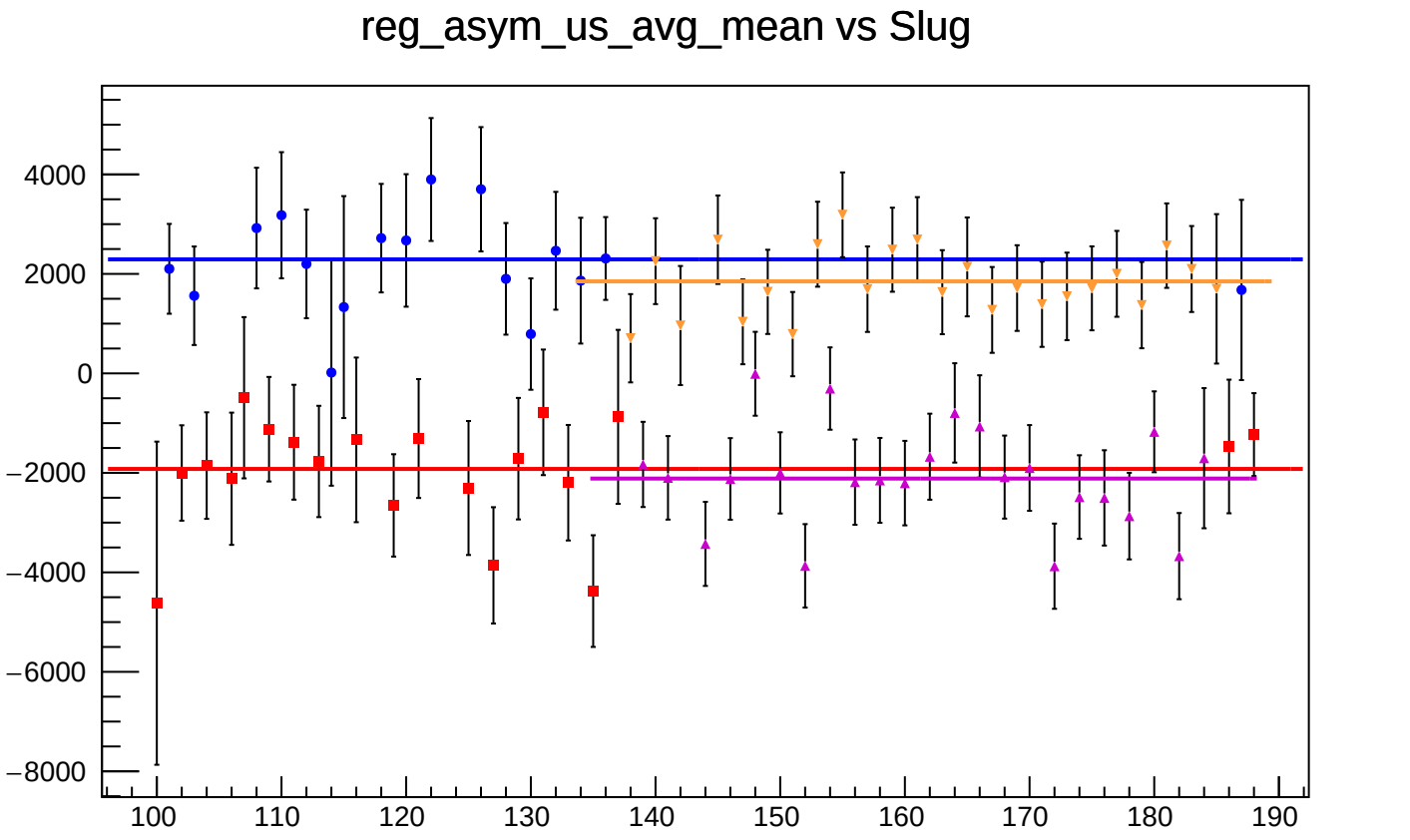


Right In: 2292.339+/-286.769 χ^2/NDF: 7.9/16

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: -1921.048+/-268.201 χ^2/NDF: 12.9/19

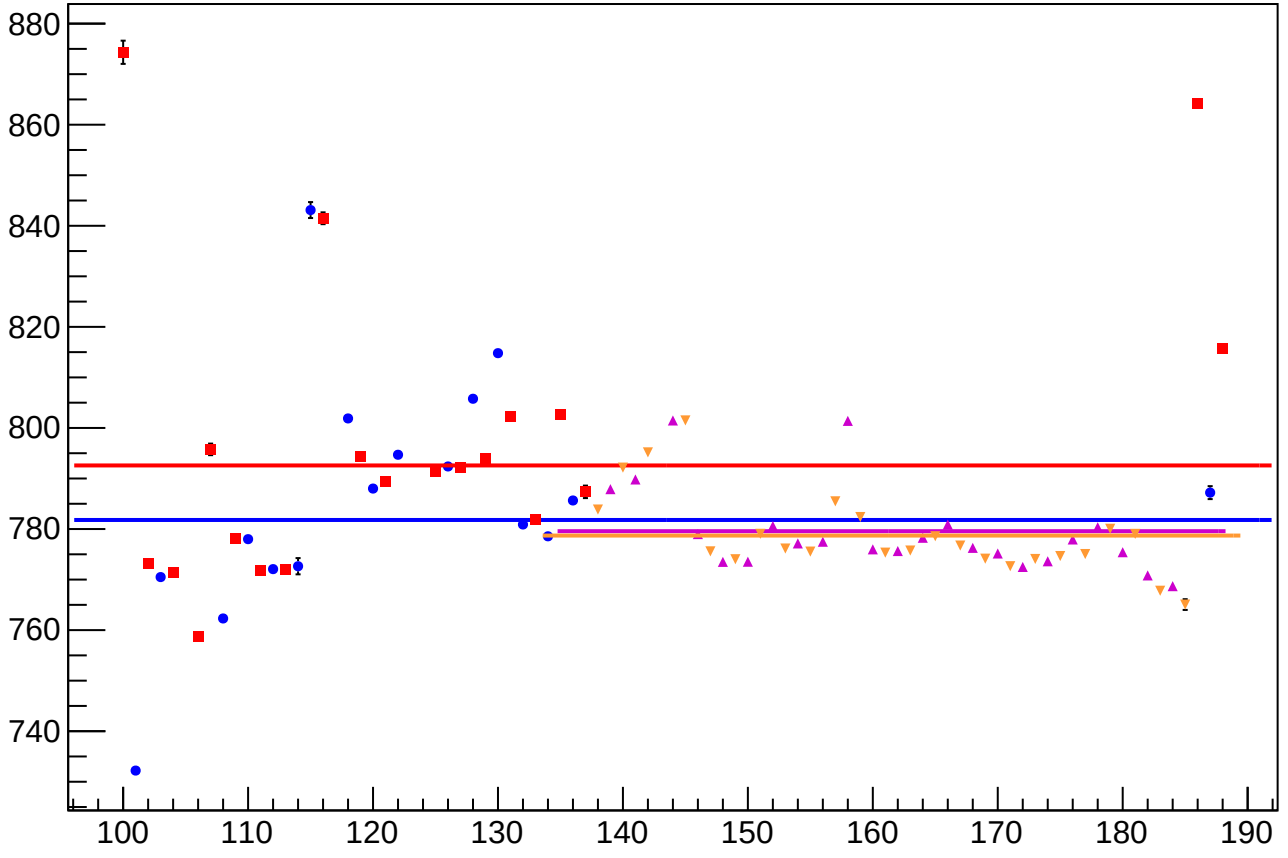
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1975.464+/-152.904 χ^2/NDF: 22.5/40

All: -69.381+/-107.301 χ^2/NDF: 419.2/83

- sign -2053.452+/-150.615 χ^2/NDF: 44.3/42

reg_asym_us_avg_rms vs Slug



Right In: 781.793+/-0.203 χ^2/NDF: 12337.3/16

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 792.582+/-0.190 χ^2/NDF: 15339.7/19

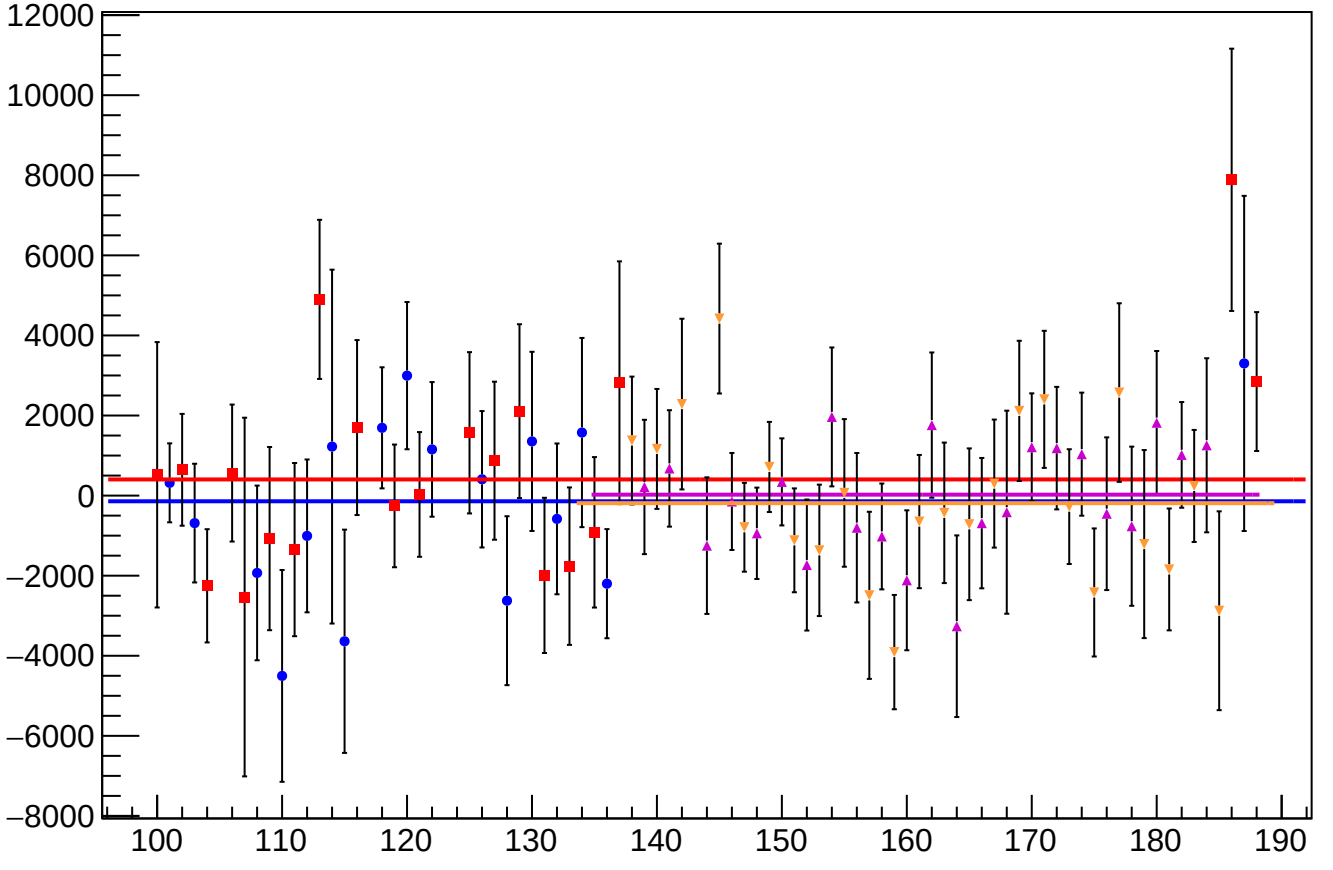
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.585+/-0.108 χ^2/NDF: 15892.7/40

All: 781.662+/-0.076 χ^2/NDF: 39352.6/83

- sign 783.677+/-0.107 χ^2/NDF: 22733.1/42

asym_us_avg_reg_correction_mean vs Slug



Right In: -141.744+/-438.347 χ^2/NDF: 16.1/16

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: 403.685+/-436.020 χ^2/NDF: 22.9/19

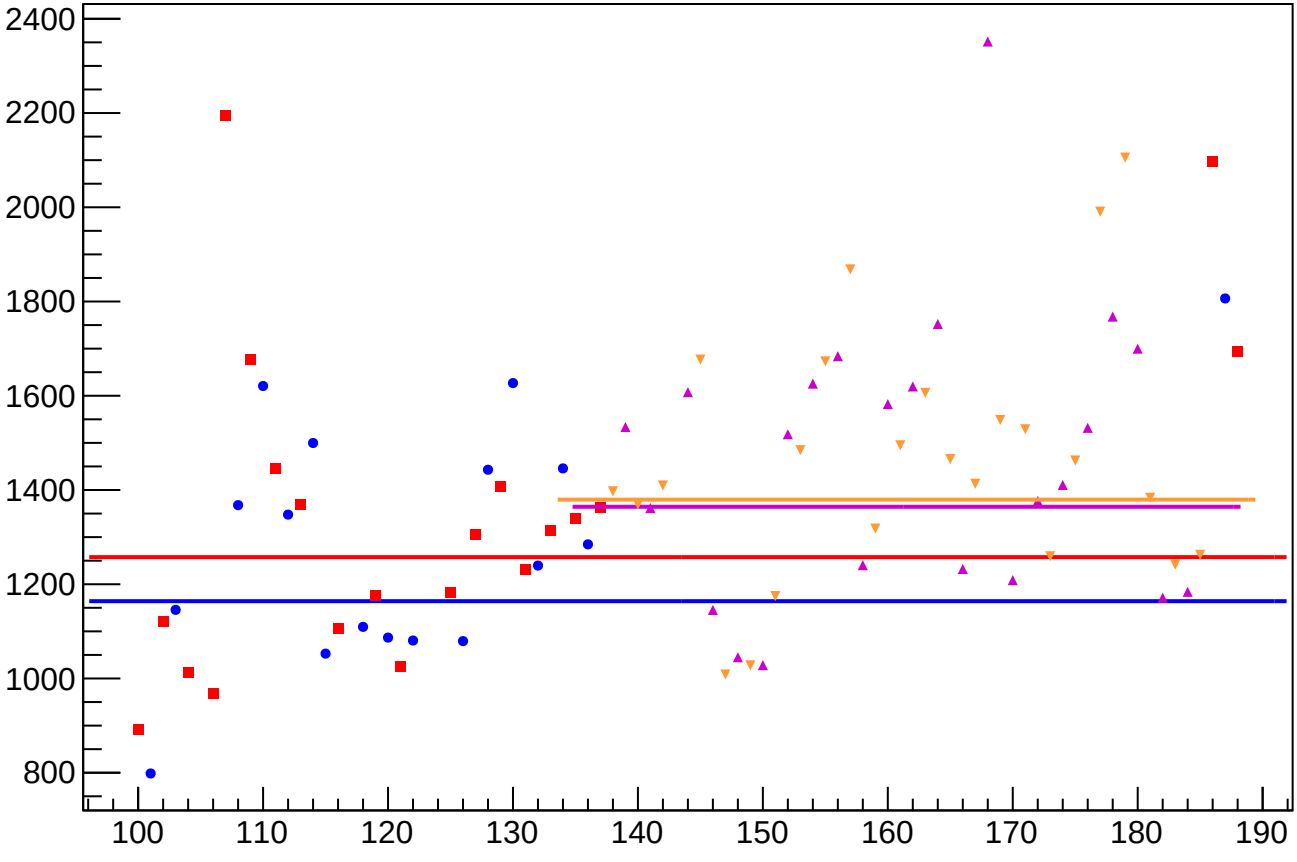
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -172.063+/-262.451 χ^2/NDF: 45.7/40

All: -5.167+/-185.063 χ^2/NDF: 83.3/83

\- sign 159.881+/-260.993 χ^2/NDF: 36.8/42

asym_us_avg_reg_correction_rms vs Slug



Right In: 1164.073+/-0.310 χ^2/NDF: 616762.4/16

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

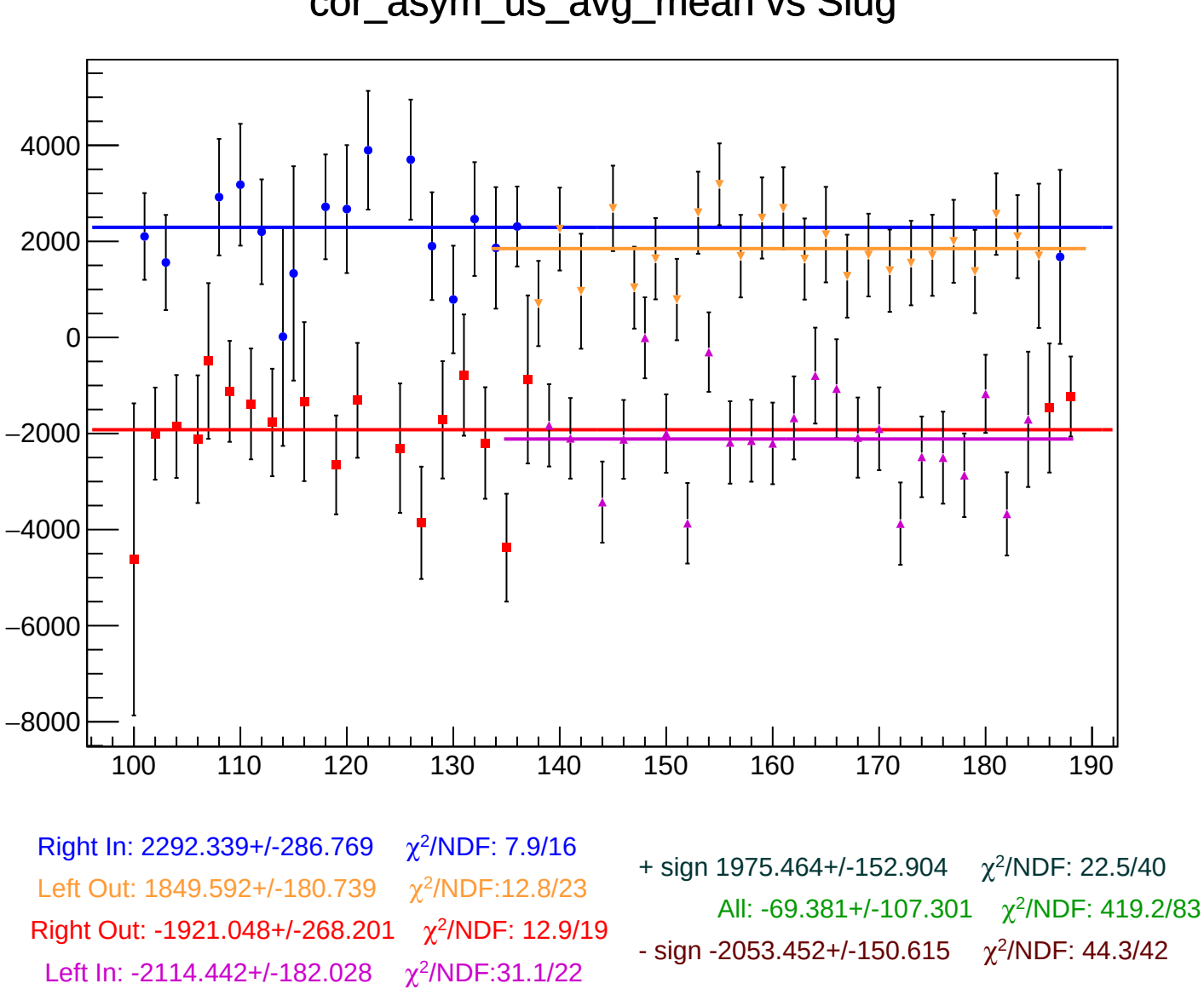
Right Out: 1257.531+/-0.308 χ^2/NDF: 677141.8/19

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

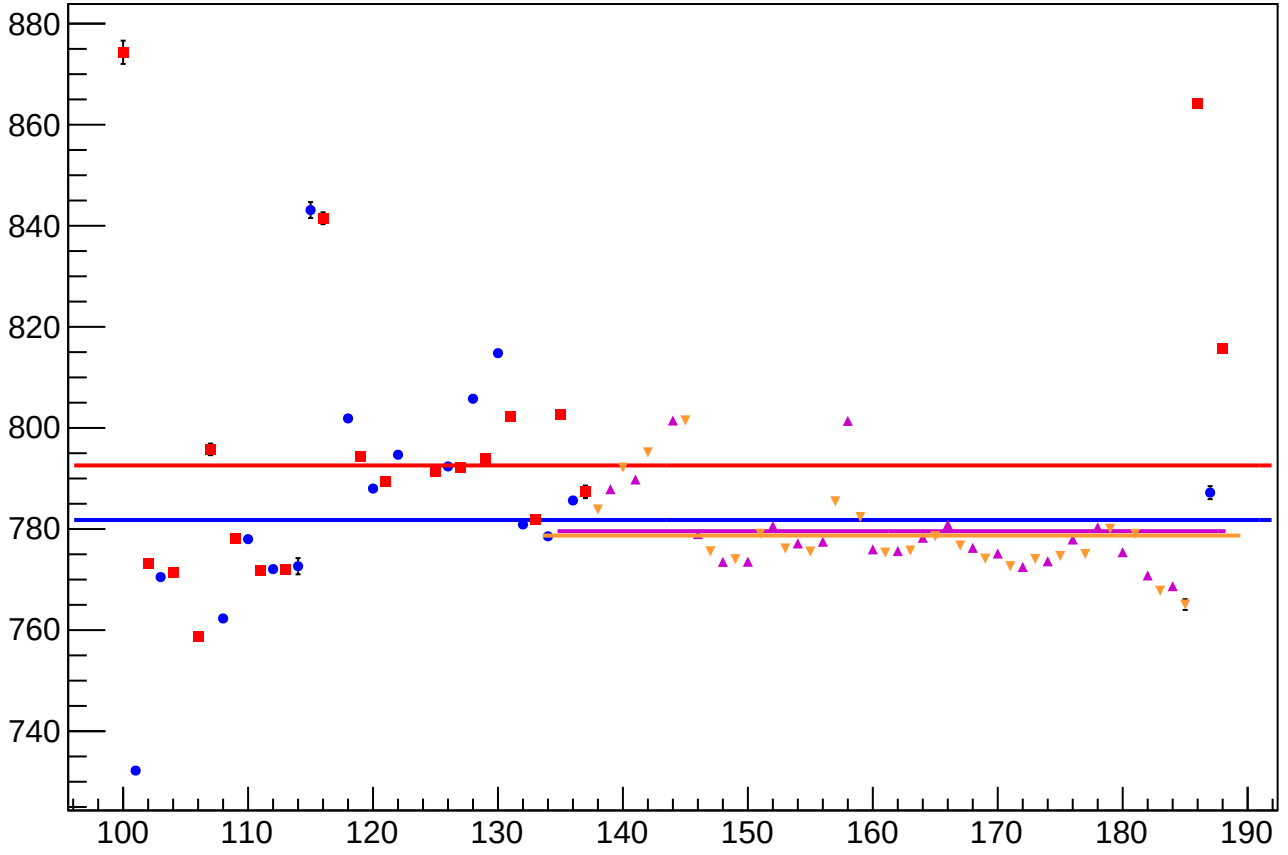
\+ sign 1302.298+/-0.186 χ^2/NDF: 2085222.0/40

All: 1314.273+/-0.131 χ^2/NDF: 4160063.2/83

\- sign 1326.116+/-0.185 χ^2/NDF: 2066558.9/42


cor_asym_us_avg_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: 2292.339+/-286.769 χ²/NDF: 7.9/16
Left Out: 1849.592+/-180.739 χ²/NDF:12.8/23
Right Out: -1921.048+/-268.201 χ²/NDF: 12.9/19
Left In: -2114.442+/-182.028 χ²/NDF:31.1/22
+ sign 1975.464+/-152.904 χ²/NDF: 22.5/40
All: -69.381+/-107.301 χ²/NDF: 419.2/83
- sign -2053.452+/-150.615 χ²/NDF: 44.3/42

cor_asym_us_avg_rms vs Slug



Right In: 781.793+/-0.203 χ^2/NDF: 12337.3/16

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 792.582+/-0.190 χ^2/NDF: 15339.7/19

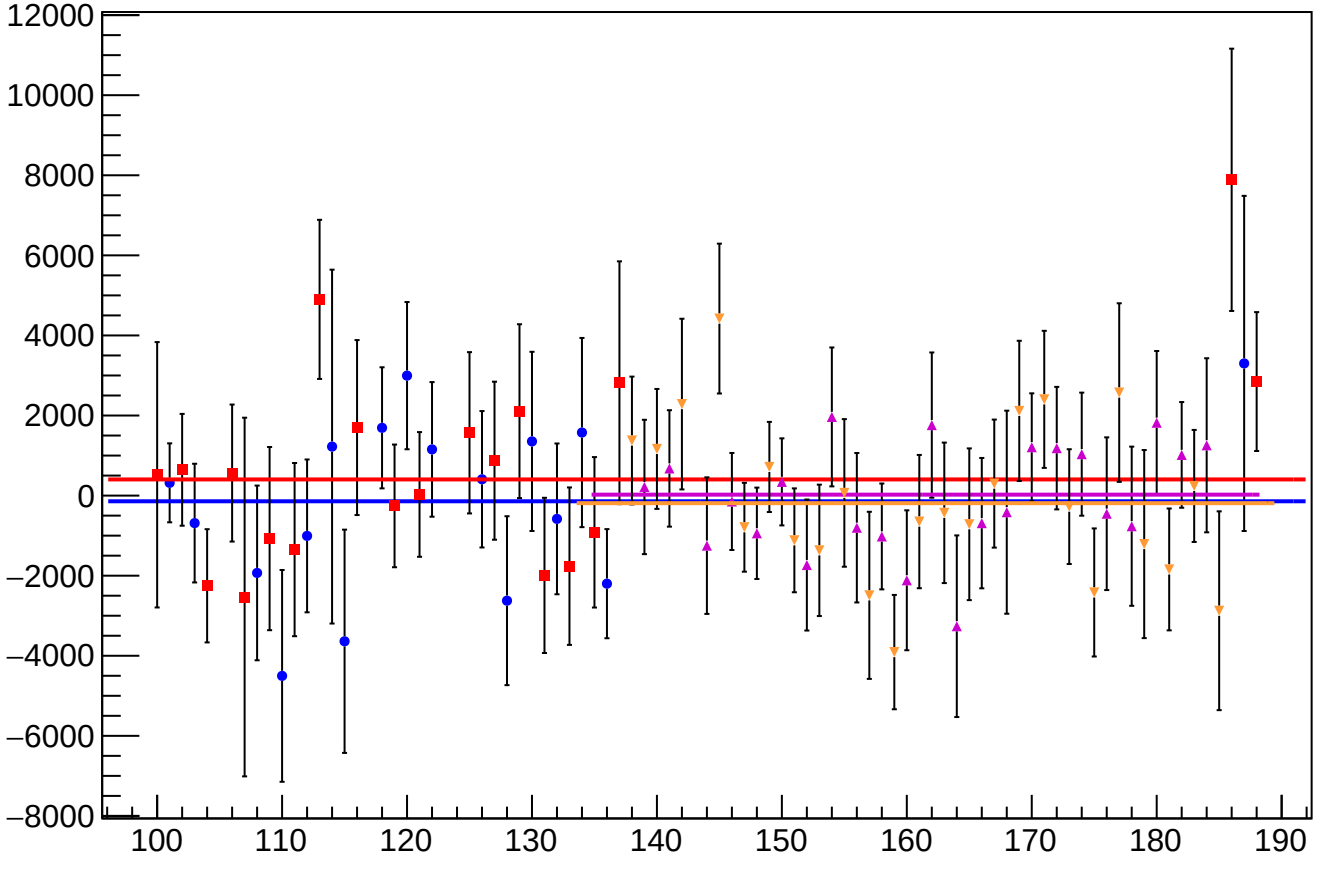
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.585+/-0.108 χ^2/NDF: 15892.7/40

All: 781.662+/-0.076 χ^2/NDF: 39352.6/83

- sign 783.677+/-0.107 χ^2/NDF: 22733.1/42

asym_us_avg_cor_correction_mean vs Slug



Right In: -141.744+/-438.347 χ^2/NDF: 16.1/16

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: 403.685+/-436.020 χ^2/NDF: 22.9/19

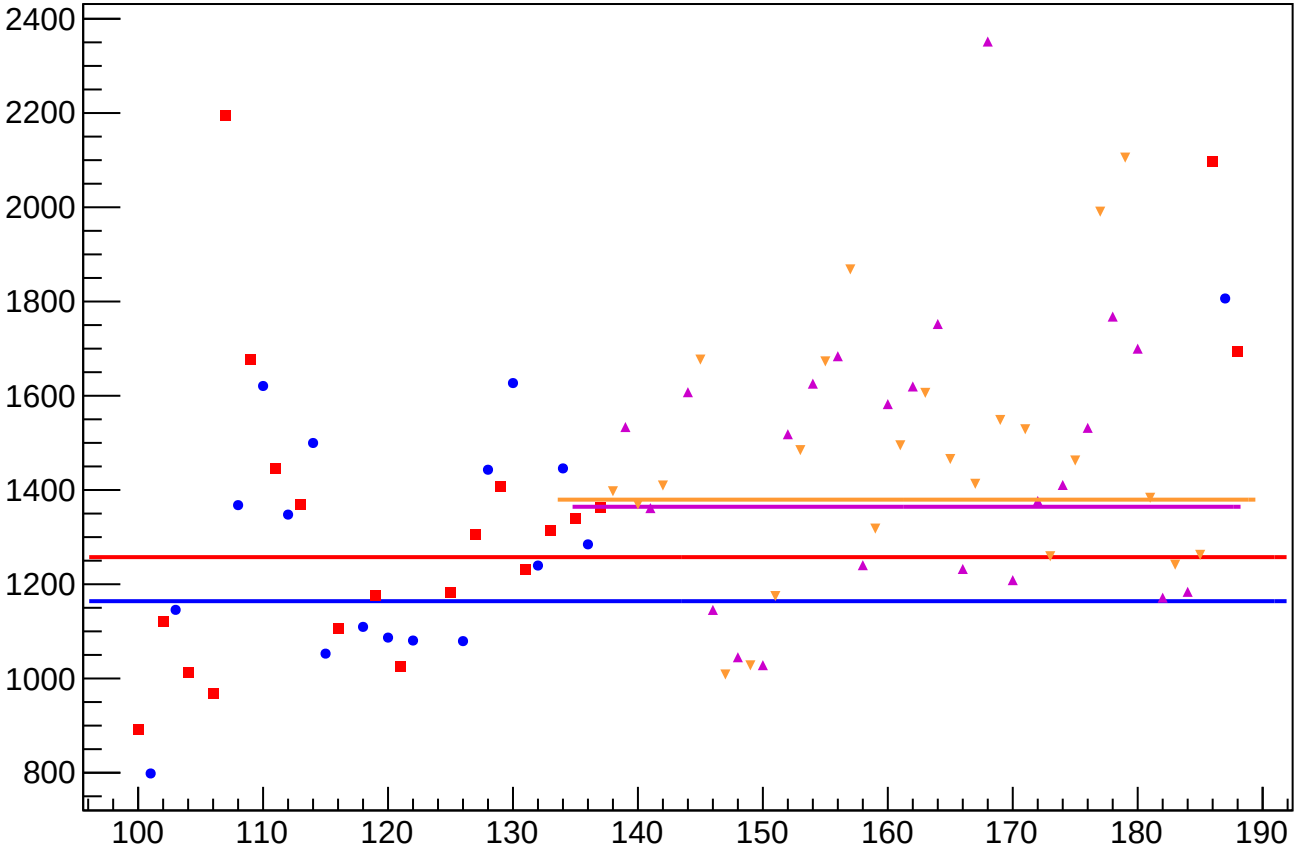
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -172.063+/-262.451 χ^2/NDF: 45.7/40

All: -5.167+/-185.063 χ^2/NDF: 83.3/83

\- sign 159.881+/-260.993 χ^2/NDF: 36.8/42

asym_us_avg_cor_correction_rms vs Slug



Right In: 1164.073+/-0.310 χ^2/NDF: 616762.4/16

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

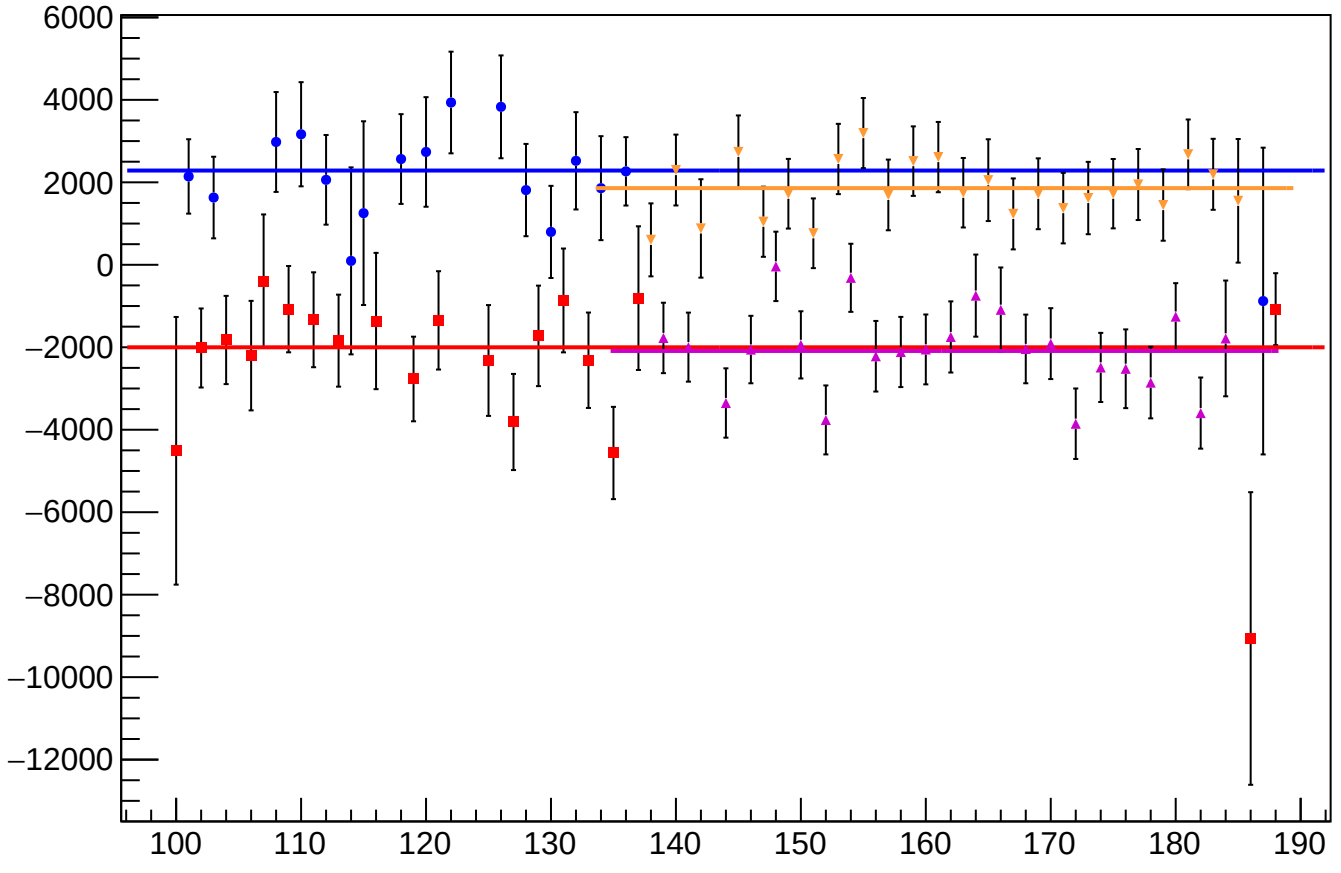
Right Out: 1257.531+/-0.308 χ^2/NDF: 677141.8/19

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

\+ sign 1302.298+/-0.186 χ^2/NDF: 2085222.0/40

All: 1314.273+/-0.131 χ^2/NDF: 4160063.2/83

\- sign 1326.116+/-0.185 χ^2/NDF: 2066558.9/42



Right In: 2285.655+/-288.829 χ^2/NDF: 8.8/16

Left Out: 1859.528+/-180.231 χ^2/NDF:13.5/23

Right Out: -2001.009+/-273.599 χ^2/NDF: 18.0/19

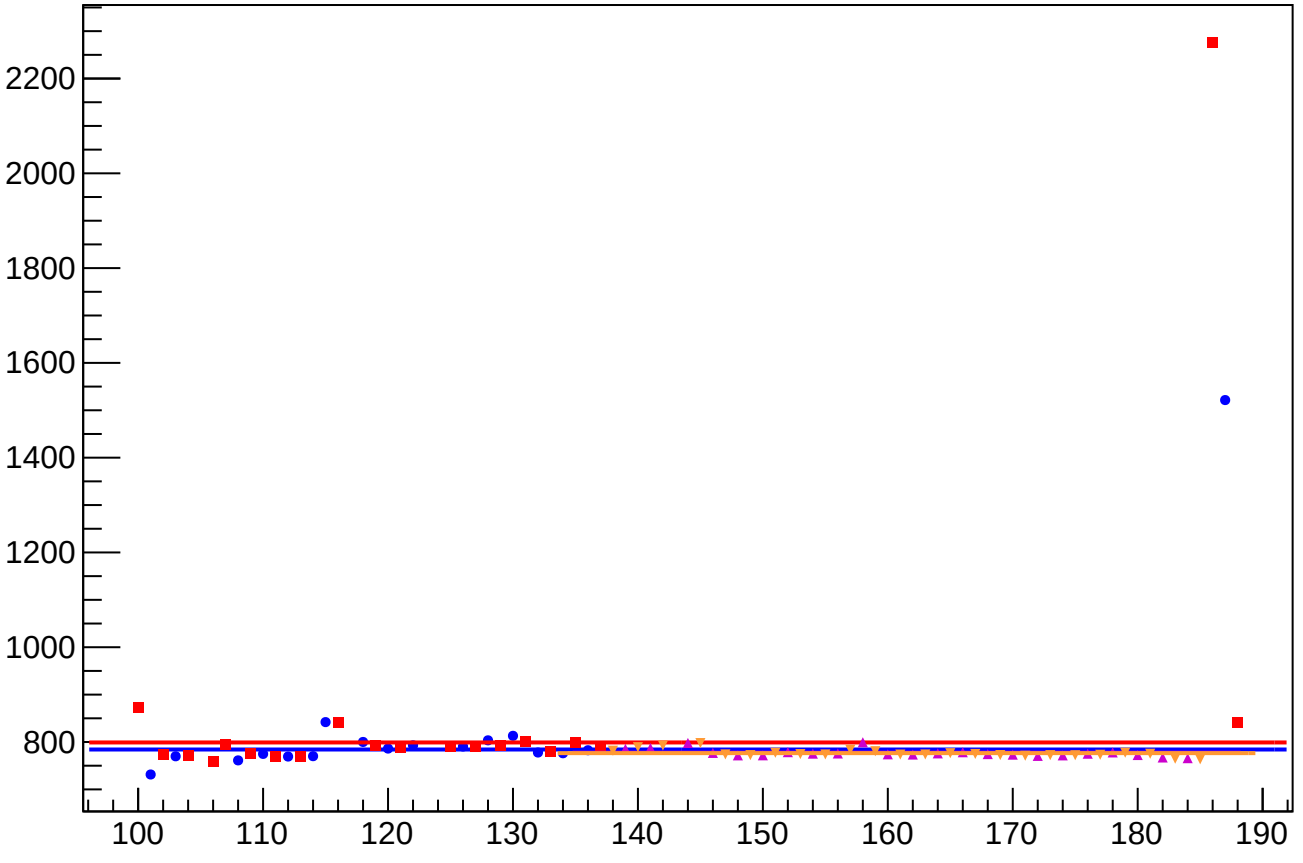
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 1978.953+/-152.904 χ^2/NDF: 23.9/40

All: -63.595+/-107.533 χ^2/NDF: 424.7/83

- sign -2062.448+/-151.259 χ^2/NDF: 47.7/42

overload_cor_asym_us_avg_rms vs Slug



Right In: 784.175+/-0.204 χ^2/NDF: 91131.6/16

Left Out: 776.523+/-0.127 χ^2/NDF:3137.1/23

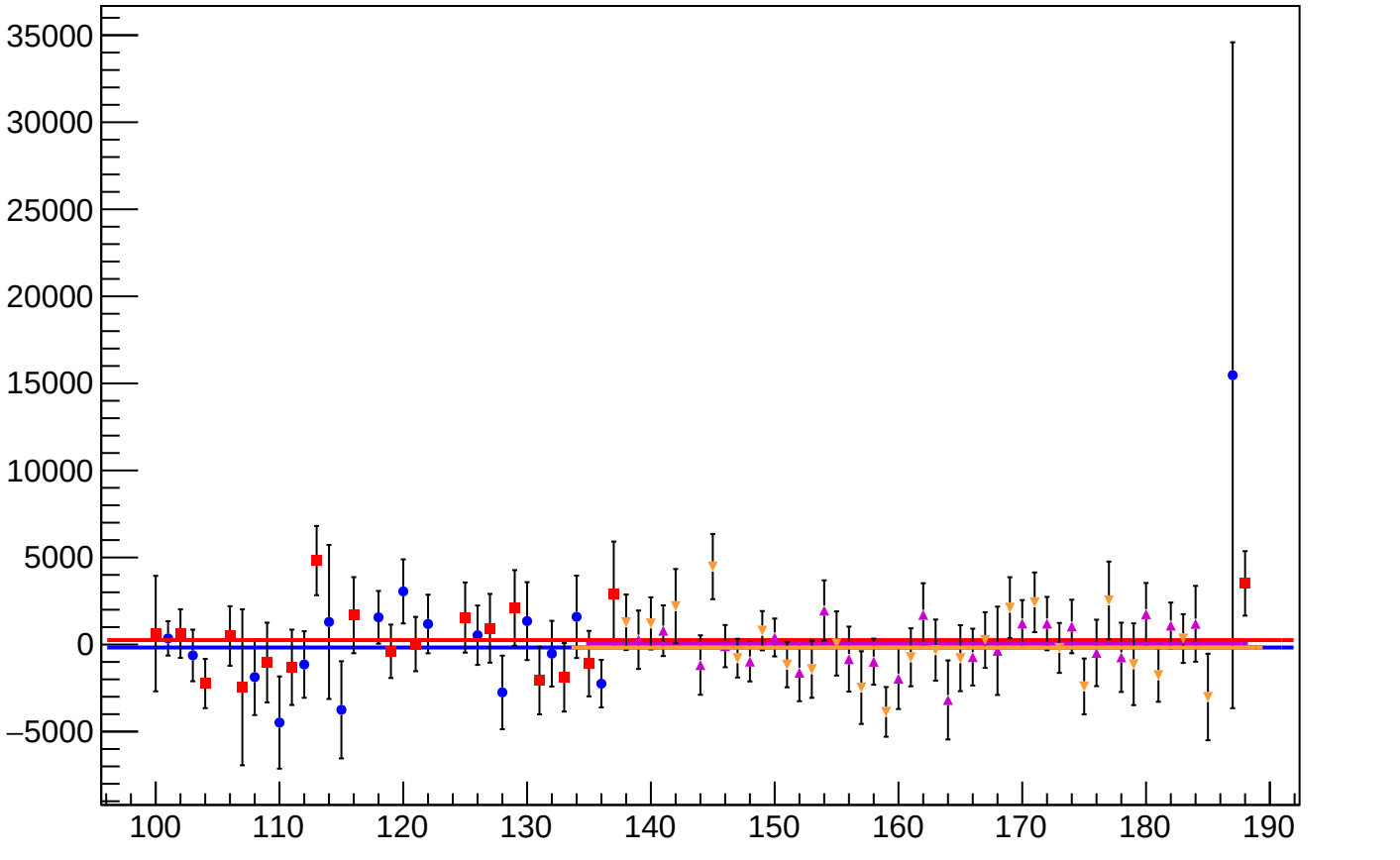
Right Out: 799.056+/-0.193 χ^2/NDF: 363311.5/19

Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 778.667+/-0.108 χ^2/NDF: 95279.1/40

All: 781.377+/-0.076 χ^2/NDF: 472585.1/83

- sign 784.028+/-0.107 χ^2/NDF: 376063.7/42



Right In: -170.133+/-441.100 χ^2/NDF: 16.4/16

Left Out: -174.932+/-327.991 χ^2/NDF:29.6/23

Right Out: 254.747+/-442.063 χ^2/NDF: 18.5/18

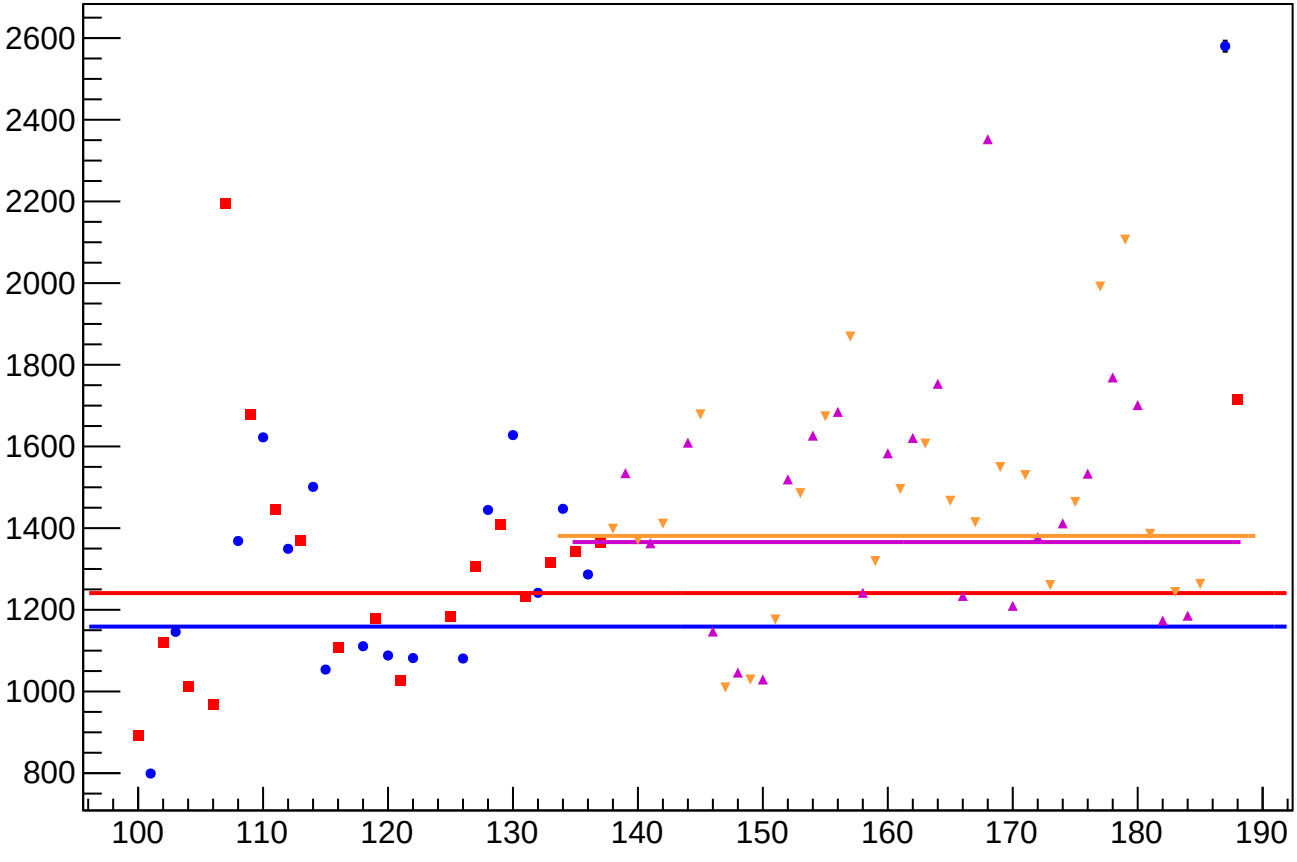
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -173.223+/-263.202 χ^2/NDF: 46.0/40

All: -24.186+/-185.841 χ^2/NDF: 78.3/82

- sign 123.987+/-262.437 χ^2/NDF: 31.6/41

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1158.890+/-0.312 χ^2/NDF: 580195.8/16

Left Out: 1380.952+/-0.232 χ^2/NDF:1155437.6/23

Right Out: 1240.934+/-0.313 χ^2/NDF: 536428.0/18

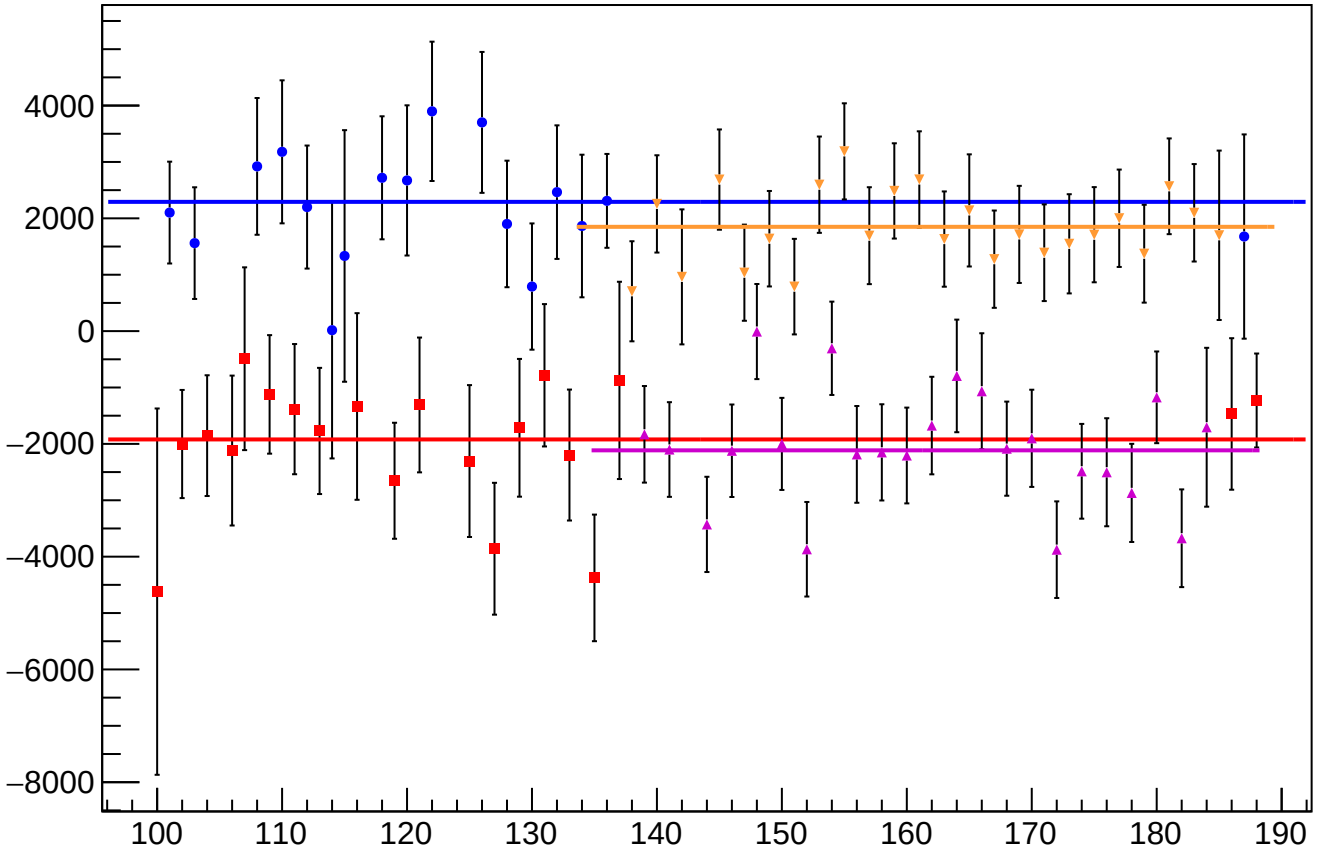
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1301.888+/-0.186 χ^2/NDF: 2062040.8/40

All: 1311.873+/-0.131 χ^2/NDF: 4016421.9/82

- sign 1321.800+/-0.186 χ^2/NDF: 1948641.2/41

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2292.339+/-286.769 χ^2/NDF: 7.9/16

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: -1921.048+/-268.201 χ^2/NDF: 12.9/19

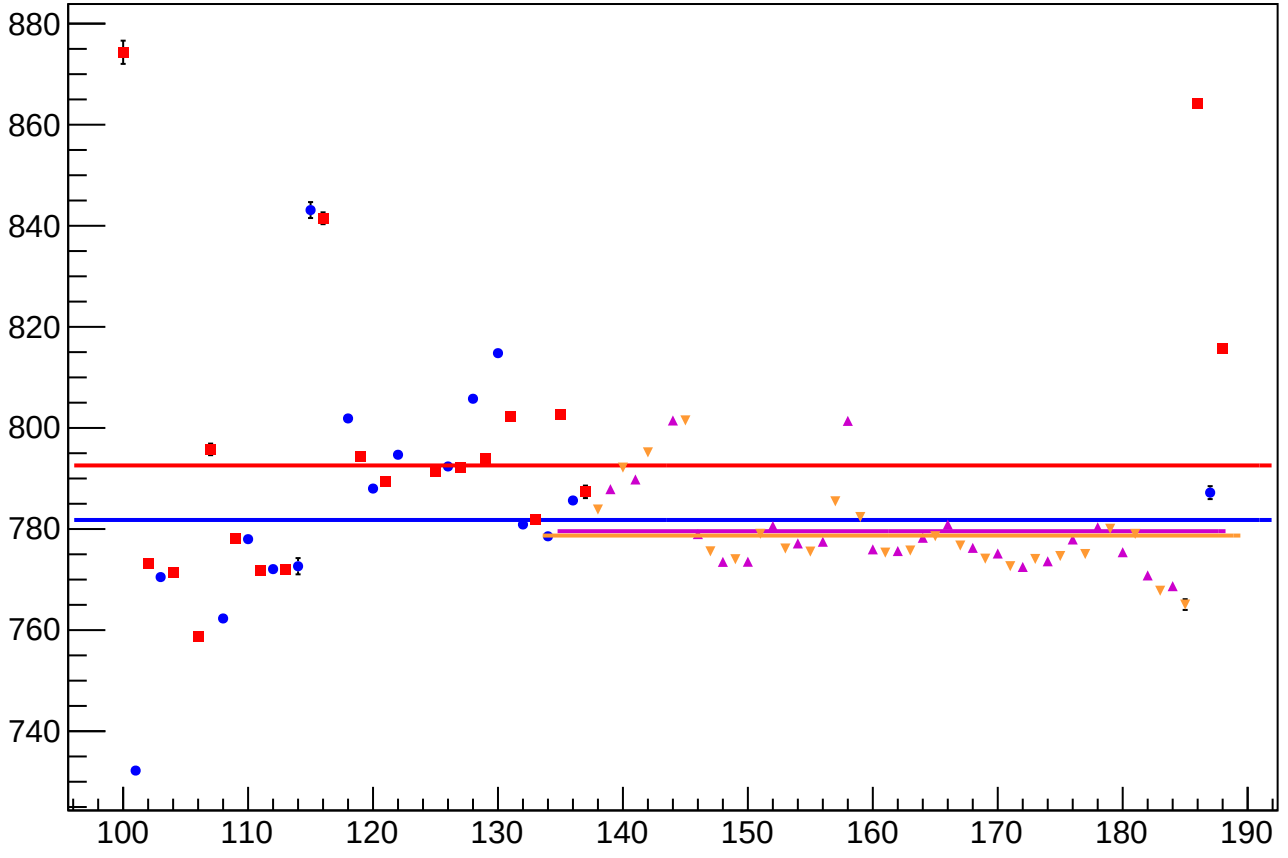
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1975.464+/-152.904 χ^2/NDF: 22.5/40

All: -69.381+/-107.301 χ^2/NDF: 419.2/83

- sign -2053.452+/-150.615 χ^2/NDF: 44.3/42

eigen_cor_asym_us_avg_rms vs Slug



Right In: 781.793+/-0.203 χ^2/NDF: 12337.3/16

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 792.582+/-0.190 χ^2/NDF: 15339.7/19

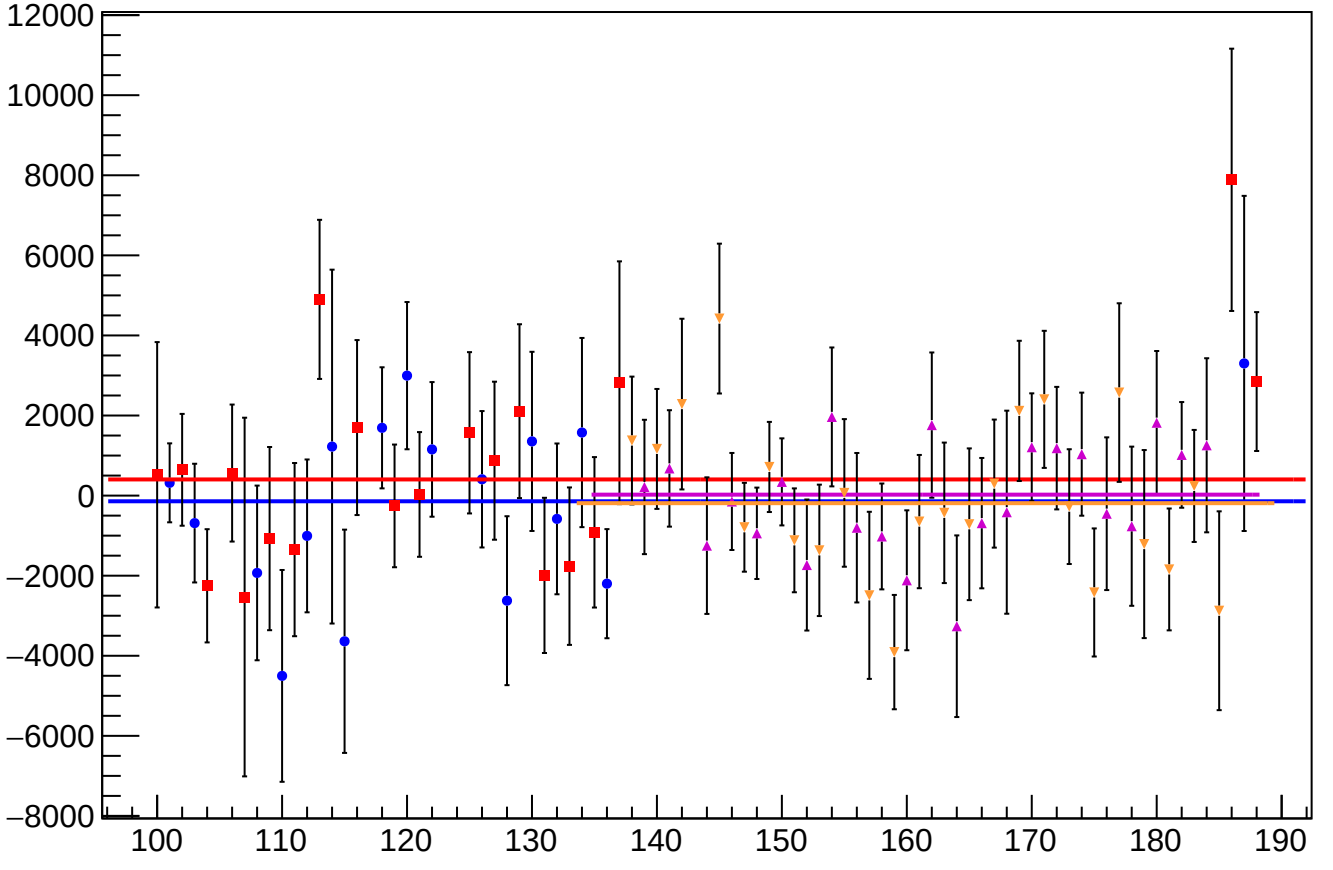
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.585+/-0.108 χ^2/NDF: 15892.7/40

All: 781.662+/-0.076 χ^2/NDF: 39352.6/83

- sign 783.677+/-0.107 χ^2/NDF: 22733.1/42

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: -141.744+/-438.347 χ^2/NDF: 16.1/16

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

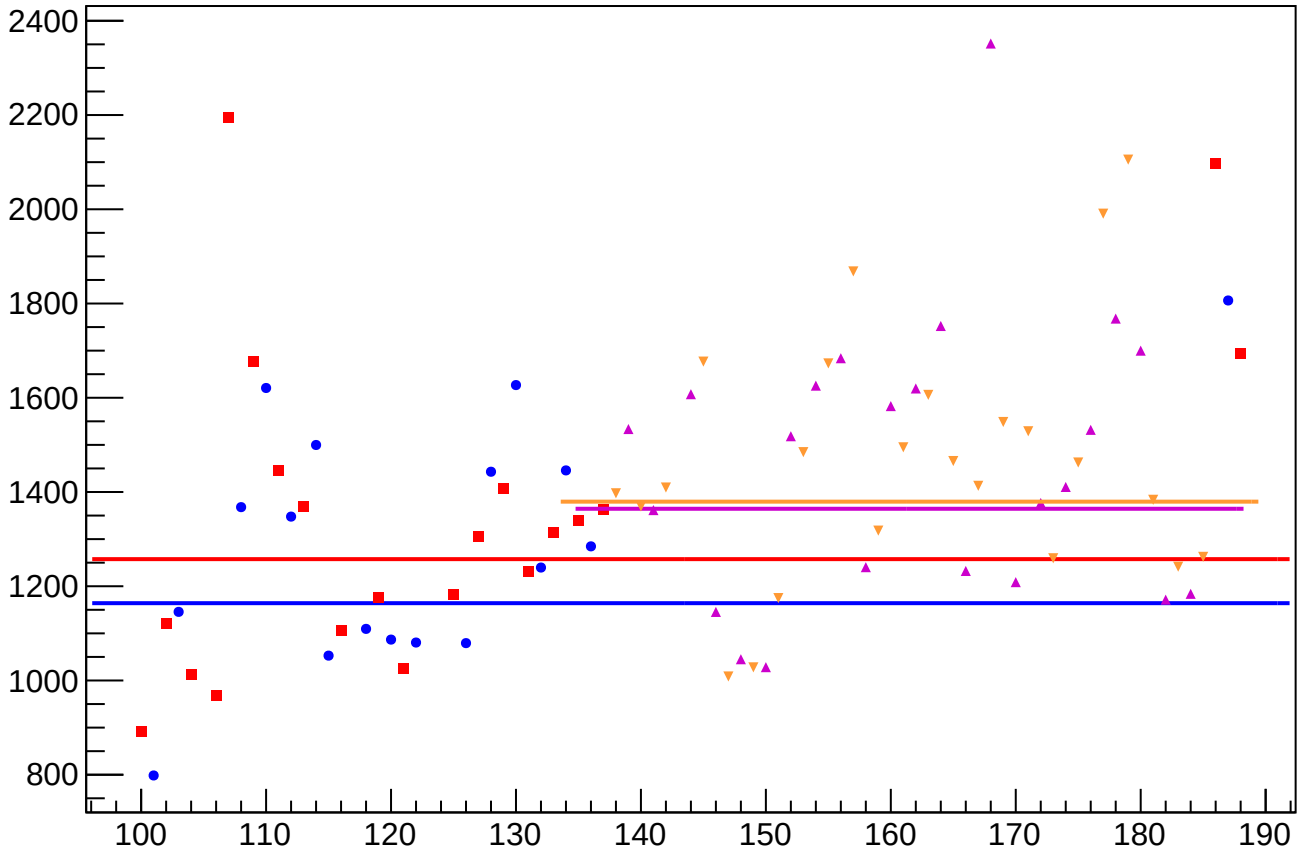
Right Out: 403.685+/-436.020 χ^2/NDF: 22.9/19

Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -172.063+/-262.451 χ^2/NDF: 45.7/40

All: -5.167+/-185.063 χ^2/NDF: 83.3/83

\- sign 159.881+/-260.993 χ^2/NDF: 36.8/42



Right In: 1164.073+/-0.310 χ^2/NDF: 616762.4/16

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

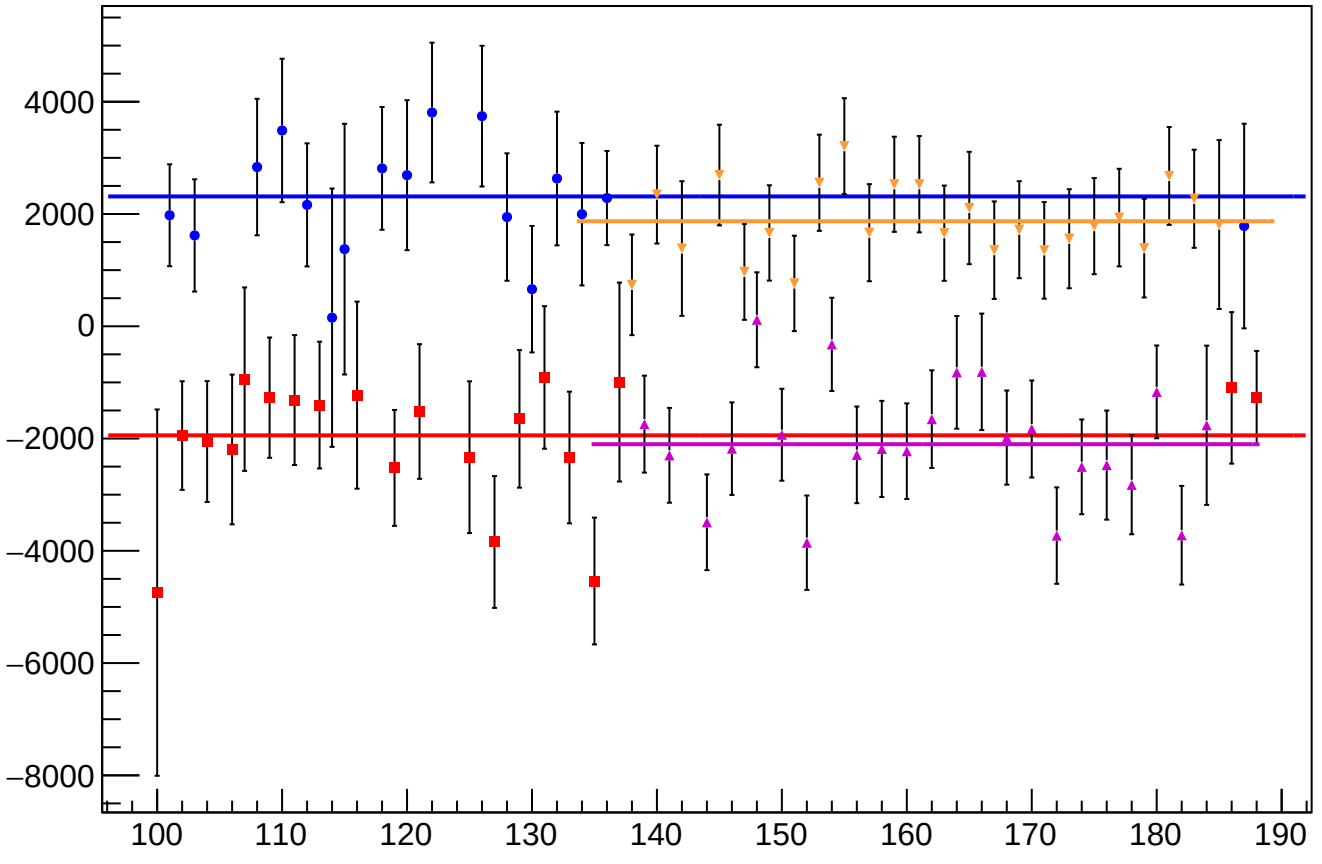
Right Out: 1257.531+/-0.308 χ^2/NDF: 677141.8/19

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

\+ sign 1302.298+/-0.186 χ^2/NDF: 2085222.0/40

All: 1314.273+/-0.131 χ^2/NDF: 4160063.2/83

\- sign 1326.116+/-0.185 χ^2/NDF: 2066558.9/42



Right In: 2312.885+/-288.492 χ^2/NDF: 8.2/16

Left Out: 1871.457+/-181.976 χ^2/NDF:12.5/23

Right Out: -1943.055+/-269.915 χ^2/NDF: 12.8/19

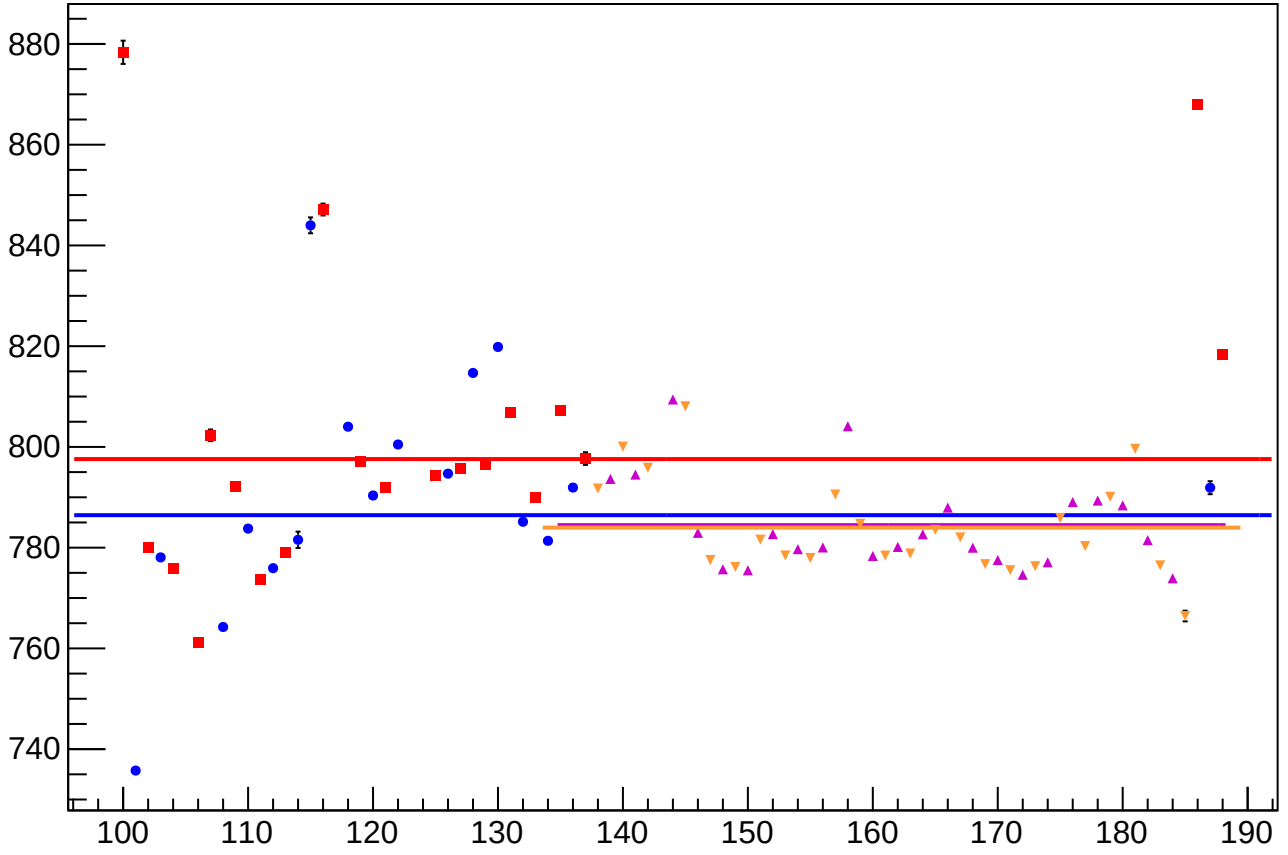
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1997.104+/-153.914 χ^2/NDF: 22.4/40

All: -58.116+/-107.996 χ^2/NDF: 418.4/83

- sign -2051.226+/-151.571 χ^2/NDF: 44.8/42

dit_asym_us_avg_rms vs Slug



Right In: 786.450+/-0.204 χ^2/NDF: 12589.5/16

Left Out: 783.982+/-0.129 χ^2/NDF:4928.0/23

Right Out: 797.586+/-0.191 χ^2/NDF: 14506.9/19

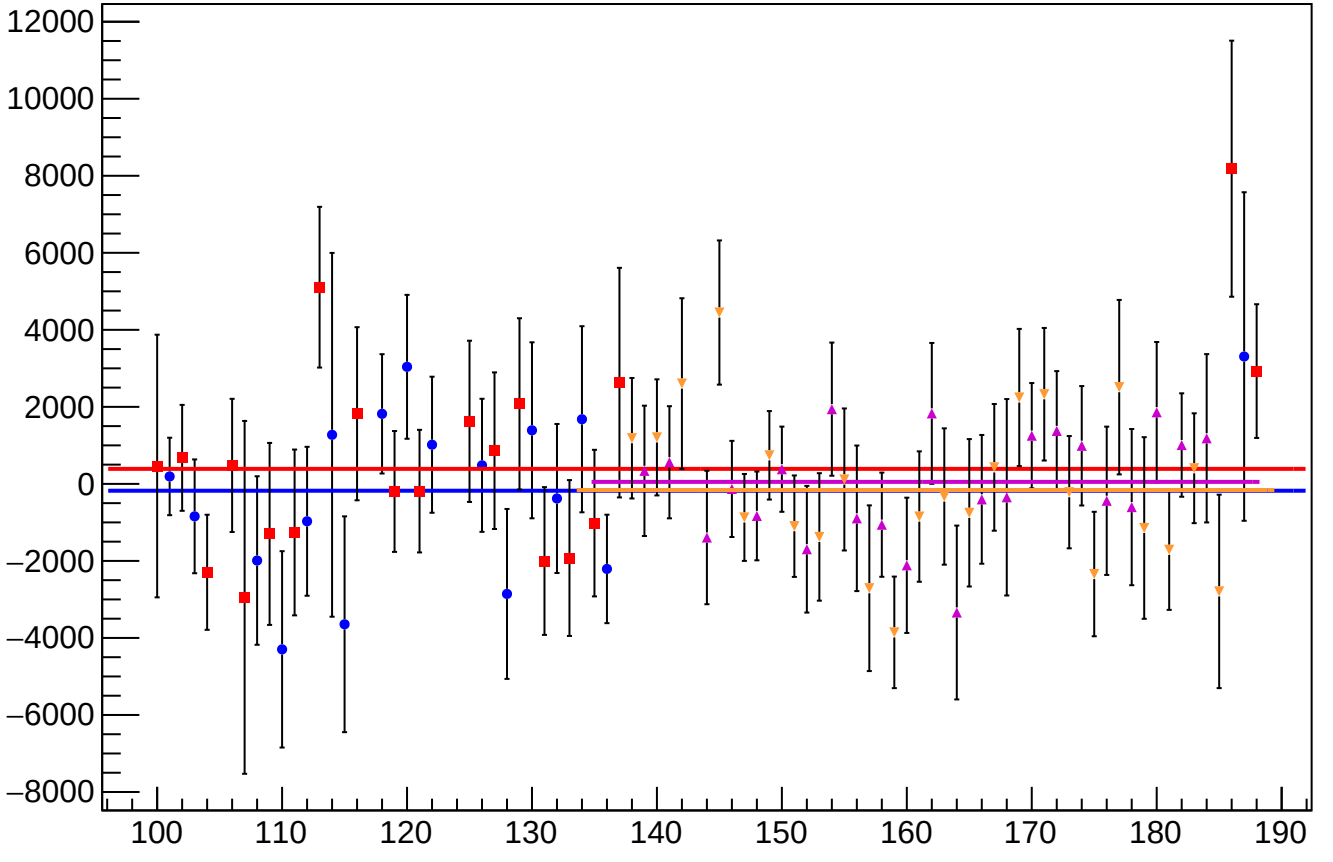
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.684+/-0.109 χ^2/NDF: 17622.2/40

All: 786.676+/-0.076 χ^2/NDF: 40949.0/83

- sign 788.608+/-0.107 χ^2/NDF: 22666.9/42

asym_us_avg_dit_correction_mean vs Slug



Right In: -177.473+/-447.061 χ^2/NDF: 16.0/16

Left Out: -159.275+/-332.190 χ^2/NDF:29.1/23

Right Out: 389.958+/-444.226 χ^2/NDF: 23.3/19

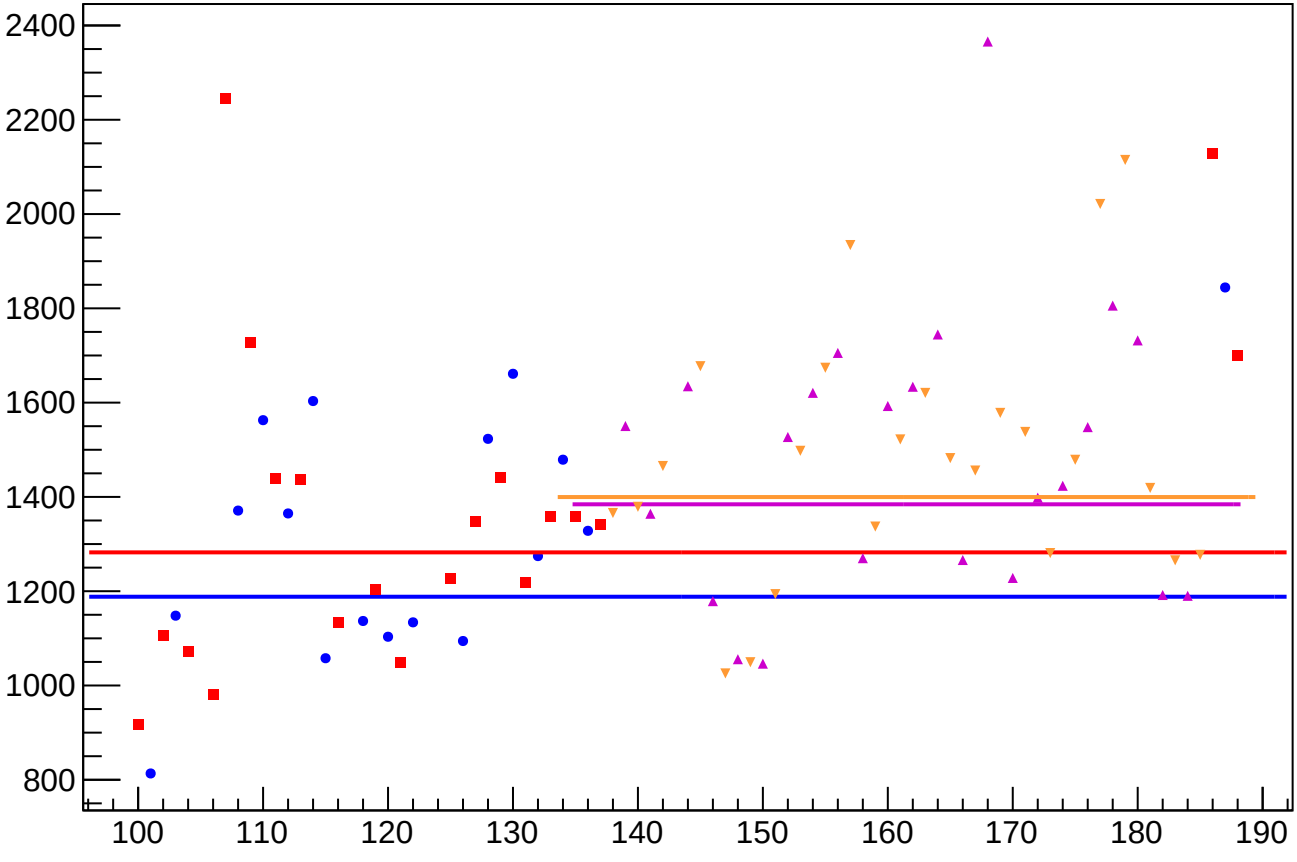
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -165.748+/-266.639 χ^2/NDF: 45.1/40

All: 4.291+/-187.964 χ^2/NDF: 82.9/83

- sign 172.261+/-265.011 χ^2/NDF: 37.1/42

asym_us_avg_dit_correction_rms vs Slug



Right In: 1188.284+/-0.316 χ^2/NDF: 618937.9/16

Left Out: 1399.717+/-0.235 χ^2/NDF:1136350.2/23

Right Out: 1282.364+/-0.314 χ^2/NDF: 661693.0/19

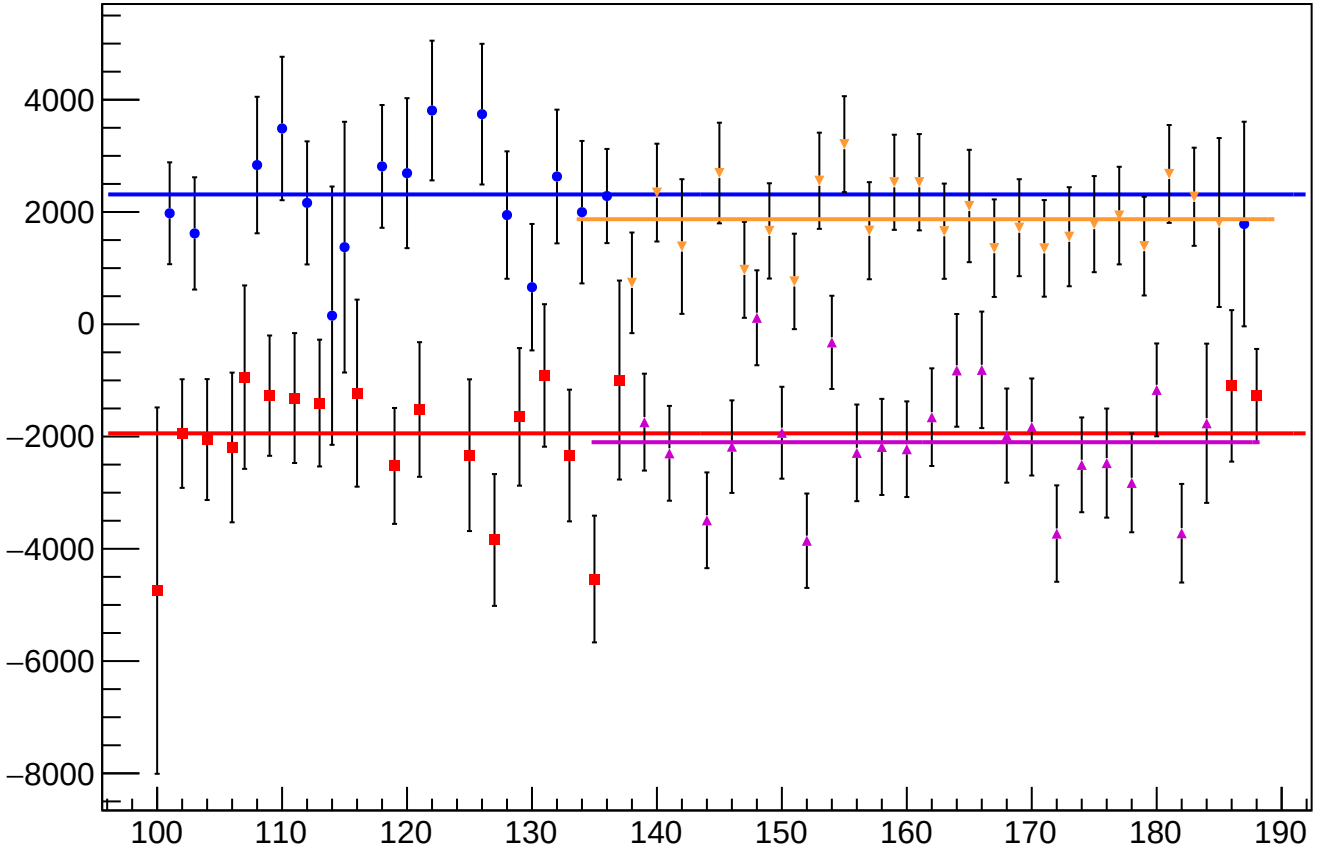
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1324.505+/-0.189 χ^2/NDF: 2043500.4/40

All: 1336.346+/-0.133 χ^2/NDF: 4050847.5/83

- sign 1348.043+/-0.187 χ^2/NDF: 1999506.7/42

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2312.885+/-288.492 χ^2/NDF: 8.2/16

Left Out: 1871.455+/-181.976 χ^2/NDF:12.5/23

Right Out: -1943.053+/-269.915 χ^2/NDF: 12.8/19

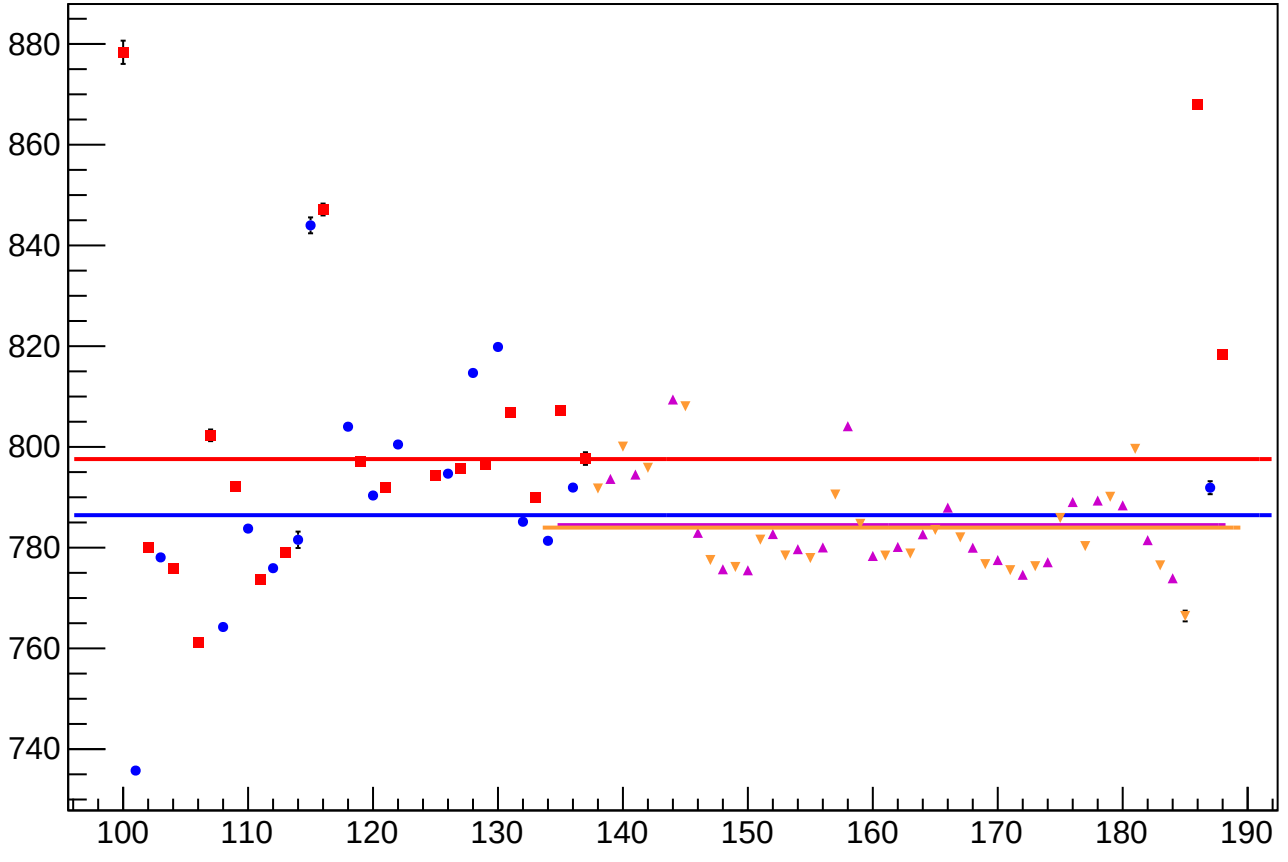
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1997.102+/-153.914 χ^2/NDF: 22.4/40

All: -58.117+/-107.996 χ^2/NDF: 418.4/83

- sign -2051.226+/-151.571 χ^2/NDF: 44.8/42

eigen_dit_asym_us_avg_rms vs Slug



Right In: 786.450+/-0.204 χ^2/NDF: 12589.4/16

Left Out: 783.982+/-0.129 χ^2/NDF:4928.0/23

Right Out: 797.586+/-0.191 χ^2/NDF: 14506.9/19

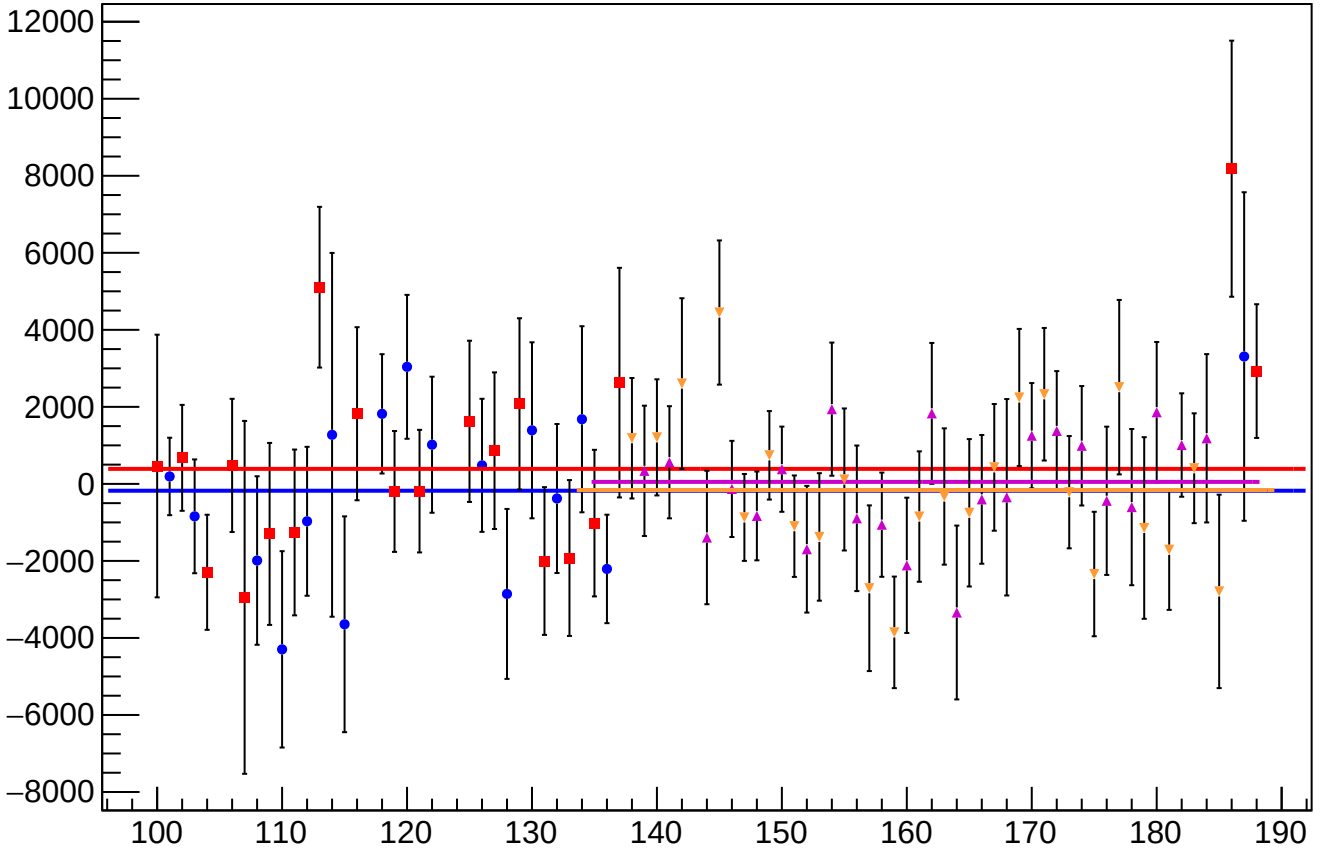
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.684+/-0.109 χ^2/NDF: 17622.1/40

All: 786.676+/-0.076 χ^2/NDF: 40948.9/83

- sign 788.608+/-0.107 χ^2/NDF: 22666.9/42

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: -177.473+/-447.060 χ^2/NDF: 16.0/16

Left Out: -159.278+/-332.191 χ^2/NDF:29.1/23

Right Out: 389.956+/-444.225 χ^2/NDF: 23.3/19

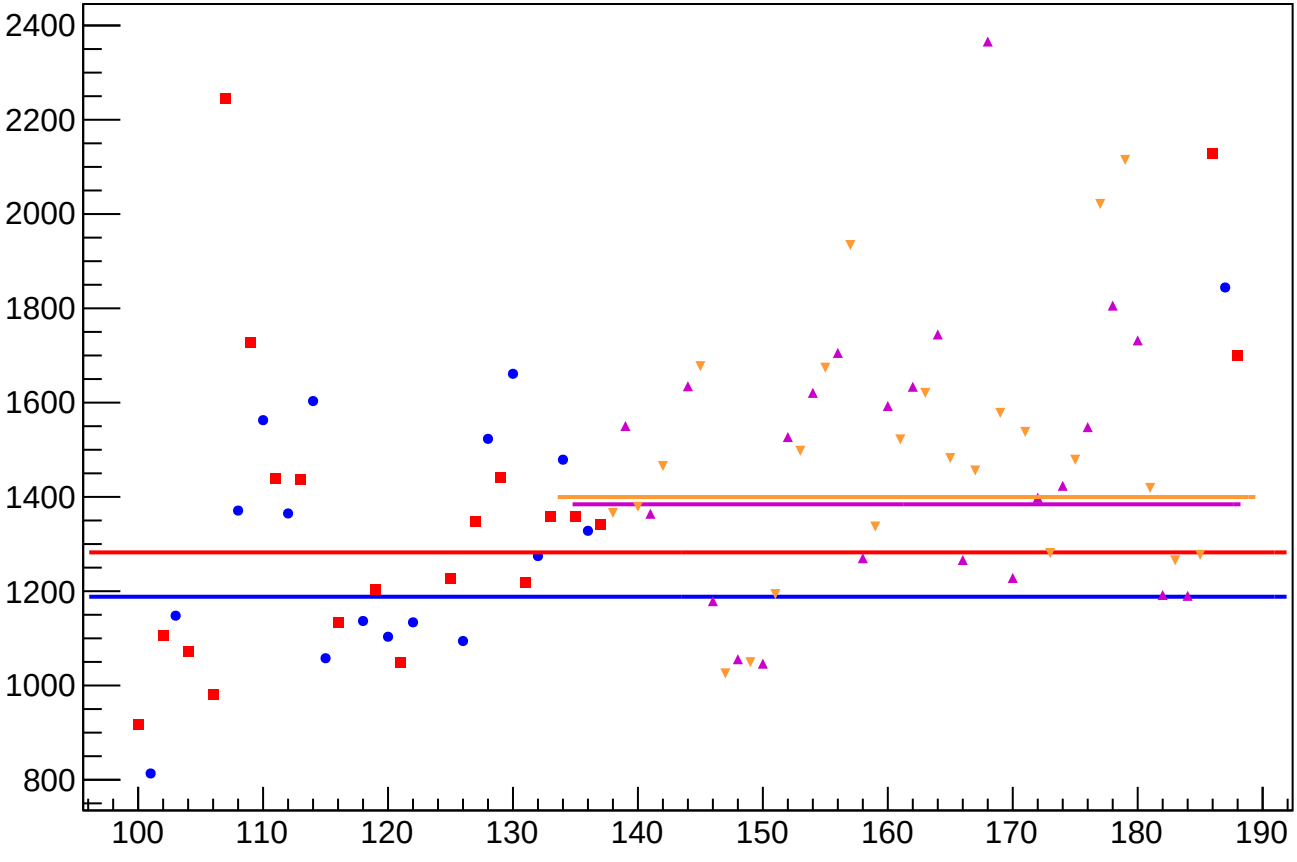
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

+ sign -165.750+/-266.639 χ^2/NDF: 45.1/40

All: 4.290+/-187.964 χ^2/NDF: 82.9/83

- sign 172.261+/-265.011 χ^2/NDF: 37.1/42

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1188.281+/-0.316 χ^2/NDF: 618936.4/16

Left Out: 1399.720+/-0.235 χ^2/NDF:1136351.3/23

Right Out: 1282.360+/-0.314 χ^2/NDF: 661695.7/19

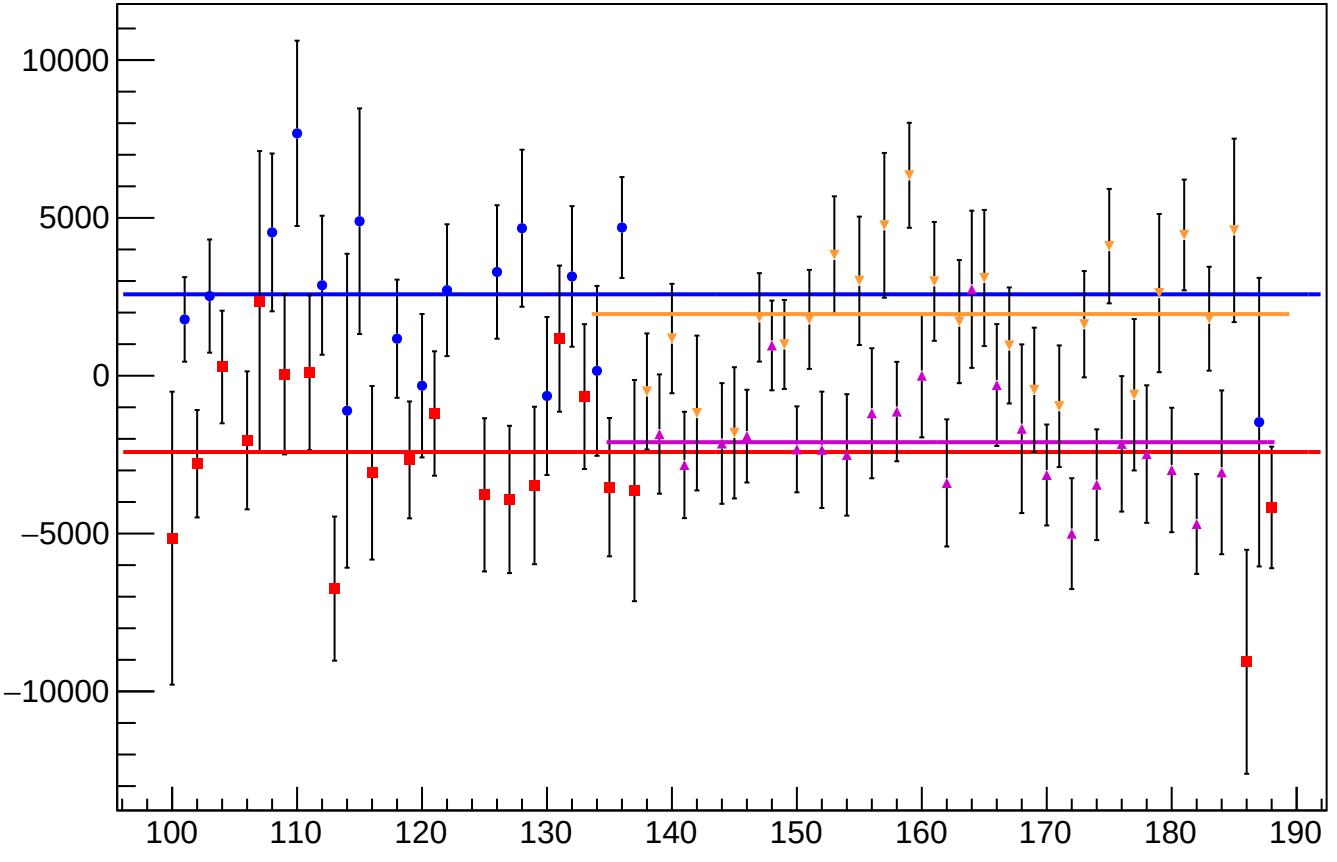
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1324.506+/-0.189 χ^2/NDF: 2043515.7/40

All: 1336.347+/-0.133 χ^2/NDF: 4050874.0/83

- sign 1348.043+/-0.187 χ^2/NDF: 1999517.8/42

asym_us_avg_mean vs Slug



Right In: 2579.295+/-534.346 χ^2/NDF: 13.1/16

Left Out: 1952.406+/-380.269 χ^2/NDF:27.4/23

Right Out: -2417.163+/-520.908 χ^2/NDF: 18.4/19

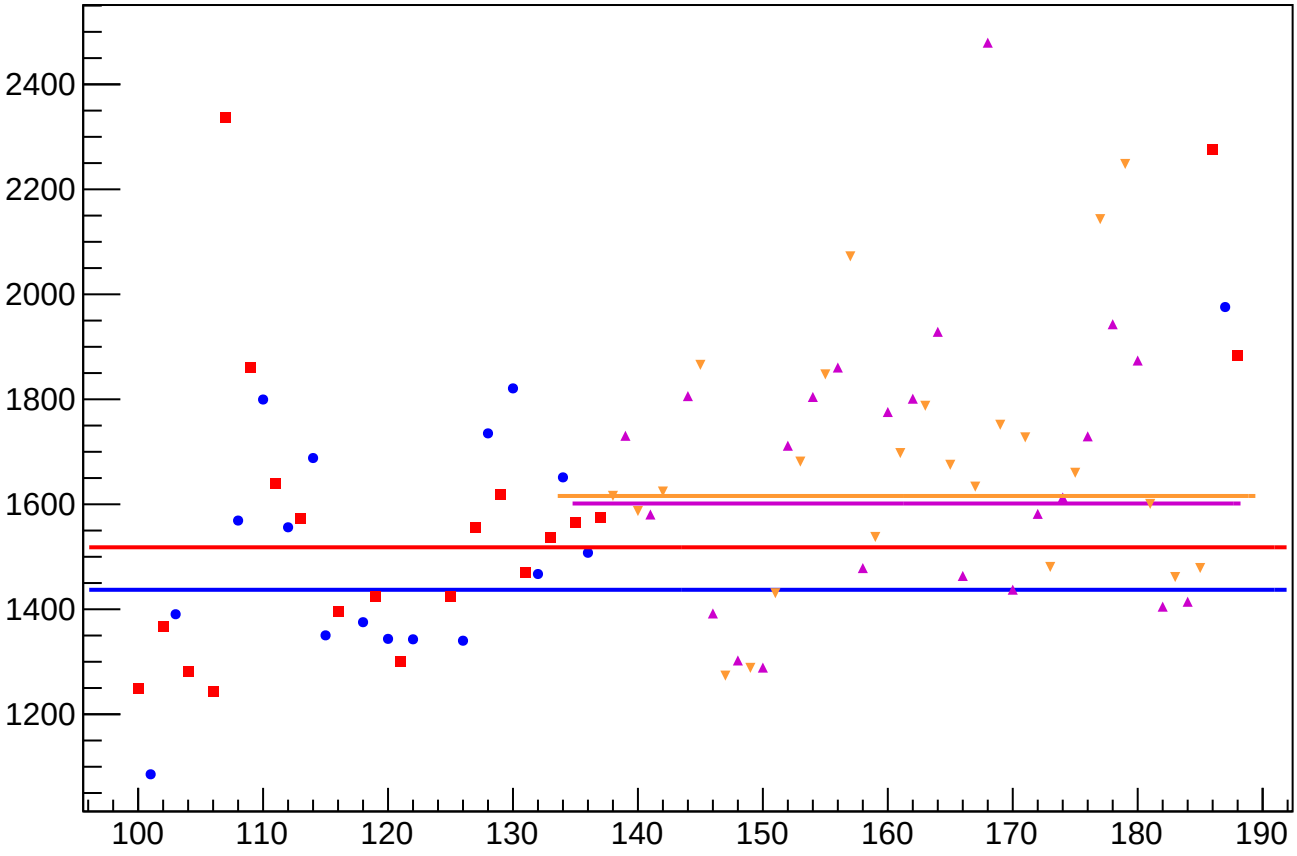
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2163.159+/-309.823 χ^2/NDF: 41.3/40

All: -48.730+/-217.891 χ^2/NDF: 179.4/83

- sign -2213.340+/-306.494 χ^2/NDF: 37.2/42

asym_us_avg_rms vs Slug



Right In: 1437.116+/-0.378 χ^2/NDF: 321544.4/16

Left Out: 1615.853+/-0.269 χ^2/NDF:694353.3/23

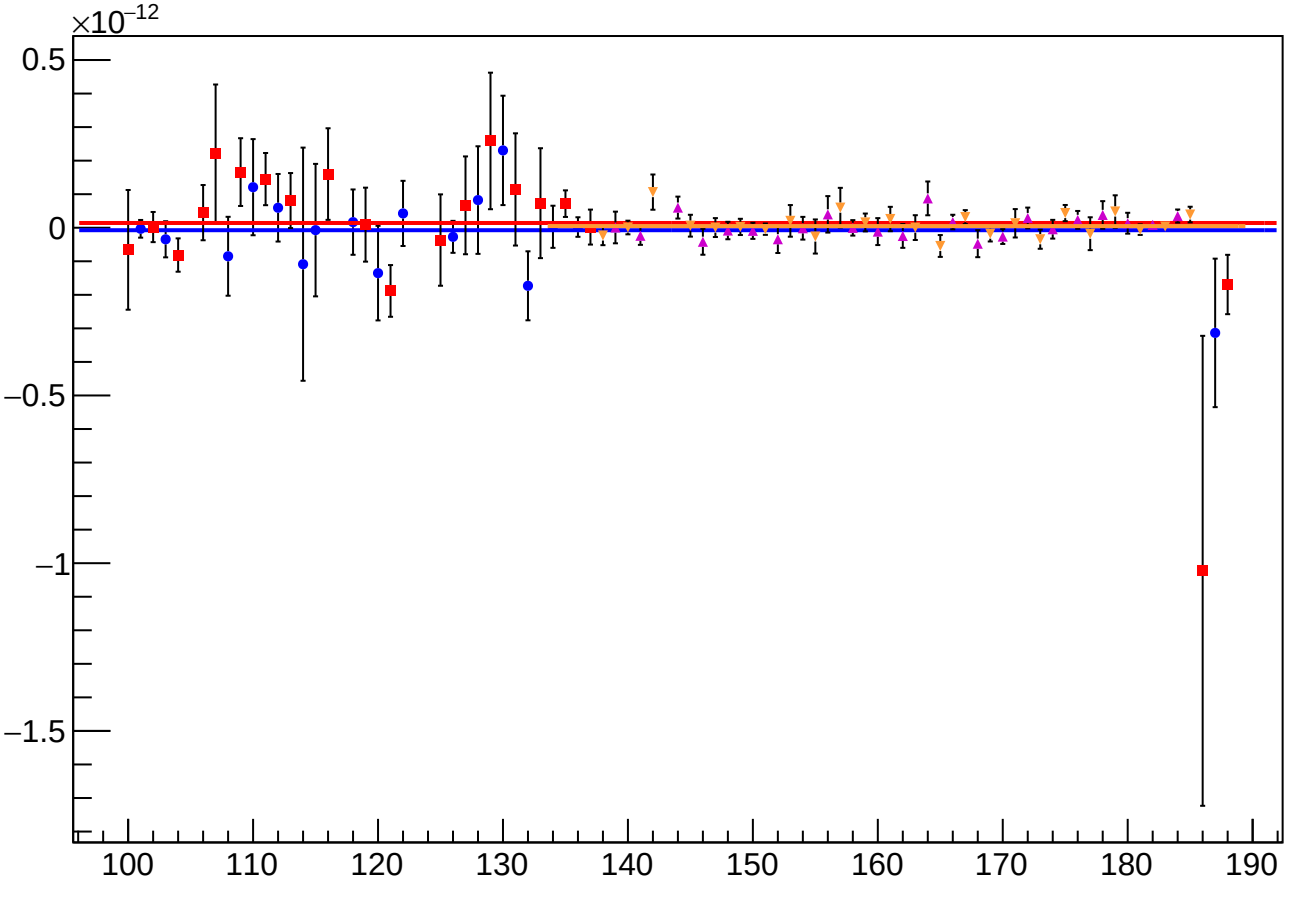
Right Out: 1518.077+/-0.368 χ^2/NDF: 395982.0/19

Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1555.764+/-0.219 χ^2/NDF: 1164444.0/40

All: 1564.282+/-0.154 χ^2/NDF: 2390673.6/83

- sign 1572.617+/-0.217 χ^2/NDF: 1223238.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/19

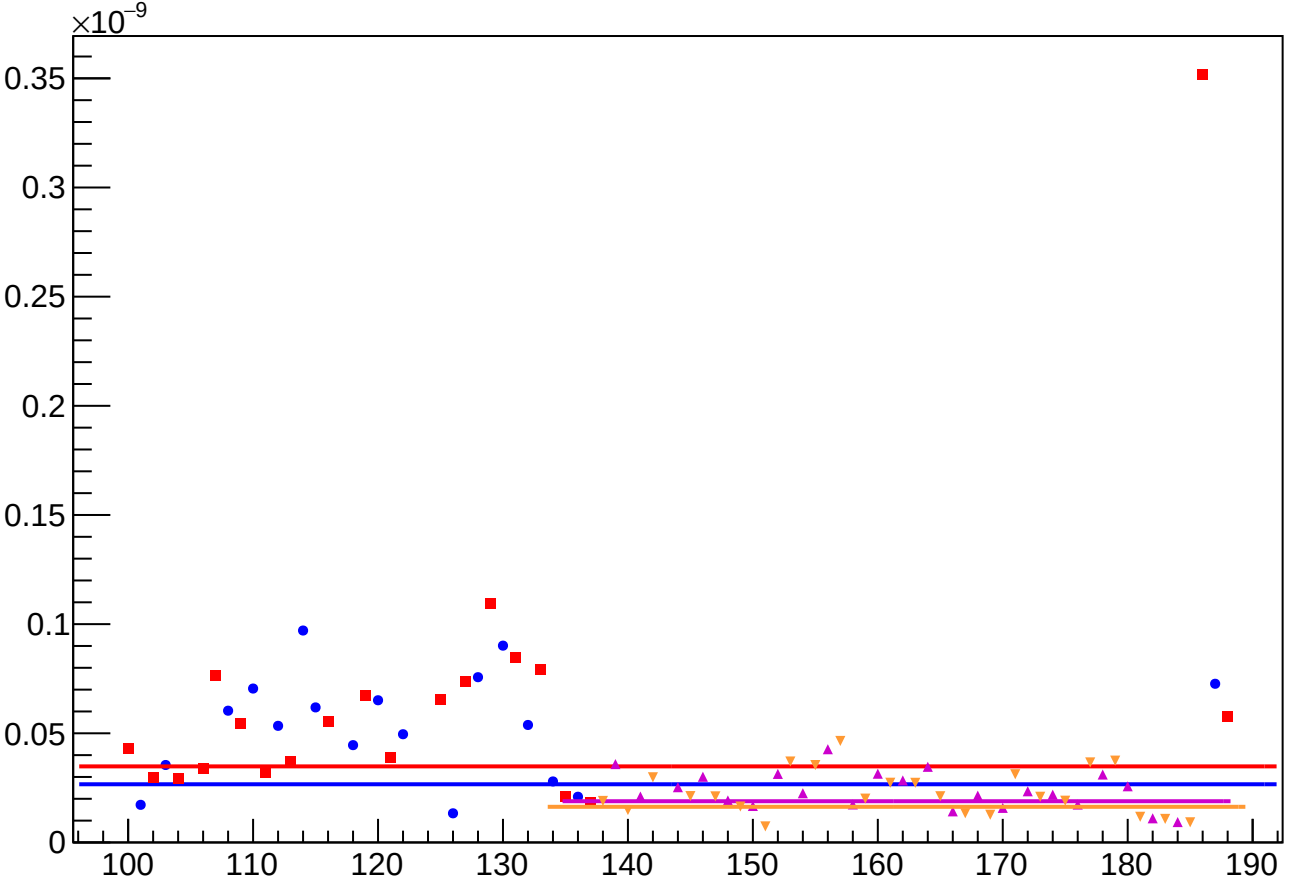
Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.0/40

All: 0.000+/-0.000 χ^2/NDF: 81.5/83

- sign 0.000+/-0.000 χ^2/NDF: 49.4/42

asym_us_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2225365.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4263140.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2265279.1/19

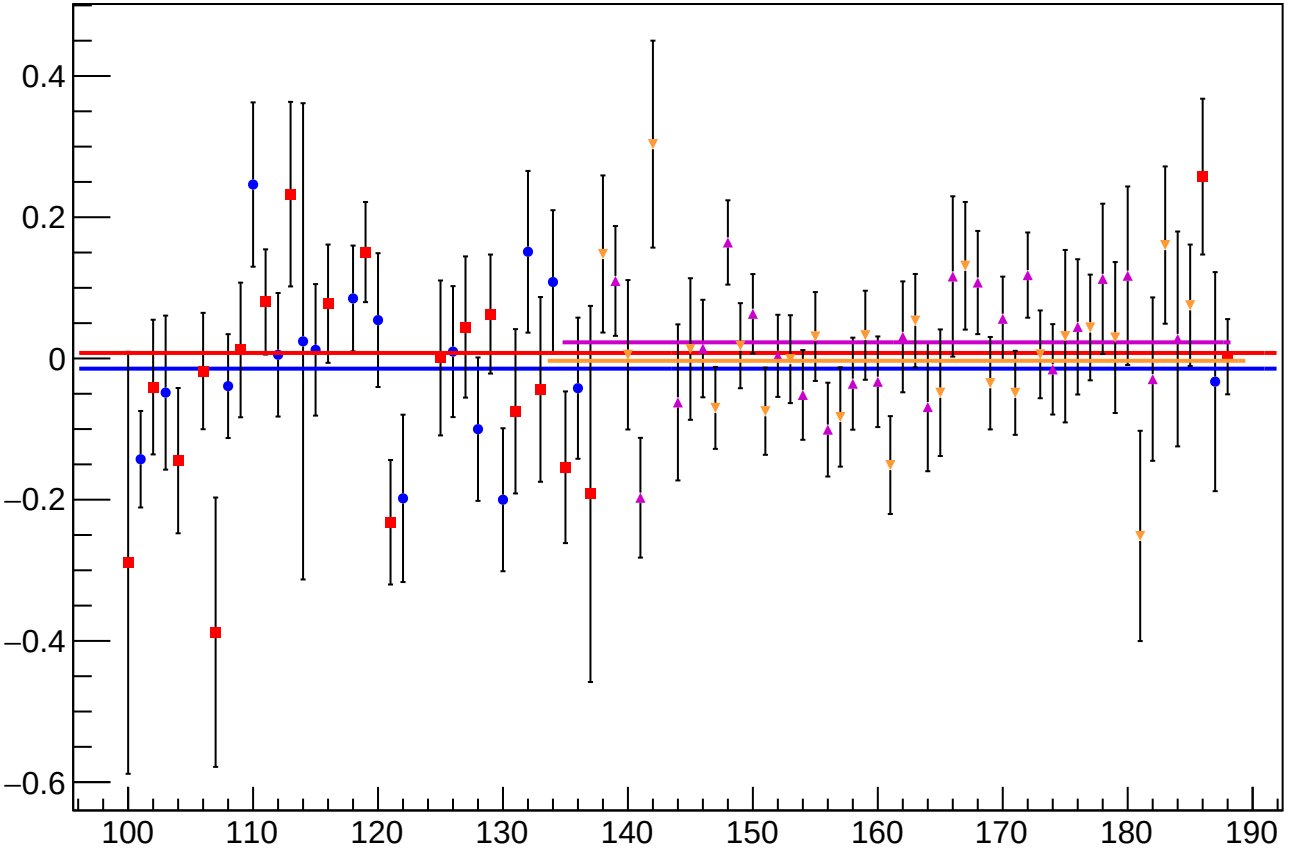
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7316745.2/40

All: 0.000+/-0.000 χ^2/NDF: 14605017.8/83

- sign 0.000+/-0.000 χ^2/NDF: 6973716.2/42

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/16

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

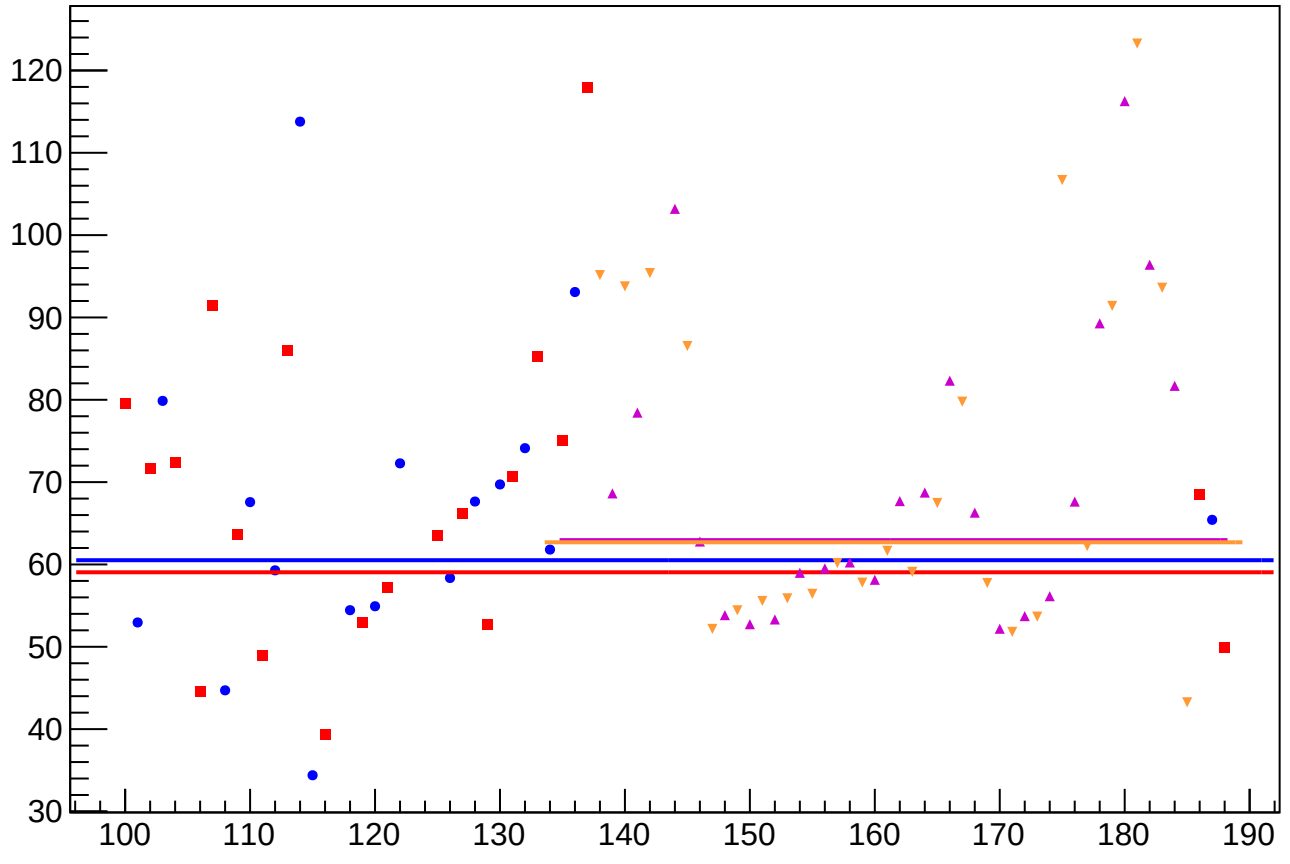
Right Out: 0.008+/-0.021 χ^2/NDF: 33.1/19

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.007+/-0.013 χ^2/NDF: 47.4/40

All: 0.006+/-0.009 χ^2/NDF: 111.6/83

- sign 0.018+/-0.013 χ^2/NDF: 62.4/42



Right In: 60.515+/-0.017 χ^2/NDF: 705203.7/16

Left Out: 62.694+/-0.011 χ^2/NDF:1939401.0/23

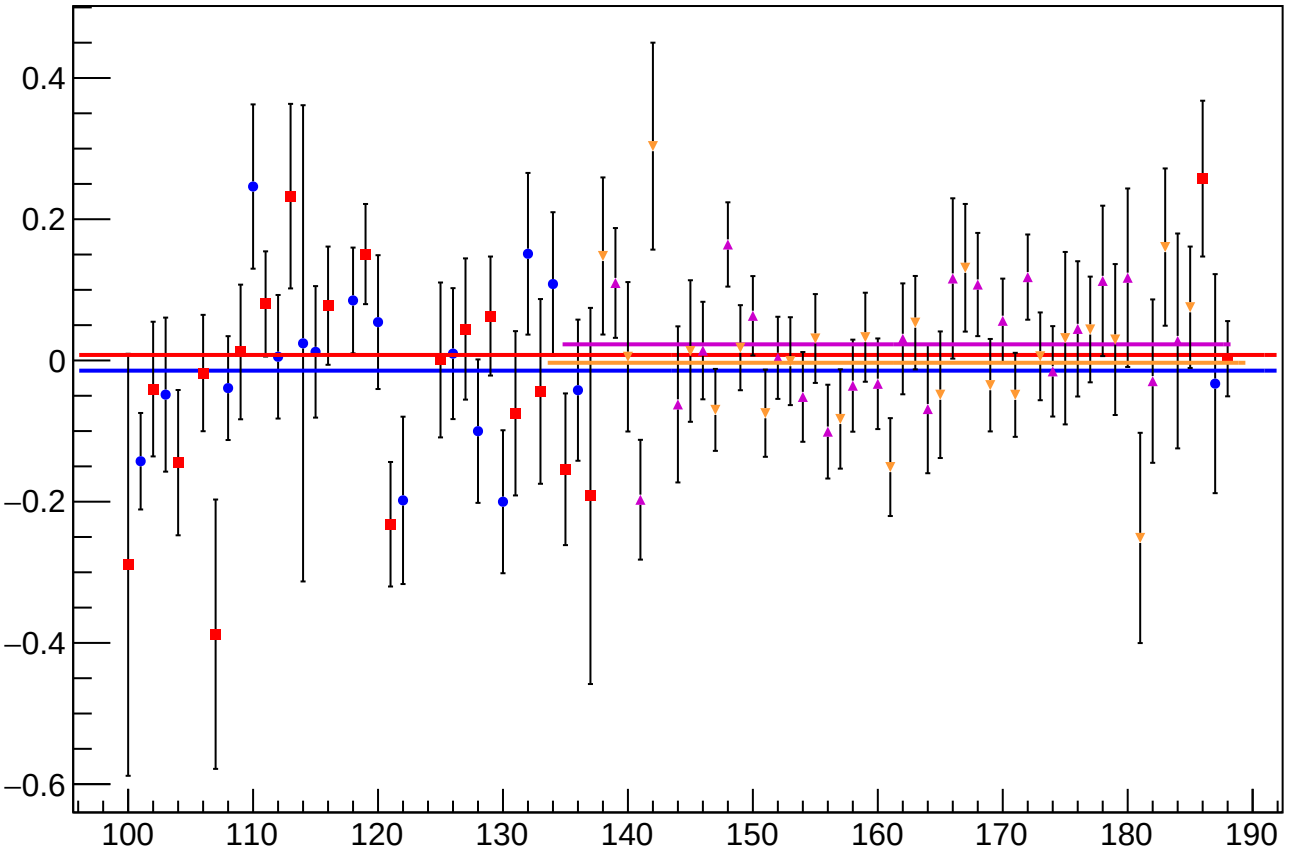
Right Out: 59.049+/-0.015 χ^2/NDF: 791585.7/19

Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 62.037+/-0.009 χ^2/NDF: 2656526.0/40

All: 61.814+/-0.006 χ^2/NDF: 4923631.9/83

- sign 61.605+/-0.009 χ^2/NDF: 2265956.8/42



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/16

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

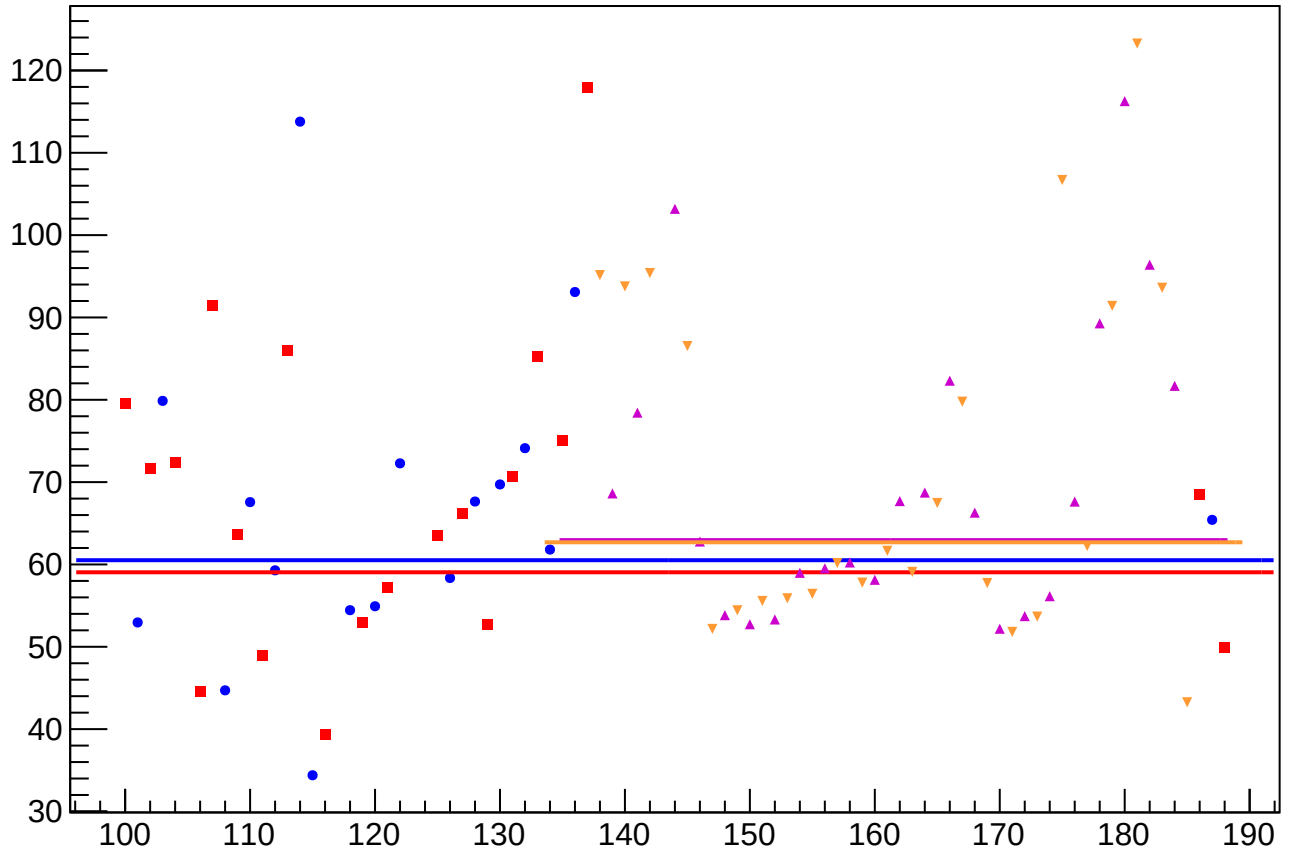
Right Out: 0.008+/-0.021 χ^2/NDF: 33.1/19

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.007+/-0.013 χ^2/NDF: 47.4/40

All: 0.006+/-0.009 χ^2/NDF: 111.6/83

- sign 0.018+/-0.013 χ^2/NDF: 62.4/42



Right In: 60.515+/-0.017 χ^2/NDF: 705203.7/16

Left Out: 62.694+/-0.011 χ^2/NDF:1939401.0/23

Right Out: 59.049+/-0.015 χ^2/NDF: 791585.7/19

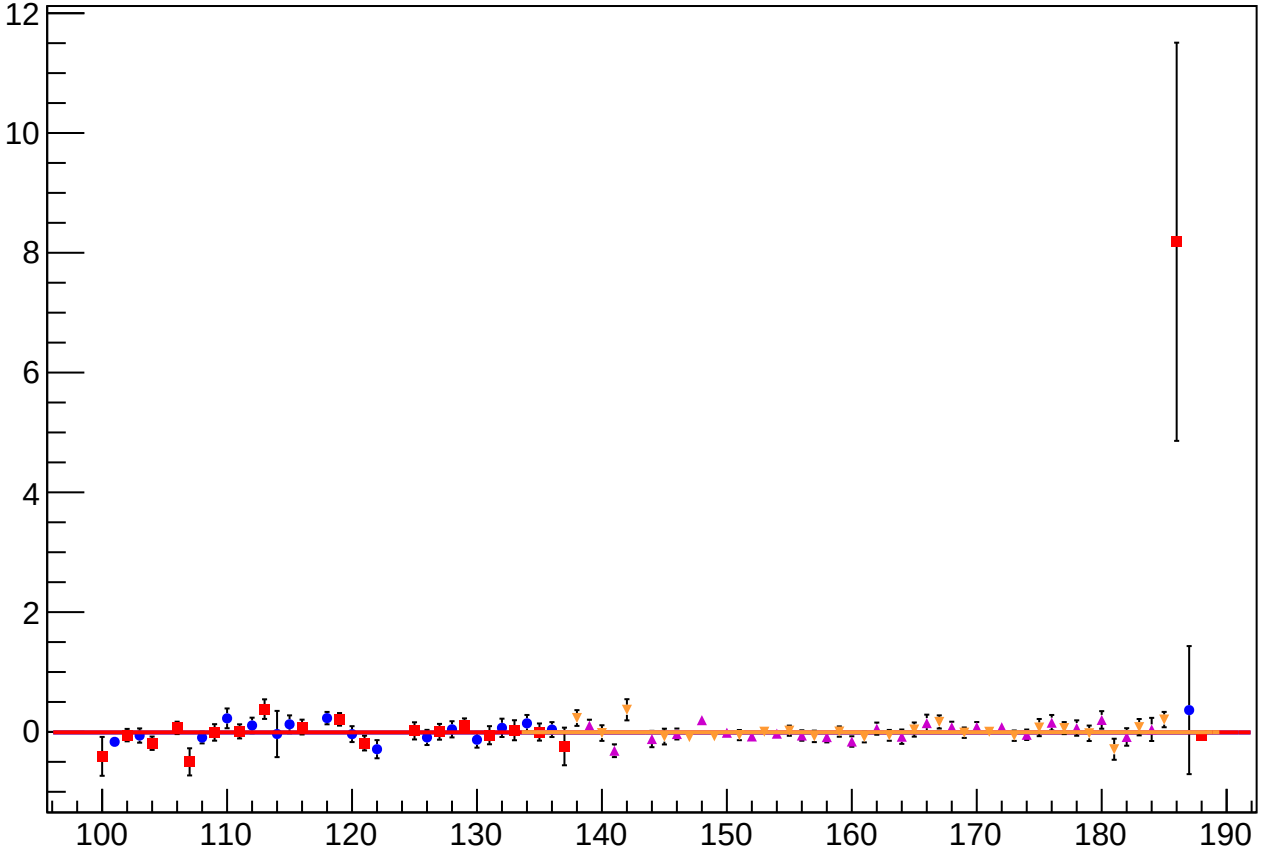
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 62.037+/-0.009 χ^2/NDF: 2656526.0/40

All: 61.814+/-0.006 χ^2/NDF: 4923631.9/83

- sign 61.605+/-0.009 χ^2/NDF: 2265956.8/42

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.010+/-0.032 χ^2/NDF: 20.3/16

Left Out: -0.004+/-0.021 χ^2/NDF:21.4/23

Right Out: -0.007+/-0.029 χ^2/NDF: 30.5/19

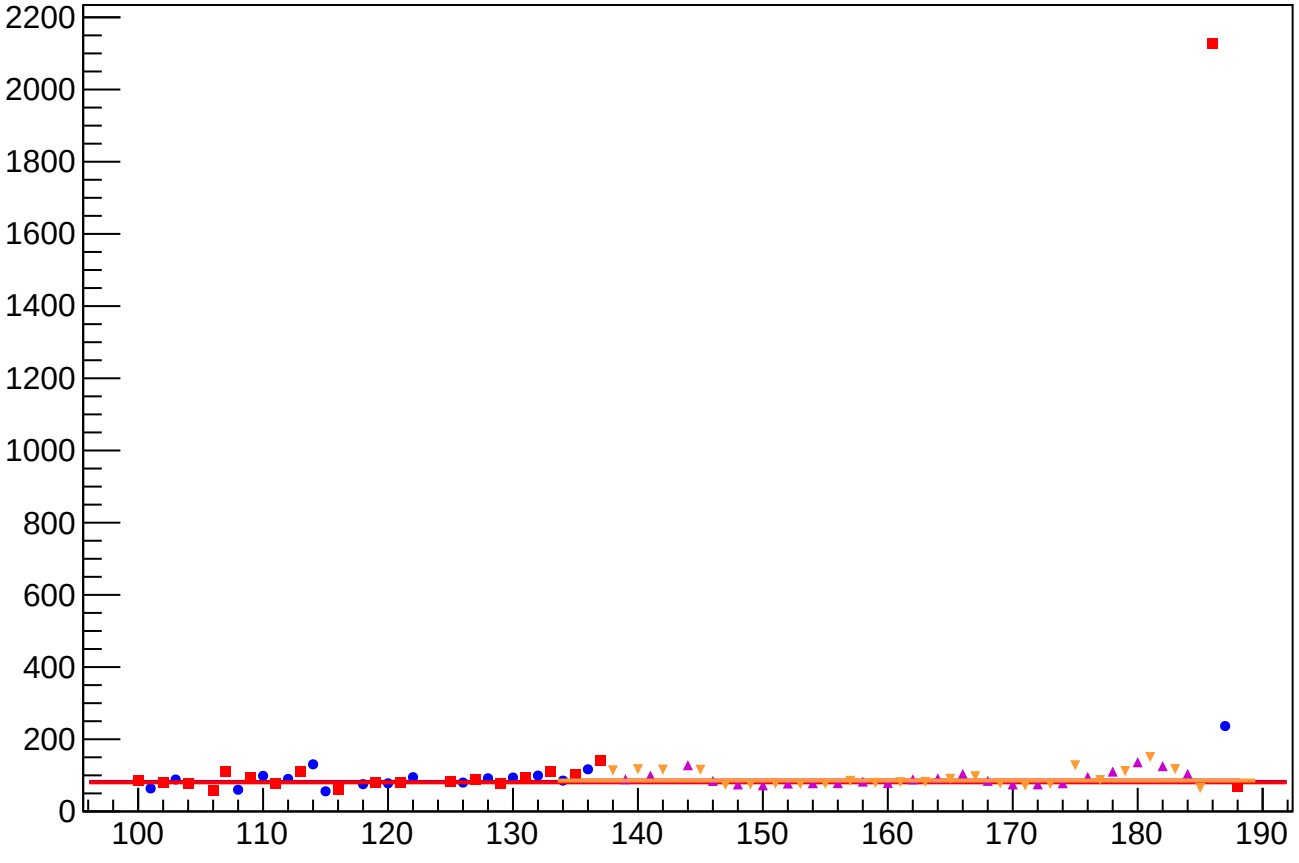
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.006+/-0.017 χ^2/NDF: 41.7/40

All: -0.005+/-0.012 χ^2/NDF: 102.7/83

- sign -0.003+/-0.017 χ^2/NDF: 61.0/42

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.799+/-0.022 χ^2/NDF: 603812.2/16

Left Out: 85.650+/-0.015 χ^2/NDF:1352748.5/23

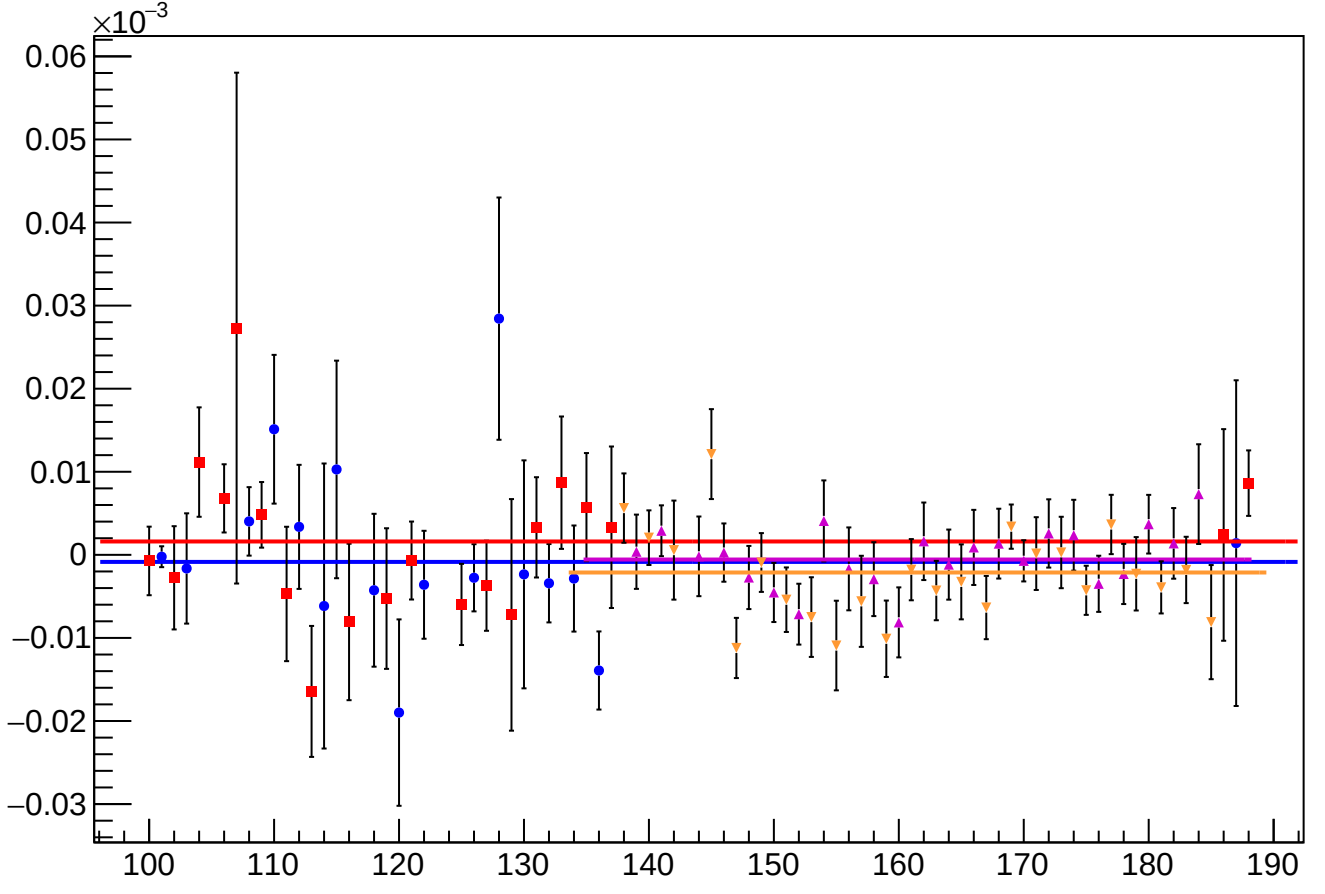
Right Out: 80.673+/-0.021 χ^2/NDF: 1293966.0/19

Left In: 85.679+/-0.015 χ^2/NDF:995870.4/22

+ sign 84.495+/-0.012 χ^2/NDF: 1977367.9/40

All: 84.246+/-0.009 χ^2/NDF: 4307135.7/83

- sign 84.008+/-0.012 χ^2/NDF: 2328956.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/19

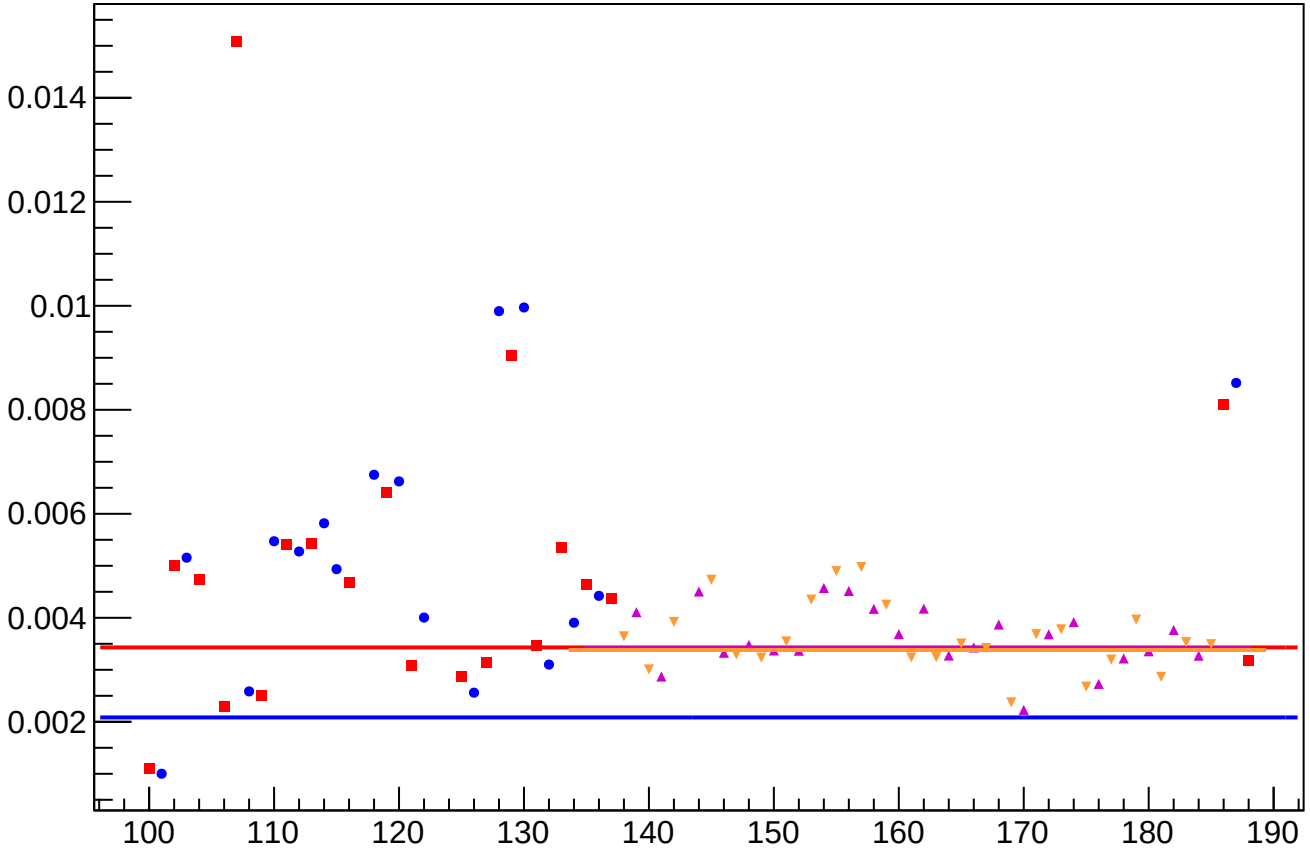
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.7/40

All: -0.000+/-0.000 χ^2/NDF: 103.3/83

- sign 0.000+/-0.000 χ^2/NDF: 40.5/42

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6029307.6/16

Left Out: 0.003+/-0.000 χ^2/NDF:1195636.0/23

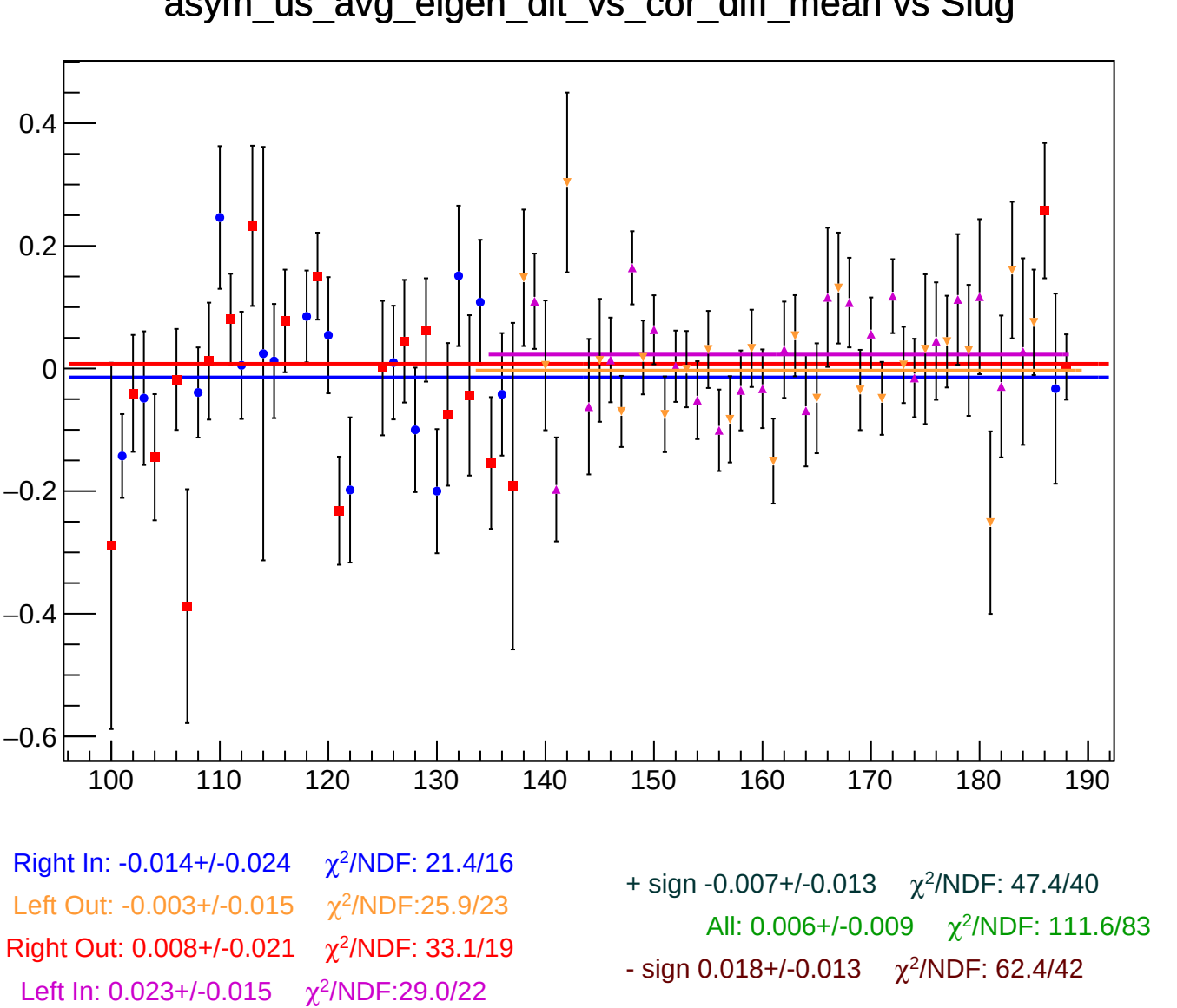
Right Out: 0.003+/-0.000 χ^2/NDF: 2770076.5/19

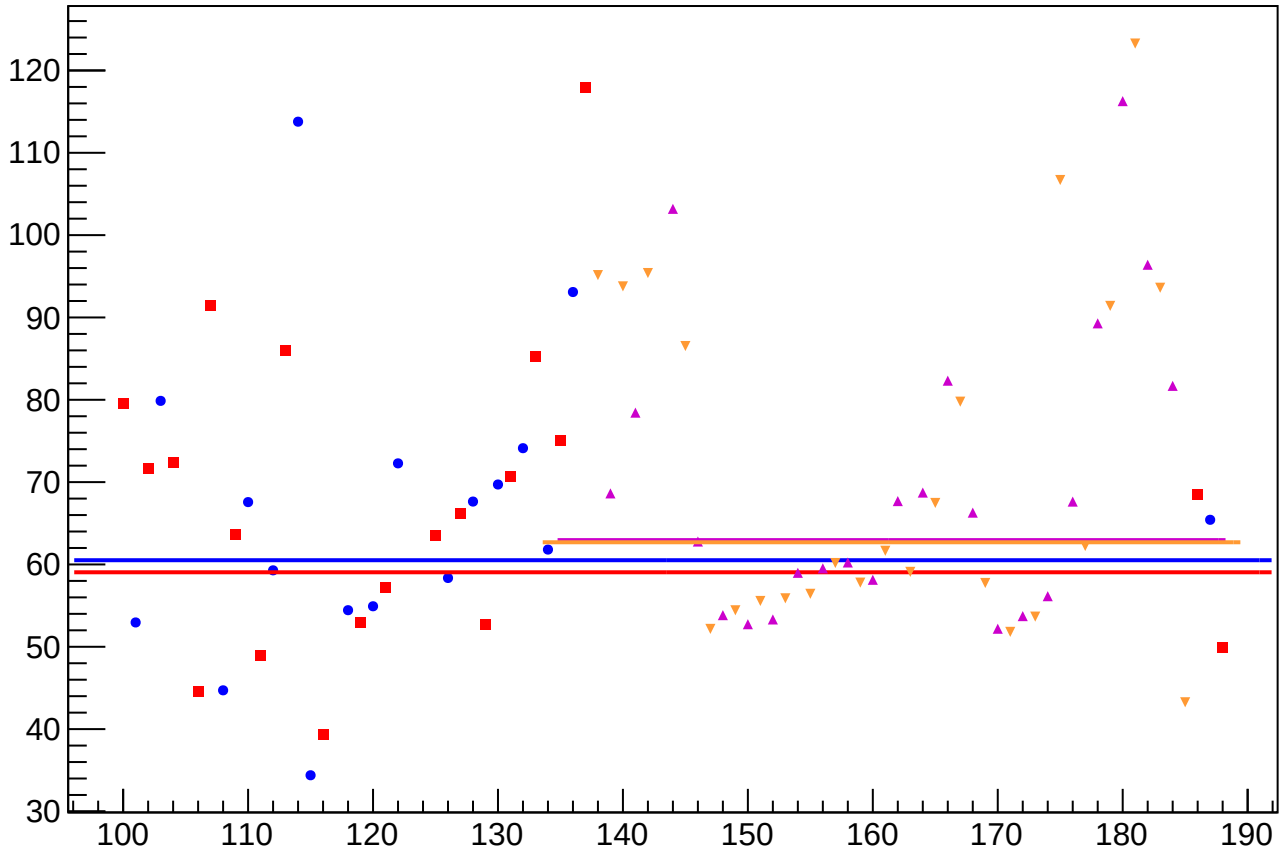
Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 9246463.4/40

All: 0.003+/-0.000 χ^2/NDF: 13863719.0/83

- sign 0.003+/-0.000 χ^2/NDF: 3940600.1/42


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: -0.014+/-0.024 χ²/NDF: 21.4/16
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: 0.008+/-0.021 χ²/NDF: 33.1/19
Left In: 0.023+/-0.015 χ²/NDF:29.0/22
+ sign -0.007+/-0.013 χ²/NDF: 47.4/40
All: 0.006+/-0.009 χ²/NDF: 111.6/83
- sign 0.018+/-0.013 χ²/NDF: 62.4/42



Right In: 60.514+/-0.017 χ^2/NDF: 705220.7/16

Left Out: 62.694+/-0.011 χ^2/NDF:1939383.4/23

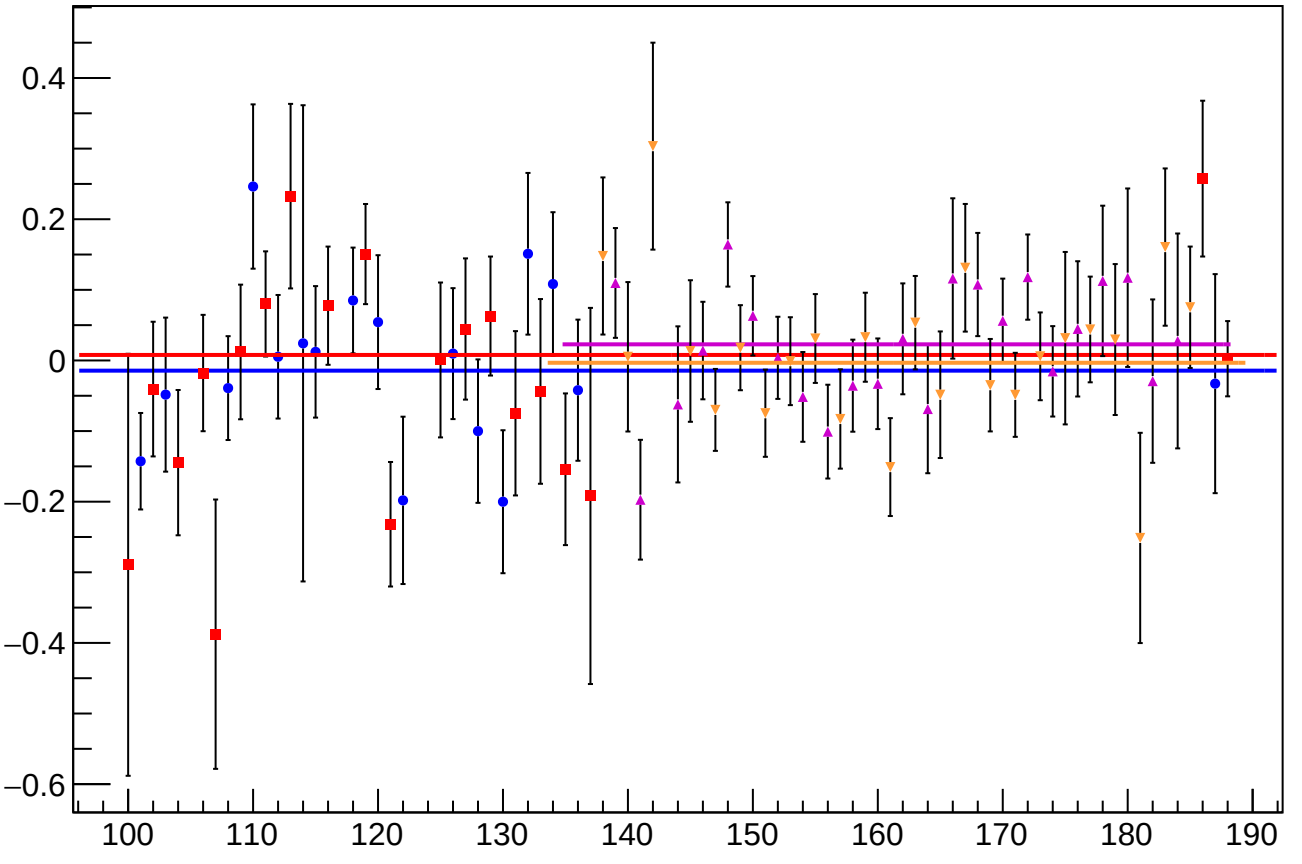
Right Out: 59.048+/-0.015 χ^2/NDF: 791576.9/19

Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

+ sign 62.037+/-0.009 χ^2/NDF: 2656544.1/40

All: 61.814+/-0.006 χ^2/NDF: 4923647.8/83

- sign 61.605+/-0.009 χ^2/NDF: 2265954.3/42



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/16

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

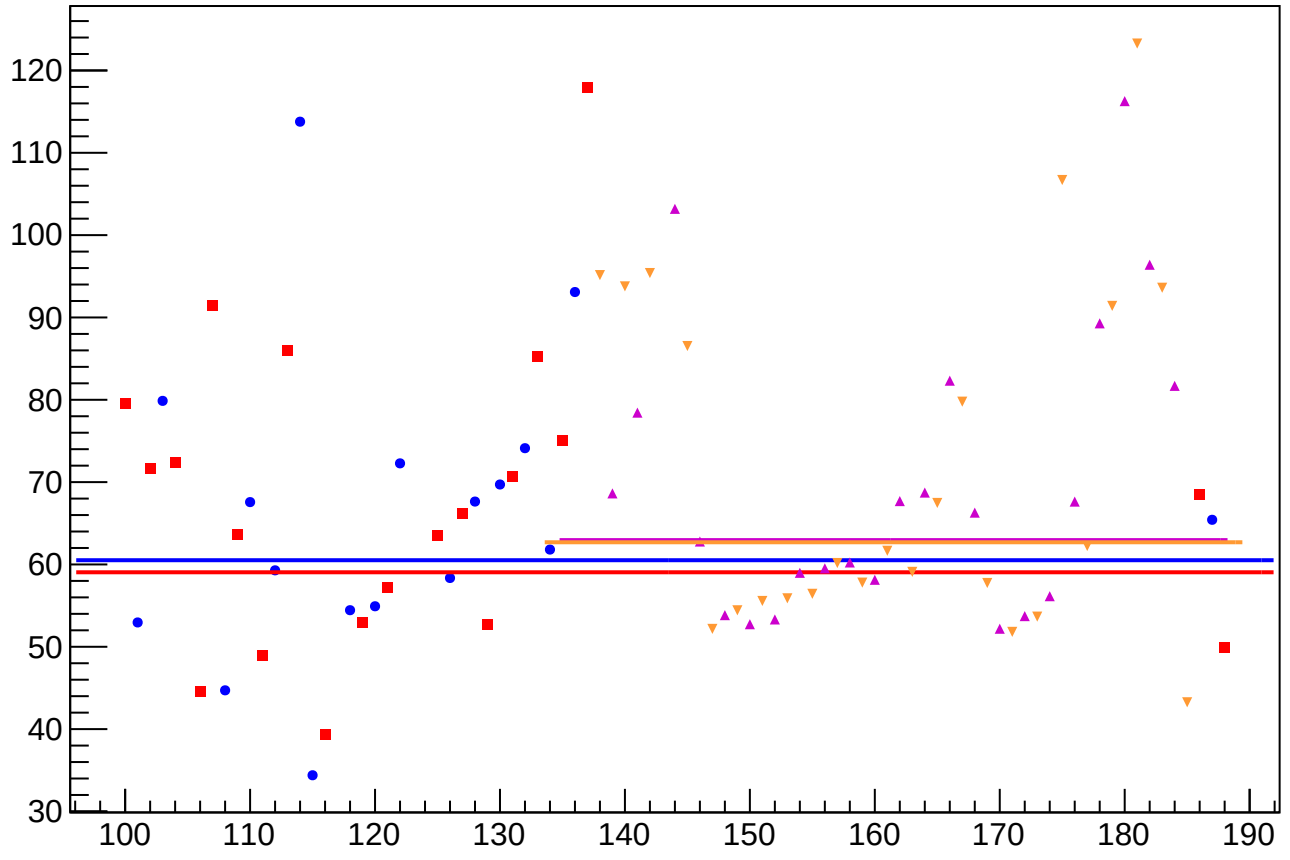
Right Out: 0.008+/-0.021 χ^2/NDF: 33.1/19

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.007+/-0.013 χ^2/NDF: 47.4/40

All: 0.006+/-0.009 χ^2/NDF: 111.6/83

- sign 0.018+/-0.013 χ^2/NDF: 62.4/42



Right In: 60.514+/-0.017 χ^2/NDF: 705220.7/16

Left Out: 62.694+/-0.011 χ^2/NDF:1939383.4/23

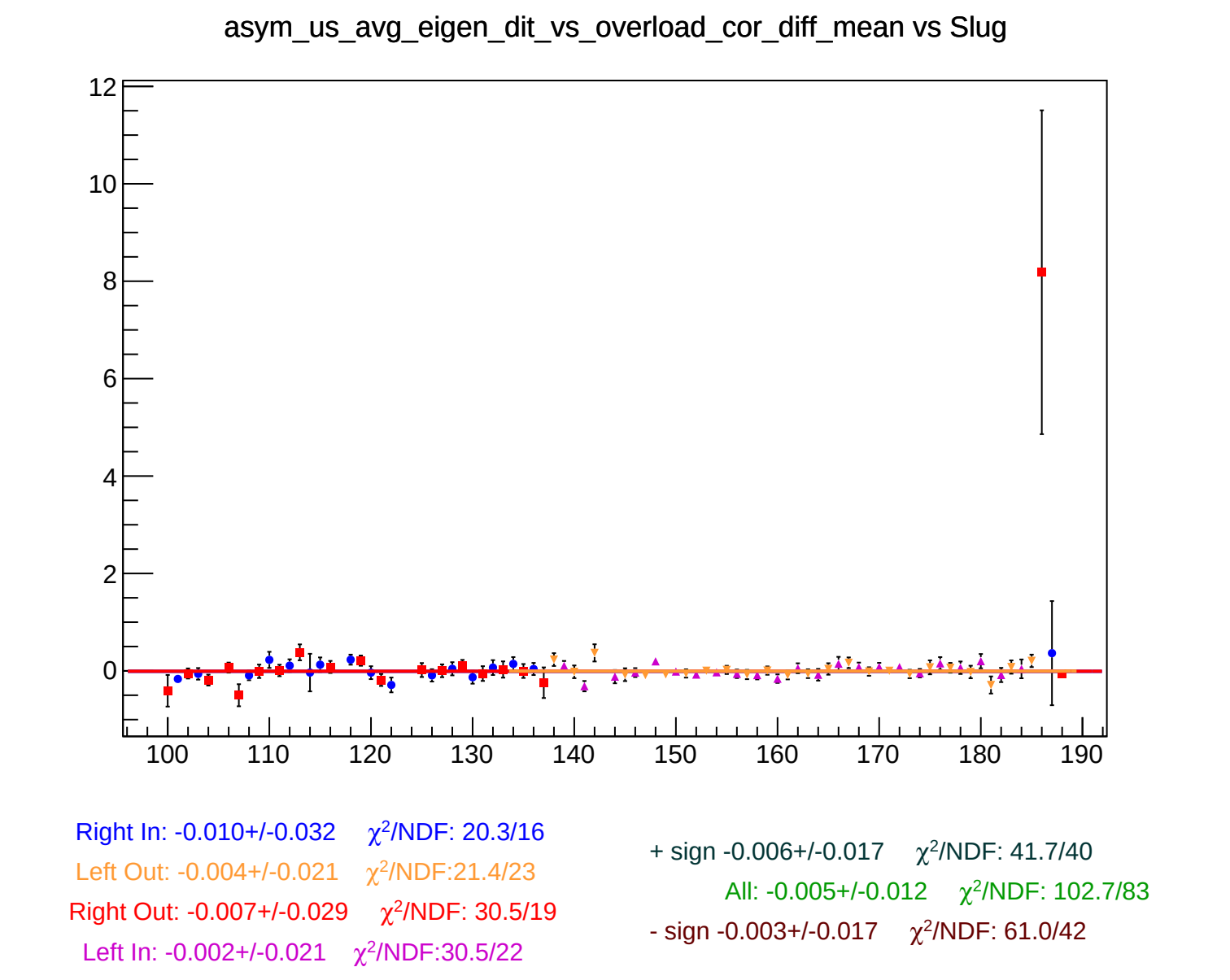
Right Out: 59.048+/-0.015 χ^2/NDF: 791576.9/19

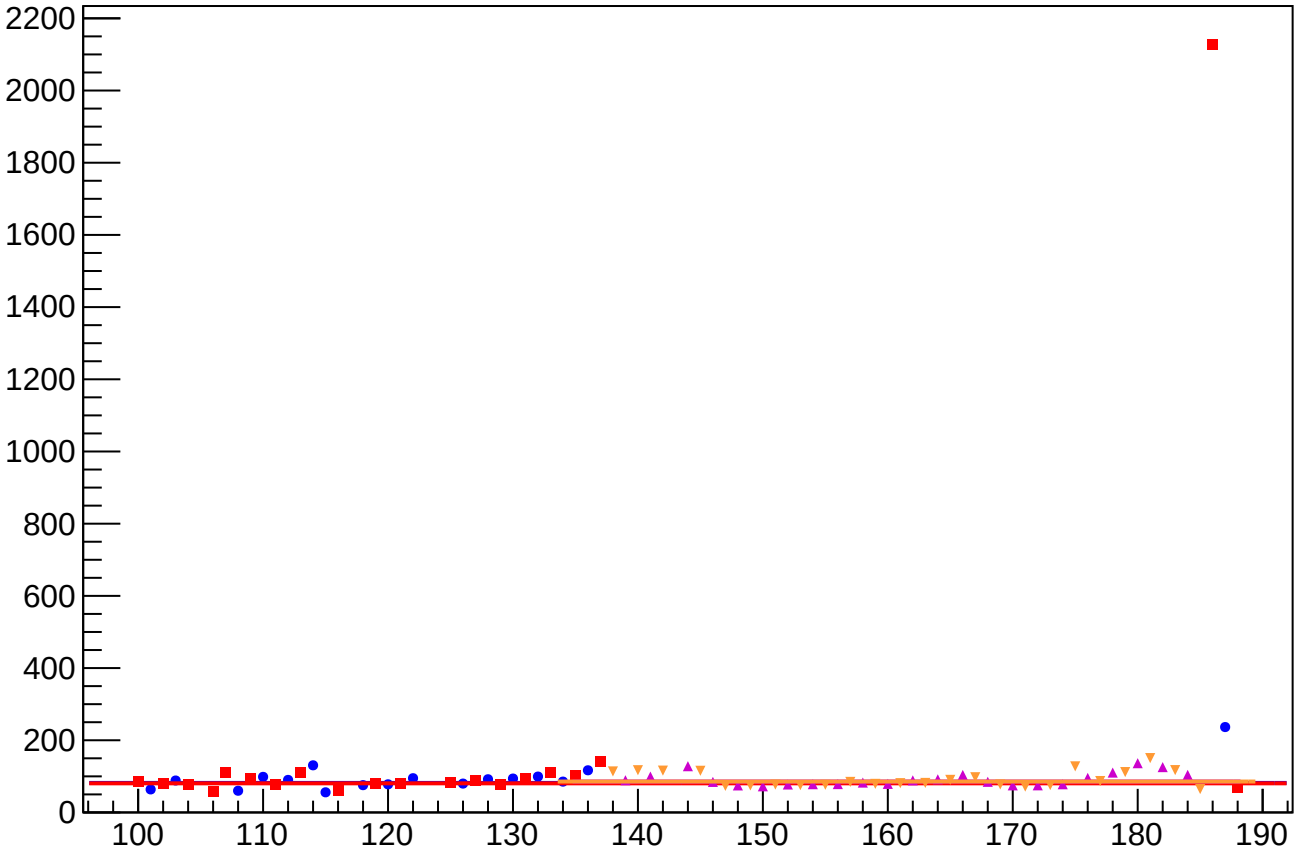
Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

+ sign 62.037+/-0.009 χ^2/NDF: 2656544.1/40

All: 61.814+/-0.006 χ^2/NDF: 4923647.8/83

- sign 61.605+/-0.009 χ^2/NDF: 2265954.3/42


asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug
12
10
8
6
4
2
0
100
110
120
130
140
150
160
170
180
190
Right In: -0.010+/-0.032 χ²/NDF: 20.3/16
Left Out: -0.004+/-0.021 χ²/NDF:21.4/23
Right Out: -0.007+/-0.029 χ²/NDF: 30.5/19
Left In: -0.002+/-0.021 χ²/NDF:30.5/22
+ sign -0.006+/-0.017 χ²/NDF: 41.7/40
All: -0.005+/-0.012 χ²/NDF: 102.7/83
- sign -0.003+/-0.017 χ²/NDF: 61.0/42



Right In: 81.798+/-0.022 χ^2/NDF: 603800.0/16

Left Out: 85.651+/-0.015 χ^2/NDF:1352738.9/23

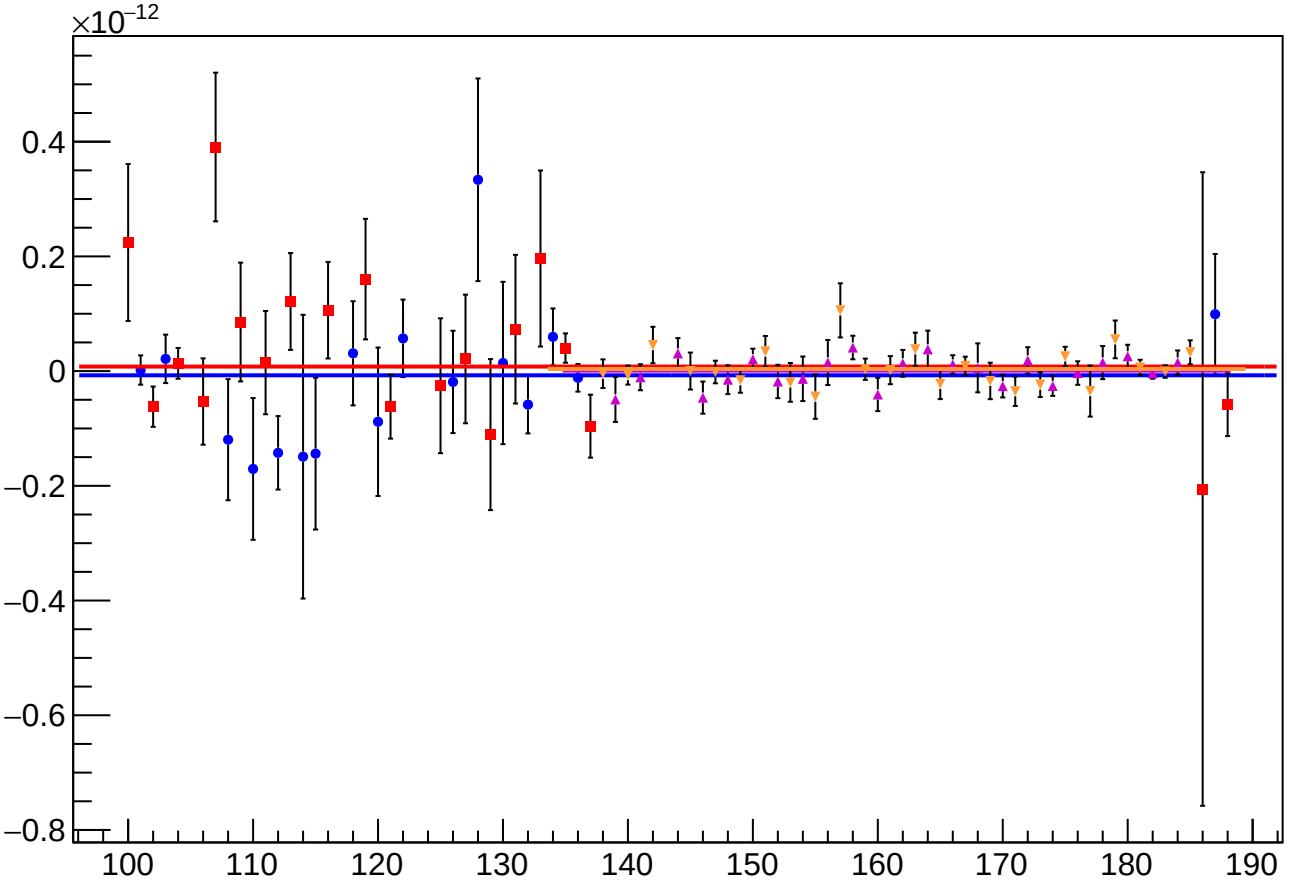
Right Out: 80.672+/-0.021 χ^2/NDF: 1293948.8/19

Left In: 85.679+/-0.015 χ^2/NDF:995860.8/22

+ sign 84.495+/-0.012 χ^2/NDF: 1977358.9/40

All: 84.245+/-0.009 χ^2/NDF: 4307115.9/83

- sign 84.008+/-0.012 χ^2/NDF: 2328945.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/23

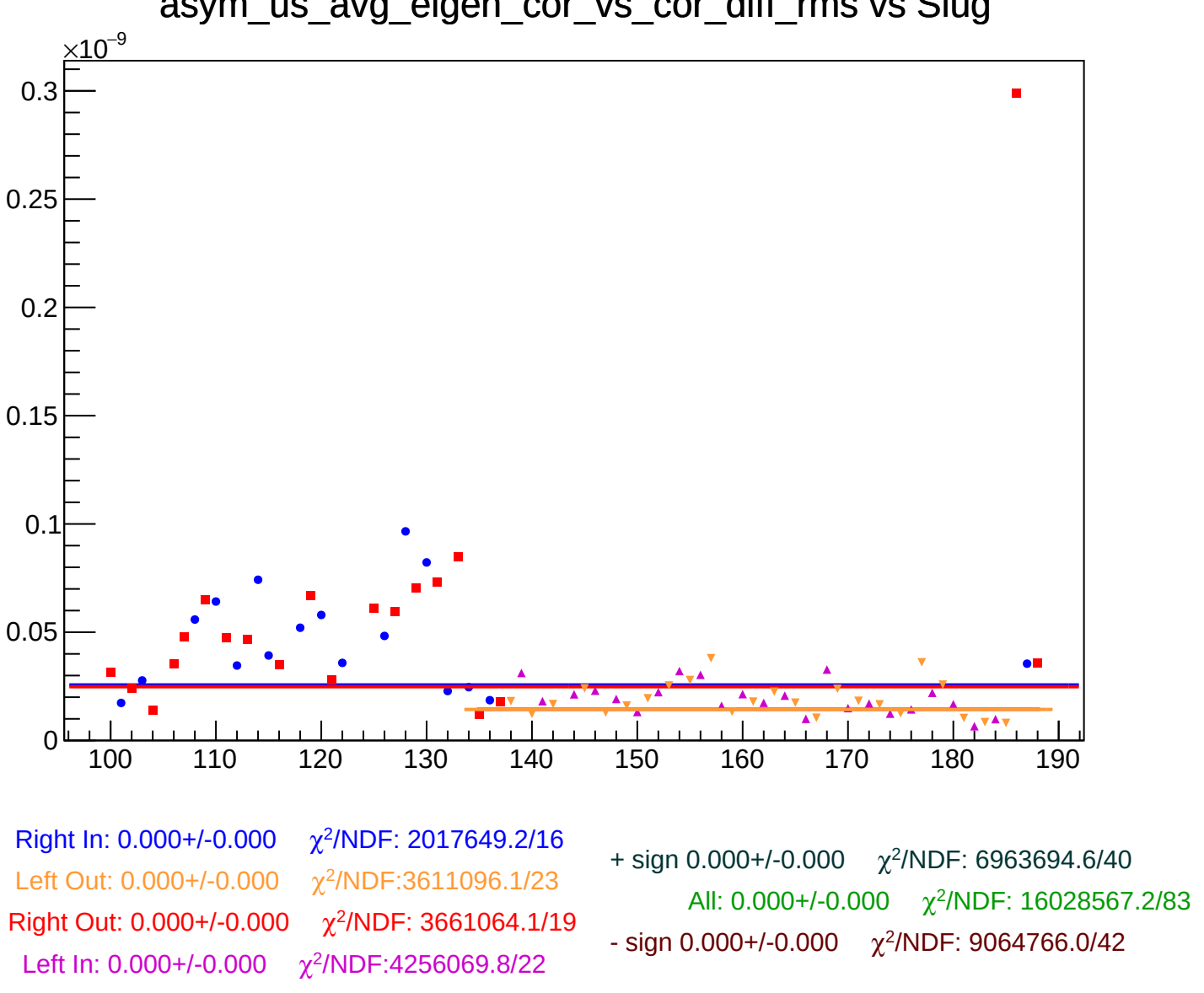
Right Out: 0.000+/-0.000 χ^2/NDF: 32.7/19

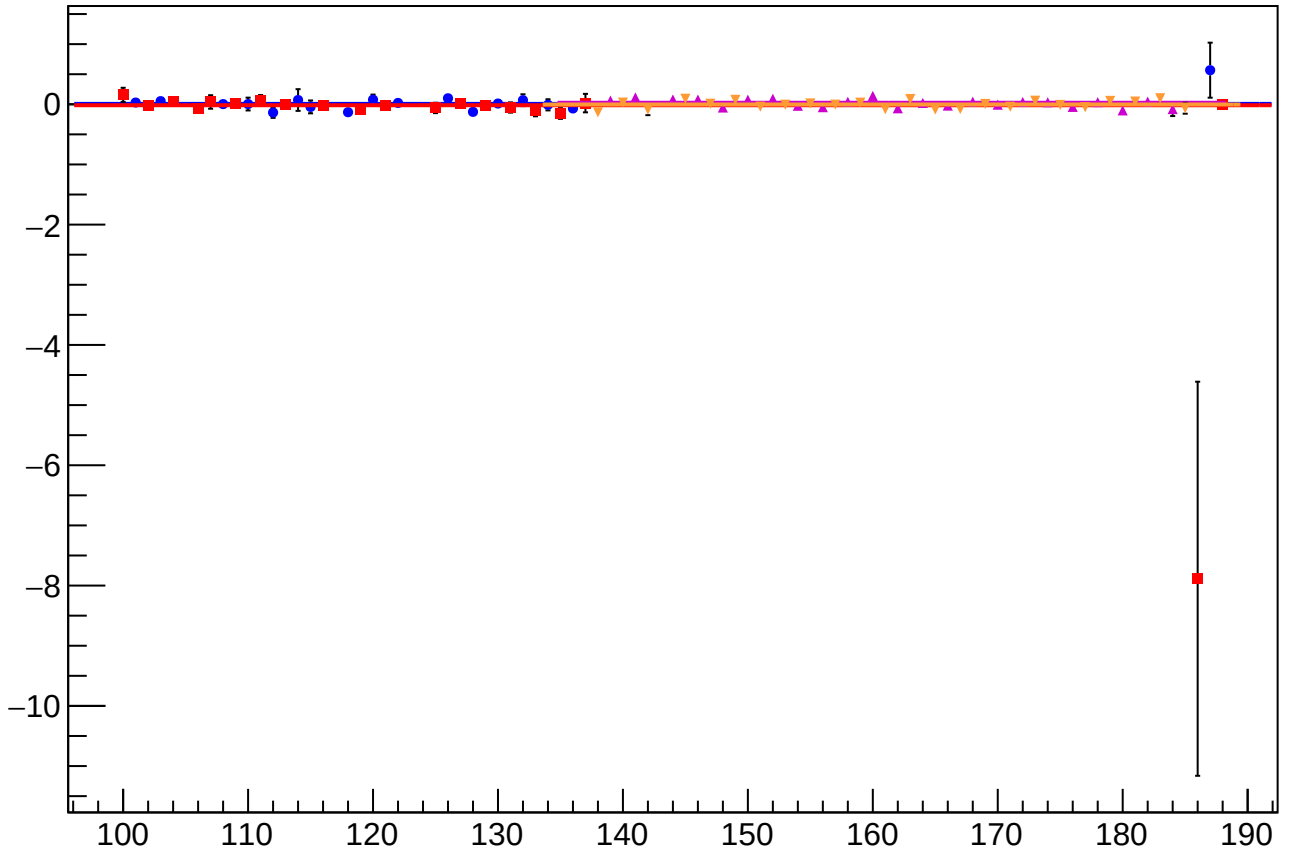
Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.1/40

All: 0.000+/-0.000 χ^2/NDF: 100.8/83

- sign 0.000+/-0.000 χ^2/NDF: 56.6/42


asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2017649.2/16
Left Out: 0.000+/-0.000 χ²/NDF:3611096.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 3661064.1/19
Left In: 0.000+/-0.000 χ²/NDF:4256069.8/22
+ sign 0.000+/-0.000 χ²/NDF: 6963694.6/40
All: 0.000+/-0.000 χ²/NDF: 16028567.2/83
- sign 0.000+/-0.000 χ²/NDF: 9064766.0/42



Right In: 0.007+/-0.017 χ^2/NDF: 17.1/16

Left Out: -0.003+/-0.012 χ^2/NDF:23.1/23

Right Out: -0.016+/-0.015 χ^2/NDF: 18.3/19

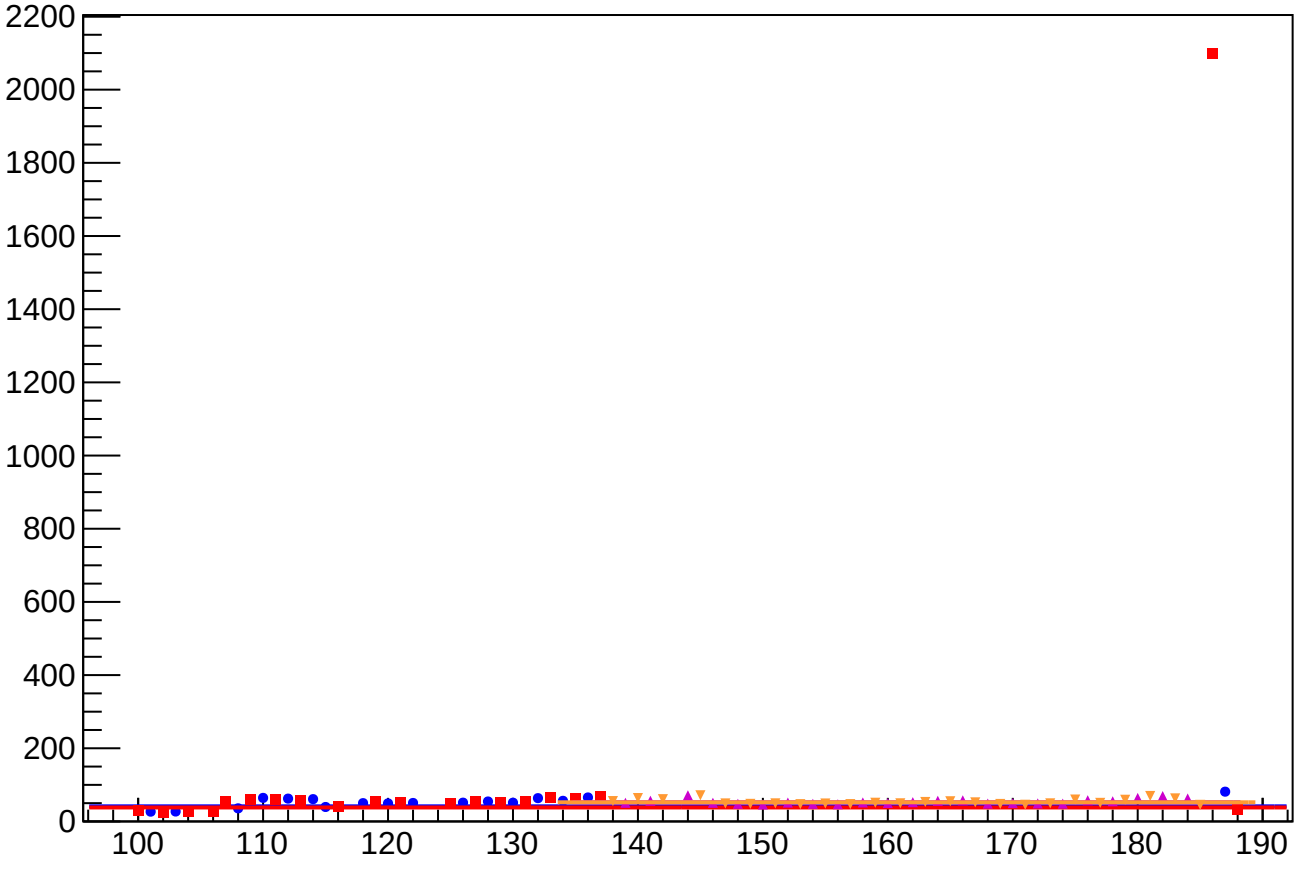
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign 0.000+/-0.010 χ^2/NDF: 40.4/40

All: 0.004+/-0.007 χ^2/NDF: 87.9/83

- sign 0.008+/-0.009 χ^2/NDF: 47.1/42

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 41.329+/-0.012 χ^2/NDF: 1520626.1/16

Left Out: 52.367+/-0.009 χ^2/NDF:522031.5/23

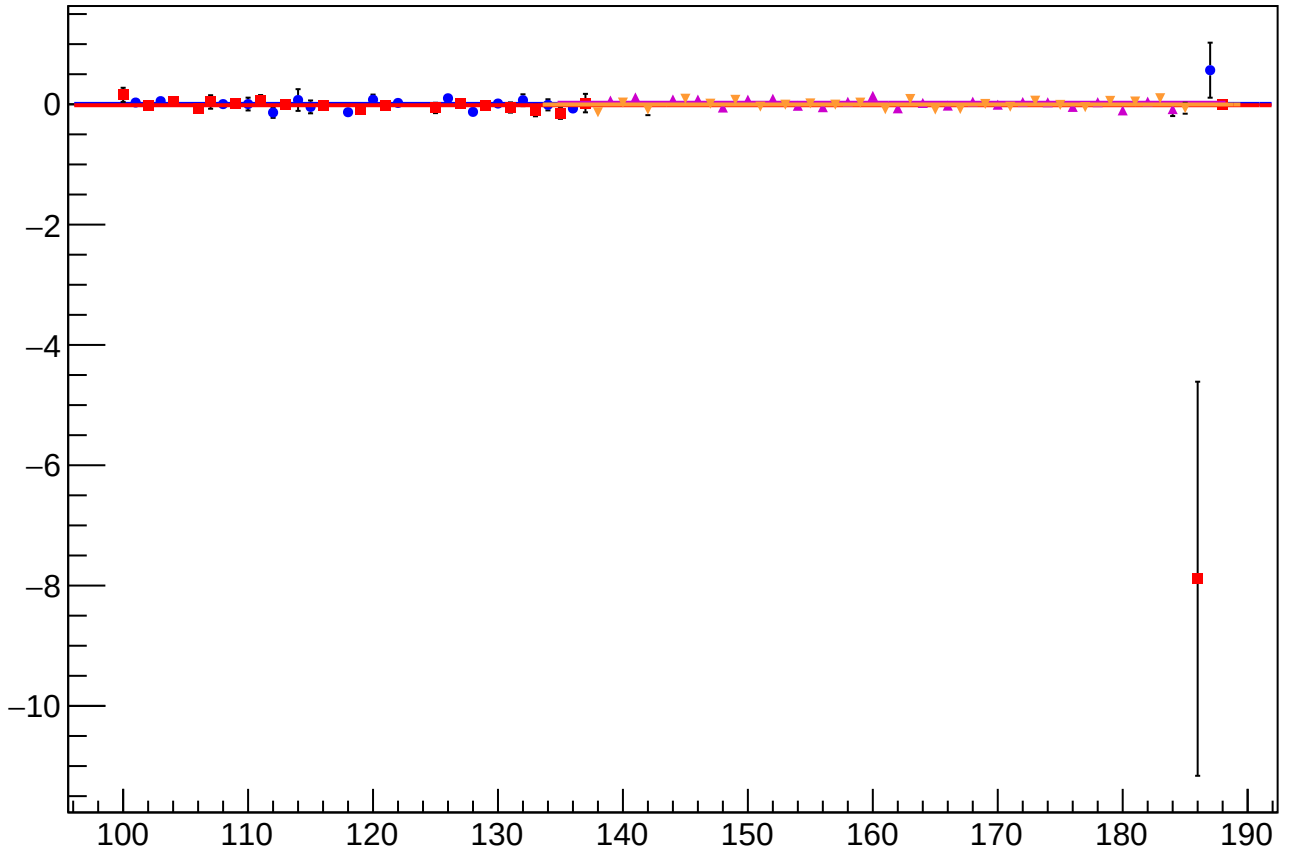
Right Out: 38.240+/-0.010 χ^2/NDF: 2667393.0/19

Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 48.378+/-0.007 χ^2/NDF: 2613236.5/40

All: 47.355+/-0.005 χ^2/NDF: 6869958.1/83

- sign 46.421+/-0.007 χ^2/NDF: 4216064.5/42



Right In: 0.007+/-0.017 χ^2/NDF: 17.1/16

Left Out: -0.003+/-0.012 χ^2/NDF:23.1/23

Right Out: -0.016+/-0.015 χ^2/NDF: 18.3/19

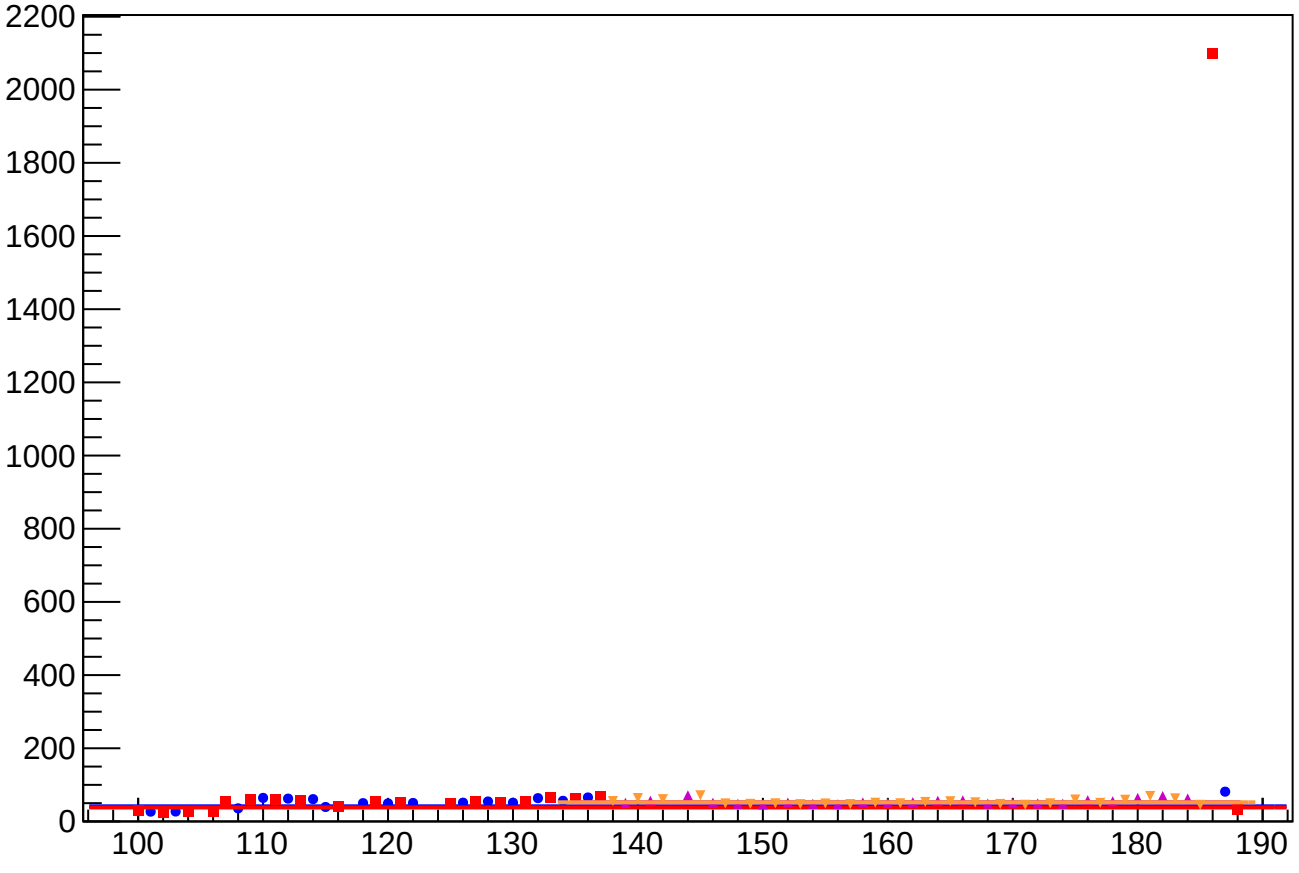
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign 0.000+/-0.010 χ^2/NDF: 40.4/40

All: 0.004+/-0.007 χ^2/NDF: 87.9/83

- sign 0.008+/-0.009 χ^2/NDF: 47.1/42

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 41.329+/-0.012 χ^2/NDF: 1520626.1/16

Left Out: 52.367+/-0.009 χ^2/NDF:522031.5/23

Right Out: 38.240+/-0.010 χ^2/NDF: 2667393.0/19

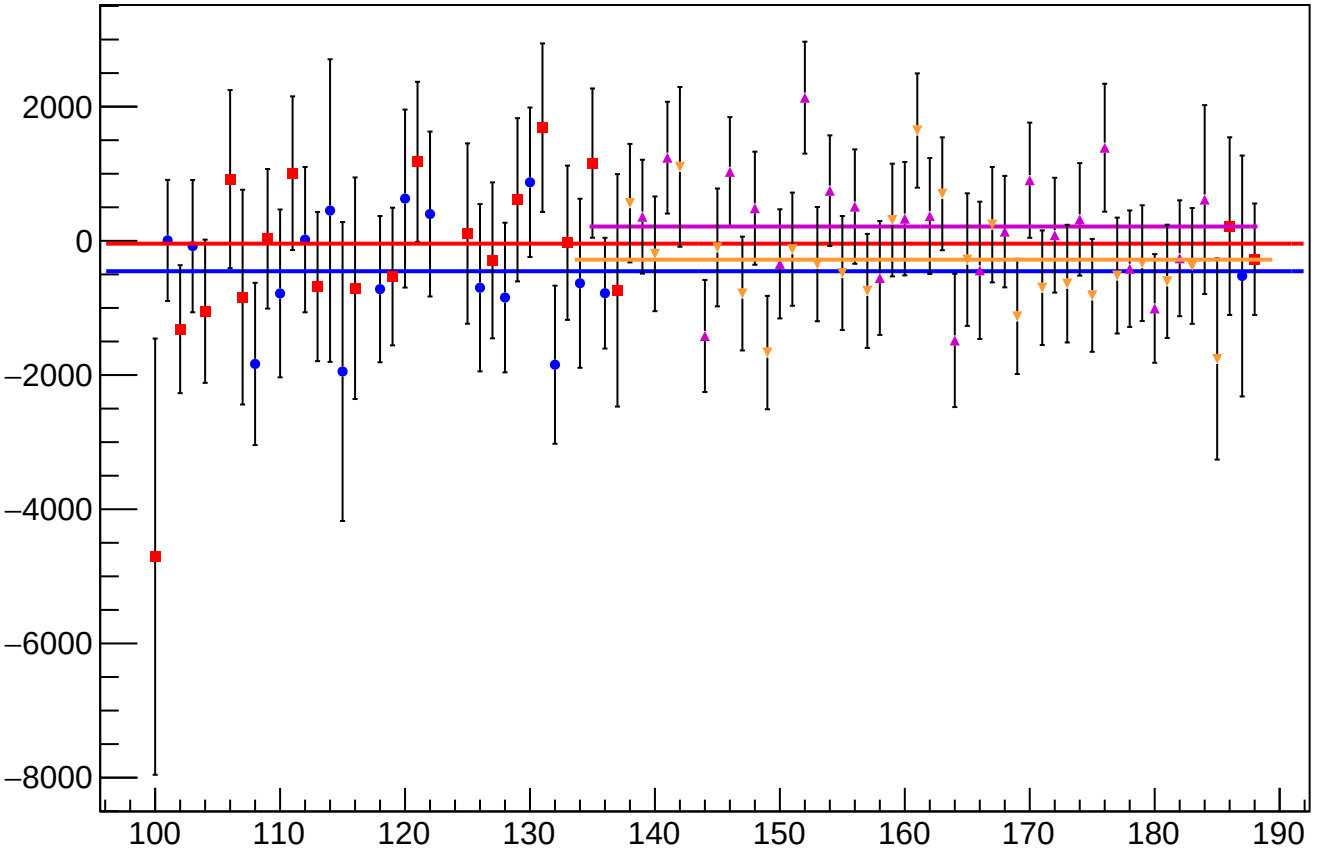
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 48.378+/-0.007 χ^2/NDF: 2613236.5/40

All: 47.355+/-0.005 χ^2/NDF: 6869958.1/83

- sign 46.421+/-0.007 χ^2/NDF: 4216064.5/42

reg_asym_us_dd_mean vs Slug



Right In: -452.793+/-285.278 χ^2/NDF: 6.9/16

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: -41.732+/-266.571 χ^2/NDF: 11.8/19

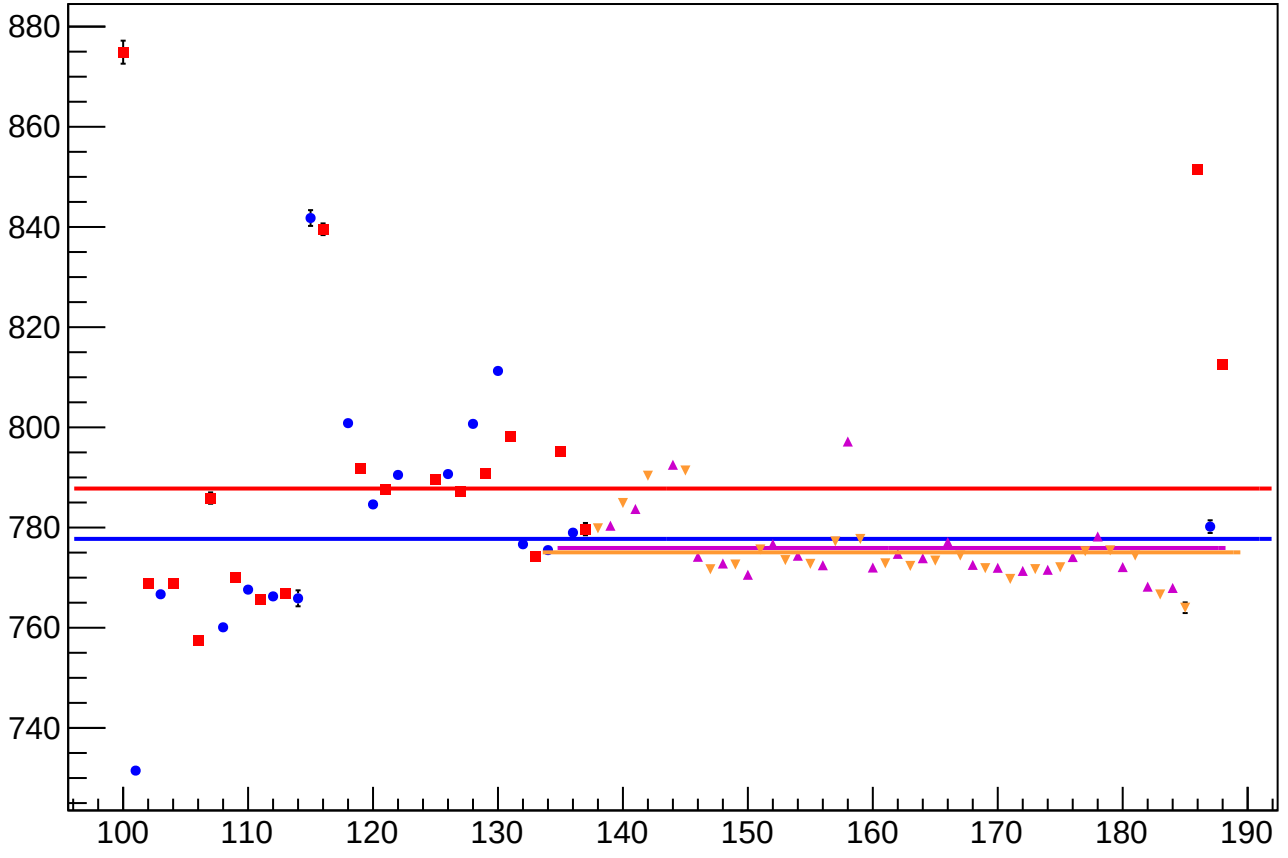
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -329.417+/-152.158 χ^2/NDF: 23.3/40

All: -94.755+/-106.763 χ^2/NDF: 62.7/83

- sign 132.807+/-149.839 χ^2/NDF: 34.8/42

reg_asym_us_dd_rms vs Slug



Right In: 777.738+/-0.202 χ^2/NDF: 12059.2/16

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

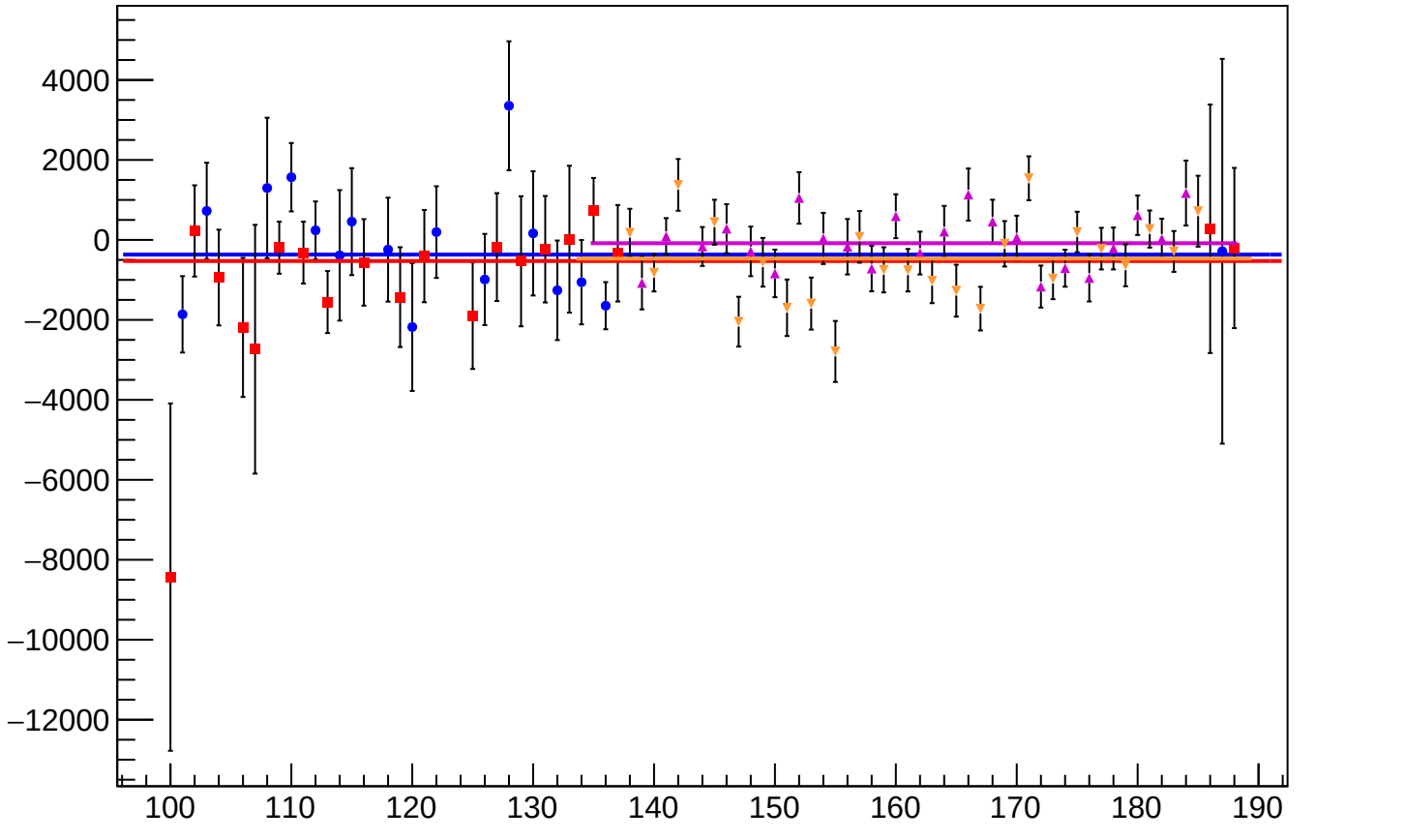
Right Out: 787.787+/-0.188 χ^2/NDF: 14926.1/19

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 775.814+/-0.108 χ^2/NDF: 14137.6/40

All: 777.772+/-0.075 χ^2/NDF: 35399.4/83

- sign 779.671+/-0.106 χ^2/NDF: 20609.6/42



Right In: -366.756+/-266.290 χ^2/NDF: 23.3/16

Left Out: -467.151+/-116.712 χ^2/NDF:64.4/23

Right Out: -527.521+/-259.761 χ^2/NDF: 11.8/19

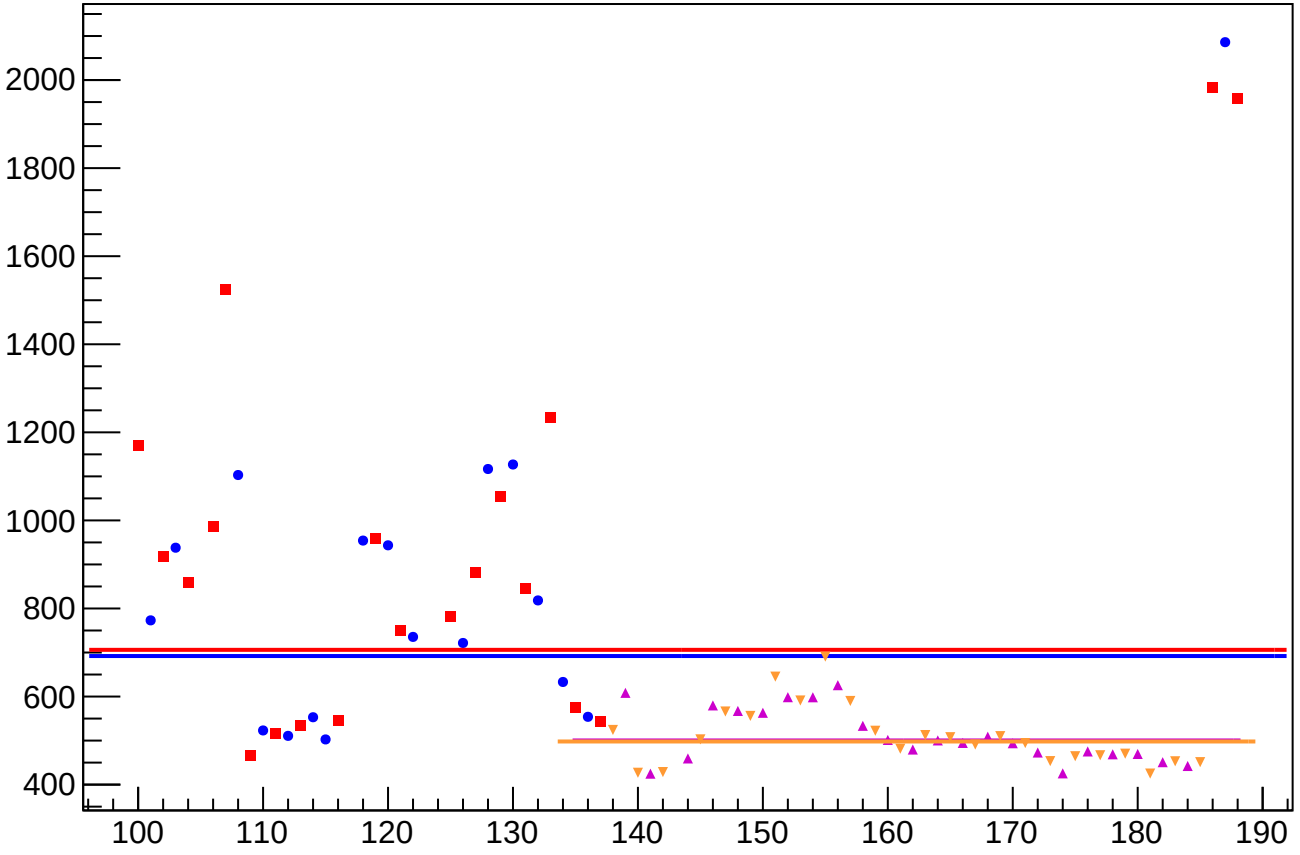
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -450.973+/-106.896 χ^2/NDF: 87.9/40

All: -305.504+/-75.726 χ^2/NDF: 133.9/83

- sign -158.961+/-107.290 χ^2/NDF: 42.3/42

asym_us_dd_reg_correction_rms vs Slug



Right In: 691.999+/-0.188 χ^2/NDF: 1200290.1/16

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

Right Out: 706.088+/-0.184 χ^2/NDF: 2457821.7/19

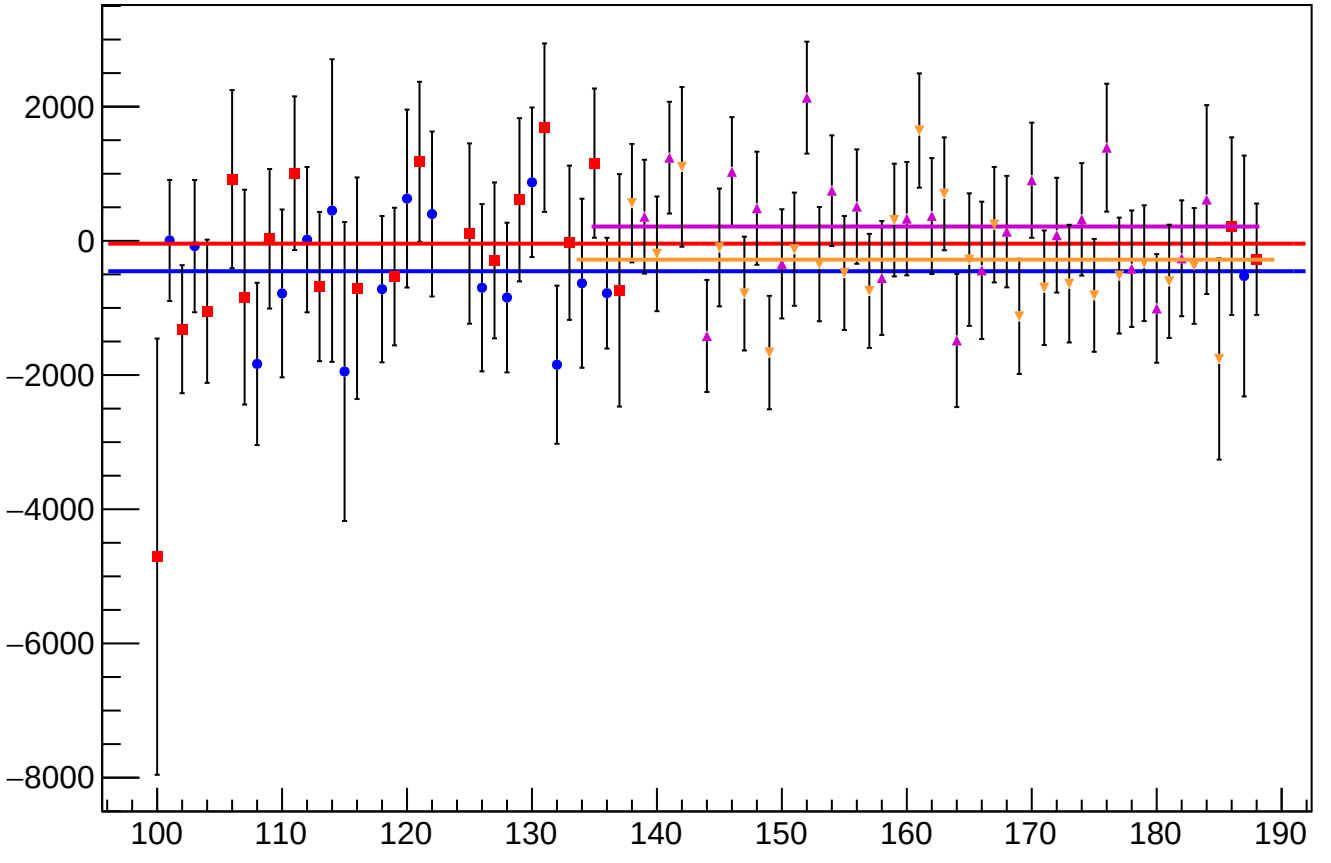
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 529.233+/-0.076 χ^2/NDF: 2618048.0/40

All: 532.311+/-0.054 χ^2/NDF: 6597609.0/83

- sign 535.412+/-0.076 χ^2/NDF: 3976232.0/42

cor_asym_us_dd_mean vs Slug



Right In: -452.793+/-285.278 χ^2/NDF: 6.9/16

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: -41.732+/-266.571 χ^2/NDF: 11.8/19

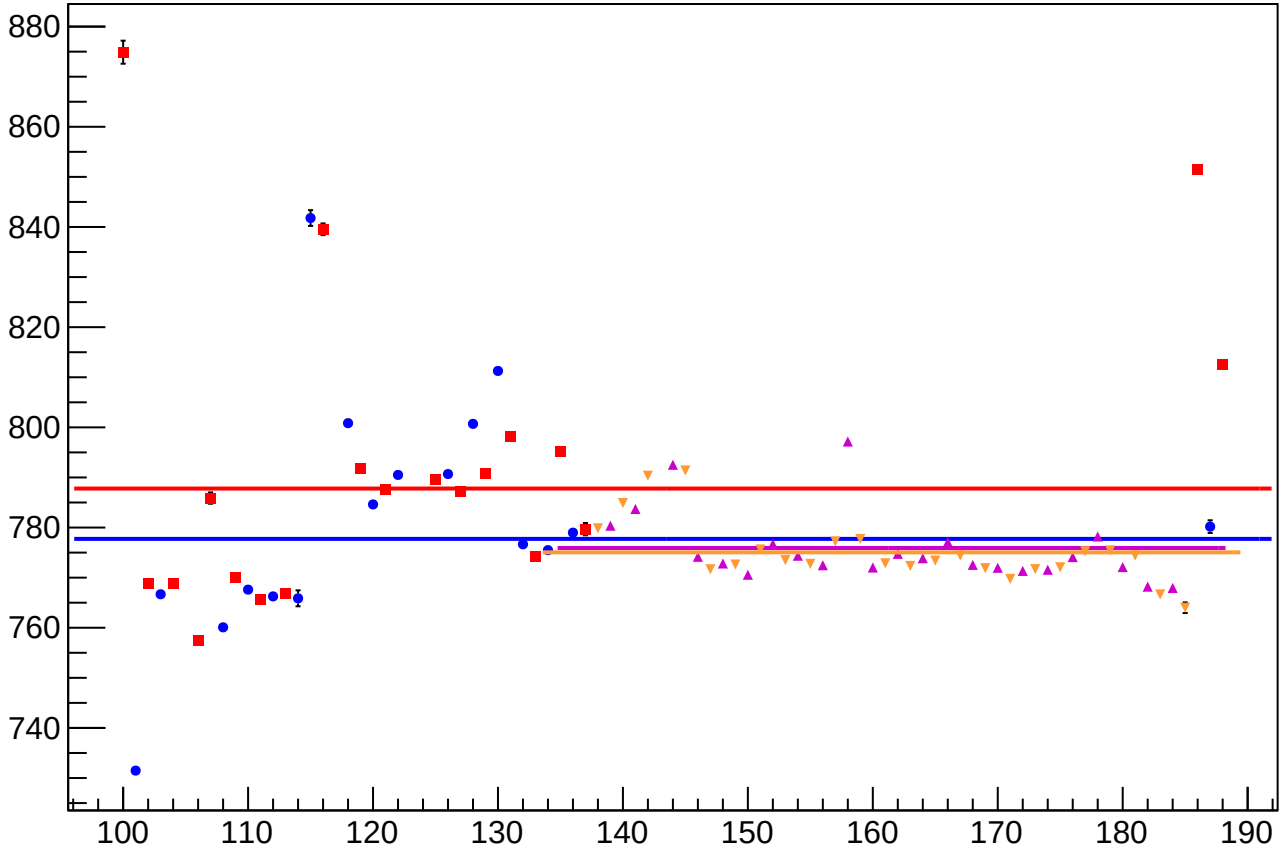
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -329.417+/-152.158 χ^2/NDF: 23.3/40

All: -94.755+/-106.763 χ^2/NDF: 62.7/83

- sign 132.807+/-149.839 χ^2/NDF: 34.8/42

cor_asym_us_dd_rms vs Slug



Right In: 777.738+/-0.202 χ^2/NDF: 12059.2/16

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

Right Out: 787.787+/-0.188 χ^2/NDF: 14926.1/19

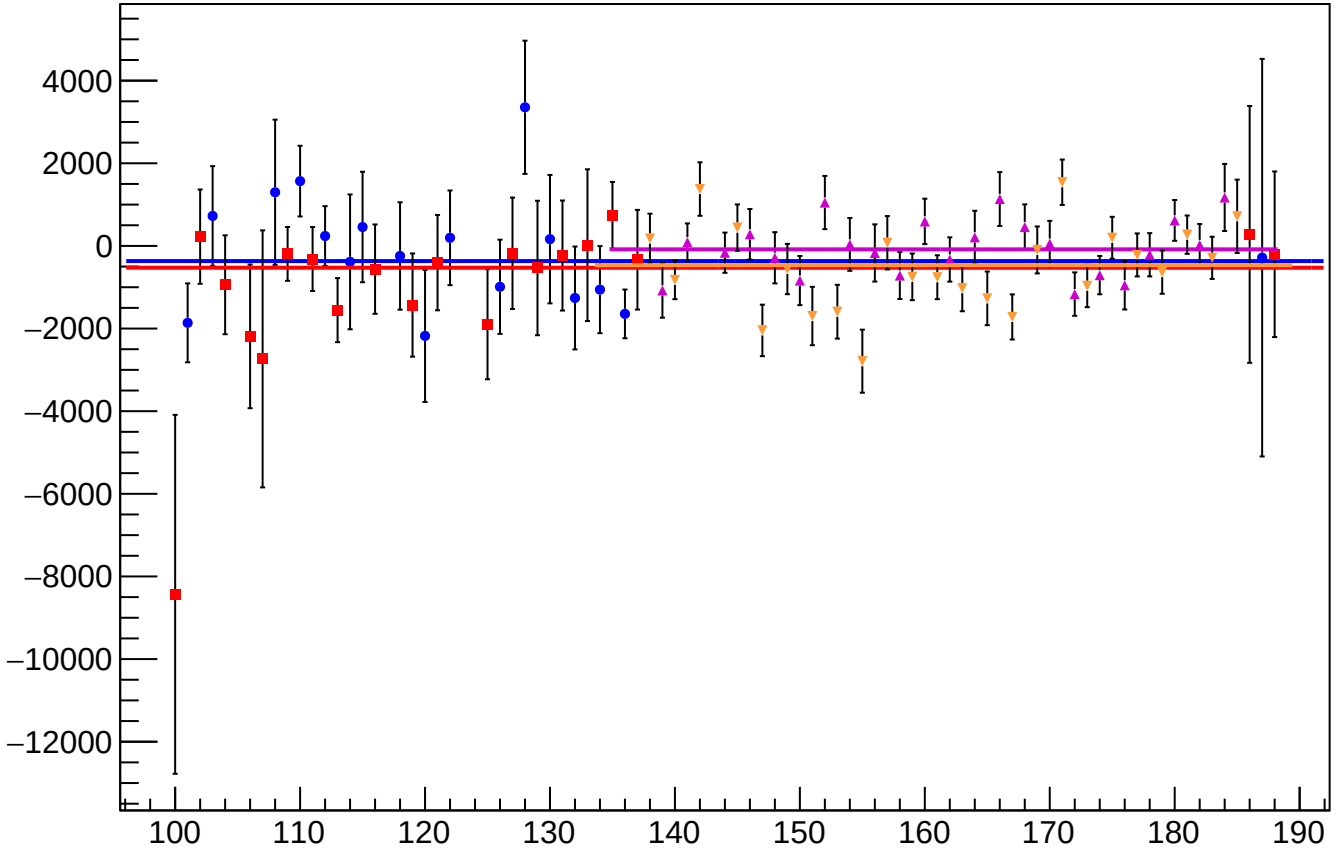
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 775.814+/-0.108 χ^2/NDF: 14137.6/40

All: 777.772+/-0.075 χ^2/NDF: 35399.4/83

- sign 779.671+/-0.106 χ^2/NDF: 20609.6/42

asym_us_dd_cor_correction_mean vs Slug



Right In: -366.756+/-266.290 χ^2/NDF: 23.3/16

Left Out: -467.151+/-116.712 χ^2/NDF:64.4/23

Right Out: -527.521+/-259.761 χ^2/NDF: 11.8/19

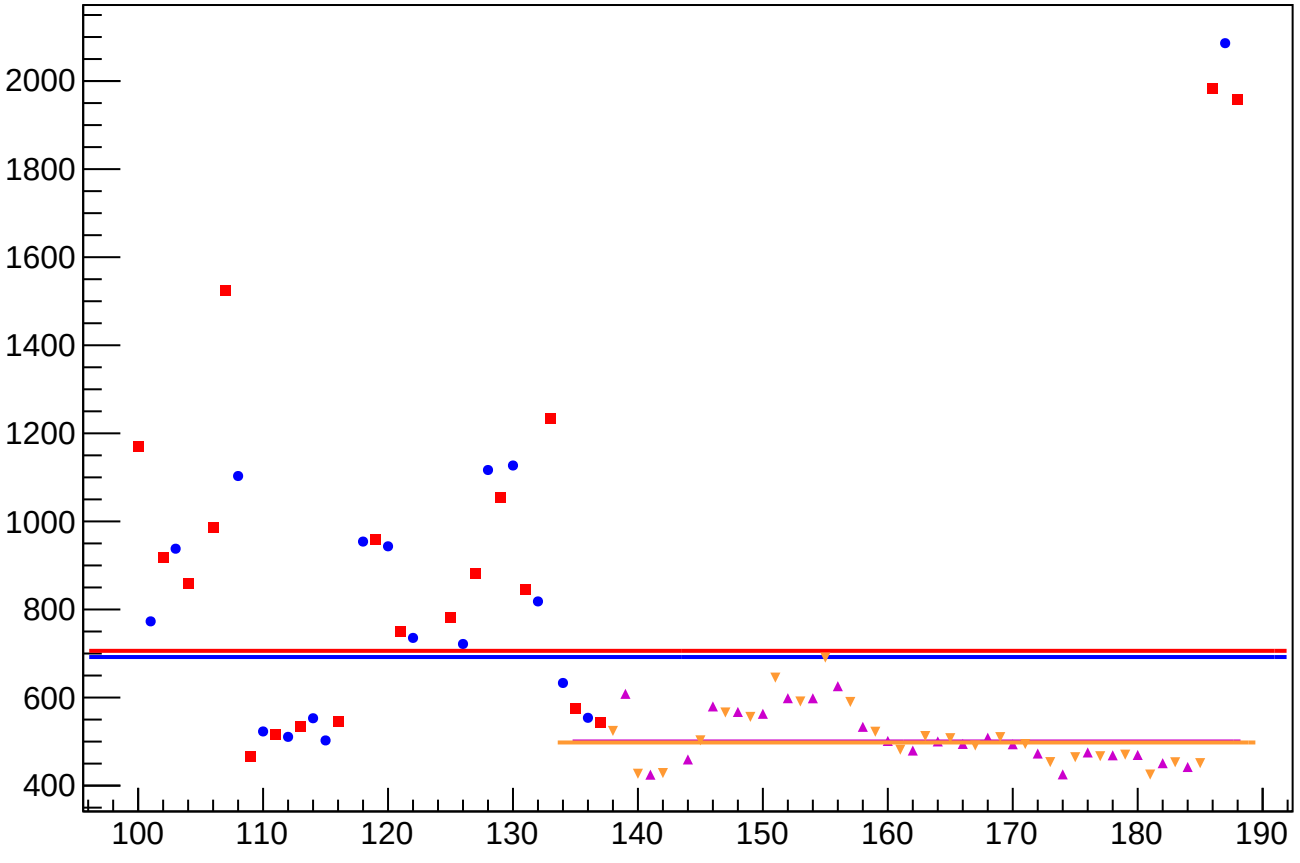
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -450.973+/-106.896 χ^2/NDF: 87.9/40

All: -305.504+/-75.726 χ^2/NDF: 133.9/83

- sign -158.961+/-107.290 χ^2/NDF: 42.3/42

asym_us_dd_cor_correction_rms vs Slug



Right In: 691.999+/-0.188 χ^2/NDF: 1200290.1/16

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

Right Out: 706.088+/-0.184 χ^2/NDF: 2457821.7/19

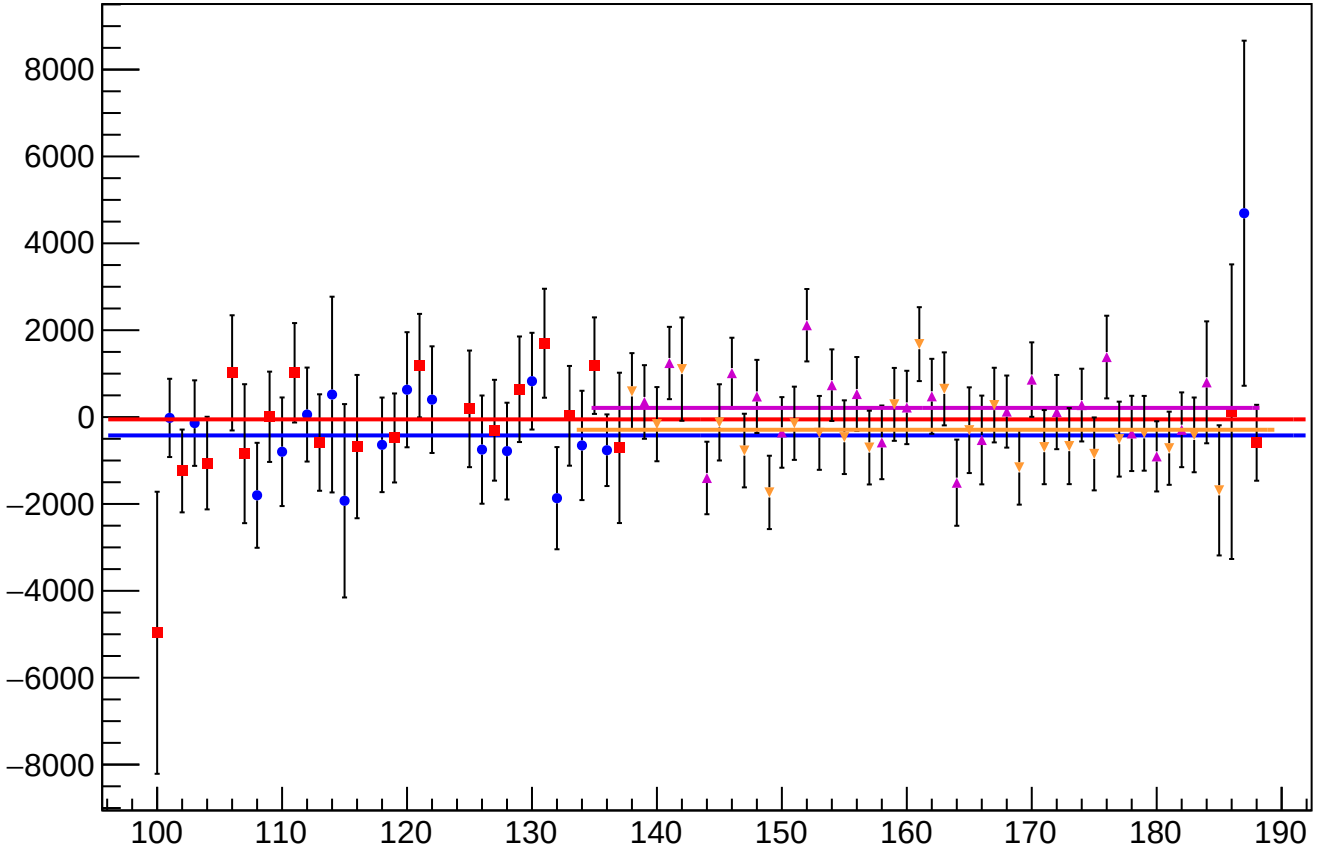
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 529.233+/-0.076 χ^2/NDF: 2618048.0/40

All: 532.311+/-0.054 χ^2/NDF: 6597609.0/83

- sign 535.412+/-0.076 χ^2/NDF: 3976232.0/42

overload_cor_asym_us_dd_mean vs Slug



Right In: -422.414+/-287.909 χ^2/NDF: 8.4/16

Left Out: -292.036+/-179.670 χ^2/NDF:16.6/23

Right Out: -52.562+/-272.478 χ^2/NDF: 12.3/19

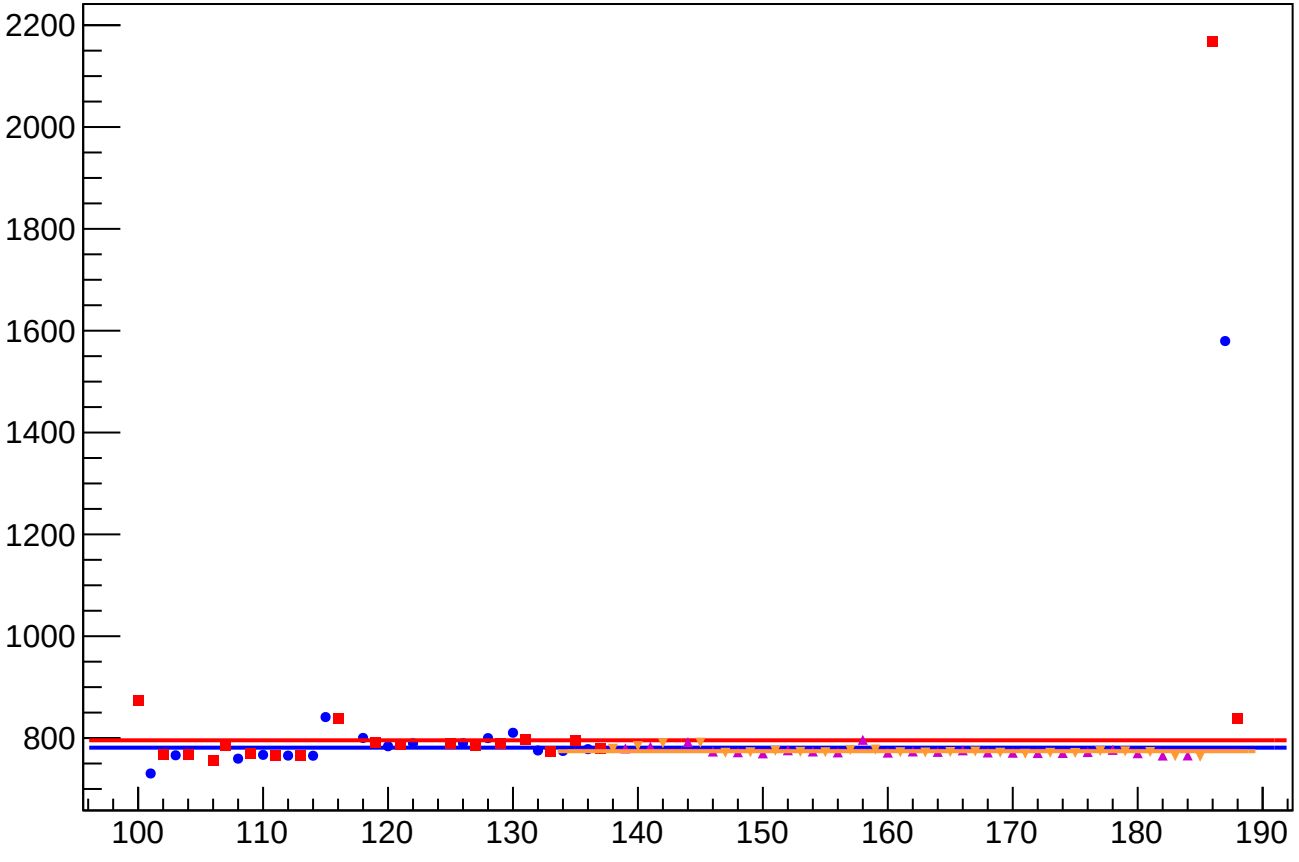
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -328.579+/-152.425 χ^2/NDF: 25.2/40

All: -96.485+/-107.180 χ^2/NDF: 64.8/83

- sign 130.503+/-150.739 χ^2/NDF: 35.0/42

overload_cor_asym_us_dd_rms vs Slug



Right In: 781.130+/-0.204 χ^2/NDF: 93378.8/16

Left Out: 774.142+/-0.127 χ^2/NDF:2060.4/23

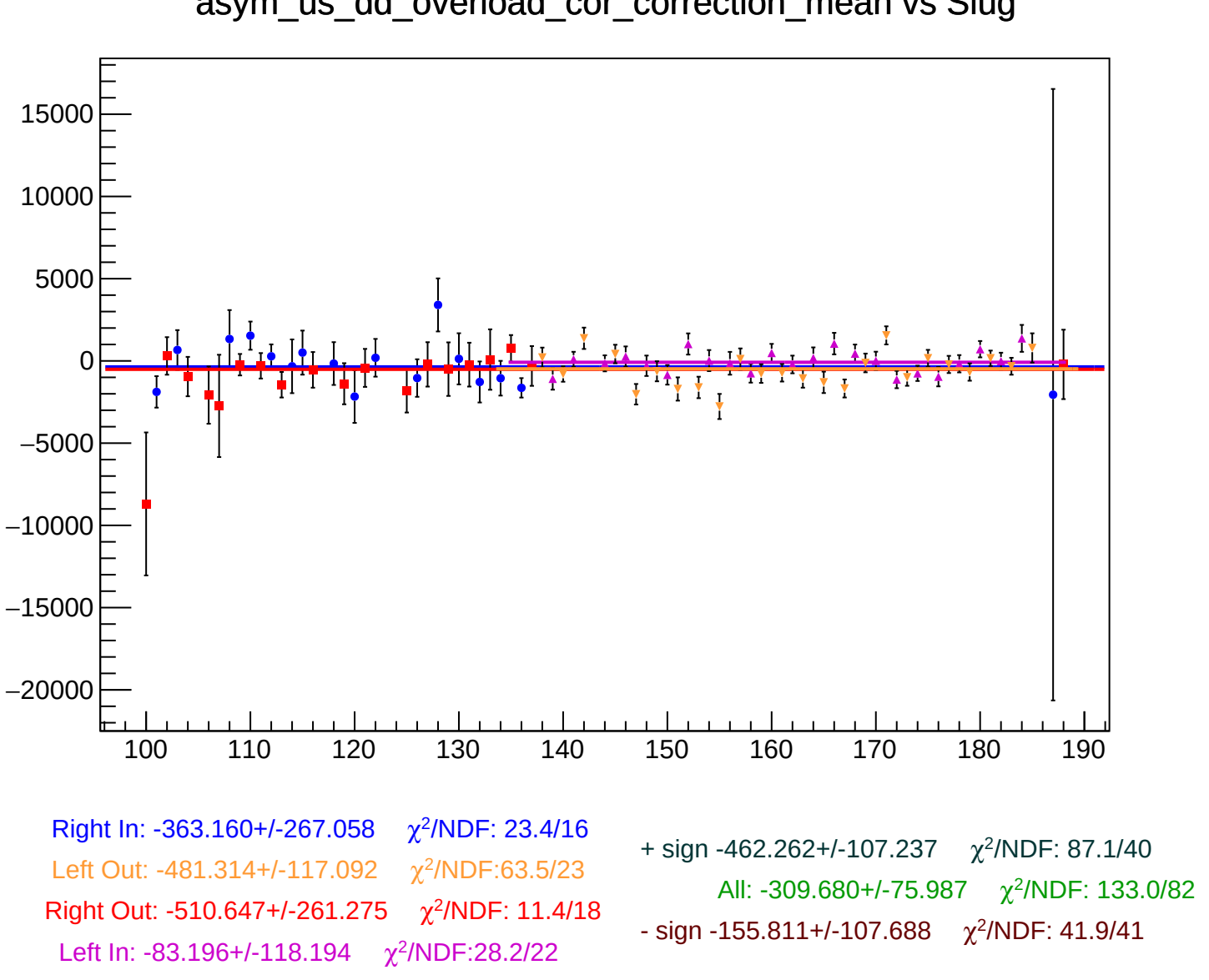
Right Out: 795.597+/-0.193 χ^2/NDF: 344651.9/19

Left In: 774.990+/-0.128 χ^2/NDF:3148.2/22

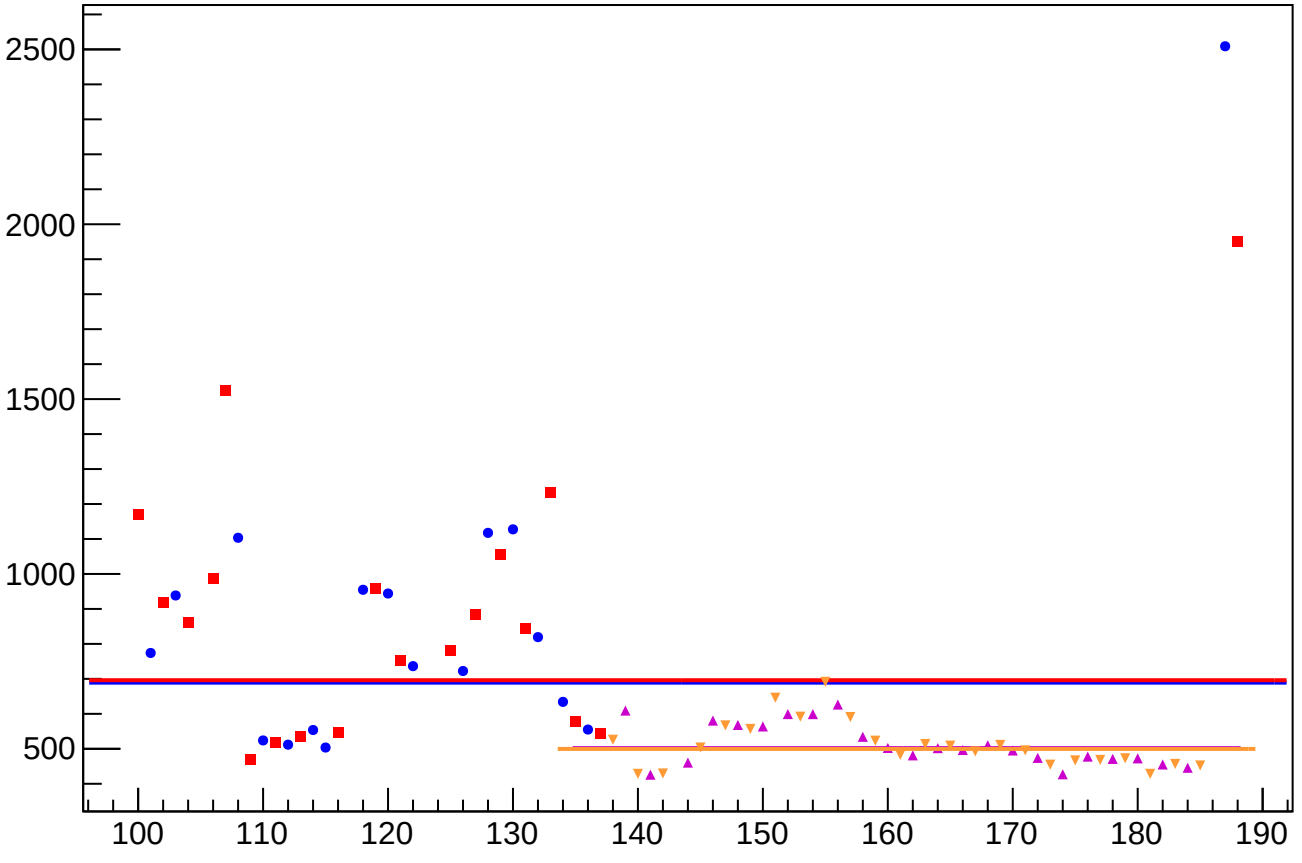
+ sign 776.100+/-0.108 χ^2/NDF: 96287.3/40

All: 778.727+/-0.076 χ^2/NDF: 453200.5/83

- sign 781.296+/-0.107 χ^2/NDF: 355738.4/42


asym_us_dd_overload_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -363.160+/-267.058 χ²/NDF: 23.4/16
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: -510.647+/-261.275 χ²/NDF: 11.4/18
Left In: -83.196+/-118.194 χ²/NDF:28.2/22
+ sign -462.262+/-107.237 χ²/NDF: 87.1/40
All: -309.680+/-75.987 χ²/NDF: 133.0/82
- sign -155.811+/-107.688 χ²/NDF: 41.9/41

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 689.204+/-0.189 χ^2/NDF: 1047287.8/16

Left Out: 499.670+/-0.083 χ^2/NDF:516314.6/23

Right Out: 696.126+/-0.185 χ^2/NDF: 2027319.7/18

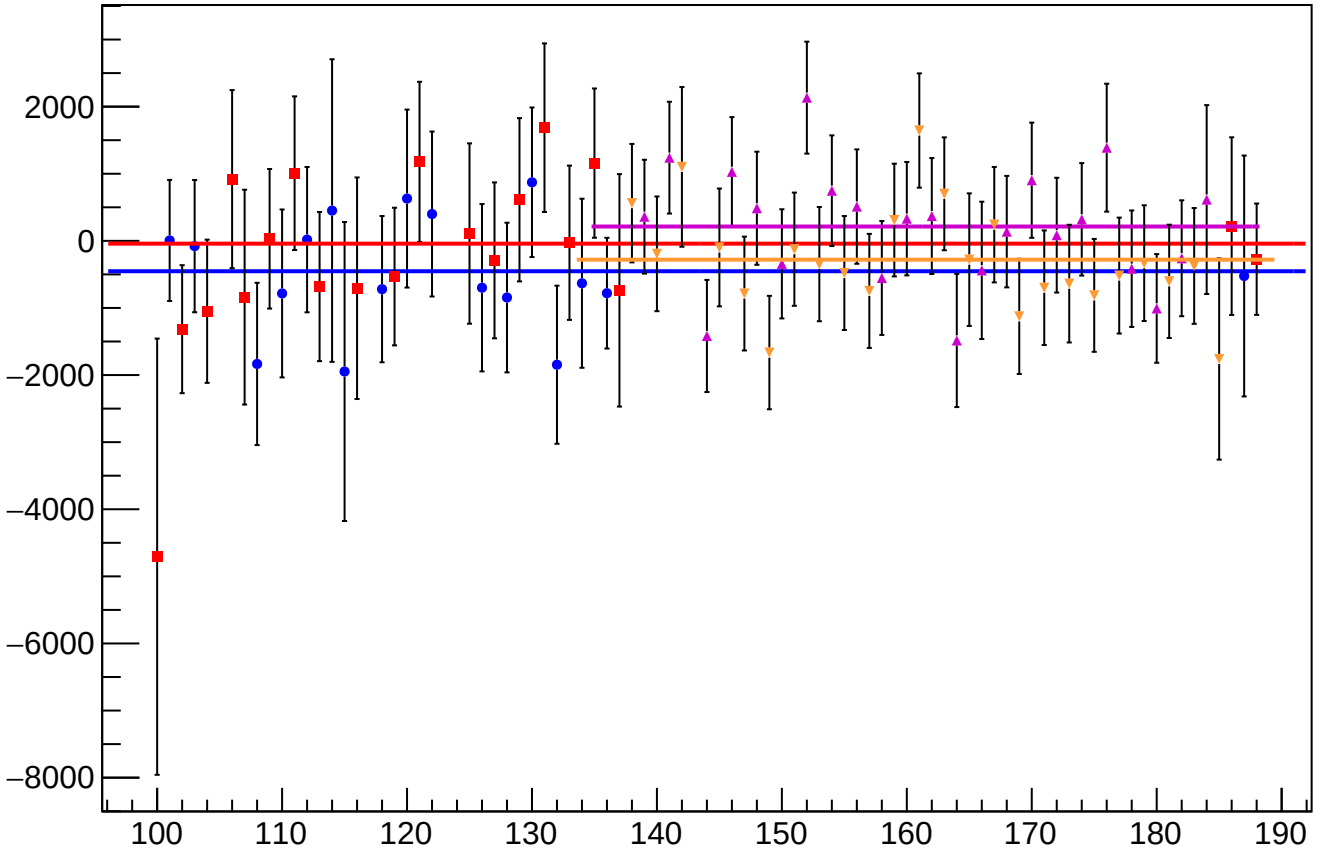
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

\+ sign 530.231+/-0.076 χ^2/NDF: 2408552.3/40

All: 532.605+/-0.054 χ^2/NDF: 5821569.6/82

\- sign 534.999+/-0.076 χ^2/NDF: 3411048.1/41

eigen_cor_asym_us_dd_mean vs Slug



Right In: -452.793+/-285.278 χ^2/NDF: 6.9/16

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

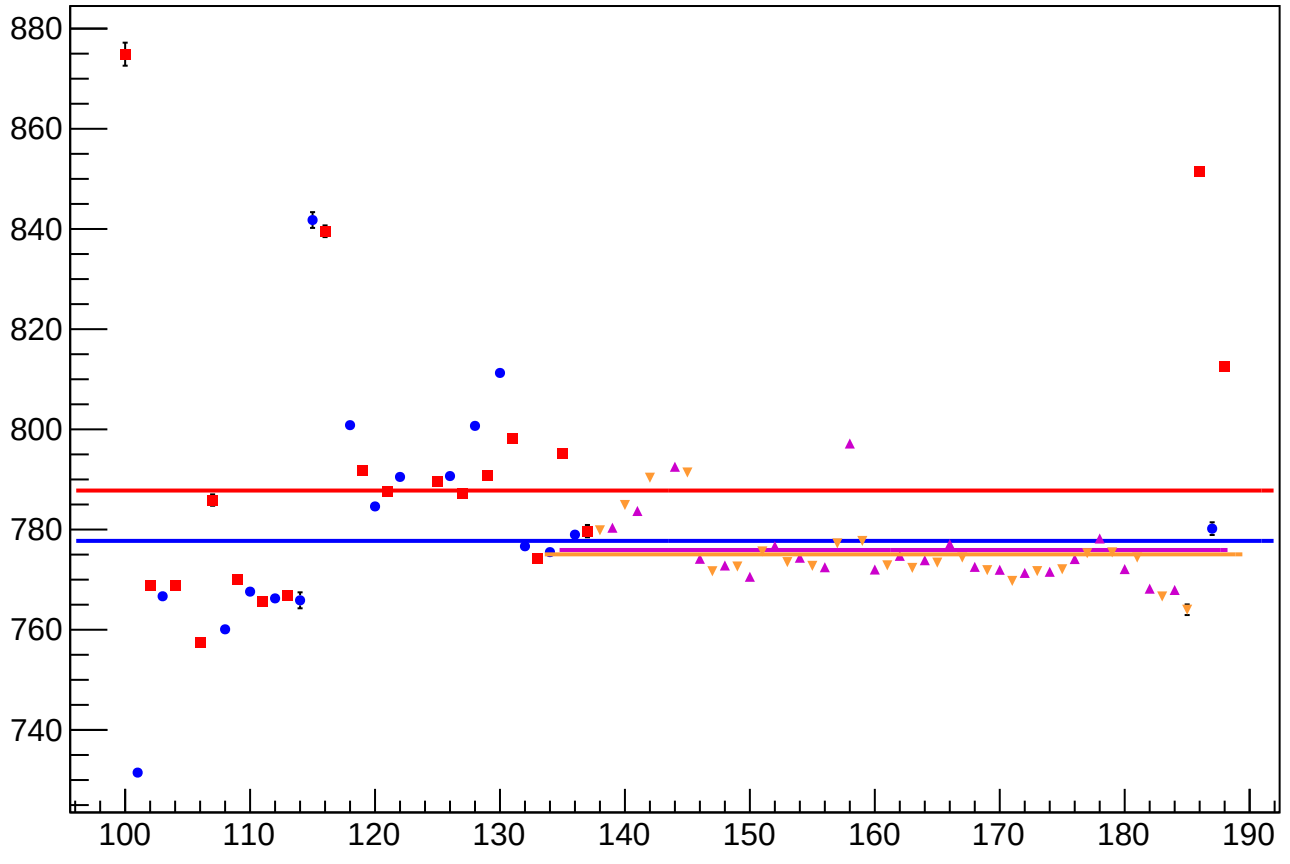
Right Out: -41.732+/-266.571 χ^2/NDF: 11.8/19

Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -329.417+/-152.158 χ^2/NDF: 23.3/40

All: -94.755+/-106.763 χ^2/NDF: 62.7/83

- sign 132.807+/-149.839 χ^2/NDF: 34.8/42



Right In: 777.738+/-0.202 χ^2/NDF: 12059.2/16

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

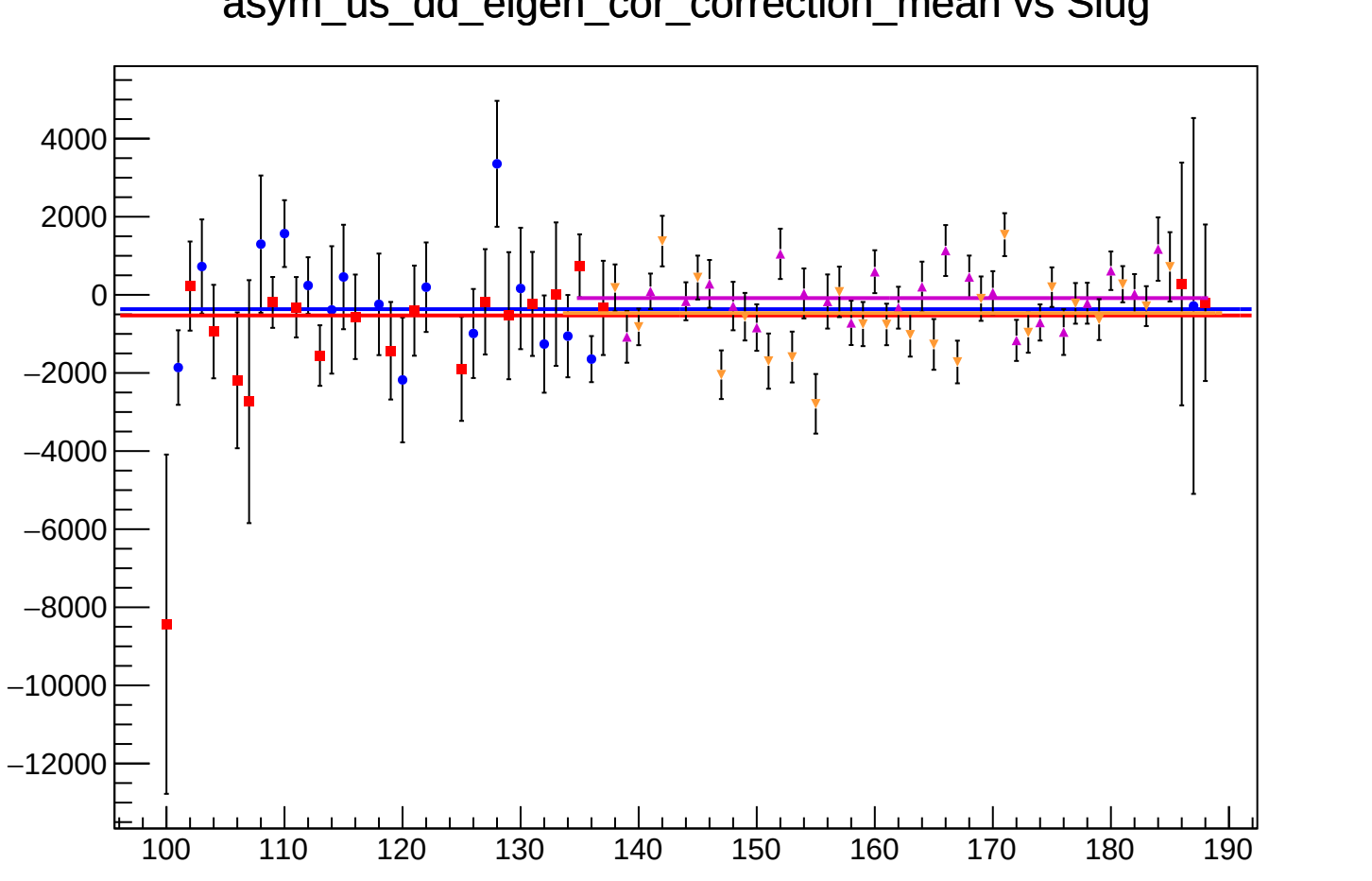
Right Out: 787.787+/-0.188 χ^2/NDF: 14926.1/19

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 775.814+/-0.108 χ^2/NDF: 14137.6/40

All: 777.772+/-0.075 χ^2/NDF: 35399.4/83

- sign 779.671+/-0.106 χ^2/NDF: 20609.6/42



Right In: -366.756+/-266.290 χ^2/NDF: 23.3/16

Left Out: -467.151+/-116.712 χ^2/NDF:64.4/23

Right Out: -527.521+/-259.761 χ^2/NDF: 11.8/19

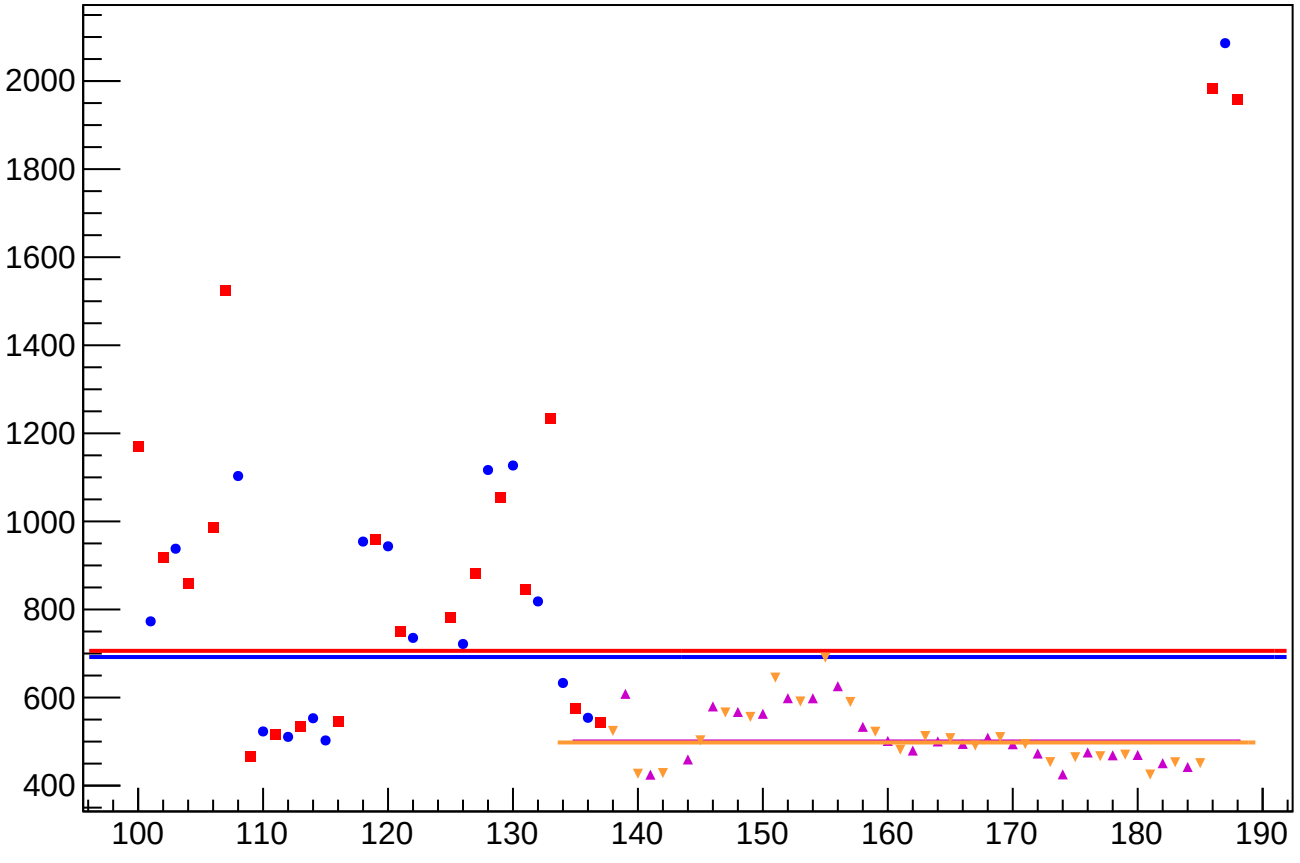
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -450.973+/-106.896 χ^2/NDF: 87.9/40

All: -305.504+/-75.726 χ^2/NDF: 133.9/83

\- sign -158.961+/-107.290 χ^2/NDF: 42.3/42

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 691.999+/-0.188 χ^2/NDF: 1200290.1/16

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

Right Out: 706.088+/-0.184 χ^2/NDF: 2457821.7/19

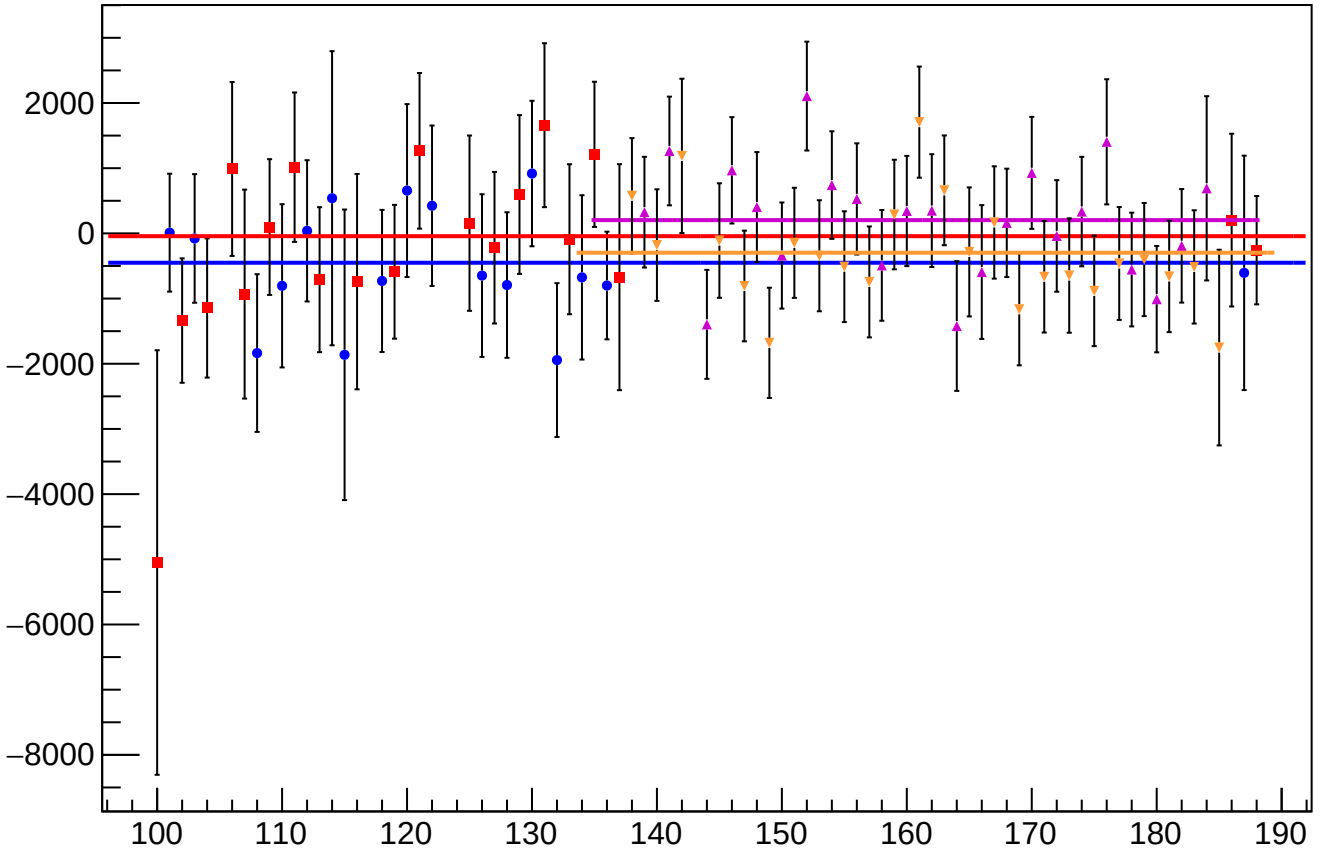
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 529.233+/-0.076 χ^2/NDF: 2618048.0/40

All: 532.311+/-0.054 χ^2/NDF: 6597609.0/83

- sign 535.412+/-0.076 χ^2/NDF: 3976232.0/42

dit_asym_us_dd_mean vs Slug



Right In: -450.674+/-285.568 χ^2/NDF: 7.3/16

Left Out: -296.771+/-180.280 χ^2/NDF:16.7/23

Right Out: -42.970+/-266.850 χ^2/NDF: 12.7/19

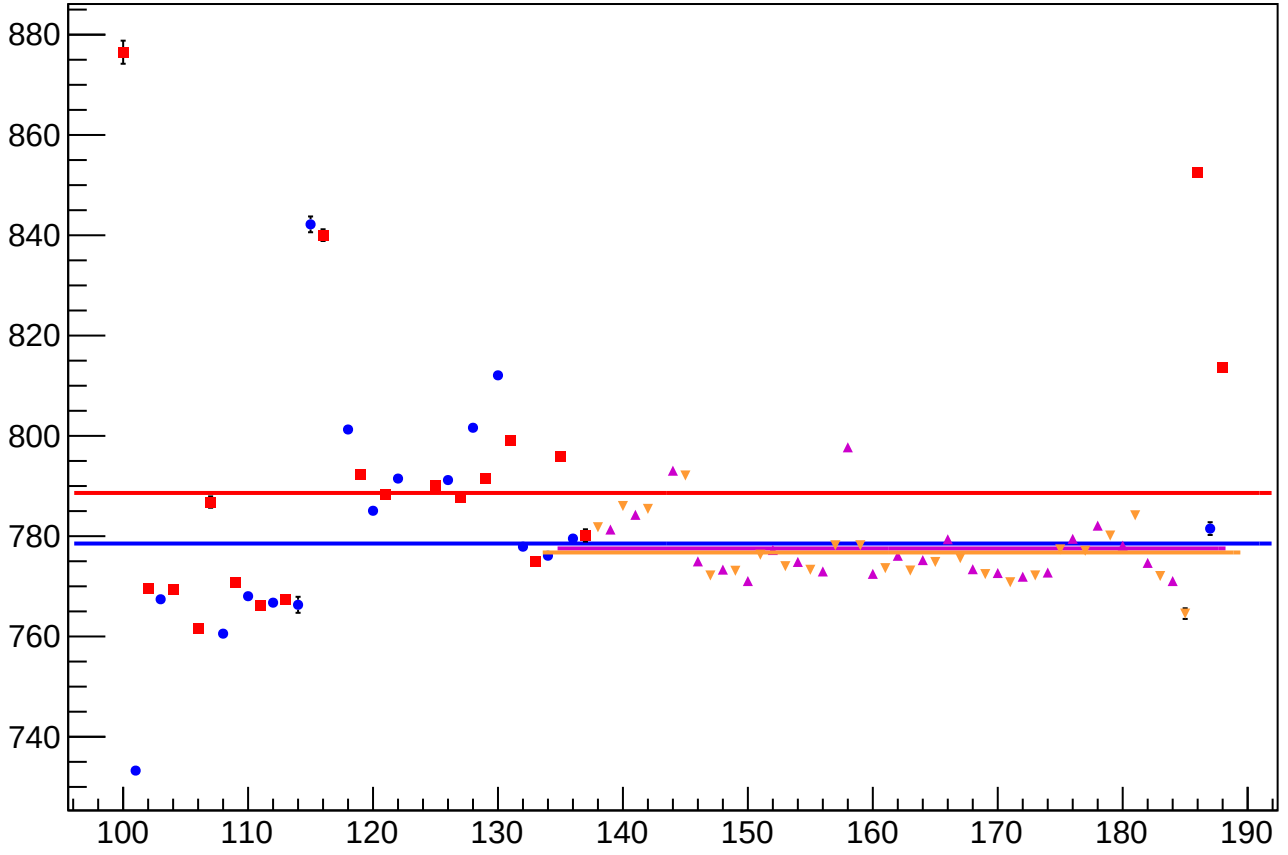
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -340.629+/-152.444 χ^2/NDF: 24.2/40

All: -104.007+/-106.957 χ^2/NDF: 64.4/83

- sign 125.405+/-150.103 χ^2/NDF: 35.4/42

dit_asym_us_dd_rms vs Slug



Right In: 778.533+/-0.202 χ^2/NDF: 11800.8/16

Left Out: 776.751+/-0.127 χ^2/NDF:1826.3/23

Right Out: 788.619+/-0.189 χ^2/NDF: 14822.6/19

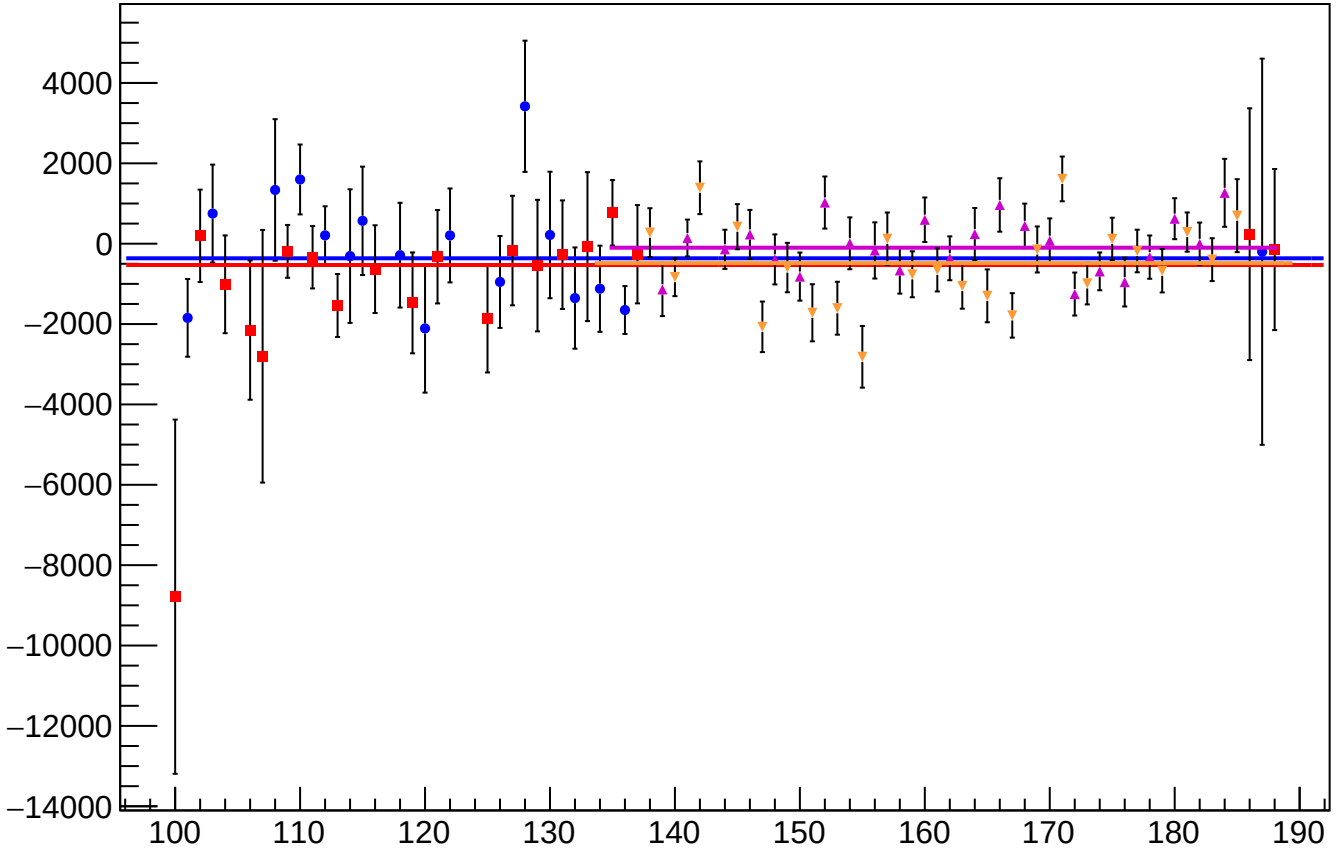
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 777.259+/-0.108 χ^2/NDF: 13682.9/40

All: 779.185+/-0.076 χ^2/NDF: 34237.4/83

- sign 781.052+/-0.106 χ^2/NDF: 19925.7/42

asym_us_dd_dit_correction_mean vs Slug



Right In: -363.464+/-268.894 χ^2/NDF: 23.3/16

Left Out: -482.886+/-118.805 χ^2/NDF:65.1/23

Right Out: -530.643+/-262.059 χ^2/NDF: 11.9/19

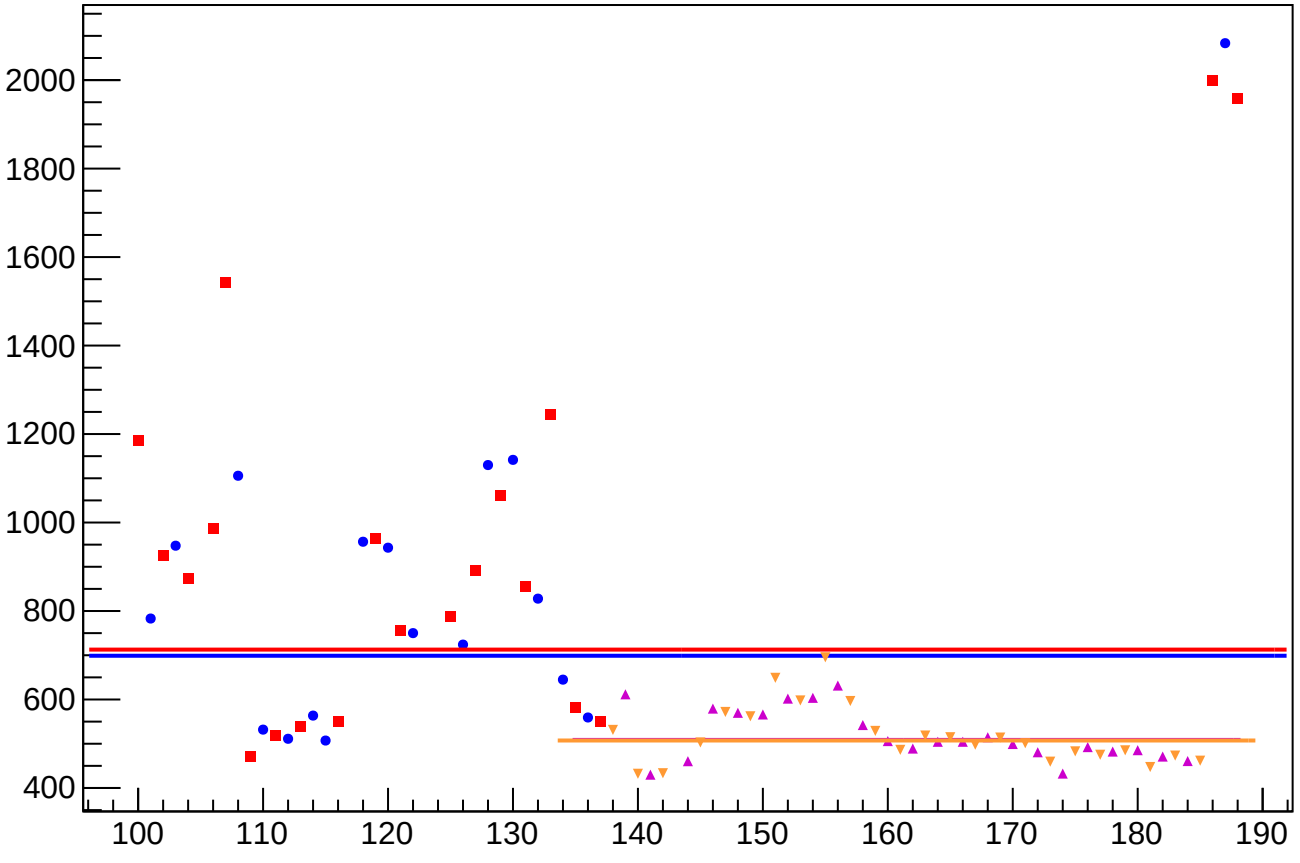
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -463.381+/-108.671 χ^2/NDF: 88.6/40

All: -319.095+/-76.909 χ^2/NDF: 133.6/83

- sign -174.302+/-108.862 χ^2/NDF: 41.5/42

asym_us_dd_dit_correction_rms vs Slug



Right In: 698.872+/-0.190 χ^2/NDF: 1196468.2/16

Left Out: 507.319+/-0.084 χ^2/NDF:473982.3/23

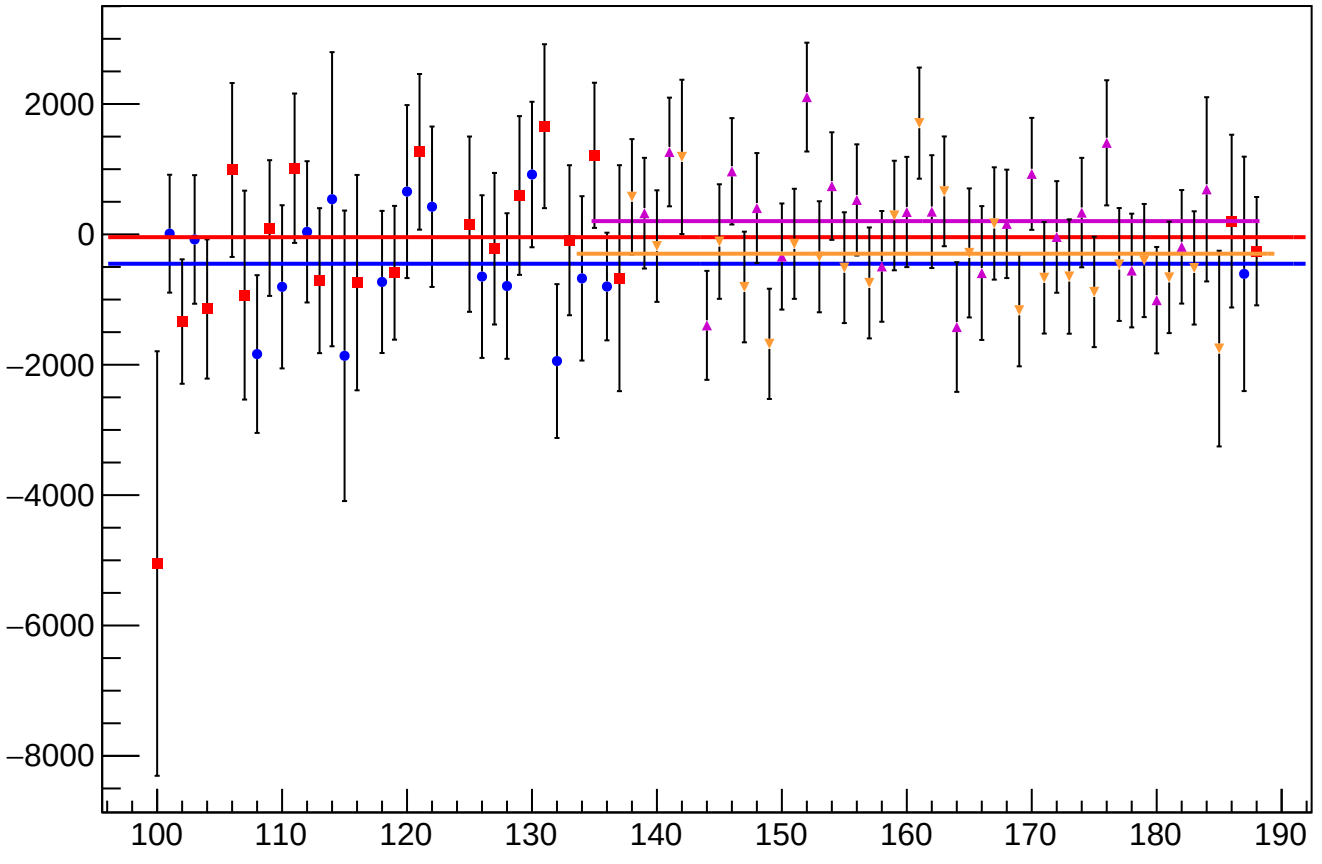
Right Out: 712.781+/-0.185 χ^2/NDF: 2448198.2/19

Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

+ sign 538.605+/-0.077 χ^2/NDF: 2519632.8/40

All: 541.231+/-0.054 χ^2/NDF: 6406845.3/83

- sign 543.866+/-0.077 χ^2/NDF: 3884872.7/42



Right In: -450.674+/-285.567 χ^2/NDF: 7.3/16

Left Out: -296.771+/-180.280 χ^2/NDF:16.7/23

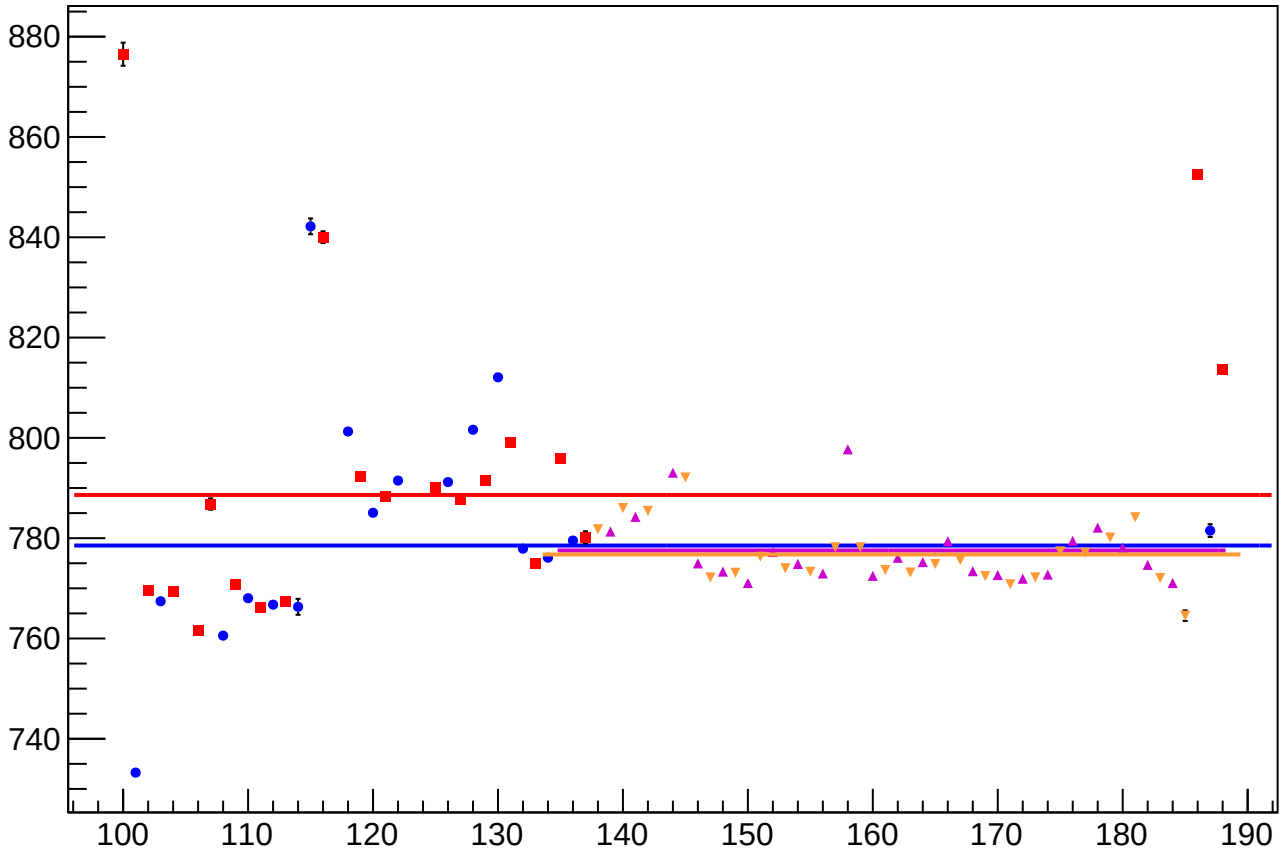
Right Out: -42.969+/-266.850 χ^2/NDF: 12.7/19

Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

\+ sign -340.629+/-152.444 χ^2/NDF: 24.2/40

All: -104.008+/-106.957 χ^2/NDF: 64.4/83

\- sign 125.405+/-150.103 χ^2/NDF: 35.4/42



Right In: 778.533+/-0.202 χ^2/NDF: 11800.8/16

Left Out: 776.751+/-0.127 χ^2/NDF:1826.3/23

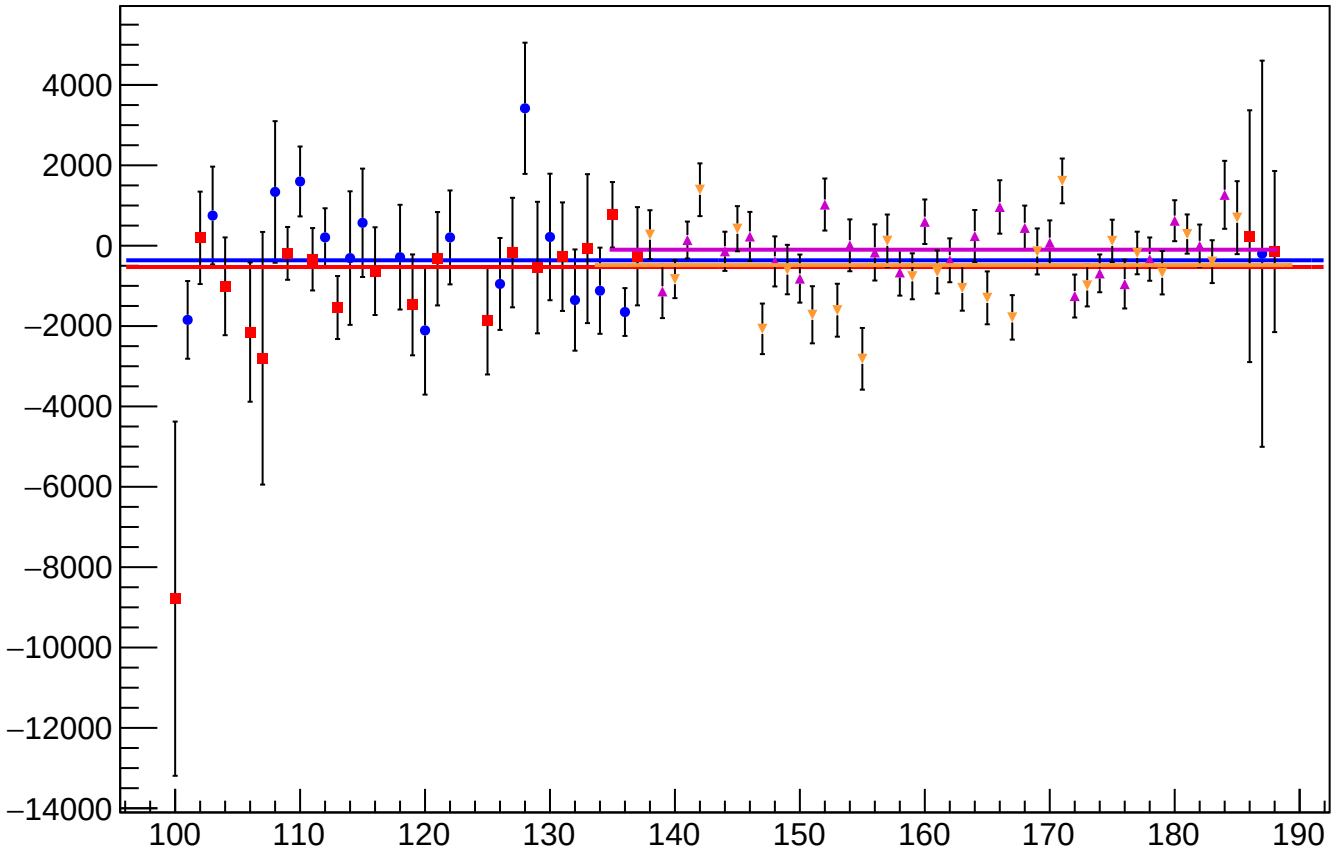
Right Out: 788.619+/-0.189 χ^2/NDF: 14822.6/19

Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

\+ sign 777.259+/-0.108 χ^2/NDF: 13682.8/40

All: 779.185+/-0.076 χ^2/NDF: 34237.3/83

\- sign 781.052+/-0.106 χ^2/NDF: 19925.7/42



Right In: -363.459+/-268.892 χ^2/NDF: 23.3/16

Left Out: -482.886+/-118.806 χ^2/NDF:65.1/23

Right Out: -530.642+/-262.058 χ^2/NDF: 11.9/19

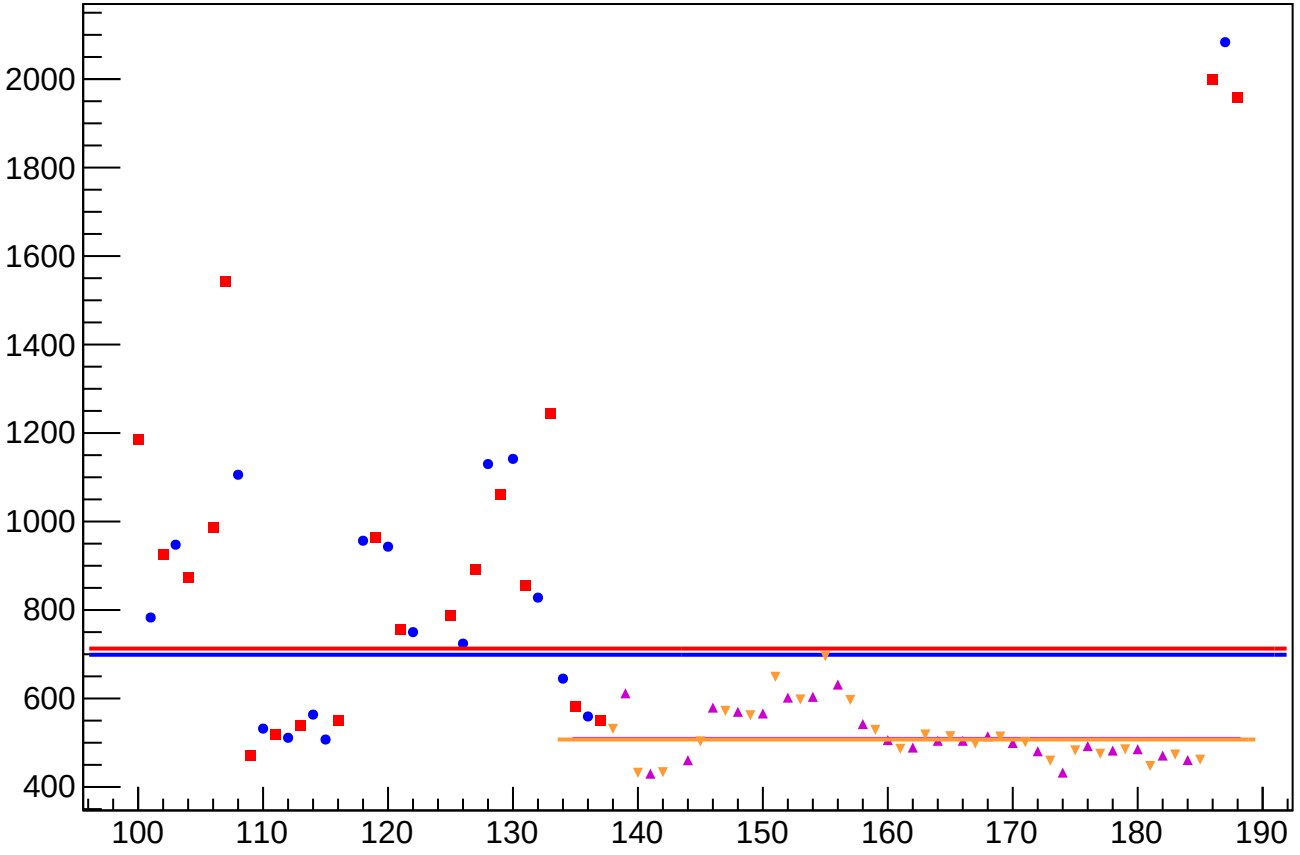
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -463.380+/-108.671 χ^2/NDF: 88.6/40

All: -319.095+/-76.909 χ^2/NDF: 133.6/83

- sign -174.302+/-108.862 χ^2/NDF: 41.5/42

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 698.868+/-0.190 χ^2/NDF: 1196480.5/16

Left Out: 507.319+/-0.084 χ^2/NDF:473992.3/23

Right Out: 712.777+/-0.185 χ^2/NDF: 2448221.6/19

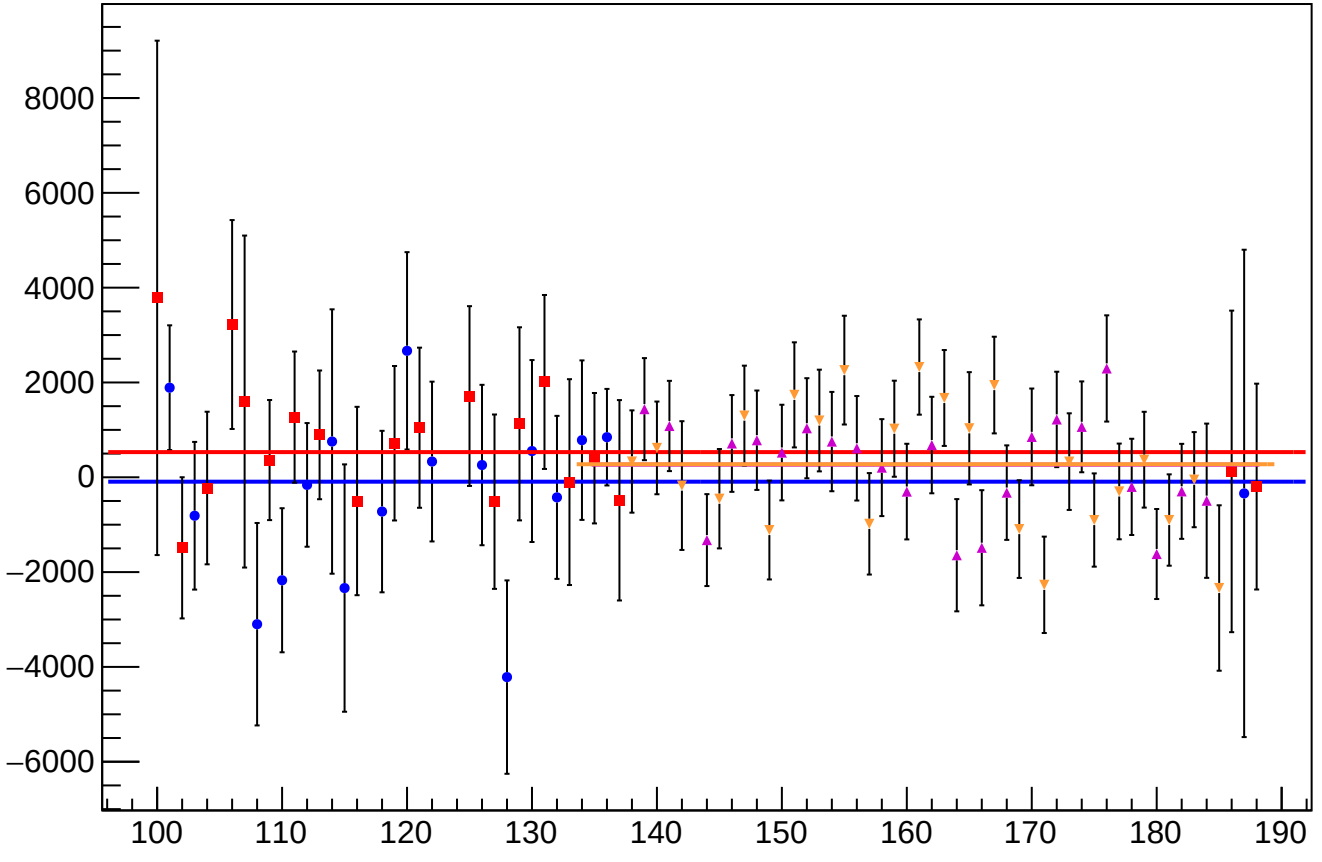
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

\+ sign 538.605+/-0.077 χ^2/NDF: 2519628.5/40

All: 541.231+/-0.054 χ^2/NDF: 6406852.4/83

\- sign 543.866+/-0.077 χ^2/NDF: 3884884.4/42

asym_us_dd_mean vs Slug



Right In: -92.877+/-408.659 χ^2/NDF: 14.5/16

Left Out: 275.181+/-216.290 χ^2/NDF:33.6/23

Right Out: 531.160+/-401.519 χ^2/NDF: 6.7/19

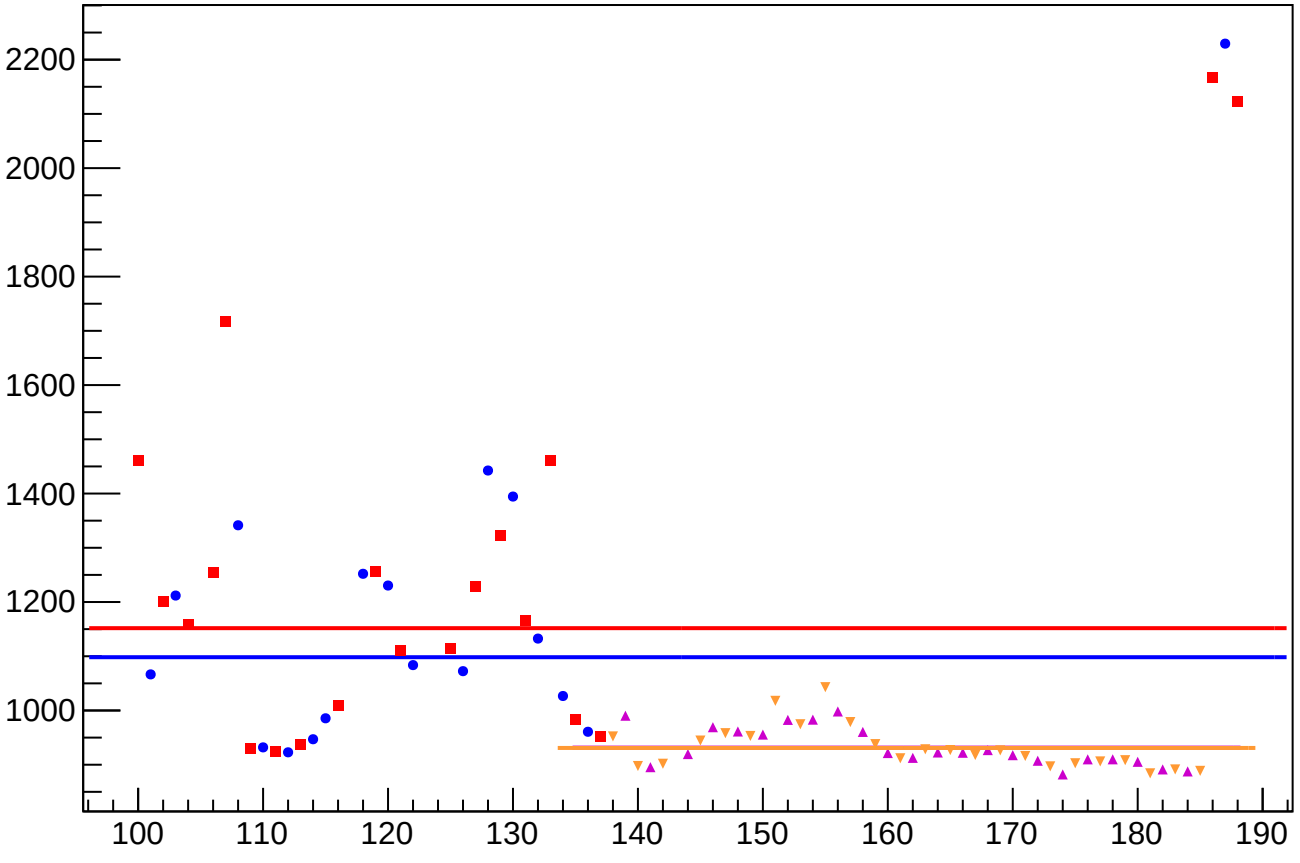
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 194.641+/-191.166 χ^2/NDF: 48.8/40

All: 260.776+/-135.247 χ^2/NDF: 77.4/83

- sign 327.053+/-191.370 χ^2/NDF: 28.4/42

asym_us_dd_rms vs Slug



Right In: 1098.237+/-0.289 χ^2/NDF: 374796.1/16

Left Out: 930.922+/-0.153 χ^2/NDF:61953.0/23

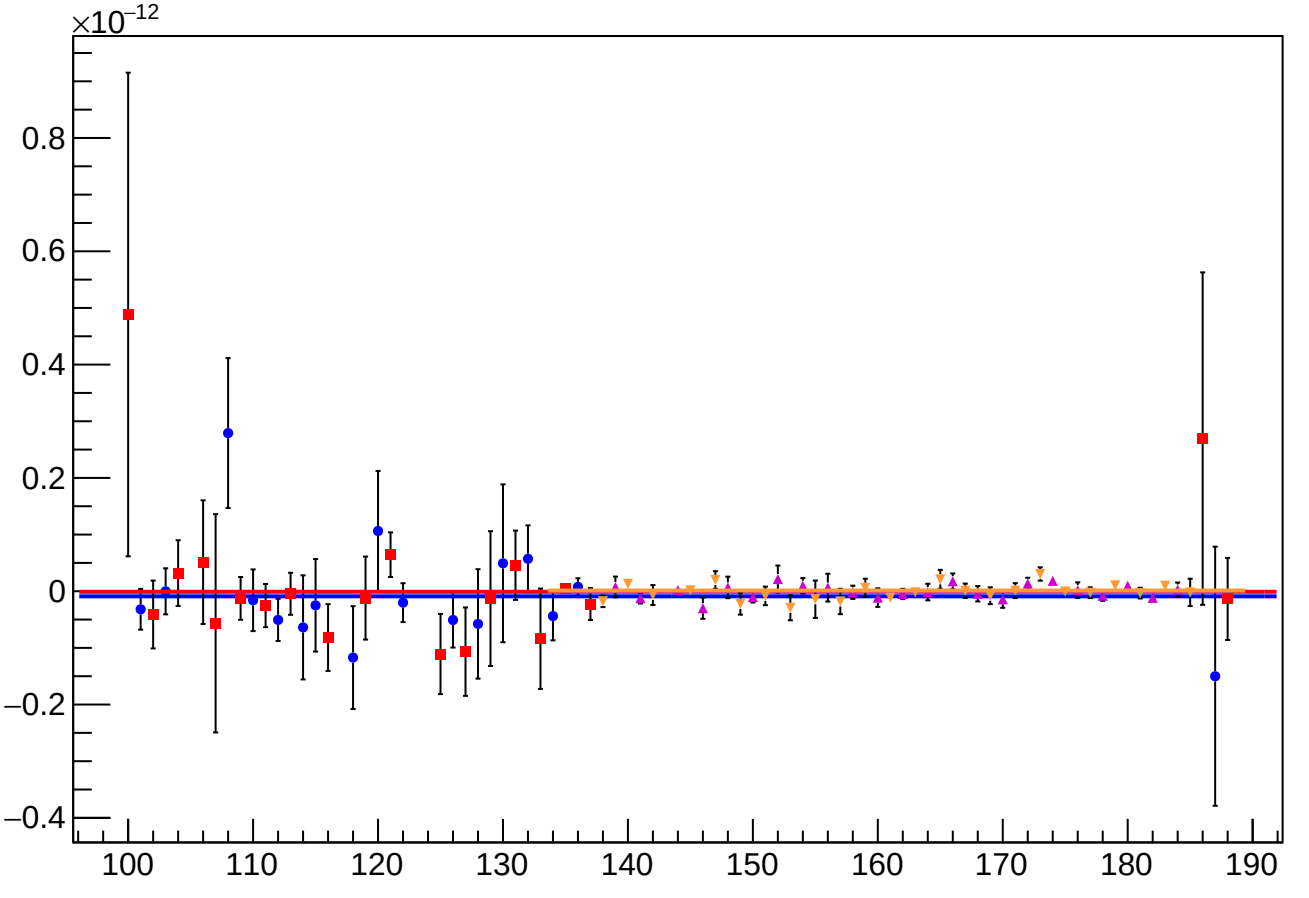
Right Out: 1151.787+/-0.284 χ^2/NDF: 936466.1/19

Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 967.535+/-0.135 χ^2/NDF: 698641.8/40

All: 974.554+/-0.096 χ^2/NDF: 2154407.9/83

- sign 981.589+/-0.135 χ^2/NDF: 1450367.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 14.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/19

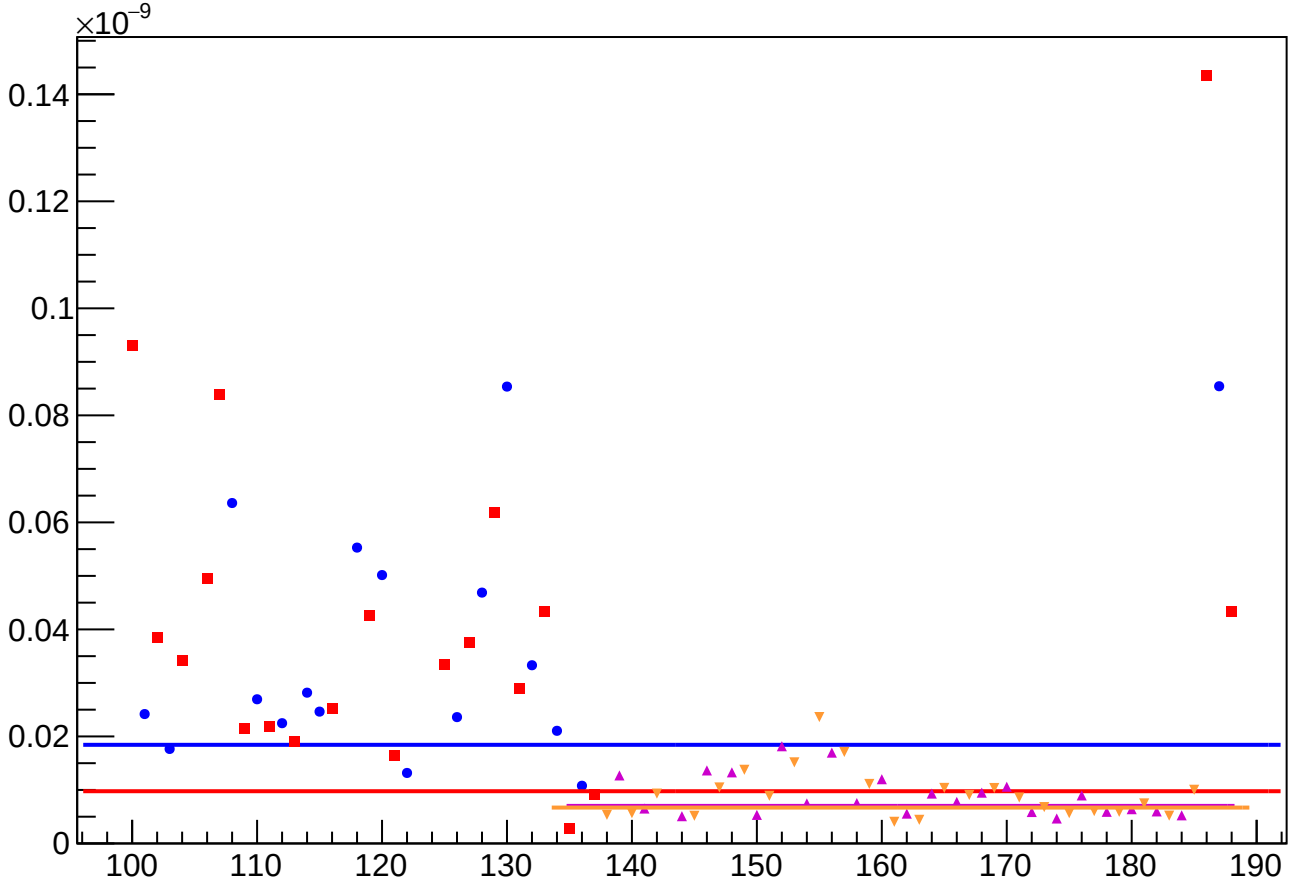
Left In: 0.000+/-0.000 χ^2/NDF:22.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.9/40

All: 0.000+/-0.000 χ^2/NDF: 78.2/83

- sign 0.000+/-0.000 χ^2/NDF: 37.3/42

asym_us_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2414628.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2928195.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5993902.5/19

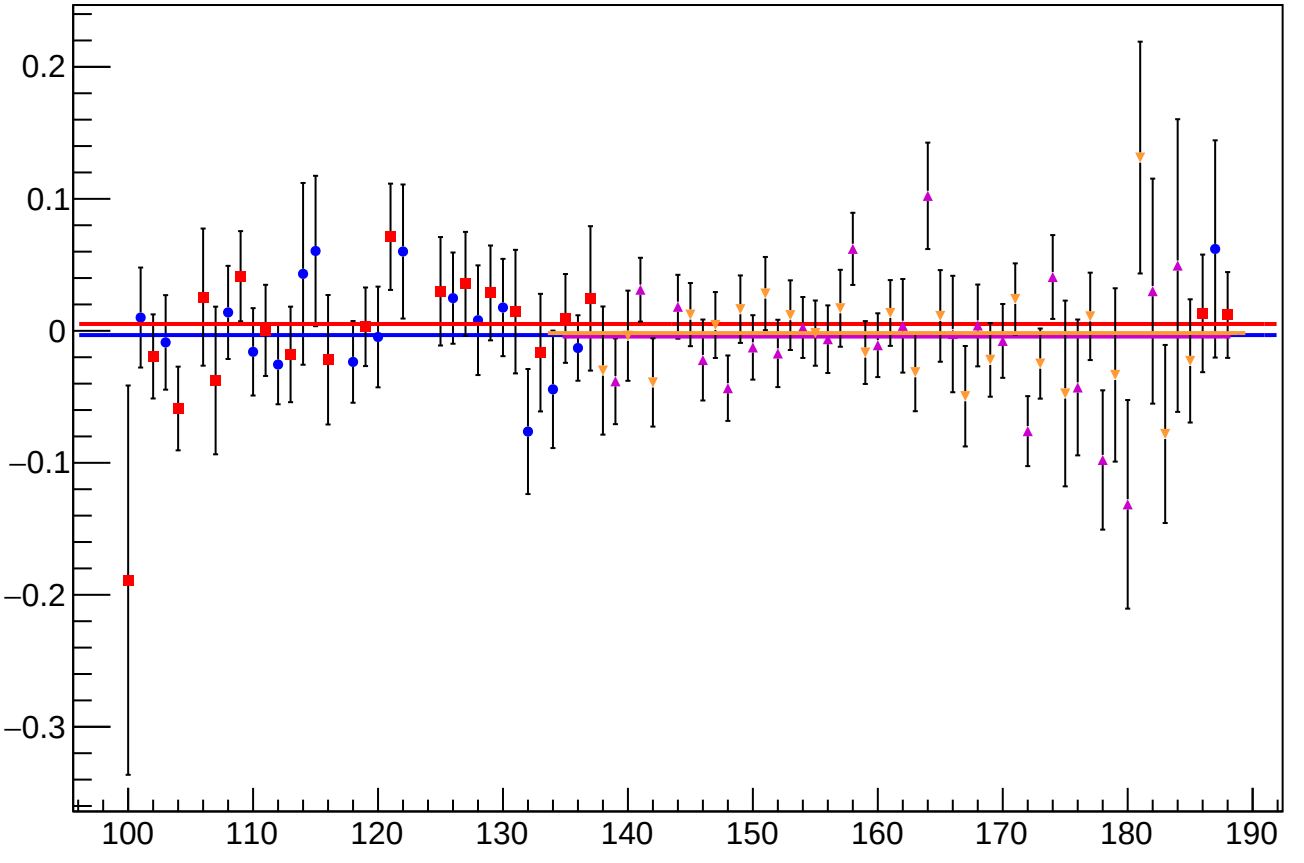
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7849810.3/40

All: 0.000+/-0.000 χ^2/NDF: 16546257.8/83

- sign 0.000+/-0.000 χ^2/NDF: 8696269.2/42

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: 0.005+/-0.009 χ^2/NDF: 13.6/19

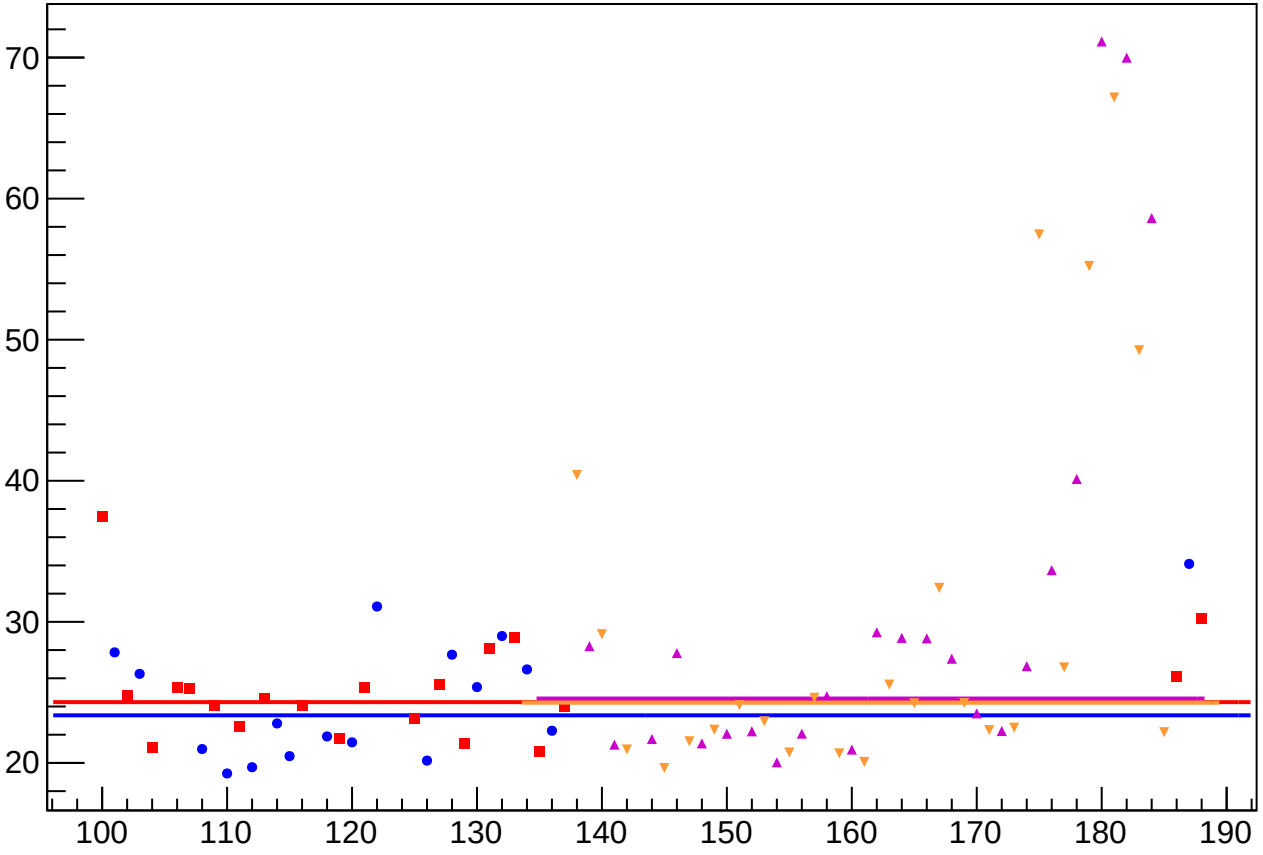
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 24.5/40

All: -0.002+/-0.004 χ^2/NDF: 75.4/83

- sign -0.001+/-0.005 χ^2/NDF: 50.9/42

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.374+/-0.007 χ^2/NDF: 293693.1/16

Left Out: 24.275+/-0.004 χ^2/NDF:2310679.0/23

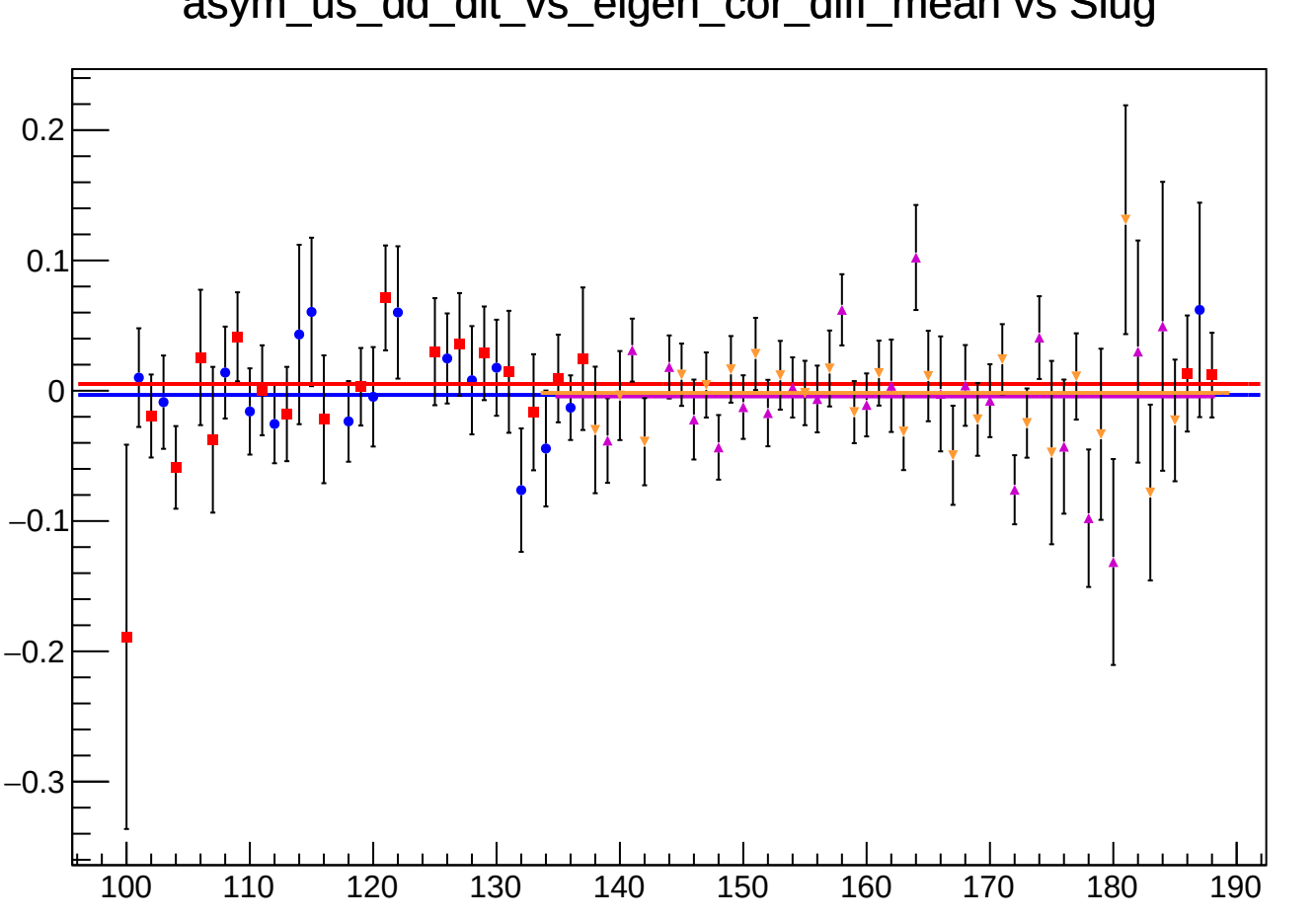
Right Out: 24.308+/-0.006 χ^2/NDF: 203774.1/19

Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

\+ sign 23.985+/-0.004 χ^2/NDF: 2617361.7/40

All: 24.233+/-0.003 χ^2/NDF: 4964112.0/83

\- sign 24.476+/-0.004 χ^2/NDF: 2337805.5/42



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: 0.005+/-0.009 χ^2/NDF: 13.6/19

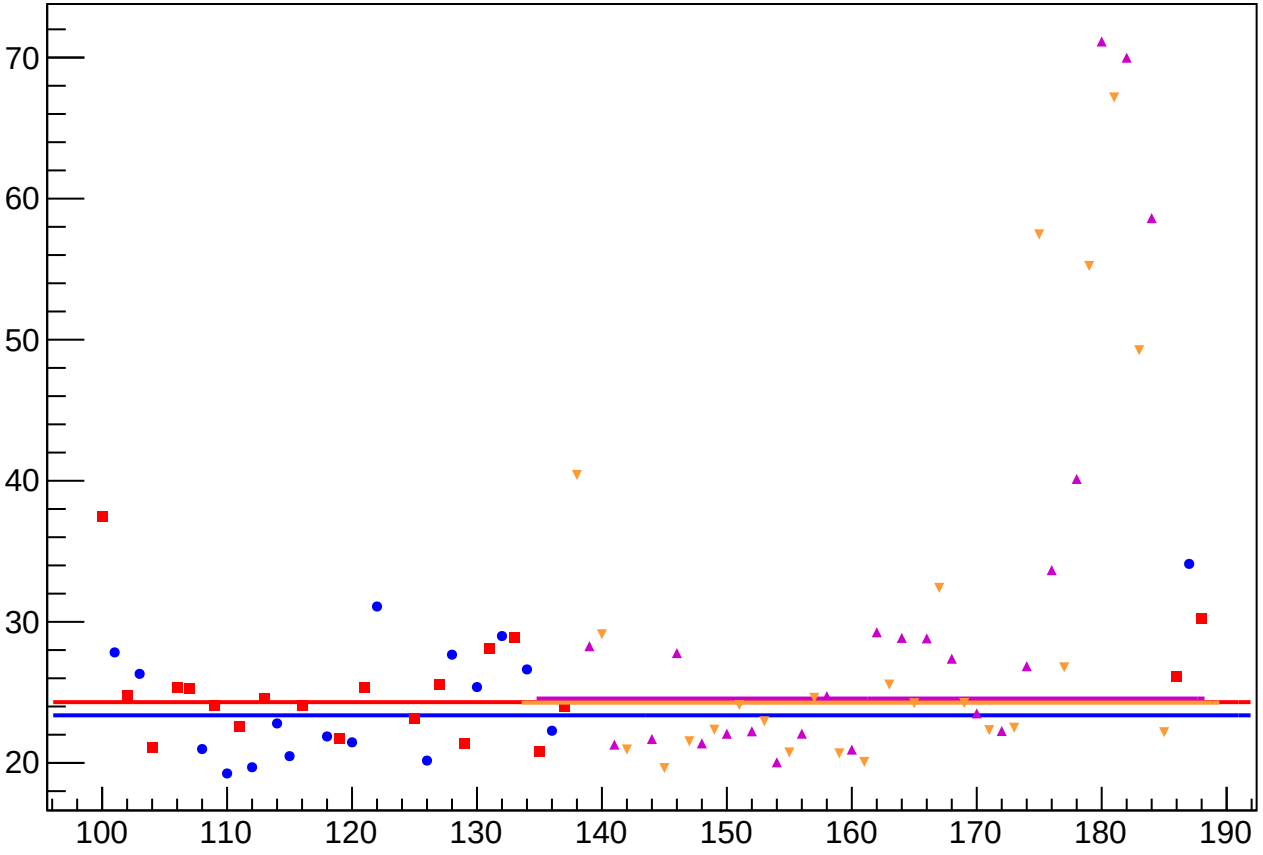
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 24.5/40

All: -0.002+/-0.004 χ^2/NDF: 75.4/83

- sign -0.001+/-0.005 χ^2/NDF: 50.9/42

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.374+/-0.007 χ^2/NDF: 293693.1/16

Left Out: 24.275+/-0.004 χ^2/NDF:2310679.0/23

Right Out: 24.308+/-0.006 χ^2/NDF: 203774.1/19

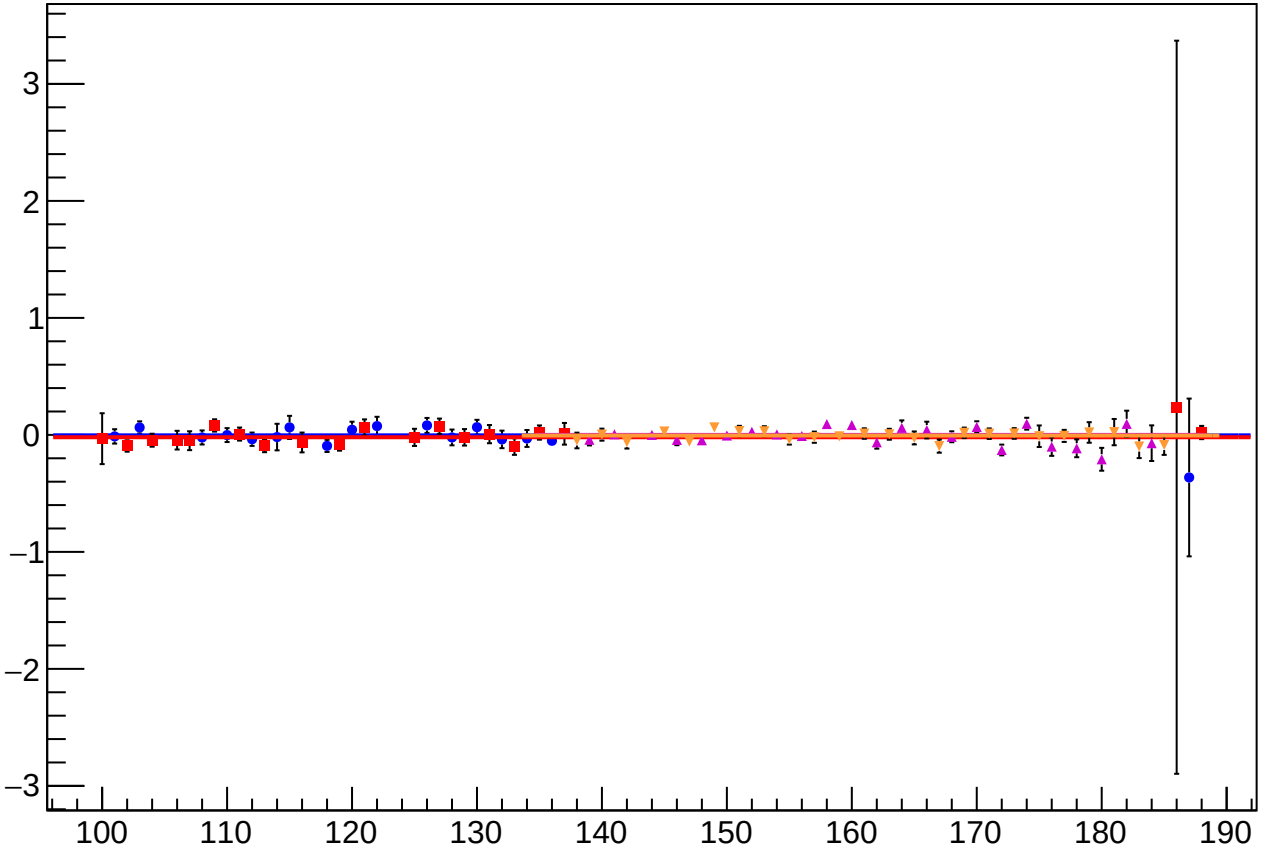
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 23.985+/-0.004 χ^2/NDF: 2617361.7/40

All: 24.233+/-0.003 χ^2/NDF: 4964112.0/83

- sign 24.476+/-0.004 χ^2/NDF: 2337805.5/42

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.004+/-0.016 χ^2/NDF: 11.9/16

Left Out: -0.005+/-0.010 χ^2/NDF:13.9/23

Right Out: -0.020+/-0.015 χ^2/NDF: 15.9/19

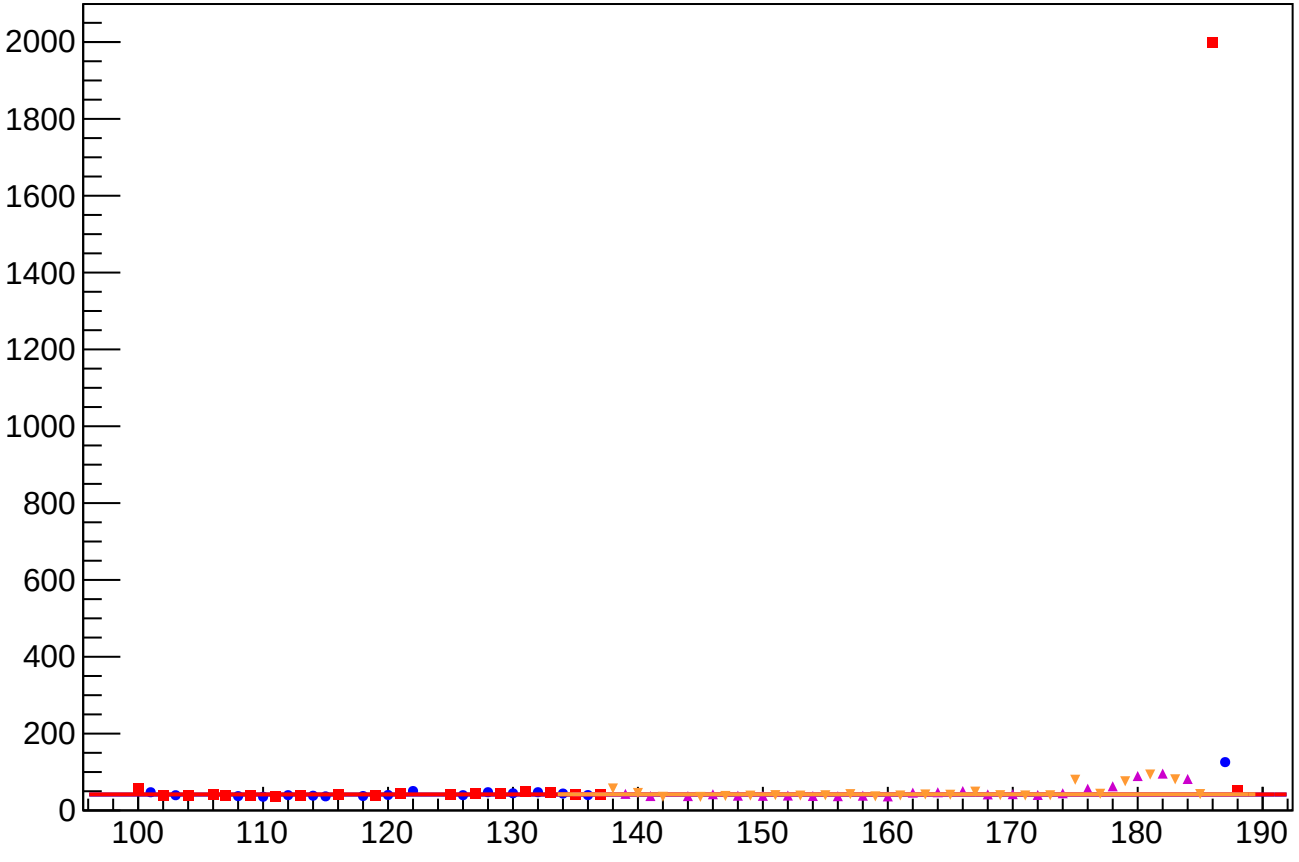
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.005+/-0.009 χ^2/NDF: 25.8/40

All: -0.006+/-0.006 χ^2/NDF: 80.9/83

- sign -0.007+/-0.009 χ^2/NDF: 55.1/42

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.288+/-0.011 χ^2/NDF: 166710.1/16

Left Out: 42.088+/-0.007 χ^2/NDF:1716047.0/23

Right Out: 41.829+/-0.011 χ^2/NDF: 939981.3/19

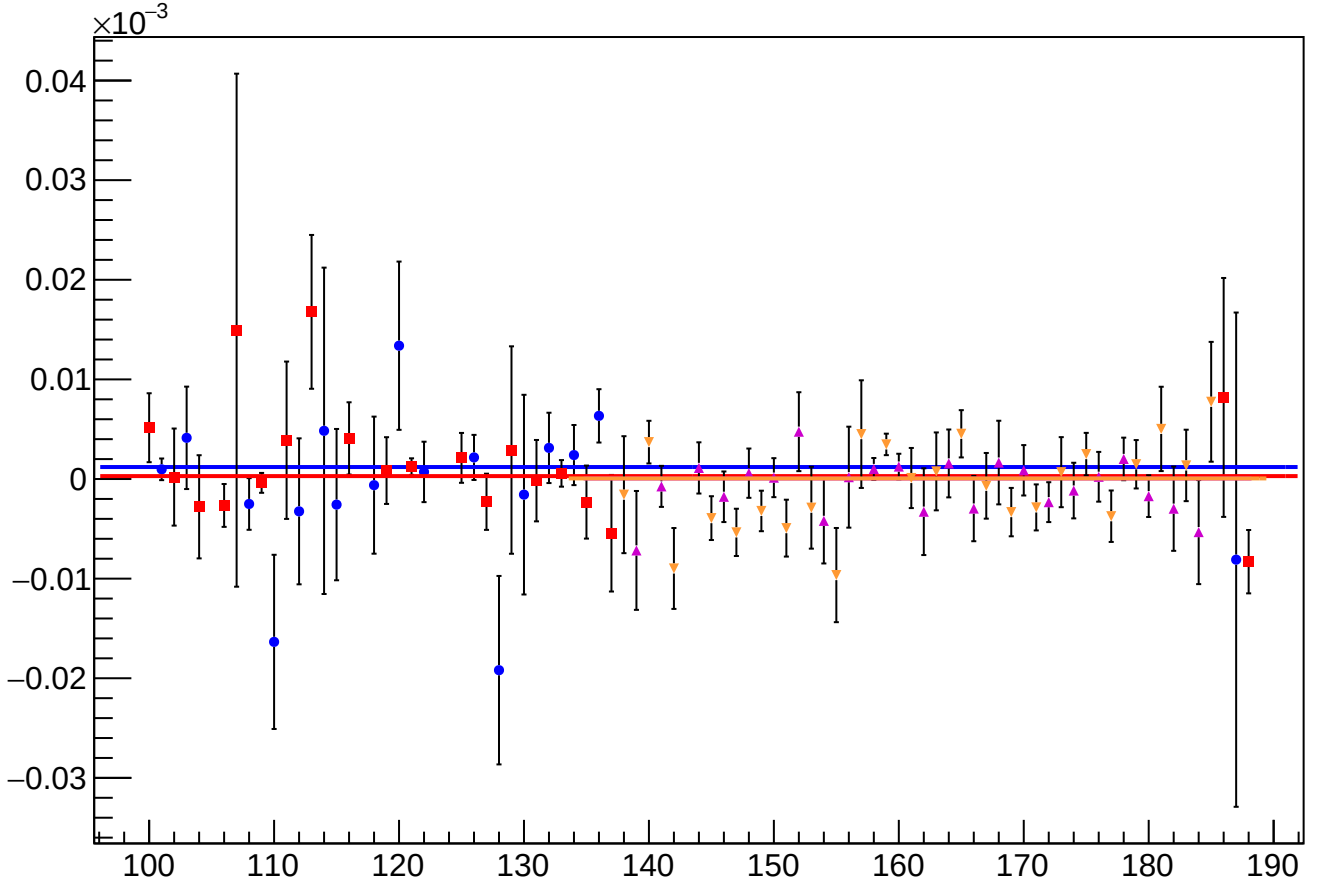
Left In: 42.078+/-0.007 χ^2/NDF:1543505.8/22

+ sign 41.845+/-0.006 χ^2/NDF: 1886363.5/40

All: 41.922+/-0.004 χ^2/NDF: 4370534.9/83

- sign 41.997+/-0.006 χ^2/NDF: 2483860.7/42

asym_us_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/19

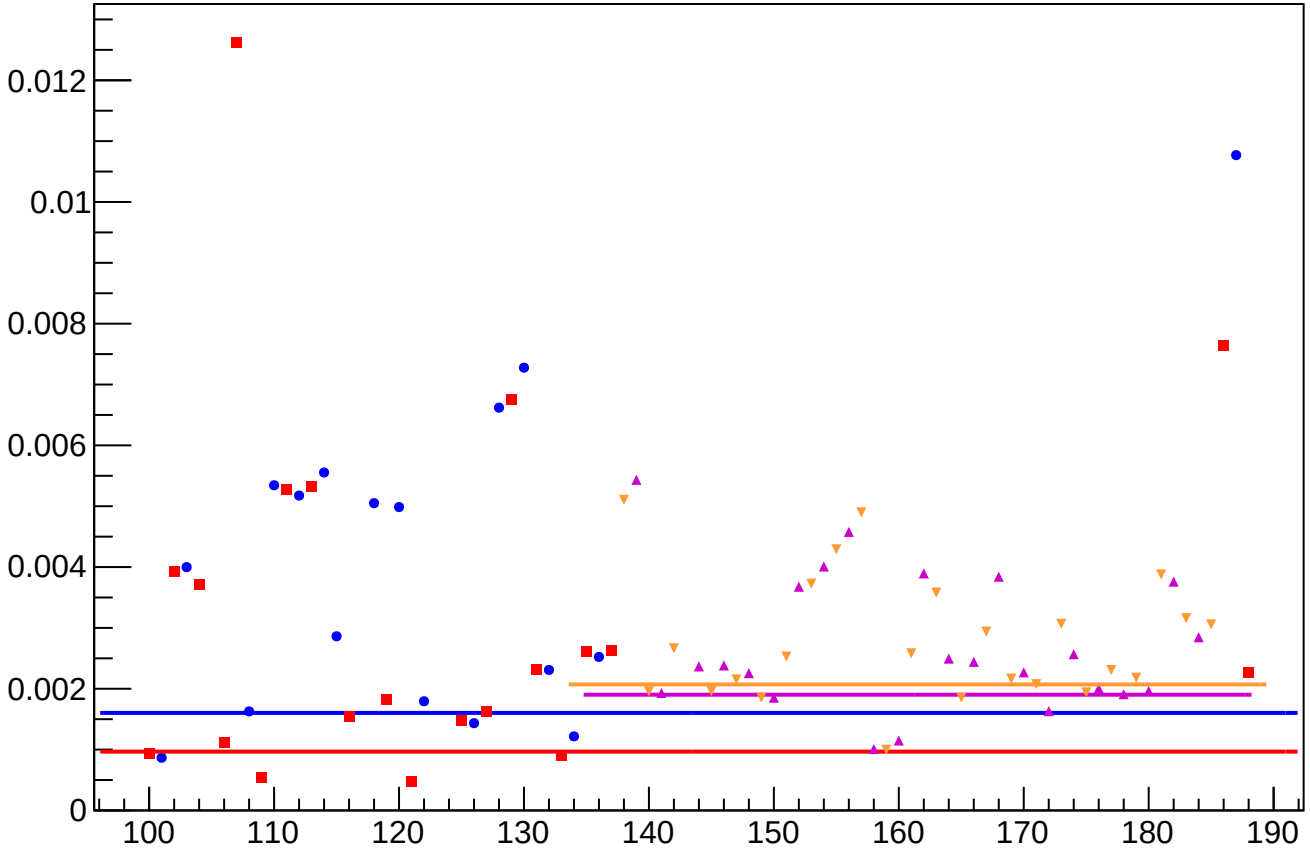
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.7/40

All: 0.000+/-0.000 χ^2/NDF: 107.9/83

- sign 0.000+/-0.000 χ^2/NDF: 36.0/42

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5035417.6/16

Left Out: 0.002+/-0.000 χ^2/NDF:5263163.7/23

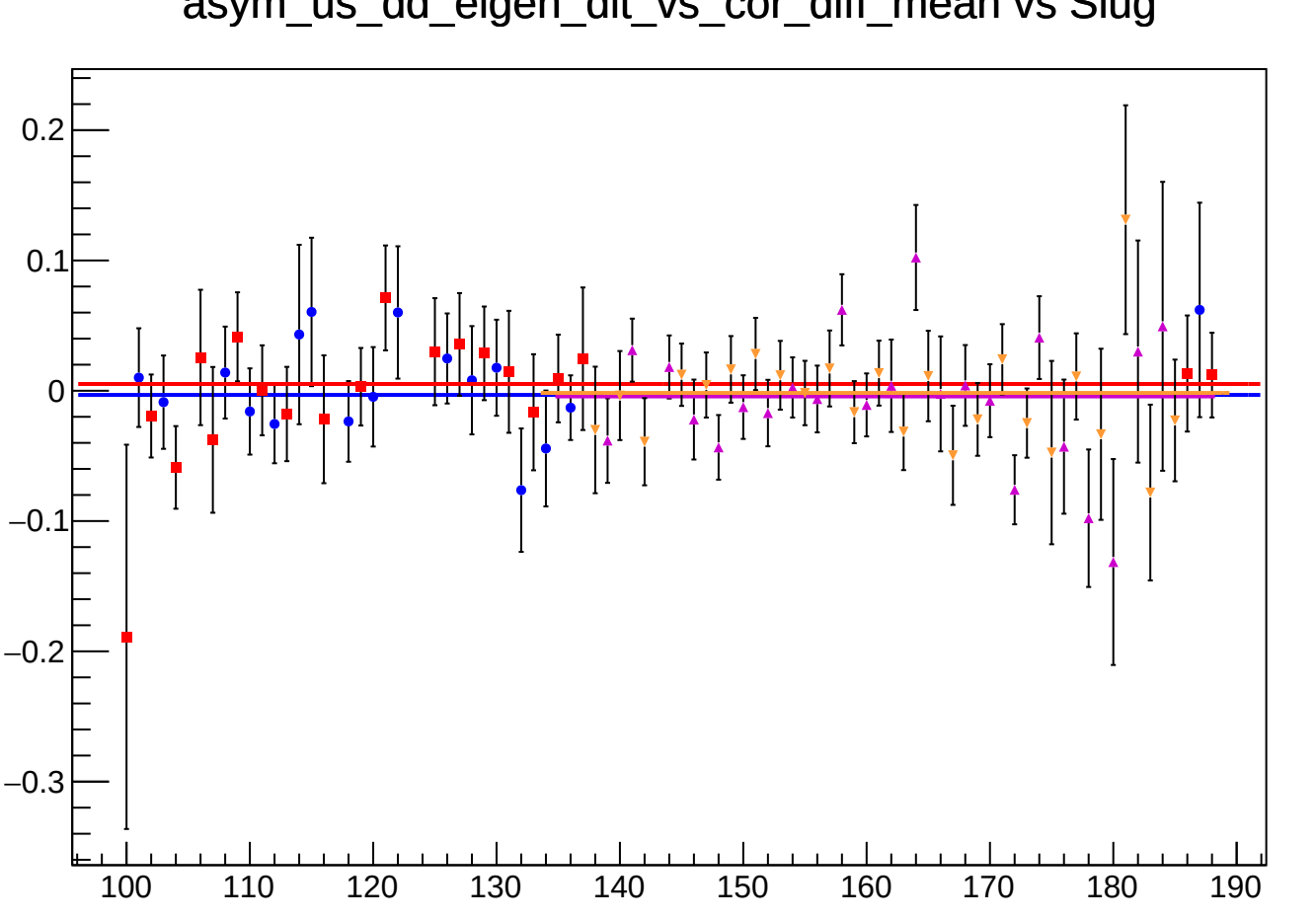
Right Out: 0.001+/-0.000 χ^2/NDF: 6748915.0/19

Left In: 0.002+/-0.000 χ^2/NDF:5935945.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 10820421.8/40

All: 0.002+/-0.000 χ^2/NDF: 28659485.7/83

- sign 0.001+/-0.000 χ^2/NDF: 16297247.0/42



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

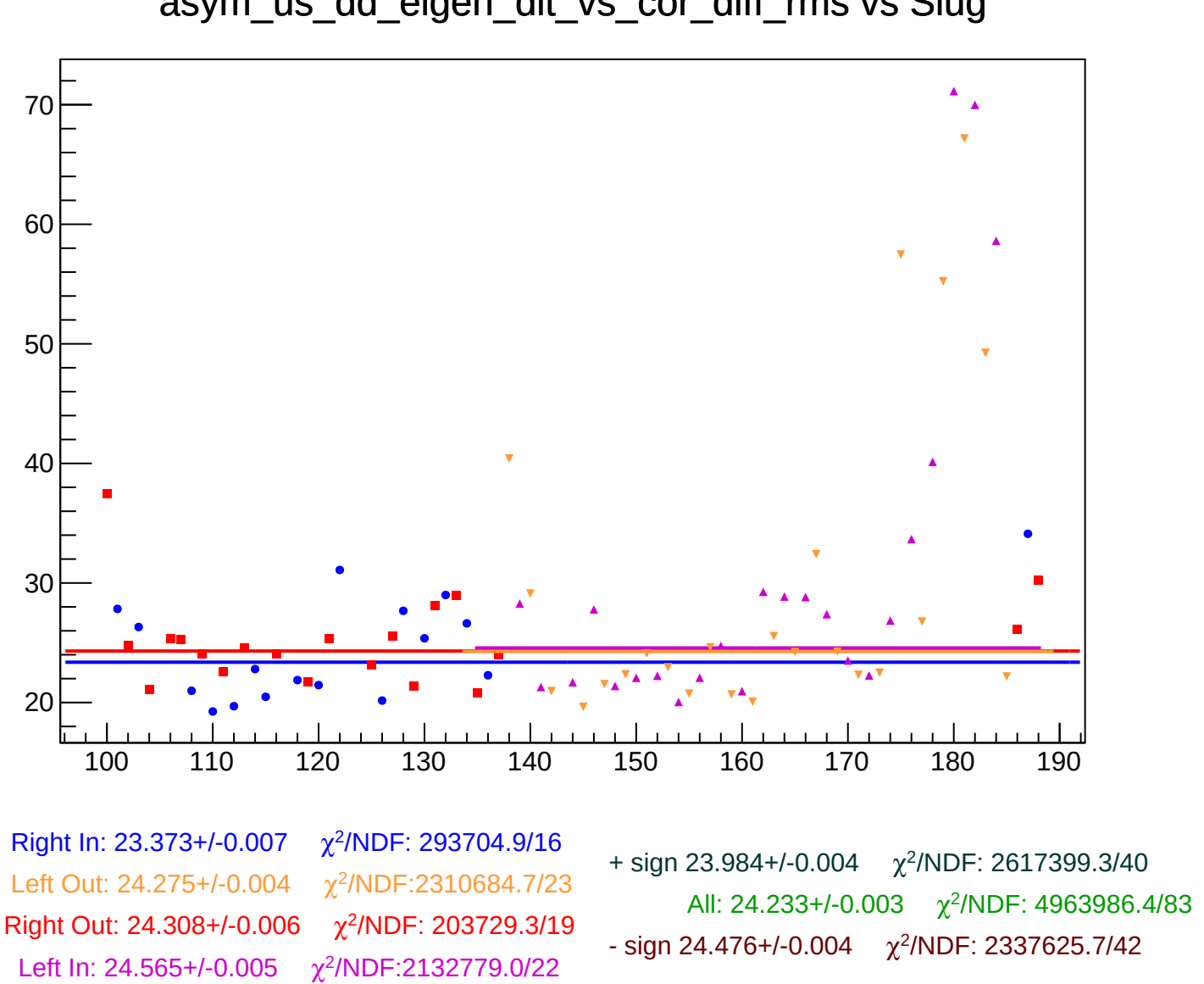
Right Out: 0.005+/-0.009 χ^2/NDF: 13.6/19

Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 24.5/40

All: -0.002+/-0.004 χ^2/NDF: 75.4/83

- sign -0.001+/-0.005 χ^2/NDF: 50.9/42


asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug
70
60
50
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30
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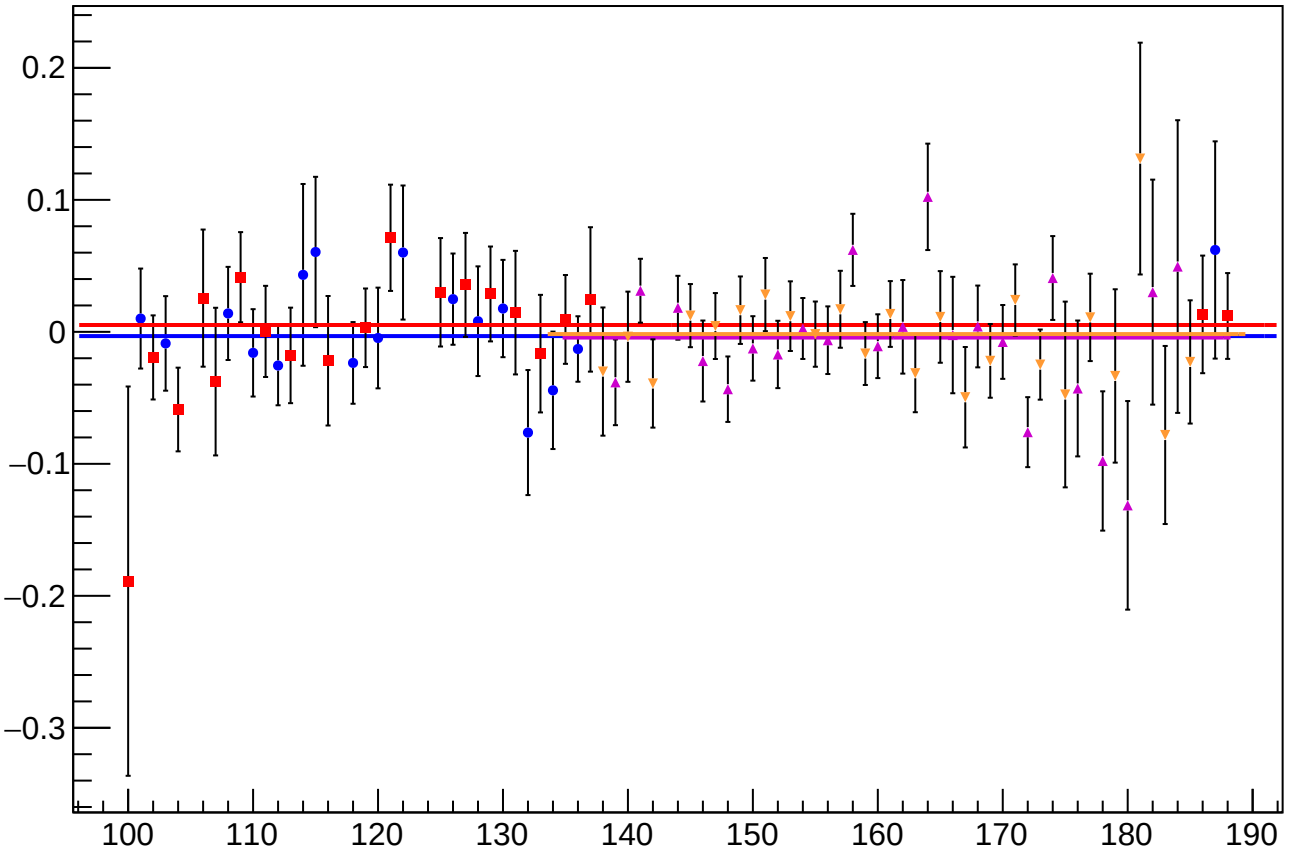
100
110
120
130
140
150
160
170
180
190
Right In: 23.373+/-0.007 χ²/NDF: 293704.9/16
Left Out: 24.275+/-0.004 χ²/NDF:2310684.7/23
Right Out: 24.308+/-0.006 χ²/NDF: 203729.3/19
Left In: 24.565+/-0.005 χ²/NDF:2132779.0/22
+ sign 23.984+/-0.004 χ²/NDF: 2617399.3/40
All: 24.233+/-0.003 χ²/NDF: 4963986.4/83
- sign 24.476+/-0.004 χ²/NDF: 2337625.7/42



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: 0.005+/-0.009 χ^2/NDF: 13.6/19

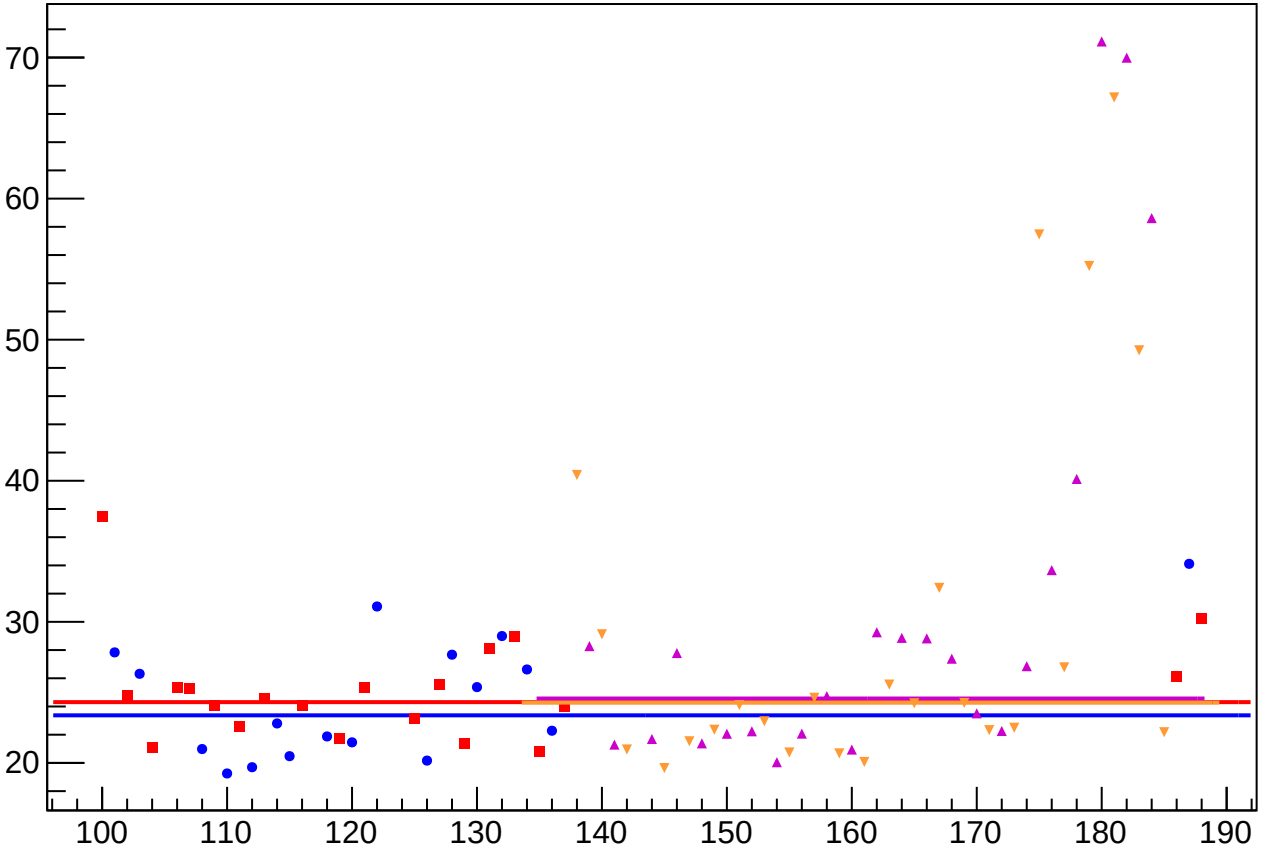
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 24.5/40

All: -0.002+/-0.004 χ^2/NDF: 75.4/83

- sign -0.001+/-0.005 χ^2/NDF: 50.9/42

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.373+/-0.007 χ^2/NDF: 293704.9/16

Left Out: 24.275+/-0.004 χ^2/NDF:2310684.7/23

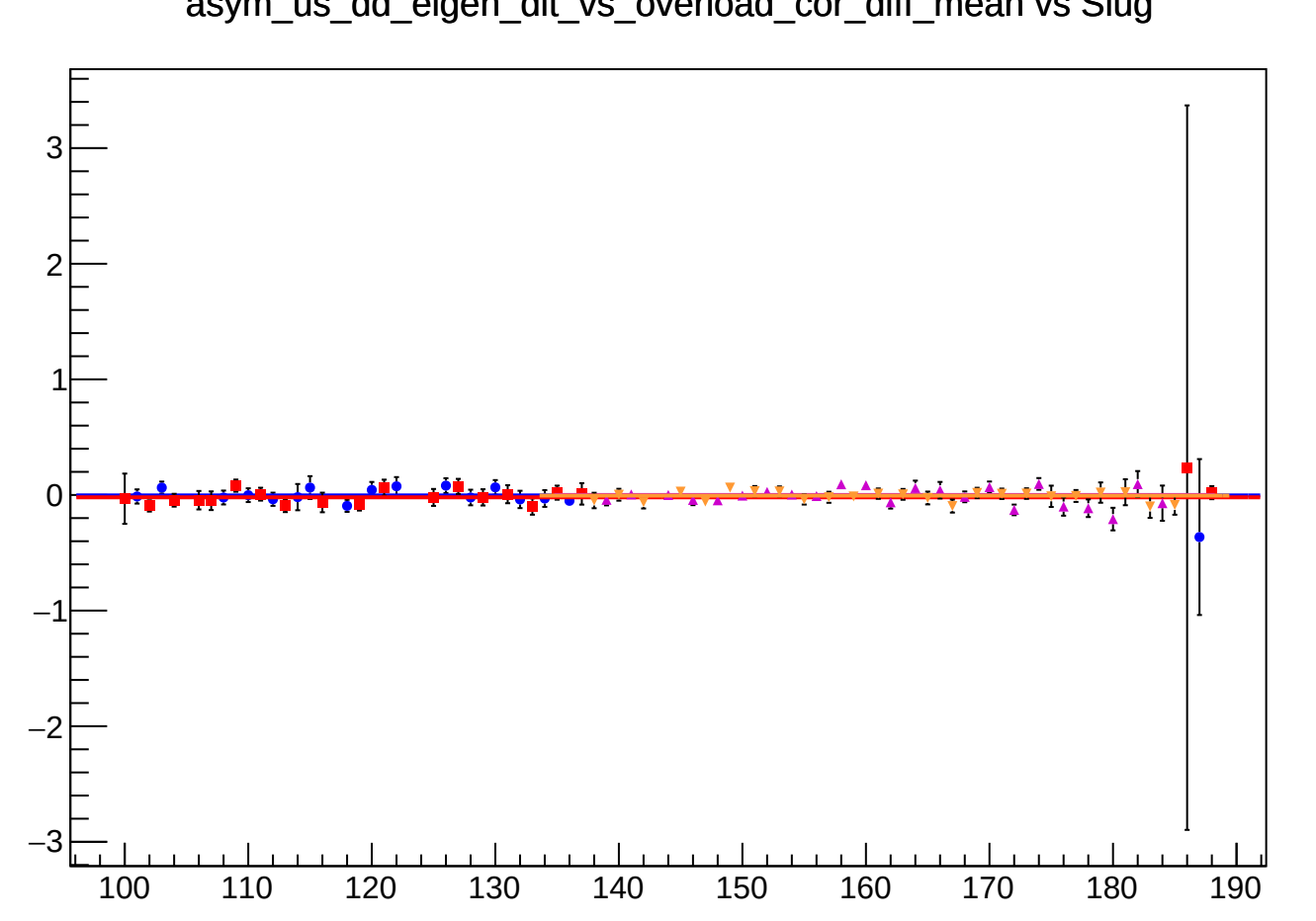
Right Out: 24.308+/-0.006 χ^2/NDF: 203729.3/19

Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

+ sign 23.984+/-0.004 χ^2/NDF: 2617399.3/40

All: 24.233+/-0.003 χ^2/NDF: 4963986.4/83

- sign 24.476+/-0.004 χ^2/NDF: 2337625.7/42



Right In: -0.004+/-0.016 χ^2/NDF: 11.9/16

Left Out: -0.005+/-0.010 χ^2/NDF:13.9/23

Right Out: -0.020+/-0.015 χ^2/NDF: 15.9/19

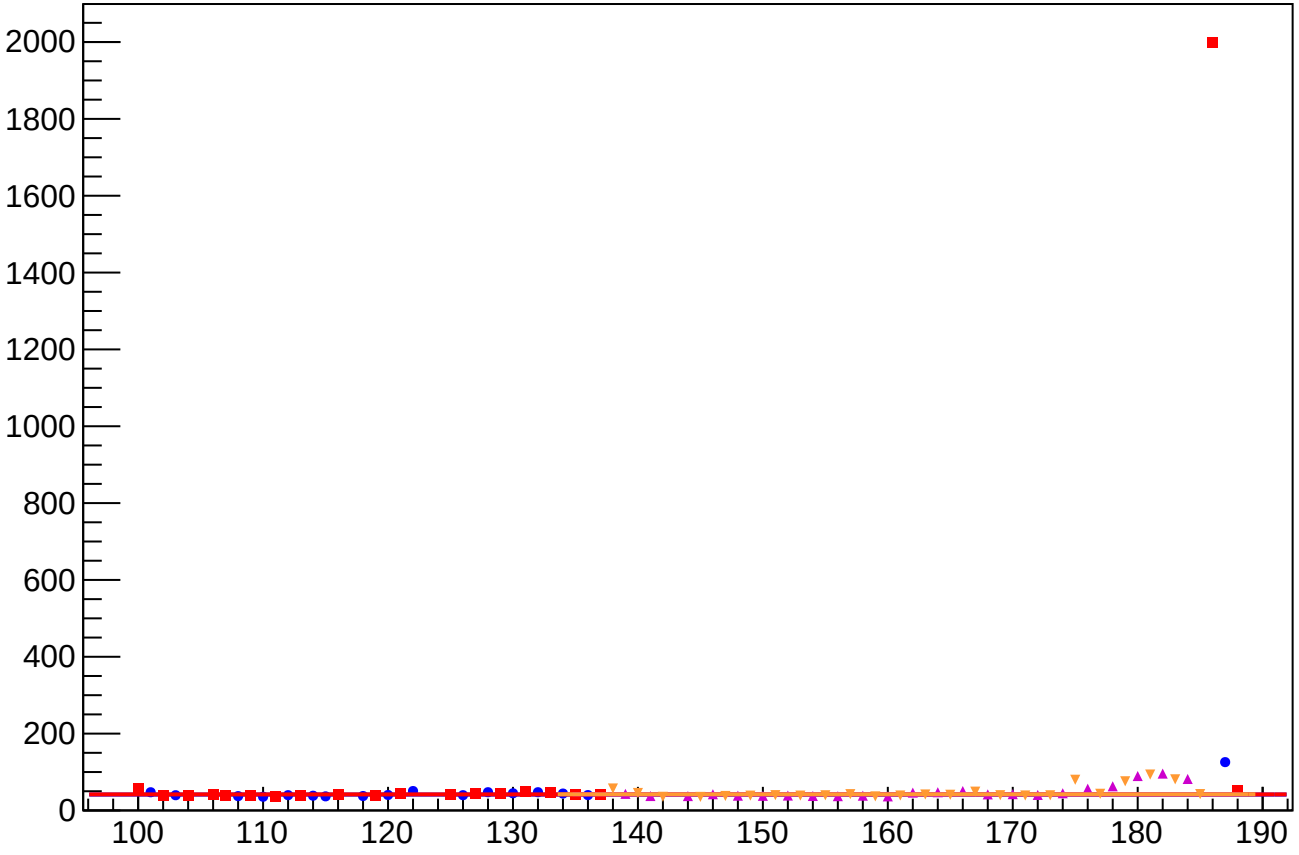
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.005+/-0.009 χ^2/NDF: 25.8/40

All: -0.006+/-0.006 χ^2/NDF: 80.9/83

- sign -0.007+/-0.009 χ^2/NDF: 55.1/42

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.287+/-0.011 χ^2/NDF: 166687.5/16

Left Out: 42.088+/-0.007 χ^2/NDF:1716037.6/23

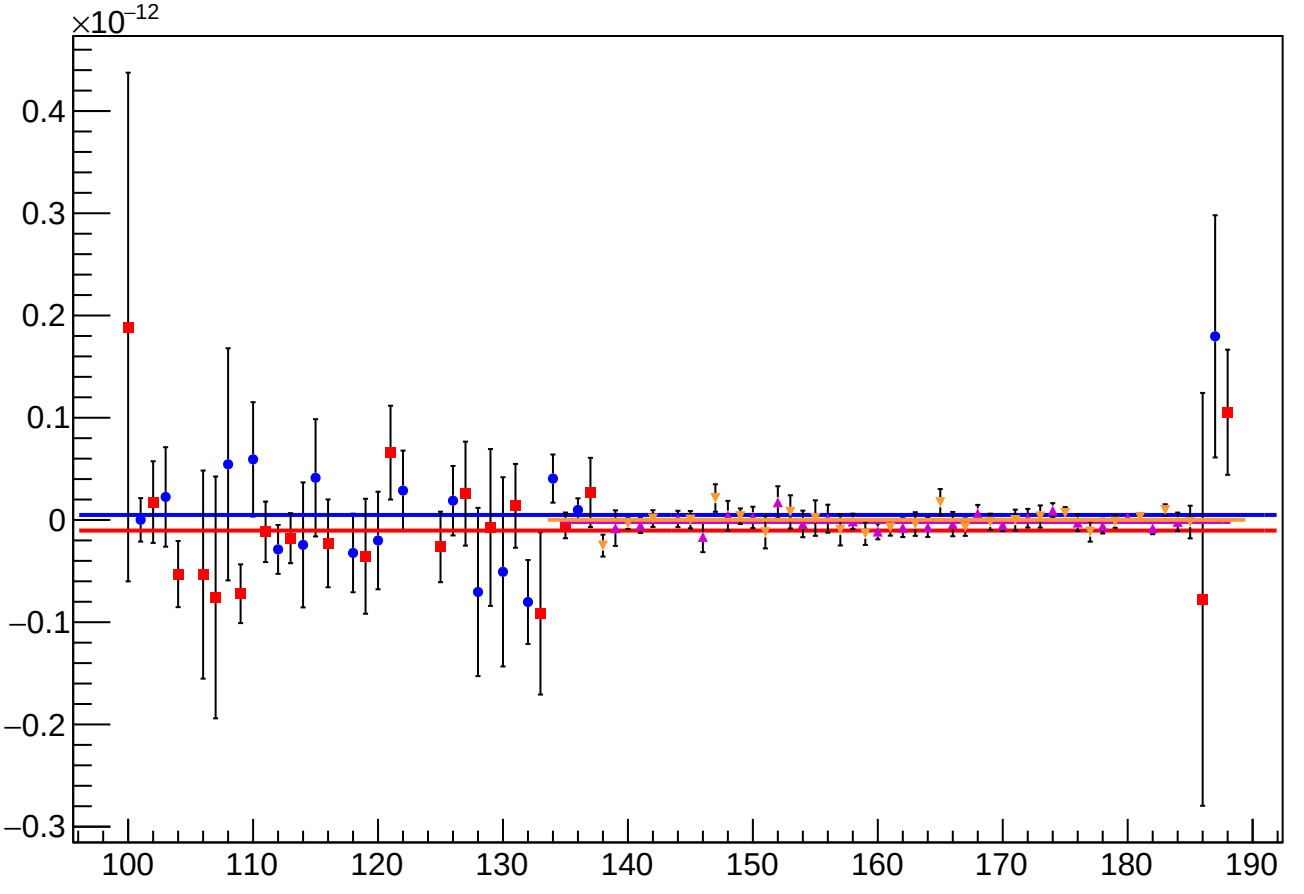
Right Out: 41.829+/-0.011 χ^2/NDF: 939971.8/19

Left In: 42.078+/-0.007 χ^2/NDF:1543481.3/22

+ sign 41.845+/-0.006 χ^2/NDF: 1886334.0/40

All: 41.922+/-0.004 χ^2/NDF: 4370472.6/83

- sign 41.997+/-0.006 χ^2/NDF: 2483827.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/23

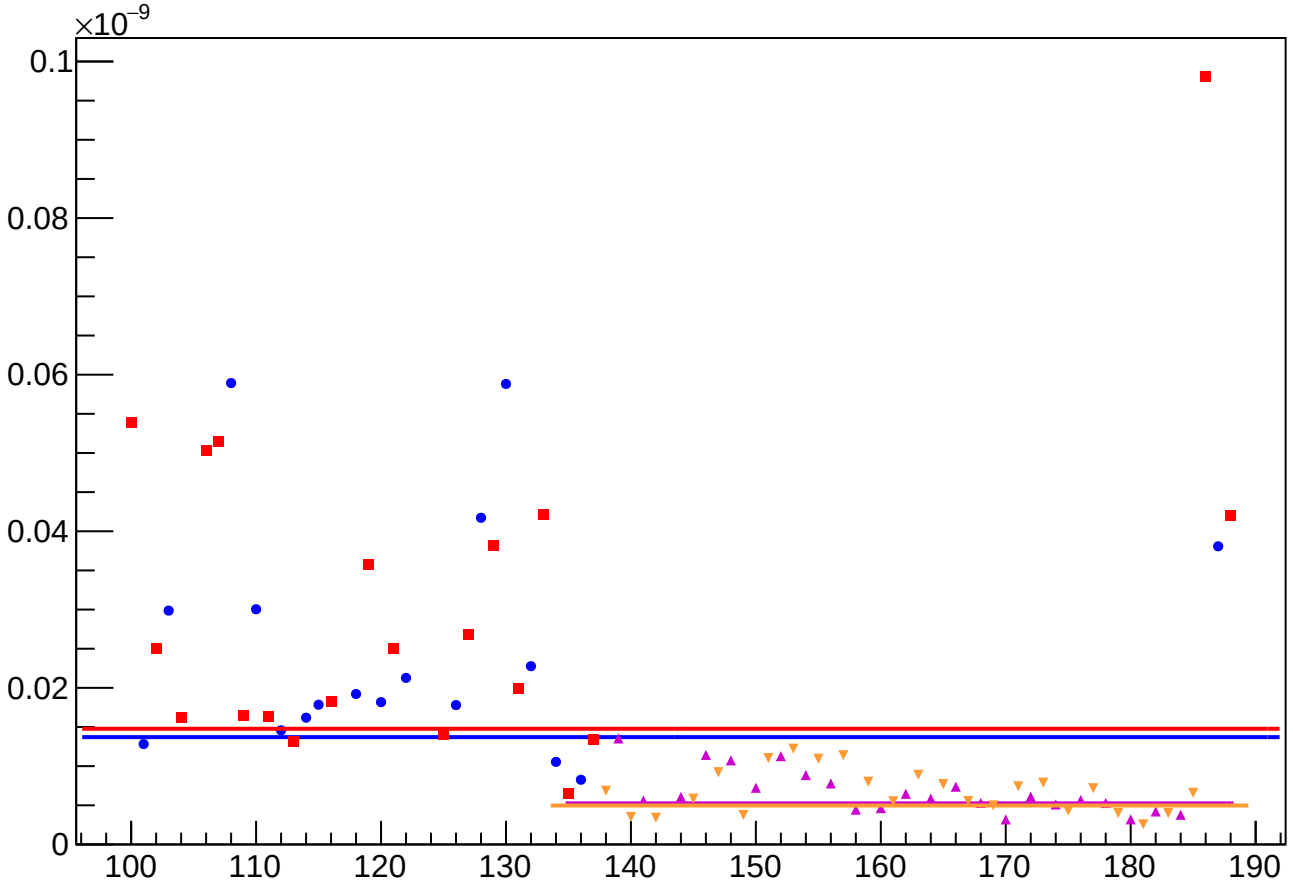
Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/19

Left In: -0.000+/-0.000 χ^2/NDF:11.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.4/40

All: -0.000+/-0.000 χ^2/NDF: 69.9/83

- sign -0.000+/-0.000 χ^2/NDF: 31.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 2273631.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:3536964.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3217789.3/19

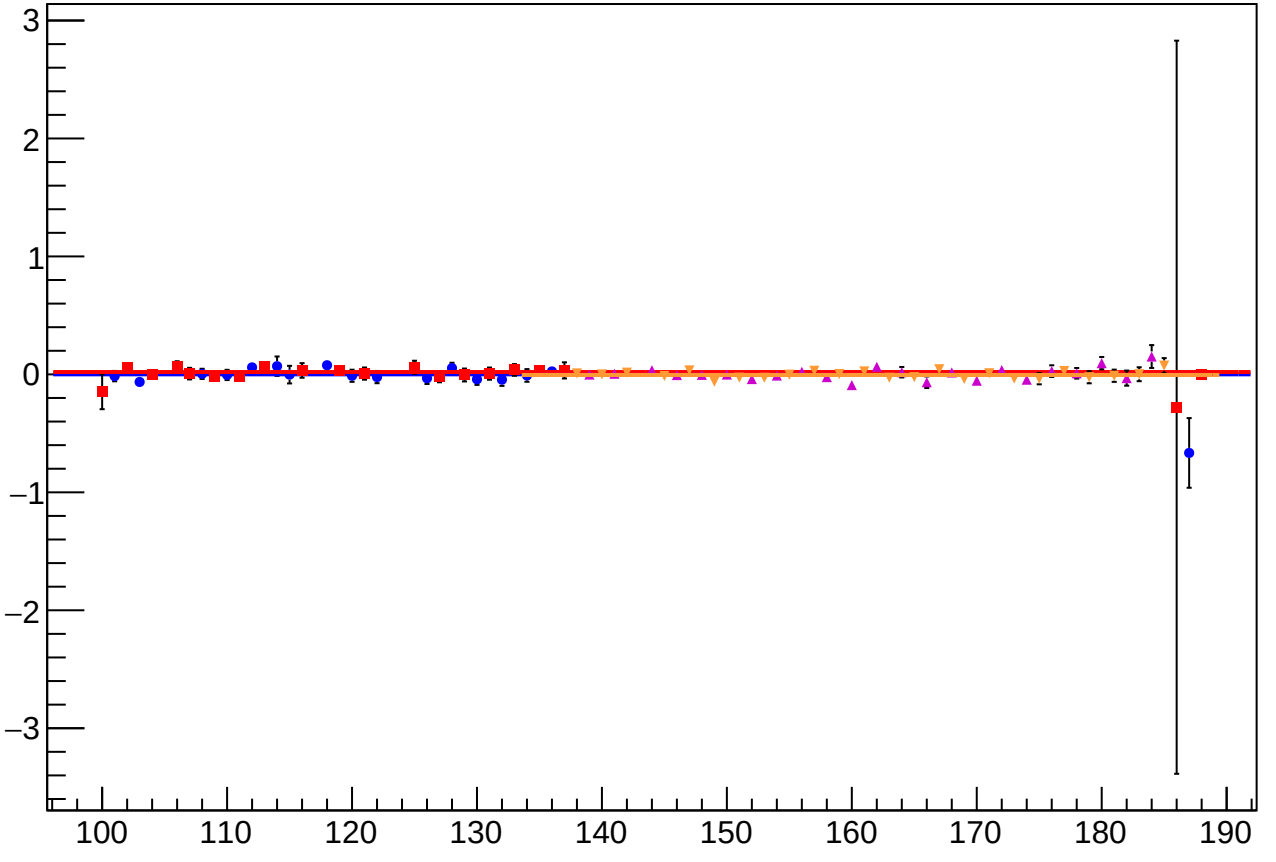
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8487495.0/40

All: 0.000+/-0.000 χ^2/NDF: 17255066.9/83

- sign 0.000+/-0.000 χ^2/NDF: 8732897.1/42

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.011 χ^2/NDF: 20.4/16

Left Out: -0.005+/-0.007 χ^2/NDF:16.7/23

Right Out: 0.020+/-0.010 χ^2/NDF: 9.4/19

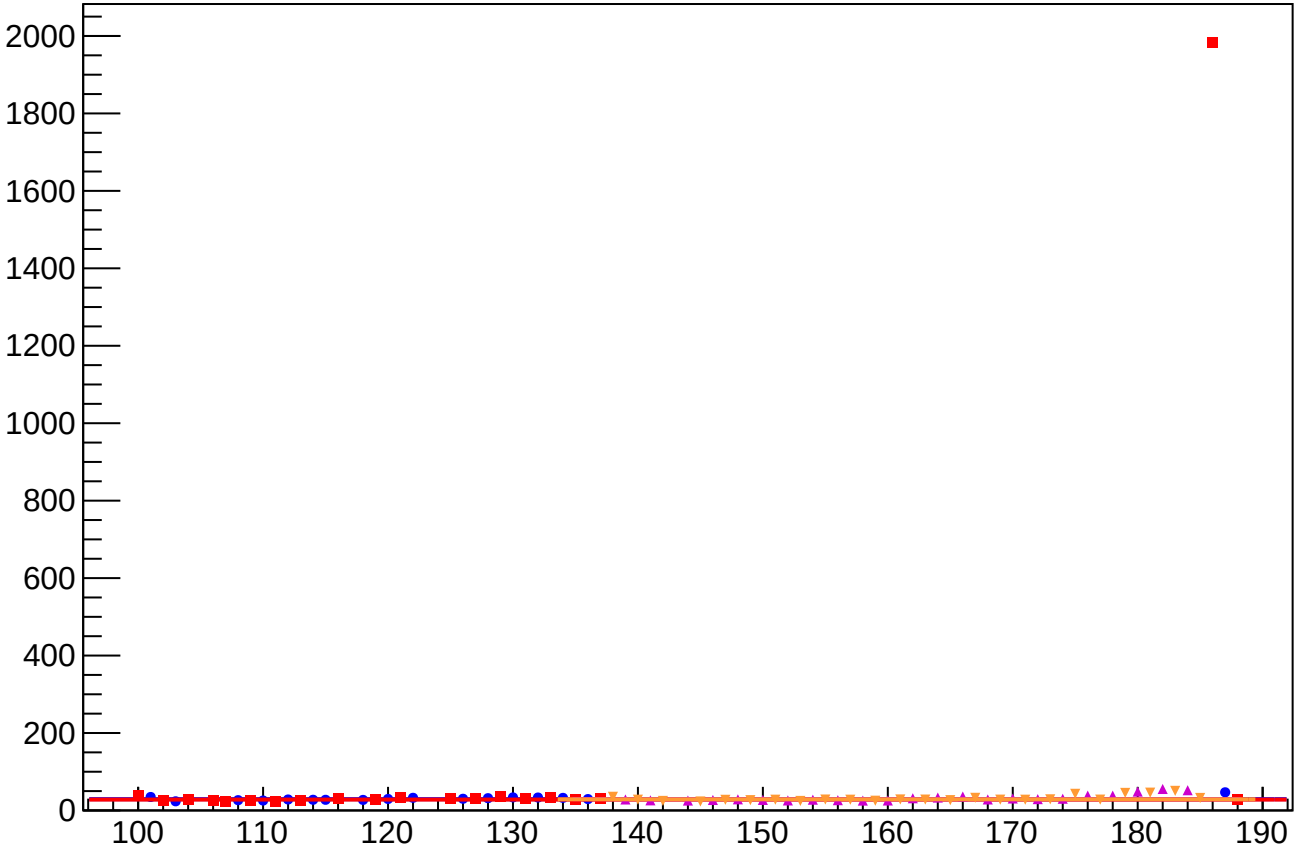
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.004+/-0.006 χ^2/NDF: 37.3/40

All: 0.000+/-0.004 χ^2/NDF: 82.3/83

- sign 0.004+/-0.006 χ^2/NDF: 44.3/42

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 29.171+/-0.008 χ^2/NDF: 184103.0/16

Left Out: 28.781+/-0.005 χ^2/NDF:1170605.8/23

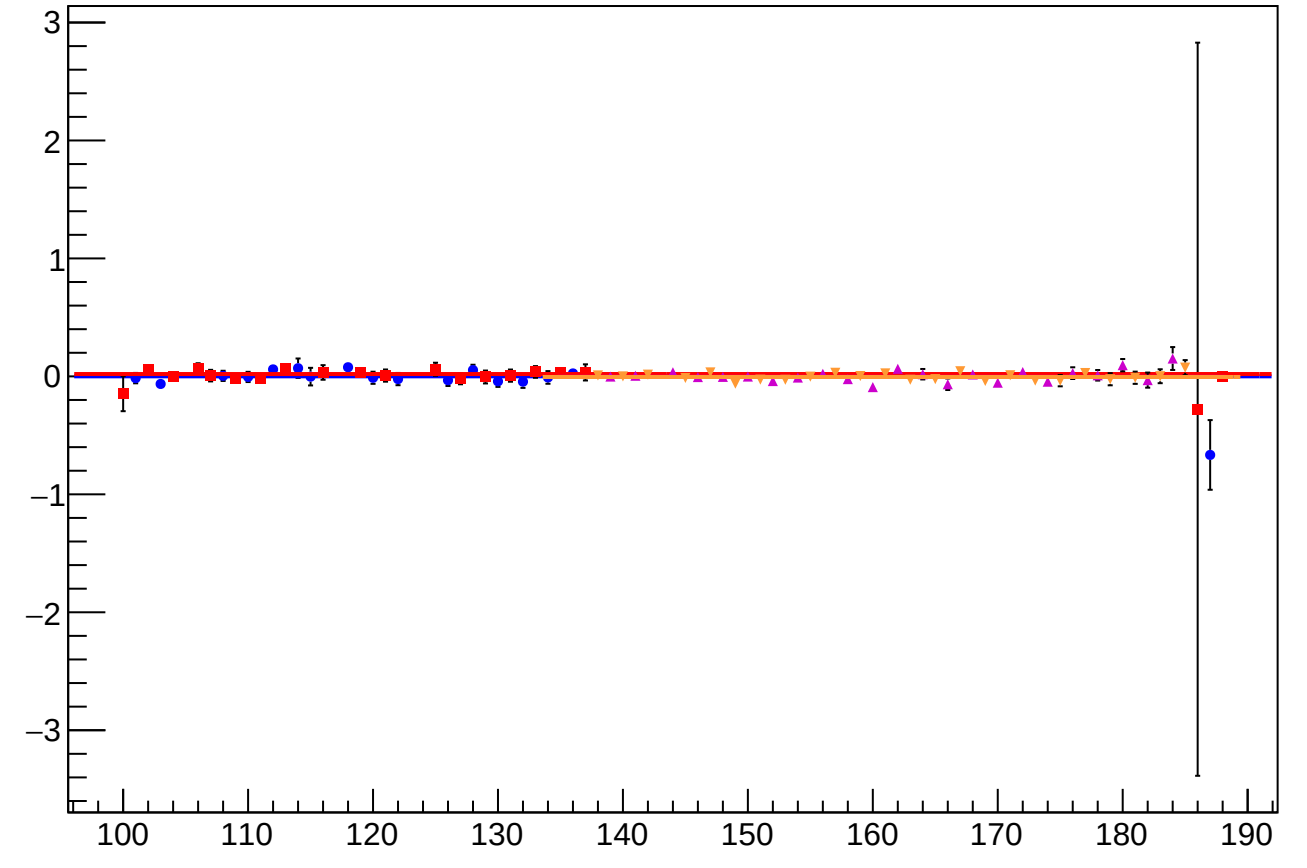
Right Out: 28.098+/-0.007 χ^2/NDF: 978667.3/19

Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.892+/-0.004 χ^2/NDF: 1356442.2/40

All: 28.884+/-0.003 χ^2/NDF: 3492482.9/83

- sign 28.875+/-0.004 χ^2/NDF: 2136032.6/42



Right In: 0.000+/-0.011 χ^2/NDF: 20.4/16

Left Out: -0.005+/-0.007 χ^2/NDF:16.7/23

Right Out: 0.020+/-0.010 χ^2/NDF: 9.4/19

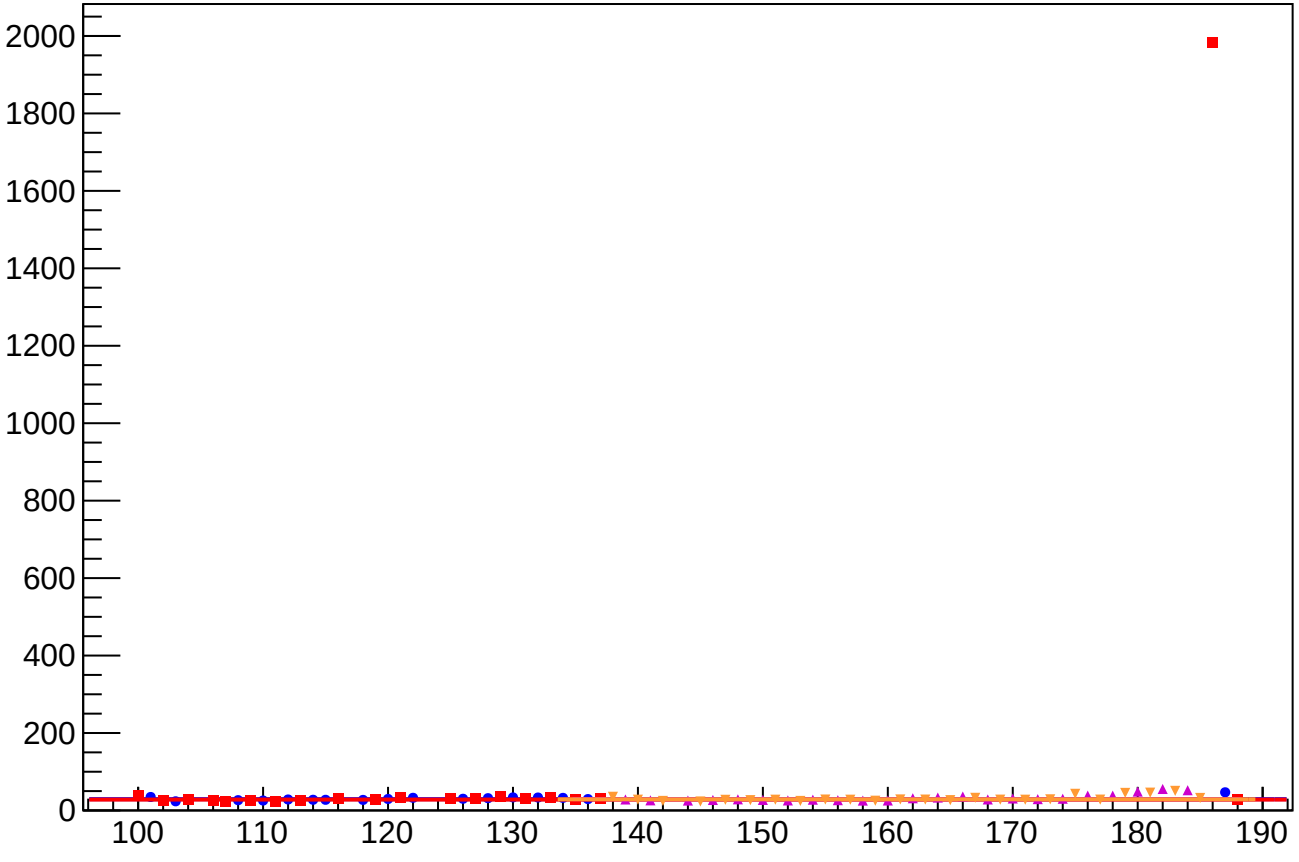
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.004+/-0.006 χ^2/NDF: 37.3/40

All: 0.000+/-0.004 χ^2/NDF: 82.3/83

- sign 0.004+/-0.006 χ^2/NDF: 44.3/42

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 29.171+/-0.008 χ^2/NDF: 184103.0/16

Left Out: 28.781+/-0.005 χ^2/NDF:1170605.8/23

Right Out: 28.098+/-0.007 χ^2/NDF: 978667.3/19

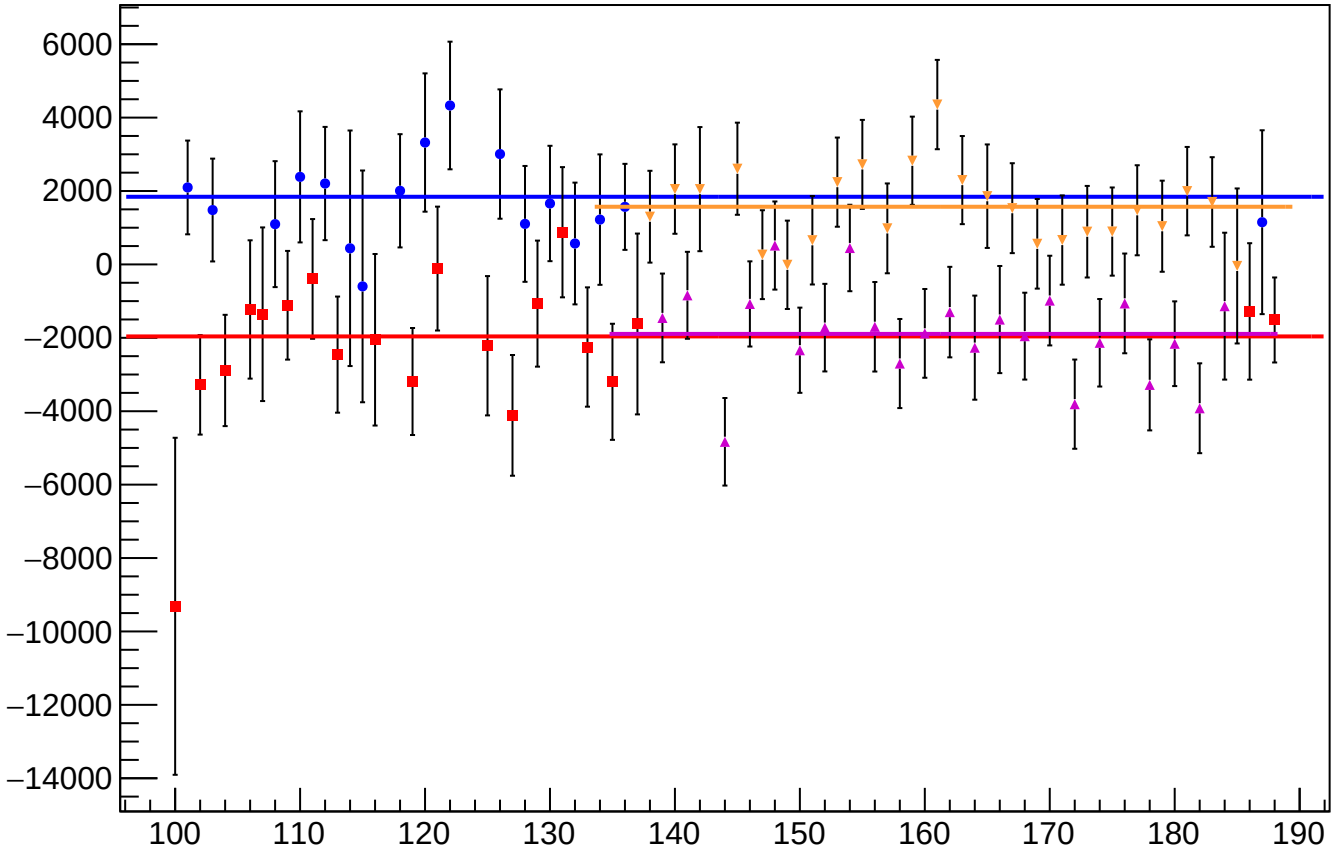
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.892+/-0.004 χ^2/NDF: 1356442.2/40

All: 28.884+/-0.003 χ^2/NDF: 3492482.9/83

- sign 28.875+/-0.004 χ^2/NDF: 2136032.6/42

reg_asym_usl_mean vs Slug



Right In: 1843.002+/-404.157 χ^2/NDF: 5.4/16

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: -1961.894+/-377.810 χ^2/NDF: 12.9/19

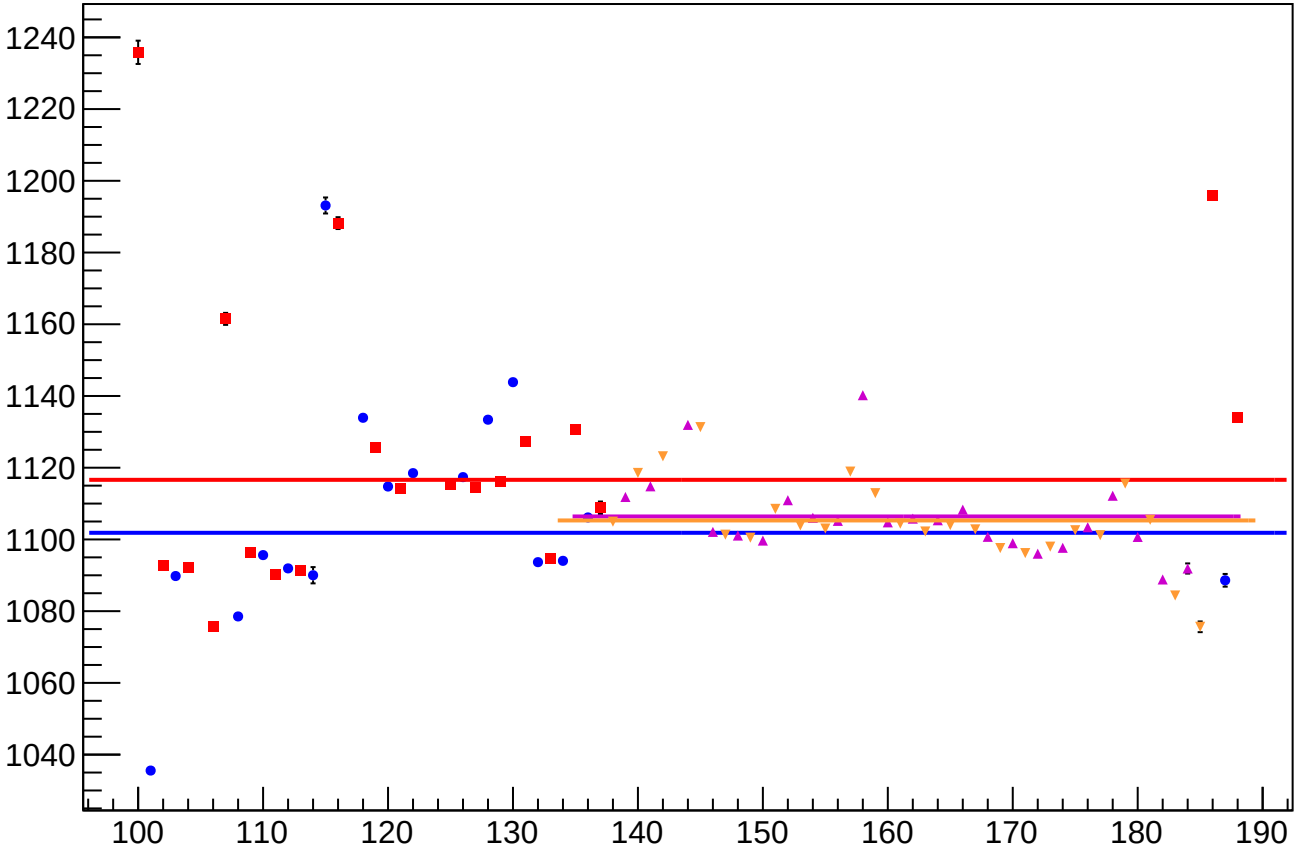
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1649.156+/-216.588 χ^2/NDF: 21.1/40

All: -160.680+/-151.958 χ^2/NDF: 195.6/83

- sign -1915.185+/-213.252 χ^2/NDF: 37.0/42

reg_asym_usl_rms vs Slug



Right In: 1101.851+/-0.286 χ^2/NDF: 11406.4/16

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

Right Out: 1116.621+/-0.267 χ^2/NDF: 12227.1/19

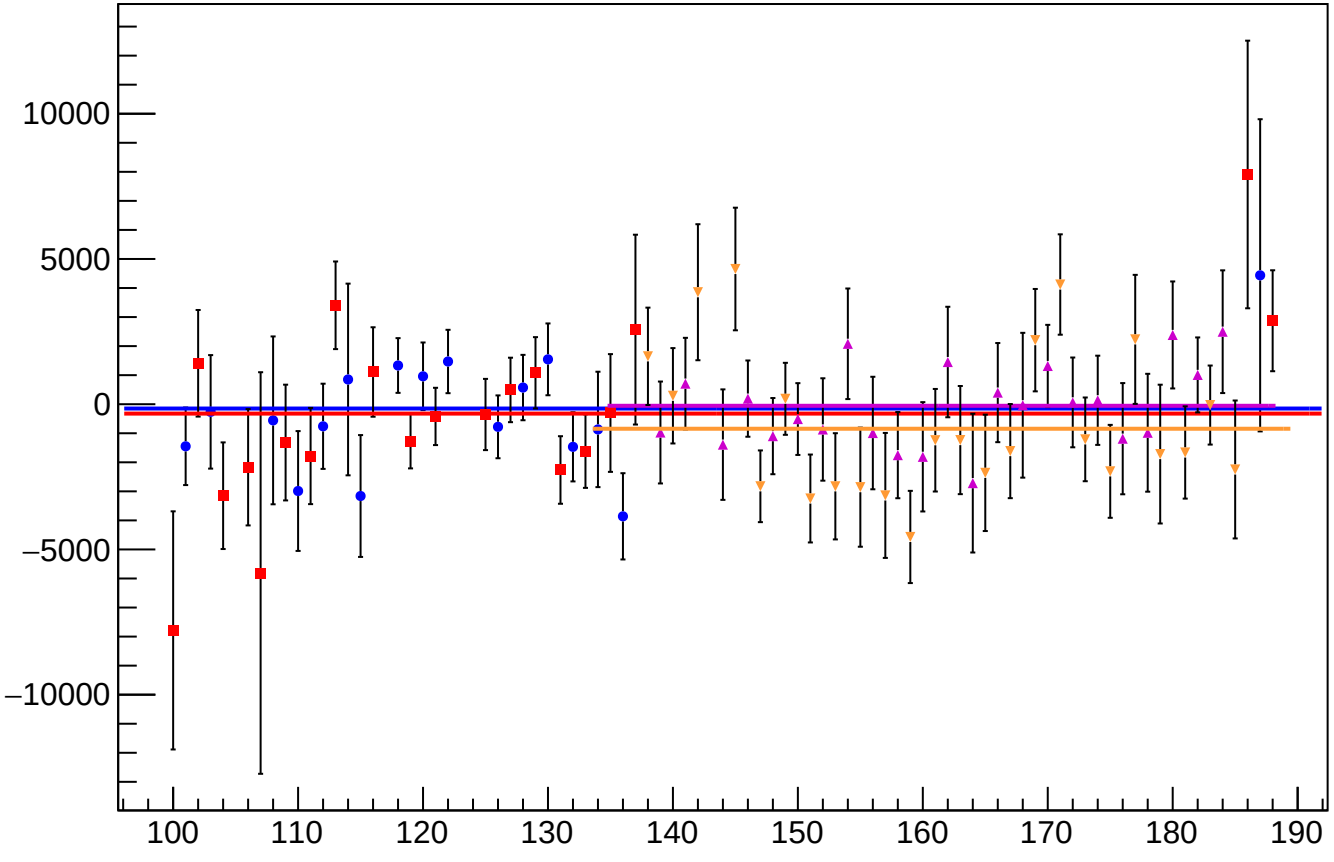
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1104.305+/-0.153 χ^2/NDF: 14671.6/40

All: 1107.024+/-0.107 χ^2/NDF: 32292.1/83

- sign 1109.660+/-0.151 χ^2/NDF: 16999.9/42

asym_usl_reg_correction_mean vs Slug



Right In: -148.937+/-344.730 χ^2/NDF: 21.7/16

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -322.955+/-337.536 χ^2/NDF: 30.1/19

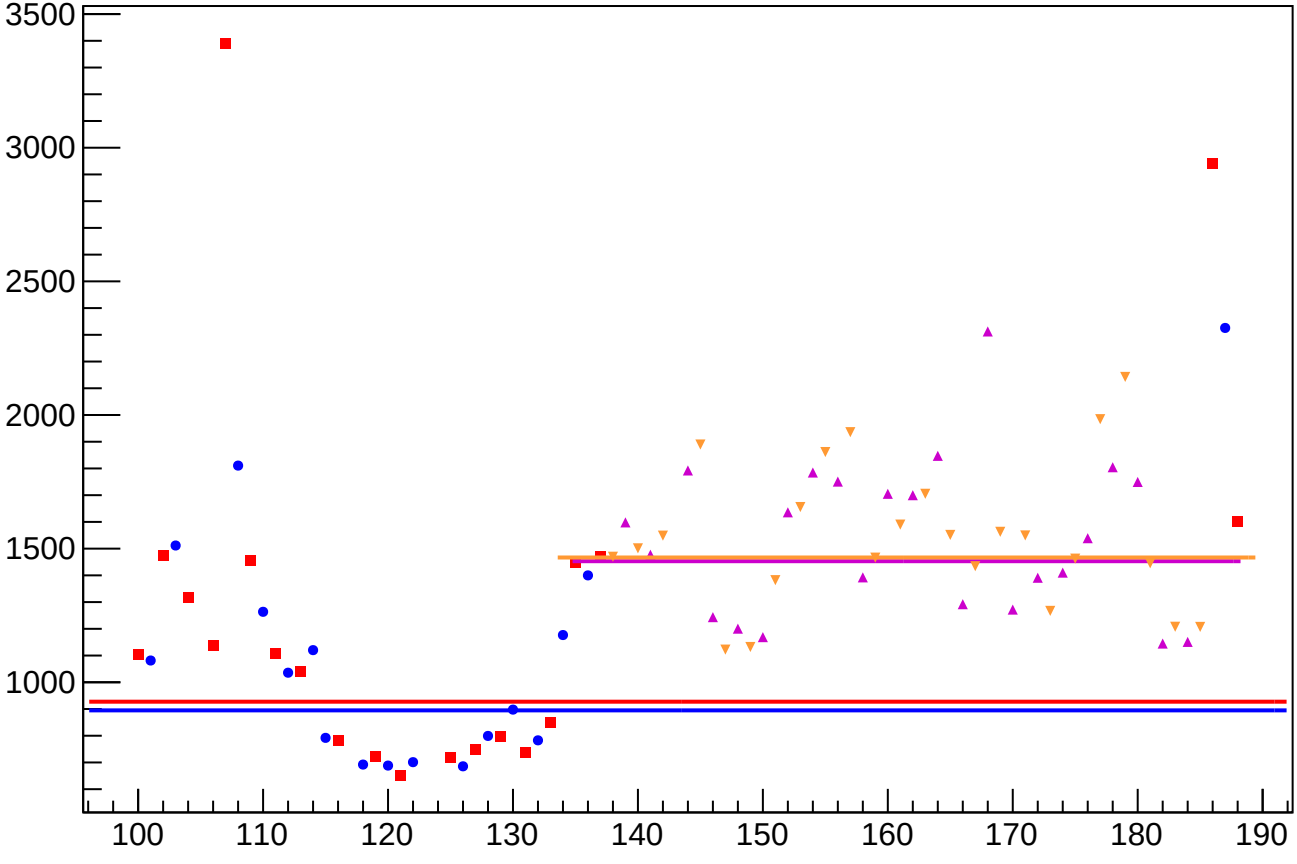
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -494.162+/-244.681 χ^2/NDF: 67.9/40

All: -341.147+/-171.915 χ^2/NDF: 112.2/83

- sign -191.962+/-241.598 χ^2/NDF: 43.5/42

asym_usl_reg_correction_rms vs Slug



Right In: 894.869+/-0.244 χ^2/NDF: 1275164.2/16

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 927.352+/-0.239 χ^2/NDF: 2052456.3/19

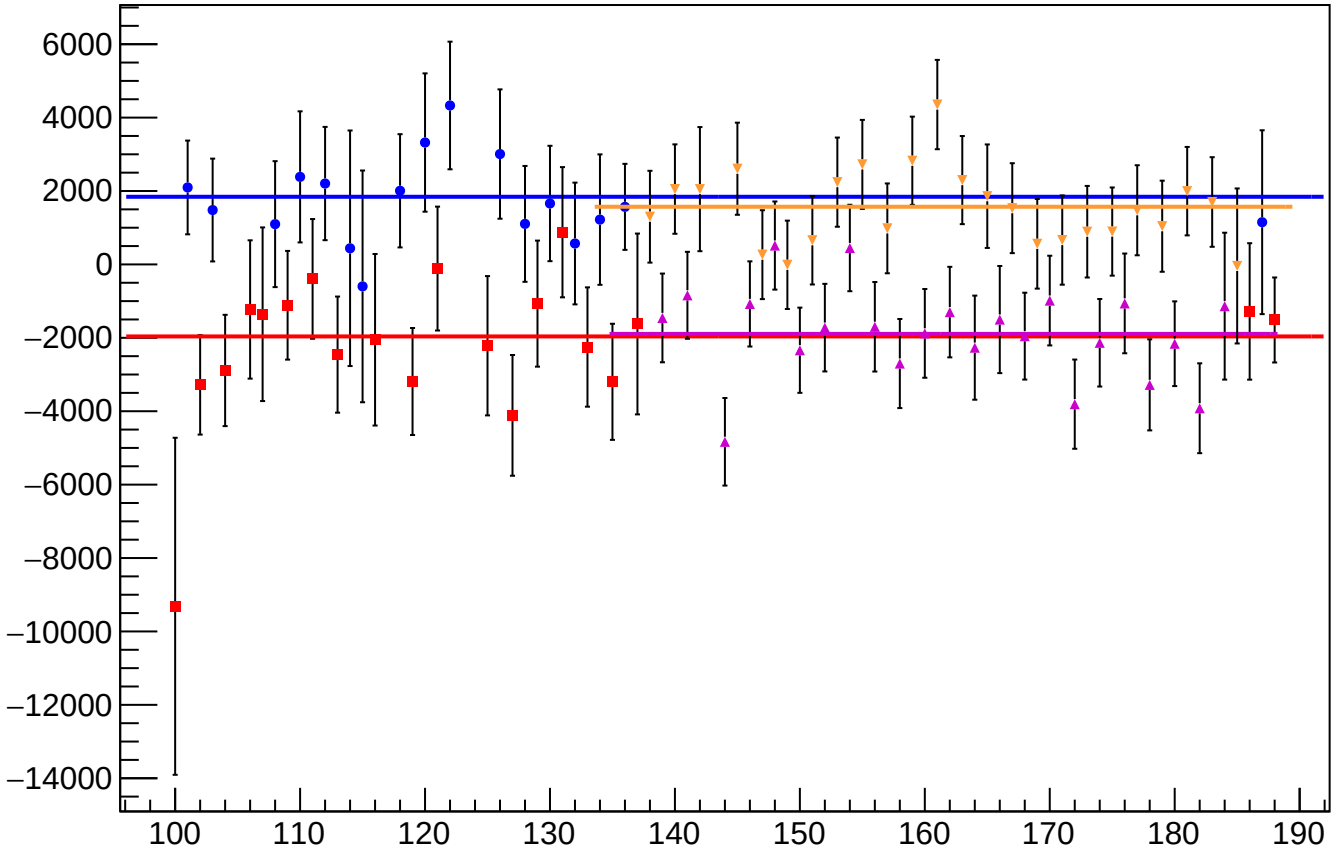
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1178.695+/-0.173 χ^2/NDF: 5050606.3/40

All: 1181.223+/-0.122 χ^2/NDF: 10598320.9/8

- sign 1183.689+/-0.171 χ^2/NDF: 5547292.7/42

cor_asym_usl_mean vs Slug



Right In: 1843.002+/-404.157 χ^2/NDF: 5.4/16

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: -1961.894+/-377.810 χ^2/NDF: 12.9/19

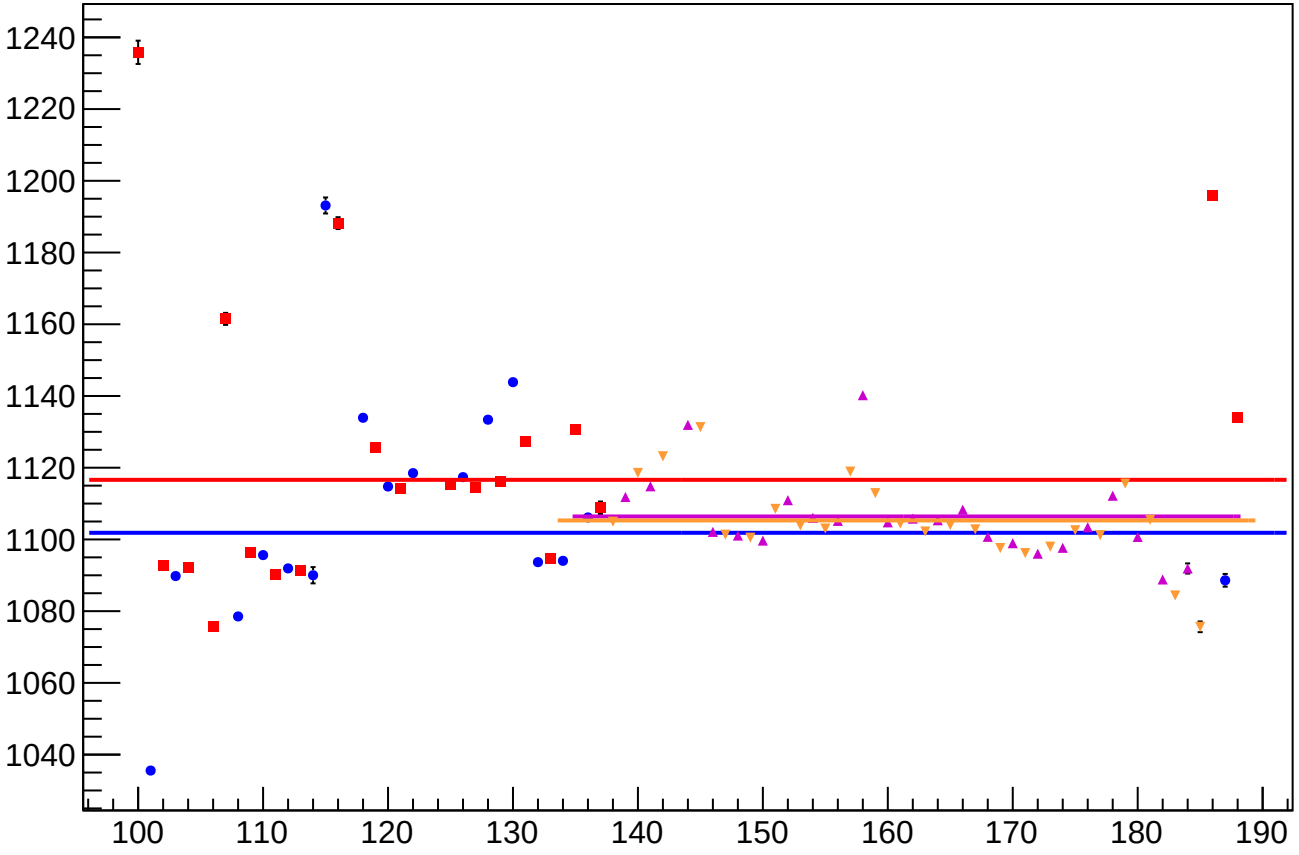
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1649.156+/-216.588 χ^2/NDF: 21.1/40

All: -160.680+/-151.958 χ^2/NDF: 195.6/83

- sign -1915.185+/-213.252 χ^2/NDF: 37.0/42

cor_asym_usl_rms vs Slug



Right In: 1101.851+/-0.286 χ^2/NDF: 11406.4/16

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

Right Out: 1116.621+/-0.267 χ^2/NDF: 12227.1/19

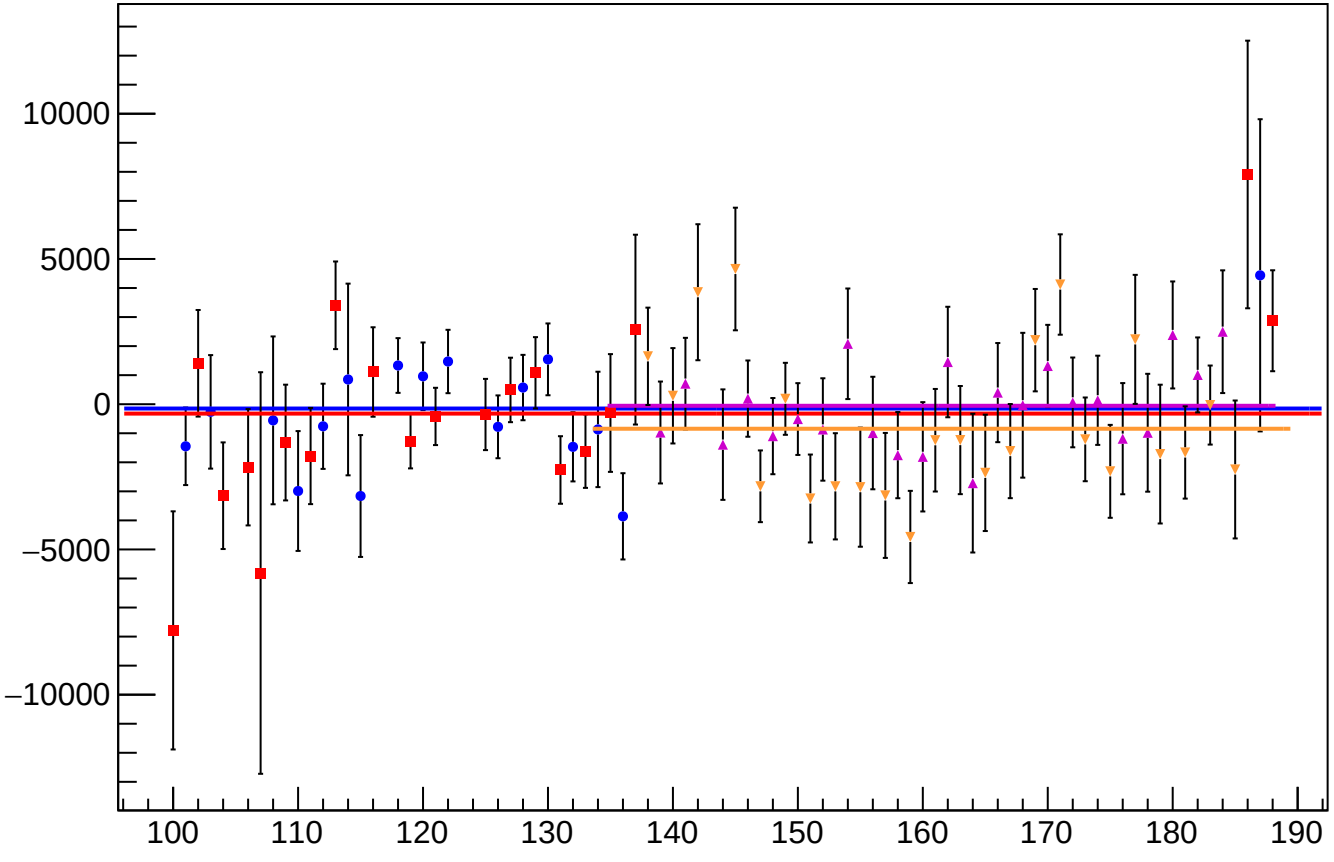
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1104.305+/-0.153 χ^2/NDF: 14671.6/40

All: 1107.024+/-0.107 χ^2/NDF: 32292.1/83

- sign 1109.660+/-0.151 χ^2/NDF: 16999.9/42

asym_usl_cor_correction_mean vs Slug



Right In: -148.937+/-344.730 χ^2/NDF: 21.7/16

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -322.955+/-337.536 χ^2/NDF: 30.1/19

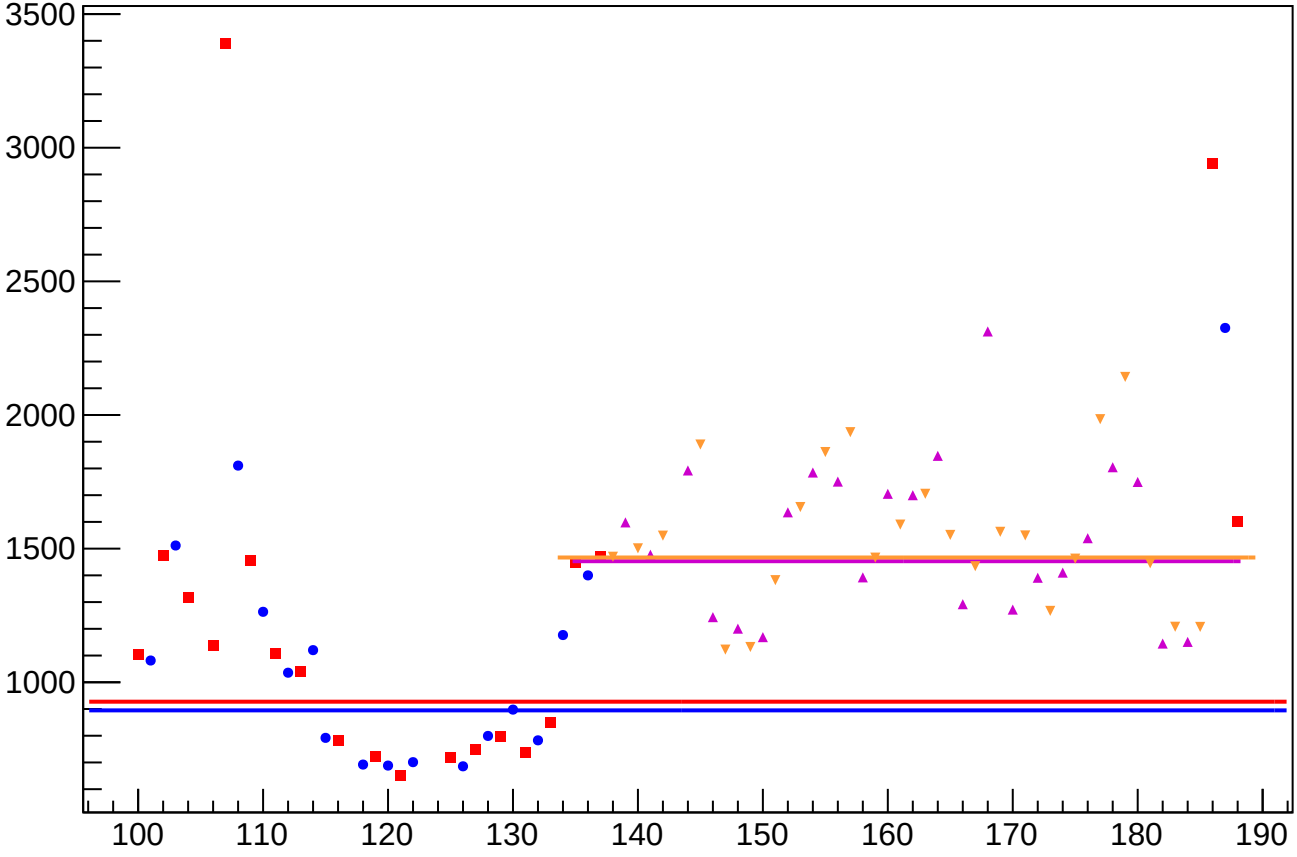
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -494.162+/-244.681 χ^2/NDF: 67.9/40

All: -341.147+/-171.915 χ^2/NDF: 112.2/83

- sign -191.962+/-241.598 χ^2/NDF: 43.5/42

asym_usl_cor_correction_rms vs Slug



Right In: 894.869+/-0.244 χ^2/NDF: 1275164.2/16

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 927.352+/-0.239 χ^2/NDF: 2052456.3/19

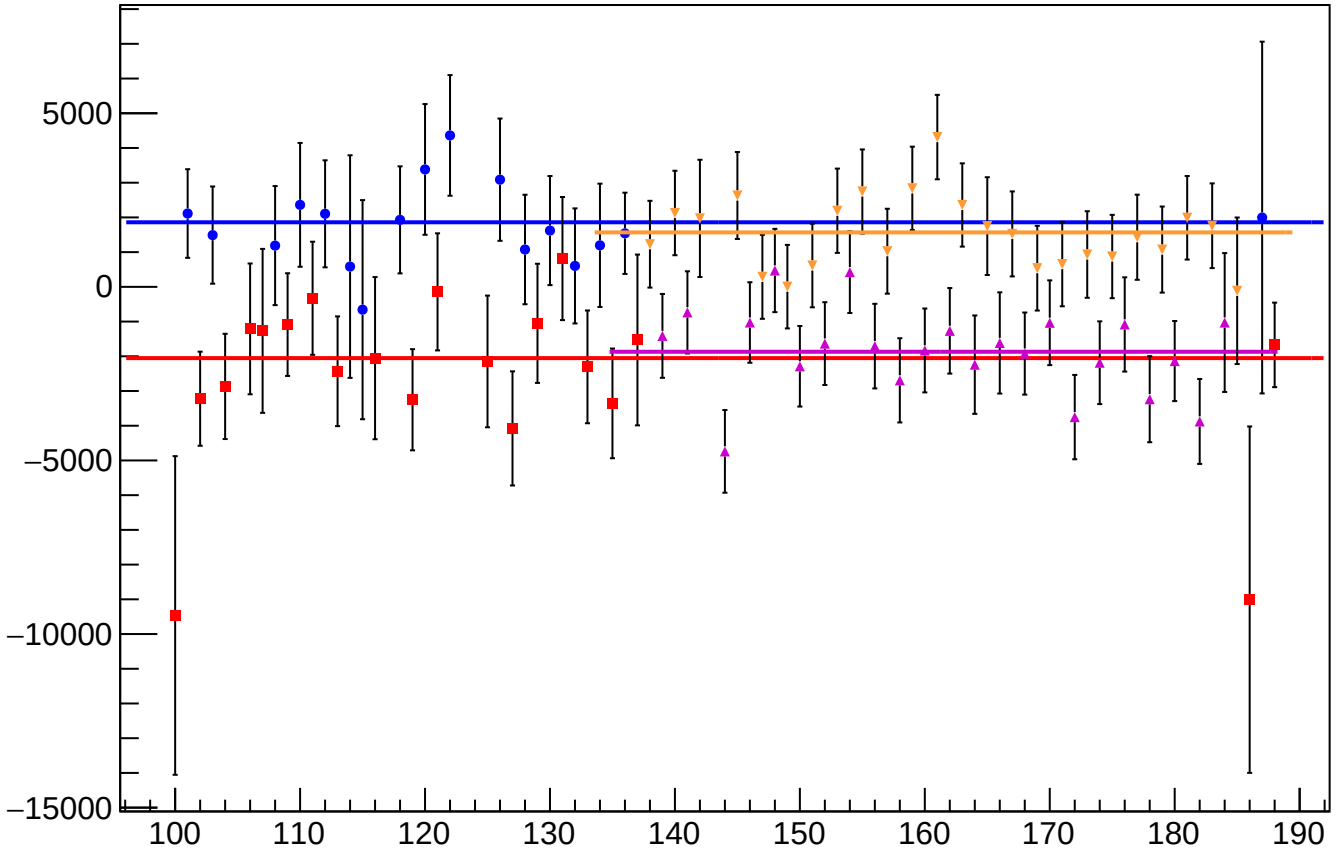
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1178.695+/-0.173 χ^2/NDF: 5050606.3/40

All: 1181.223+/-0.122 χ^2/NDF: 10598320.9/8

- sign 1183.689+/-0.171 χ^2/NDF: 5547292.7/42

overload_cor_asym_usl_mean vs Slug



Right In: 1859.573+/-407.842 χ^2/NDF: 5.4/16

Left Out: 1568.786+/-256.294 χ^2/NDF:15.4/23

Right Out: -2052.460+/-386.451 χ^2/NDF: 14.8/19

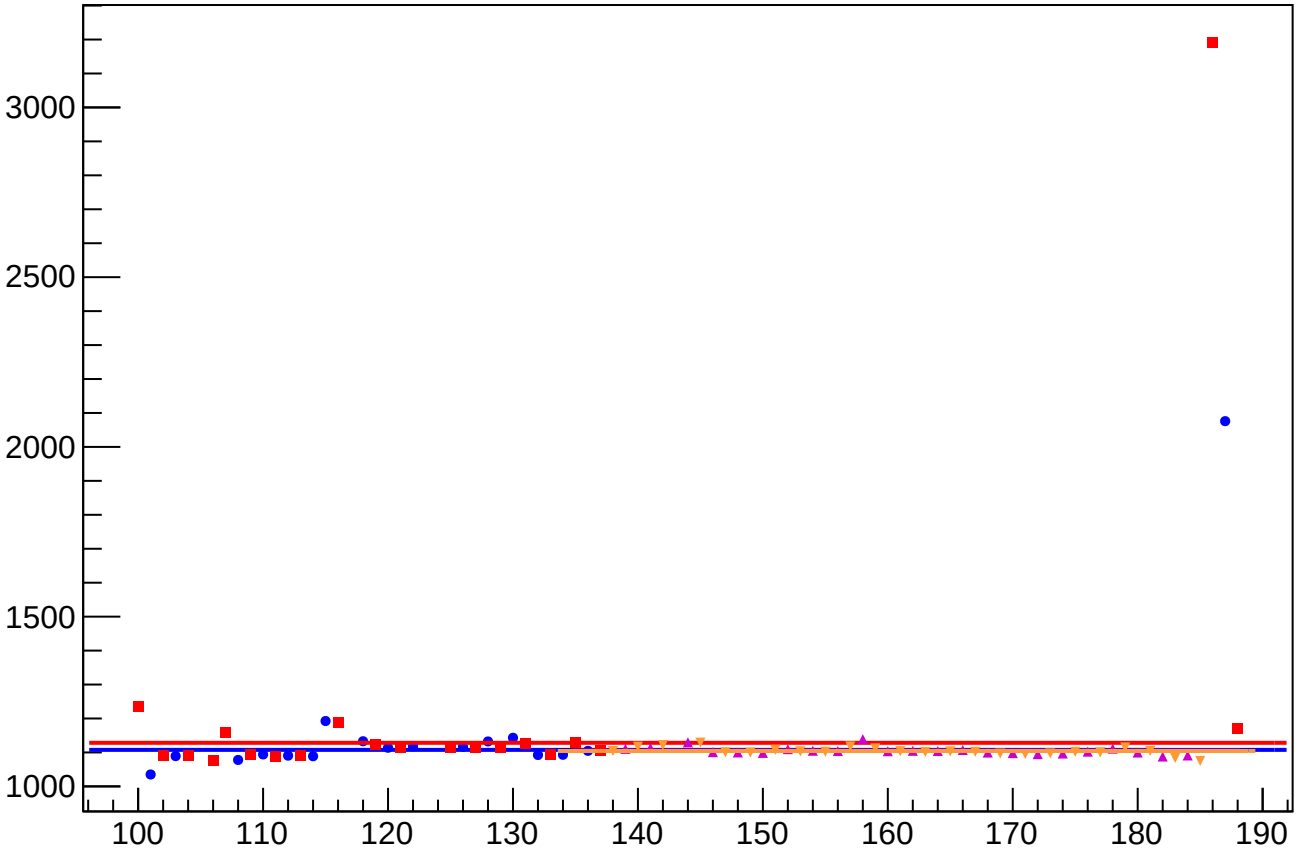
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1651.109+/-217.003 χ^2/NDF: 21.2/40

All: -157.007+/-152.599 χ^2/NDF: 196.9/83

- sign -1925.827+/-214.632 χ^2/NDF: 38.4/42

overload_cor_asym_usl_rms vs Slug



Right In: 1107.572+/-0.288 χ^2/NDF: 84862.0/16

Left Out: 1104.258+/-0.181 χ^2/NDF:2999.2/23

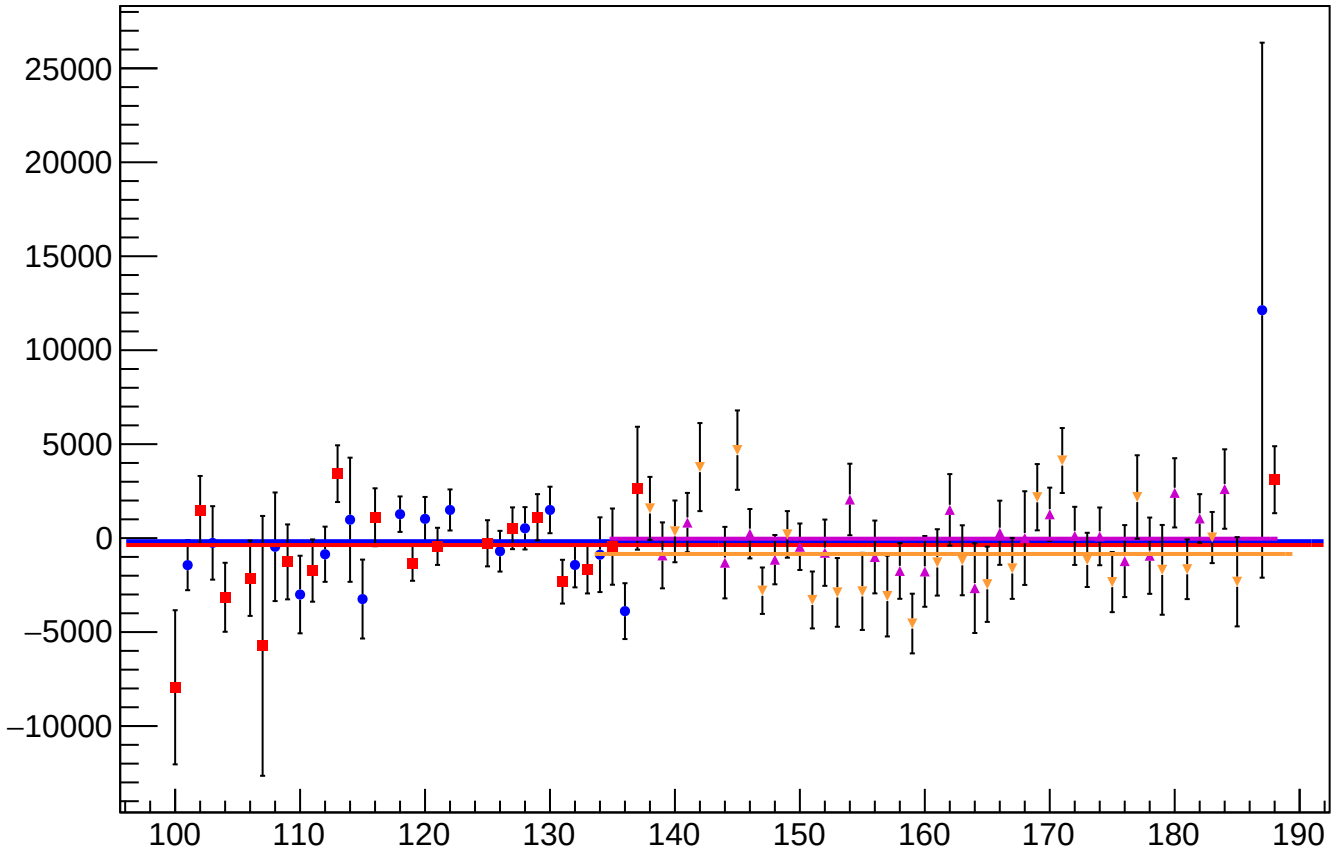
Right Out: 1128.387+/-0.273 χ^2/NDF: 356074.9/19

Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1105.196+/-0.153 χ^2/NDF: 87955.9/40

All: 1108.877+/-0.108 χ^2/NDF: 453731.6/83

- sign 1112.477+/-0.152 χ^2/NDF: 364637.6/42



Right In: -163.668+/-345.878 χ^2/NDF: 21.7/16

Left Out: -843.280+/-347.538 χ^2/NDF:44.0/23

Right Out: -367.281+/-339.247 χ^2/NDF: 27.9/18

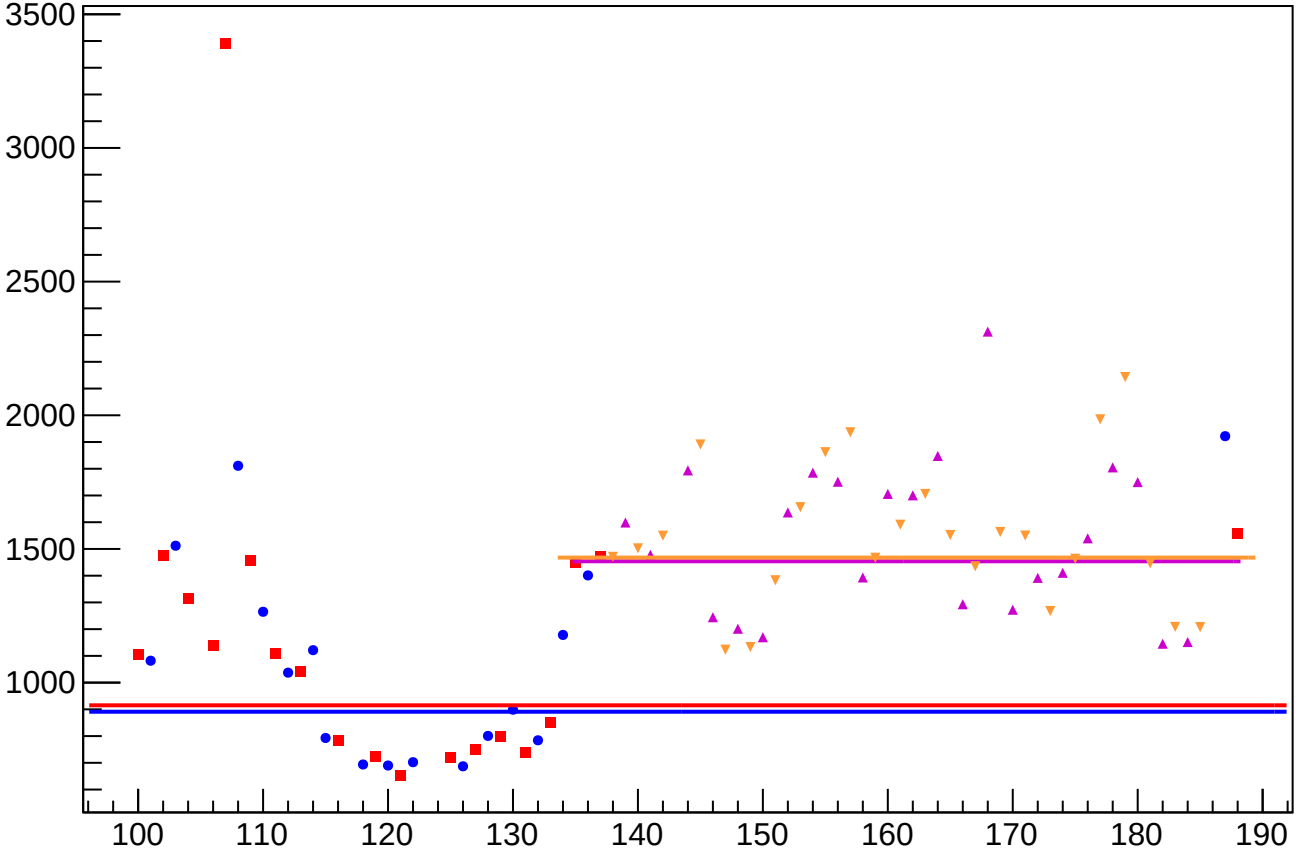
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -501.847+/-245.158 χ^2/NDF: 67.6/40

All: -350.523+/-172.330 χ^2/NDF: 109.8/82

- sign -202.720+/-242.289 χ^2/NDF: 41.4/41

asym_usl_overload_cor_correction_rms vs Slug



Right In: 891.103+/-0.245 χ^2/NDF: 1139231.6/16

Left Out: 1467.697+/-0.246 χ^2/NDF:1041877.5/23

Right Out: 915.093+/-0.240 χ^2/NDF: 1611492.8/18

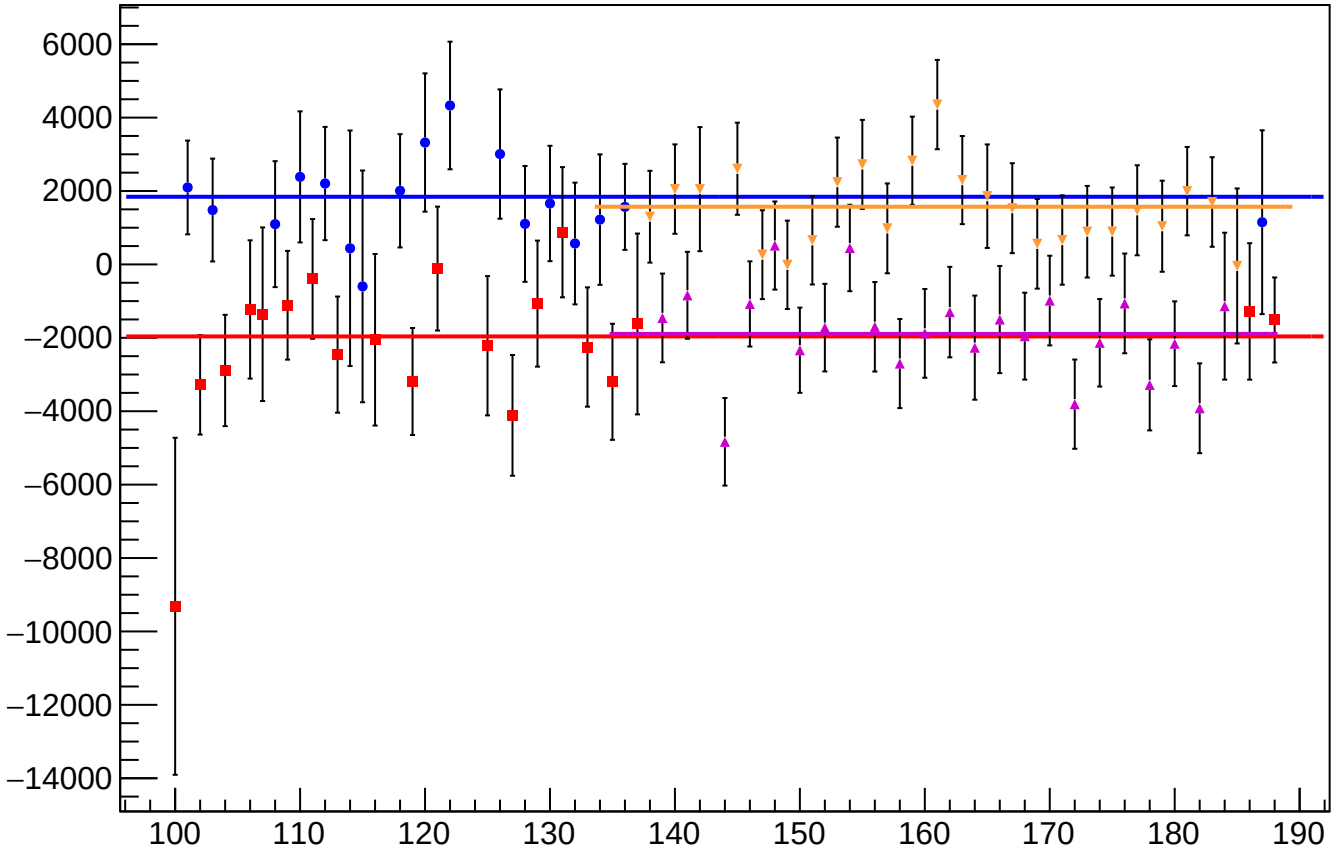
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1178.020+/-0.173 χ^2/NDF: 4946833.7/40

All: 1178.533+/-0.122 χ^2/NDF: 10157410.0/8

- sign 1179.034+/-0.171 χ^2/NDF: 5210559.0/41

eigen_cor_asym_usl_mean vs Slug



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Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: -1961.894+/-377.810 χ^2/NDF: 12.9/19

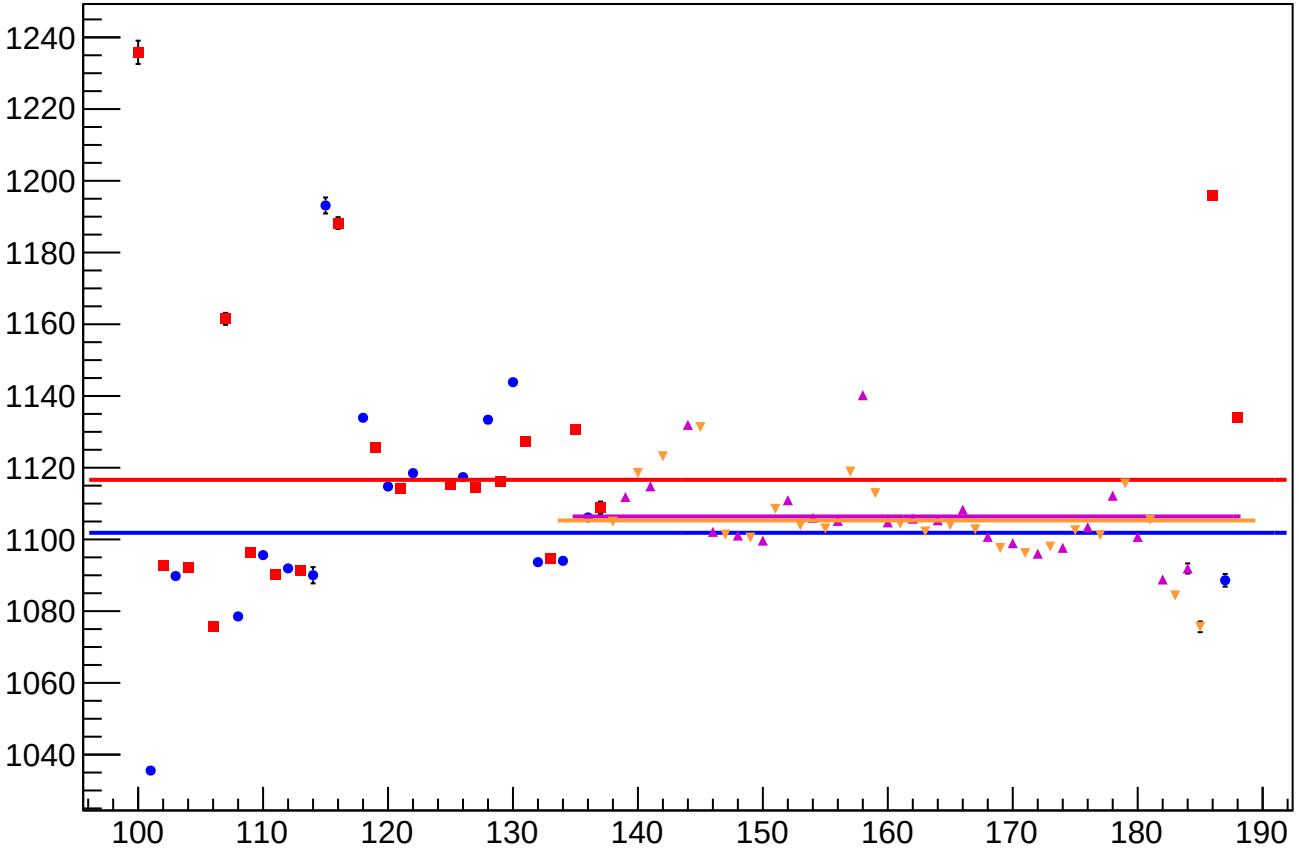
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1649.156+/-216.588 χ^2/NDF: 21.1/40

All: -160.680+/-151.958 χ^2/NDF: 195.6/83

- sign -1915.185+/-213.252 χ^2/NDF: 37.0/42

eigen_cor_asym_usl_rms vs Slug



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Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

Right Out: 1116.621+/-0.267 χ^2/NDF: 12227.1/19

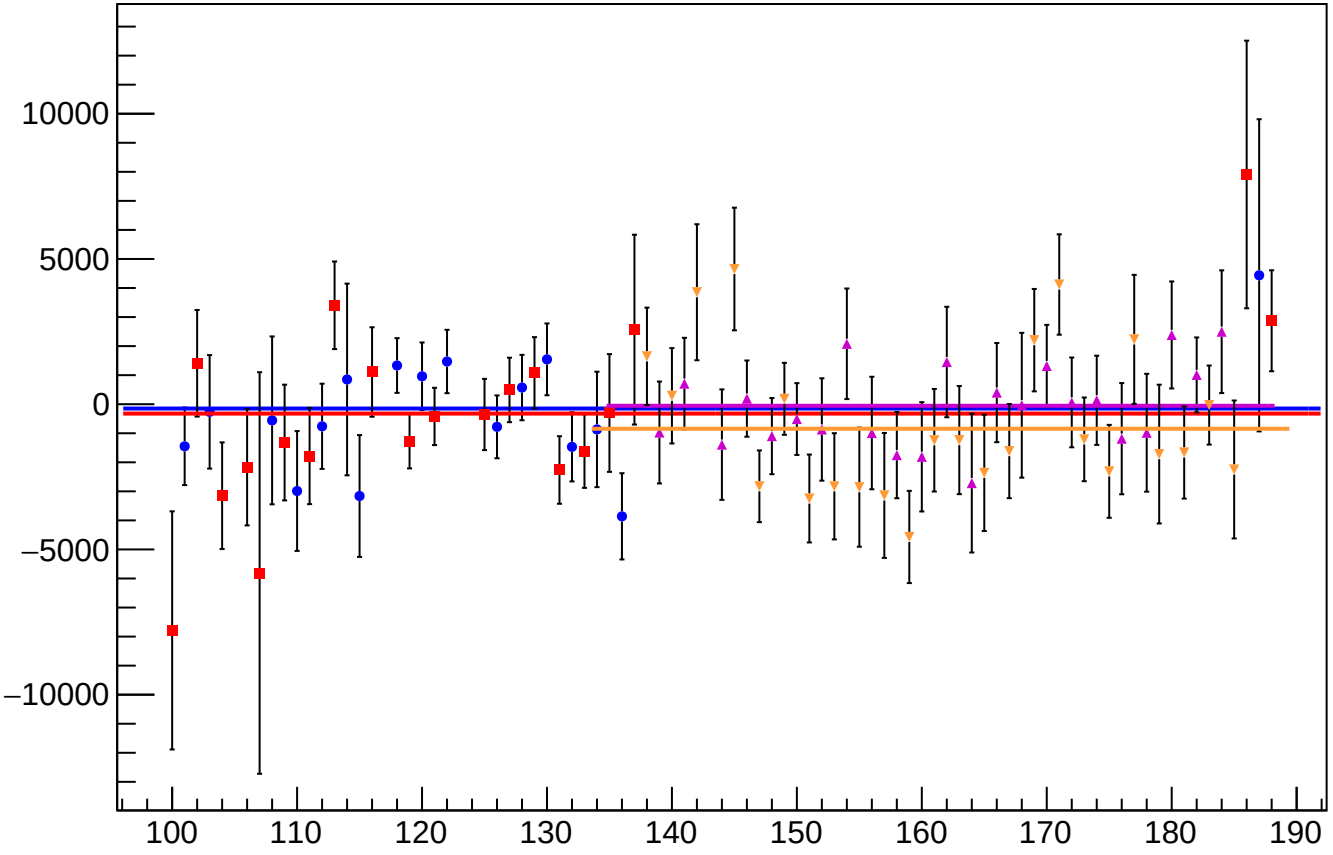
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1104.305+/-0.153 χ^2/NDF: 14671.6/40

All: 1107.024+/-0.107 χ^2/NDF: 32292.1/83

- sign 1109.660+/-0.151 χ^2/NDF: 16999.9/42

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -148.937+/-344.730 χ^2/NDF: 21.7/16

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -322.955+/-337.536 χ^2/NDF: 30.1/19

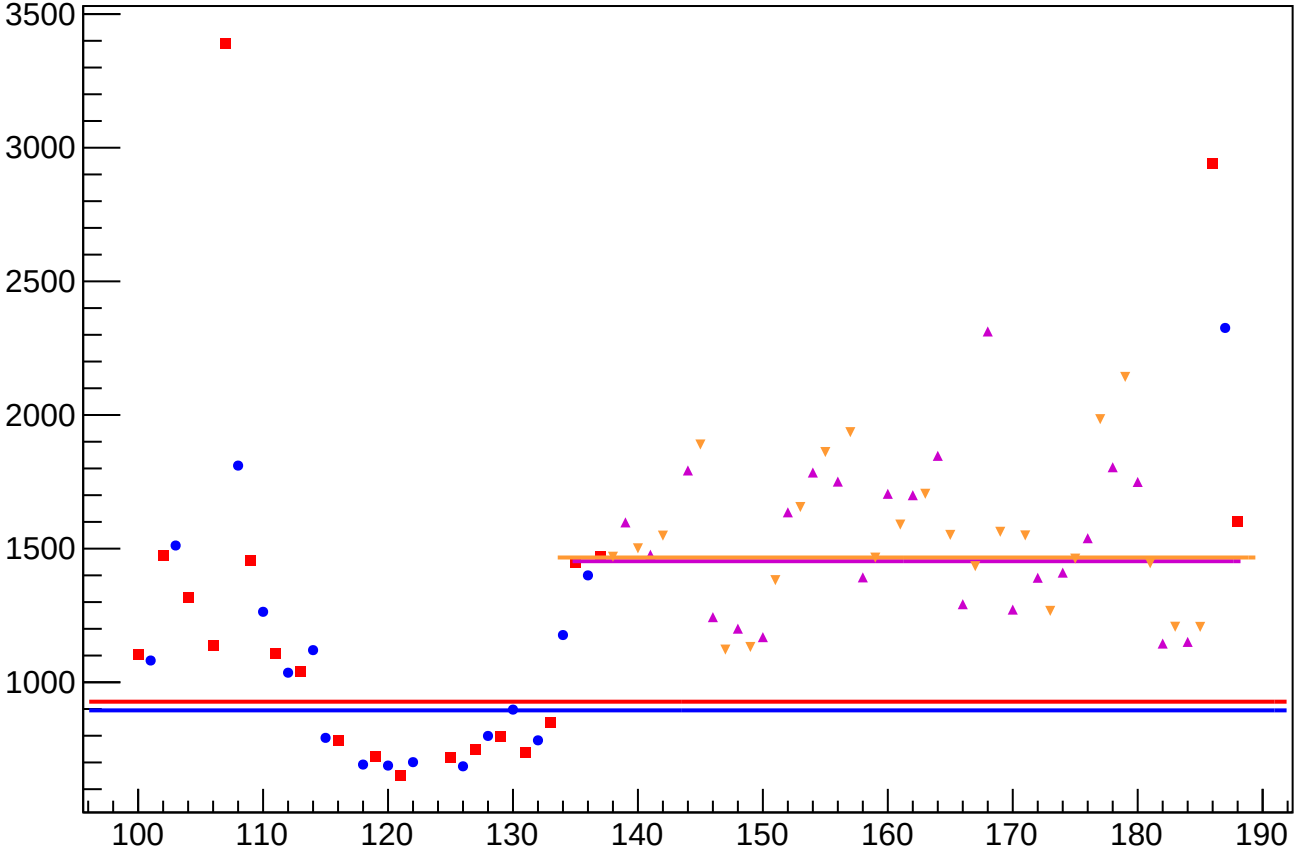
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -494.162+/-244.681 χ^2/NDF: 67.9/40

All: -341.147+/-171.915 χ^2/NDF: 112.2/83

- sign -191.962+/-241.598 χ^2/NDF: 43.5/42

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 894.869+/-0.244 χ^2/NDF: 1275164.2/16

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 927.352+/-0.239 χ^2/NDF: 2052456.3/19

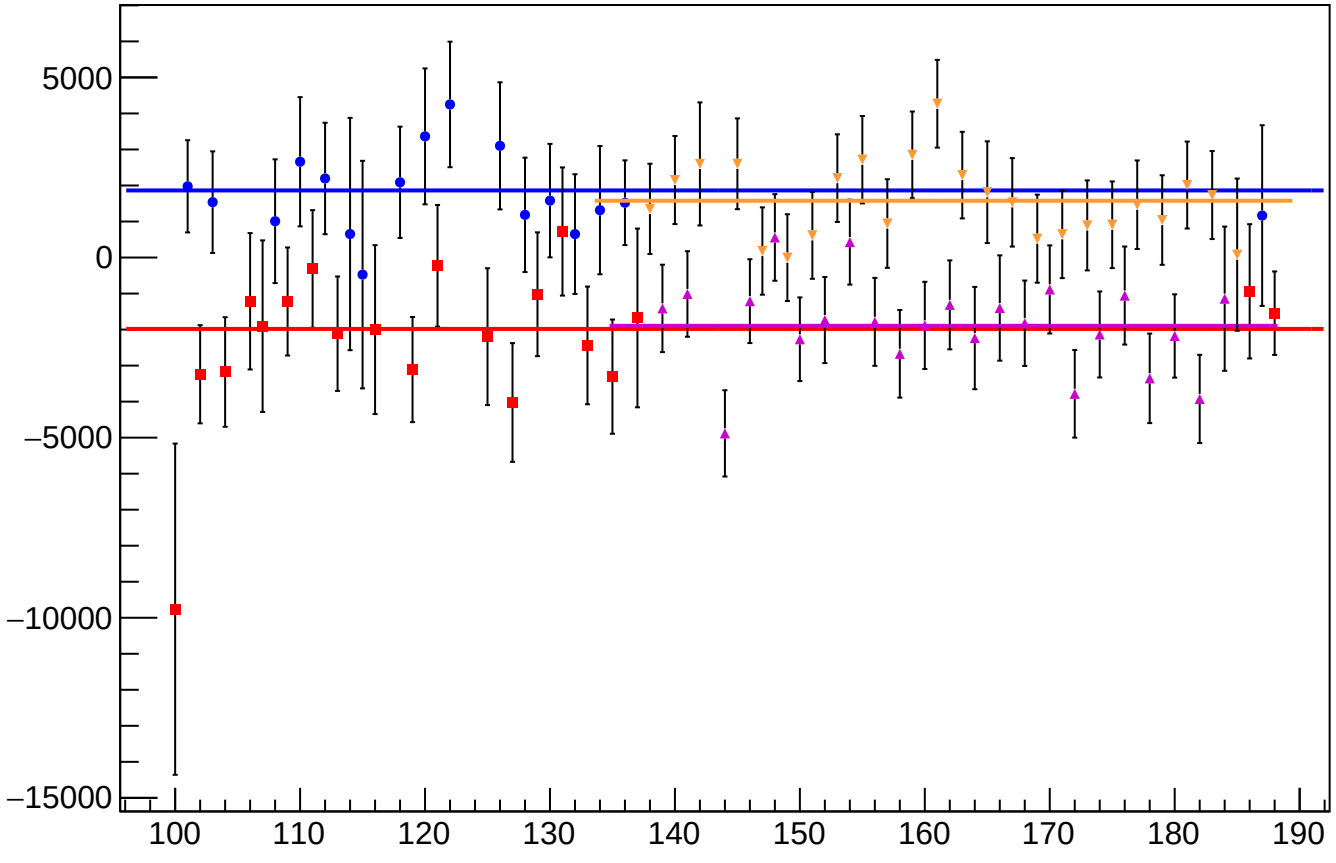
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1178.695+/-0.173 χ^2/NDF: 5050606.3/40

All: 1181.223+/-0.122 χ^2/NDF: 10598320.9/8

- sign 1183.689+/-0.171 χ^2/NDF: 5547292.7/42

dit_asym_usl_mean vs Slug



Right In: 1862.810+/-405.302 χ^2/NDF: 5.3/16

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: -1981.316+/-379.081 χ^2/NDF: 12.9/19

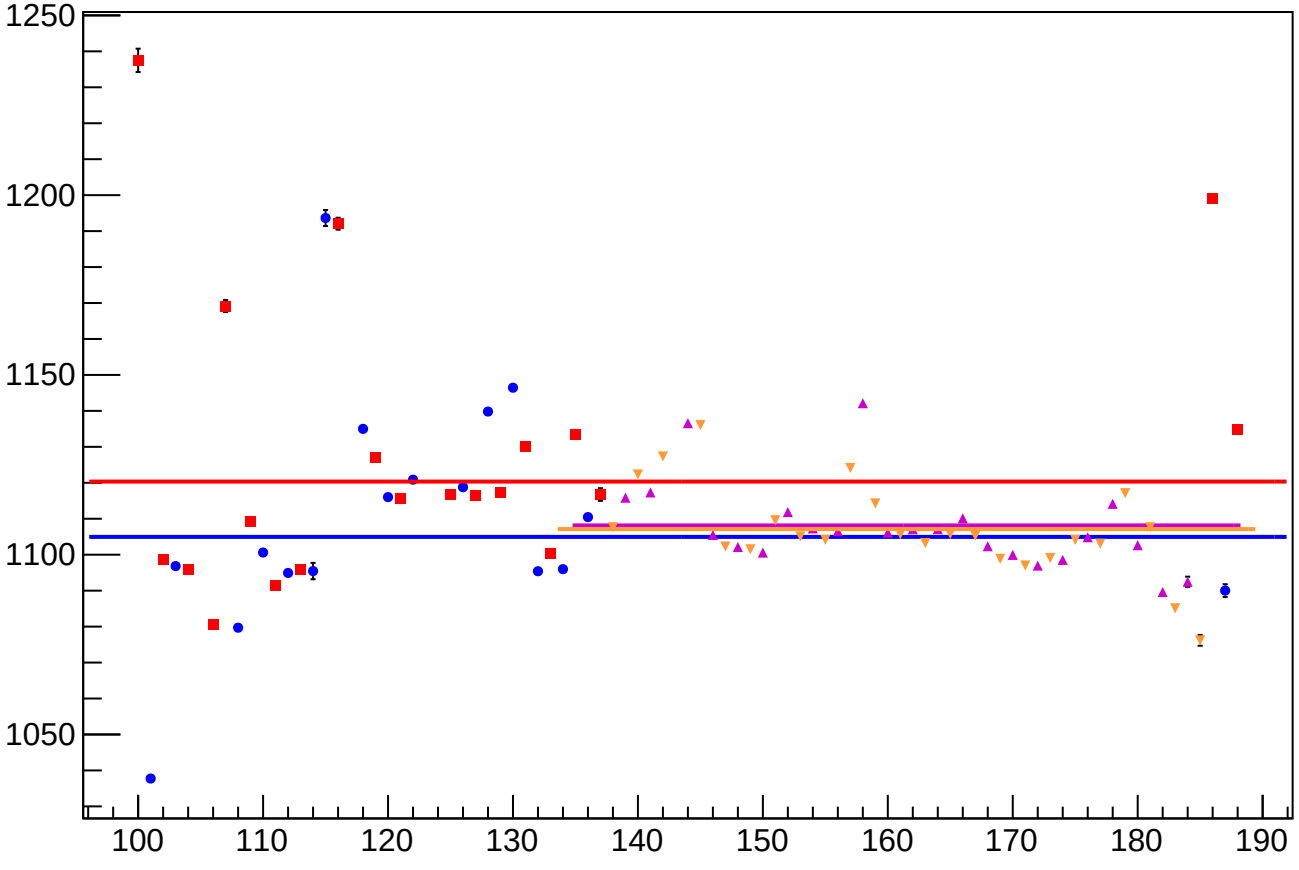
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1659.251+/-217.045 χ^2/NDF: 21.2/40

All: -159.502+/-152.282 χ^2/NDF: 196.5/83

- sign -1922.807+/-213.711 χ^2/NDF: 37.0/42

dit_asym_usl_rms vs Slug



Right In: 1104.955+/-0.287 χ^2/NDF: 11403.7/16

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1120.338+/-0.268 χ^2/NDF: 11582.1/19

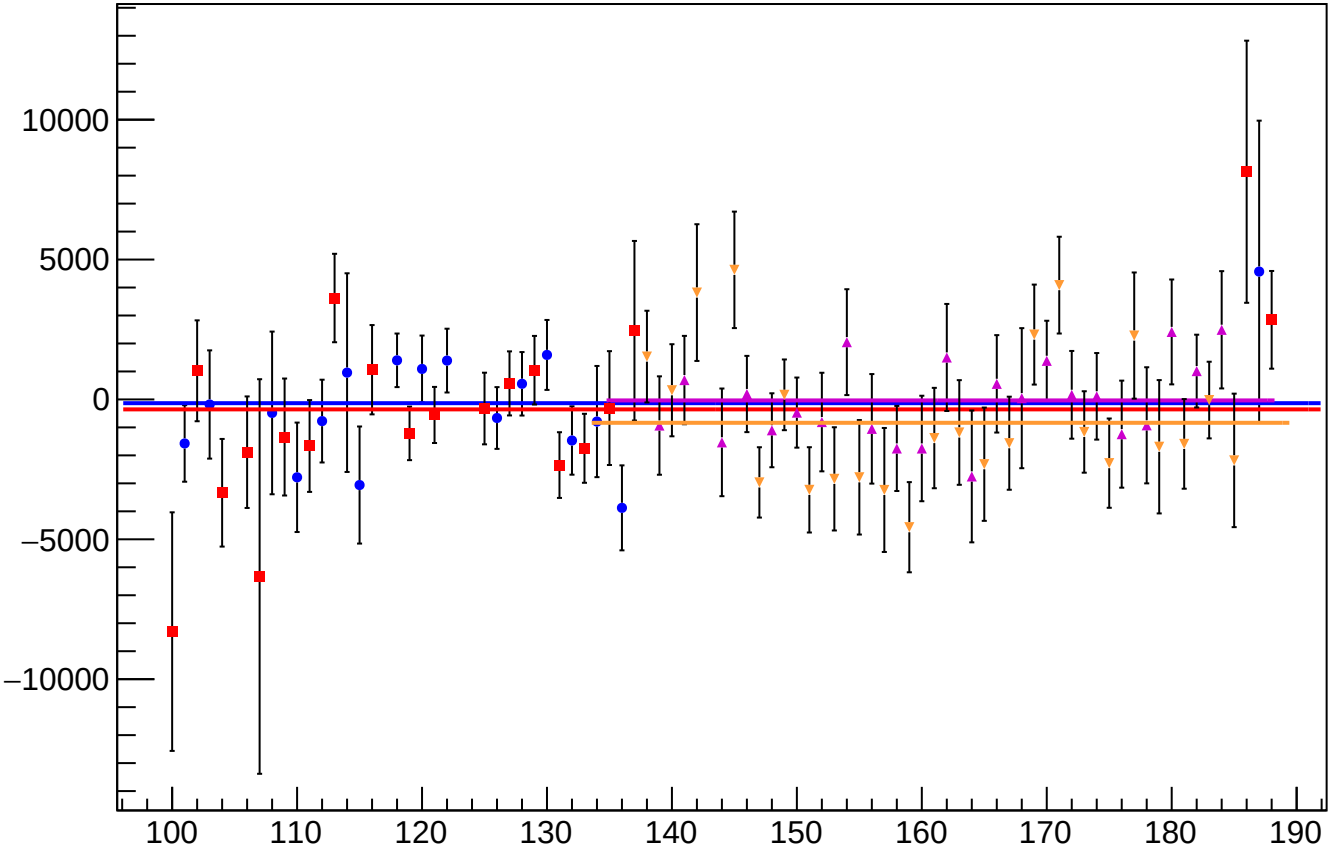
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1106.504+/-0.153 χ^2/NDF: 15228.4/40

All: 1109.305+/-0.108 χ^2/NDF: 33068.6/83

- sign 1112.021+/-0.151 χ^2/NDF: 17184.1/42

asym_usl_dit_correction_mean vs Slug



Right In: -134.050+/-350.575 χ^2/NDF: 21.2/16

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: -355.780+/-342.641 χ^2/NDF: 30.1/19

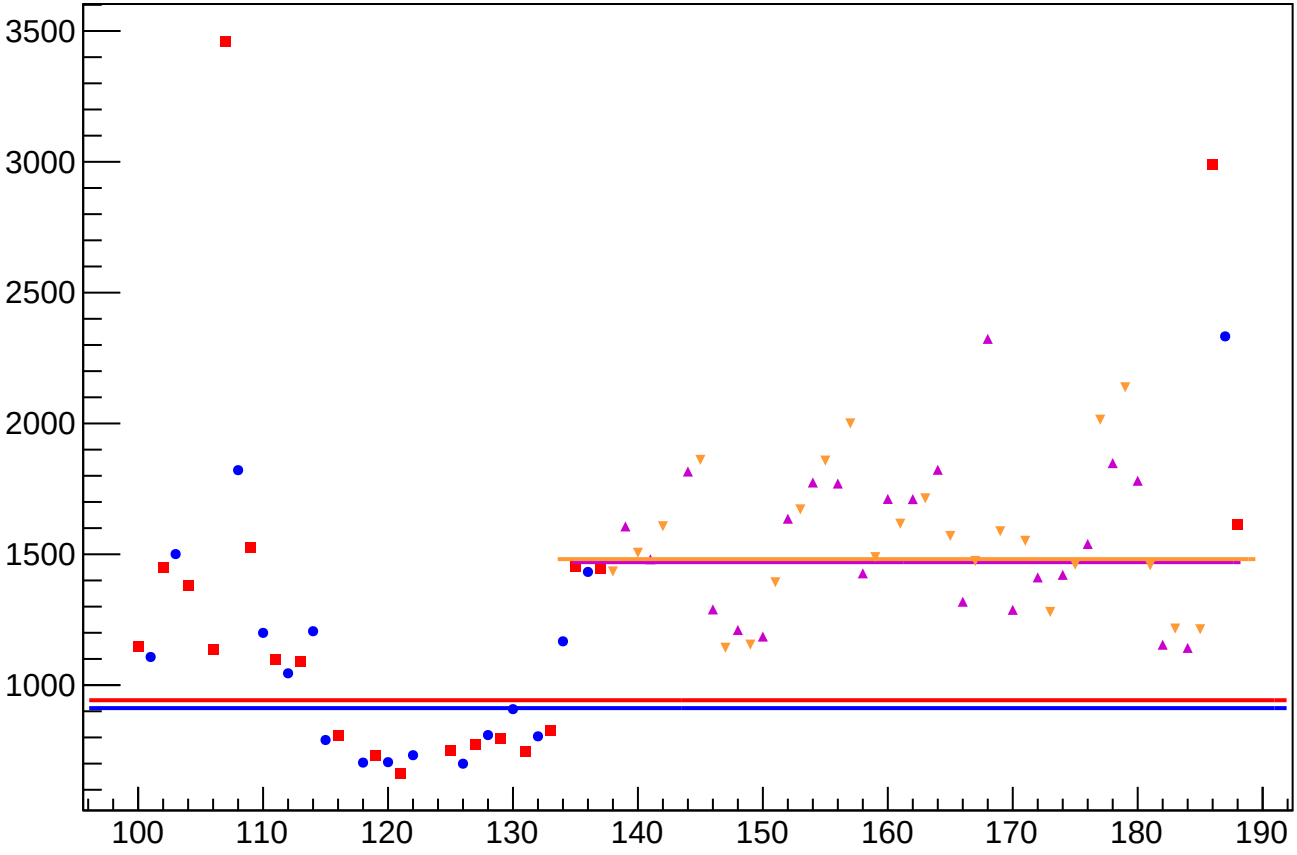
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -484.629+/-247.908 χ^2/NDF: 66.8/40

All: -339.907+/-174.159 χ^2/NDF: 111.2/83

- sign -198.884+/-244.719 χ^2/NDF: 43.7/42

asym_usl_dit_correction_rms vs Slug



Right In: 912.061+/-0.248 χ^2/NDF: 1218741.9/16

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 942.188+/-0.242 χ^2/NDF: 2040690.5/19

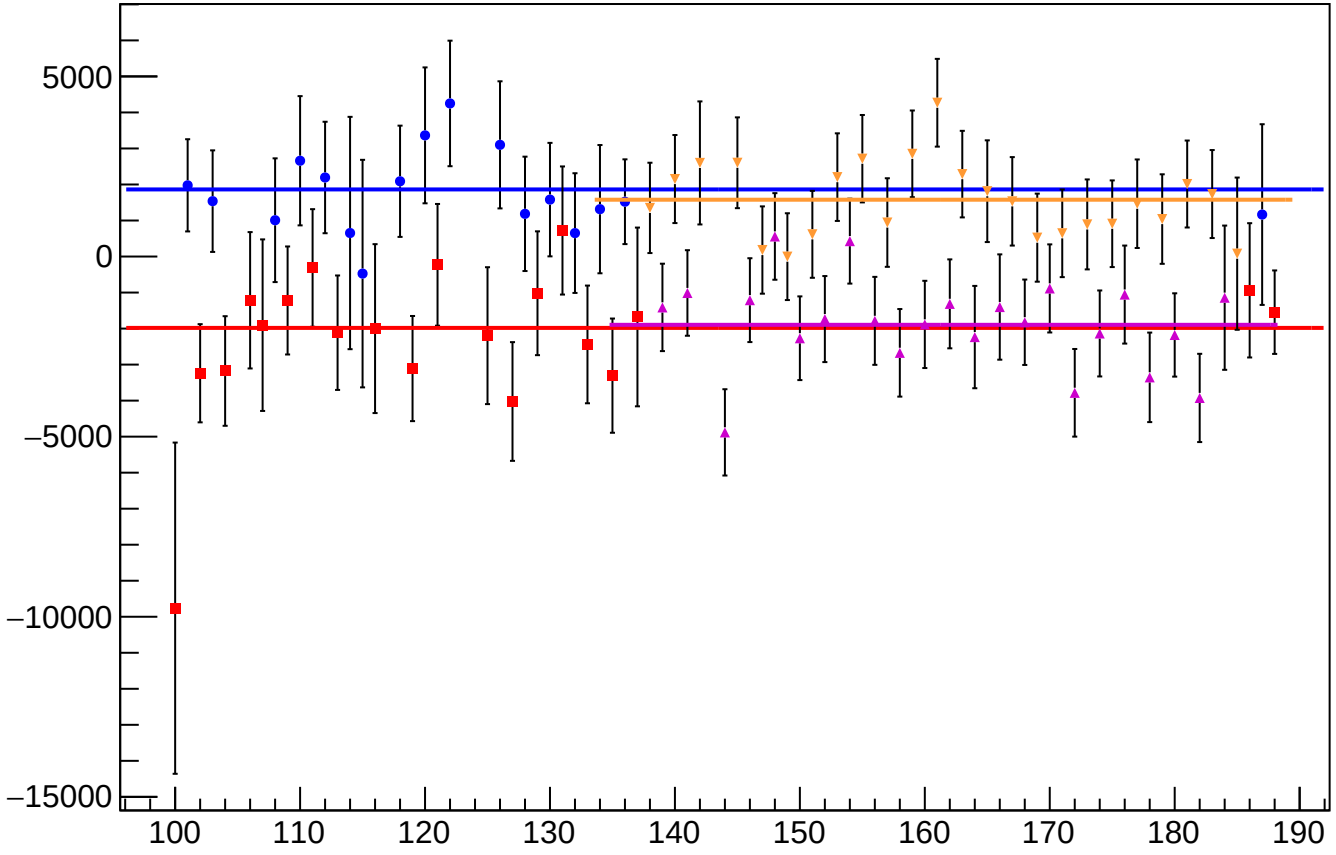
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1196.770+/-0.175 χ^2/NDF: 4874657.4/40

All: 1198.768+/-0.123 χ^2/NDF: 10334803.1/8

- sign 1200.715+/-0.173 χ^2/NDF: 5459889.1/42

eigen_dit_asym_usl_mean vs Slug



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All: -159.504+/-152.282 χ^2/NDF: 196.5/83

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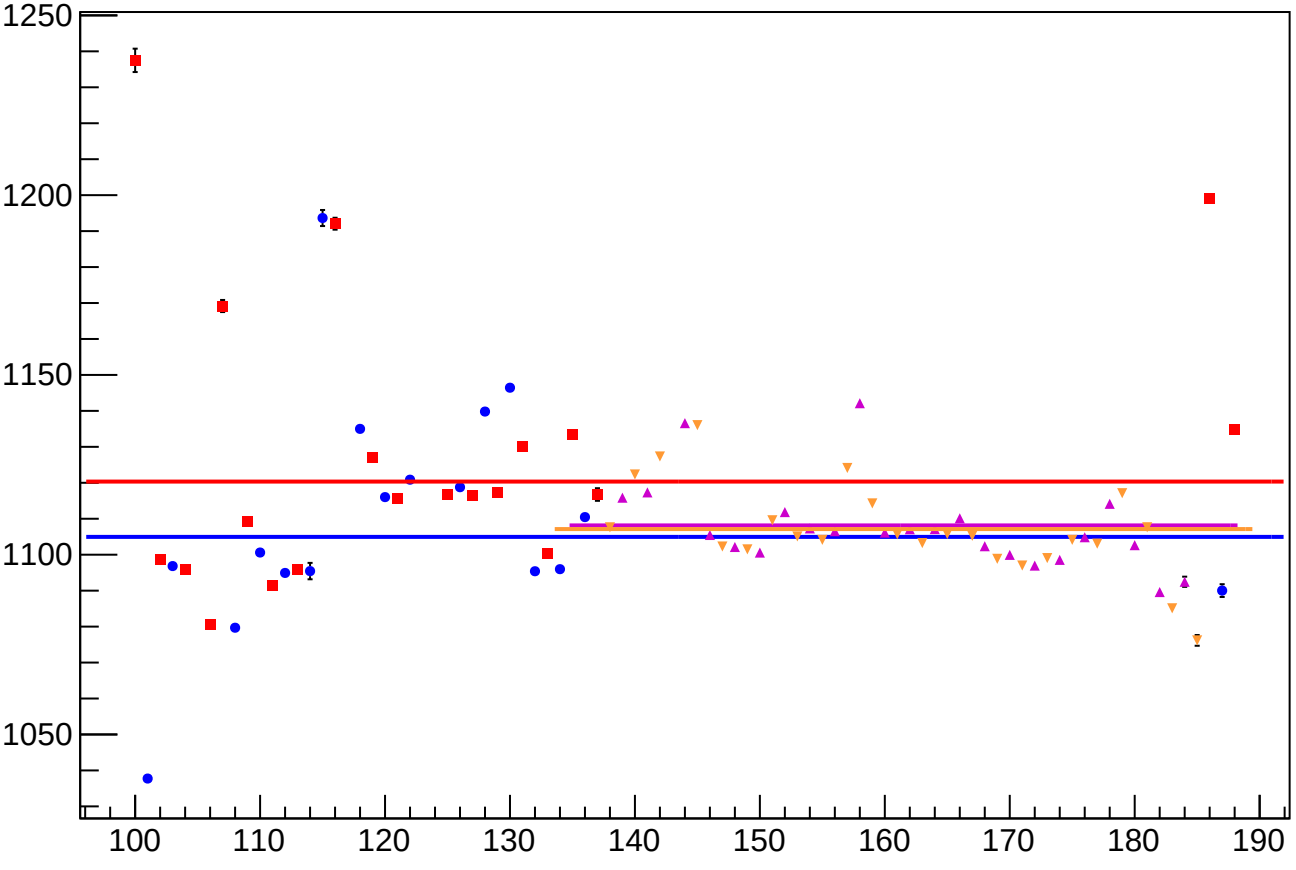
eigen_dit_asym_usl_rms vs Slug



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Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1120.338+/-0.268 χ^2/NDF: 11582.1/19

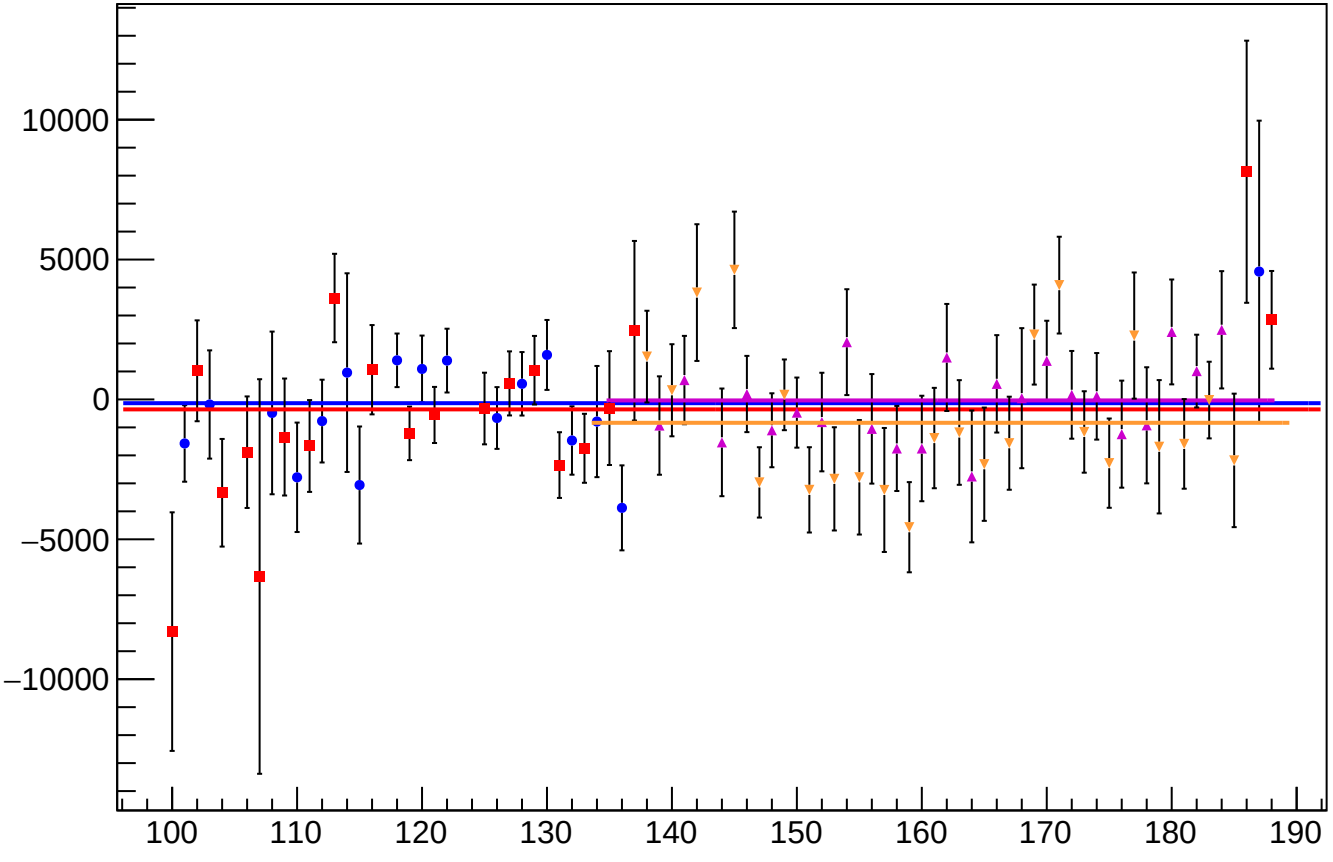
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1106.504+/-0.153 χ^2/NDF: 15228.4/40

All: 1109.305+/-0.108 χ^2/NDF: 33068.6/83

- sign 1112.021+/-0.151 χ^2/NDF: 17184.1/42

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -134.049+/-350.574 χ^2/NDF: 21.2/16

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: -355.780+/-342.640 χ^2/NDF: 30.1/19

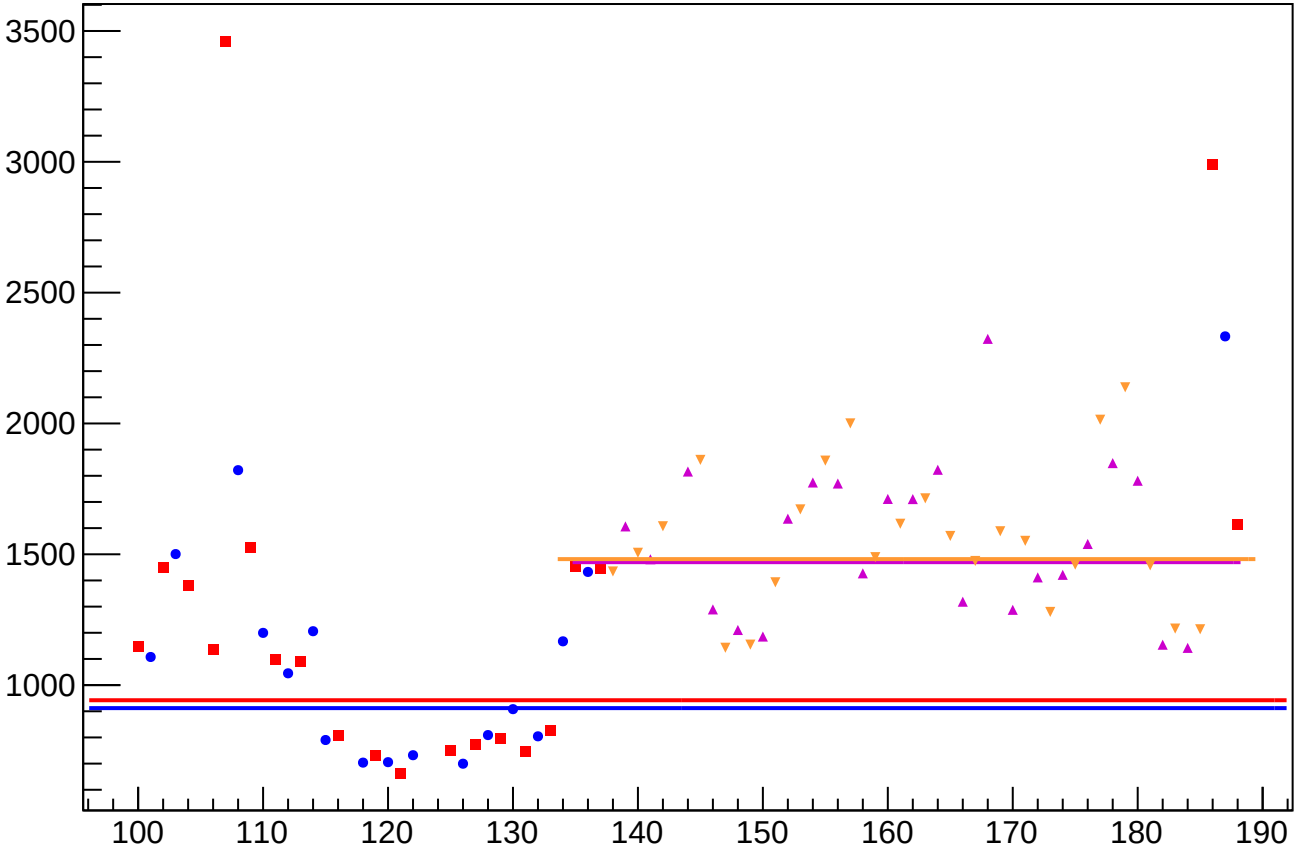
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -484.629+/-247.908 χ^2/NDF: 66.8/40

All: -339.907+/-174.159 χ^2/NDF: 111.2/83

- sign -198.885+/-244.719 χ^2/NDF: 43.7/42

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 912.059+/-0.248 χ^2/NDF: 1218747.0/16

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 942.185+/-0.242 χ^2/NDF: 2040697.1/19

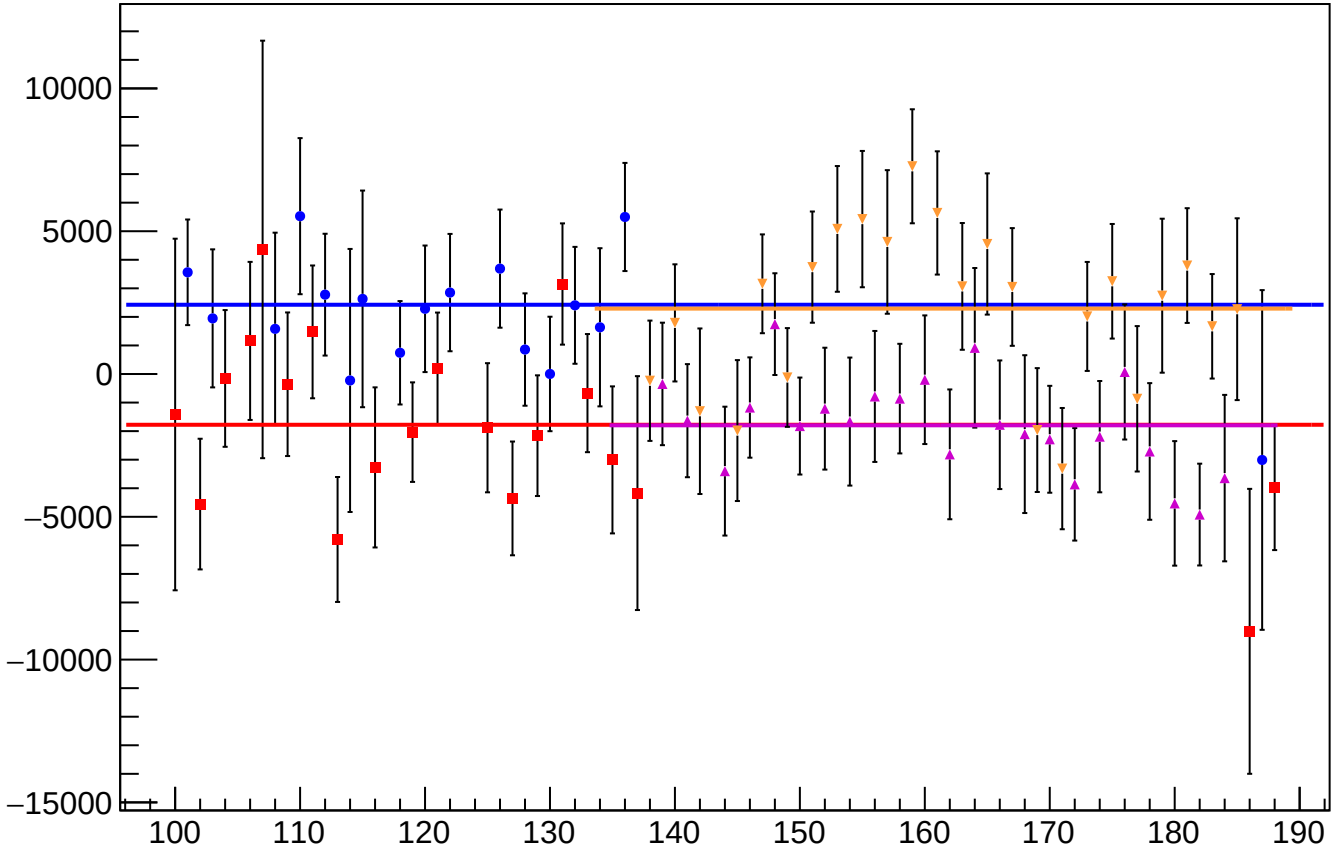
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

\+ sign 1196.769+/-0.175 χ^2/NDF: 4874693.9/40

All: 1198.767+/-0.123 χ^2/NDF: 10334877.1/8

\- sign 1200.714+/-0.173 χ^2/NDF: 5459926.7/42

asym_usl_mean vs Slug



Right In: 2425.397+/-560.293 χ^2/NDF: 9.1/16

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: -1777.337+/-542.382 χ^2/NDF: 21.8/19

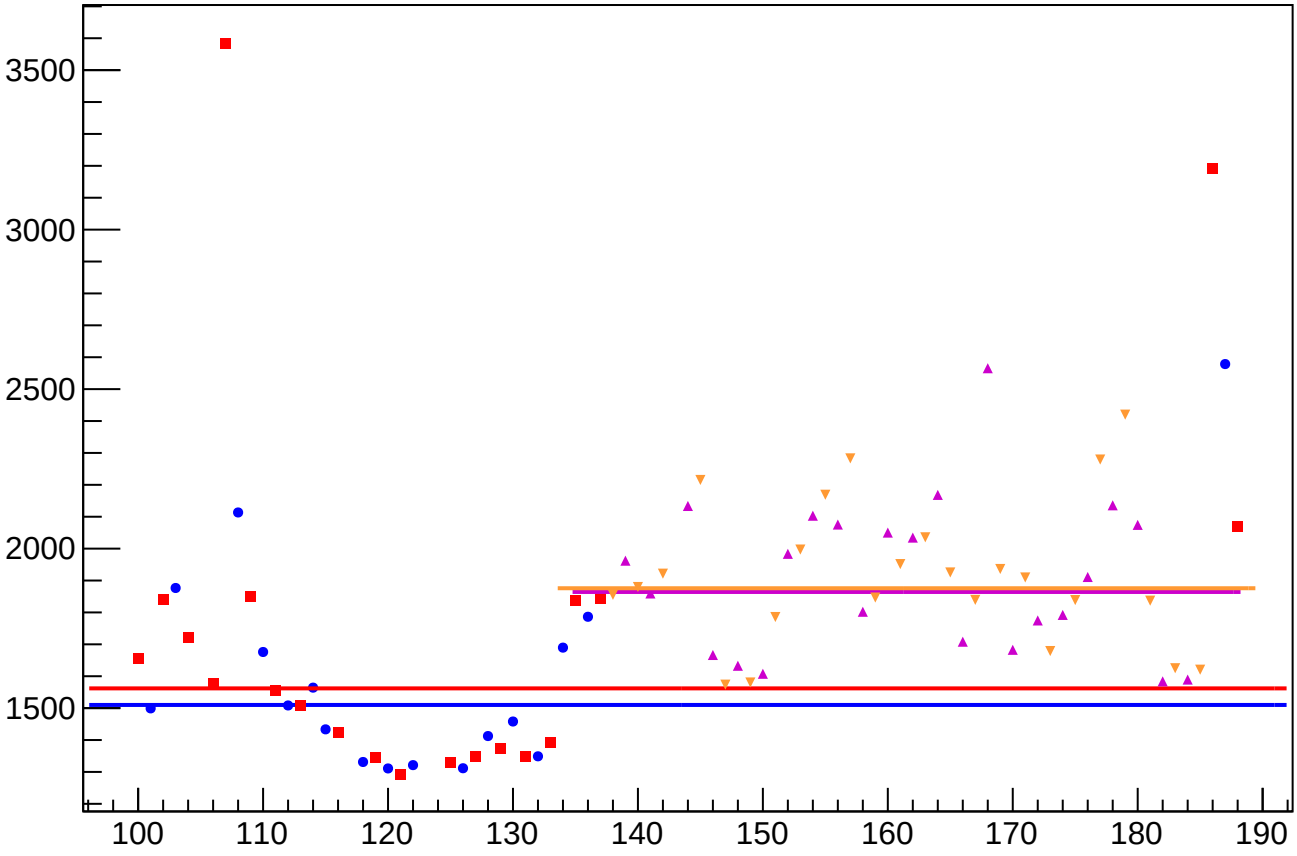
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2341.365+/-345.722 χ^2/NDF: 45.1/40

All: 249.699+/-242.884 χ^2/NDF: 153.5/83

- sign -1788.796+/-341.300 χ^2/NDF: 36.1/42

asym_usl_rms vs Slug



Right In: 1509.946+/-0.396 χ^2/NDF: 323936.0/16

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1561.880+/-0.384 χ^2/NDF: 742135.4/19

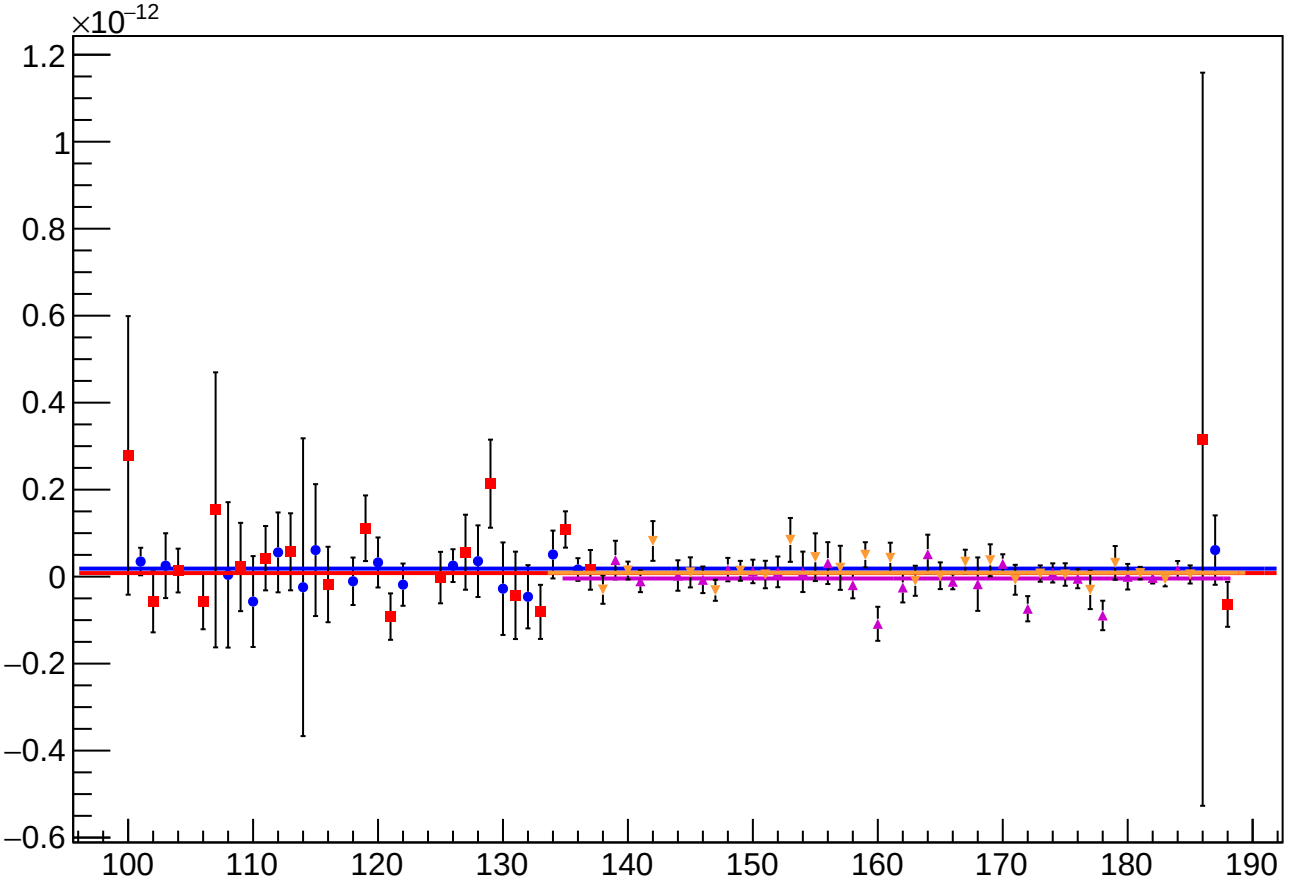
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1736.518+/-0.244 χ^2/NDF: 1324615.9/40

All: 1740.544+/-0.172 χ^2/NDF: 2953122.7/83

- sign 1744.468+/-0.241 χ^2/NDF: 1627971.1/42

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

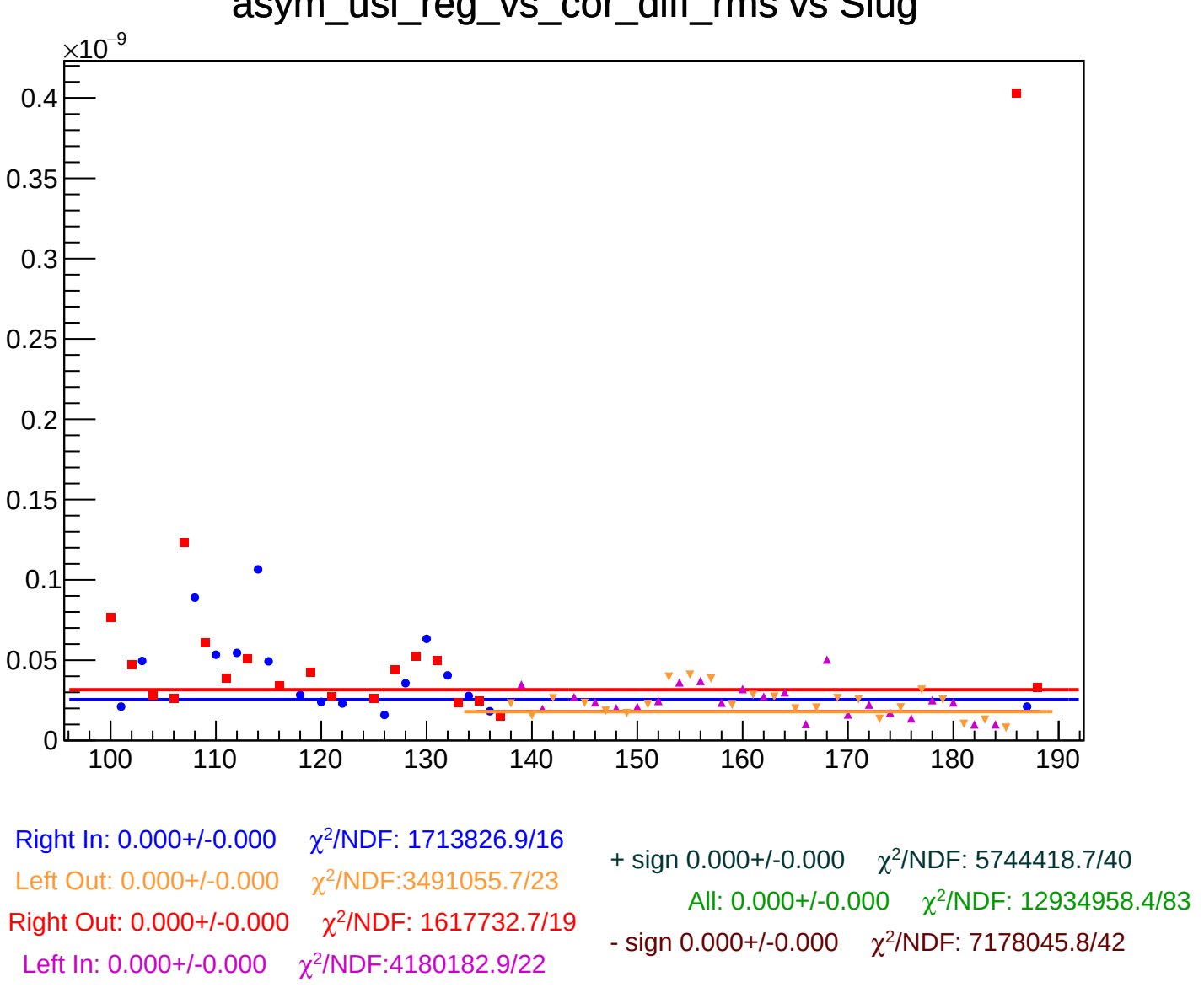
Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/19

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

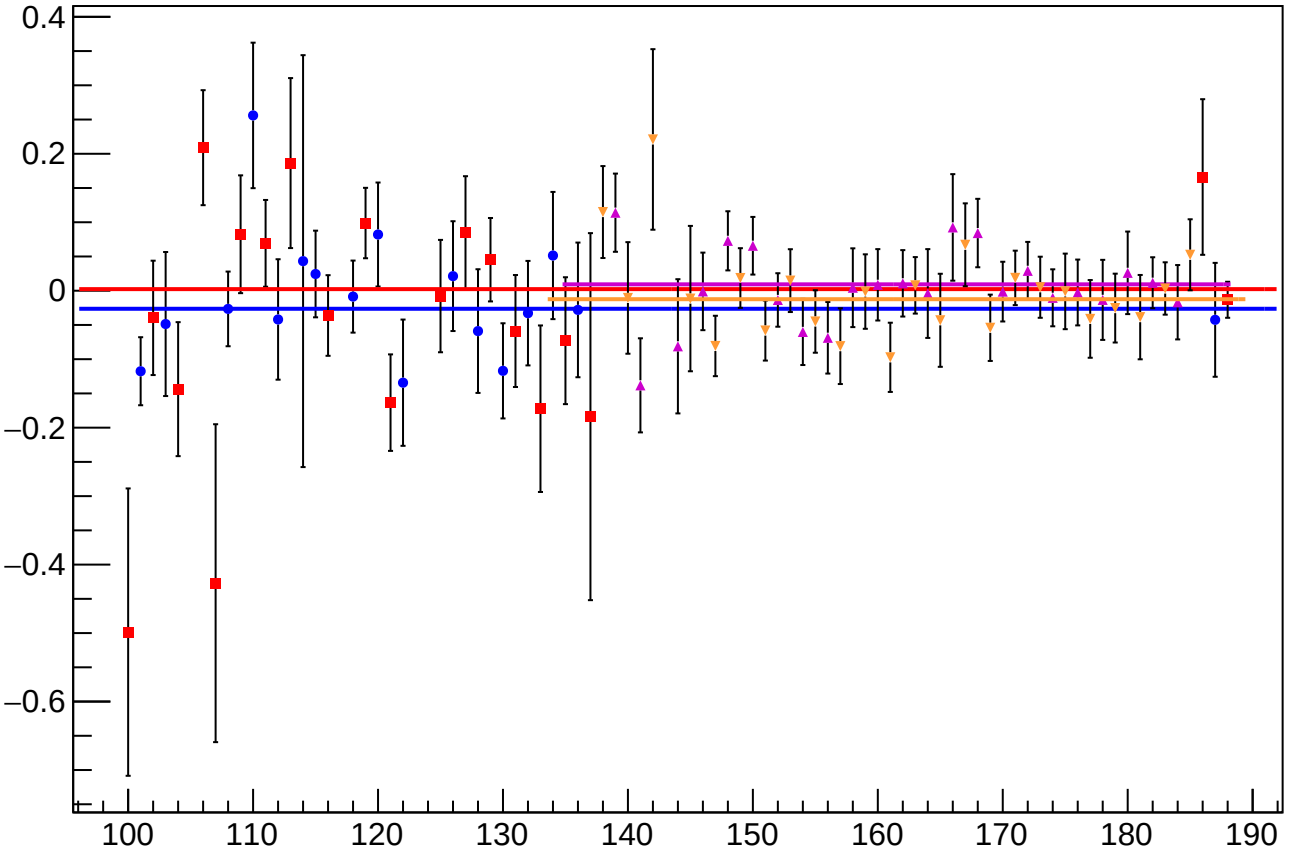
+ sign 0.000+/-0.000 χ^2/NDF: 20.7/40

All: 0.000+/-0.000 χ^2/NDF: 76.3/83

- sign -0.000+/-0.000 χ^2/NDF: 52.2/42


asym_usl_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1713826.9/16
Left Out: 0.000+/-0.000 χ²/NDF:3491055.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 1617732.7/19
Left In: 0.000+/-0.000 χ²/NDF:4180182.9/22
+ sign 0.000+/-0.000 χ²/NDF: 5744418.7/40
All: 0.000+/-0.000 χ²/NDF: 12934958.4/83
- sign 0.000+/-0.000 χ²/NDF: 7178045.8/42

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.002+/-0.015 χ^2/NDF: 39.0/19

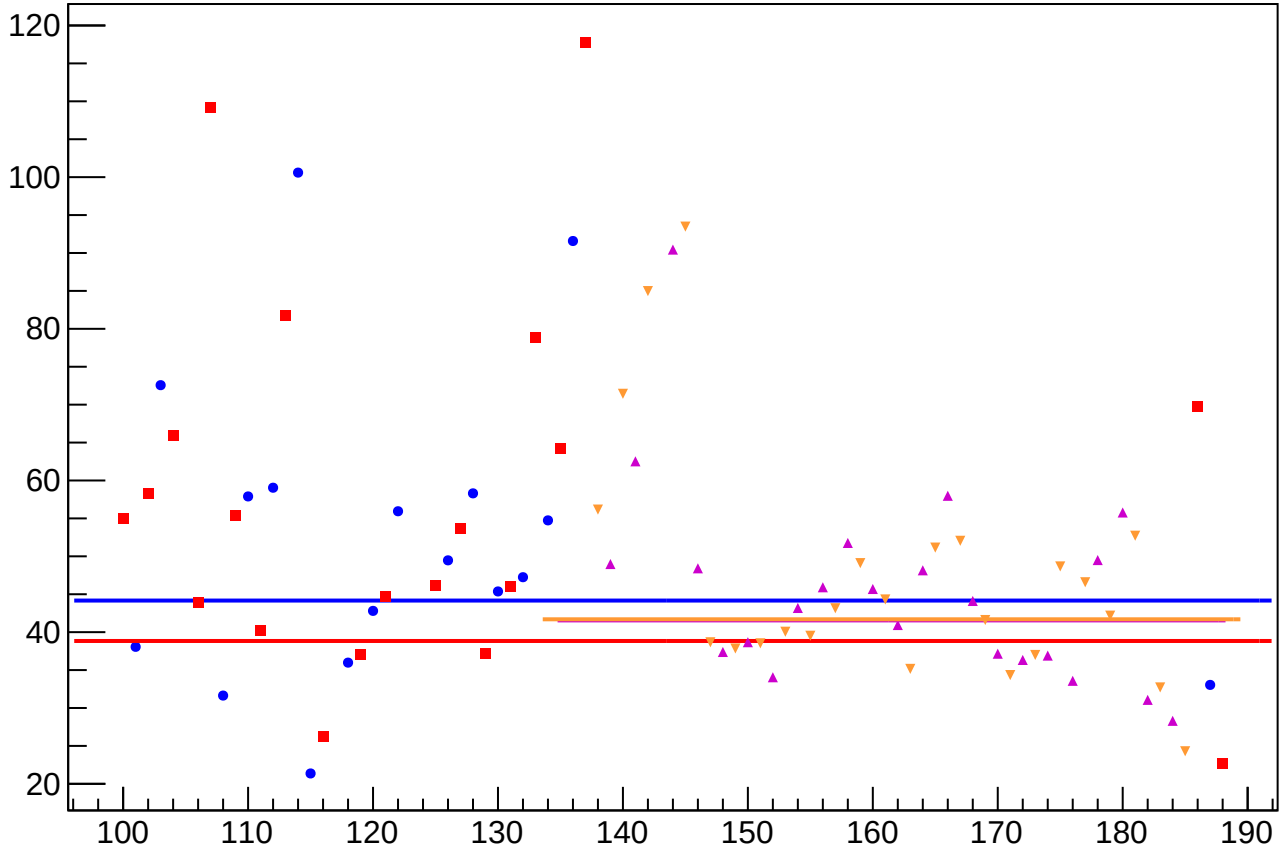
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

\+ sign -0.016+/-0.009 χ^2/NDF: 40.0/40

All: -0.004+/-0.006 χ^2/NDF: 104.4/83

\- sign 0.007+/-0.009 χ^2/NDF: 61.1/42

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 44.167+/-0.013 χ^2/NDF: 1372129.4/16

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 38.837+/-0.011 χ^2/NDF: 2420825.7/19

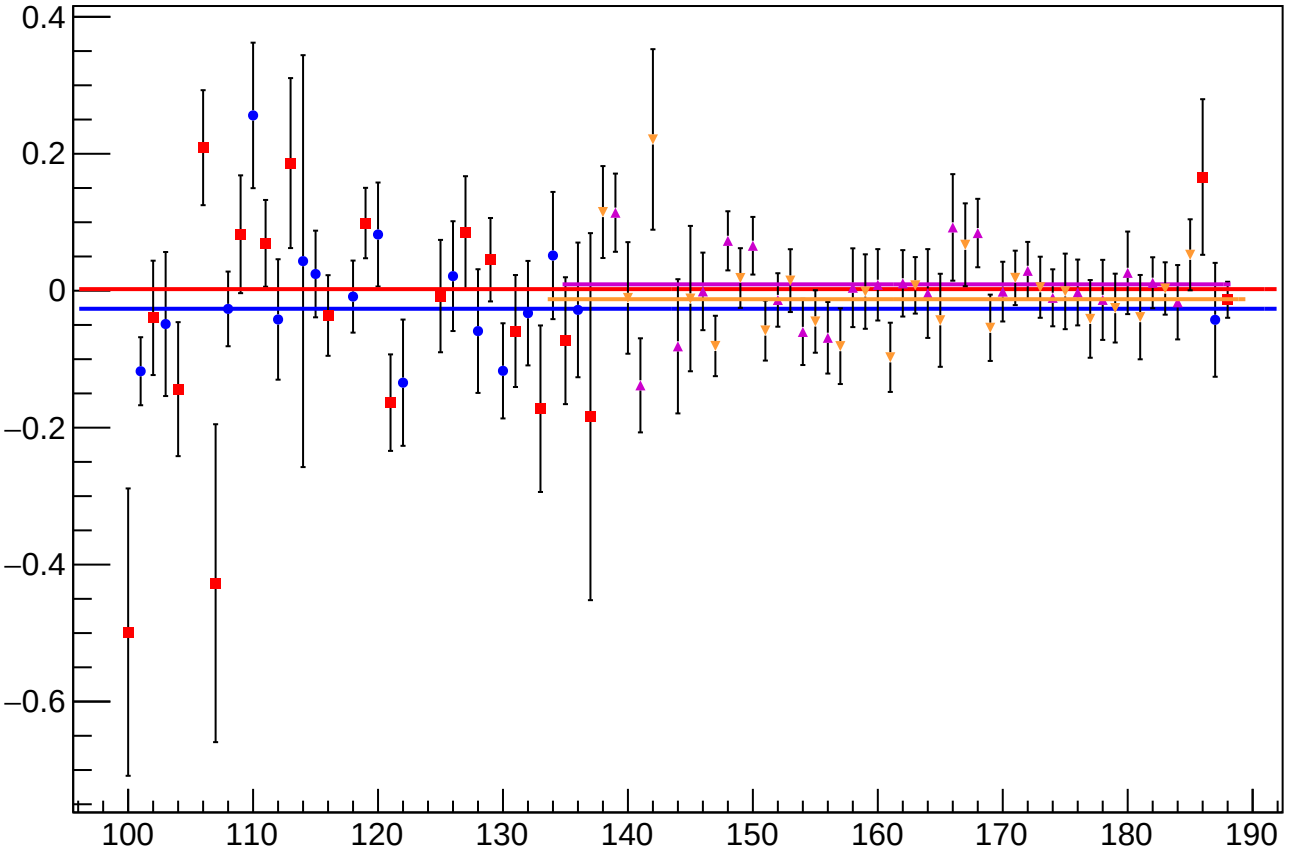
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.306+/-0.006 χ^2/NDF: 3221375.0/40

All: 41.462+/-0.004 χ^2/NDF: 7330149.6/83

- sign 40.696+/-0.006 χ^2/NDF: 4076013.7/42

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.002+/-0.015 χ^2/NDF: 39.0/19

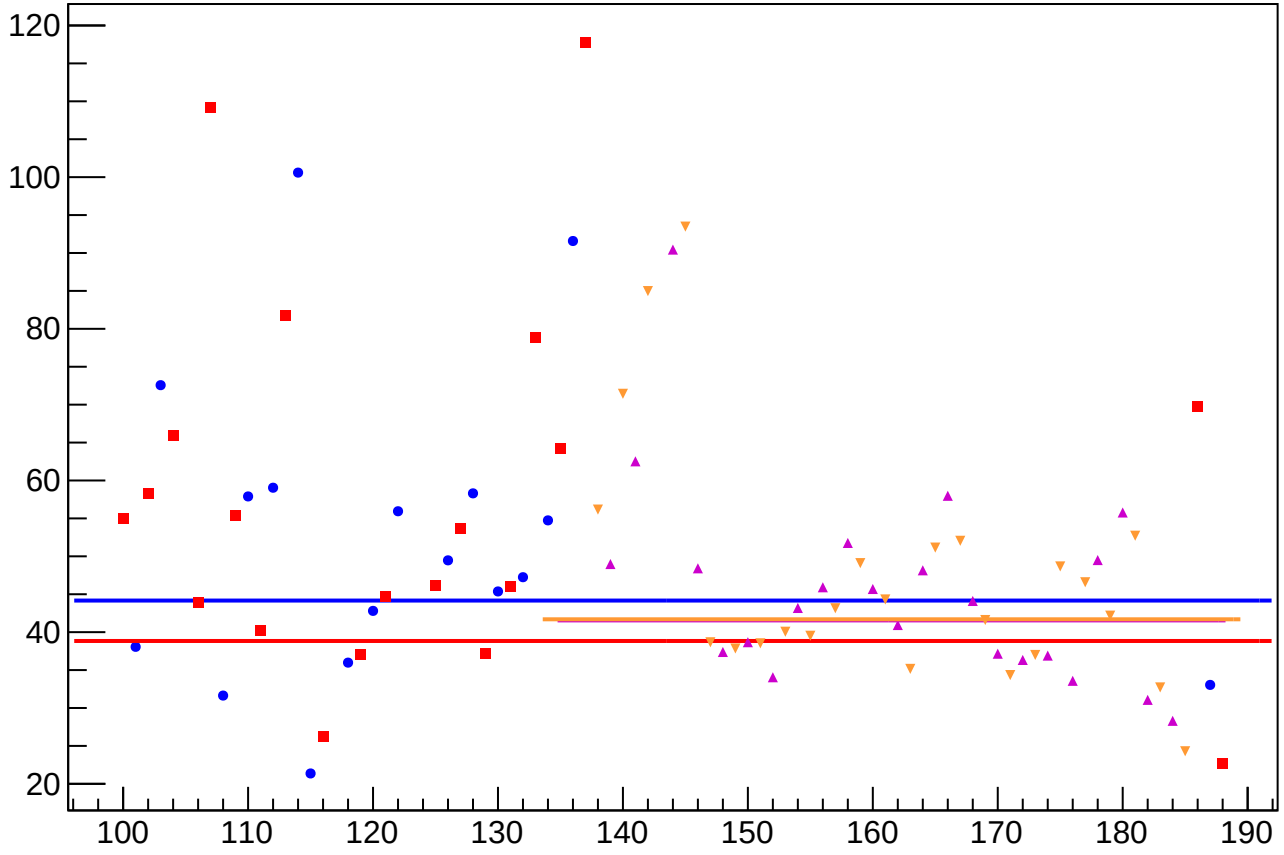
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.016+/-0.009 χ^2/NDF: 40.0/40

All: -0.004+/-0.006 χ^2/NDF: 104.4/83

- sign 0.007+/-0.009 χ^2/NDF: 61.1/42

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.167+/-0.013 χ^2/NDF: 1372129.4/16

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 38.837+/-0.011 χ^2/NDF: 2420825.7/19

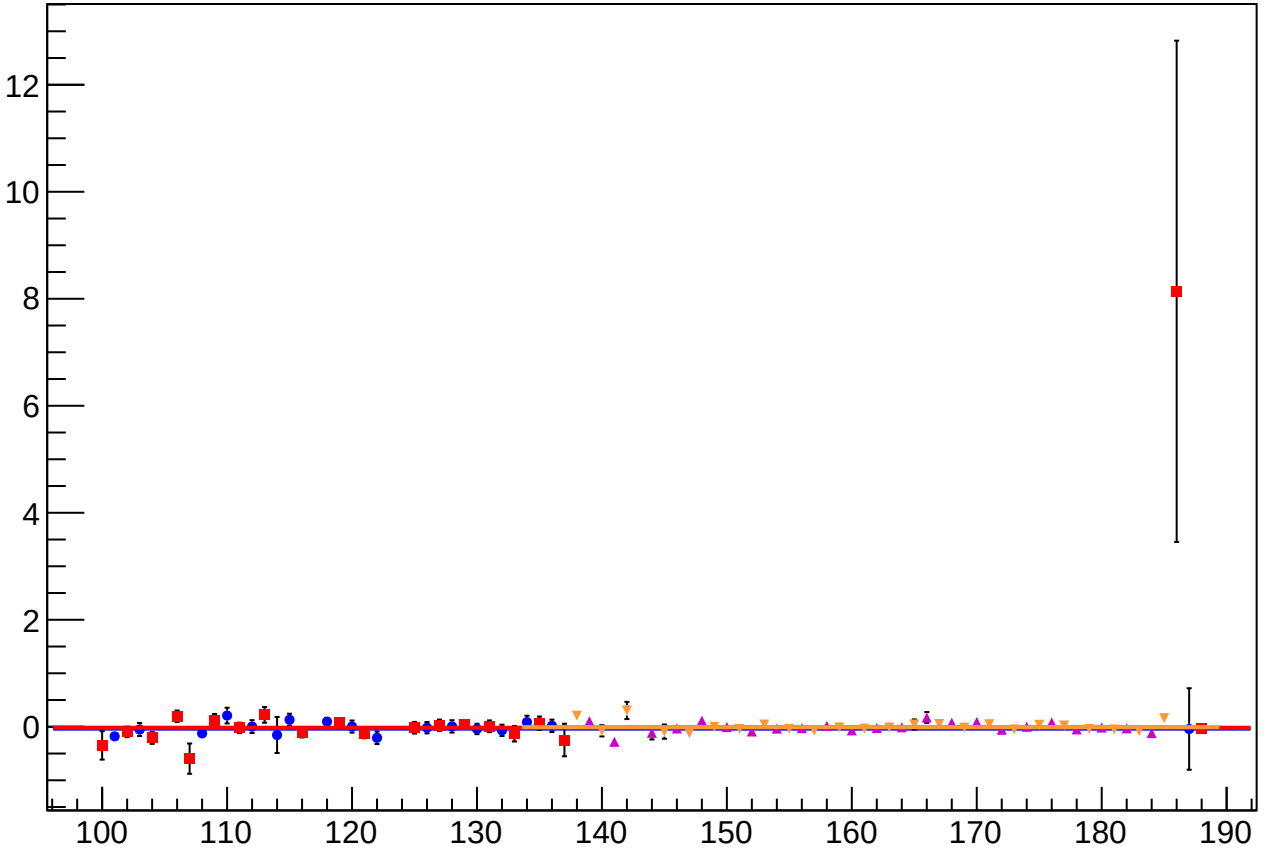
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.306+/-0.006 χ^2/NDF: 3221375.0/40

All: 41.462+/-0.004 χ^2/NDF: 7330149.6/83

- sign 40.696+/-0.006 χ^2/NDF: 4076013.7/42

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/16

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.018+/-0.024 χ^2/NDF: 26.0/19

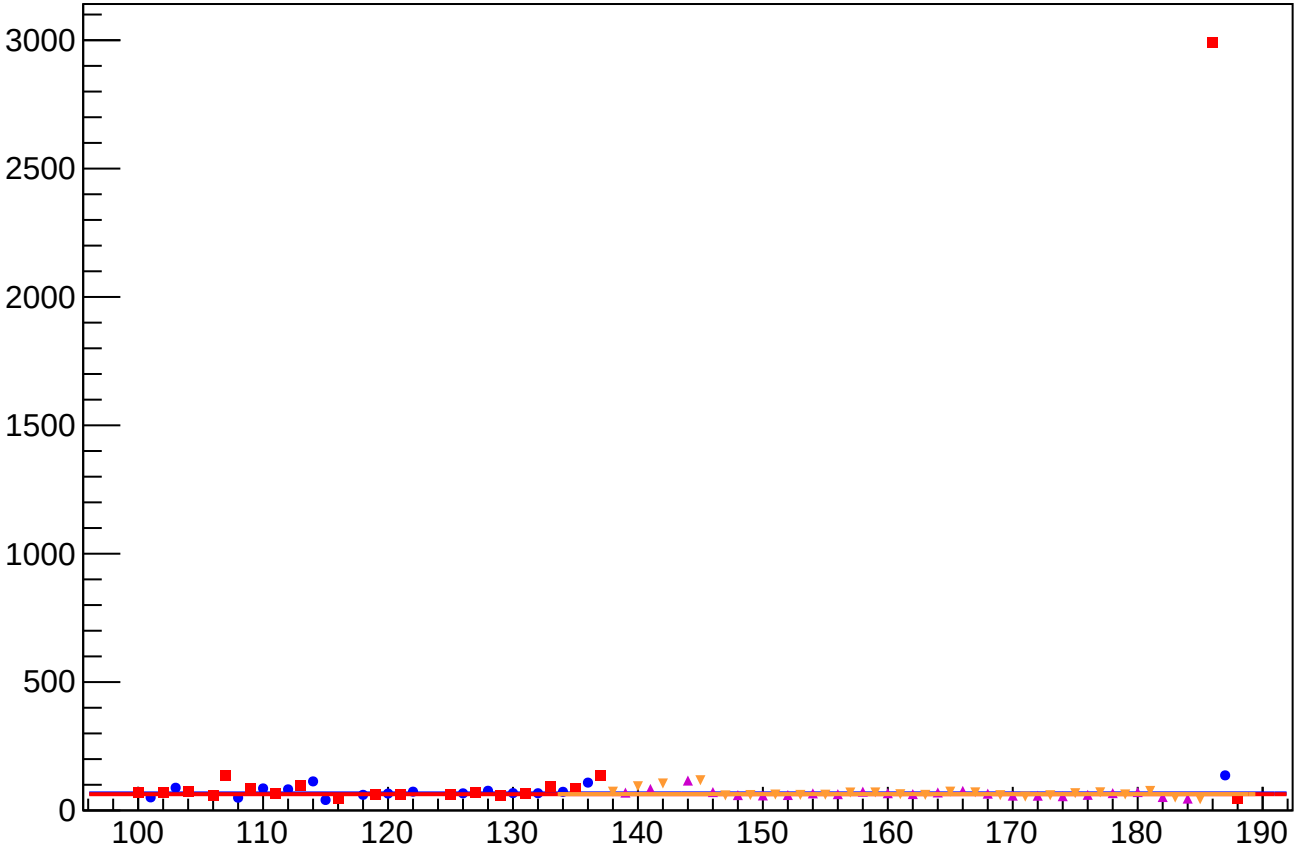
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.013 χ^2/NDF: 42.0/40

All: -0.012+/-0.009 χ^2/NDF: 96.3/83

- sign -0.011+/-0.013 χ^2/NDF: 54.3/42

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.432+/-0.019 χ^2/NDF: 789691.3/16

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 63.281+/-0.017 χ^2/NDF: 1733707.8/19

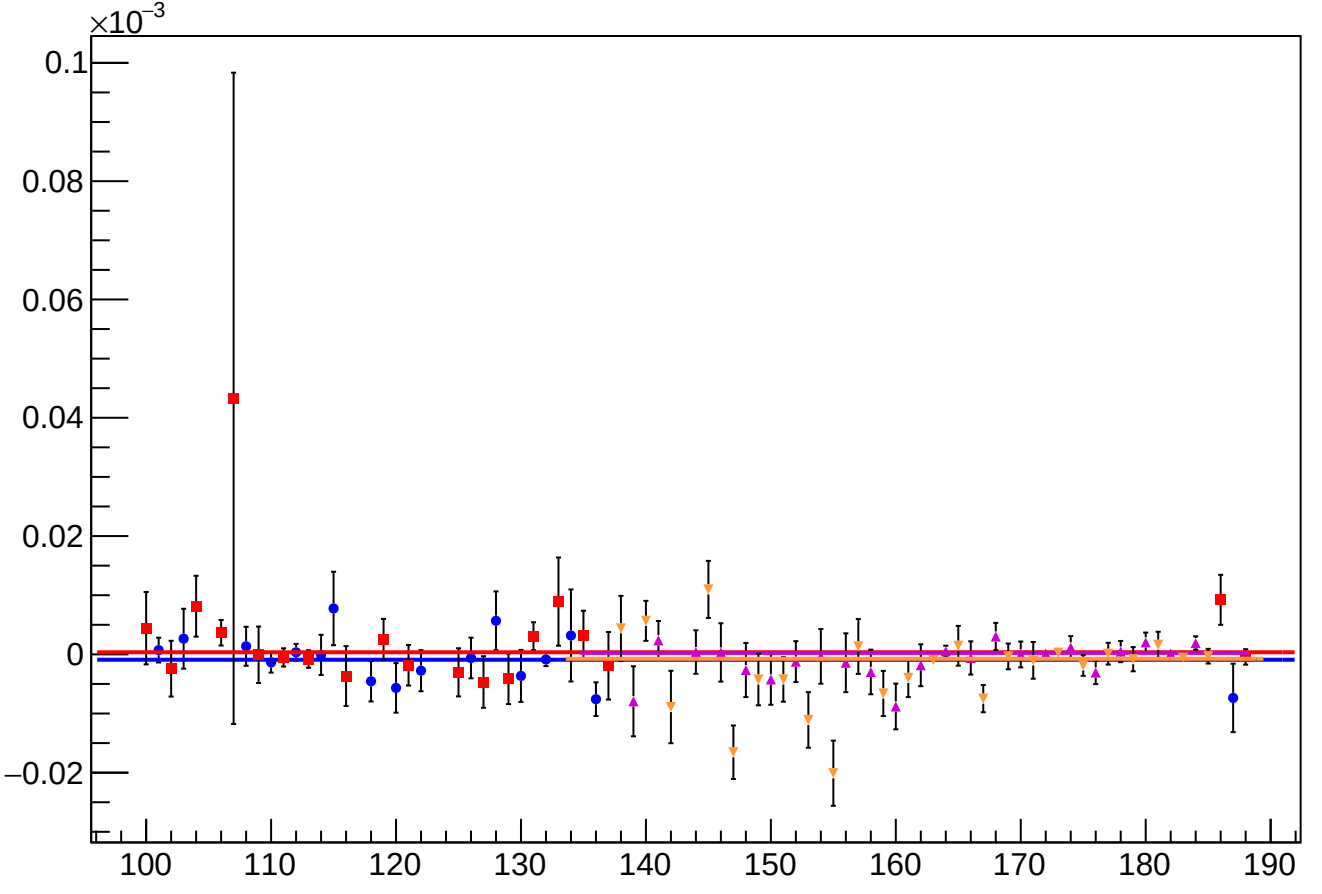
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.458+/-0.009 χ^2/NDF: 1883705.1/40

All: 64.126+/-0.007 χ^2/NDF: 4460063.2/83

- sign 63.810+/-0.009 χ^2/NDF: 2573919.5/42

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/19

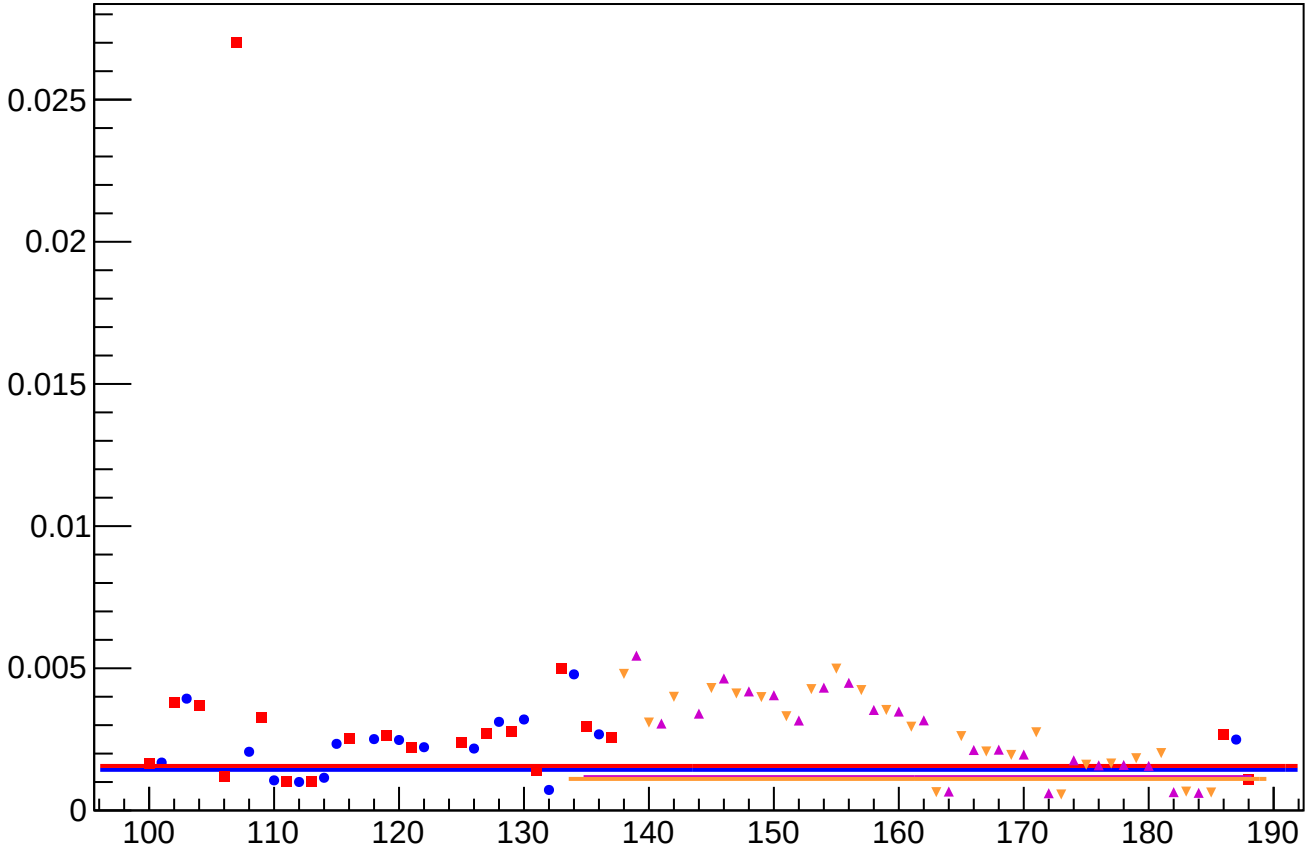
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.3/40

All: -0.000+/-0.000 χ^2/NDF: 120.8/83

- sign 0.000+/-0.000 χ^2/NDF: 38.4/42

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3615740.1/16

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.002+/-0.000 χ^2/NDF: 3894205.6/19

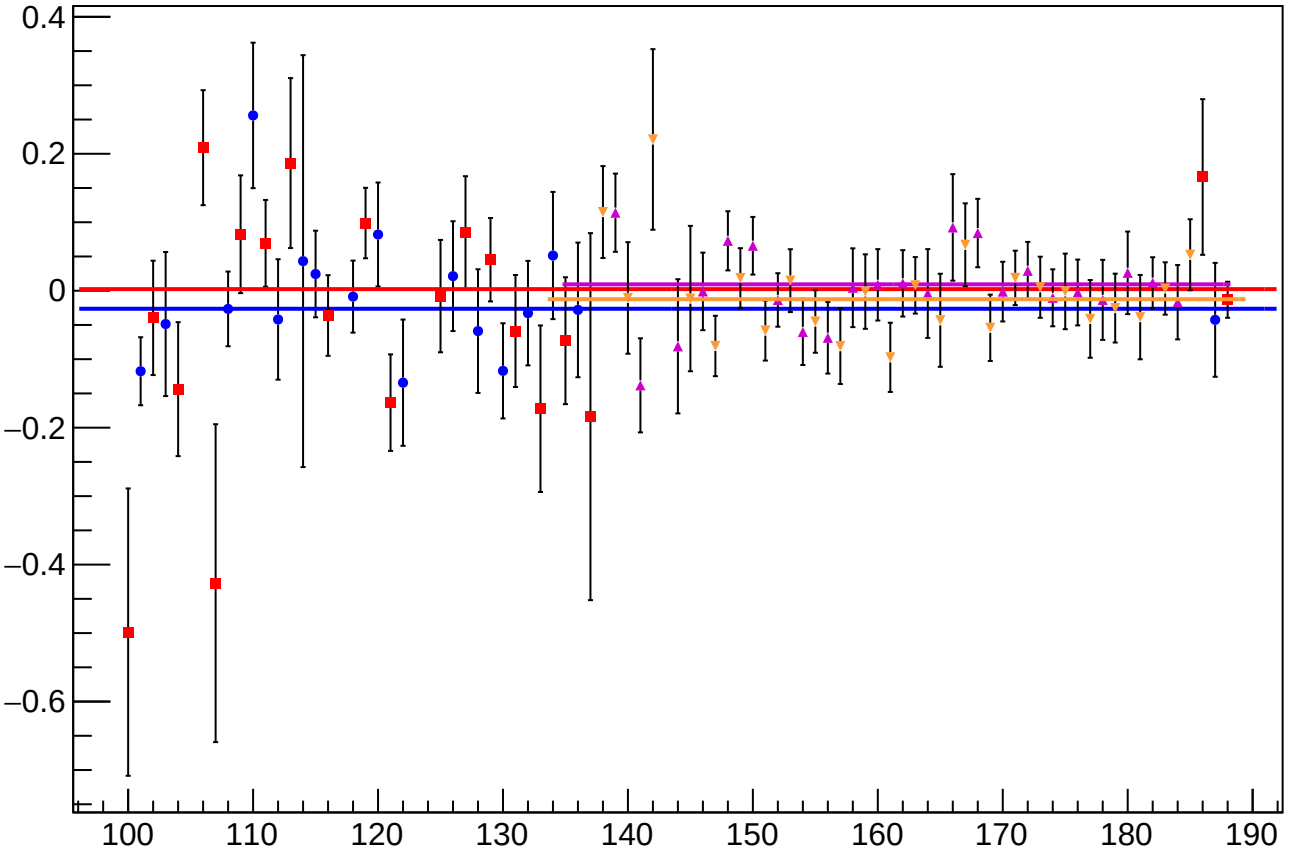
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 19190991.8/40

All: 0.001+/-0.000 χ^2/NDF: 38006018.6/83

- sign 0.001+/-0.000 χ^2/NDF: 18738523.9/42

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.002+/-0.015 χ^2/NDF: 39.0/19

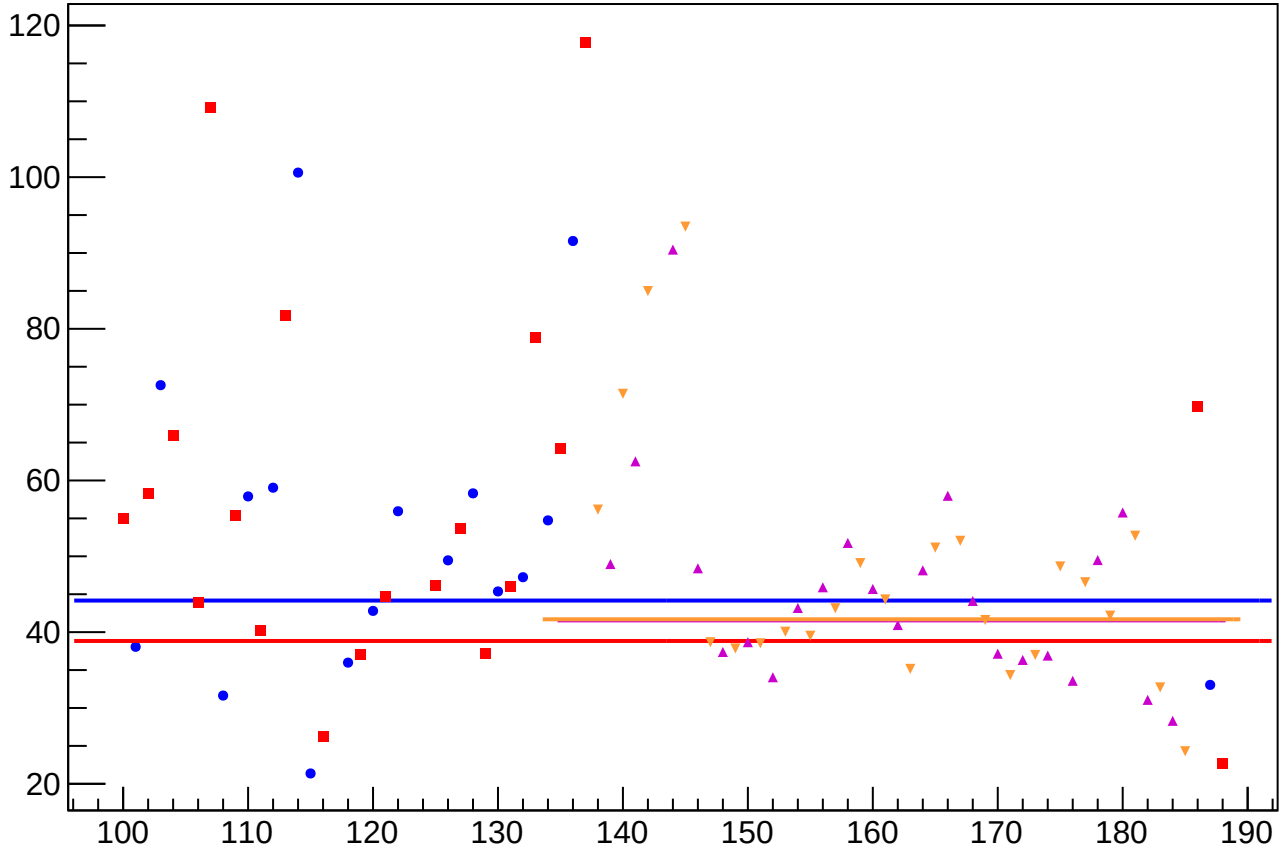
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

\+ sign -0.016+/-0.009 χ^2/NDF: 40.0/40

All: -0.004+/-0.006 χ^2/NDF: 104.4/83

\- sign 0.007+/-0.009 χ^2/NDF: 61.1/42

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.166+/-0.013 χ^2/NDF: 1372190.0/16

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

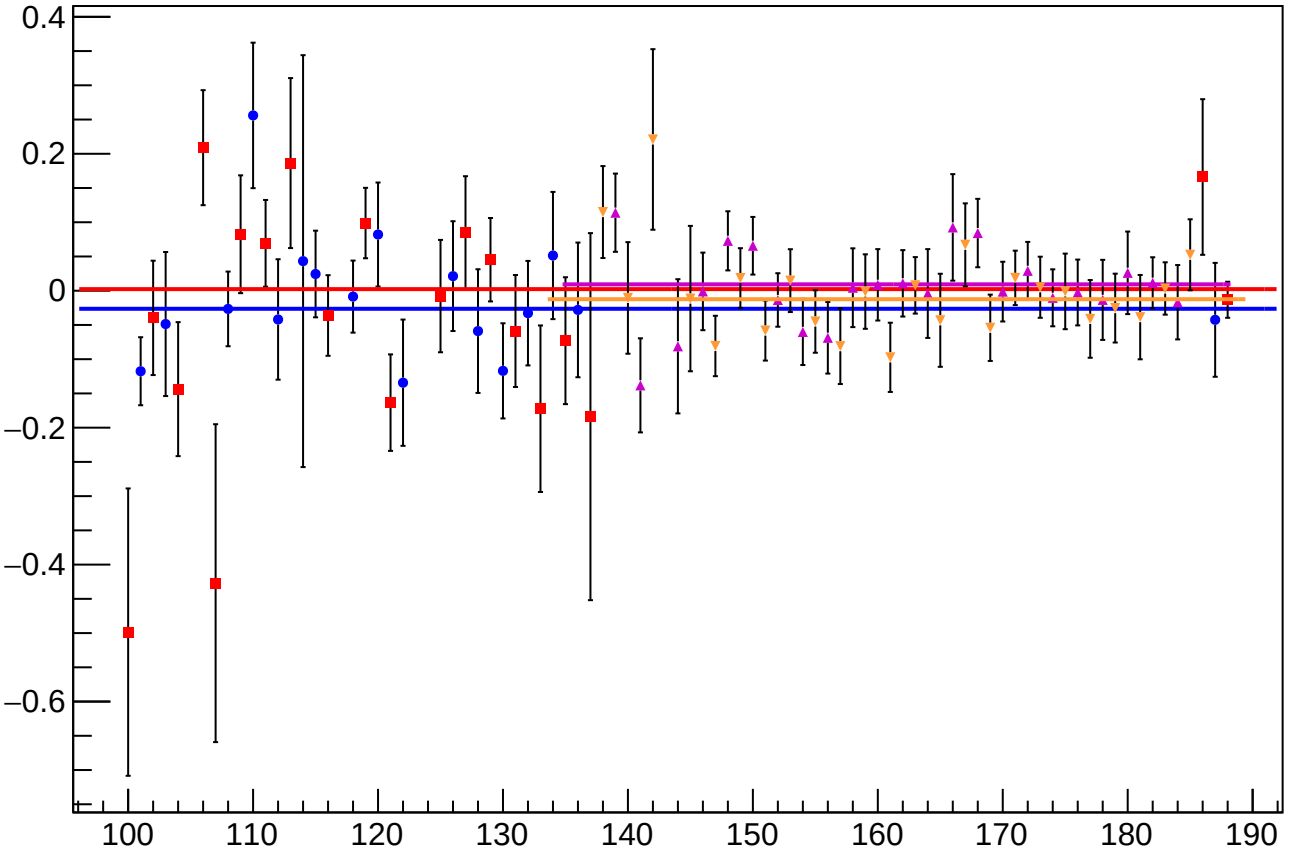
Right Out: 38.837+/-0.011 χ^2/NDF: 2420655.6/19

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.306+/-0.006 χ^2/NDF: 3221376.6/40

All: 41.462+/-0.004 χ^2/NDF: 7329923.1/83

- sign 40.697+/-0.006 χ^2/NDF: 4075802.6/42



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.002+/-0.015 χ^2/NDF: 39.0/19

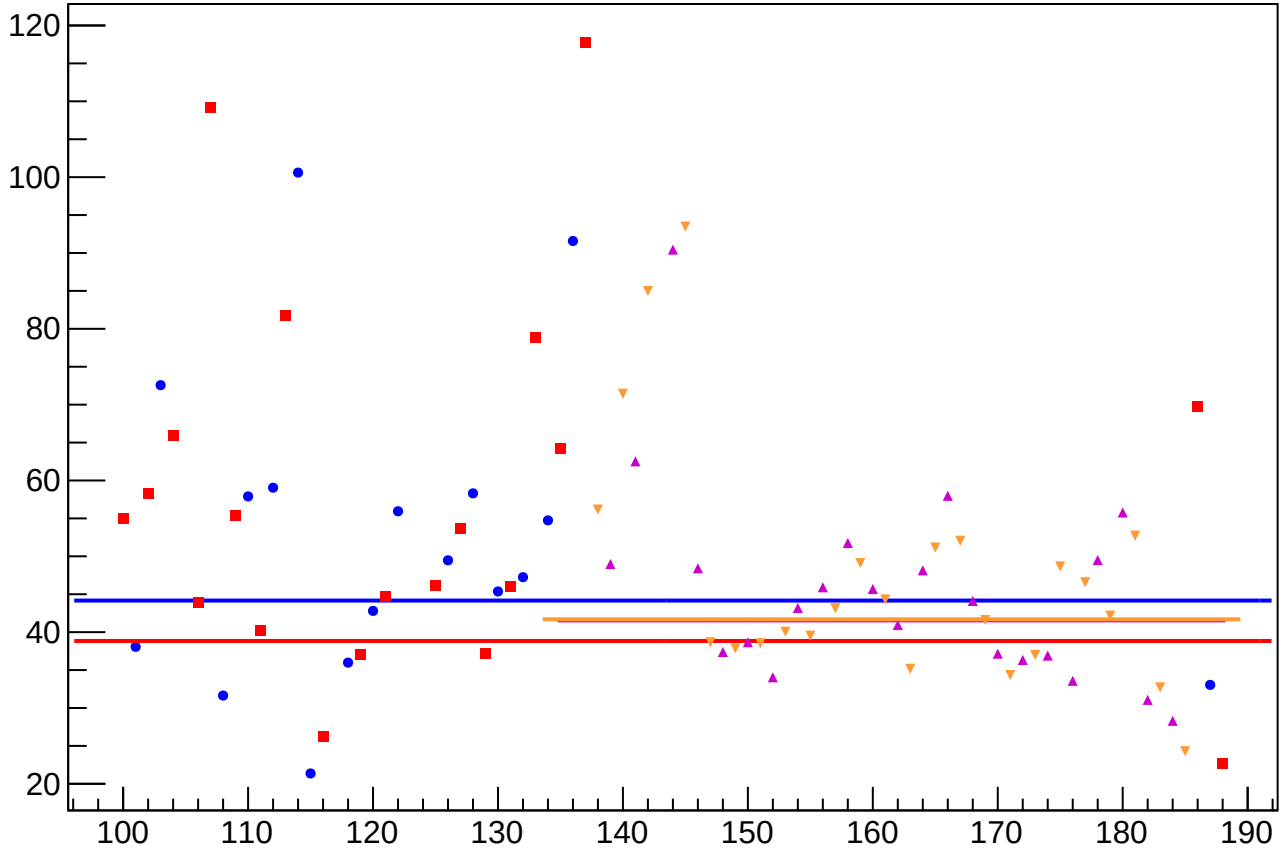
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.016+/-0.009 χ^2/NDF: 40.0/40

All: -0.004+/-0.006 χ^2/NDF: 104.4/83

- sign 0.007+/-0.009 χ^2/NDF: 61.1/42

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.166+/-0.013 χ^2/NDF: 1372190.0/16

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 38.837+/-0.011 χ^2/NDF: 2420655.6/19

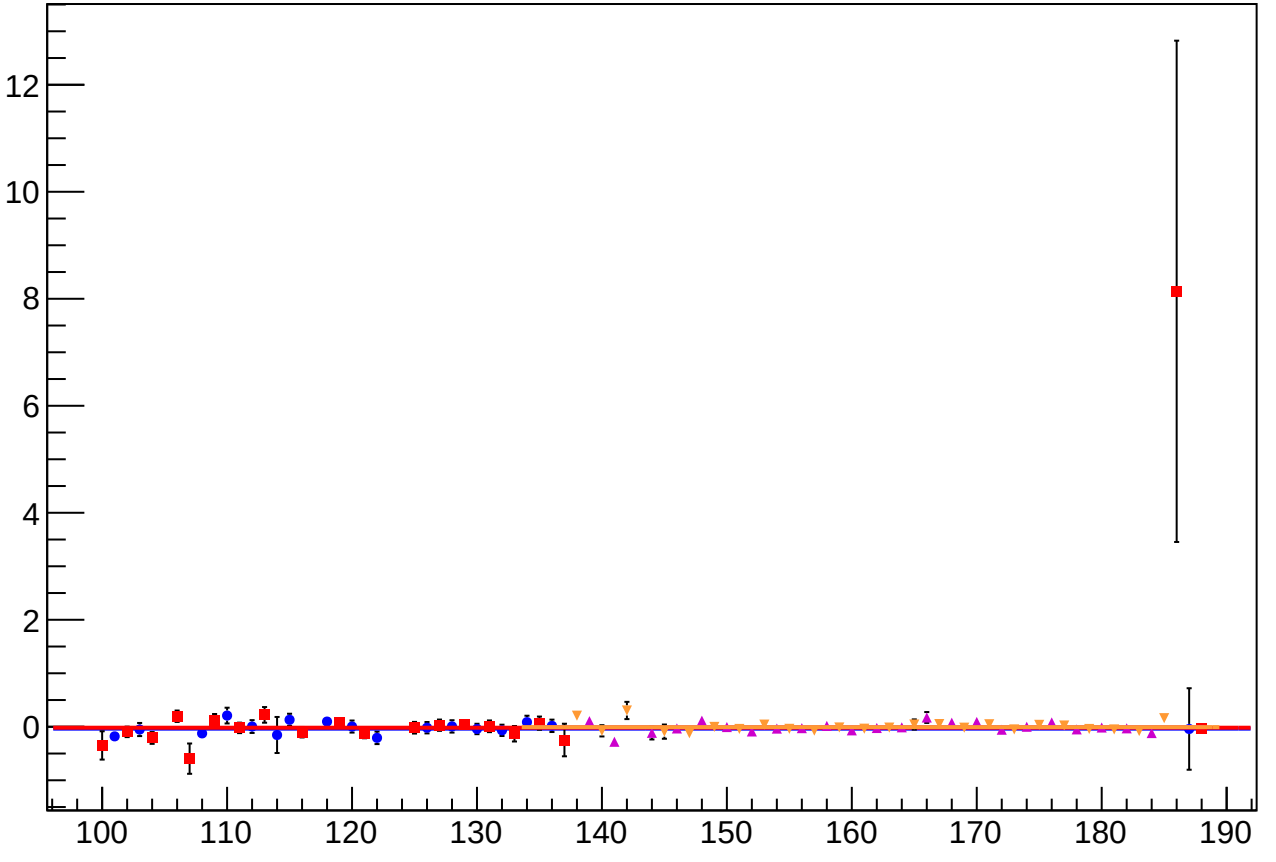
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.306+/-0.006 χ^2/NDF: 3221376.6/40

All: 41.462+/-0.004 χ^2/NDF: 7329923.1/83

- sign 40.697+/-0.006 χ^2/NDF: 4075802.6/42

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/16

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.018+/-0.024 χ^2/NDF: 26.0/19

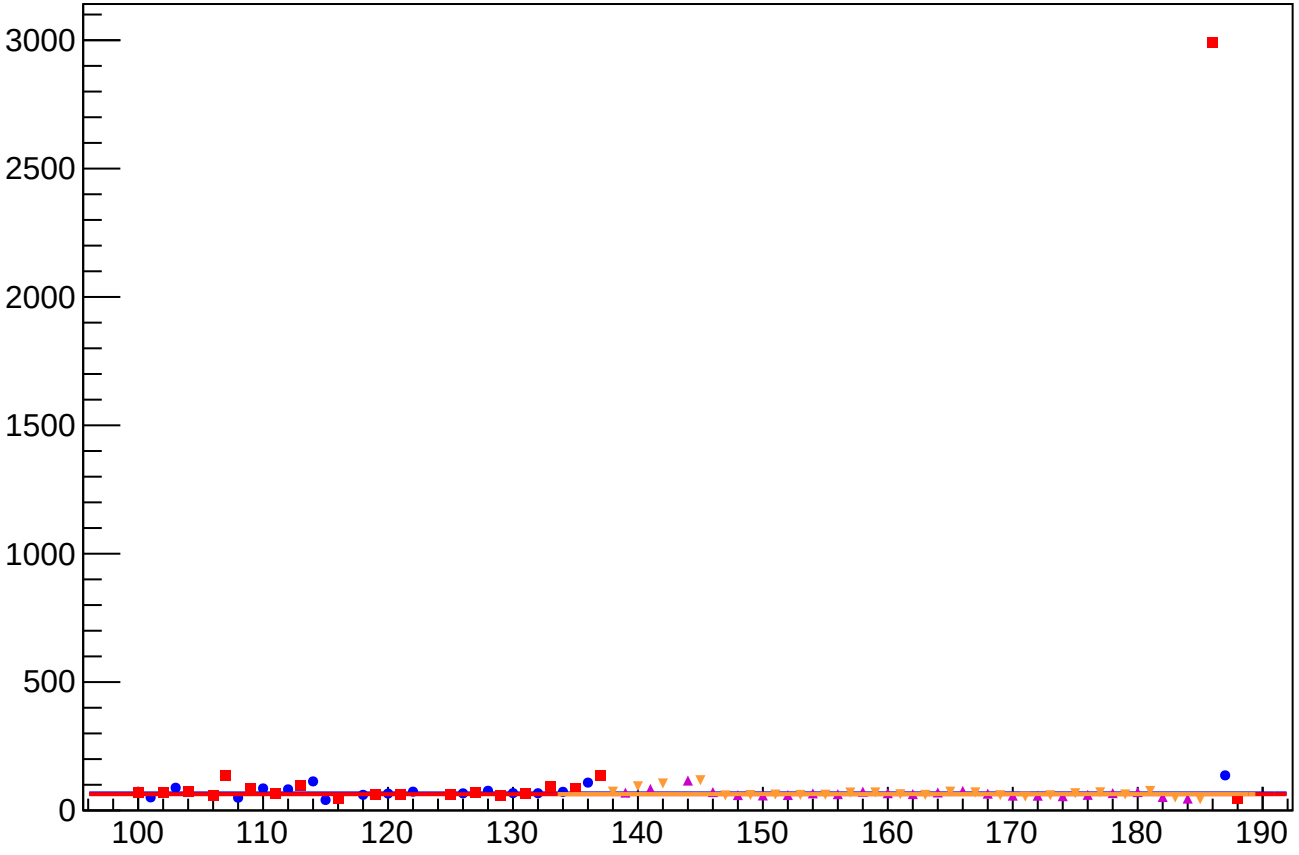
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.013 χ^2/NDF: 42.0/40

All: -0.012+/-0.009 χ^2/NDF: 96.3/83

- sign -0.011+/-0.013 χ^2/NDF: 54.3/42

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.431+/-0.019 χ^2/NDF: 789698.6/16

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

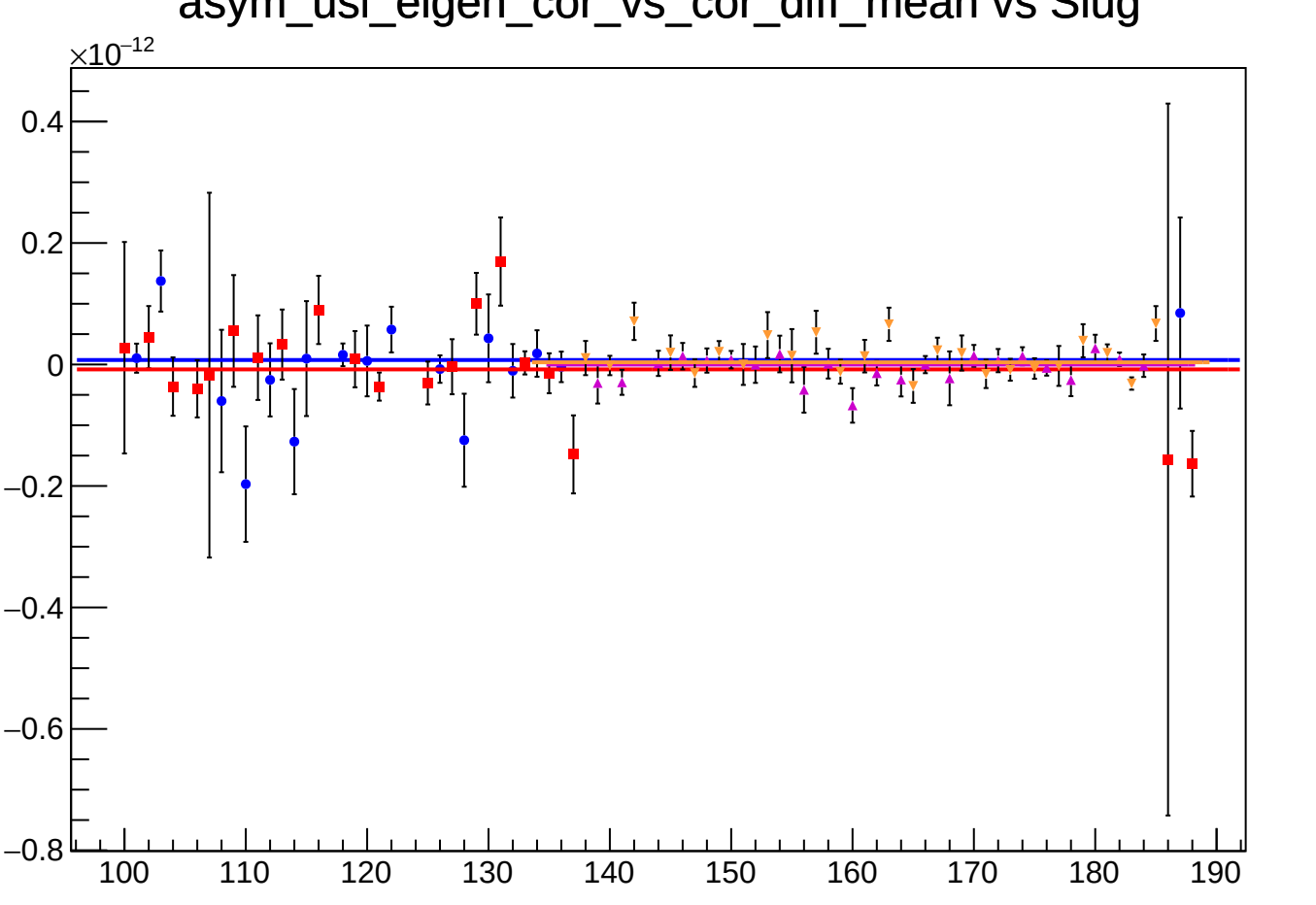
Right Out: 63.280+/-0.017 χ^2/NDF: 1733674.5/19

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

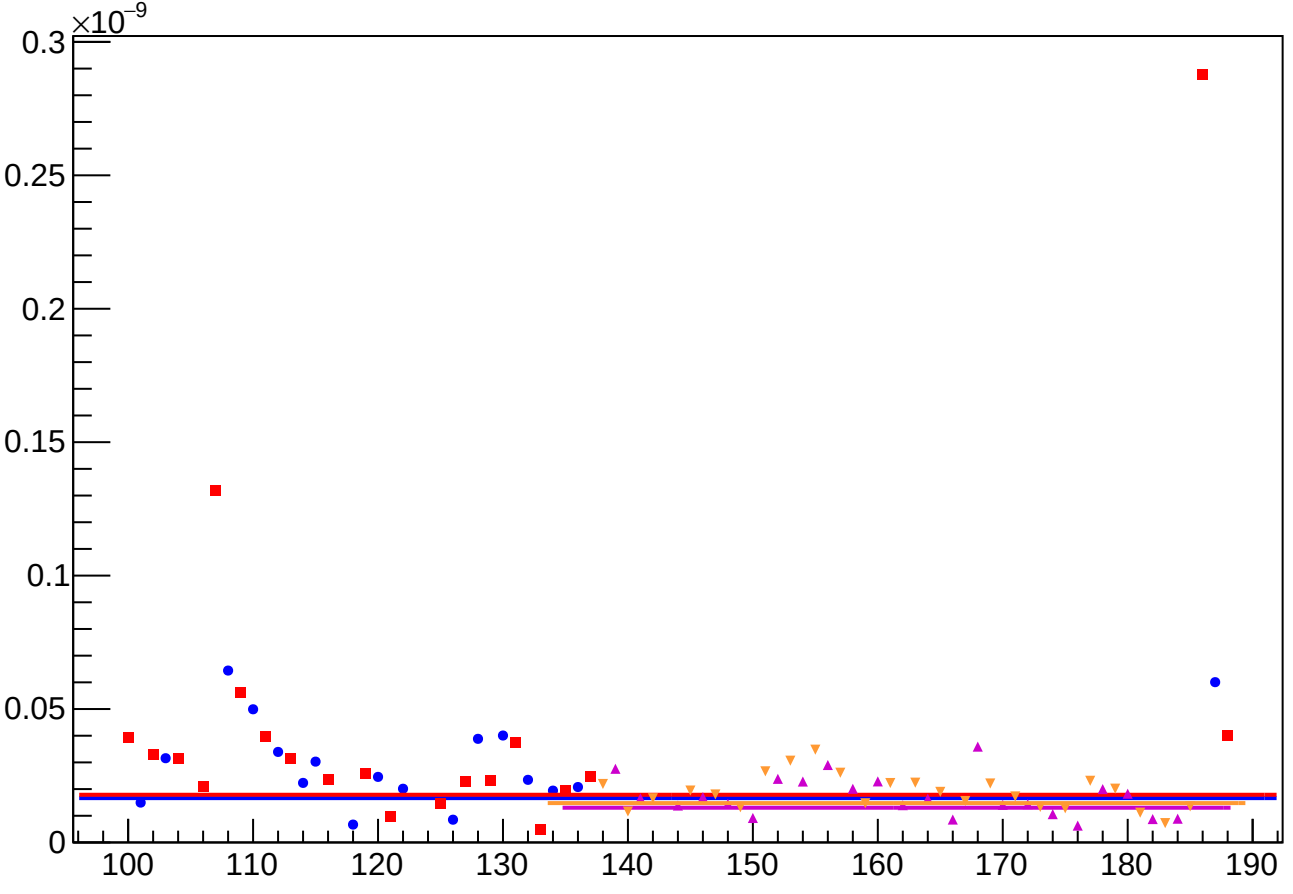
+ sign 64.458+/-0.009 χ^2/NDF: 1883693.5/40

All: 64.126+/-0.007 χ^2/NDF: 4460015.1/83

- sign 63.810+/-0.009 χ^2/NDF: 2573883.3/42


asym_usl_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 20.7/16
Left Out: 0.000+/-0.000 χ²/NDF:40.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 32.0/19
Left In: -0.000+/-0.000 χ²/NDF:17.1/22
+ sign 0.000+/-0.000 χ²/NDF: 61.4/40
All: 0.000+/-0.000 χ²/NDF: 112.2/83
- sign -0.000+/-0.000 χ²/NDF: 49.7/42

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2499046.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3562743.5/19

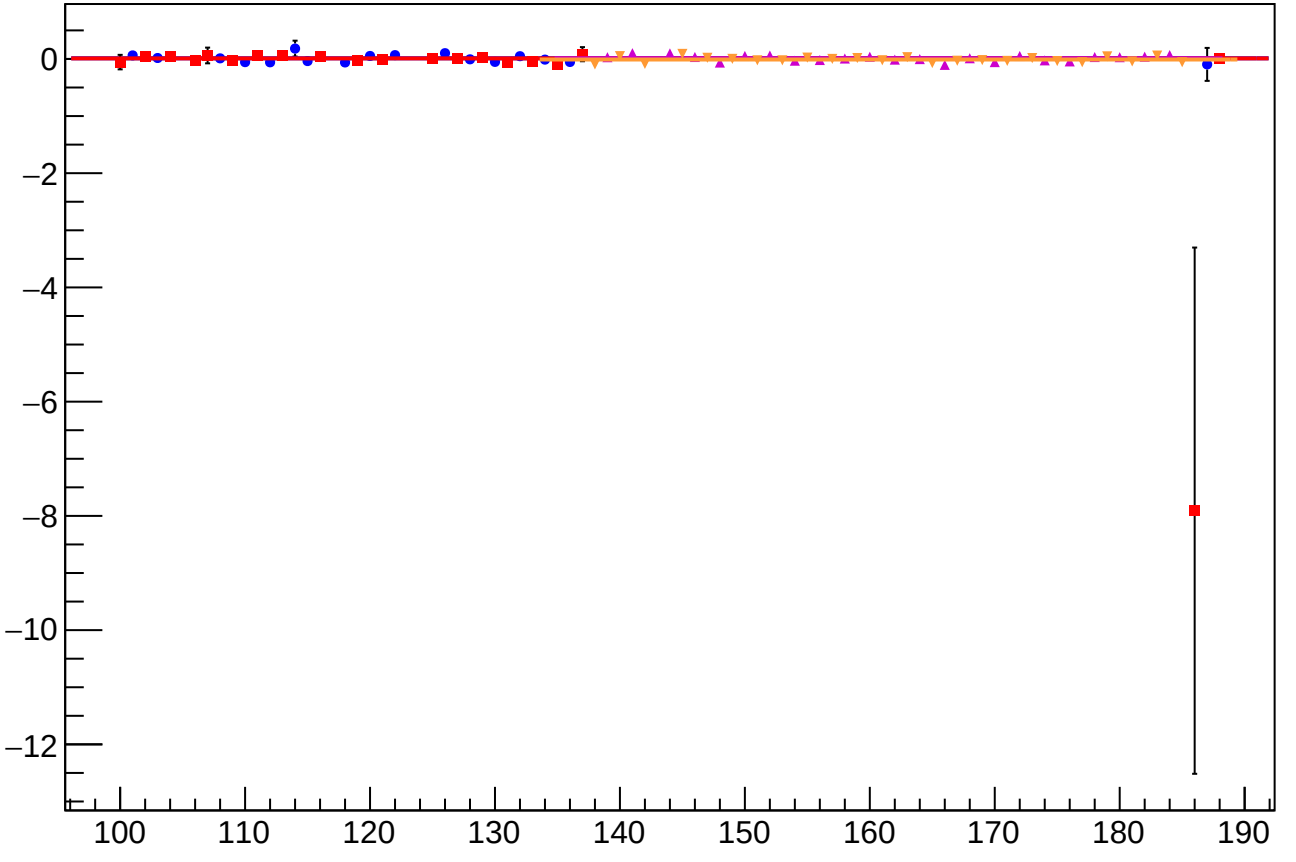
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 6097206.6/40

All: 0.000+/-0.000 χ^2/NDF: 14140999.0/83

- sign 0.000+/-0.000 χ^2/NDF: 7919292.9/42

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.014 χ^2/NDF: 14.8/16

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.010+/-0.013 χ^2/NDF: 12.9/19

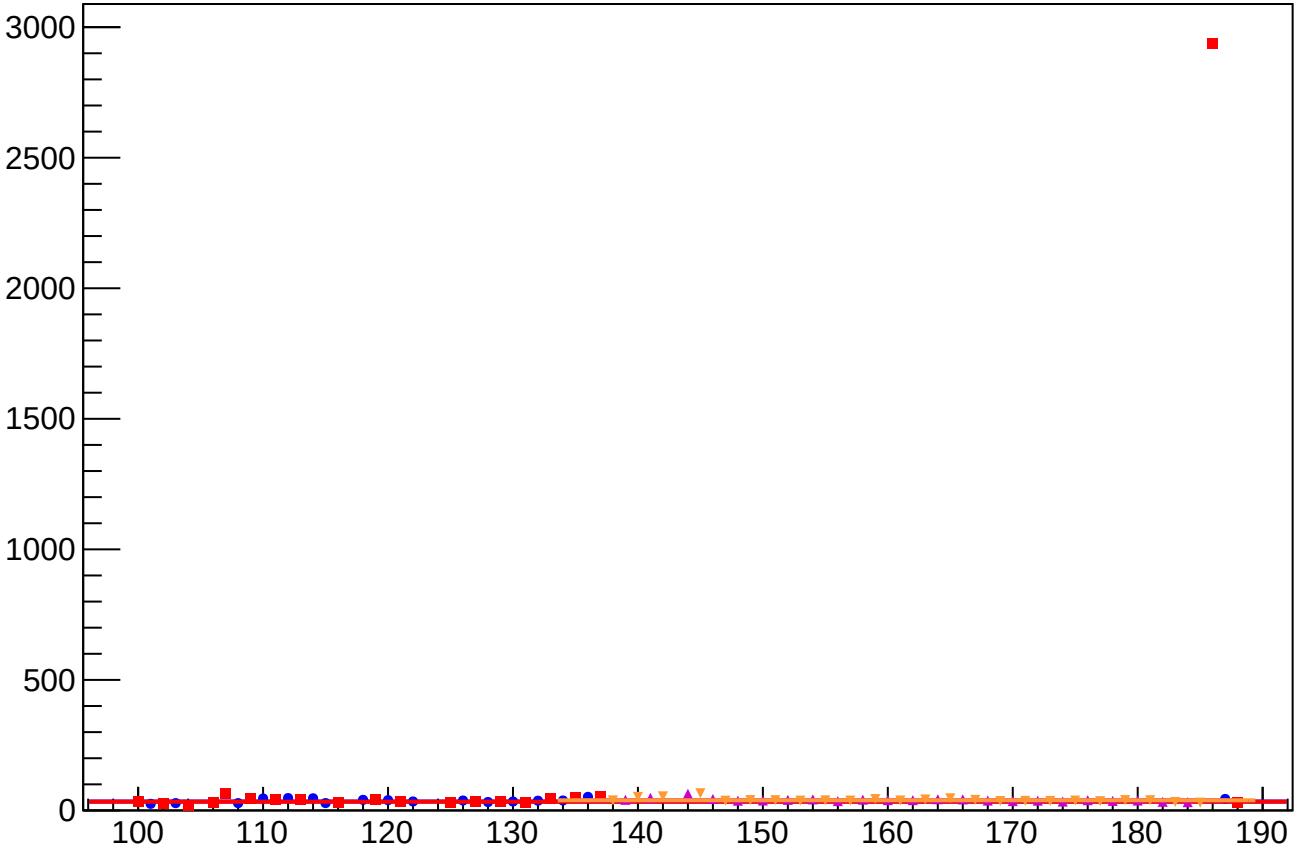
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 35.9/40

All: 0.004+/-0.005 χ^2/NDF: 73.7/83

- sign 0.011+/-0.008 χ^2/NDF: 36.2/42

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.276+/-0.010 χ^2/NDF: 638291.4/16

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

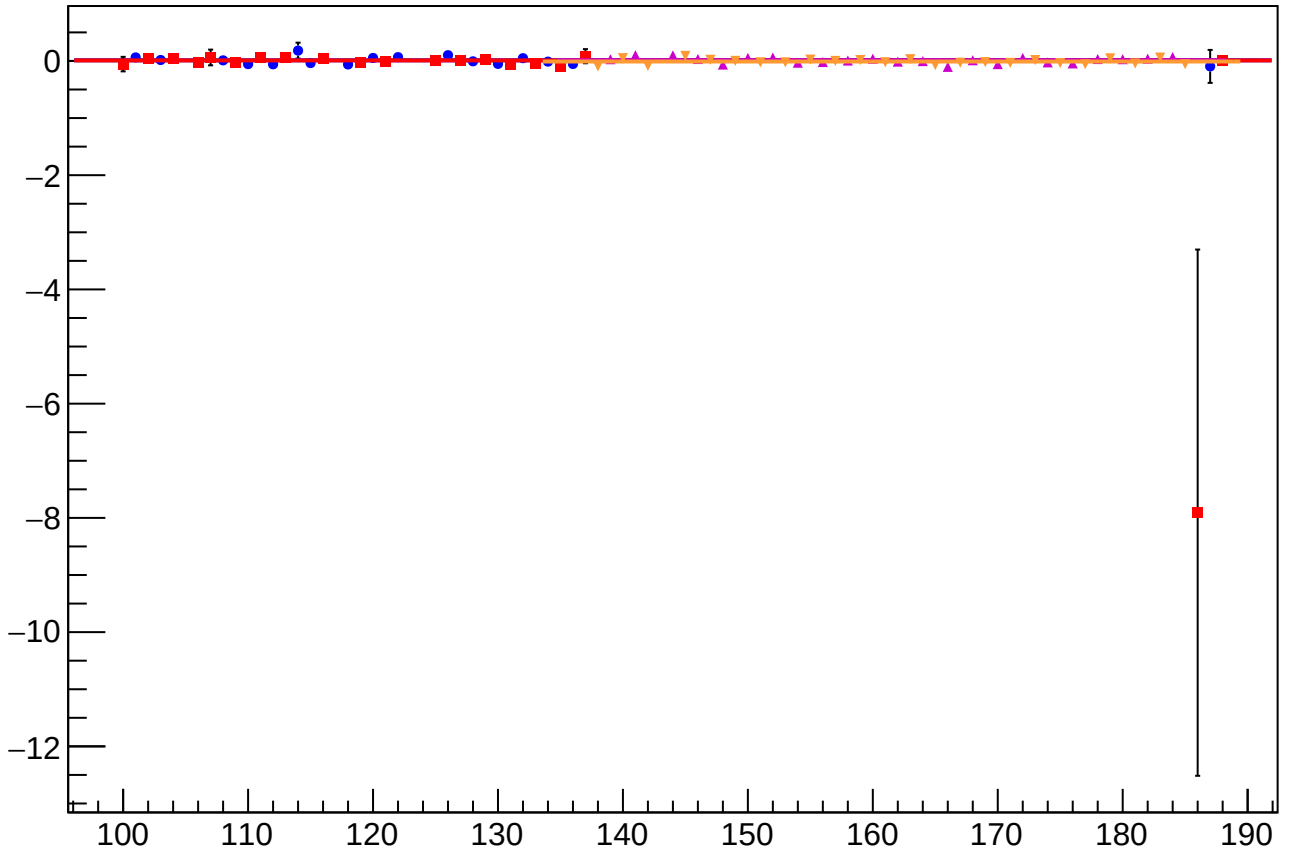
Right Out: 33.465+/-0.009 χ^2/NDF: 1715667.2/19

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 37.440+/-0.005 χ^2/NDF: 1423524.8/40

All: 37.256+/-0.004 χ^2/NDF: 3925541.9/83

- sign 37.081+/-0.005 χ^2/NDF: 2499835.1/42



Right In: 0.012+/-0.014 χ^2/NDF: 14.8/16

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.010+/-0.013 χ^2/NDF: 12.9/19

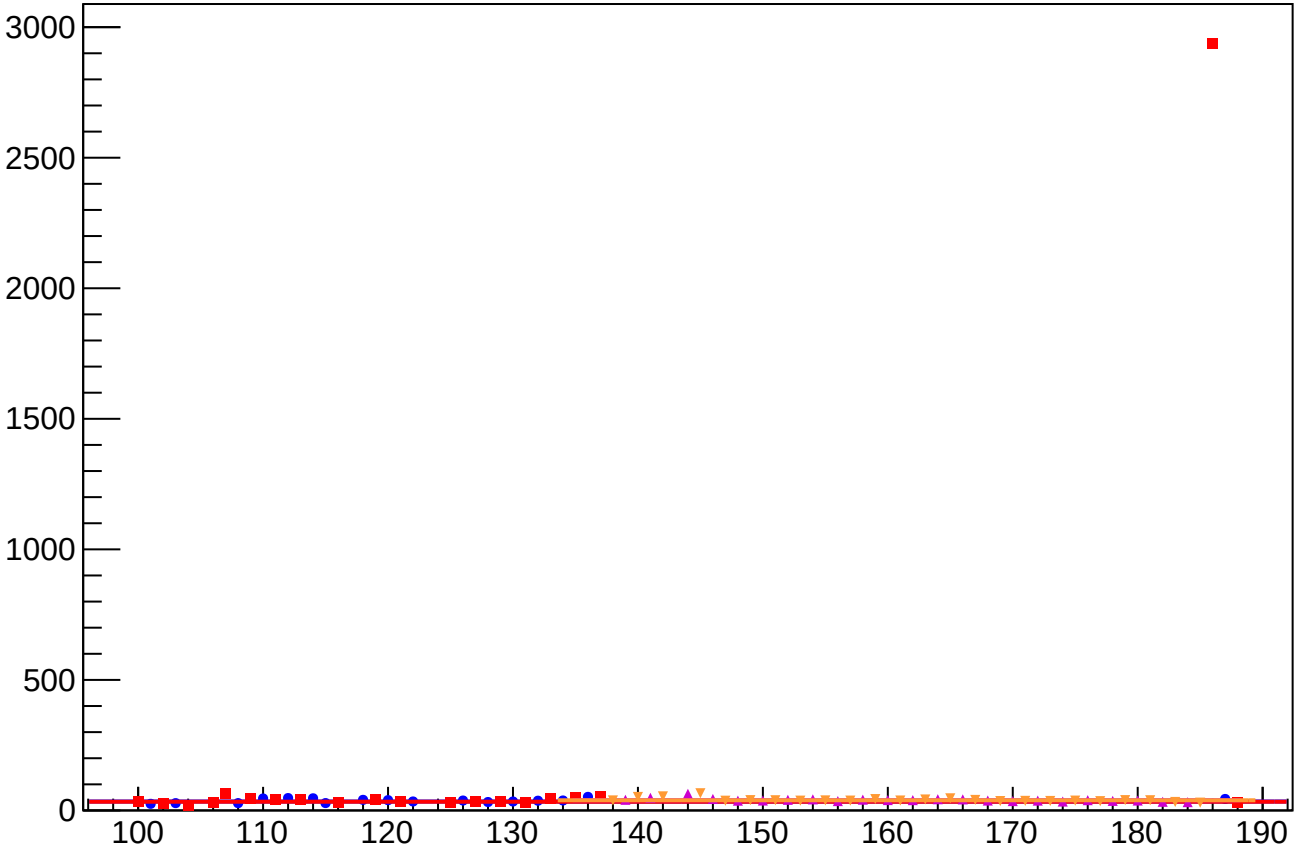
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 35.9/40

All: 0.004+/-0.005 χ^2/NDF: 73.7/83

- sign 0.011+/-0.008 χ^2/NDF: 36.2/42

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 34.276+/-0.010 χ^2/NDF: 638291.4/16

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.465+/-0.009 χ^2/NDF: 1715667.2/19

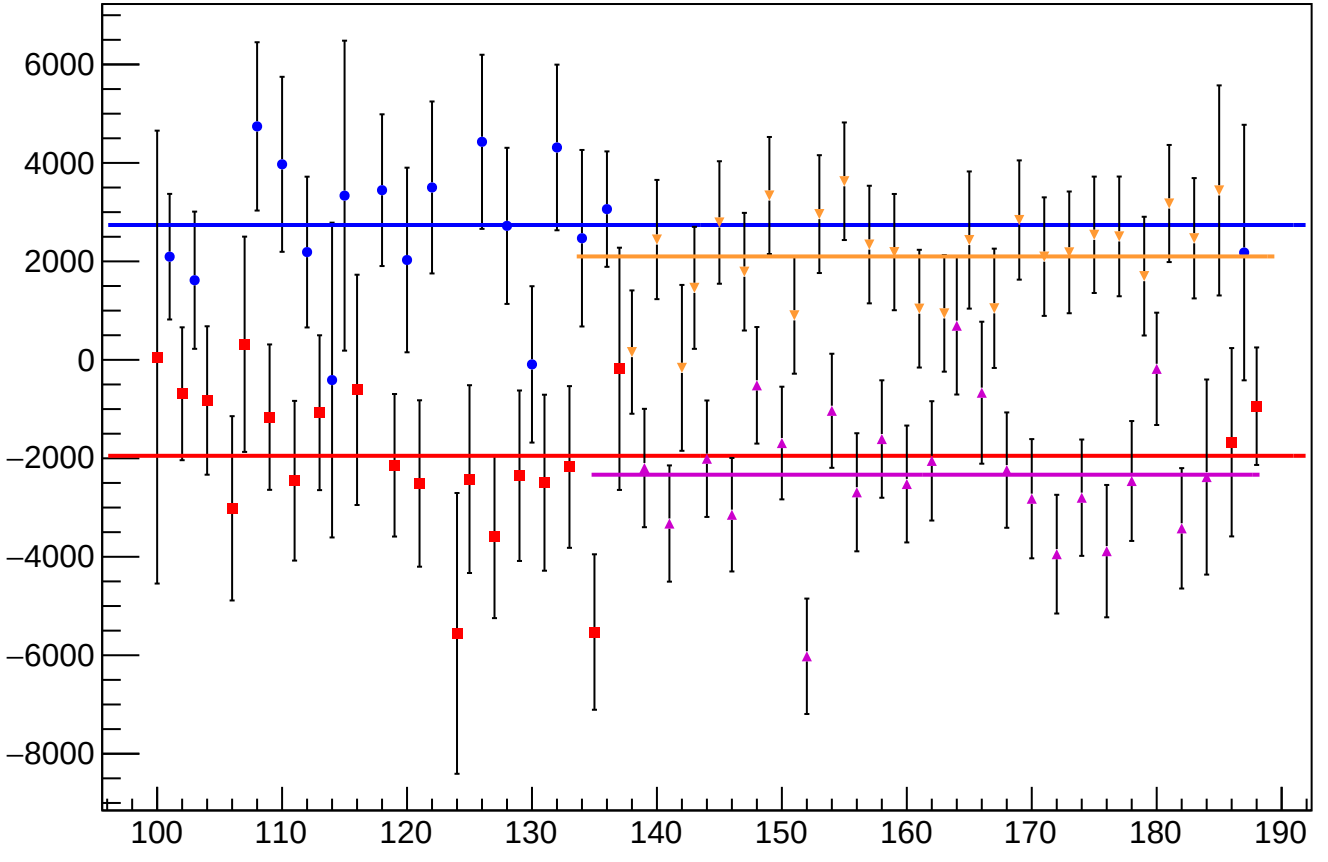
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 37.440+/-0.005 χ^2/NDF: 1423524.8/40

All: 37.256+/-0.004 χ^2/NDF: 3925541.9/83

- sign 37.081+/-0.005 χ^2/NDF: 2499835.1/42

reg_asym_usr_mean vs Slug



Right In: 2739.158+/-404.821 χ^2/NDF: 9.5/16

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1948.847+/-375.067 χ^2/NDF: 13.4/20

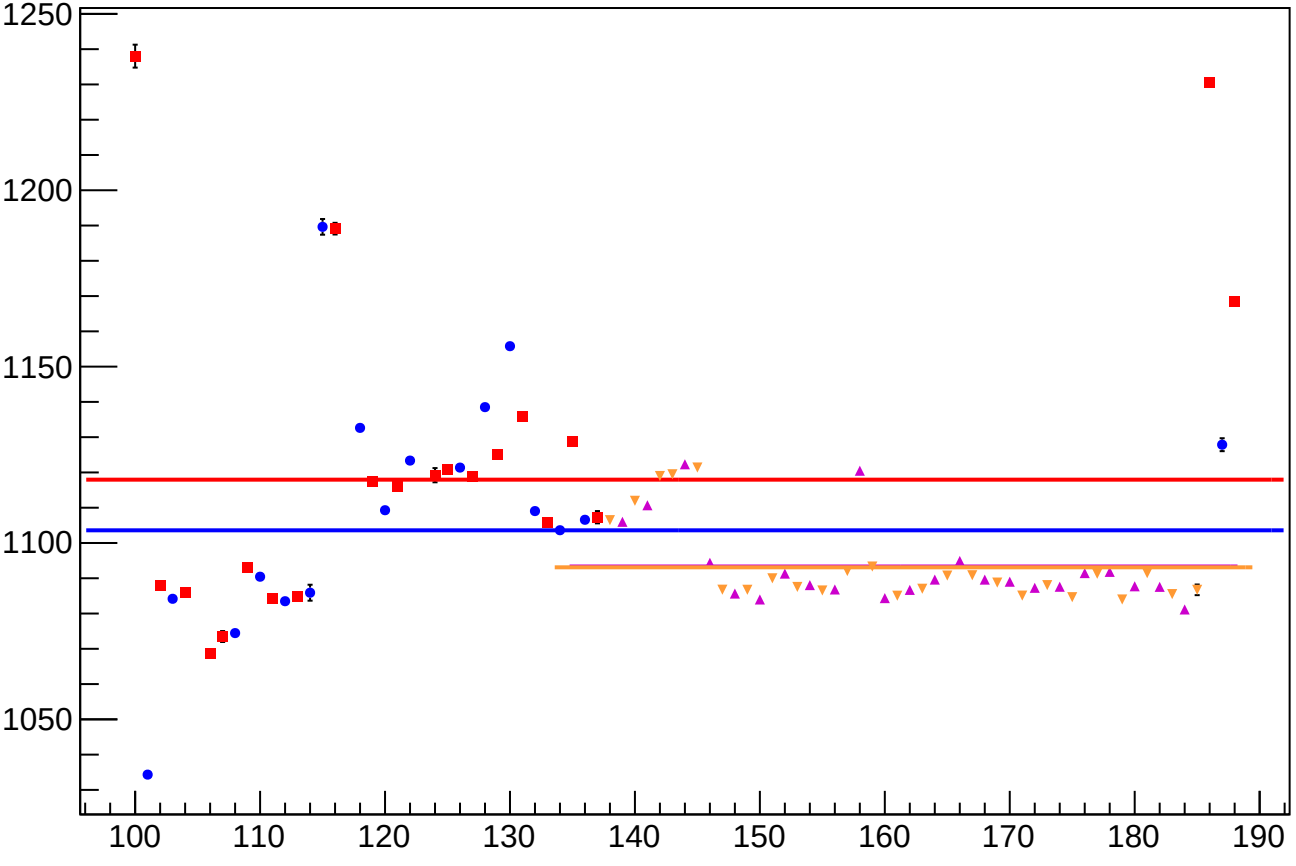
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2275.020+/-211.662 χ^2/NDF: 25.2/41

All: 25.225+/-149.447 χ^2/NDF: 294.1/85

- sign -2211.347+/-211.039 χ^2/NDF: 43.6/43

reg_asym_usr_rms vs Slug



Right In: 1103.593+/-0.286 χ^2/NDF: 13403.1/16

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.953+/-0.265 χ^2/NDF: 20607.2/20

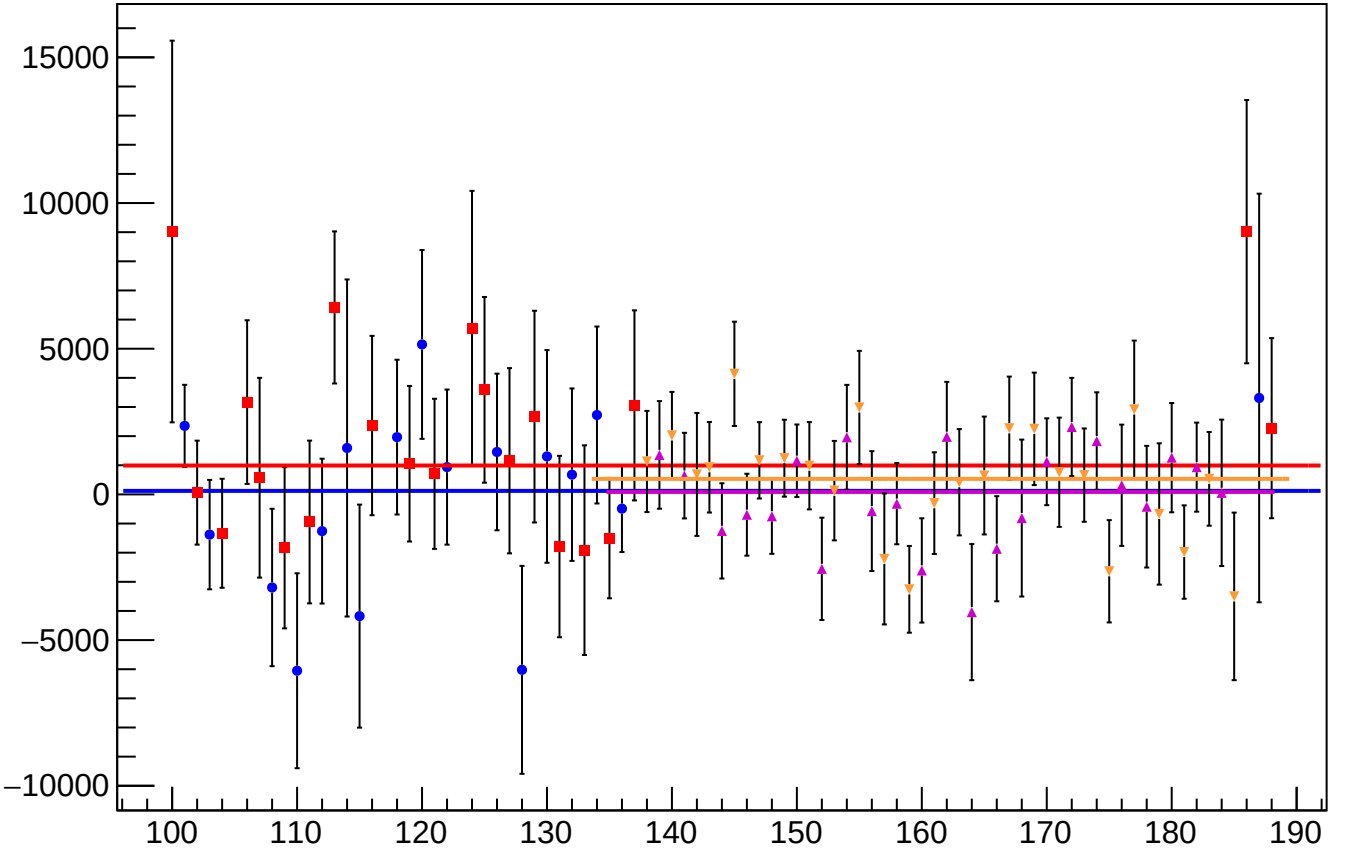
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.970+/-0.150 χ^2/NDF: 18362.2/41

All: 1098.558+/-0.106 χ^2/NDF: 49178.0/85

- sign 1101.131+/-0.149 χ^2/NDF: 30219.5/43

asym_usr_reg_correction_mean vs Slug



Right In: 120.729+/-615.708 χ^2/NDF: 17.1/16

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 991.018+/-617.990 χ^2/NDF: 18.5/20

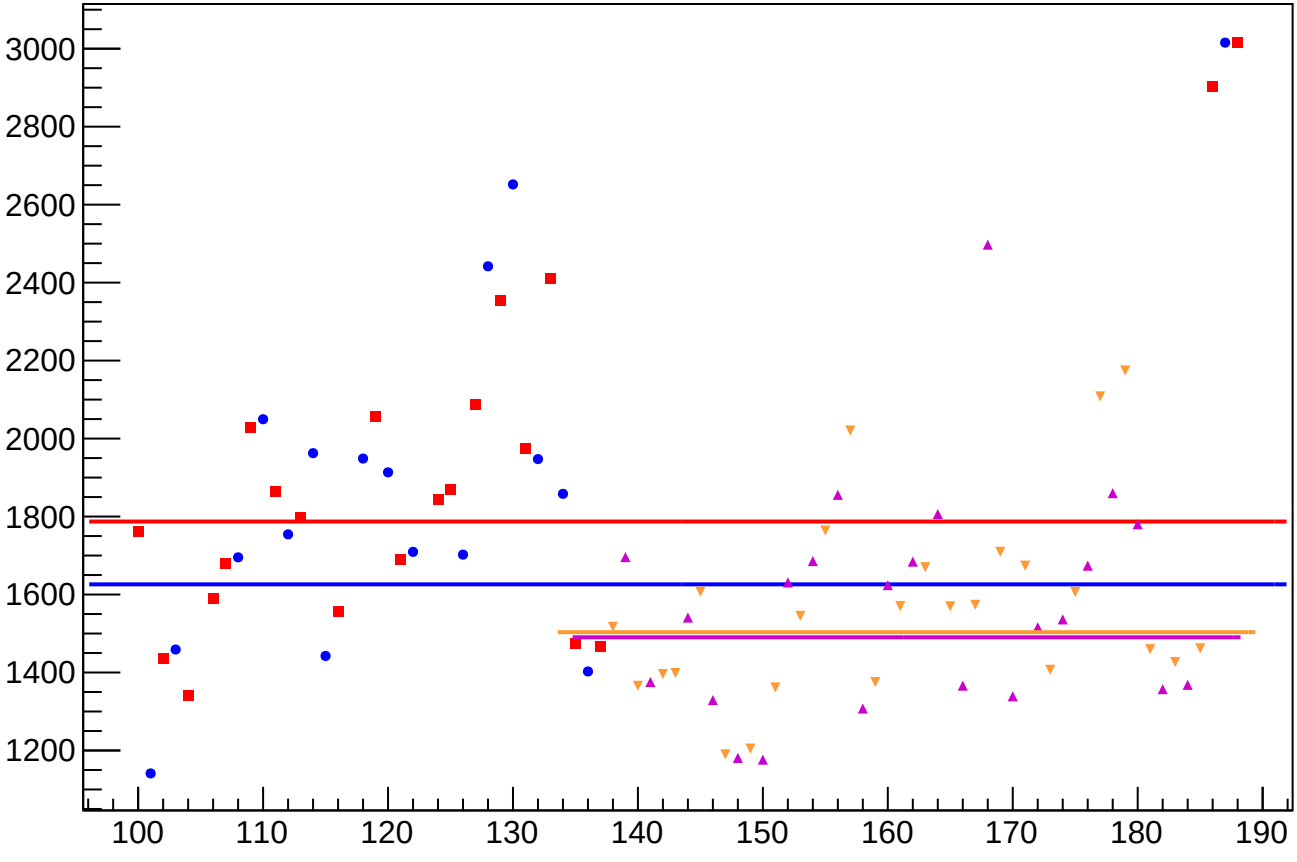
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 433.509+/-302.444 χ^2/NDF: 43.9/41

All: 372.224+/-215.498 χ^2/NDF: 82.2/85

\- sign 309.026+/-307.130 χ^2/NDF: 38.2/43

asym_usr_reg_correction_rms vs Slug



Right In: 1626.112+/-0.435 χ^2/NDF: 772772.2/16

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1787.195+/-0.437 χ^2/NDF: 893771.4/20

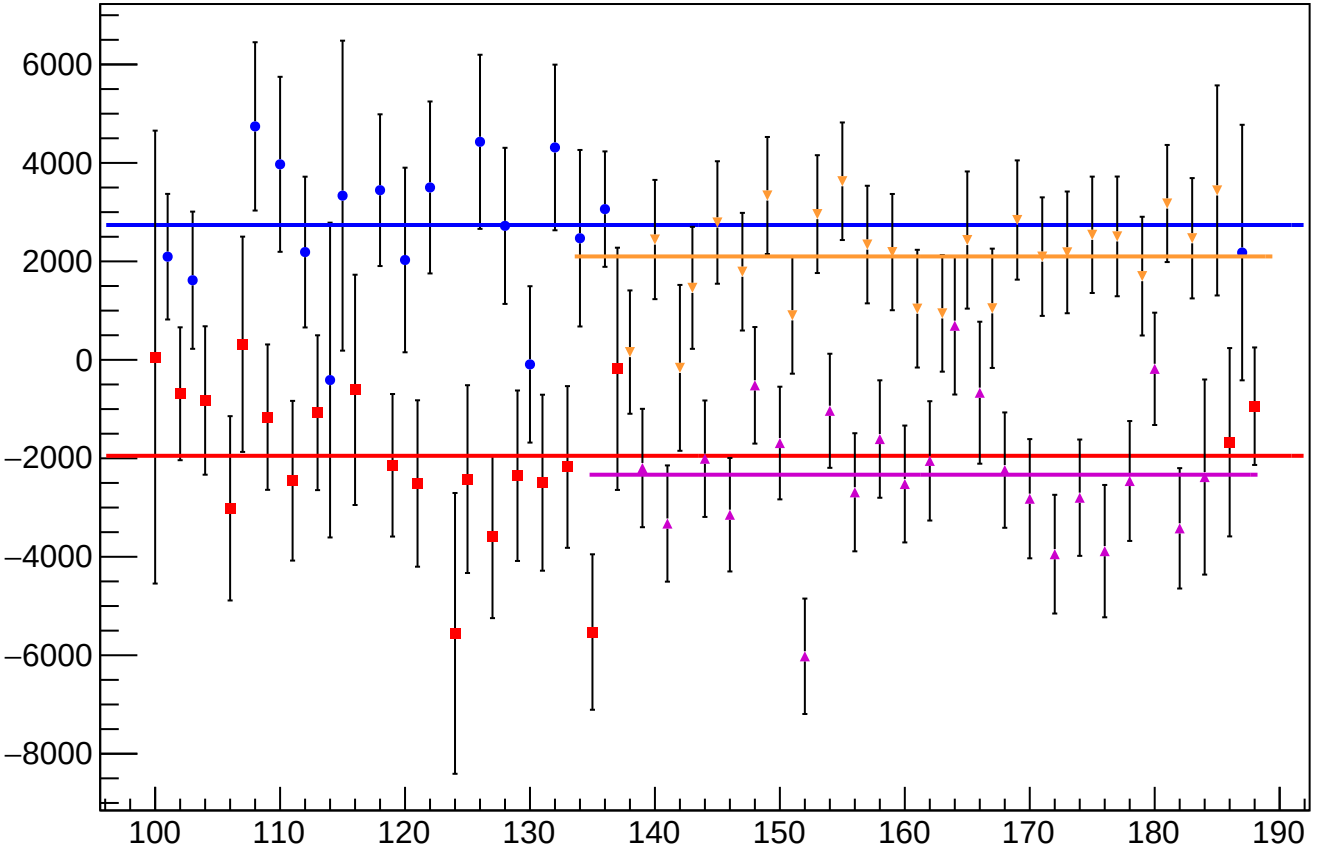
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1533.037+/-0.214 χ^2/NDF: 1632680.5/41

All: 1548.104+/-0.152 χ^2/NDF: 3852317.5/85

- sign 1563.641+/-0.217 χ^2/NDF: 2209555.2/43

cor_asym_usr_mean vs Slug



Right In: 2739.158+/-404.821 χ^2/NDF: 9.5/16

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1948.847+/-375.067 χ^2/NDF: 13.4/20

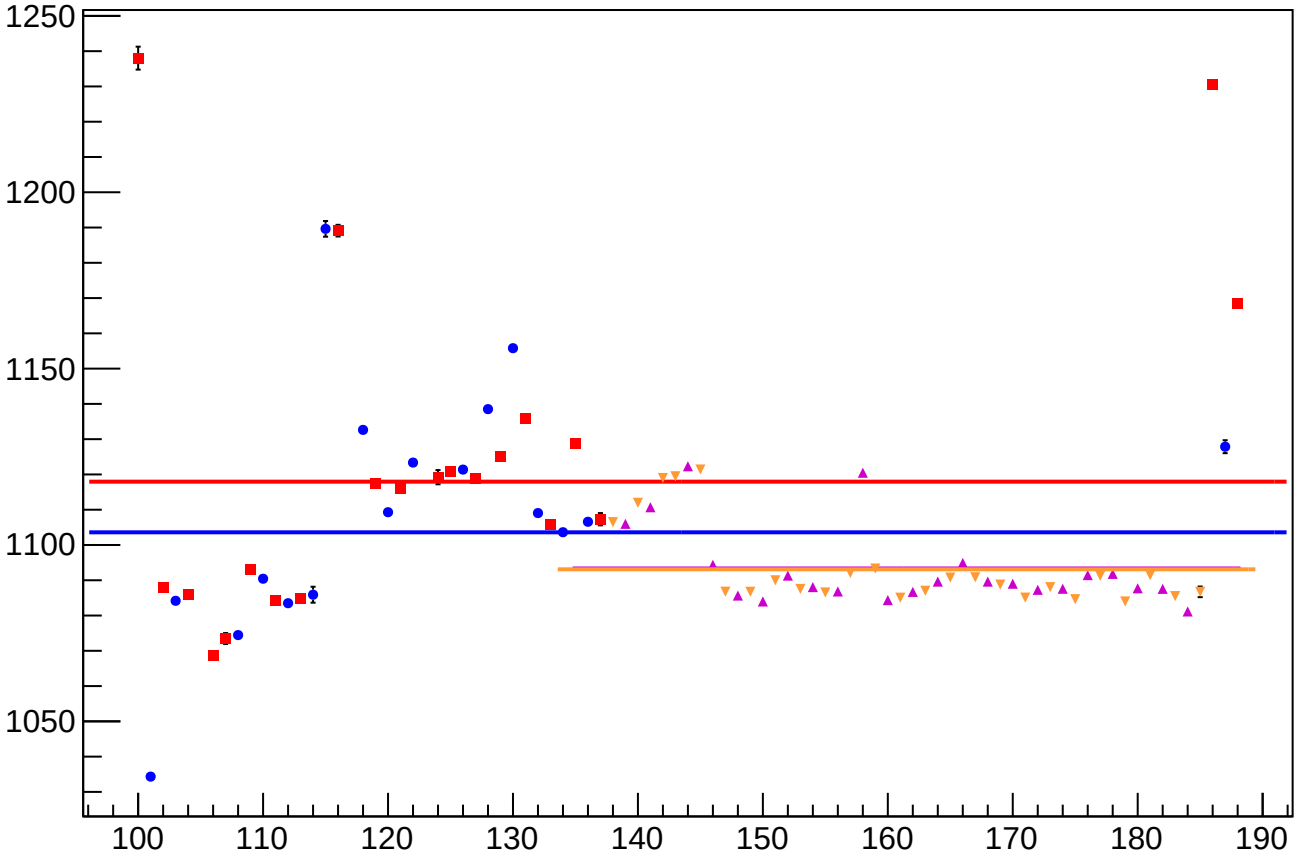
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2275.020+/-211.662 χ^2/NDF: 25.2/41

All: 25.225+/-149.447 χ^2/NDF: 294.1/85

- sign -2211.347+/-211.039 χ^2/NDF: 43.6/43

cor_asym_usr_rms vs Slug



Right In: 1103.593+/-0.286 χ^2/NDF: 13403.1/16

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.953+/-0.265 χ^2/NDF: 20607.2/20

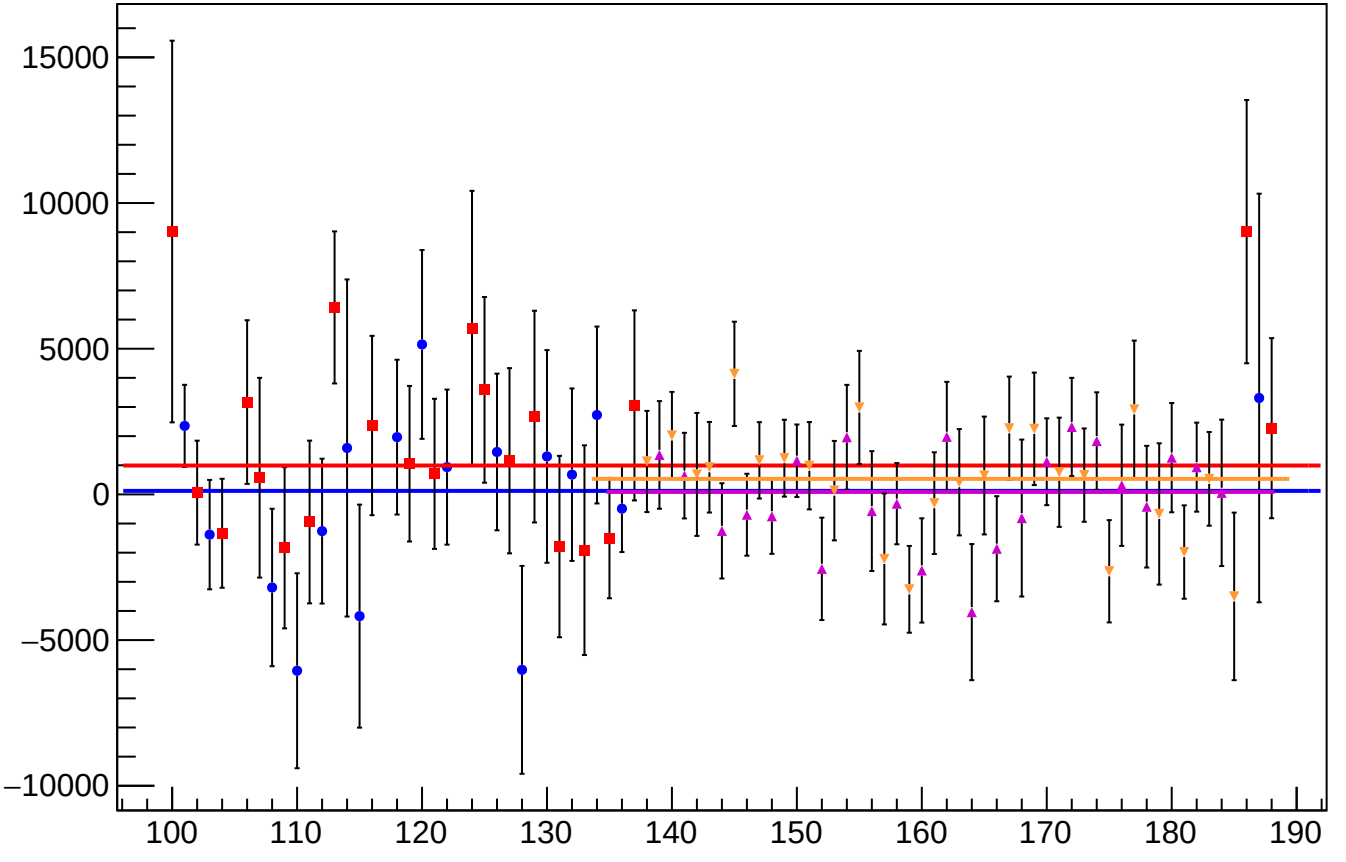
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.970+/-0.150 χ^2/NDF: 18362.2/41

All: 1098.558+/-0.106 χ^2/NDF: 49178.0/85

- sign 1101.131+/-0.149 χ^2/NDF: 30219.5/43

asym_usr_cor_correction_mean vs Slug



Right In: 120.729+/-615.708 χ^2/NDF: 17.1/16

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 991.018+/-617.990 χ^2/NDF: 18.5/20

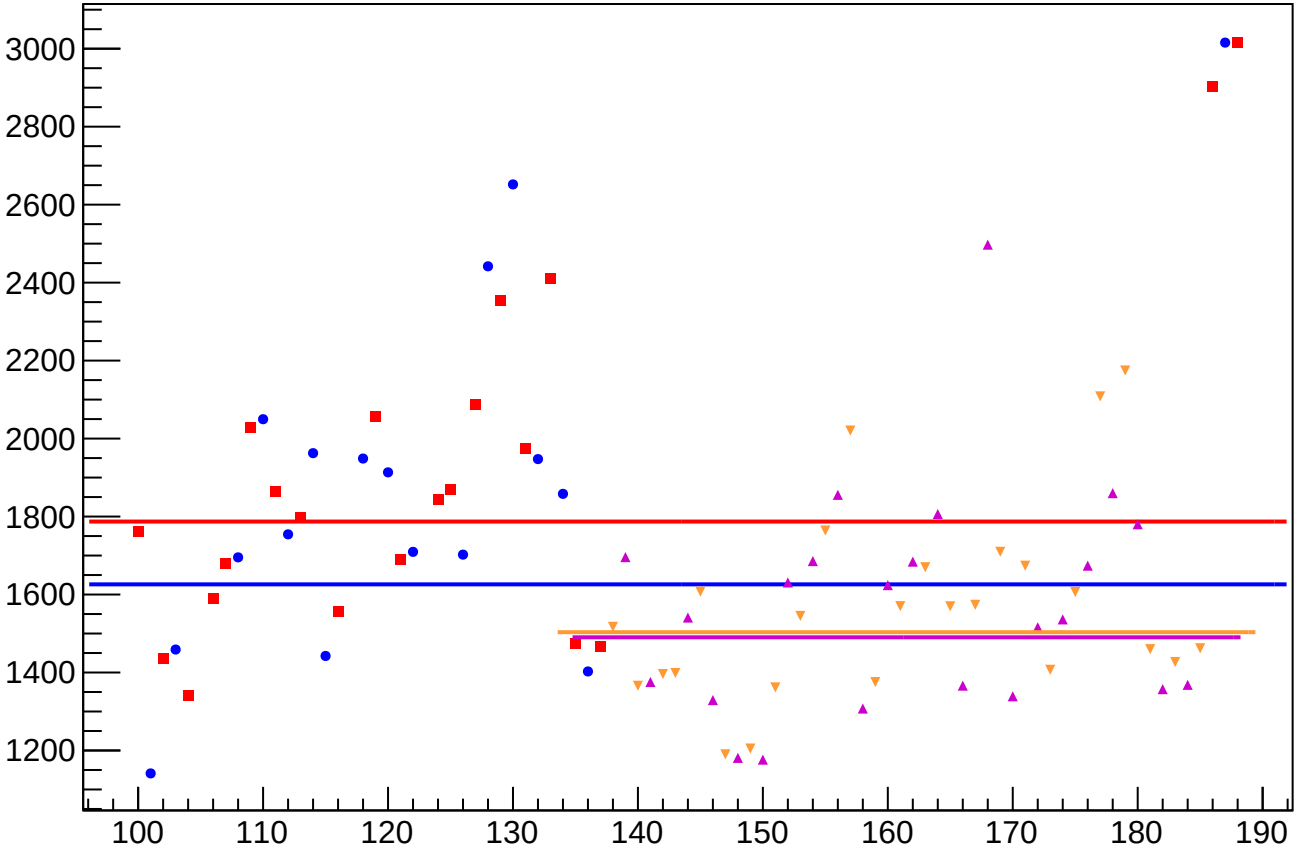
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 433.509+/-302.444 χ^2/NDF: 43.9/41

All: 372.224+/-215.498 χ^2/NDF: 82.2/85

\- sign 309.026+/-307.130 χ^2/NDF: 38.2/43

asym_usr_cor_correction_rms vs Slug



Right In: 1626.112+/-0.435 χ^2/NDF: 772772.2/16

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

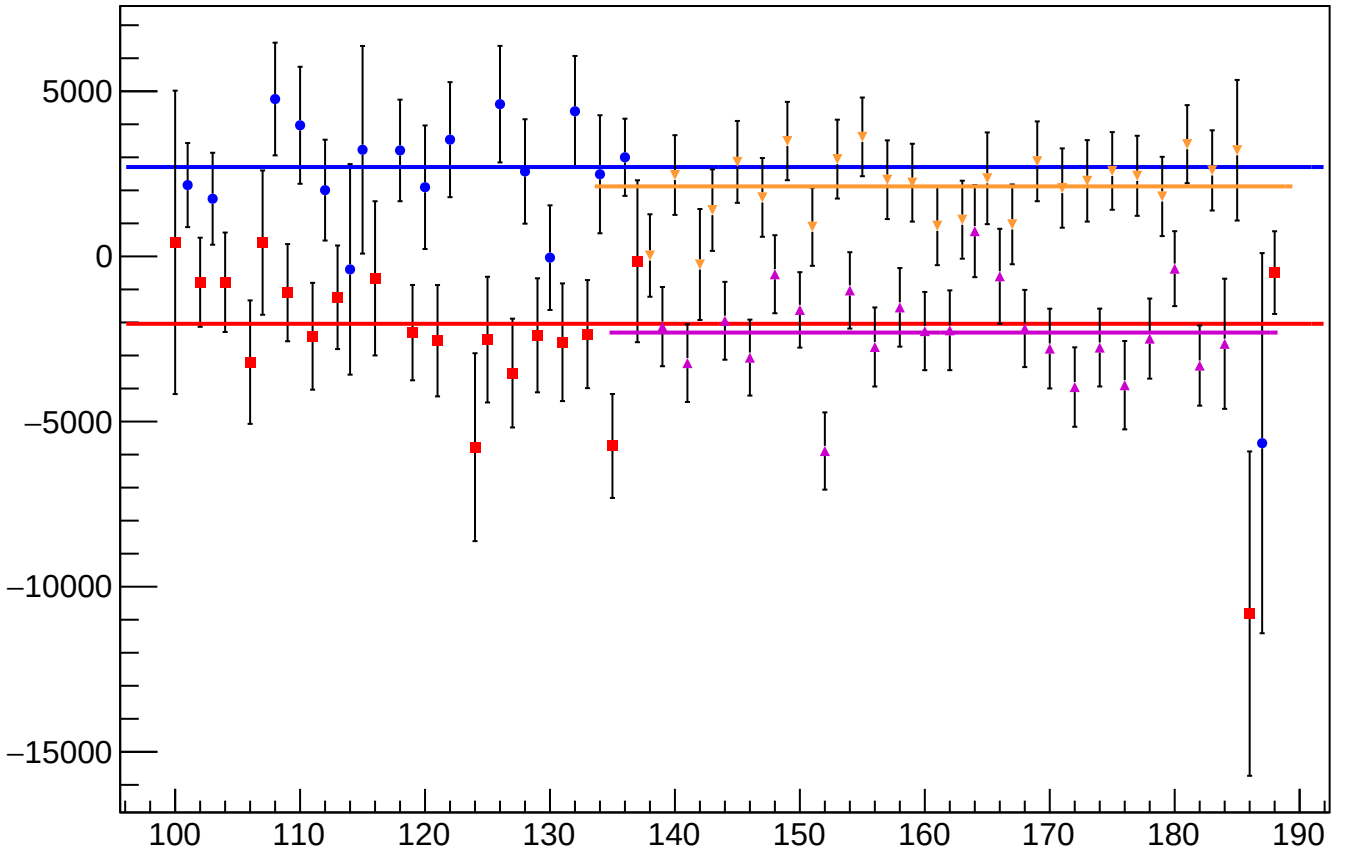
Right Out: 1787.195+/-0.437 χ^2/NDF: 893771.4/20

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1533.037+/-0.214 χ^2/NDF: 1632680.5/41

All: 1548.104+/-0.152 χ^2/NDF: 3852317.5/85

- sign 1563.641+/-0.217 χ^2/NDF: 2209555.2/43



Right In: 2705.760+/-407.732 χ^2/NDF: 11.6/16

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2040.007+/-382.289 χ^2/NDF: 18.3/20

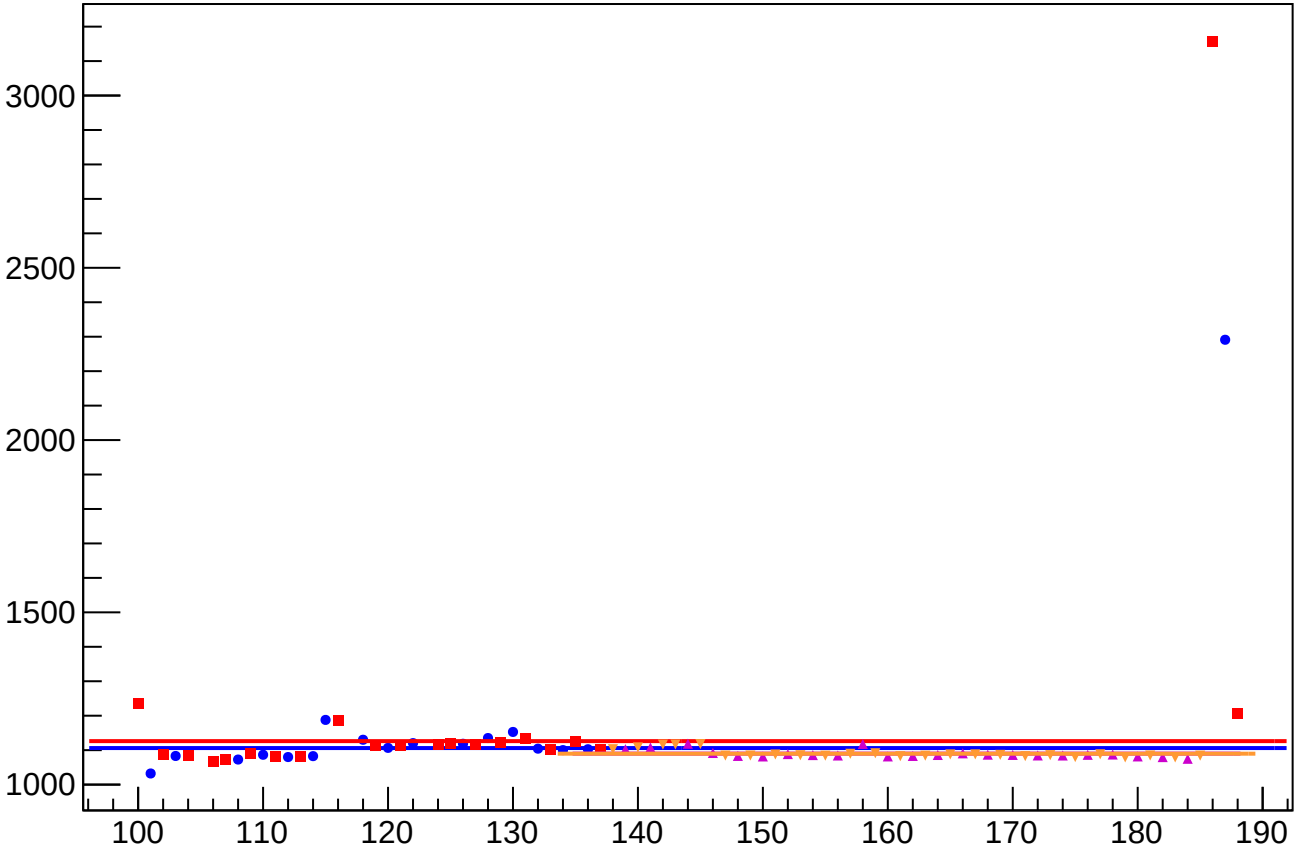
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2277.741+/-211.599 χ^2/NDF: 28.3/41

All: 29.553+/-149.711 χ^2/NDF: 301.4/85

- sign -2223.909+/-211.847 χ^2/NDF: 47.1/43

overload_cor_asym_usr_rms vs Slug



Right In: 1106.069+/-0.288 χ^2/NDF: 98316.7/16

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

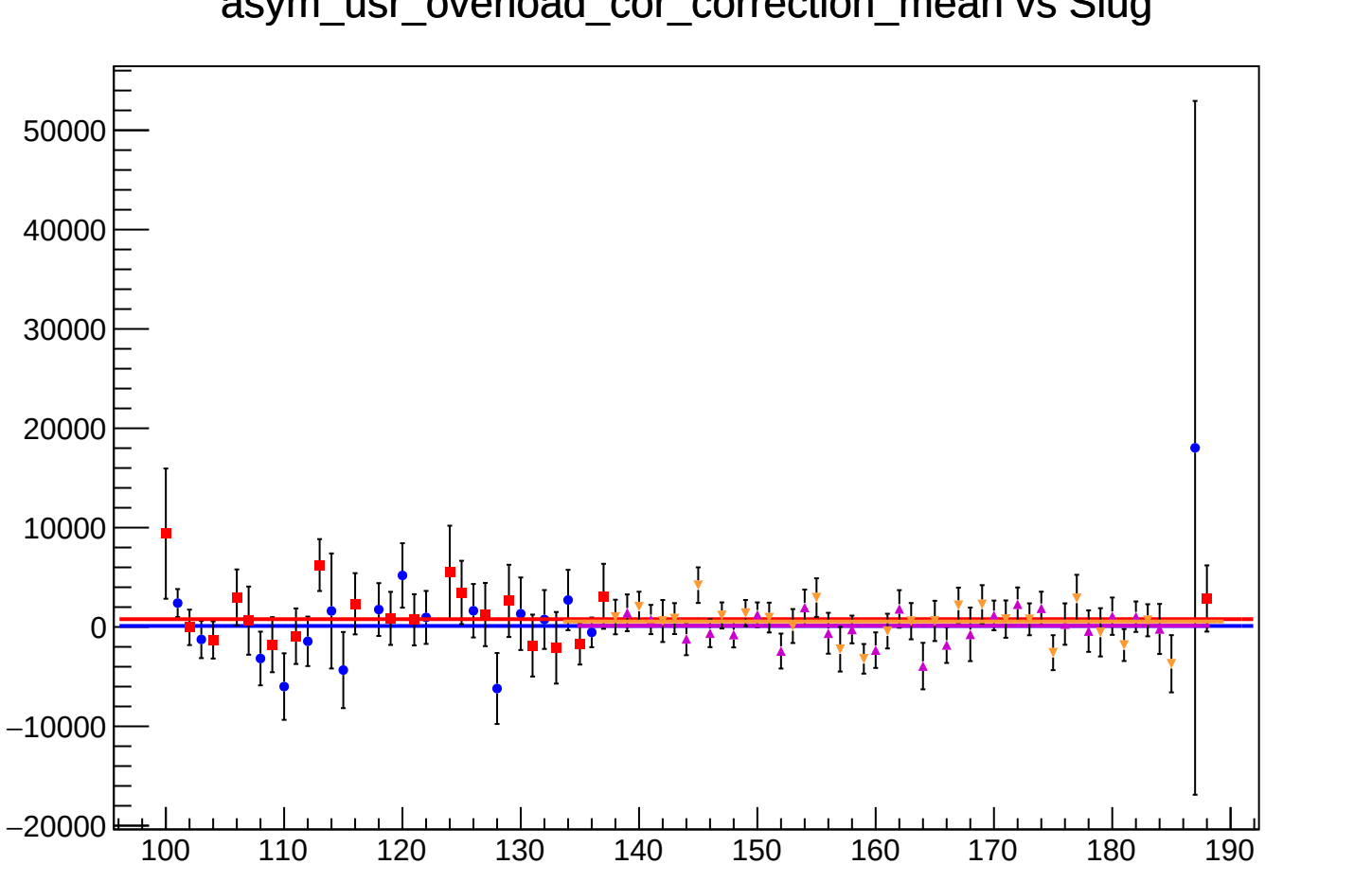
Right Out: 1126.204+/-0.270 χ^2/NDF: 364016.8/20

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

\+ sign 1094.141+/-0.150 χ^2/NDF: 104717.2/41

All: 1097.613+/-0.106 χ^2/NDF: 486162.2/85

\- sign 1101.093+/-0.150 χ^2/NDF: 380366.7/43



Right In: 103.067+/-618.779 χ^2/NDF: 17.5/16

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 787.429+/-626.227 χ^2/NDF: 15.3/19

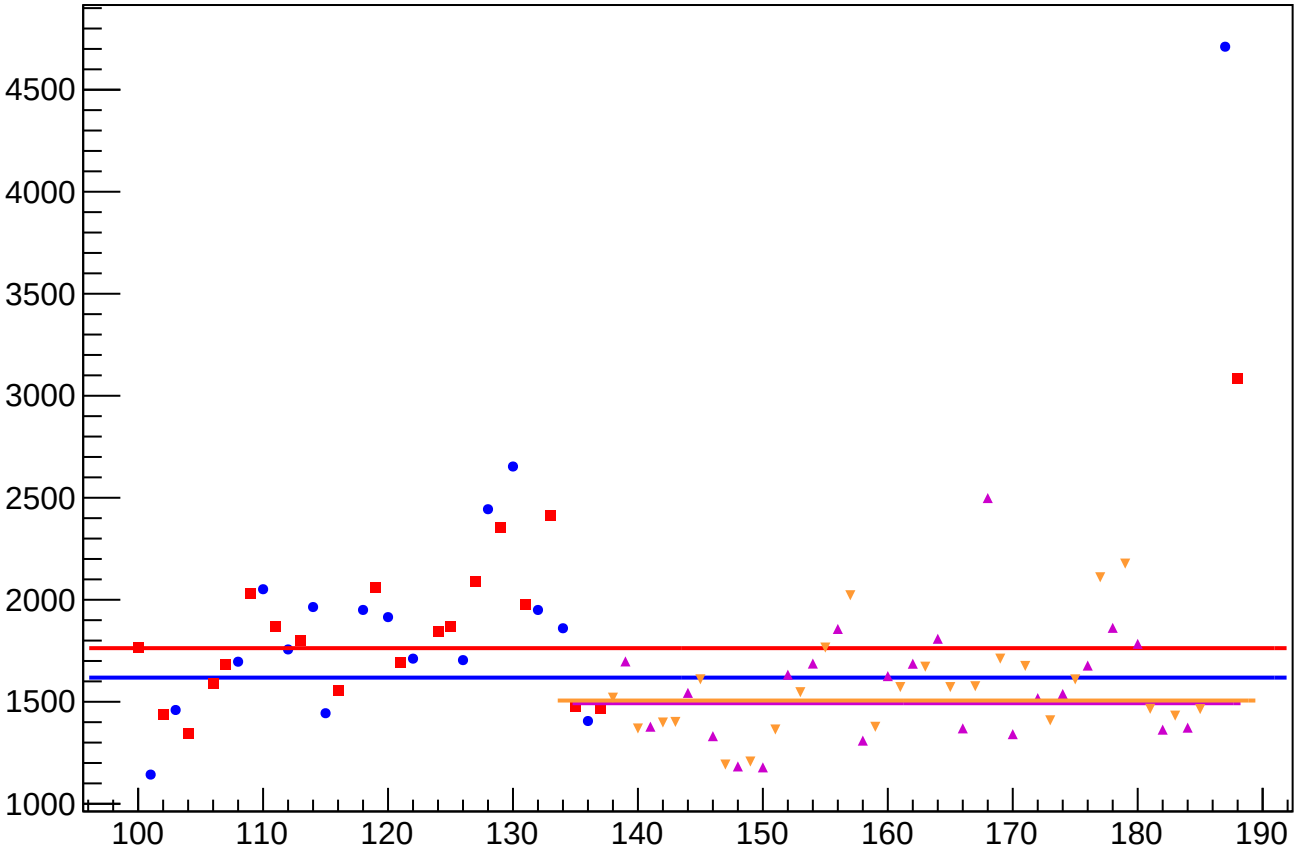
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 445.551+/-303.197 χ^2/NDF: 44.0/41

All: 365.730+/-216.252 χ^2/NDF: 77.5/84

- sign 283.079+/-308.526 χ^2/NDF: 33.3/42

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1618.462+/-0.438 χ^2/NDF: 707417.2/16

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1762.880+/-0.443 χ^2/NDF: 753679.2/19

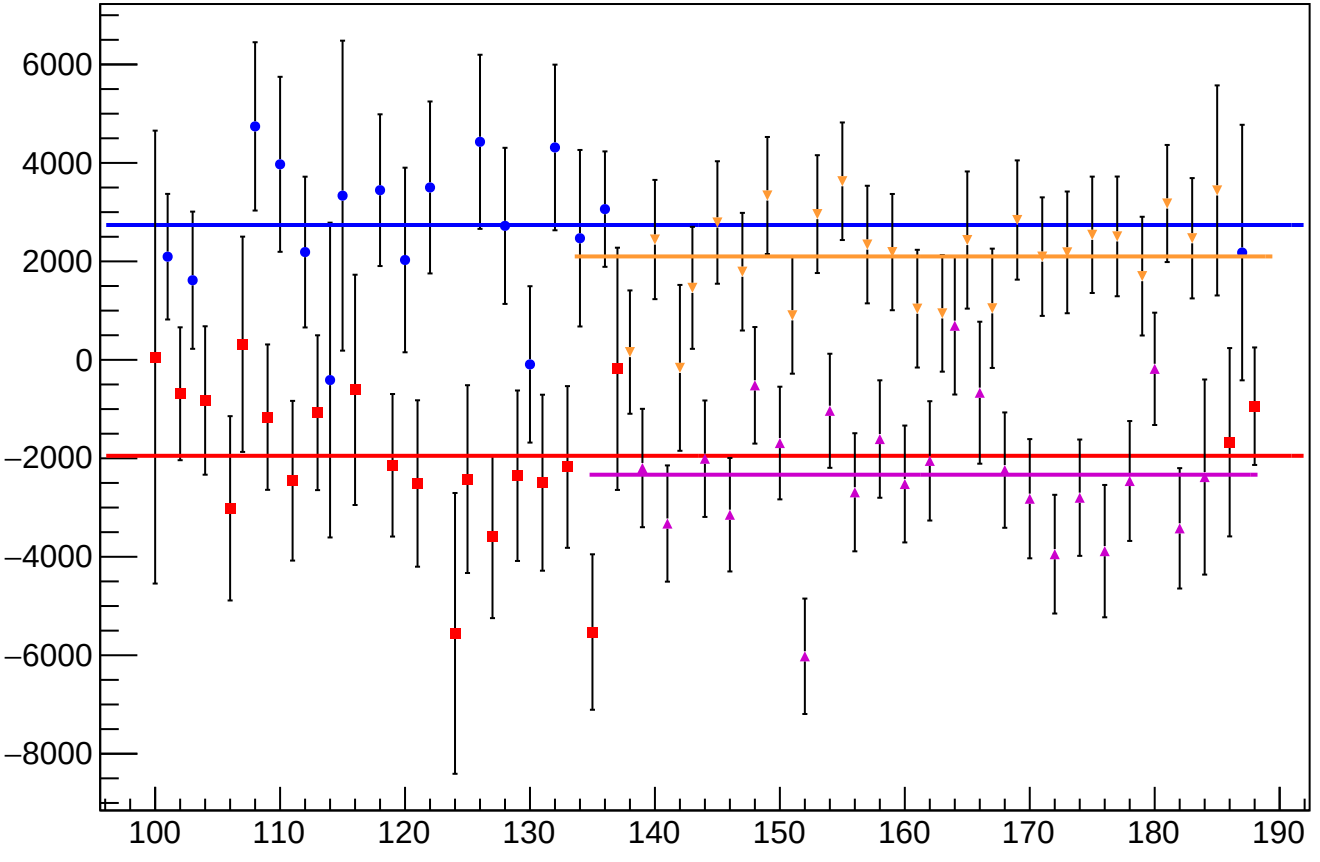
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1533.080+/-0.214 χ^2/NDF: 1553930.7/41

All: 1545.563+/-0.153 χ^2/NDF: 3560212.3/84

- sign 1558.489+/-0.218 χ^2/NDF: 1999380.6/42

eigen_cor_asym_usr_mean vs Slug



Right In: 2739.158+/-404.821 χ^2/NDF: 9.5/16

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1948.847+/-375.067 χ^2/NDF: 13.4/20

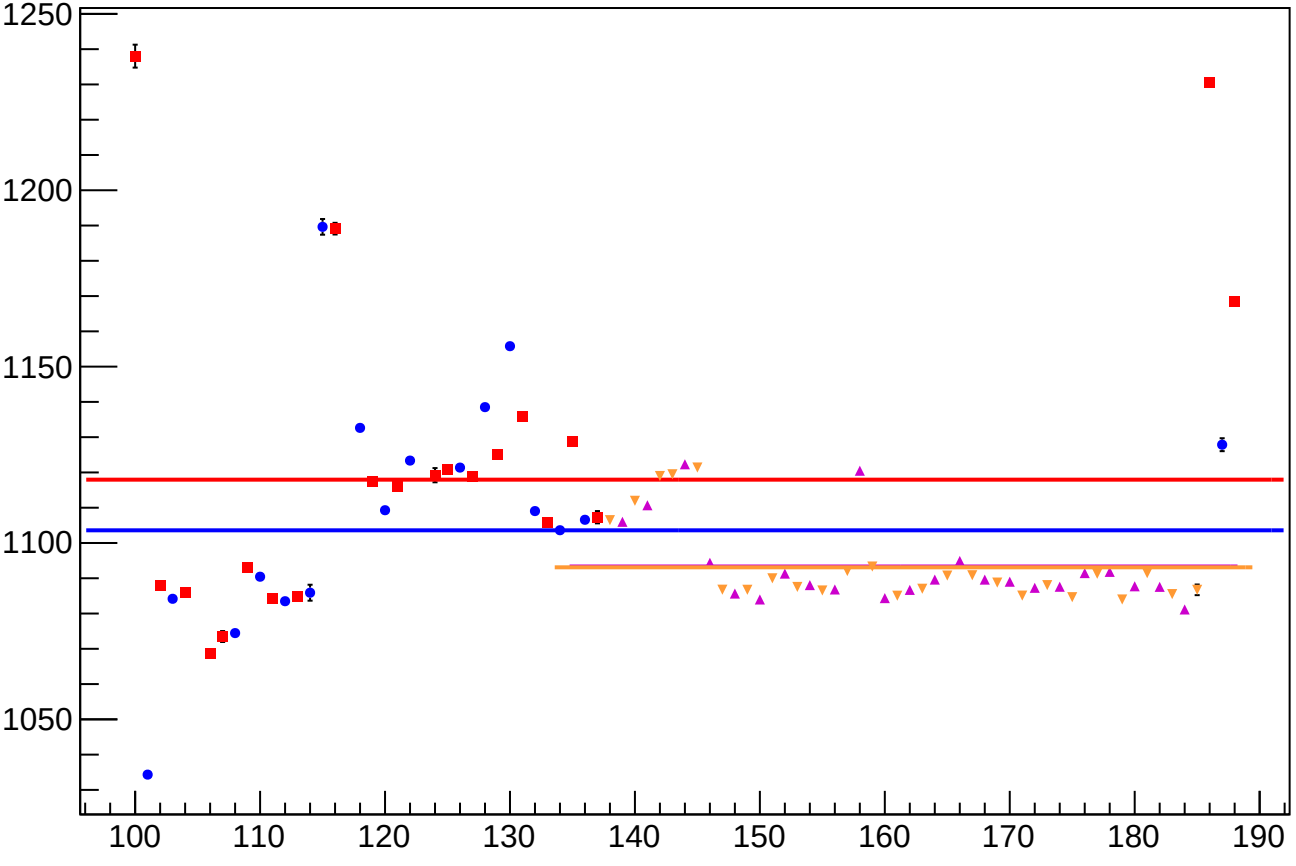
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2275.020+/-211.662 χ^2/NDF: 25.2/41

All: 25.225+/-149.447 χ^2/NDF: 294.1/85

- sign -2211.347+/-211.039 χ^2/NDF: 43.6/43

eigen_cor_asym_usr_rms vs Slug



Right In: 1103.593+/-0.286 χ^2/NDF: 13403.1/16

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.953+/-0.265 χ^2/NDF: 20607.2/20

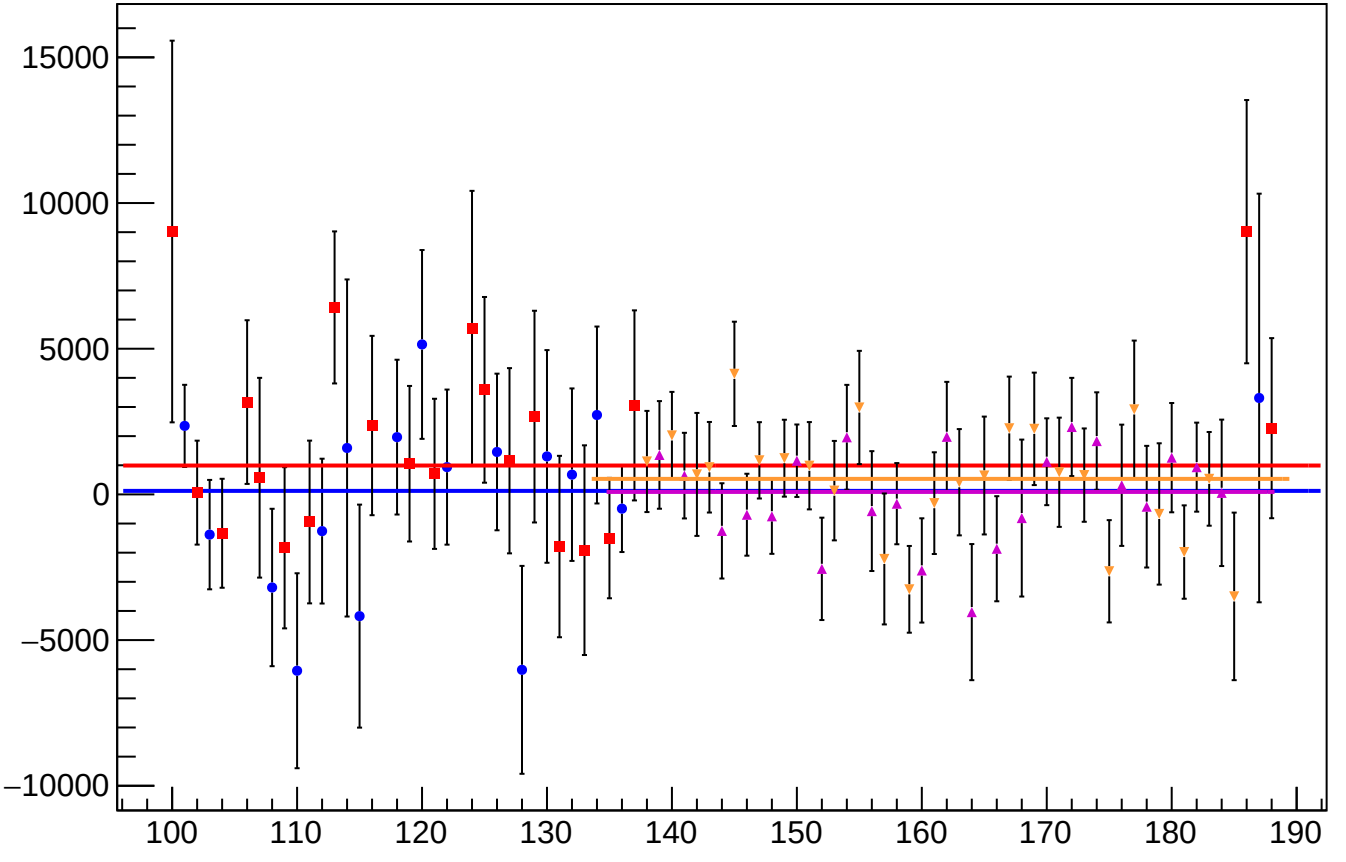
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.970+/-0.150 χ^2/NDF: 18362.2/41

All: 1098.558+/-0.106 χ^2/NDF: 49178.0/85

- sign 1101.131+/-0.149 χ^2/NDF: 30219.5/43

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 120.729+/-615.708 χ^2/NDF: 17.1/16

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 991.018+/-617.990 χ^2/NDF: 18.5/20

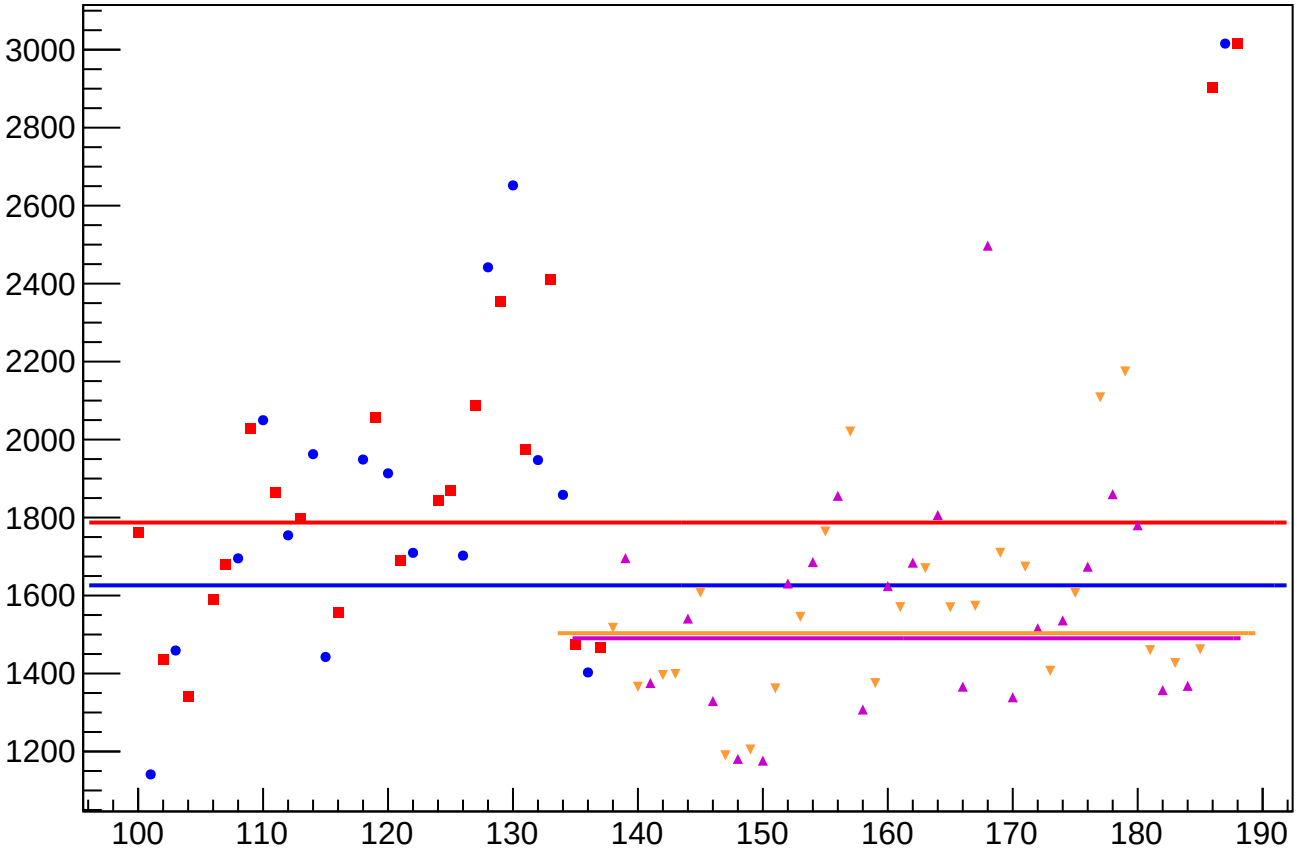
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 433.509+/-302.444 χ^2/NDF: 43.9/41

All: 372.224+/-215.498 χ^2/NDF: 82.2/85

\- sign 309.026+/-307.130 χ^2/NDF: 38.2/43

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1626.112+/-0.435 χ^2/NDF: 772772.2/16

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1787.195+/-0.437 χ^2/NDF: 893771.4/20

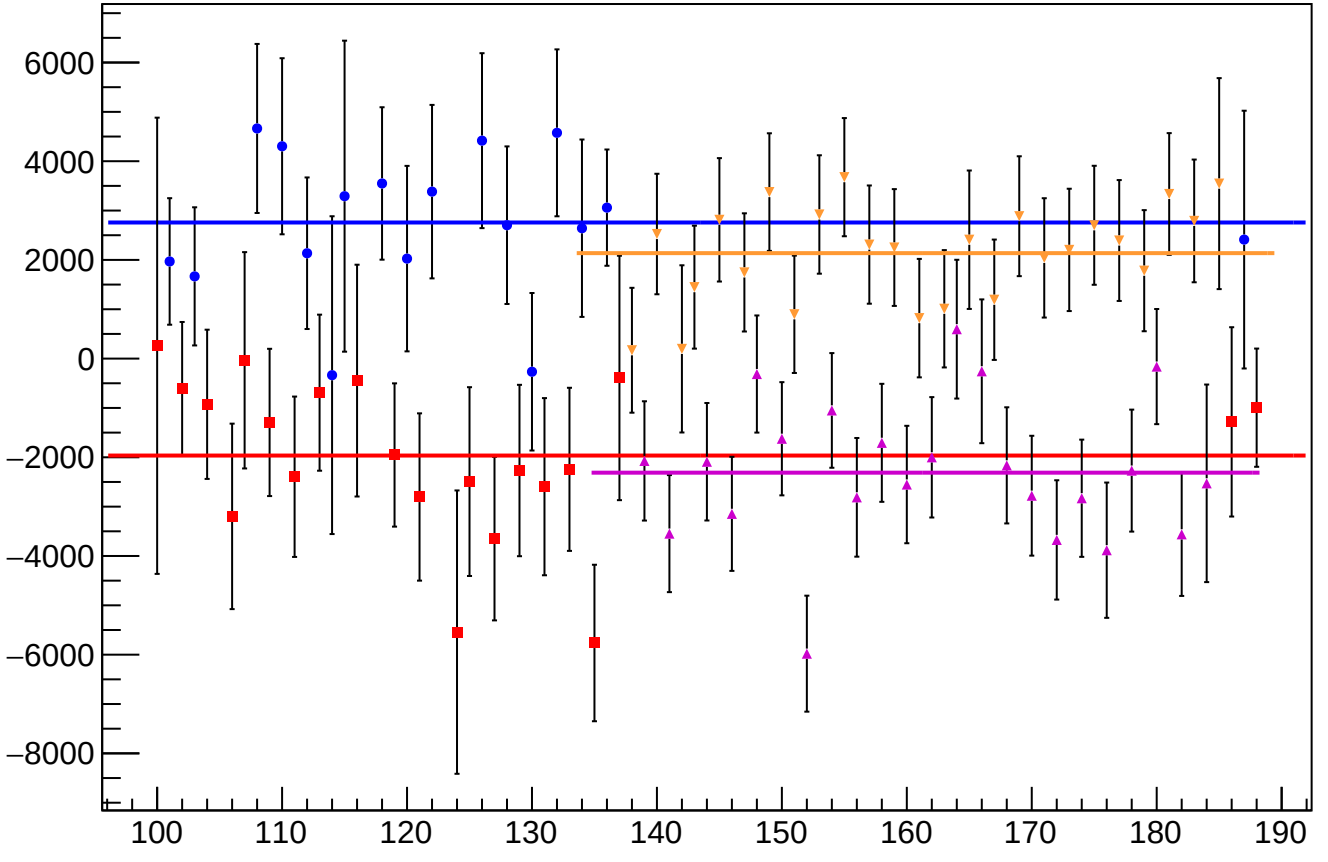
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1533.037+/-0.214 χ^2/NDF: 1632680.5/41

All: 1548.104+/-0.152 χ^2/NDF: 3852317.5/85

- sign 1563.641+/-0.217 χ^2/NDF: 2209555.2/43

dit_asym_usr_mean vs Slug



Right In: 2758.049+/-406.546 χ^2/NDF: 10.3/16

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -1964.677+/-376.687 χ^2/NDF: 14.3/20

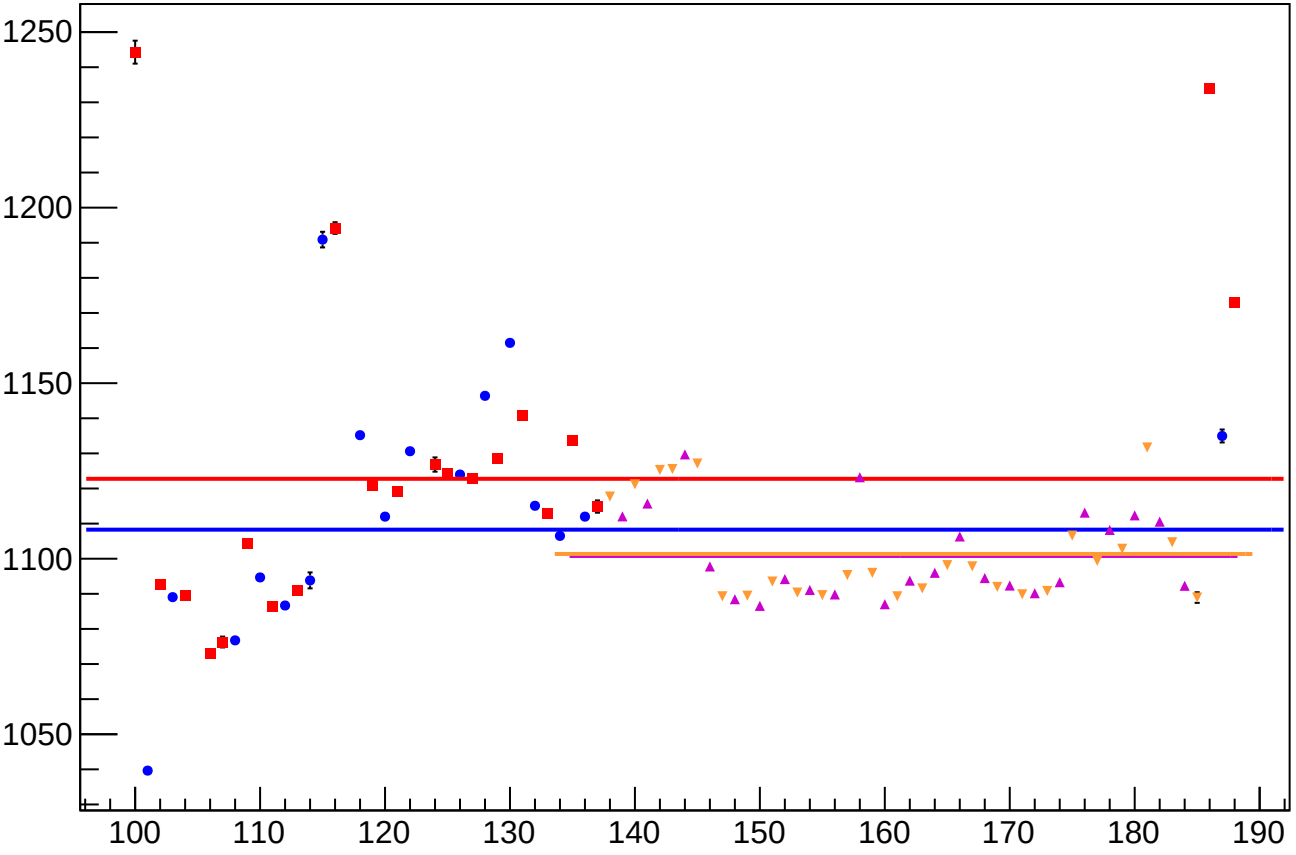
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2307.735+/-213.078 χ^2/NDF: 26.0/41

All: 45.052+/-150.399 χ^2/NDF: 295.5/85

- sign -2201.495+/-212.316 χ^2/NDF: 44.8/43

dit_asym_usr_rms vs Slug



Right In: 1108.276+/-0.287 χ^2/NDF: 13434.8/16

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1122.762+/-0.266 χ^2/NDF: 20295.5/20

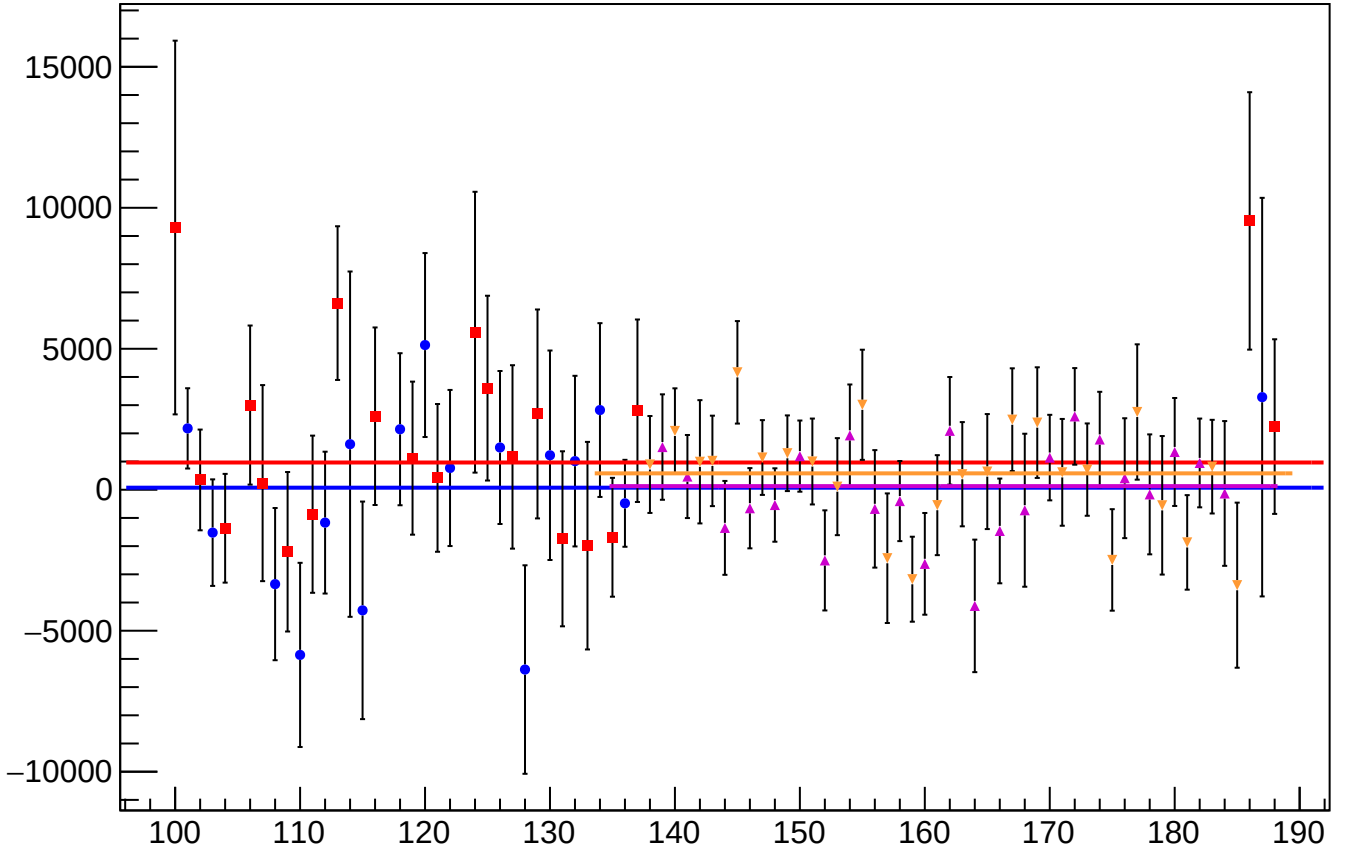
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.255+/-0.151 χ^2/NDF: 19806.0/41

All: 1105.522+/-0.106 χ^2/NDF: 49835.9/85

- sign 1107.772+/-0.150 χ^2/NDF: 29578.9/43

asym_usr_dit_correction_mean vs Slug



Right In: 73.176+/-625.595 χ^2/NDF: 17.1/16

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 966.451+/-628.041 χ^2/NDF: 18.8/20

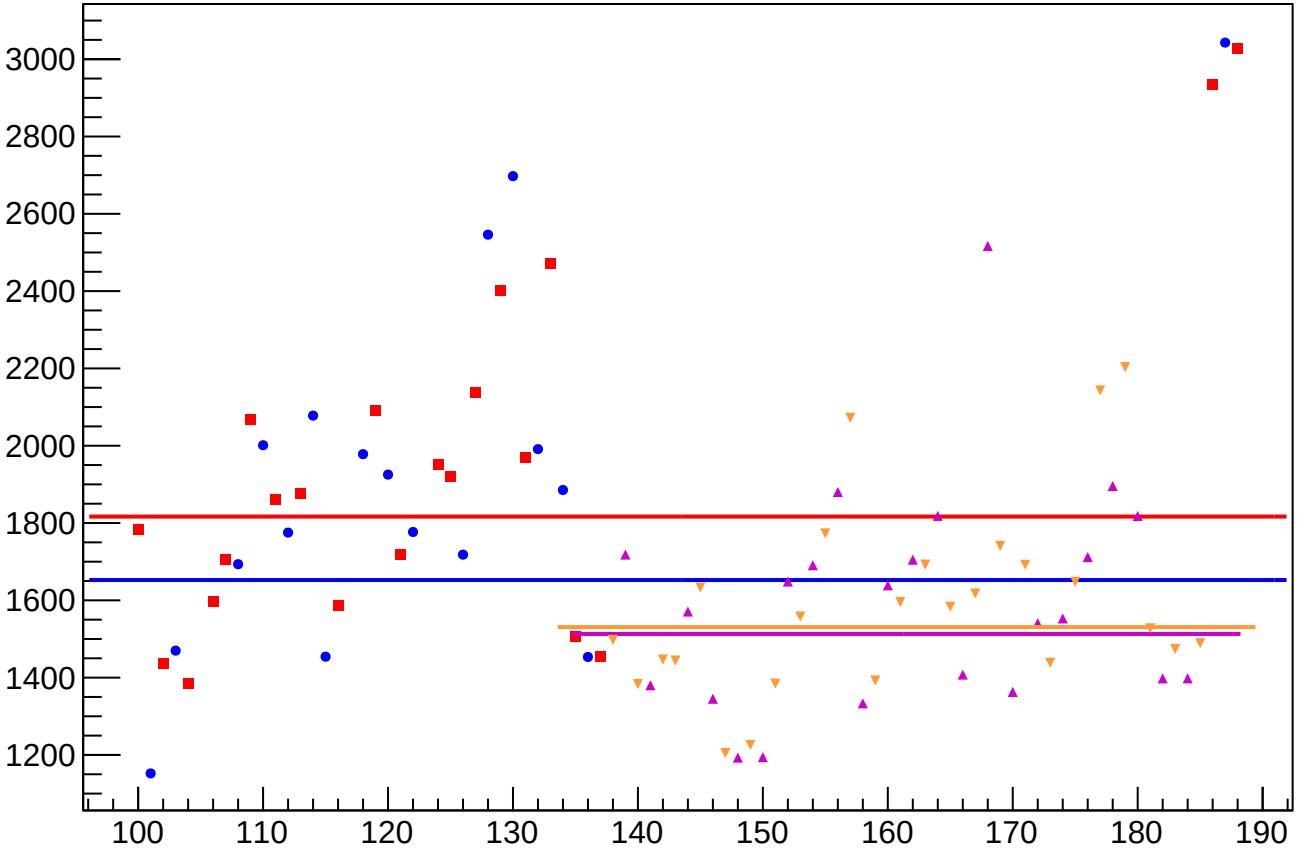
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

\+ sign 458.479+/-307.691 χ^2/NDF: 43.0/41

All: 397.640+/-218.994 χ^2/NDF: 81.0/85

\- sign 335.182+/-311.758 χ^2/NDF: 38.0/43

asym_usr_dit_correction_rms vs Slug



Right In: 1652.517+/-0.442 χ^2/NDF: 779324.3/16

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1816.677+/-0.444 χ^2/NDF: 890990.2/20

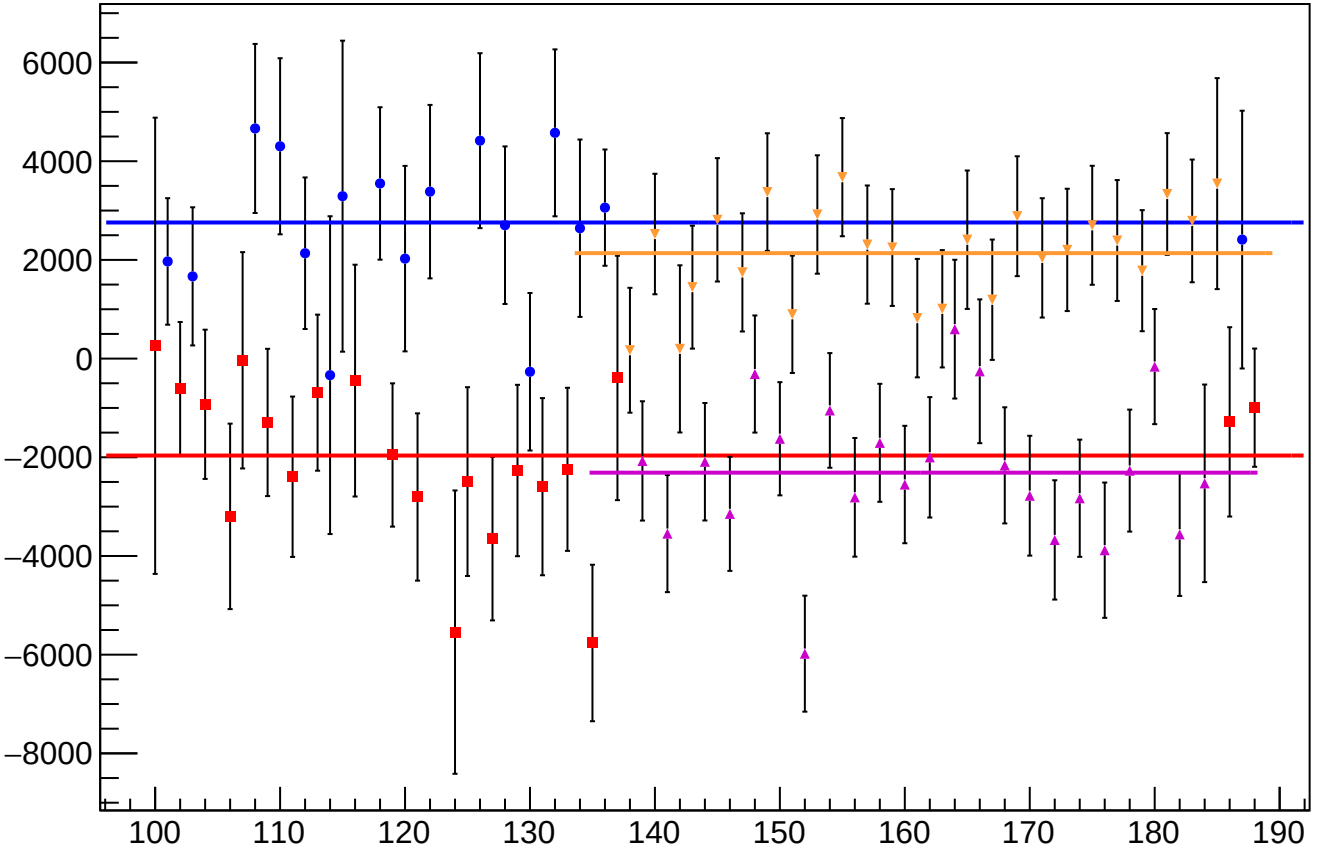
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1560.217+/-0.218 χ^2/NDF: 1632386.9/41

All: 1573.822+/-0.155 χ^2/NDF: 3840866.0/85

- sign 1587.789+/-0.220 χ^2/NDF: 2200554.5/43

eigen_dit_asym_usr_mean vs Slug



Right In: 2758.048+/-406.546 χ^2/NDF: 10.3/16

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -1964.677+/-376.686 χ^2/NDF: 14.3/20

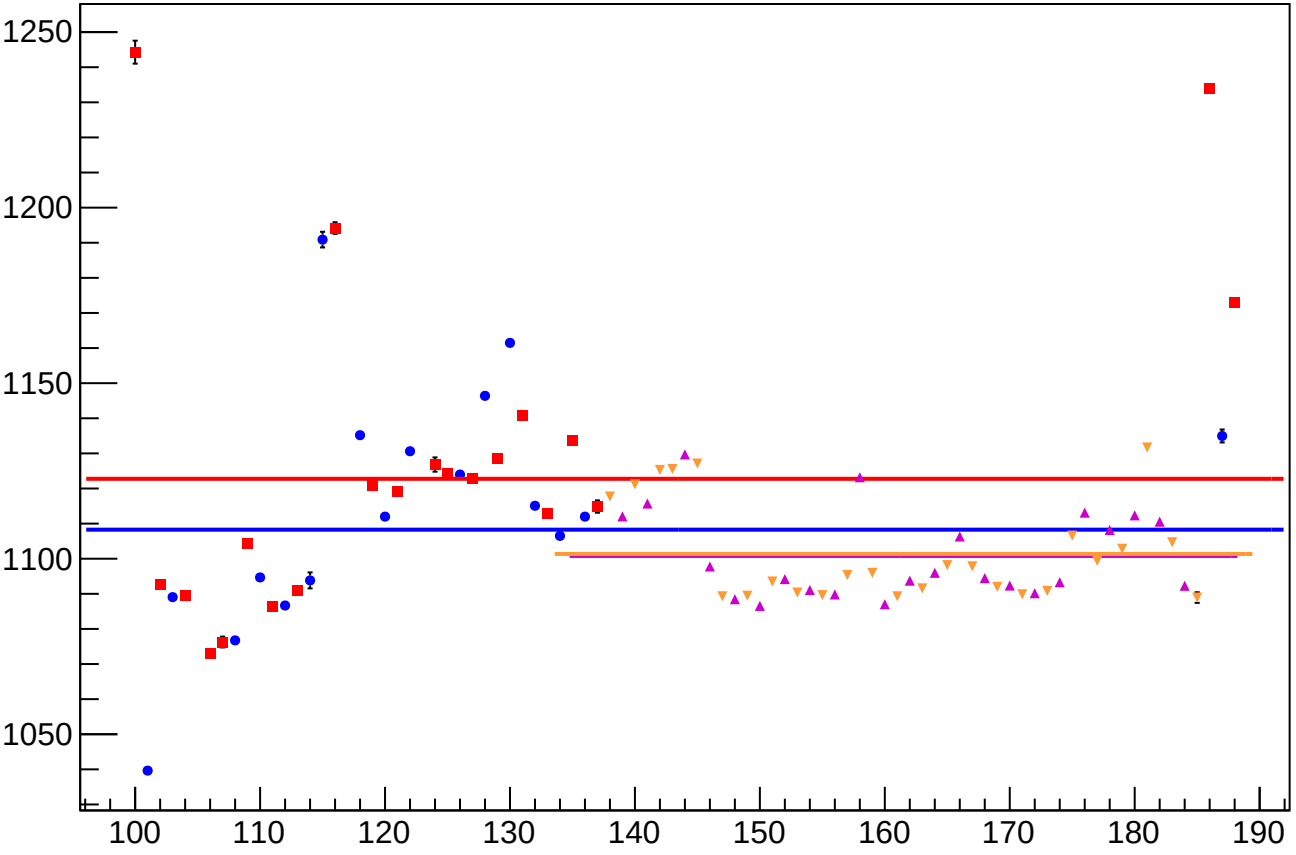
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2307.733+/-213.078 χ^2/NDF: 26.0/41

All: 45.051+/-150.399 χ^2/NDF: 295.5/85

- sign -2201.495+/-212.316 χ^2/NDF: 44.8/43

eigen_dit_asym_usr_rms vs Slug



Right In: 1108.276+/-0.287 χ^2/NDF: 13434.7/16

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1122.761+/-0.266 χ^2/NDF: 20295.5/20

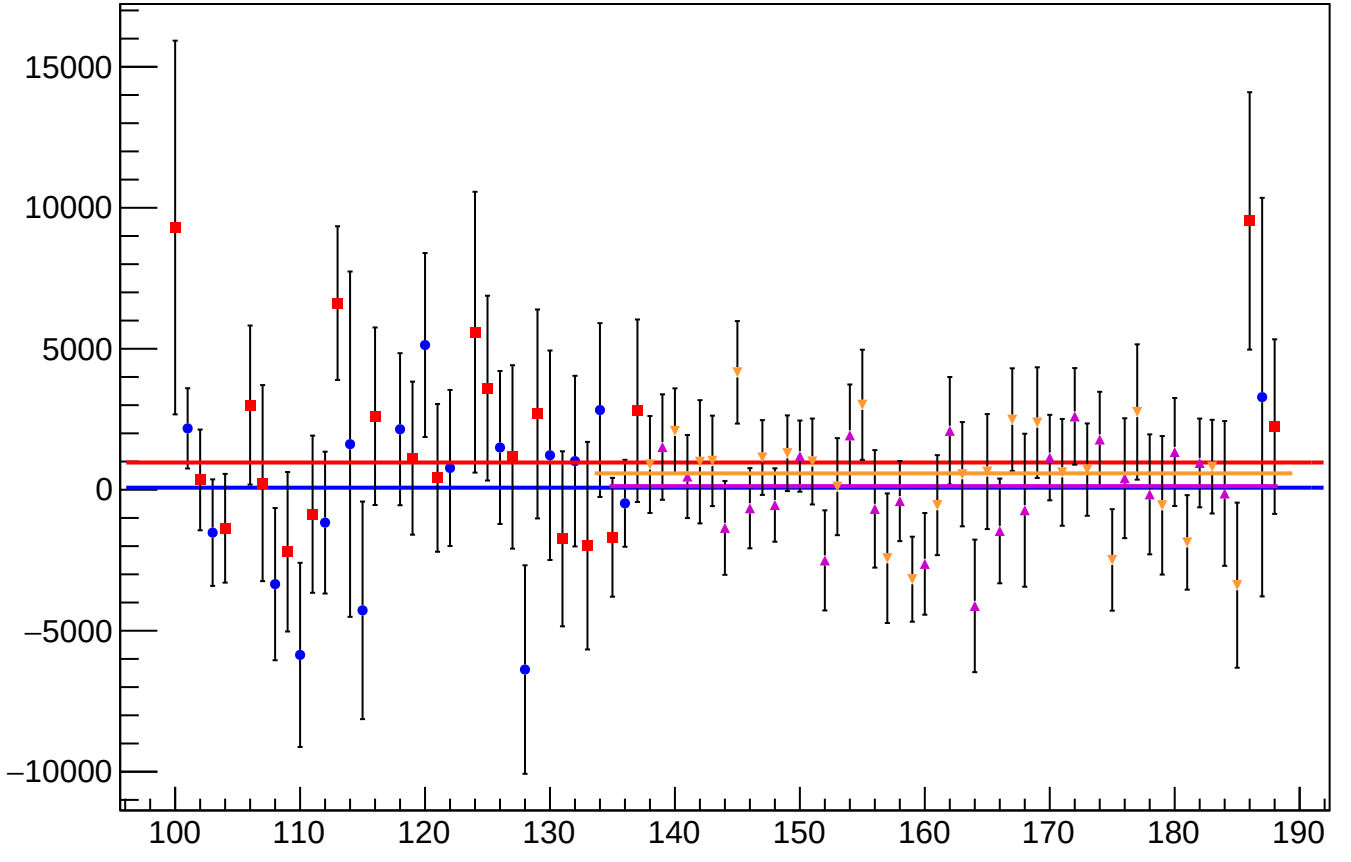
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.255+/-0.151 χ^2/NDF: 19805.9/41

All: 1105.522+/-0.106 χ^2/NDF: 49835.7/85

- sign 1107.772+/-0.150 χ^2/NDF: 29578.9/43

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 73.172+/-625.594 χ^2/NDF: 17.1/16

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 966.454+/-628.040 χ^2/NDF: 18.8/20

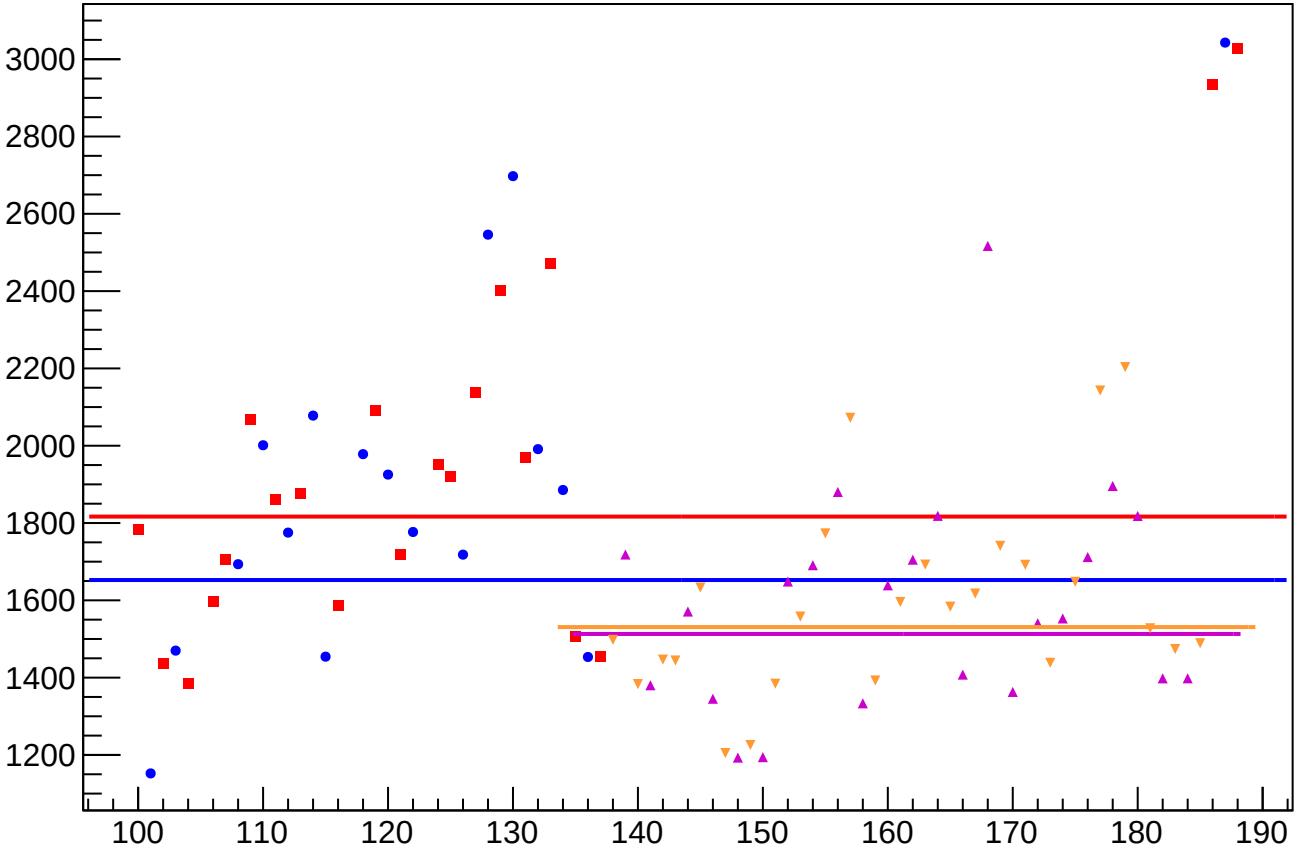
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

\+ sign 458.477+/-307.692 χ^2/NDF: 43.0/41

All: 397.640+/-218.994 χ^2/NDF: 81.0/85

\- sign 335.184+/-311.758 χ^2/NDF: 38.0/43

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1652.515+/-0.442 χ^2/NDF: 779311.6/16

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

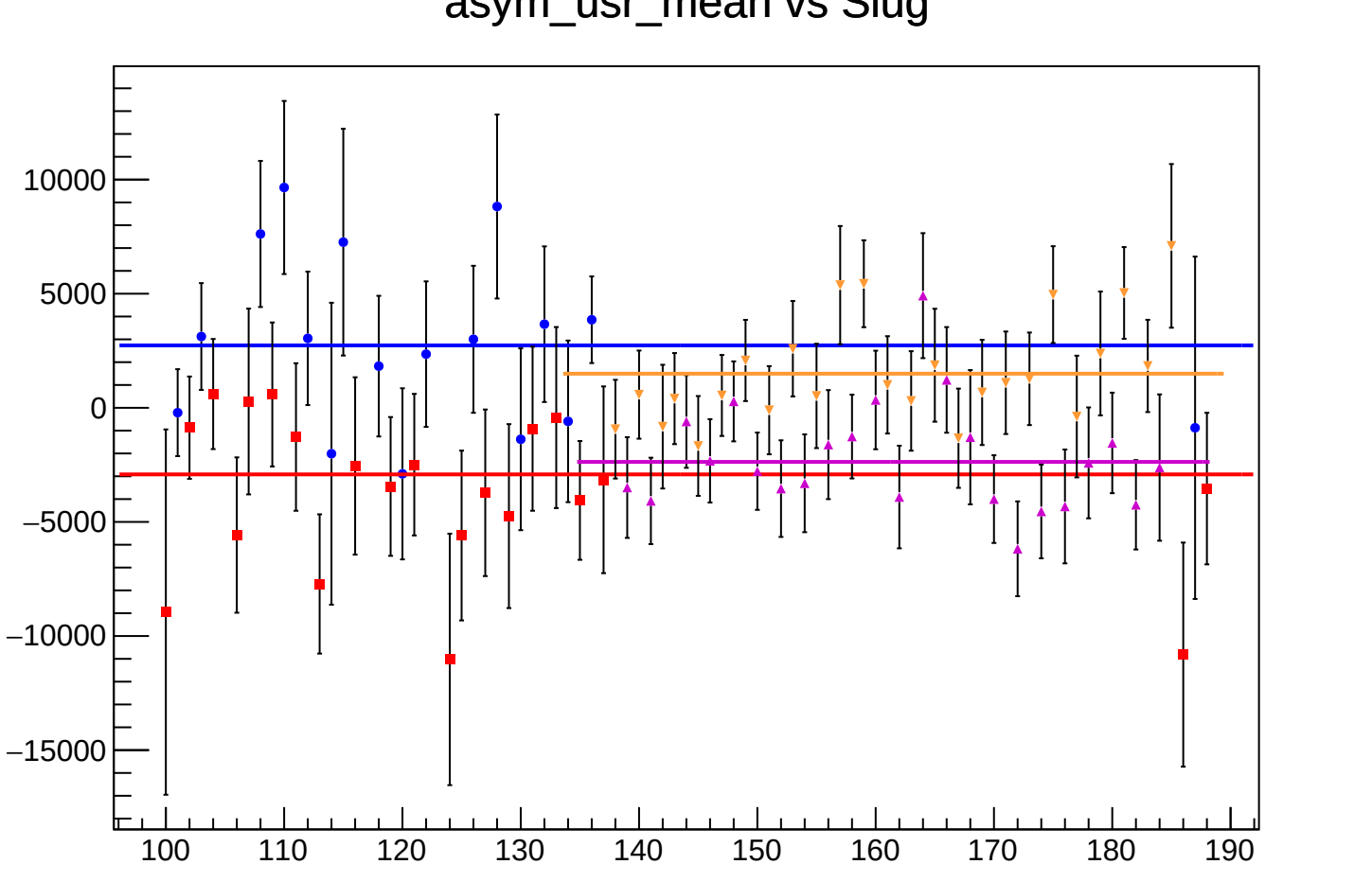
Right Out: 1816.676+/-0.444 χ^2/NDF: 890976.0/20

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1560.219+/-0.218 χ^2/NDF: 1632372.6/41

All: 1573.825+/-0.155 χ^2/NDF: 3840831.6/85

- sign 1587.792+/-0.220 χ^2/NDF: 2200534.3/43



Right In: 2733.178+/-753.281 χ^2/NDF: 16.7/16

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -2917.750+/-737.704 χ^2/NDF: 15.2/20

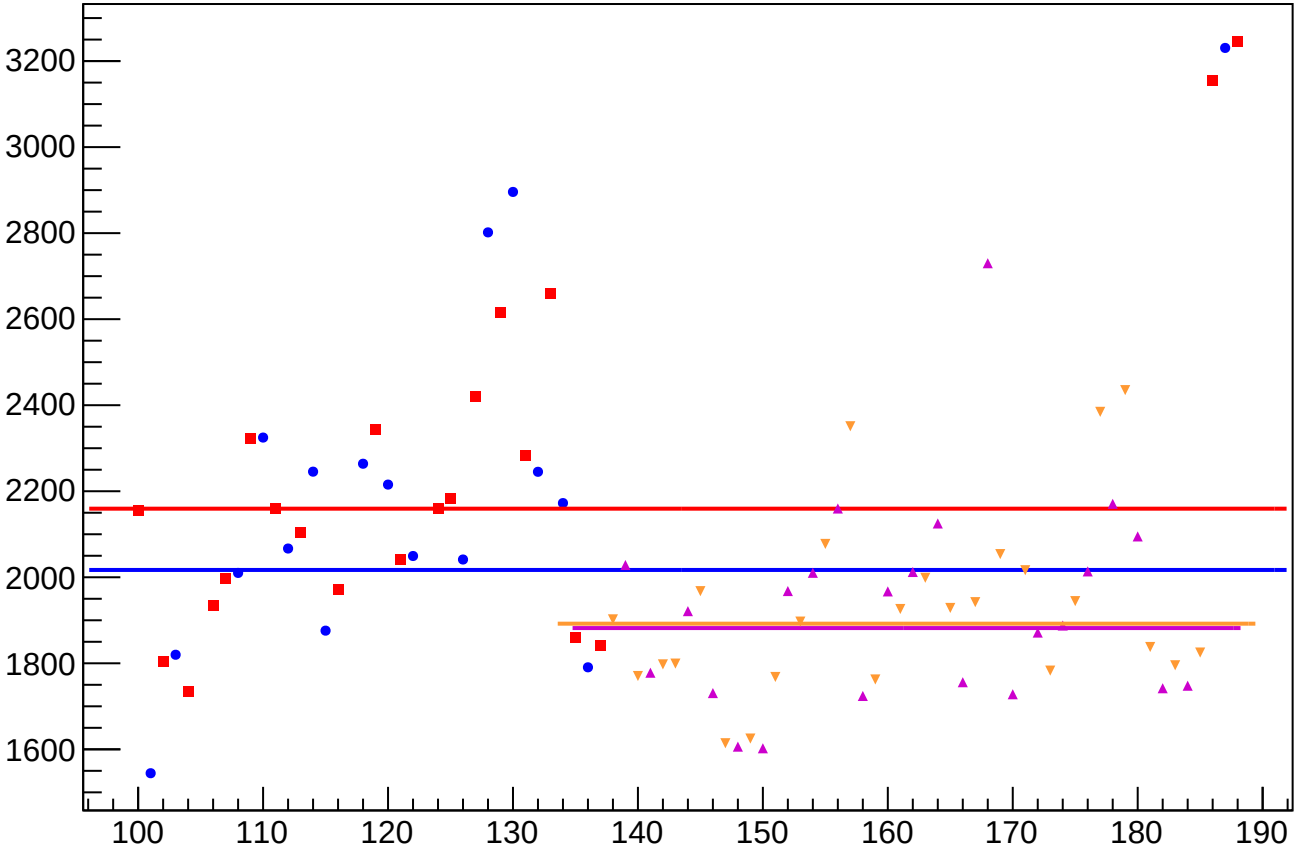
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1802.734+/-375.527 χ^2/NDF: 42.5/41

All: -332.301+/-267.020 χ^2/NDF: 147.2/85

- sign -2515.661+/-379.754 χ^2/NDF: 39.3/43

asym_usr_rms vs Slug



Right In: 2017.001+/-0.533 χ^2/NDF: 440461.5/16

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

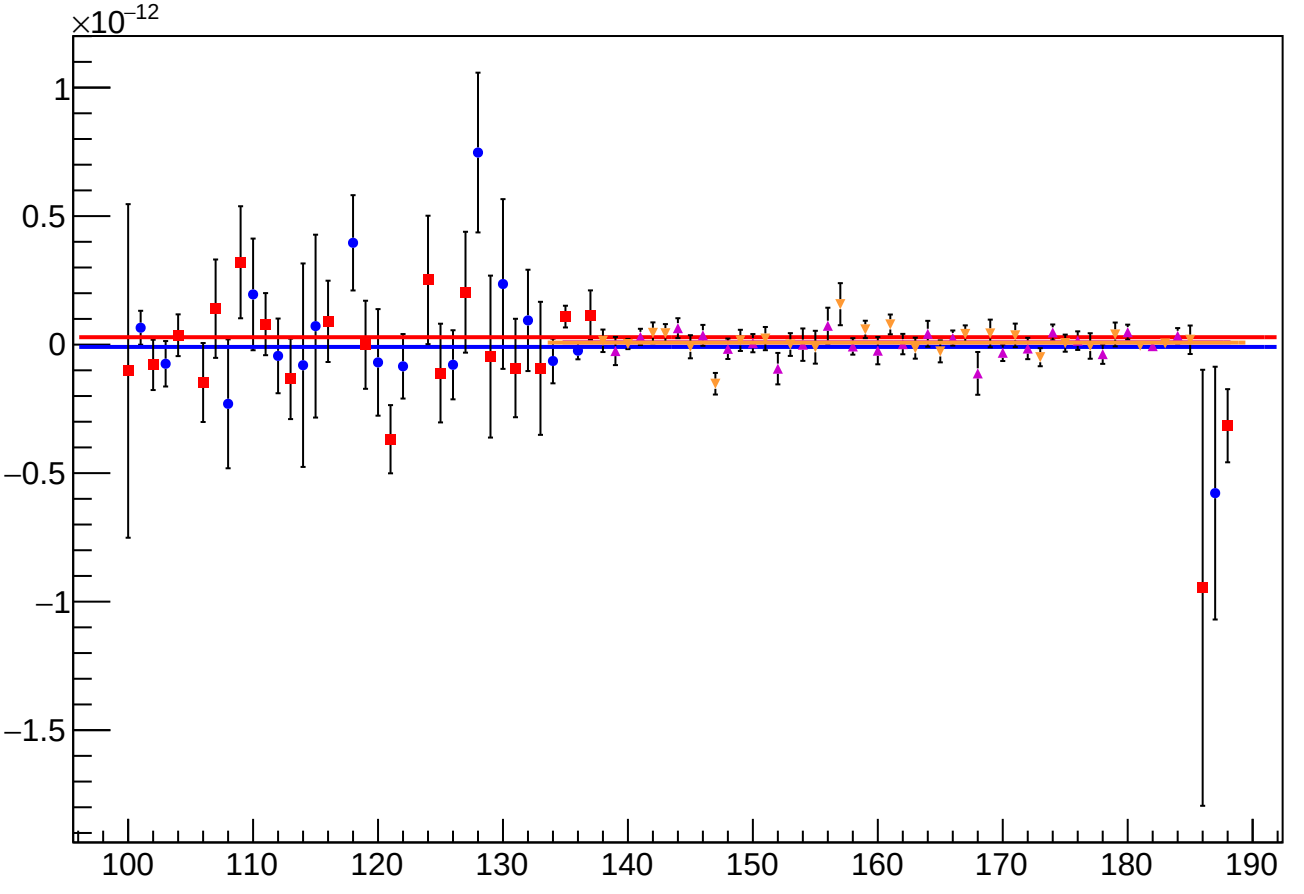
Right Out: 2159.456+/-0.522 χ^2/NDF: 549483.1/20

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 1923.154+/-0.266 χ^2/NDF: 871418.6/41

All: 1939.119+/-0.189 χ^2/NDF: 2098978.0/85

- sign 1955.445+/-0.269 χ^2/NDF: 1220248.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

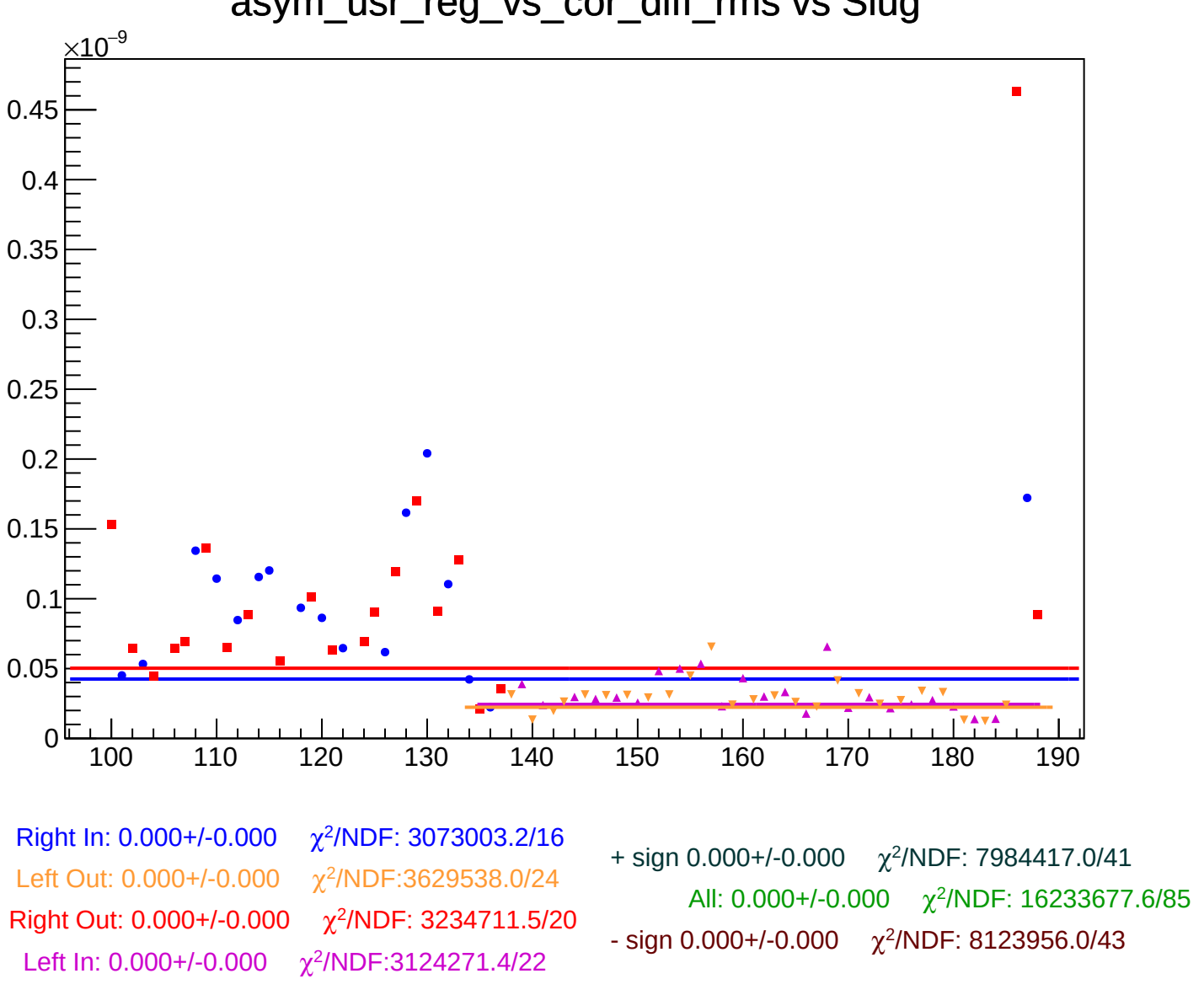
Right Out: 0.000+/-0.000 χ^2/NDF: 29.2/20

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

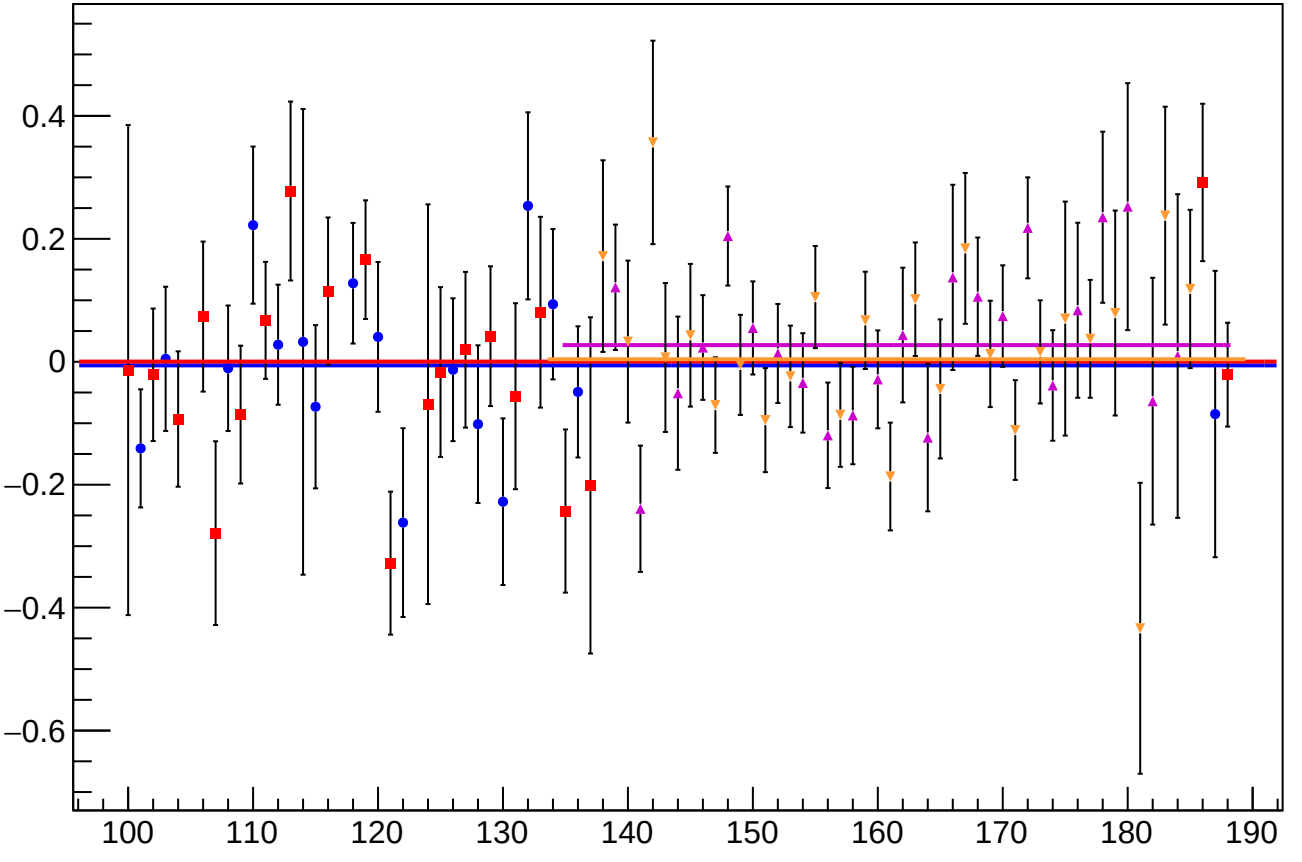
+ sign 0.000+/-0.000 χ^2/NDF: 50.6/41

All: 0.000+/-0.000 χ^2/NDF: 99.6/85

- sign 0.000+/-0.000 χ^2/NDF: 48.8/43


asym_usr_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3073003.2/16
Left Out: 0.000+/-0.000 χ²/NDF:3629538.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 3234711.5/20
Left In: 0.000+/-0.000 χ²/NDF:3124271.4/22
+ sign 0.000+/-0.000 χ²/NDF: 7984417.0/41
All: 0.000+/-0.000 χ²/NDF: 16233677.6/85
- sign 0.000+/-0.000 χ²/NDF: 8123956.0/43

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.030 χ^2/NDF: 17.4/16

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

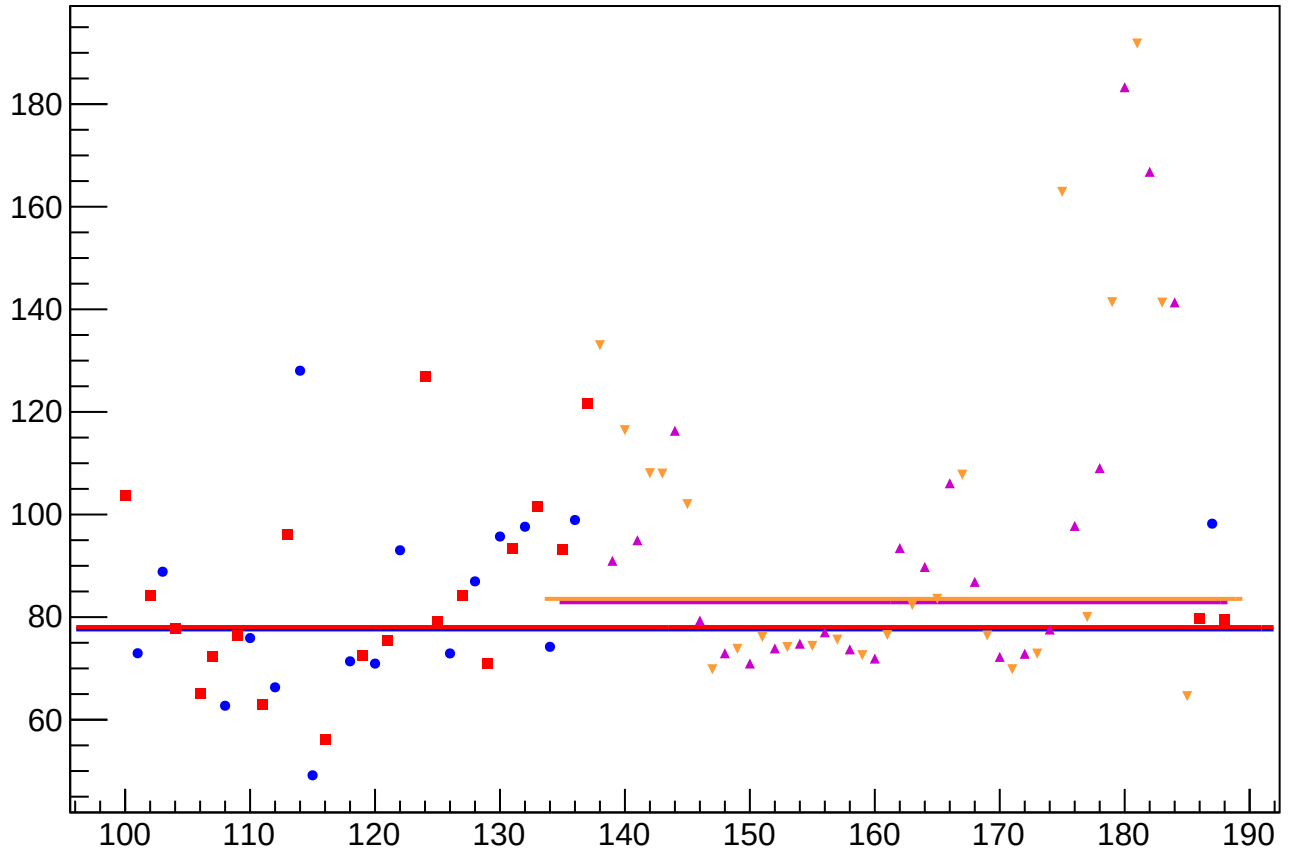
Right Out: 0.000+/-0.027 χ^2/NDF: 30.9/20

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.017 χ^2/NDF: 45.7/41

All: 0.009+/-0.012 χ^2/NDF: 109.6/85

- sign 0.017+/-0.016 χ^2/NDF: 63.5/43



Right In: 77.602+/-0.021 χ^2/NDF: 435216.9/16

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

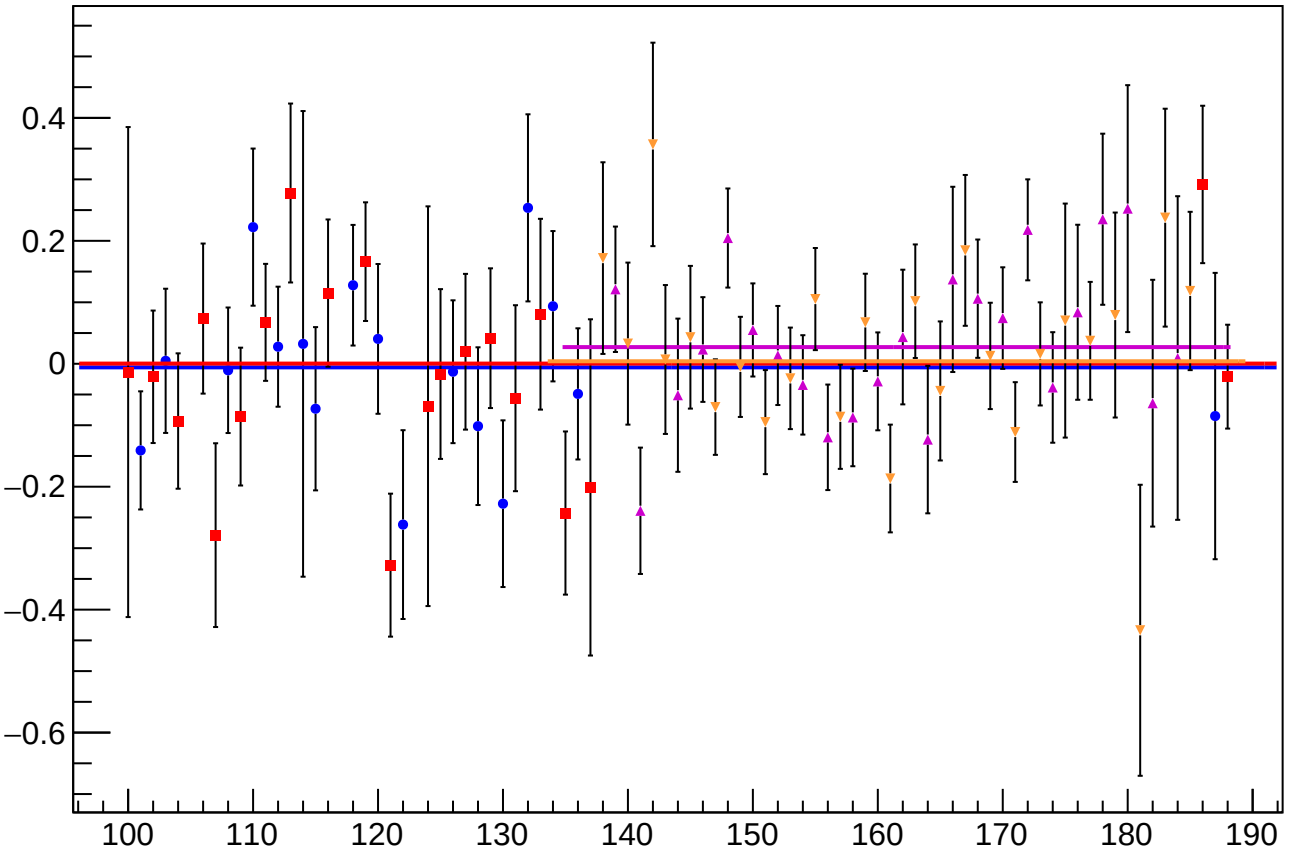
Right Out: 78.074+/-0.019 χ^2/NDF: 397631.6/20

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 81.674+/-0.012 χ^2/NDF: 2662822.1/41

All: 81.410+/-0.008 χ^2/NDF: 4674012.1/85

- sign 81.156+/-0.012 χ^2/NDF: 2010215.1/43



Right In: -0.006+/-0.030 χ^2/NDF: 17.4/16

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

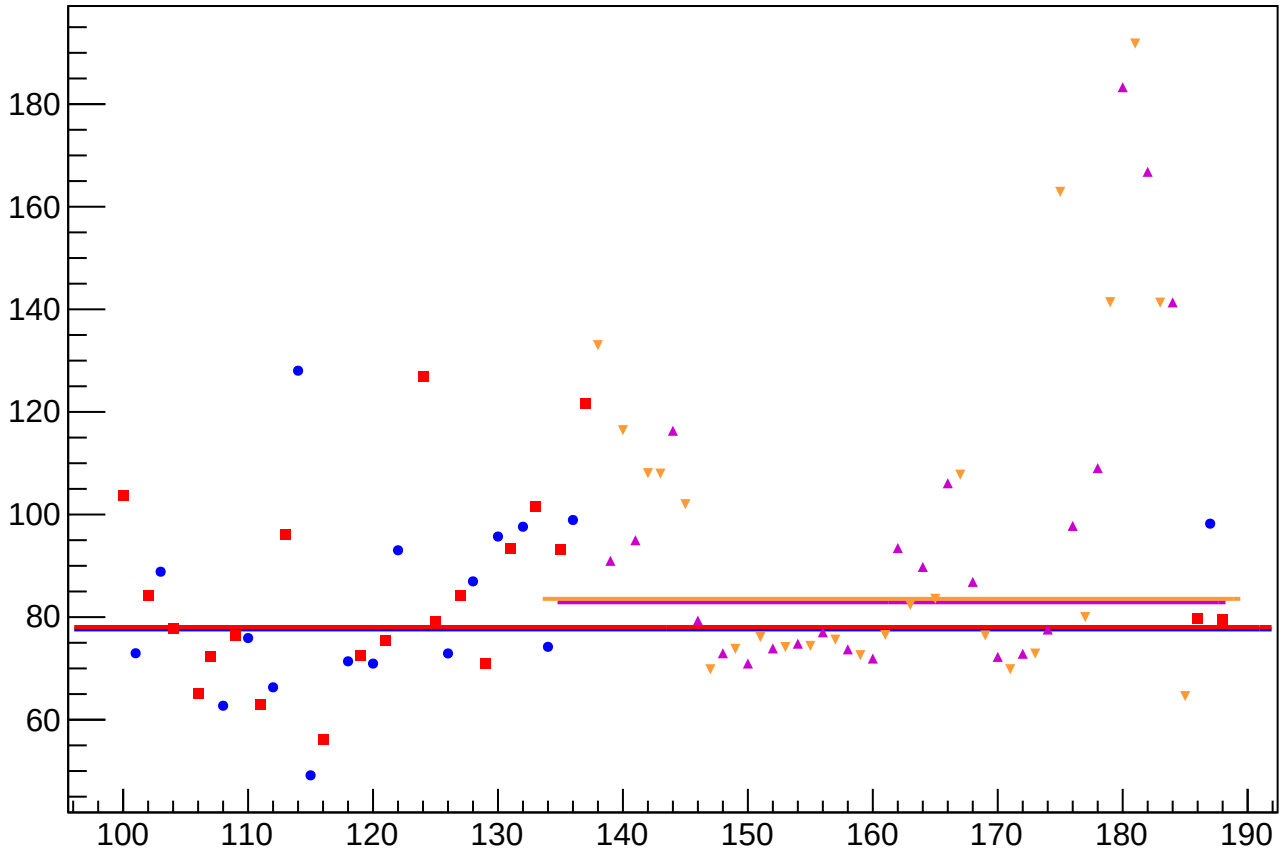
Right Out: 0.000+/-0.027 χ^2/NDF: 30.9/20

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.017 χ^2/NDF: 45.7/41

All: 0.009+/-0.012 χ^2/NDF: 109.6/85

- sign 0.017+/-0.016 χ^2/NDF: 63.5/43



Right In: 77.602+/-0.021 χ^2/NDF: 435216.9/16

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 78.074+/-0.019 χ^2/NDF: 397631.6/20

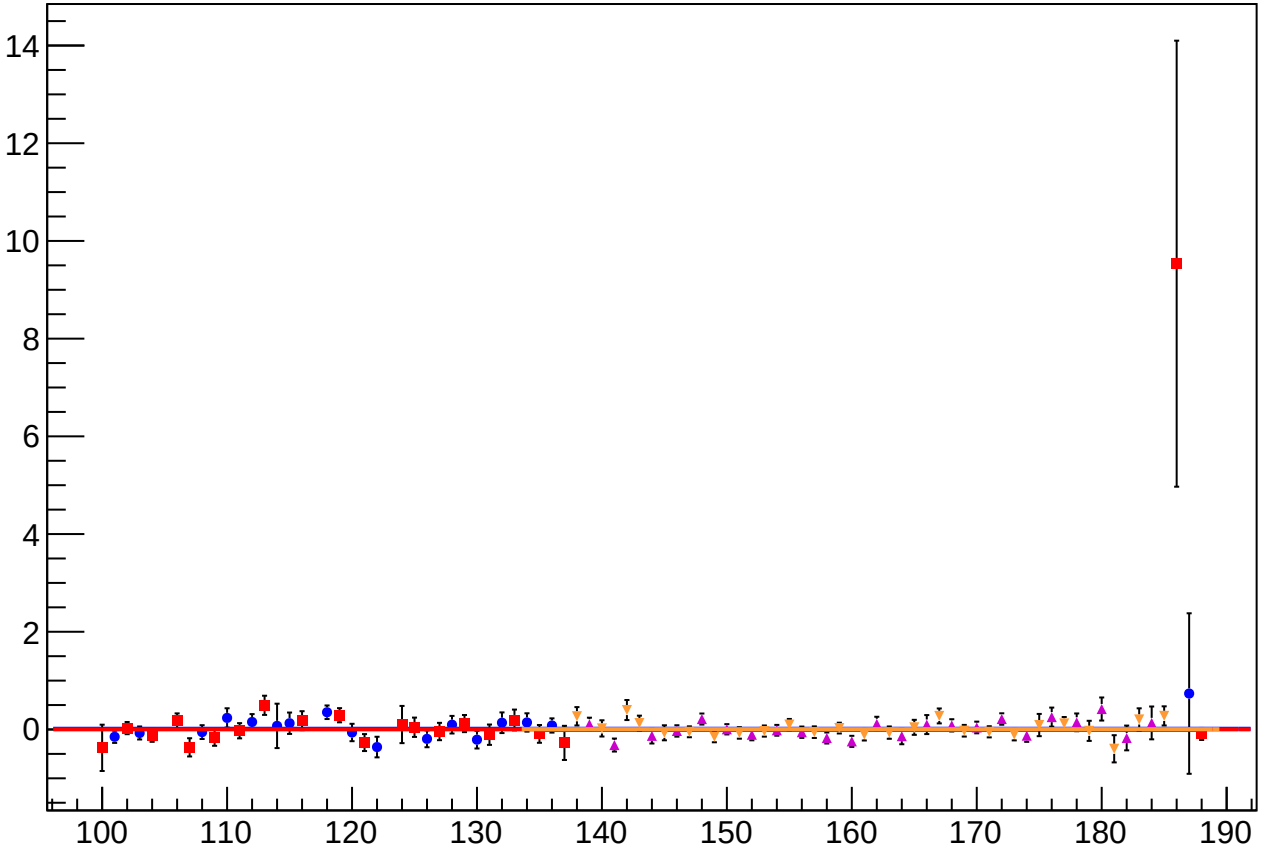
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 81.674+/-0.012 χ^2/NDF: 2662822.1/41

All: 81.410+/-0.008 χ^2/NDF: 4674012.1/85

- sign 81.156+/-0.012 χ^2/NDF: 2010215.1/43

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.015+/-0.042 χ^2/NDF: 18.4/16

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.002+/-0.039 χ^2/NDF: 28.8/20

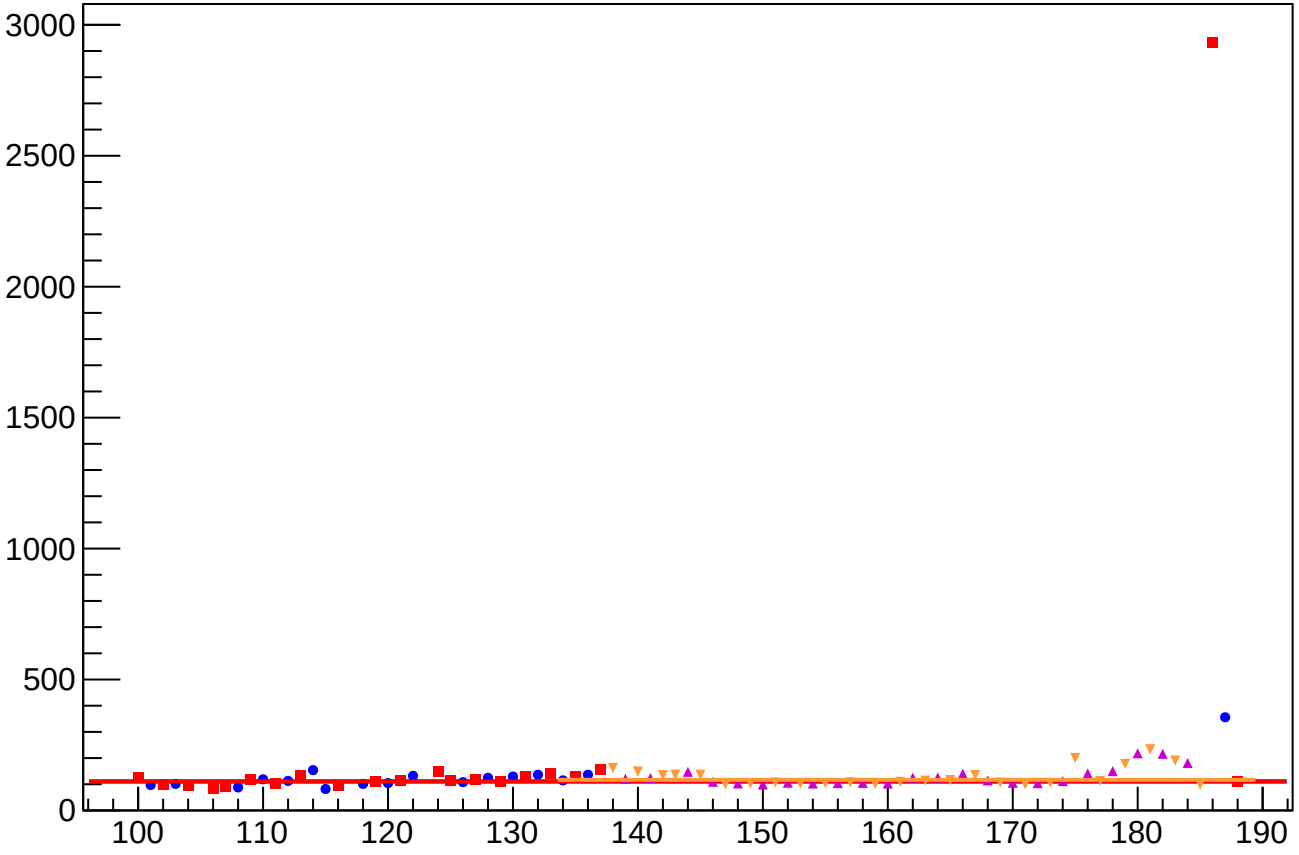
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.009+/-0.023 χ^2/NDF: 39.7/41

All: 0.001+/-0.016 χ^2/NDF: 100.0/85

- sign -0.006+/-0.023 χ^2/NDF: 60.1/43

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.877+/-0.030 χ^2/NDF: 344447.6/16

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 110.573+/-0.028 χ^2/NDF: 1092133.3/20

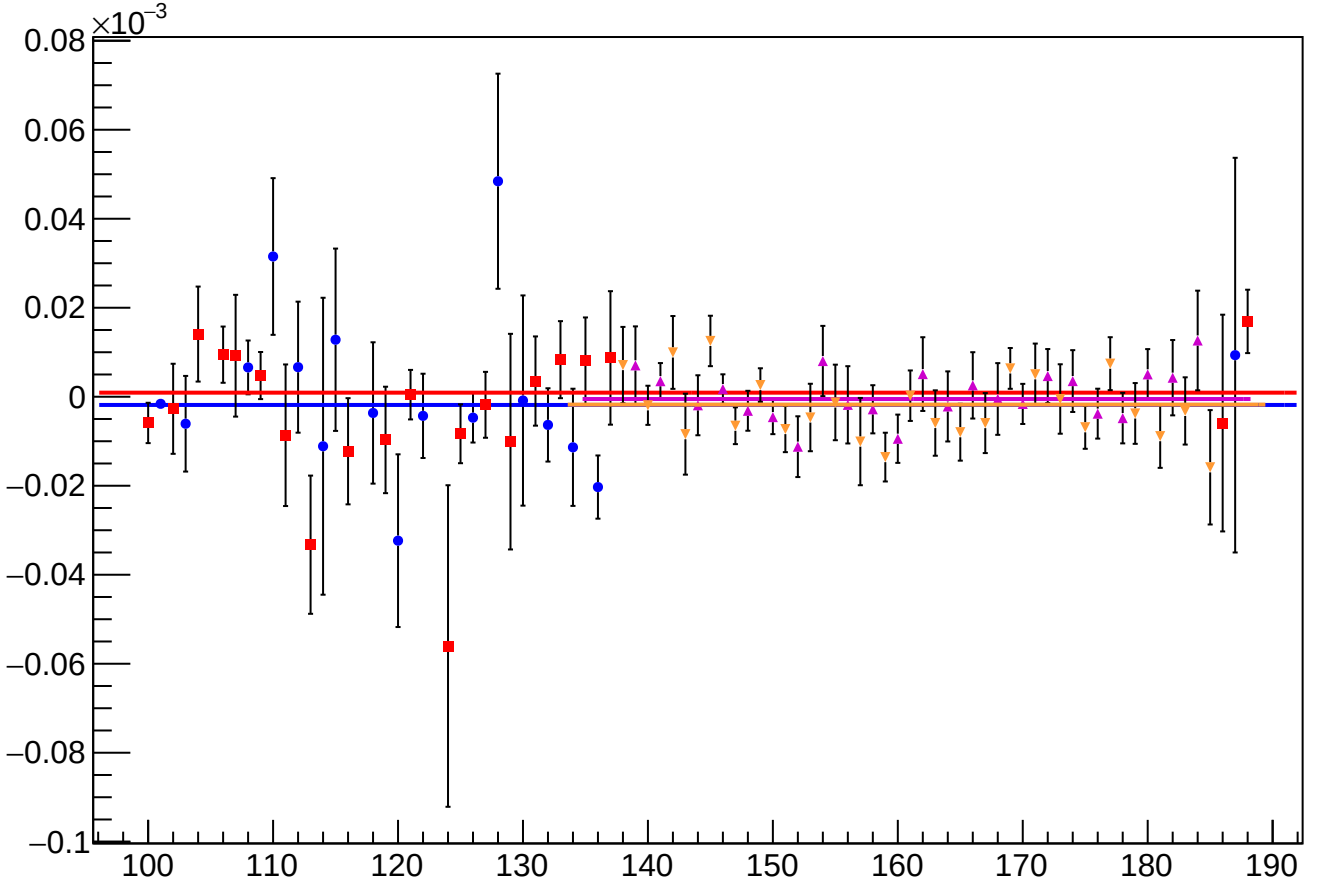
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 115.070+/-0.016 χ^2/NDF: 1969579.2/41

All: 114.555+/-0.012 χ^2/NDF: 4319047.6/85

- sign 114.056+/-0.016 χ^2/NDF: 2347530.0/43

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/20

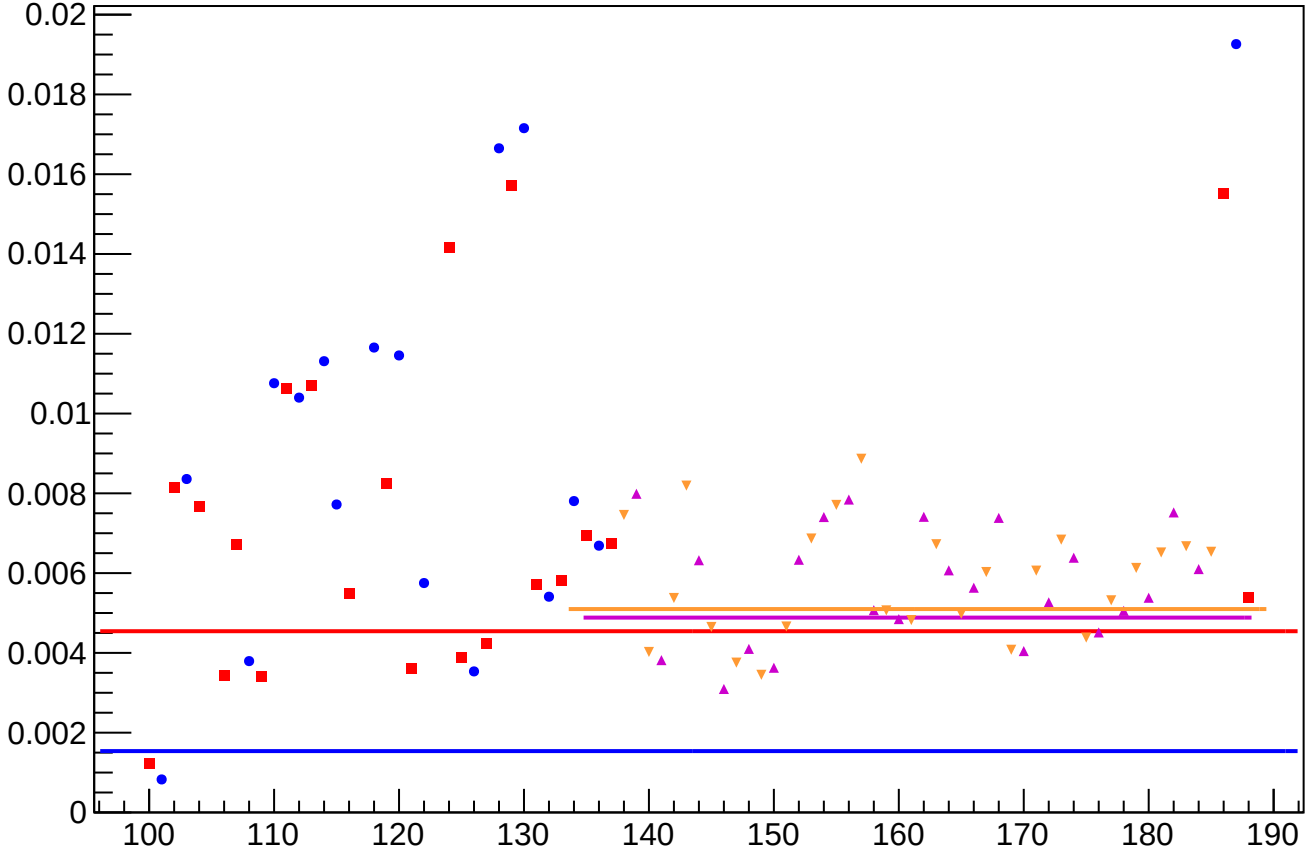
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.5/41

All: -0.000+/-0.000 χ^2/NDF: 95.7/85

- sign -0.000+/-0.000 χ^2/NDF: 41.4/43

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9542562.9/16

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

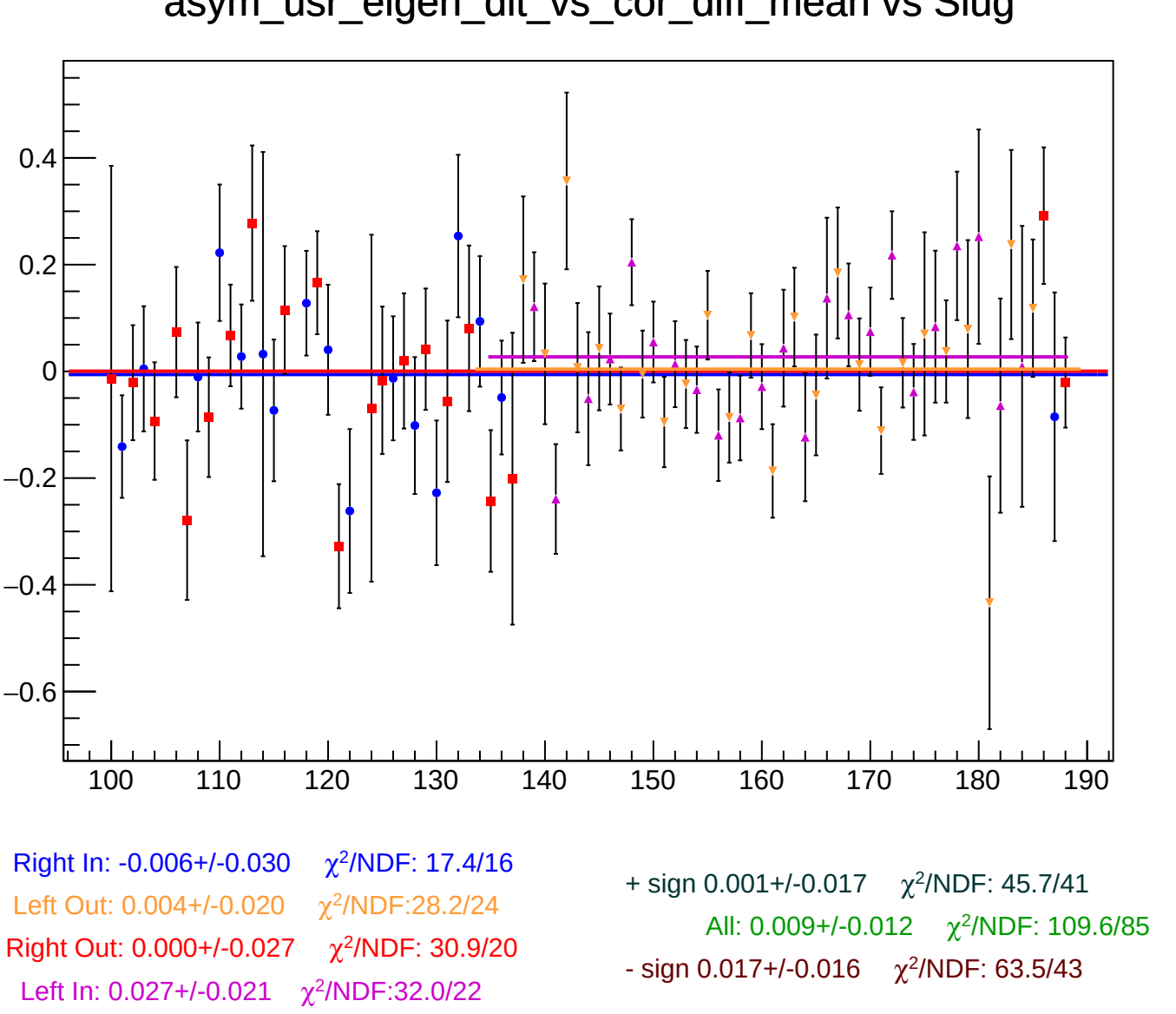
Right Out: 0.005+/-0.000 χ^2/NDF: 3830522.7/20

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

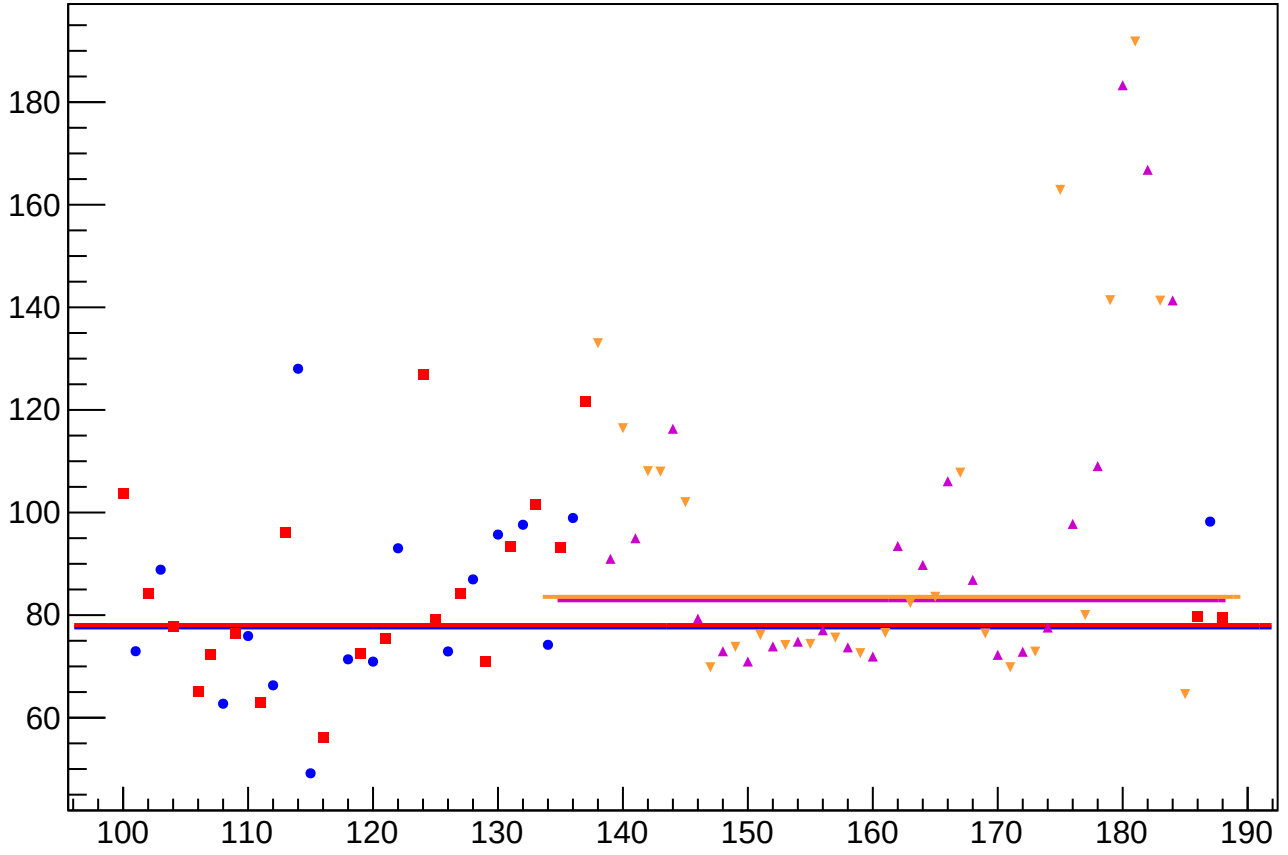
+ sign 0.003+/-0.000 χ^2/NDF: 22424509.1/41

All: 0.004+/-0.000 χ^2/NDF: 33354616.6/85

- sign 0.005+/-0.000 χ^2/NDF: 6603812.0/43


asym_usr_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: -0.006+/-0.030 χ²/NDF: 17.4/16
Left Out: 0.004+/-0.020 χ²/NDF:28.2/24
Right Out: 0.000+/-0.027 χ²/NDF: 30.9/20
Left In: 0.027+/-0.021 χ²/NDF:32.0/22
+ sign 0.001+/-0.017 χ²/NDF: 45.7/41
All: 0.009+/-0.012 χ²/NDF: 109.6/85
- sign 0.017+/-0.016 χ²/NDF: 63.5/43

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.600+/-0.021 χ^2/NDF: 435219.0/16

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

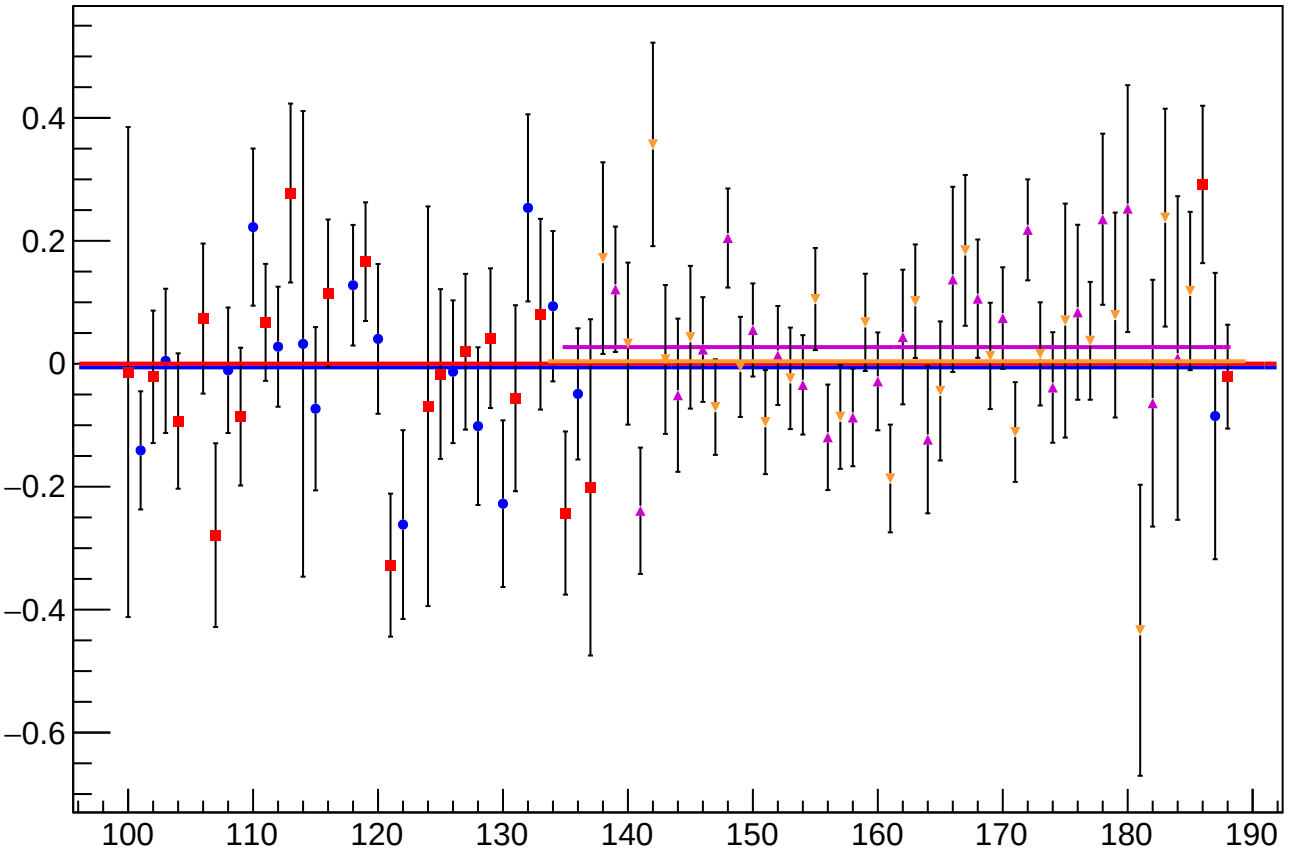
Right Out: 78.072+/-0.019 χ^2/NDF: 397630.2/20

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 81.674+/-0.012 χ^2/NDF: 2662854.0/41

All: 81.410+/-0.008 χ^2/NDF: 4674052.7/85

- sign 81.156+/-0.012 χ^2/NDF: 2010223.1/43



Right In: -0.006+/-0.030 χ^2/NDF: 17.4/16

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

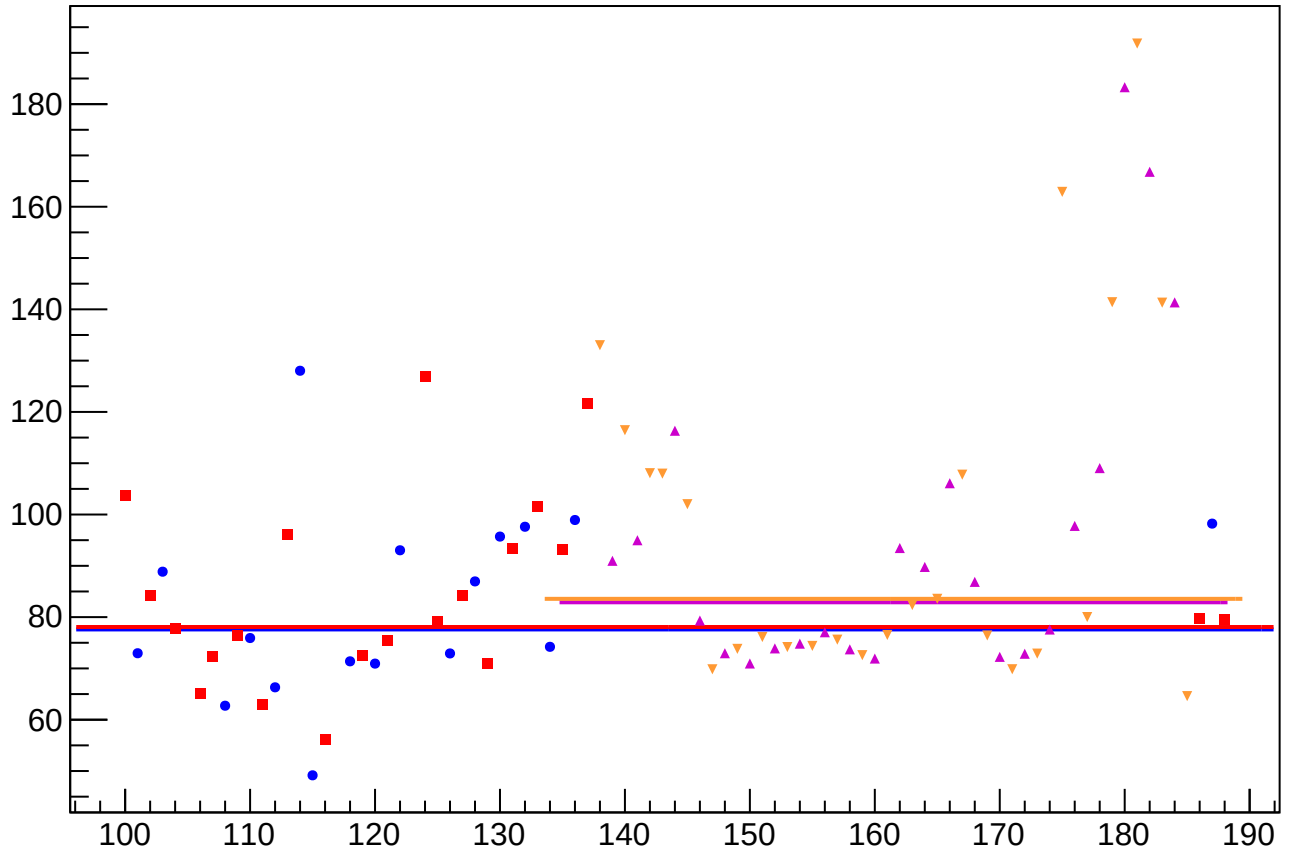
Right Out: 0.000+/-0.027 χ^2/NDF: 30.9/20

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.017 χ^2/NDF: 45.7/41

All: 0.009+/-0.012 χ^2/NDF: 109.6/85

- sign 0.017+/-0.016 χ^2/NDF: 63.5/43



Right In: 77.600+/-0.021 χ^2/NDF: 435219.0/16

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 78.072+/-0.019 χ^2/NDF: 397630.2/20

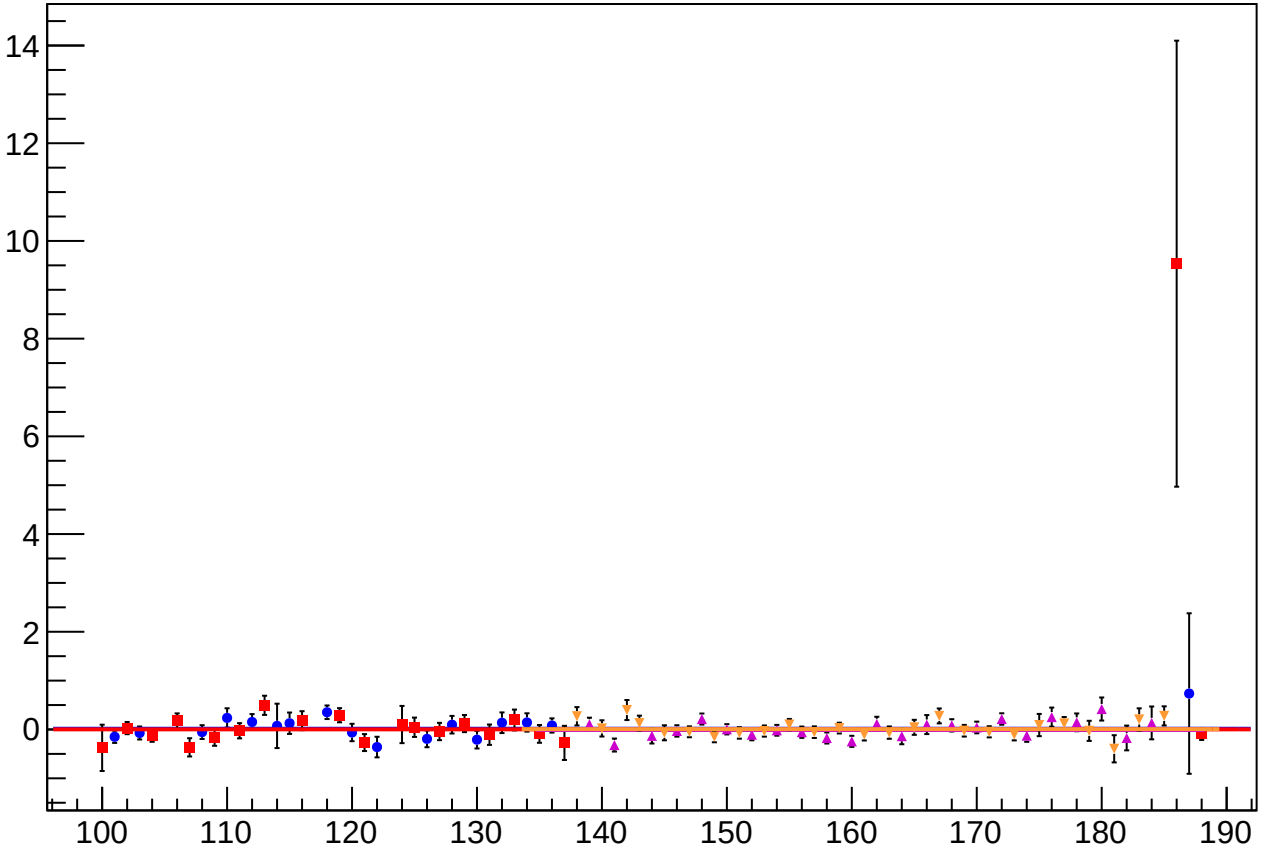
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 81.674+/-0.012 χ^2/NDF: 2662854.0/41

All: 81.410+/-0.008 χ^2/NDF: 4674052.7/85

- sign 81.156+/-0.012 χ^2/NDF: 2010223.1/43

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.015+/-0.042 χ^2/NDF: 18.4/16

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

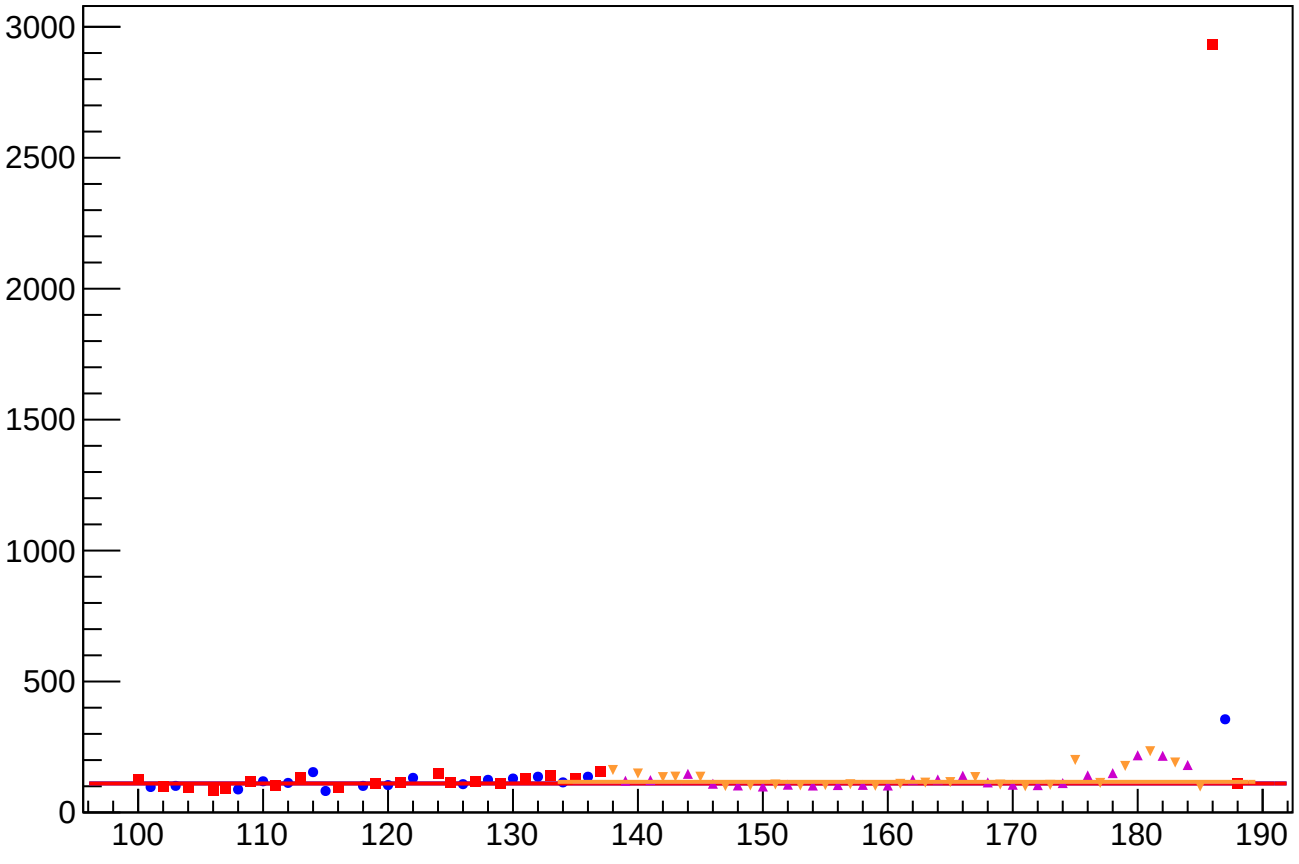
Right Out: 0.002+/-0.039 χ^2/NDF: 28.8/20

Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.009+/-0.023 χ^2/NDF: 39.7/41

All: 0.001+/-0.016 χ^2/NDF: 100.0/85

- sign -0.006+/-0.023 χ^2/NDF: 60.1/43



Right In: 110.876+/-0.030 χ^2/NDF: 344422.5/16

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

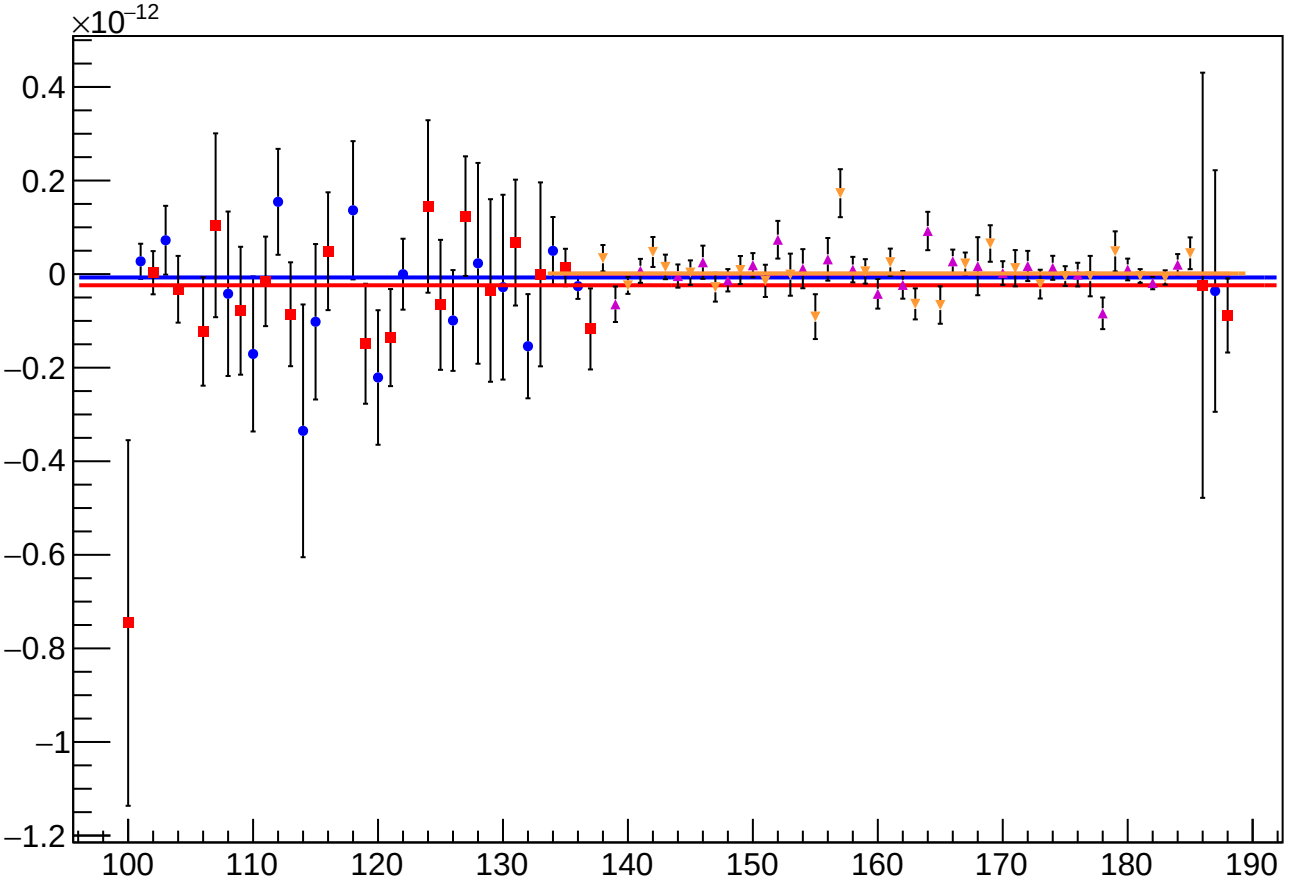
Right Out: 110.572+/-0.028 χ^2/NDF: 1092104.6/20

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 115.070+/-0.016 χ^2/NDF: 1969561.1/41

All: 114.555+/-0.012 χ^2/NDF: 4318999.9/85

- sign 114.056+/-0.016 χ^2/NDF: 2347500.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/20

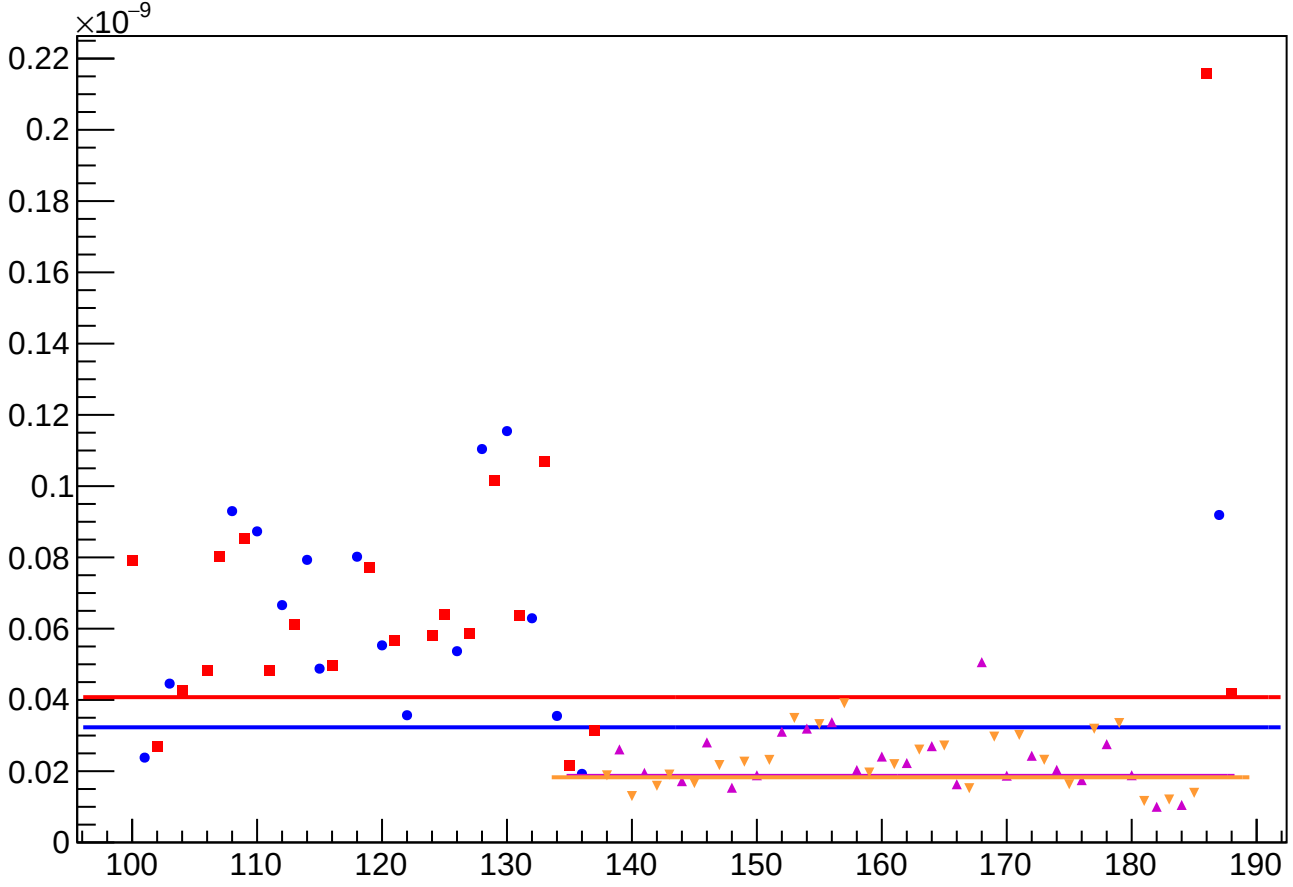
Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.5/41

All: -0.000+/-0.000 χ^2/NDF: 91.9/85

- sign -0.000+/-0.000 χ^2/NDF: 41.4/43

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2566373.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2164061.8/20

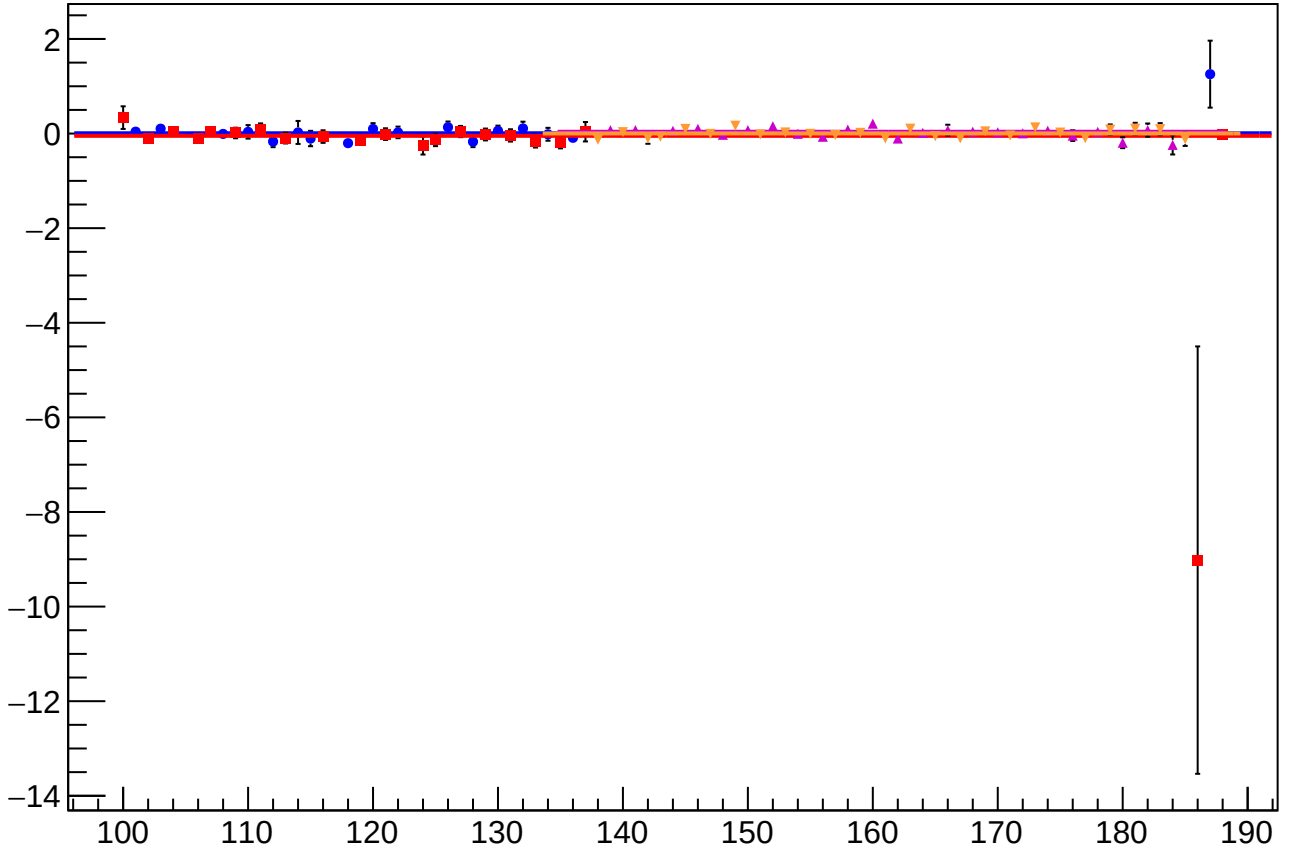
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6723337.6/41

All: 0.000+/-0.000 χ^2/NDF: 13999544.6/85

- sign 0.000+/-0.000 χ^2/NDF: 7254238.2/43

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.026 χ^2/NDF: 19.7/16

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.048+/-0.023 χ^2/NDF: 19.1/20

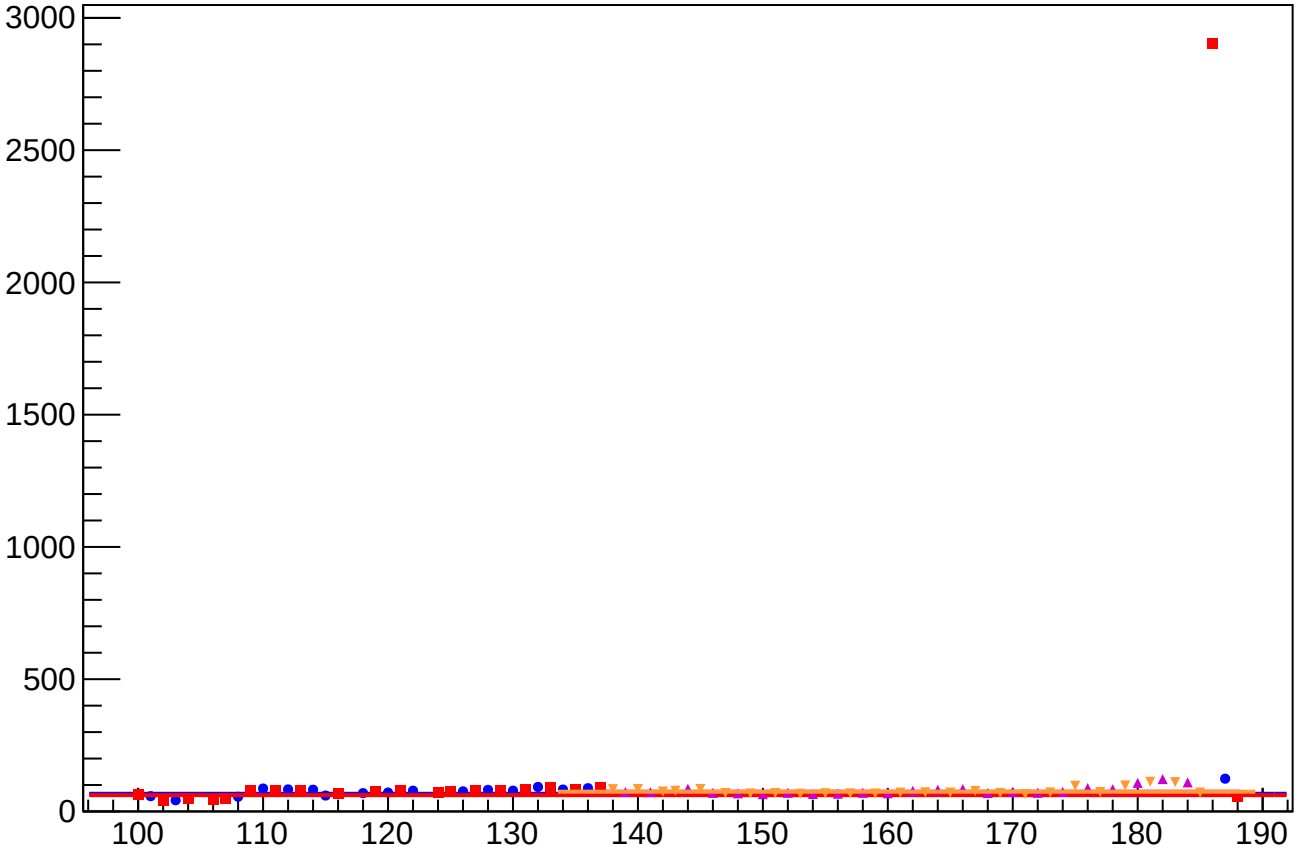
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign 0.004+/-0.014 χ^2/NDF: 41.3/41

All: 0.005+/-0.010 χ^2/NDF: 90.9/85

- sign 0.005+/-0.014 χ^2/NDF: 49.6/43

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.809+/-0.018 χ^2/NDF: 829771.7/16

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 61.690+/-0.016 χ^2/NDF: 1923924.8/20

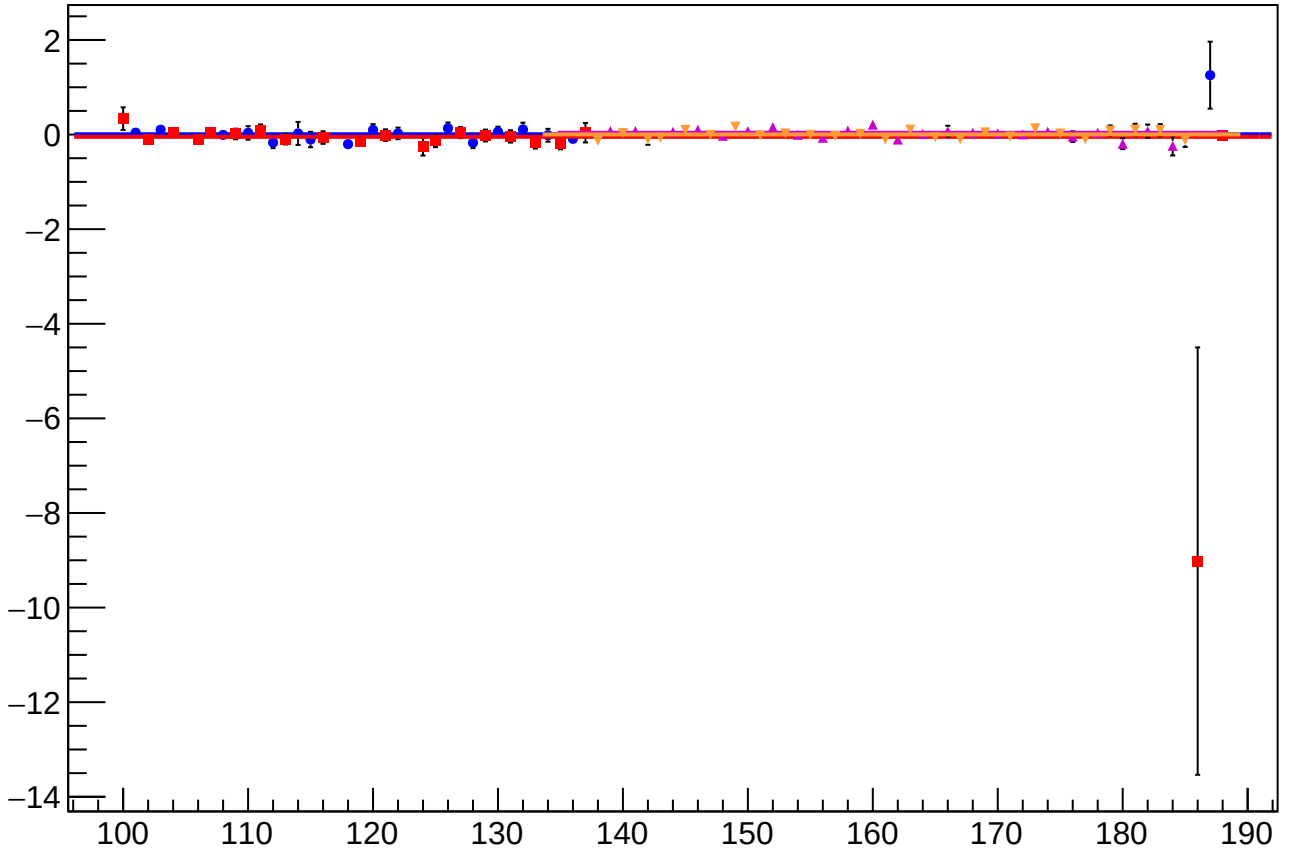
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 72.272+/-0.010 χ^2/NDF: 1703666.4/41

All: 70.914+/-0.007 χ^2/NDF: 4776839.6/85

- sign 69.636+/-0.010 χ^2/NDF: 3038899.6/43

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.026 χ^2/NDF: 19.7/16

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.048+/-0.023 χ^2/NDF: 19.1/20

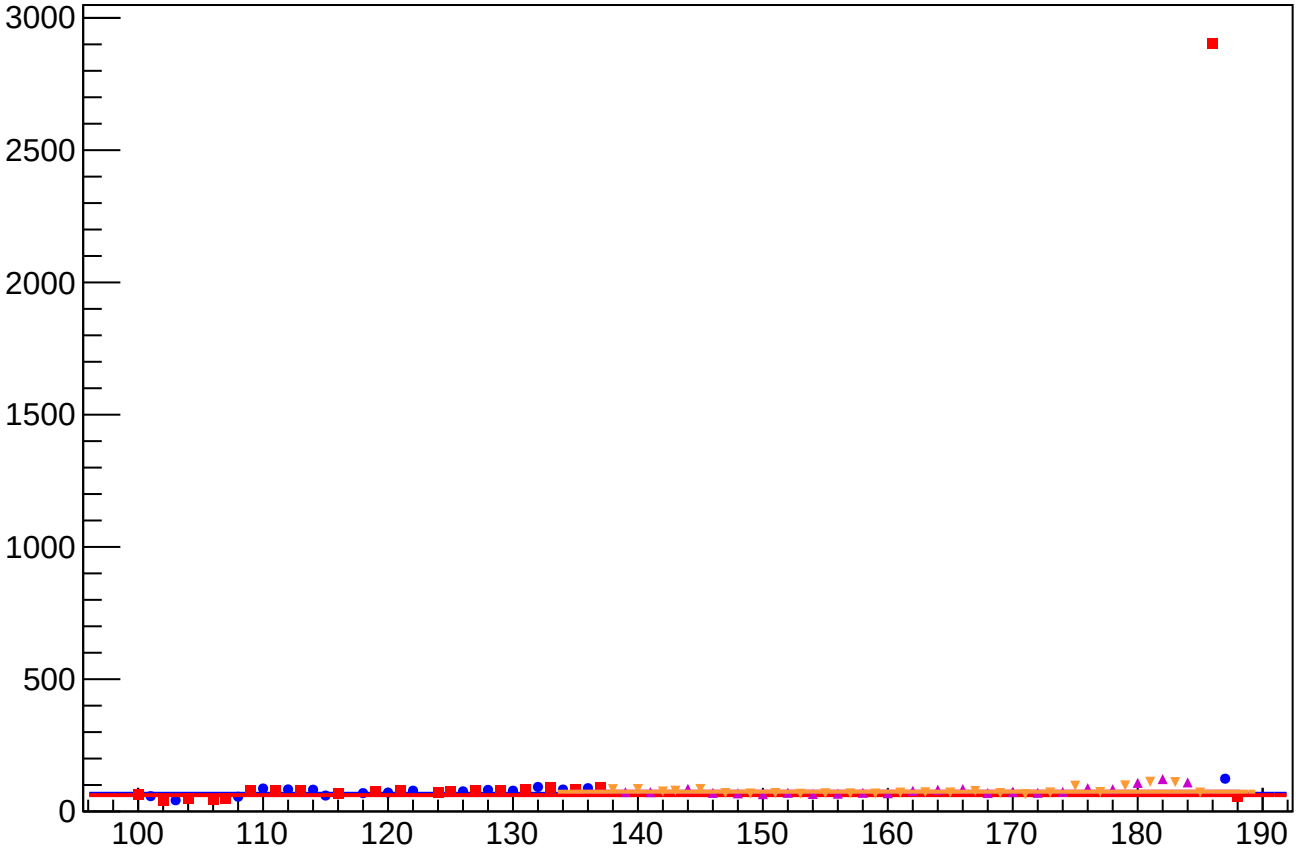
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign 0.004+/-0.014 χ^2/NDF: 41.3/41

All: 0.005+/-0.010 χ^2/NDF: 90.9/85

- sign 0.005+/-0.014 χ^2/NDF: 49.6/43

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 66.809+/-0.018 χ^2/NDF: 829771.7/16

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 61.690+/-0.016 χ^2/NDF: 1923924.8/20

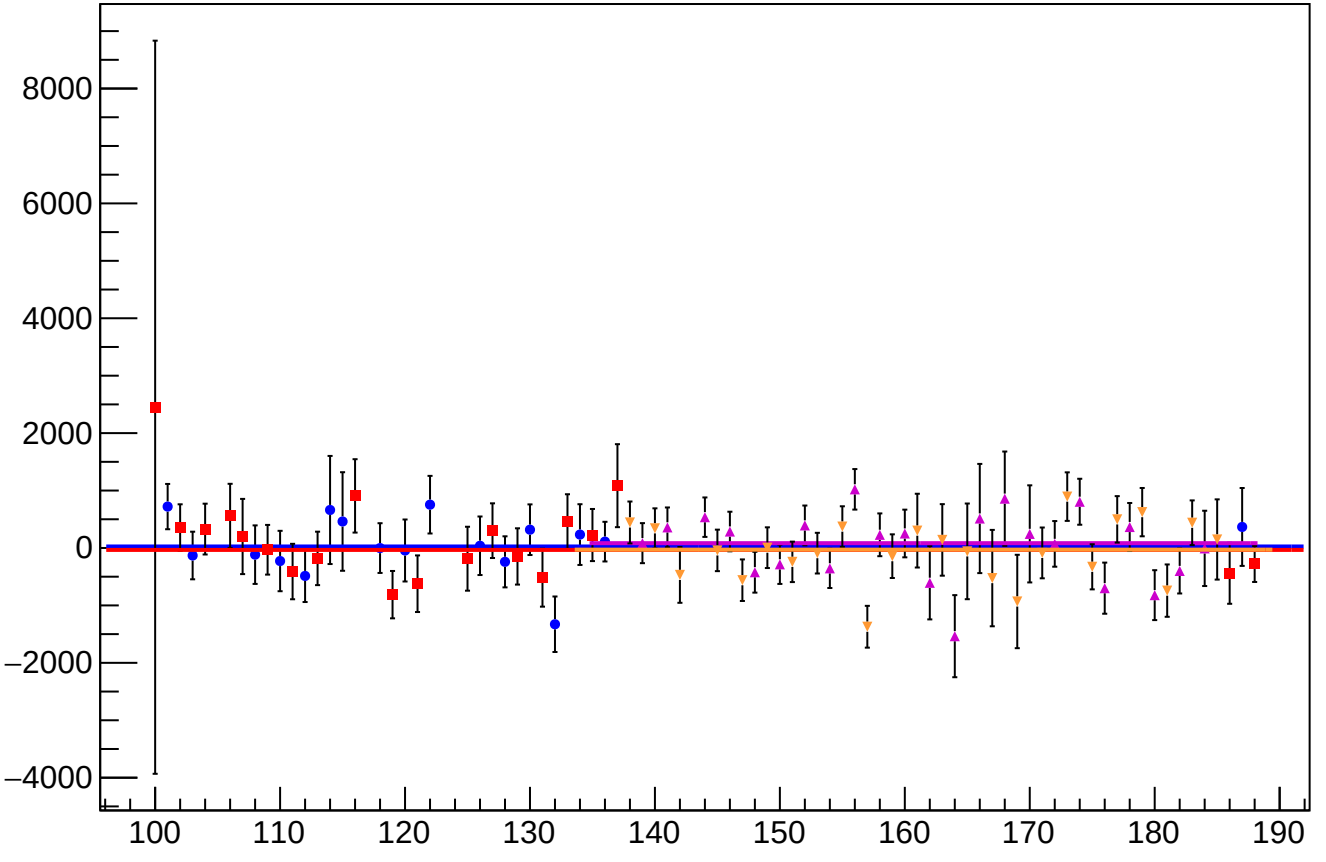
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 72.272+/-0.010 χ^2/NDF: 1703666.4/41

All: 70.914+/-0.007 χ^2/NDF: 4776839.6/85

- sign 69.636+/-0.010 χ^2/NDF: 3038899.6/43

asym_dsl_mean vs Slug



Right In: 26.064+/-117.621 χ^2/NDF: 16.8/16

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -33.818+/-109.039 χ^2/NDF: 17.4/19

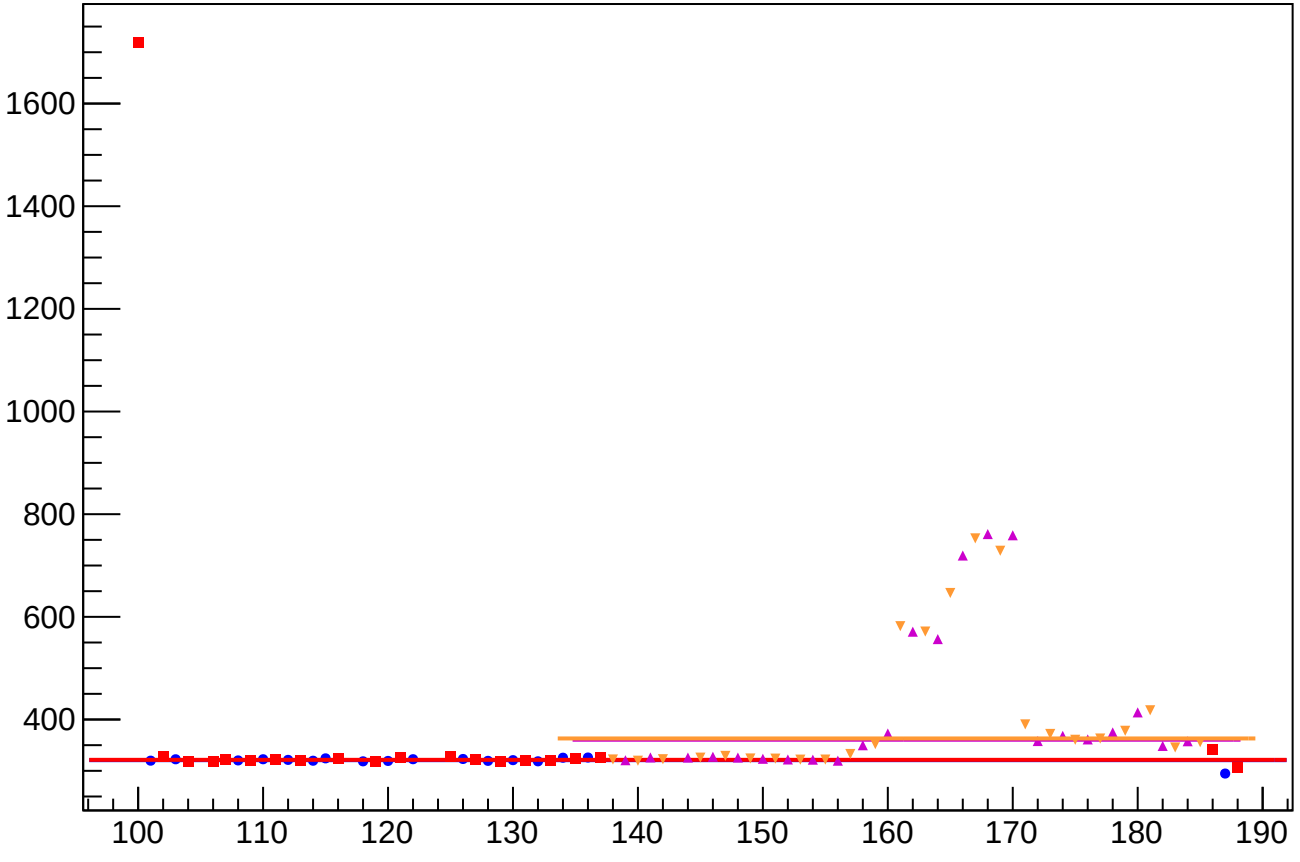
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -9.889+/-69.700 χ^2/NDF: 53.5/40

All: 14.907+/-48.583 χ^2/NDF: 107.7/83

- sign 38.337+/-67.755 χ^2/NDF: 53.9/42

asym_dsl_rms vs Slug



Right In: 320.795+/-0.083 χ^2/NDF: 3874.6/16

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

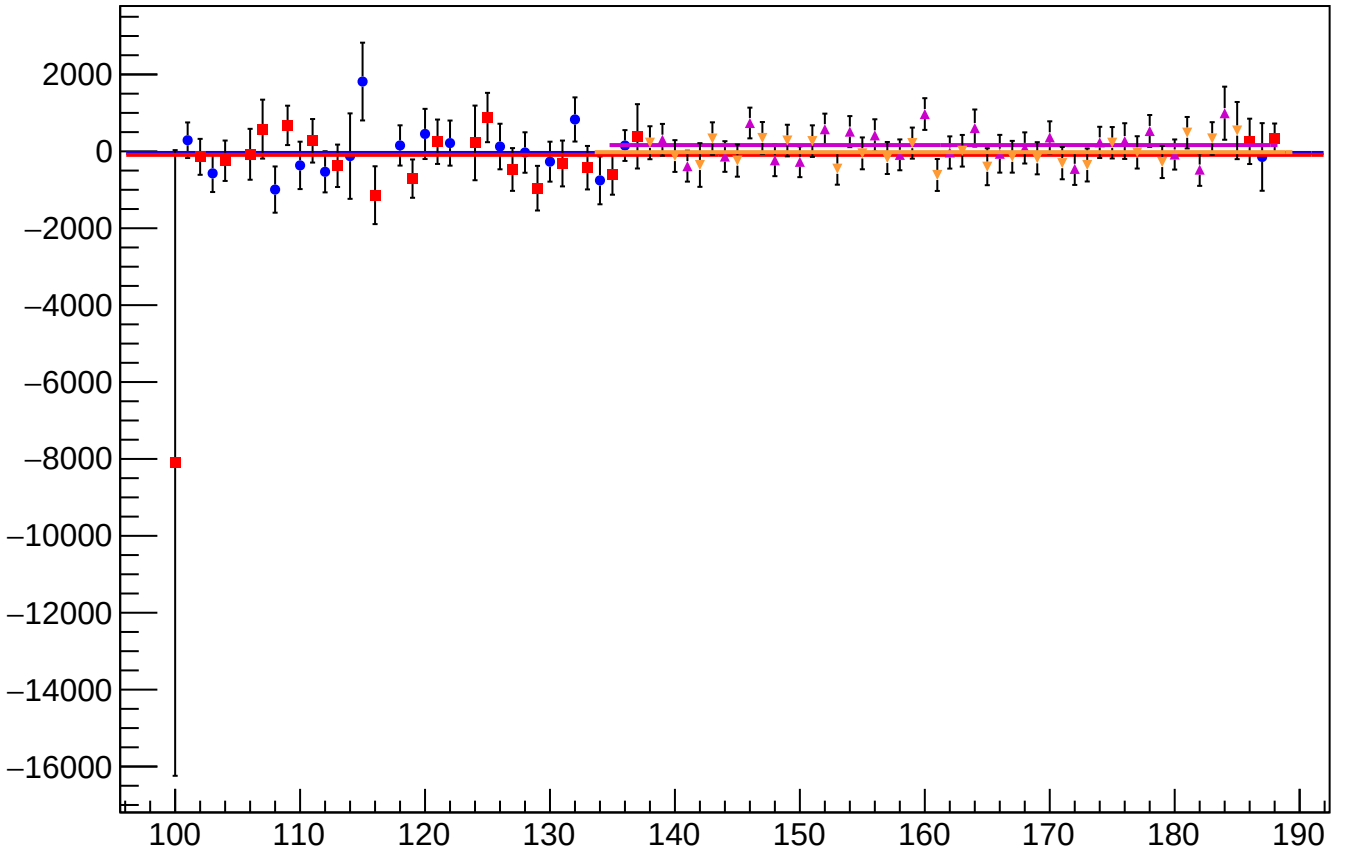
Right Out: 321.414+/-0.077 χ^2/NDF: 104151.8/19

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 348.231+/-0.049 χ^2/NDF: 1967154.1/40

All: 346.807+/-0.034 χ^2/NDF: 4049069.4/83

- sign 345.461+/-0.048 χ^2/NDF: 2080291.4/42



Right In: -41.585+/-138.952 χ^2/NDF: 13.7/16

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -91.293+/-127.801 χ^2/NDF: 16.9/20

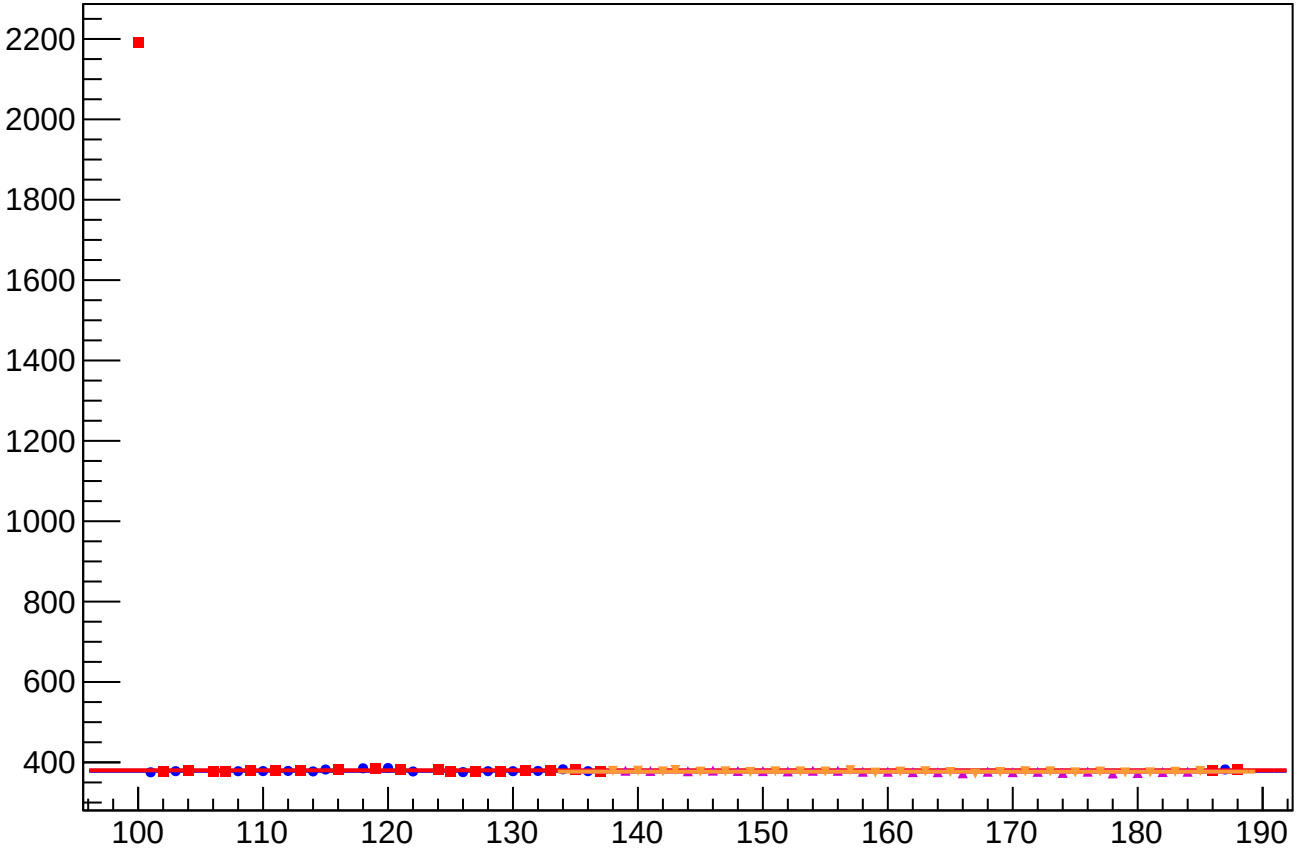
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -26.709+/-72.893 χ^2/NDF: 26.4/41

All: 27.564+/-51.395 χ^2/NDF: 68.8/85

- sign 81.216+/-72.475 χ^2/NDF: 41.4/43

asym_dsr_rms vs Slug



Right In: 378.995+/-0.098 χ^2/NDF: 880.2/16

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 380.177+/-0.090 χ^2/NDF: 99731.9/20

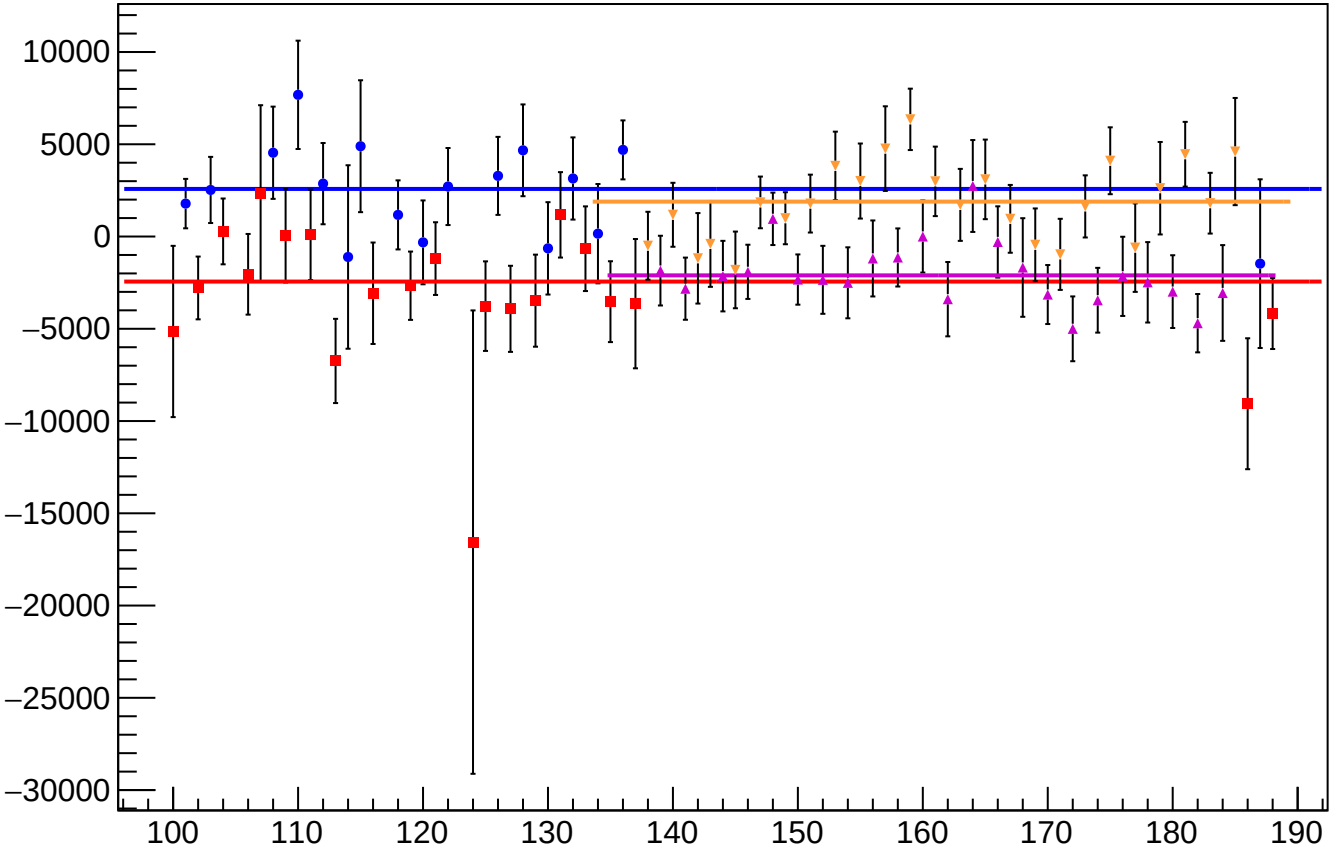
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 377.481+/-0.052 χ^2/NDF: 2266.0/41

All: 377.700+/-0.036 χ^2/NDF: 104030.1/85

- sign 377.917+/-0.051 χ^2/NDF: 101728.0/43

asym_us_agg_avg_mean vs Slug



Right In: 2579.295+/-534.346 χ^2/NDF: 13.1/16

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2441.463+/-520.460 χ^2/NDF: 19.6/20

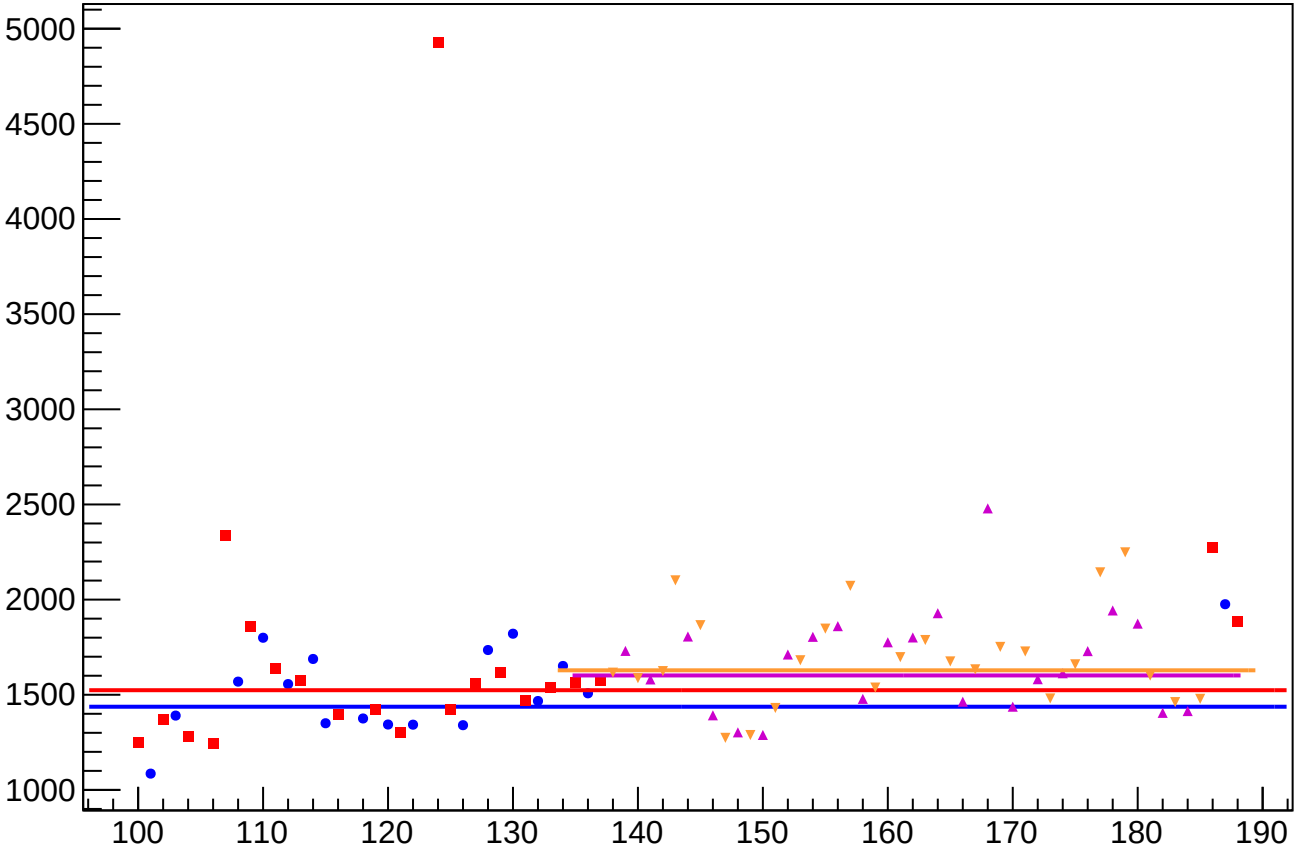
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2118.500+/-307.112 χ^2/NDF: 42.5/41

All: -56.712+/-216.910 χ^2/NDF: 181.1/85

- sign -2221.884+/-306.402 χ^2/NDF: 38.5/43

asym_us_agg_avg_rms vs Slug



Right In: 1437.116+/-0.378 χ^2/NDF: 321544.4/16

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1523.936+/-0.368 χ^2/NDF: 543240.4/20

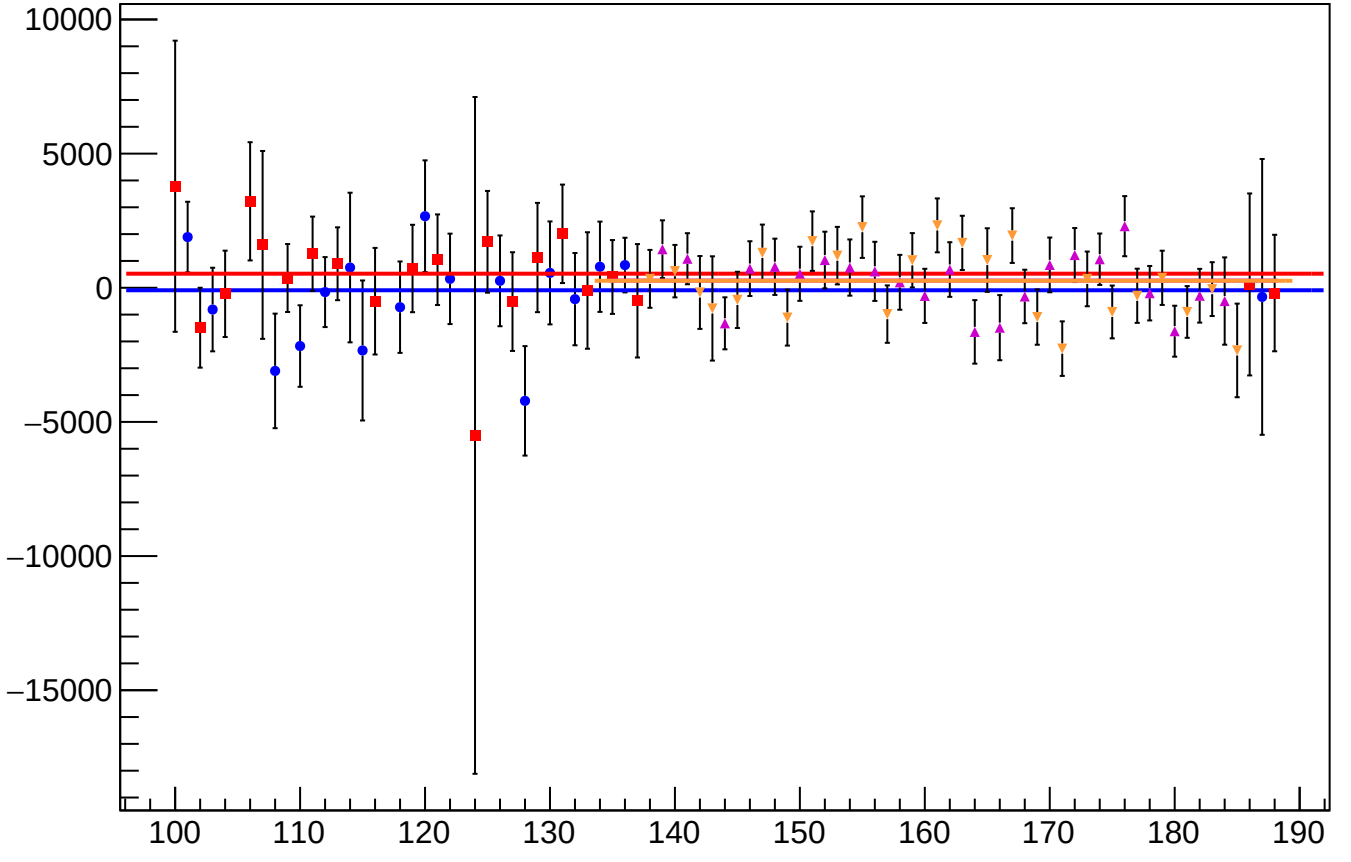
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1565.266+/-0.217 χ^2/NDF: 1272414.4/41

All: 1569.951+/-0.153 χ^2/NDF: 2639328.1/85

- sign 1574.615+/-0.217 χ^2/NDF: 1365984.8/43

asym_us_agg_dd_mean vs Slug



Right In: -92.877+/-408.659 χ^2/NDF: 14.5/16

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 525.052+/-401.316 χ^2/NDF: 6.9/20

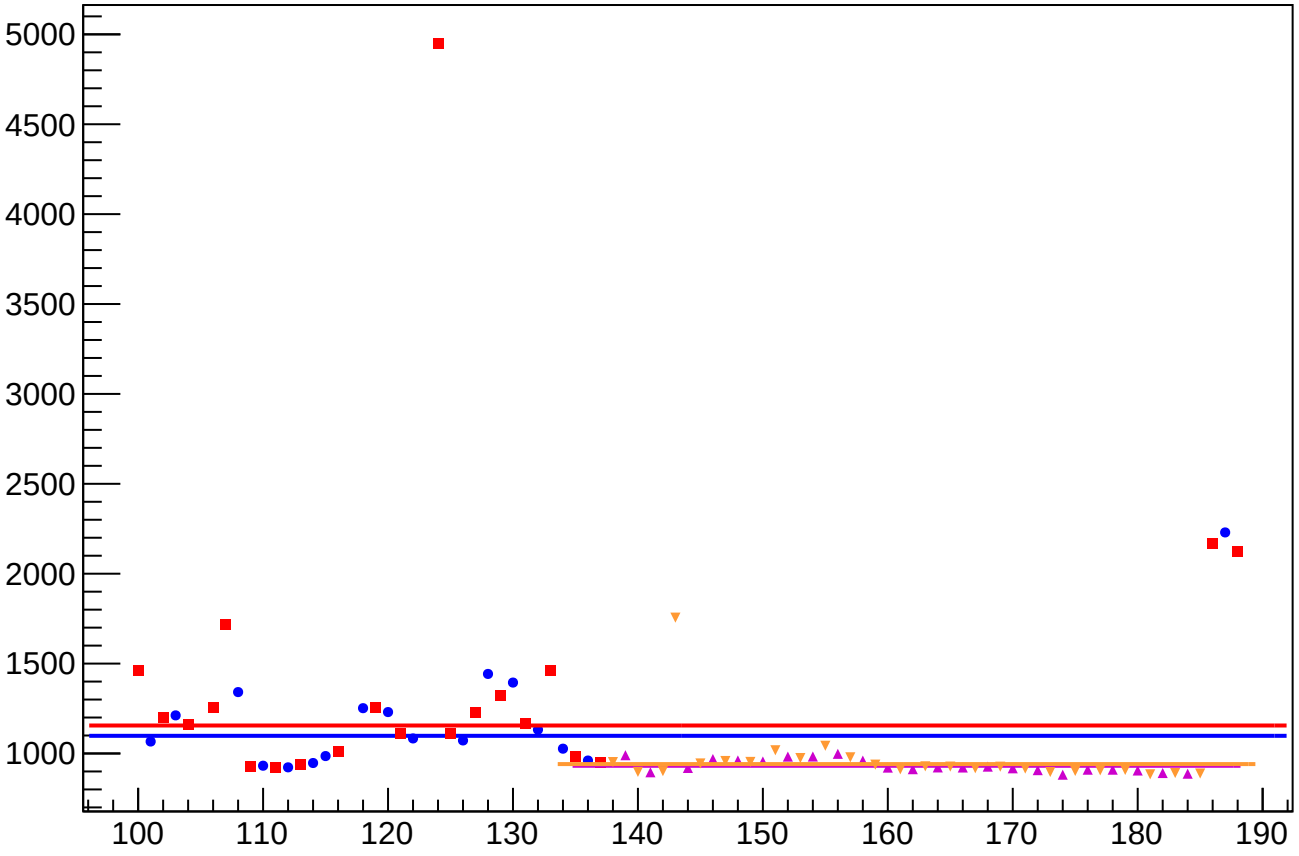
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 185.388+/-190.247 χ^2/NDF: 49.0/41

All: 255.145+/-134.912 χ^2/NDF: 77.9/85

- sign 325.711+/-191.348 χ^2/NDF: 28.6/43

asym_us_agg_dd_rms vs Slug



Right In: 1098.237+/-0.289 χ^2/NDF: 374796.1/16

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1155.633+/-0.284 χ^2/NDF: 1117680.0/20

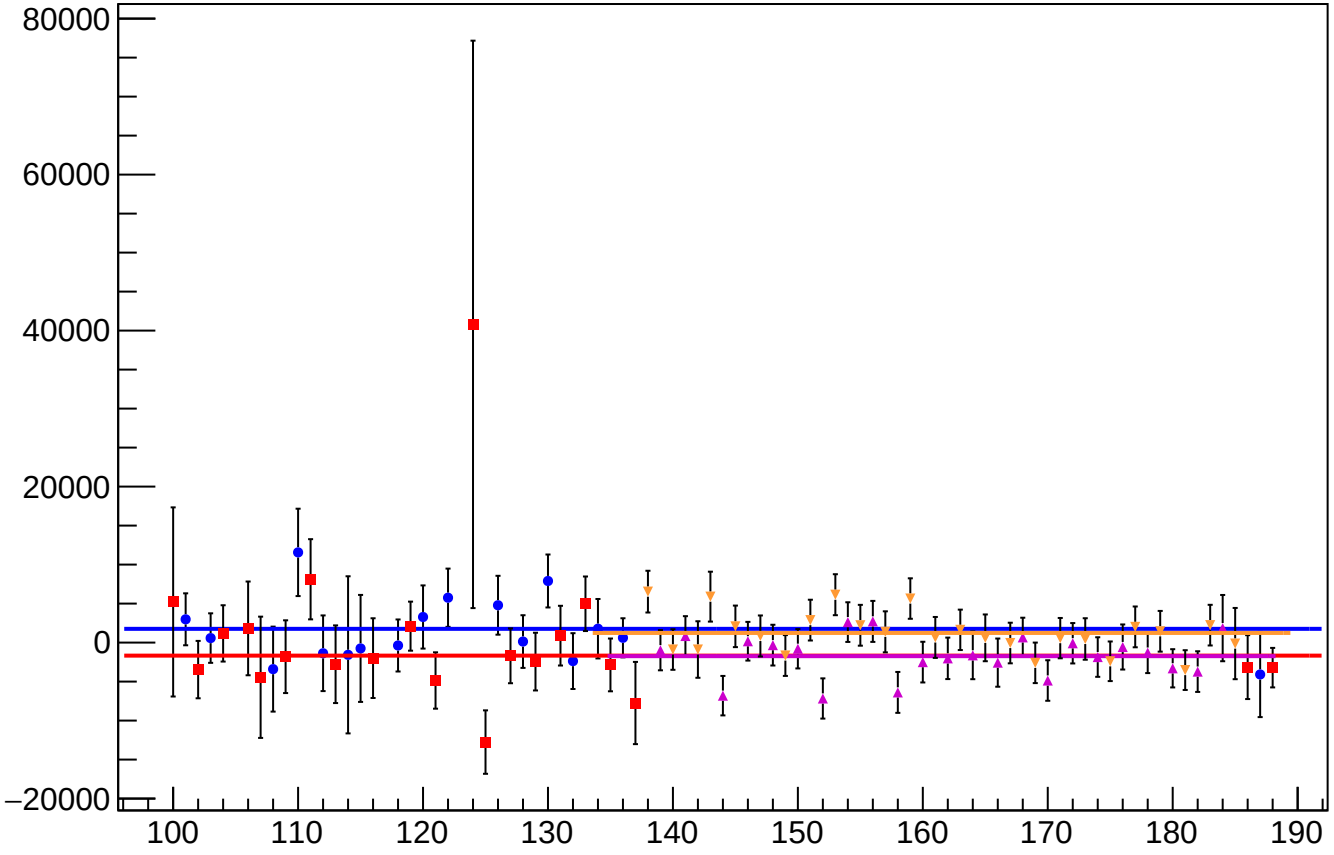
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 975.088+/-0.135 χ^2/NDF: 1024381.6/41

All: 978.774+/-0.095 χ^2/NDF: 2674230.3/85

- sign 982.502+/-0.135 χ^2/NDF: 1648338.8/43

reg_asym_atl1_mean vs Slug



Right In: 1762.150+/-938.403 χ^2/NDF: 13.4/16

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1671.911+/-895.889 χ^2/NDF: 22.4/20

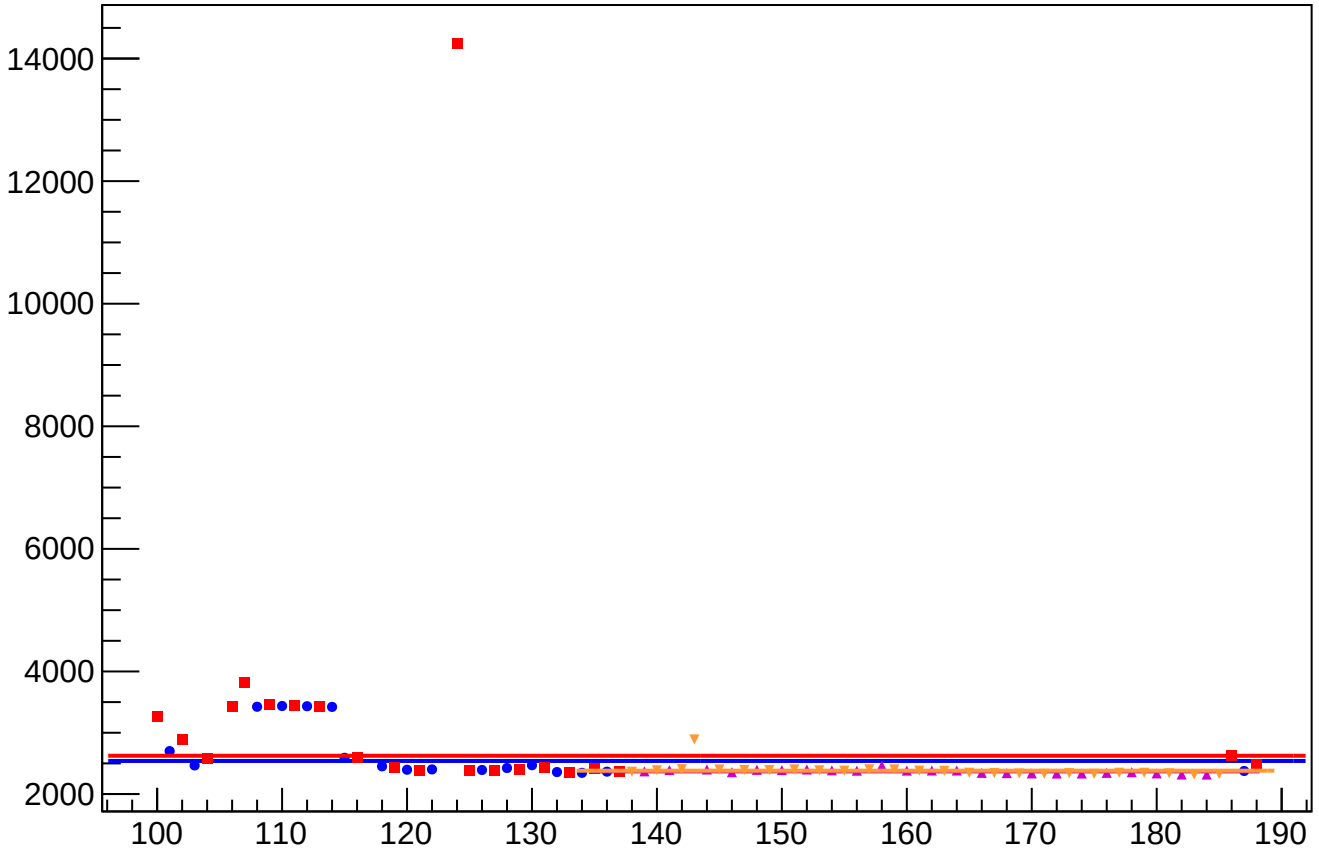
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1366.402+/-468.878 χ^2/NDF: 37.5/41

All: -171.943+/-332.199 χ^2/NDF: 105.9/85

- sign -1722.455+/-470.728 χ^2/NDF: 46.8/43

reg_asym_atl1_rms vs Slug



Right In: 2539.464+/-0.664 χ^2/NDF: 227449.2/16

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2624.592+/-0.633 χ^2/NDF: 544257.0/20

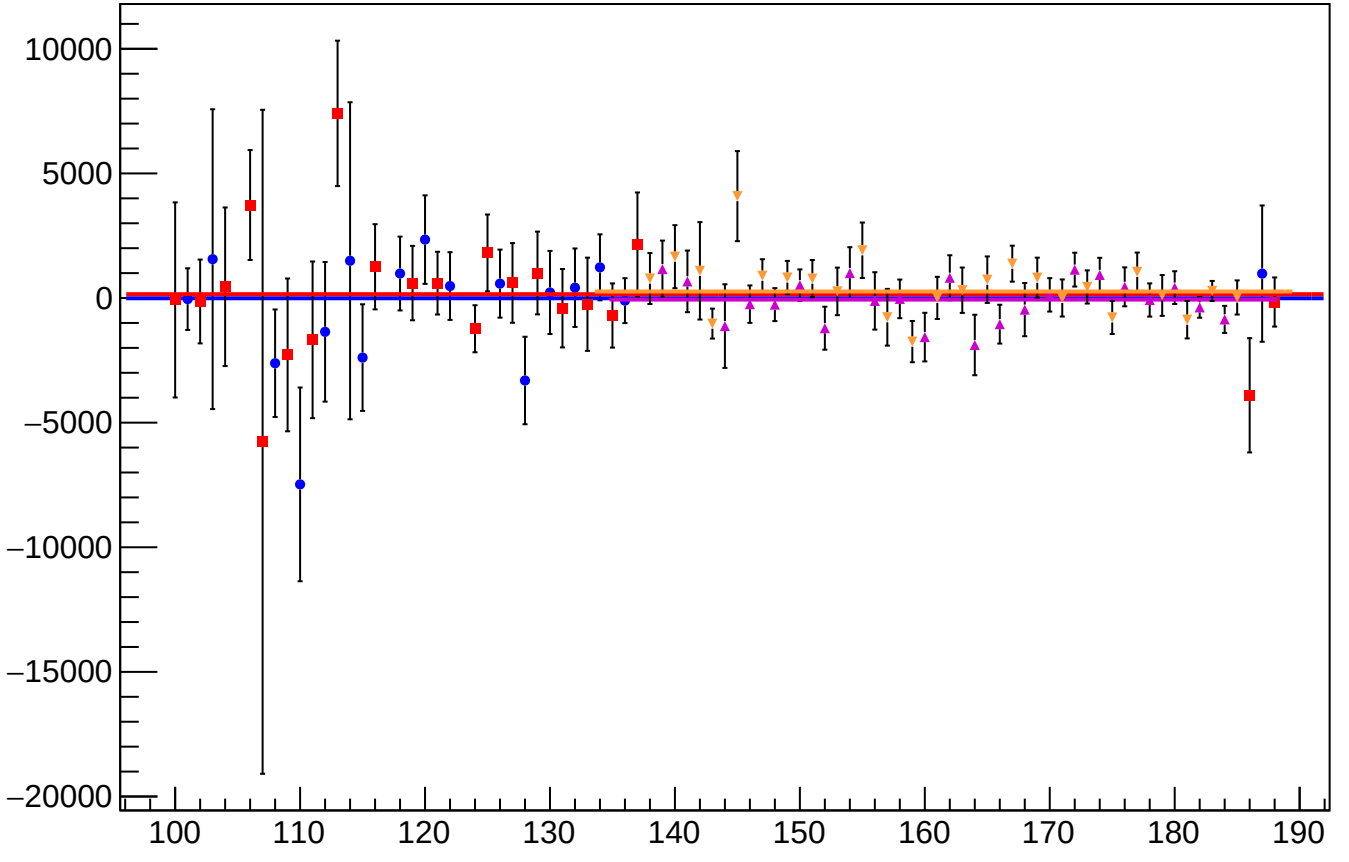
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2420.738+/-0.332 χ^2/NDF: 327738.2/41

All: 2430.252+/-0.235 χ^2/NDF: 998172.5/85

- sign 2439.842+/-0.333 χ^2/NDF: 668780.8/43

asym_atl1_reg_correction_mean vs Slug



Right In: -9.427+/-401.335 χ^2/NDF: 13.9/16

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 154.646+/-364.817 χ^2/NDF: 19.1/20

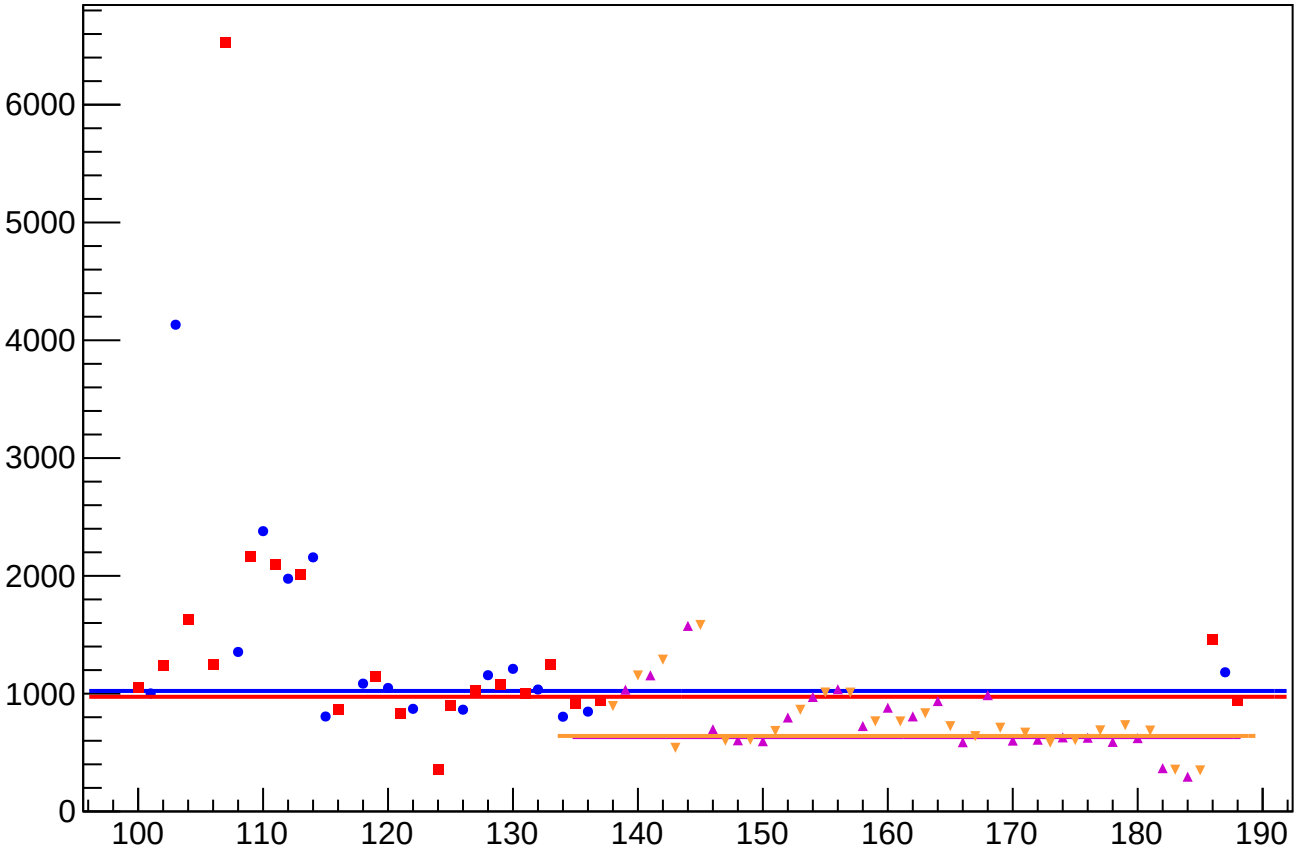
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 227.053+/-143.786 χ^2/NDF: 45.4/41

All: 100.189+/-101.930 χ^2/NDF: 88.3/85

- sign -27.969+/-144.517 χ^2/NDF: 41.3/43

asym_atl1_reg_correction_rms vs Slug



Right In: 1023.011+/-0.284 χ^2/NDF: 1371612.1/16

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 973.357+/-0.258 χ^2/NDF: 2403429.7/20

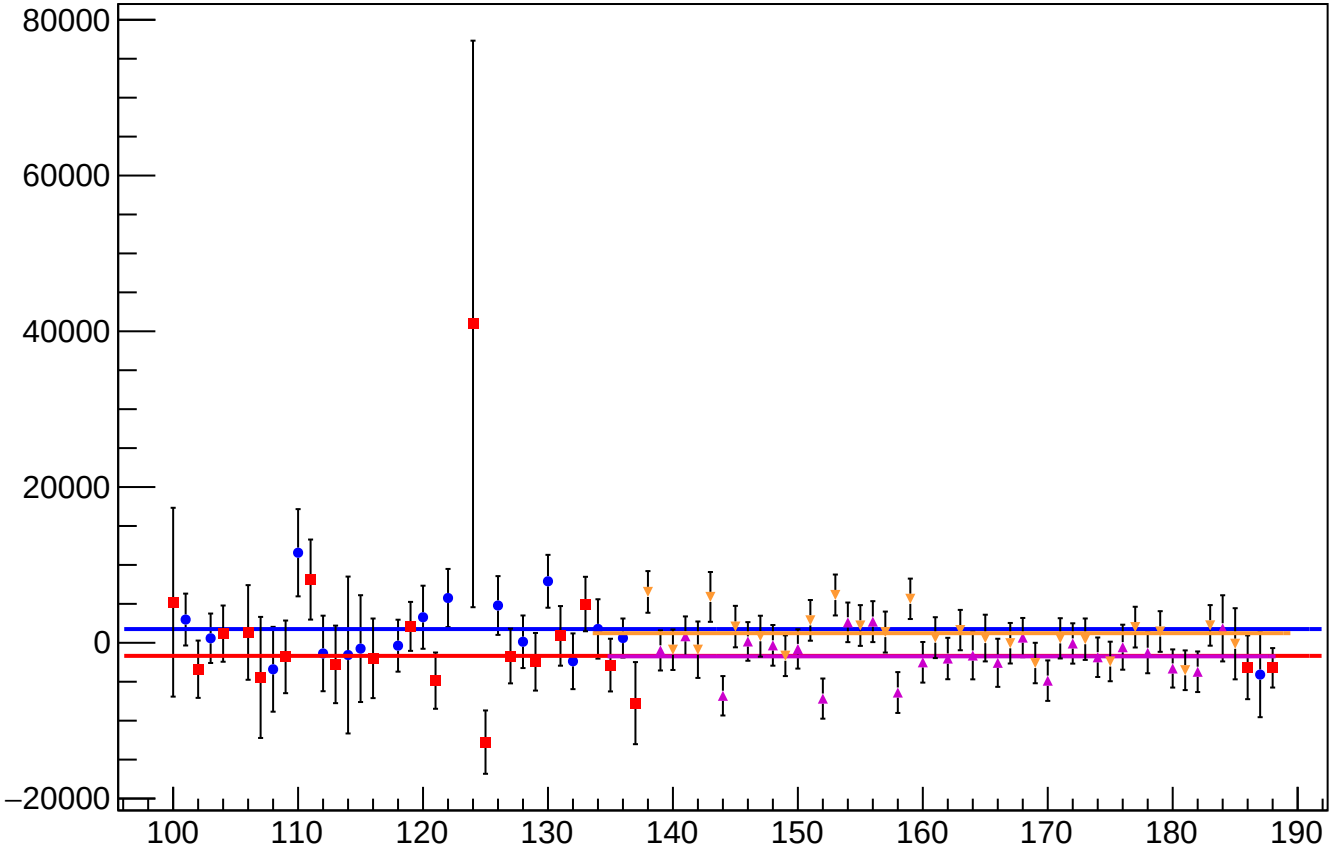
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 690.170+/-0.102 χ^2/NDF: 6424634.1/41

All: 687.544+/-0.072 χ^2/NDF: 14288049.3/85

- sign 684.892+/-0.102 χ^2/NDF: 7862074.4/43

cor_asym_atl1_mean vs Slug



Right In: 1762.480+/-938.403 χ^2/NDF: 13.4/16

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1680.104+/-896.115 χ^2/NDF: 22.3/20

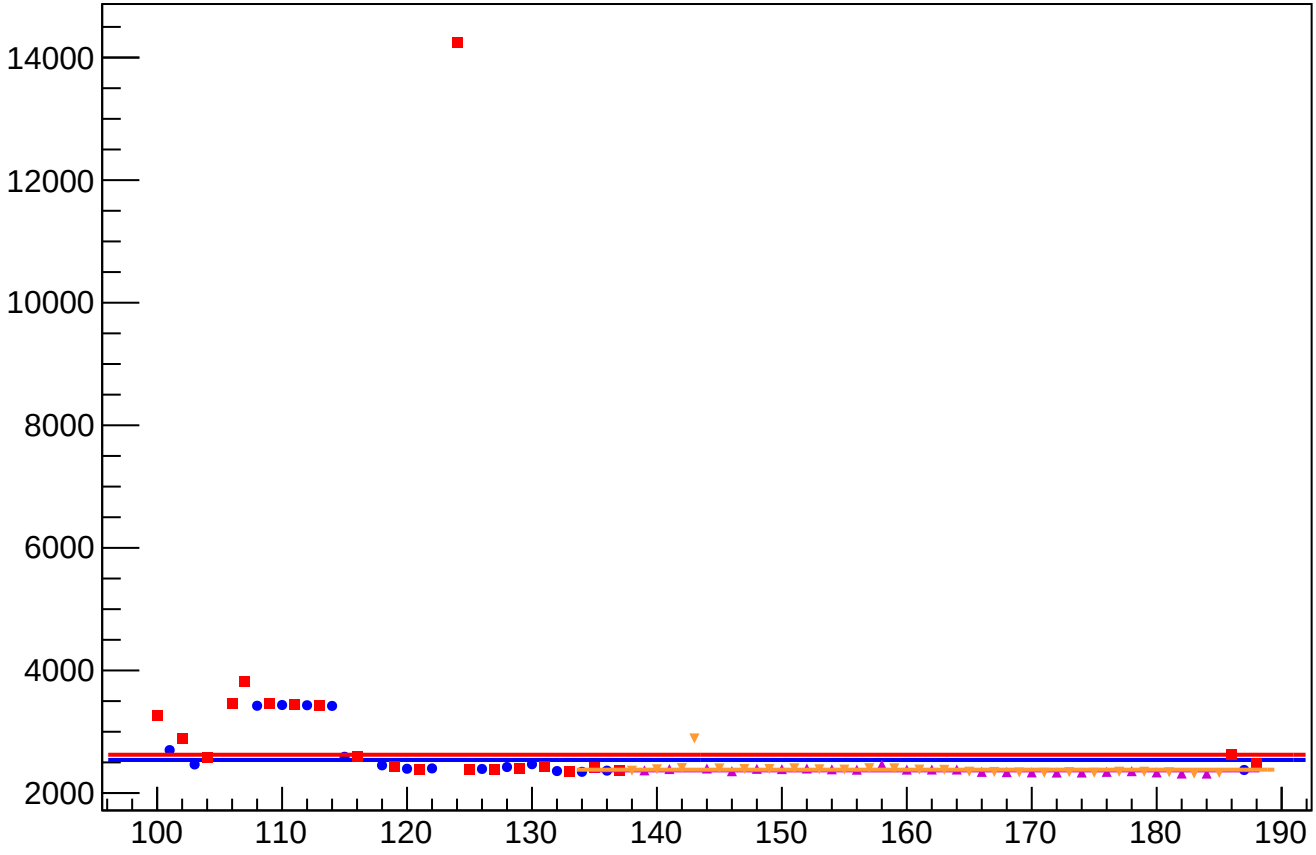
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1366.467+/-468.878 χ^2/NDF: 37.5/41

All: -172.952+/-332.211 χ^2/NDF: 105.9/85

- sign -1724.762+/-470.761 χ^2/NDF: 46.7/43

cor_asym_atl1_rms vs Slug



Right In: 2539.464+/-0.664 χ^2/NDF: 227449.2/16

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2625.041+/-0.634 χ^2/NDF: 546886.4/20

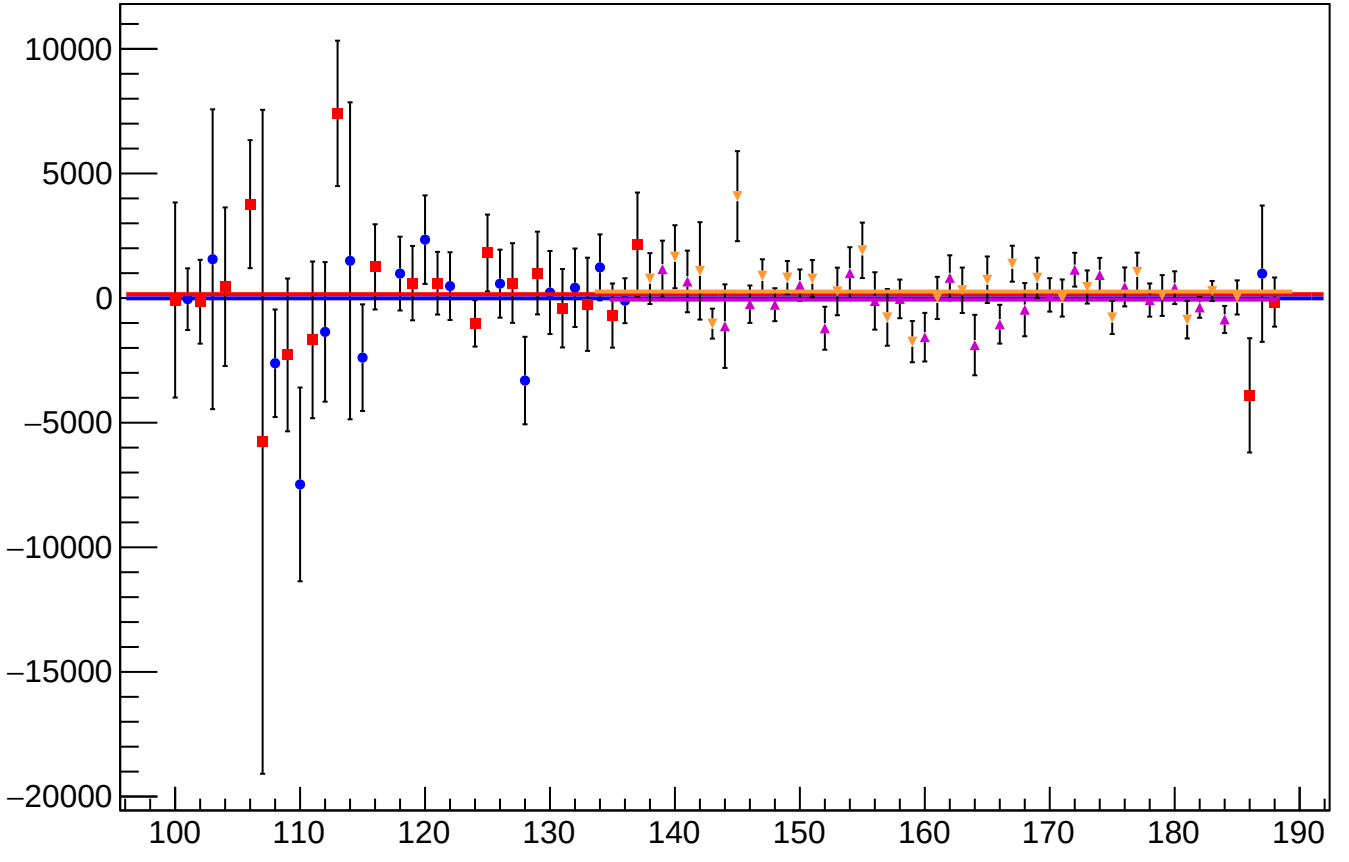
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2420.738+/-0.332 χ^2/NDF: 327738.2/41

All: 2430.300+/-0.235 χ^2/NDF: 1001189.8/85

- sign 2439.940+/-0.333 χ^2/NDF: 671781.3/43

asym_atl1_cor_correction_mean vs Slug



Right In: -9.488+/-401.332 χ^2/NDF: 13.9/16

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 156.940+/-365.404 χ^2/NDF: 17.8/20

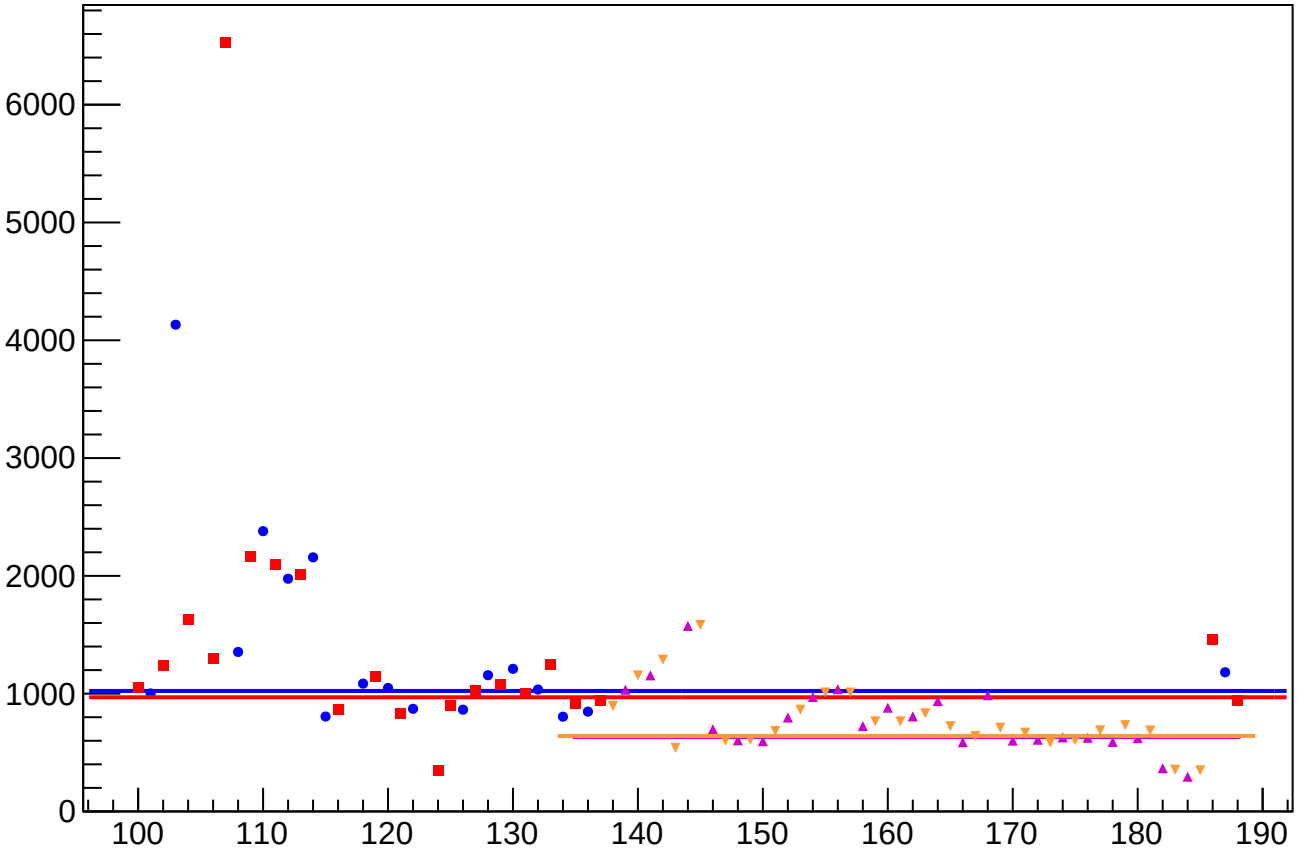
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 227.291+/-143.788 χ^2/NDF: 45.4/41

All: 100.465+/-101.943 χ^2/NDF: 87.1/85

- sign -27.716+/-144.554 χ^2/NDF: 40.1/43

asym_atl1_cor_correction_rms vs Slug



Right In: 1023.002+/-0.284 χ^2/NDF: 1371607.2/16

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 969.171+/-0.258 χ^2/NDF: 2439678.6/20

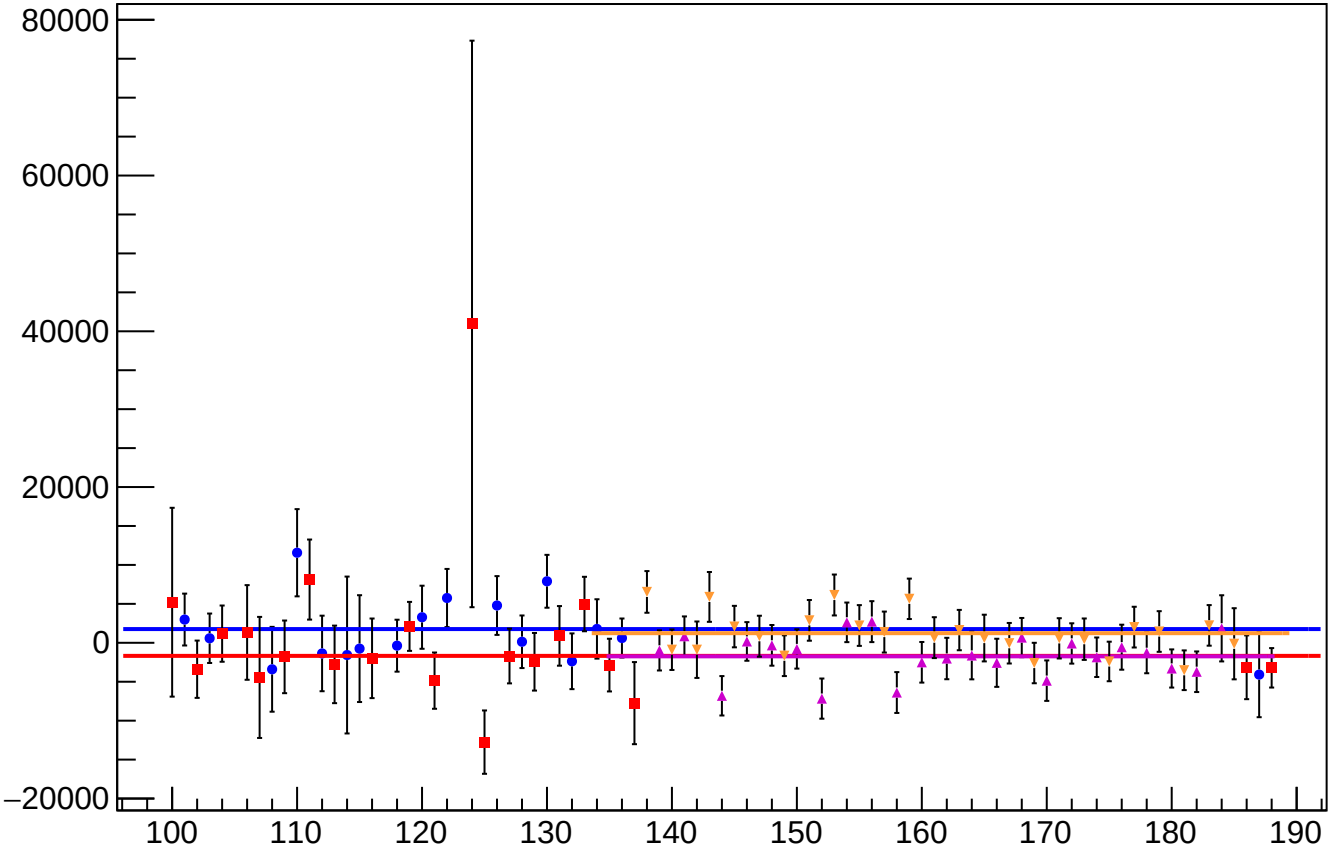
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 690.182+/-0.102 χ^2/NDF: 6424192.7/41

All: 687.152+/-0.072 χ^2/NDF: 14284459.6/85

- sign 684.089+/-0.102 χ^2/NDF: 7858480.6/43

eigen_cor_asym_atl1_mean vs Slug



Right In: 1762.480+/-938.403 χ^2/NDF: 13.4/16

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1680.104+/-896.115 χ^2/NDF: 22.3/20

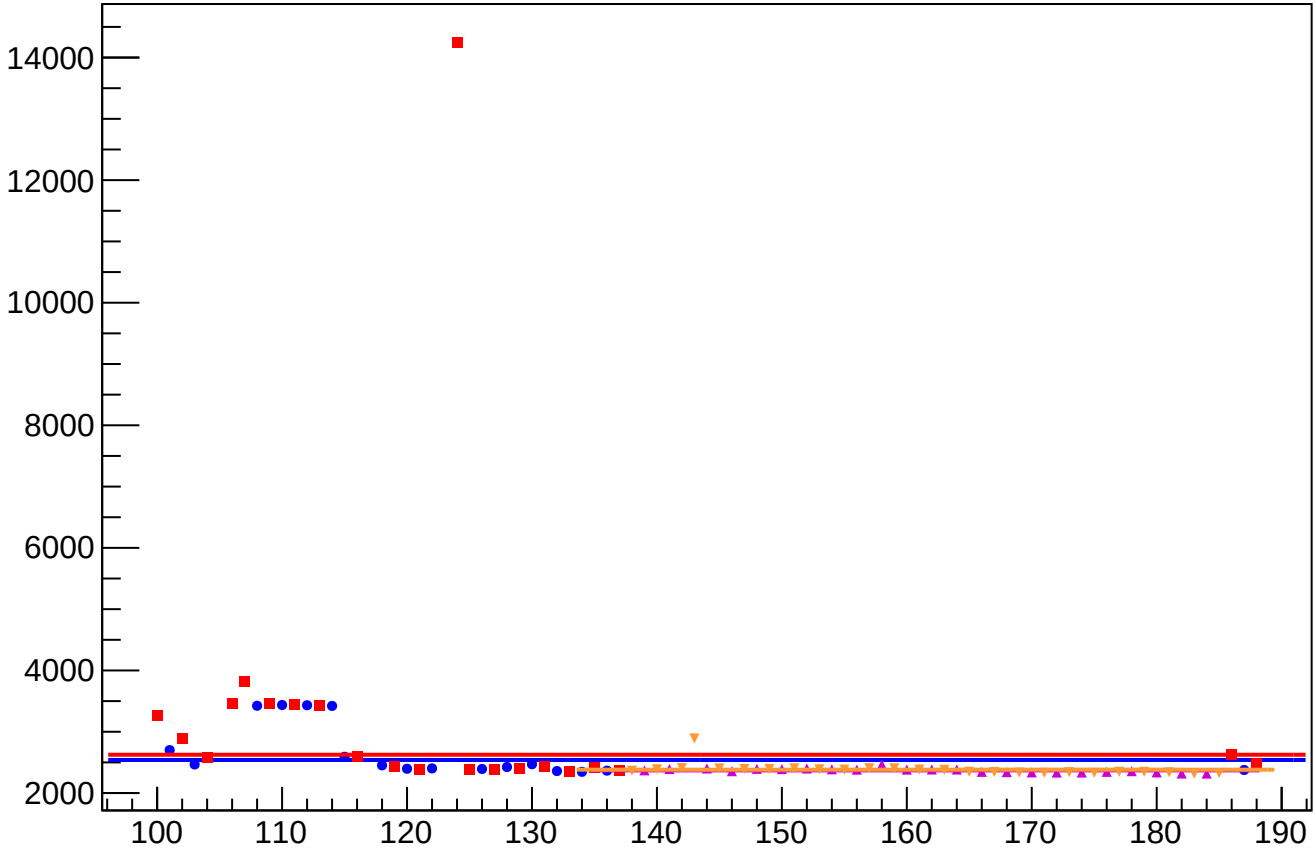
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1366.467+/-468.878 χ^2/NDF: 37.5/41

All: -172.952+/-332.211 χ^2/NDF: 105.9/85

- sign -1724.762+/-470.761 χ^2/NDF: 46.7/43

eigen_cor_asym_atl1_rms vs Slug



Right In: 2539.464+/-0.664 χ^2/NDF: 227449.2/16

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2625.041+/-0.634 χ^2/NDF: 546886.4/20

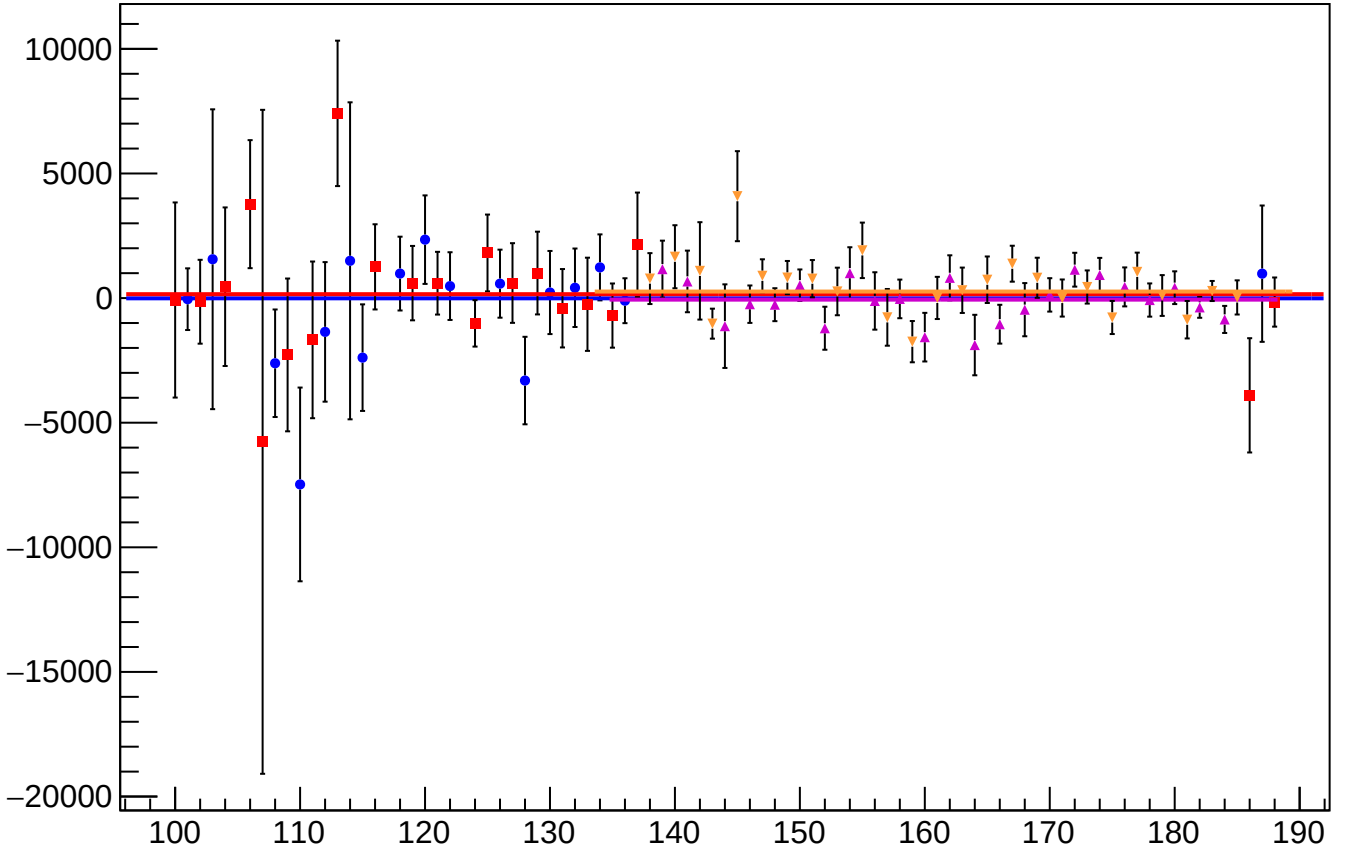
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2420.738+/-0.332 χ^2/NDF: 327738.2/41

All: 2430.300+/-0.235 χ^2/NDF: 1001189.8/85

- sign 2439.940+/-0.333 χ^2/NDF: 671781.3/43

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -9.488+/-401.332 χ^2/NDF: 13.9/16

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

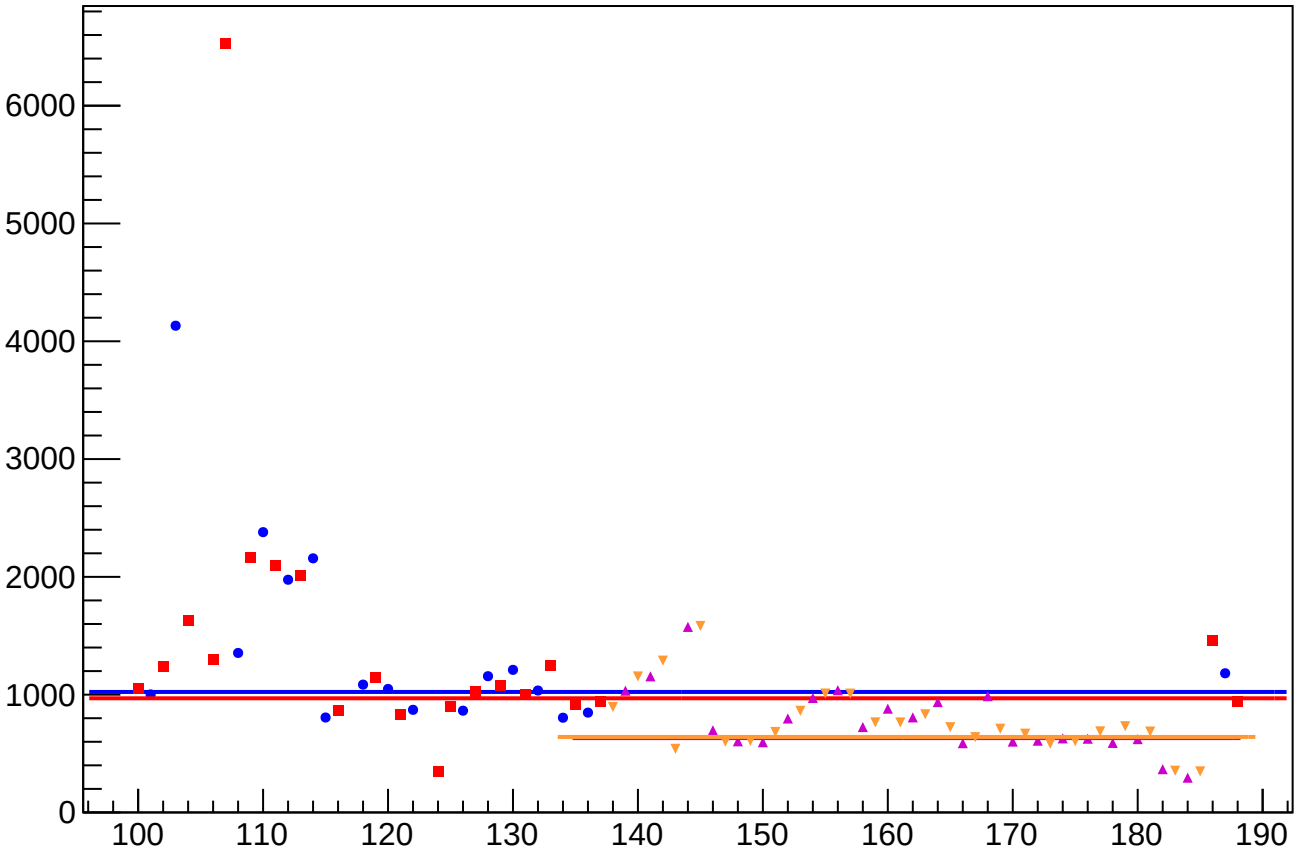
Right Out: 156.940+/-365.404 χ^2/NDF: 17.8/20

Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 227.291+/-143.788 χ^2/NDF: 45.4/41

All: 100.465+/-101.943 χ^2/NDF: 87.1/85

- sign -27.716+/-144.554 χ^2/NDF: 40.1/43



Right In: 1023.002+/-0.284 χ^2/NDF: 1371607.2/16

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 969.171+/-0.258 χ^2/NDF: 2439678.6/20

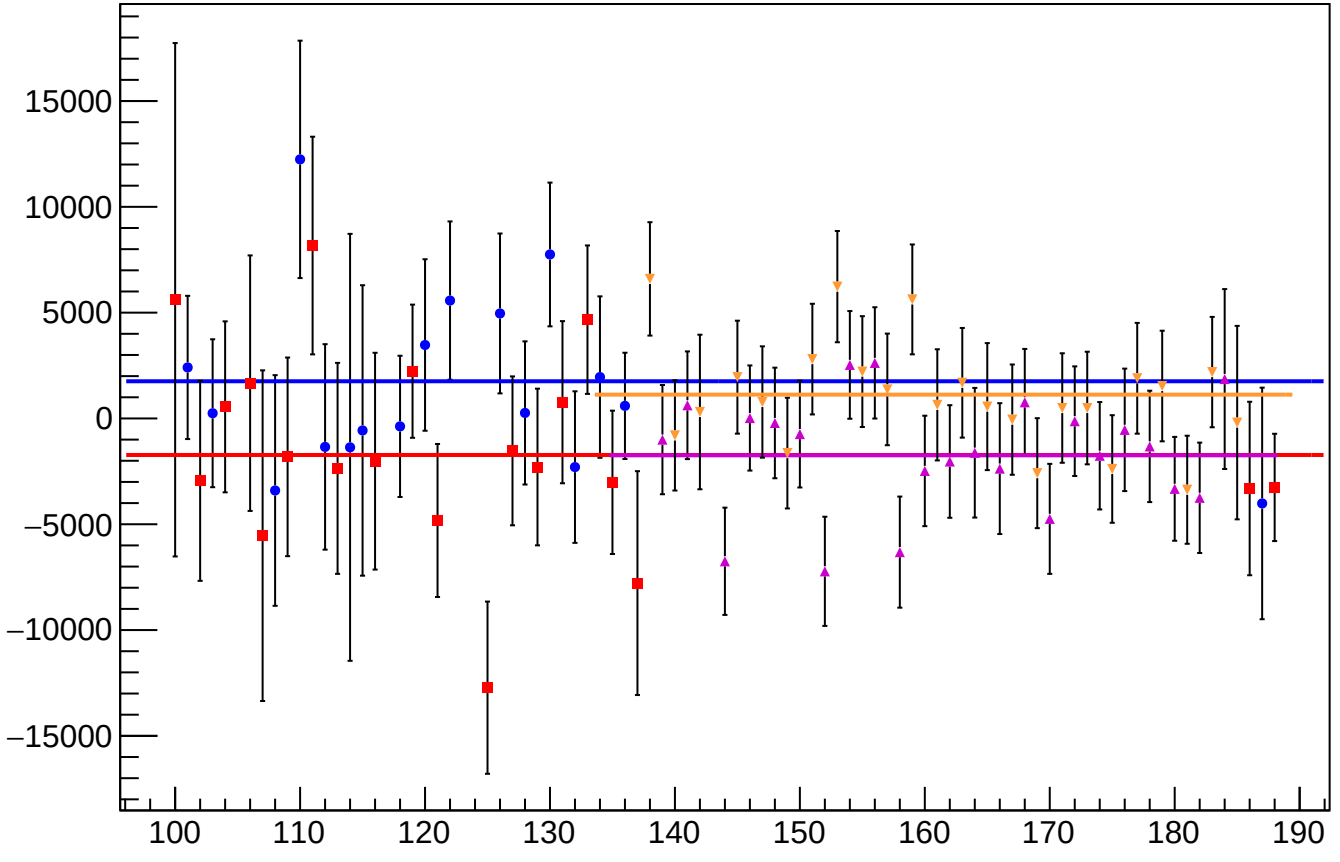
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 690.182+/-0.102 χ^2/NDF: 6424192.7/41

All: 687.152+/-0.072 χ^2/NDF: 14284459.6/85

- sign 684.089+/-0.102 χ^2/NDF: 7858480.6/43

dit_asym_atl1_mean vs Slug



Right In: 1757.397+/-947.775 χ^2/NDF: 13.5/16

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1726.500+/-913.960 χ^2/NDF: 20.4/19

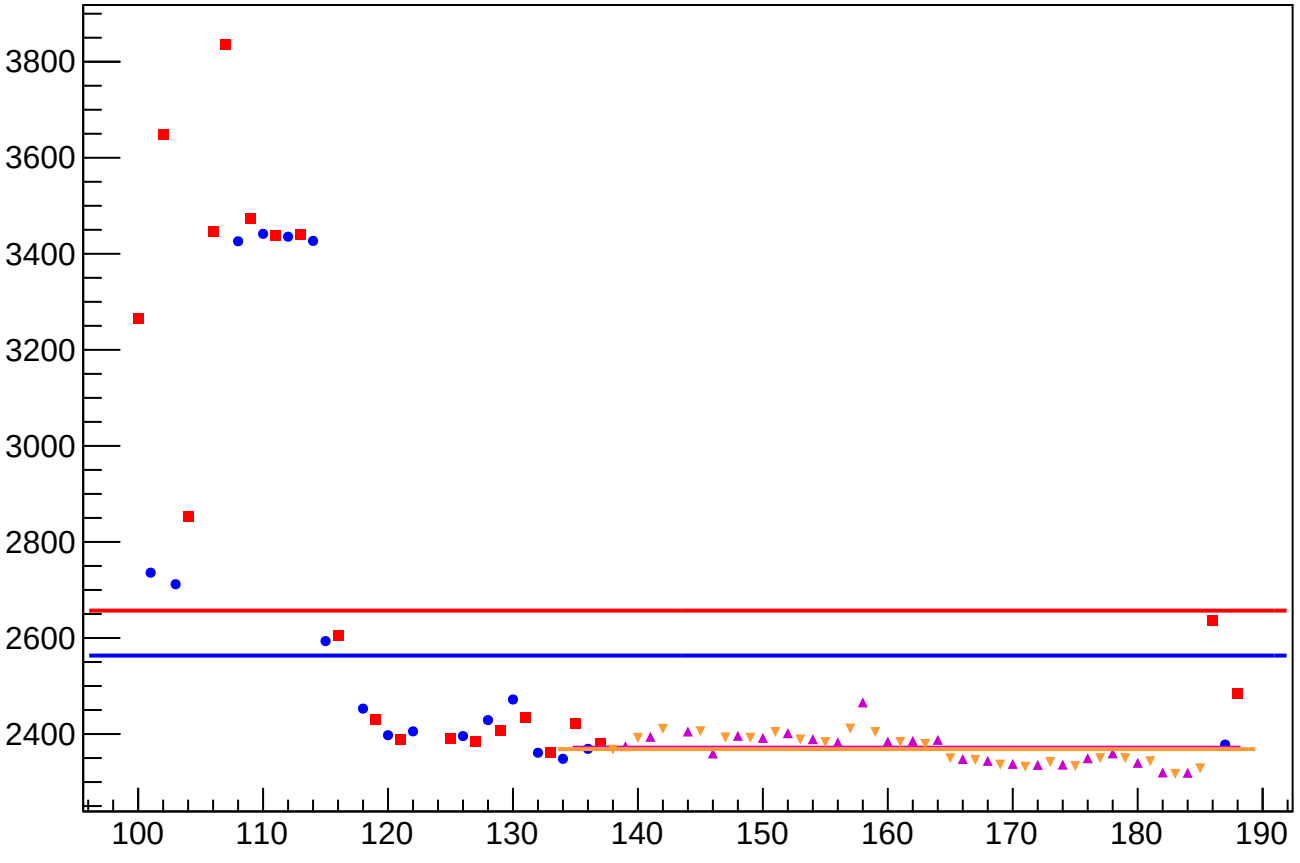
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1284.662+/-475.596 χ^2/NDF: 35.0/40

All: -233.036+/-335.592 χ^2/NDF: 99.5/83

- sign -1738.061+/-473.607 χ^2/NDF: 44.1/42

dit_asym_atl1_rms vs Slug



Right In: 2563.394+/-0.670 χ^2/NDF: 231855.6/16

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2657.005+/-0.646 χ^2/NDF: 430268.7/19

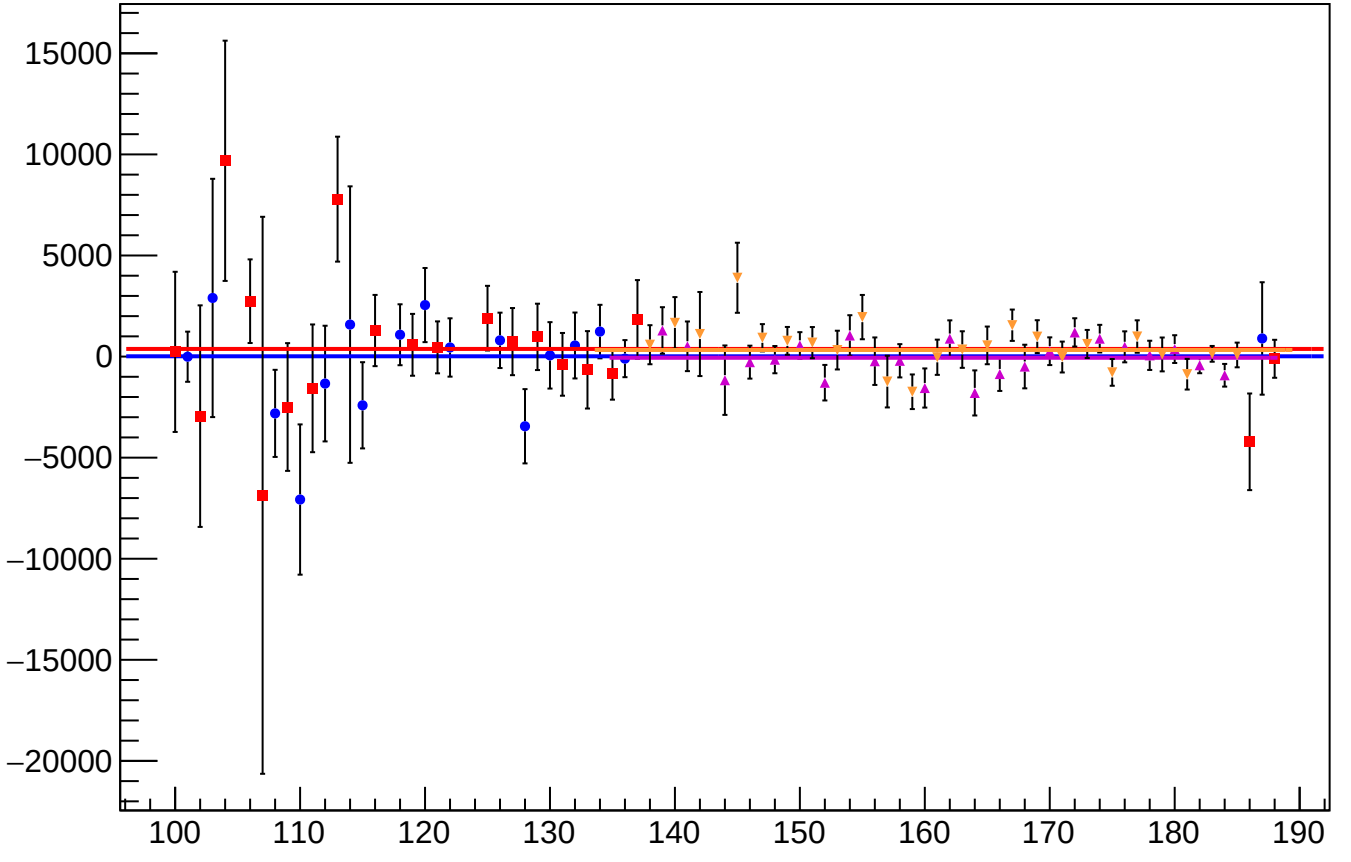
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2417.627+/-0.336 χ^2/NDF: 300656.9/40

All: 2432.967+/-0.237 χ^2/NDF: 884863.8/83

- sign 2448.178+/-0.335 χ^2/NDF: 580063.2/42

asym_atl1_dit_correction_mean vs Slug



Right In: 14.204+/-407.792 χ^2/NDF: 14.6/16

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 378.031+/-407.422 χ^2/NDF: 18.7/19

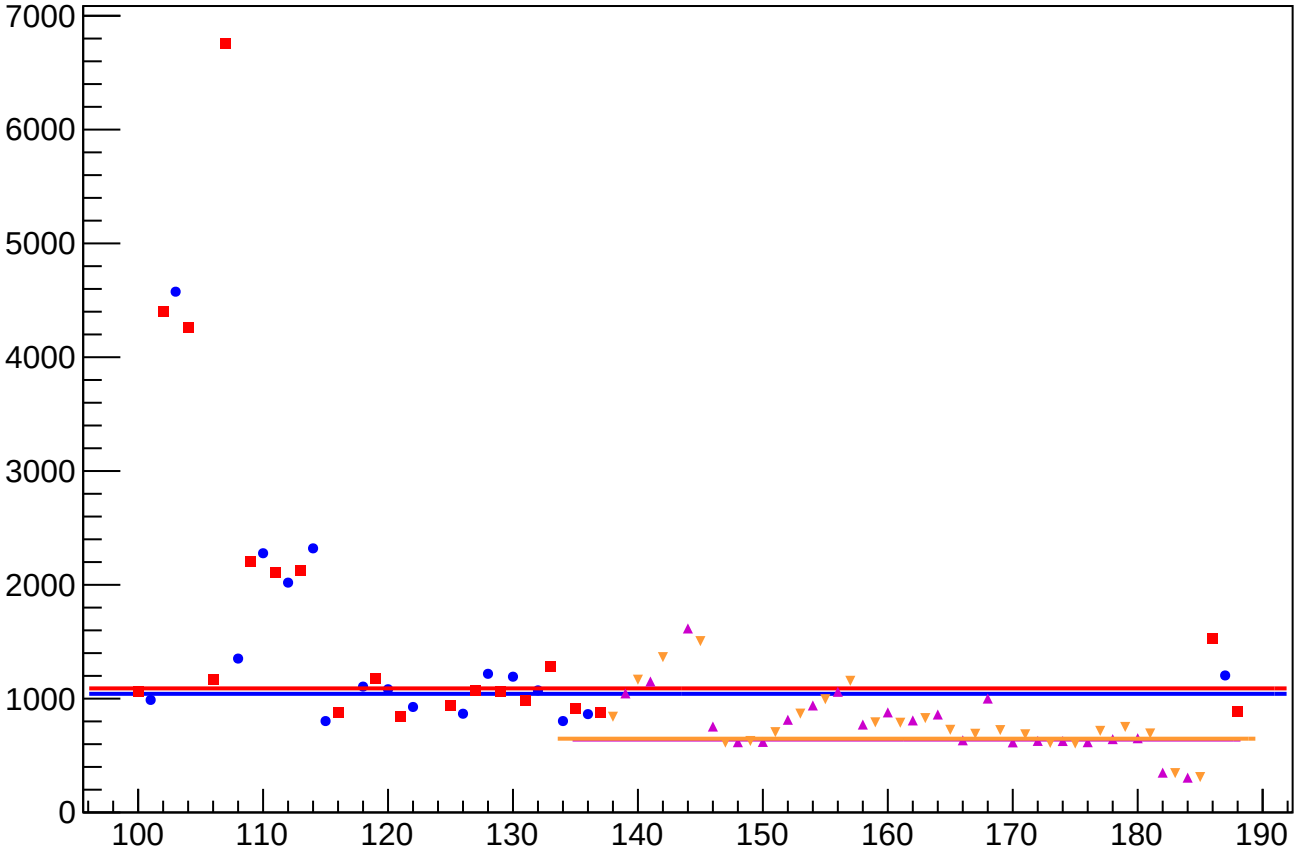
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 284.347+/-148.979 χ^2/NDF: 41.9/40

All: 141.193+/-105.231 χ^2/NDF: 86.2/83

- sign -1.351+/-148.661 χ^2/NDF: 42.4/42

asym_atl1_dit_correction_rms vs Slug



Right In: 1042.351+/-0.288 χ^2/NDF: 1546620.4/16

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

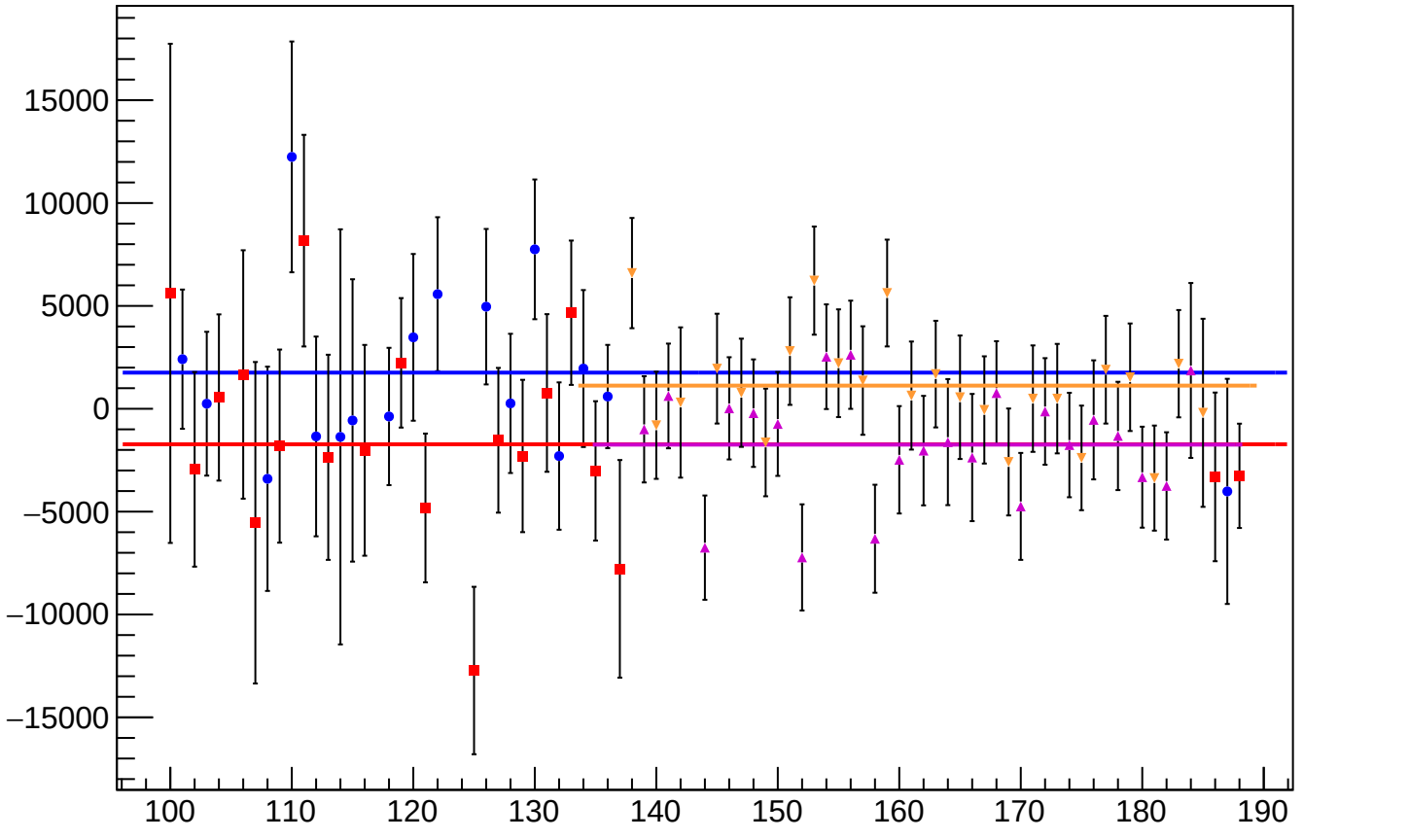
Right Out: 1090.091+/-0.288 χ^2/NDF: 2708204.5/19

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 700.720+/-0.105 χ^2/NDF: 7053490.8/40

All: 700.504+/-0.074 χ^2/NDF: 16002381.1/83

- sign 700.290+/-0.105 χ^2/NDF: 8948882.0/42



Right In: 1757.394+/-947.775 χ^2/NDF: 13.5/16

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1726.498+/-913.960 χ^2/NDF: 20.4/19

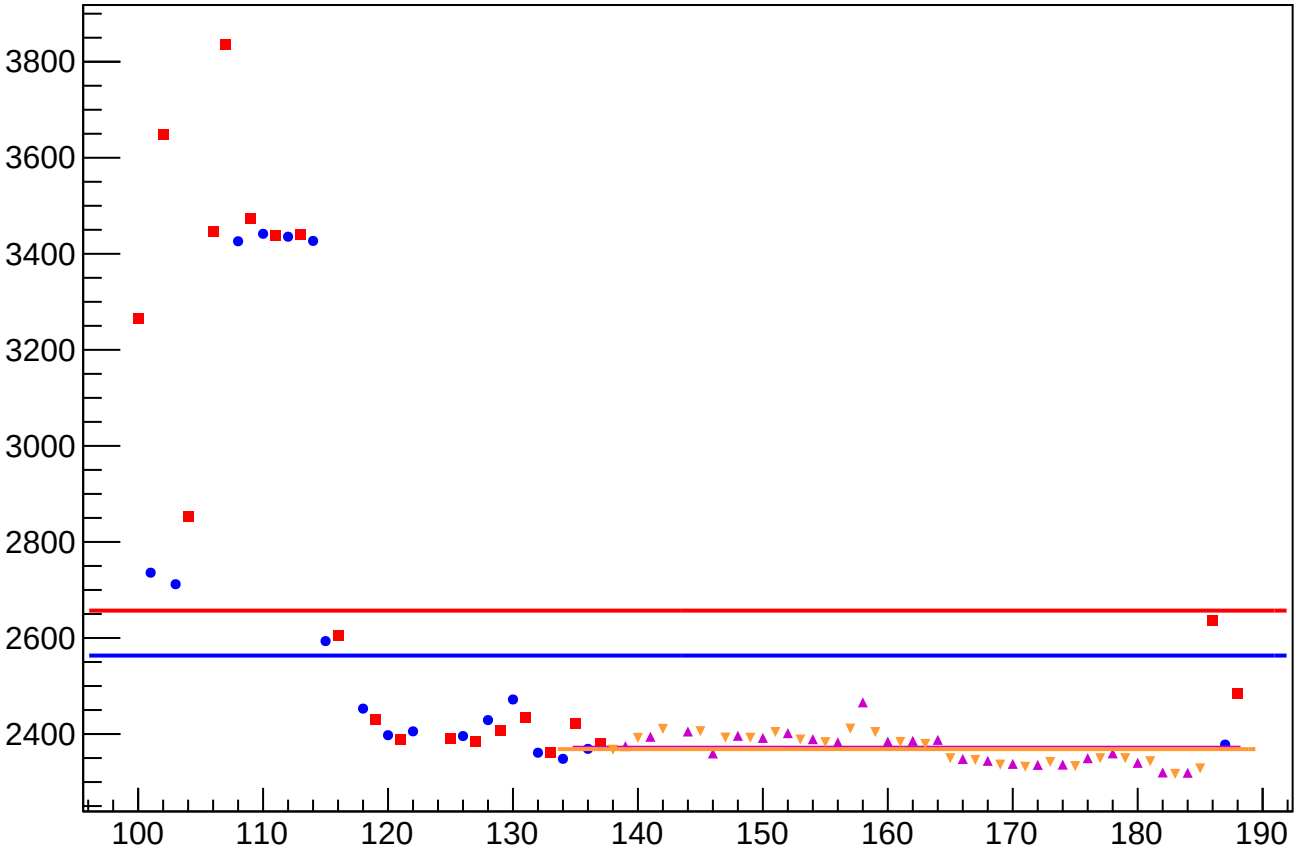
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1284.661+/-475.596 χ^2/NDF: 35.0/40

All: -233.036+/-335.592 χ^2/NDF: 99.5/83

- sign -1738.060+/-473.607 χ^2/NDF: 44.1/42

eigen_dit_asym_atl1_rms vs Slug



Right In: 2563.394+/-0.670 χ^2/NDF: 231855.4/16

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2657.005+/-0.646 χ^2/NDF: 430268.1/19

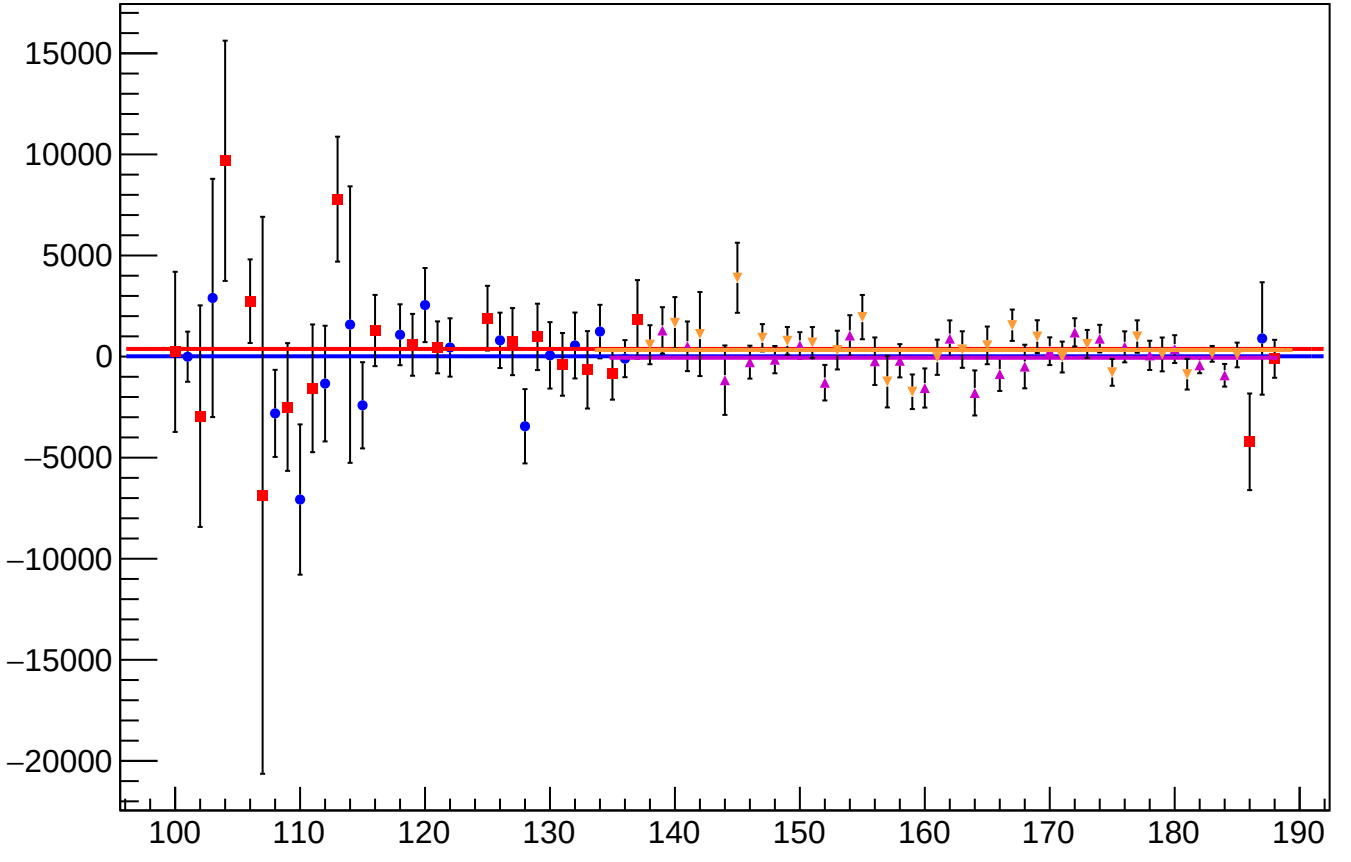
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2417.627+/-0.336 χ^2/NDF: 300656.5/40

All: 2432.966+/-0.237 χ^2/NDF: 884862.3/83

- sign 2448.178+/-0.335 χ^2/NDF: 580062.3/42

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 14.202+/-407.792 χ^2/NDF: 14.6/16

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 378.031+/-407.422 χ^2/NDF: 18.7/19

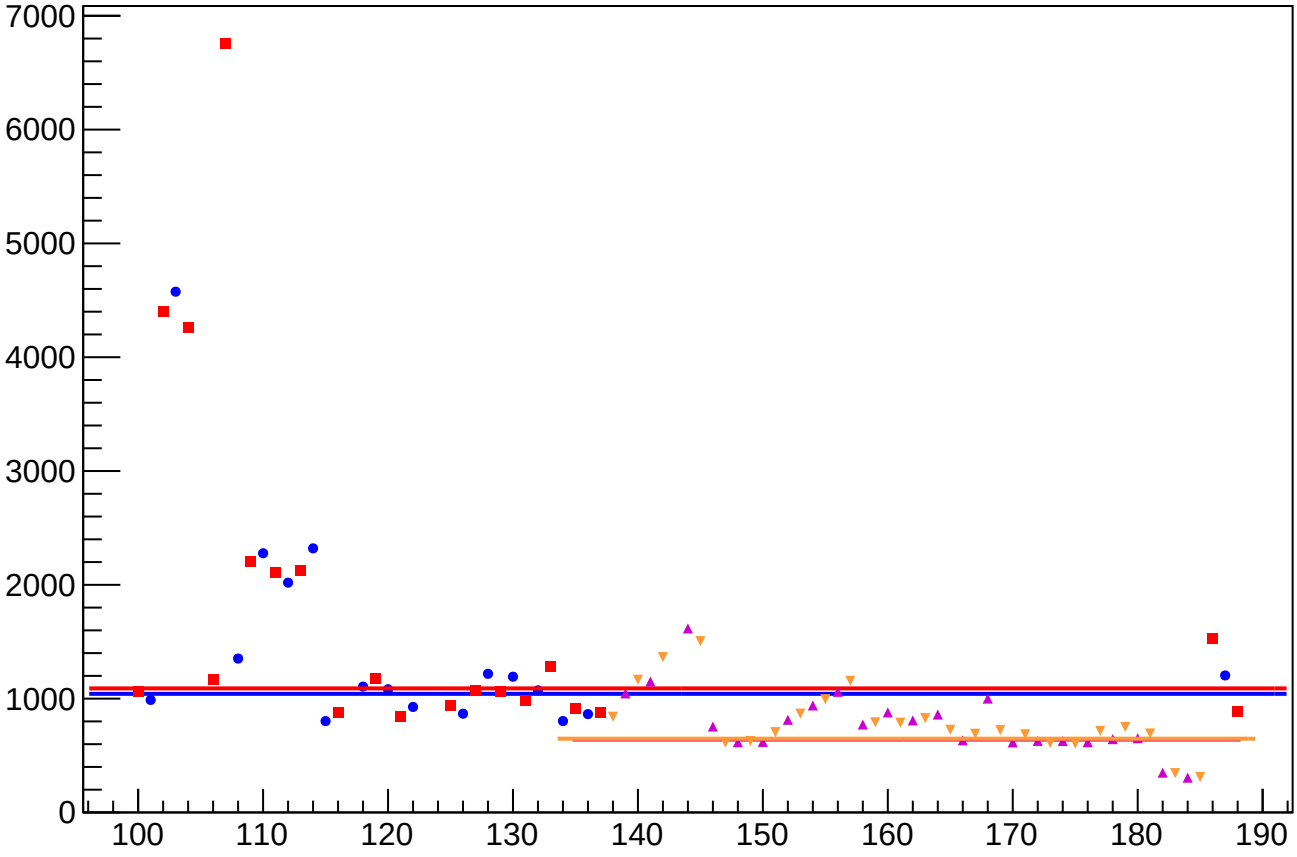
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 284.346+/-148.979 χ^2/NDF: 41.9/40

All: 141.192+/-105.231 χ^2/NDF: 86.2/83

- sign -1.351+/-148.661 χ^2/NDF: 42.4/42

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1042.351+/-0.288 χ^2/NDF: 1546613.8/16

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 1090.091+/-0.288 χ^2/NDF: 2708203.9/19

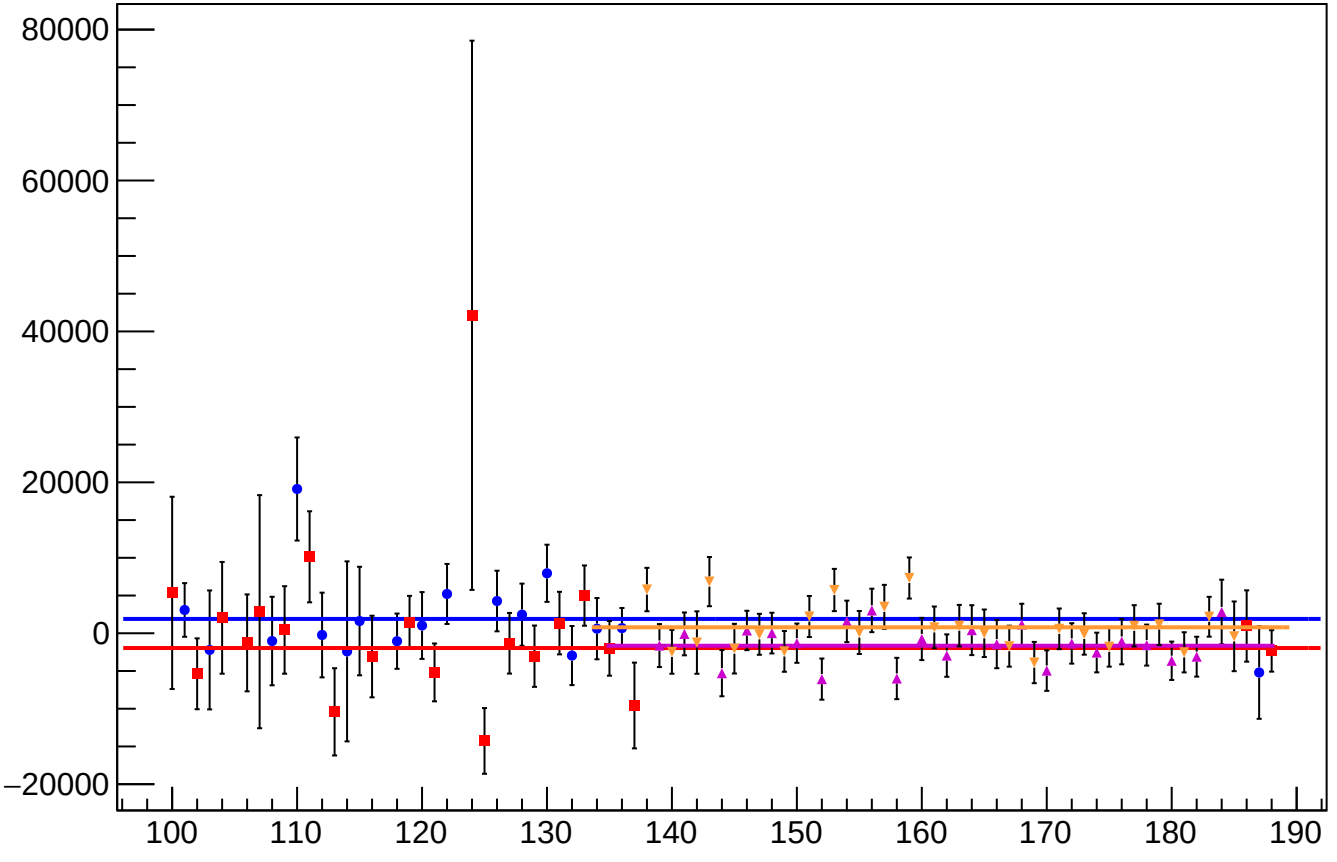
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 700.721+/-0.105 χ^2/NDF: 7053490.9/40

All: 700.505+/-0.074 χ^2/NDF: 16002384.5/83

- sign 700.291+/-0.105 χ^2/NDF: 8948885.2/42

asym_atl1_mean vs Slug



Right In: 1900.322+/-1068.151 χ^2/NDF: 14.7/16

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1956.273+/-1025.299 χ^2/NDF: 24.7/20

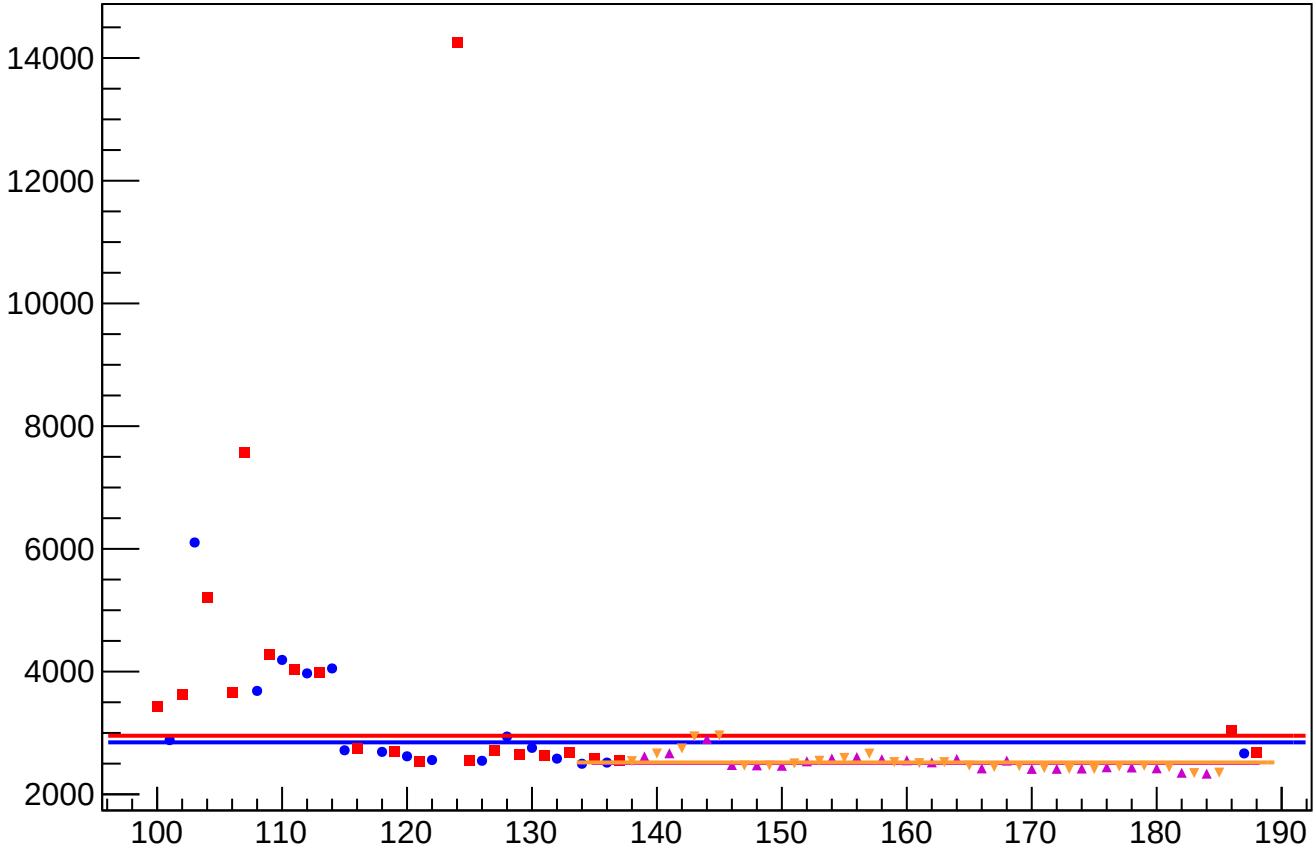
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1039.412+/-505.117 χ^2/NDF: 42.7/41

All: -333.490+/-358.630 χ^2/NDF: 99.7/85

- sign -1729.046+/-509.268 χ^2/NDF: 42.1/43

asym_atl1_rms vs Slug



Right In: 2846.576+/-0.755 χ^2/NDF: 650494.1/16

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2954.428+/-0.725 χ^2/NDF: 1001501.1/20

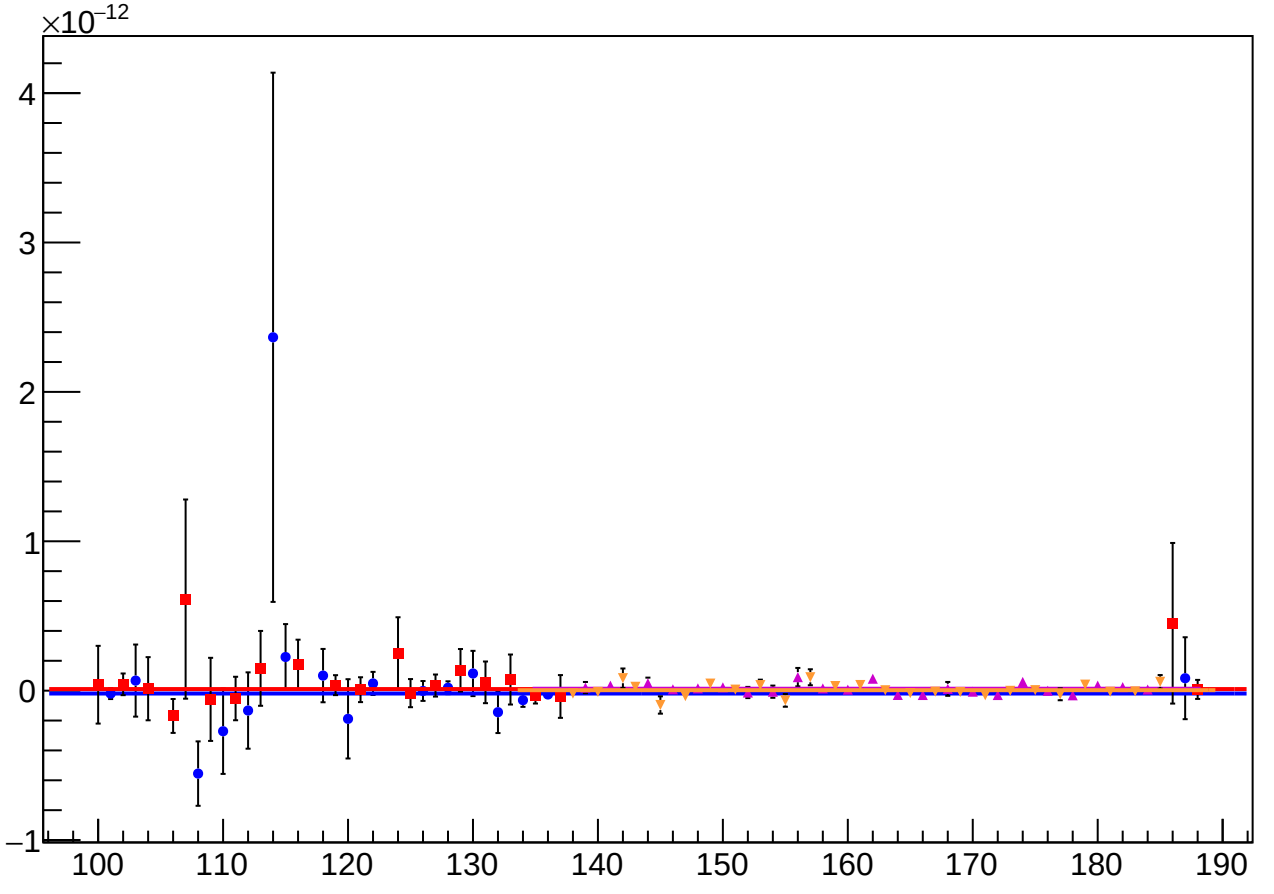
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2592.654+/-0.357 χ^2/NDF: 911275.9/41

All: 2606.098+/-0.254 χ^2/NDF: 2272275.8/85

- sign 2619.763+/-0.360 χ^2/NDF: 1358143.2/43

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/20

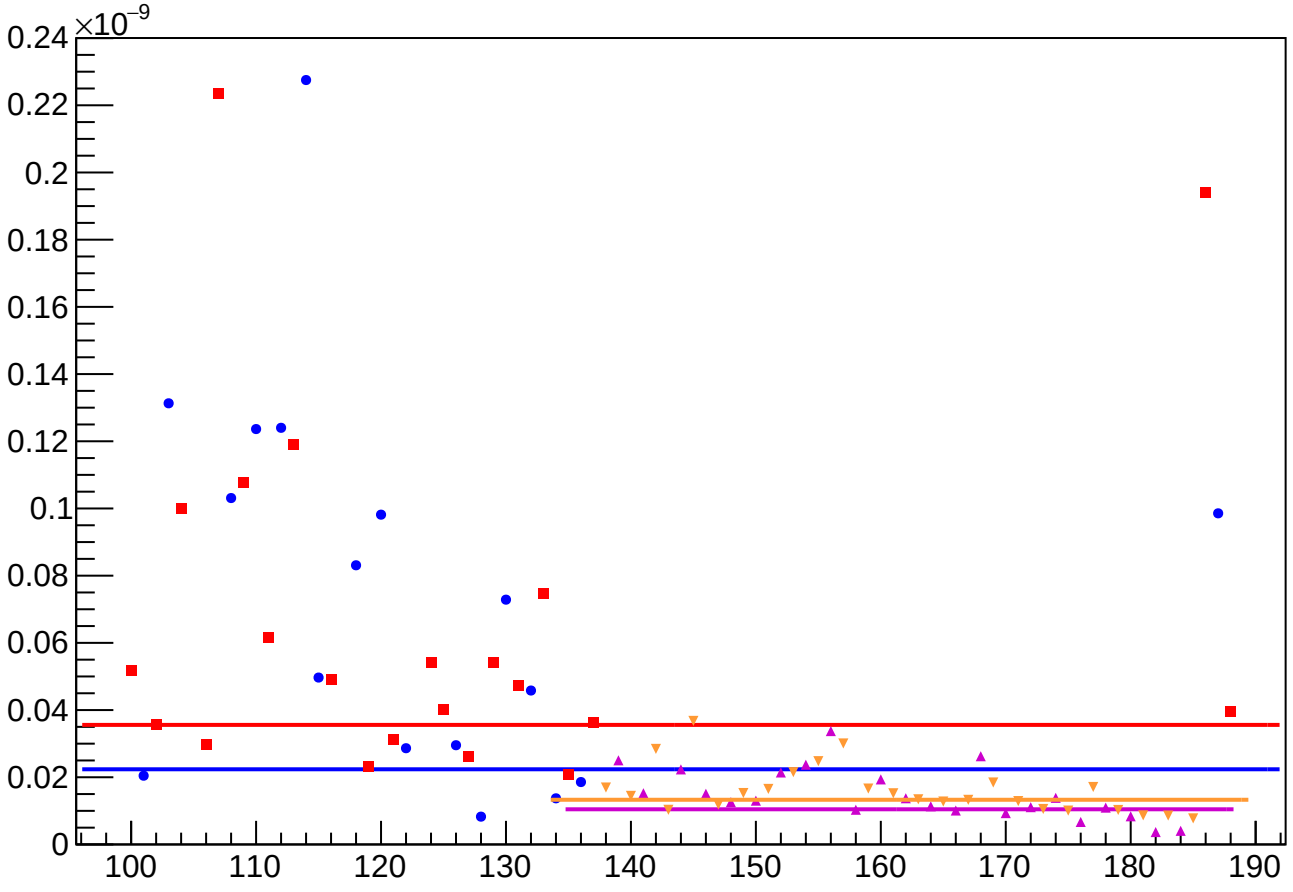
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.9/41

All: 0.000+/-0.000 χ^2/NDF: 90.0/85

- sign 0.000+/-0.000 χ^2/NDF: 41.3/43

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2499075.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1428318.6/20

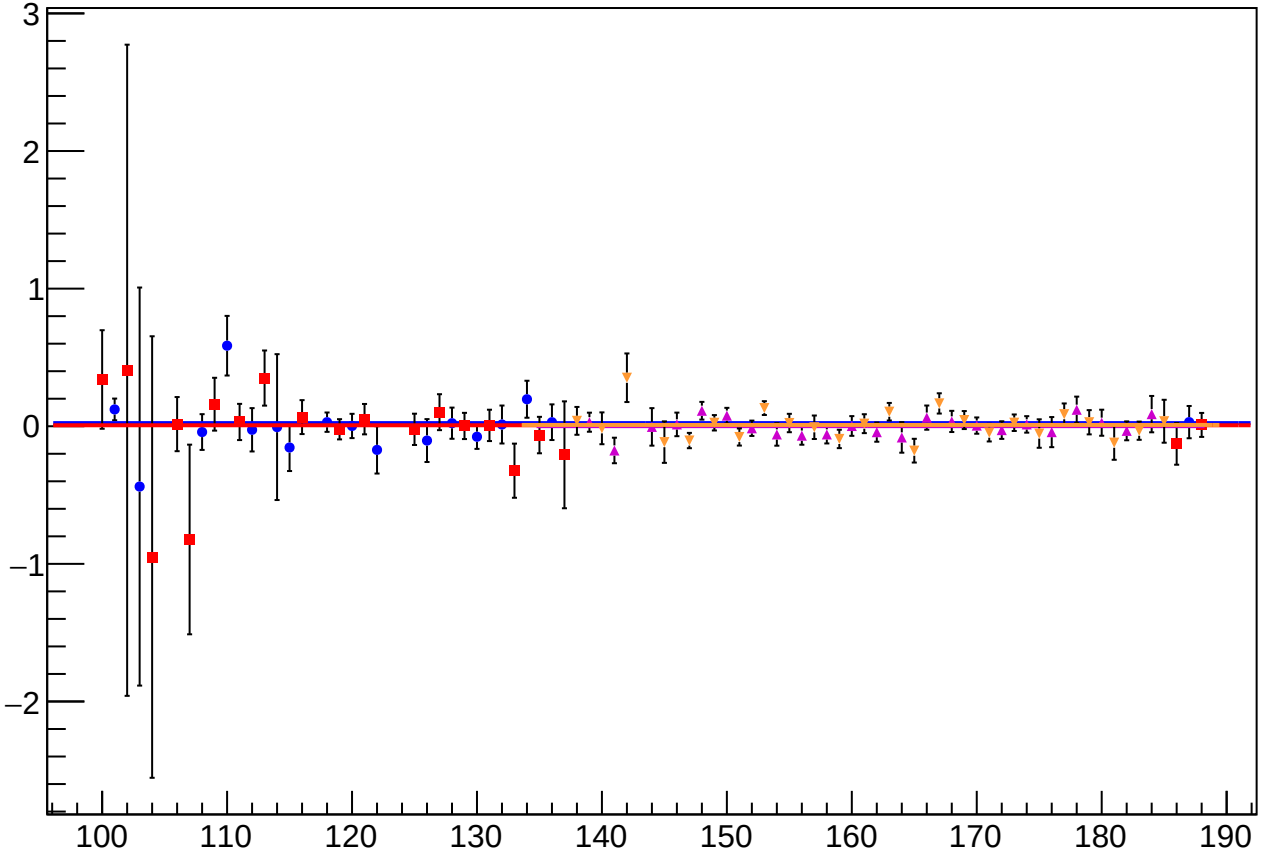
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4485128.9/41

All: 0.000+/-0.000 χ^2/NDF: 11328990.4/85

- sign 0.000+/-0.000 χ^2/NDF: 6568512.9/43

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.031 χ^2/NDF: 11.7/19

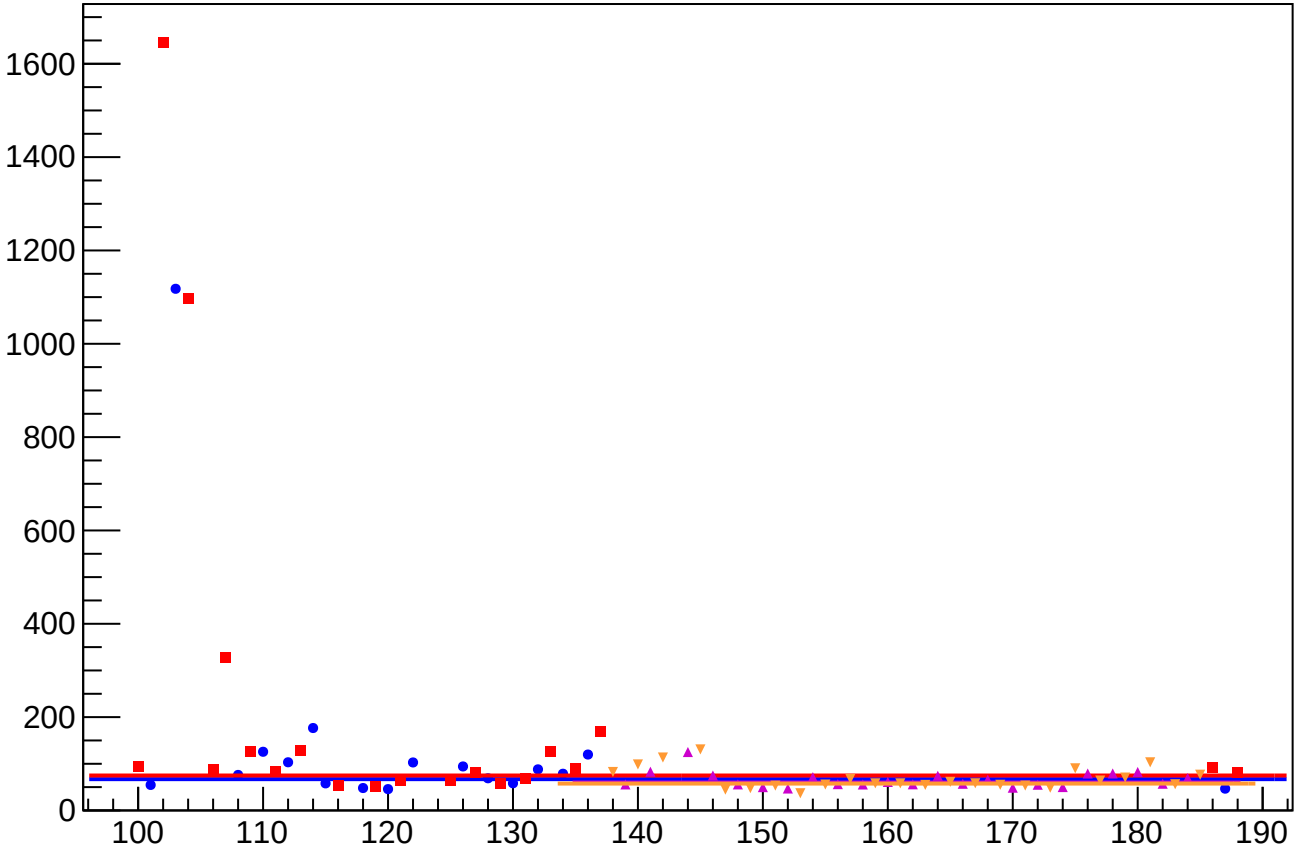
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

\+ sign 0.012+/-0.013 χ^2/NDF: 49.7/40

All: 0.007+/-0.010 χ^2/NDF: 77.2/83

\- sign 0.002+/-0.014 χ^2/NDF: 27.3/42

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 67.083+/-0.021 χ^2/NDF: 2342403.1/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.881+/-0.022 χ^2/NDF: 2957815.7/19

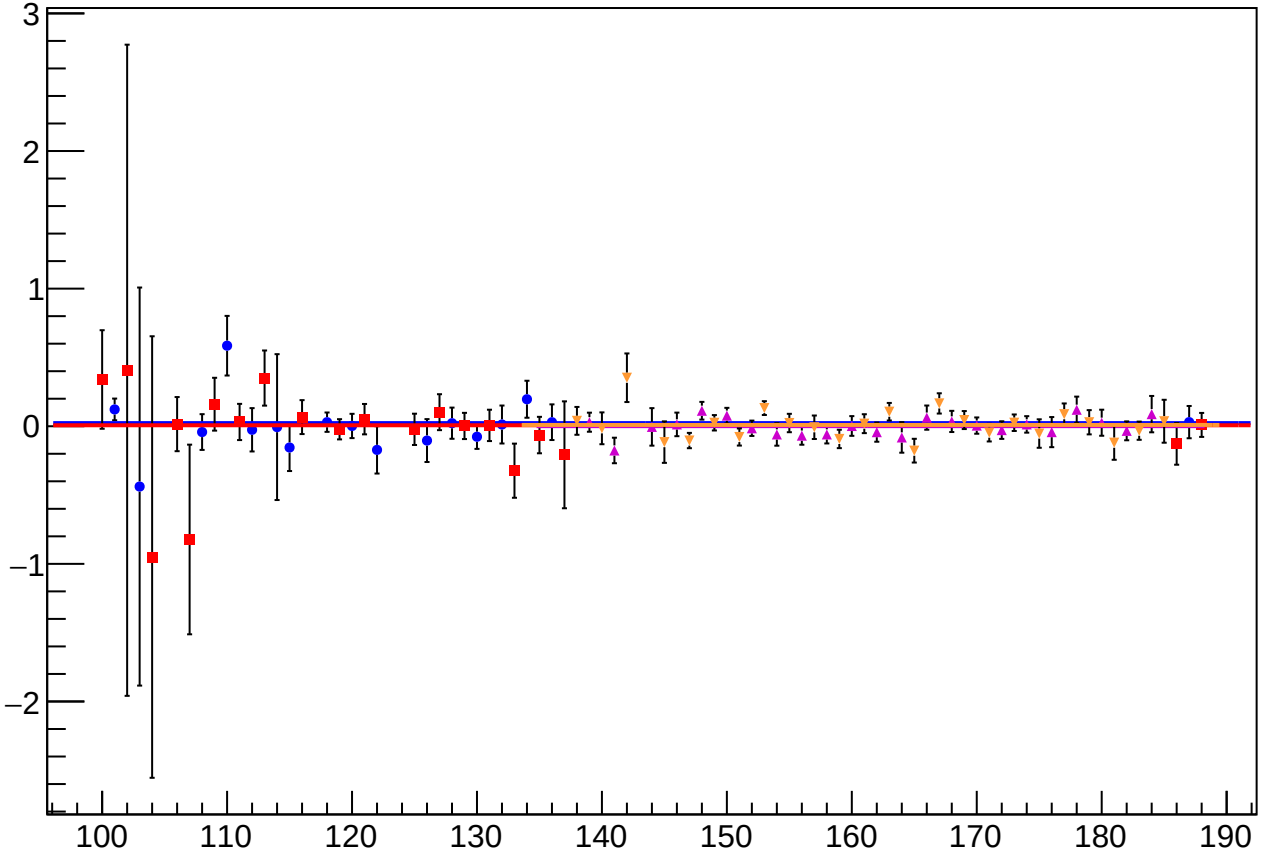
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.607+/-0.009 χ^2/NDF: 4721720.9/40

All: 61.204+/-0.007 χ^2/NDF: 9463763.6/83

- sign 62.898+/-0.010 χ^2/NDF: 4683660.4/42

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.031 χ^2/NDF: 11.7/19

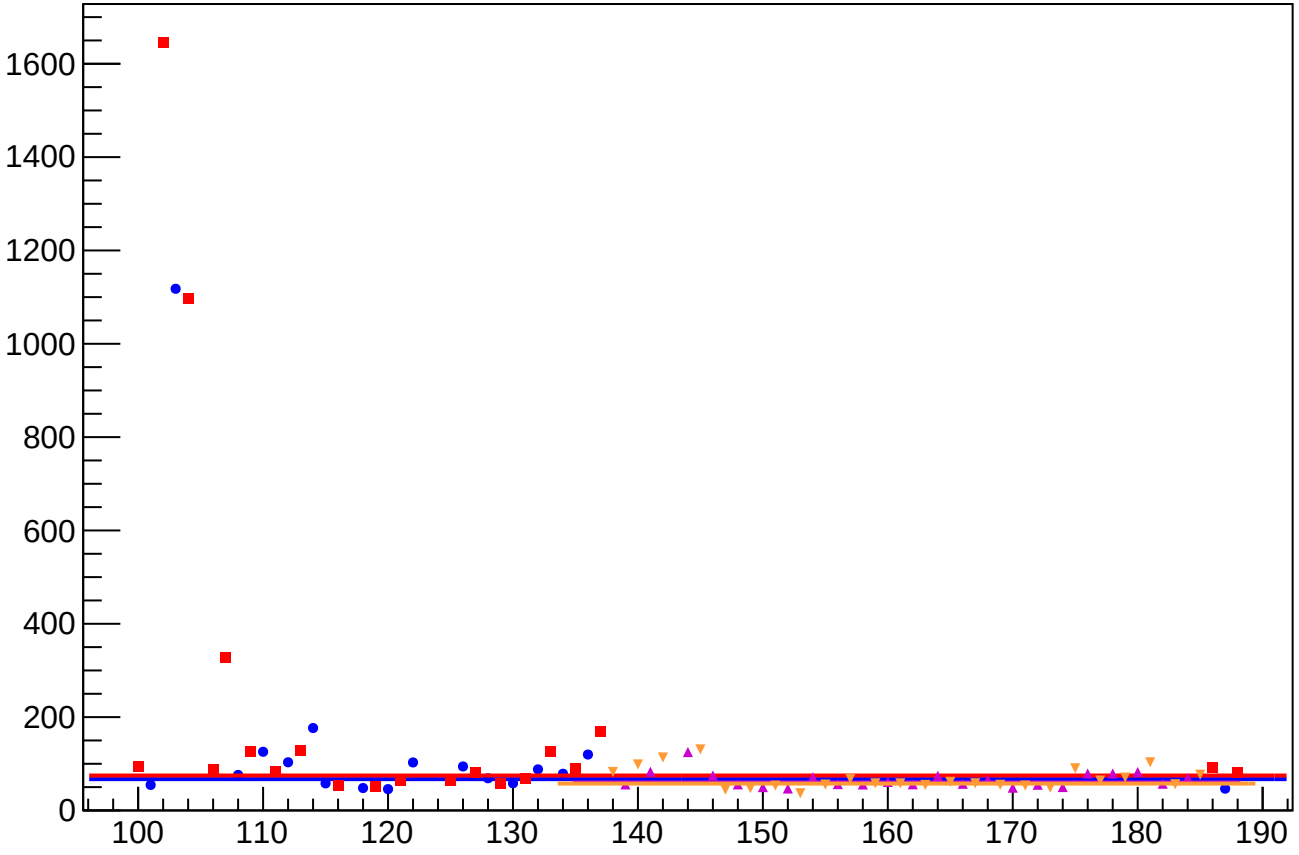
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

\+ sign 0.012+/-0.013 χ^2/NDF: 49.7/40

All: 0.007+/-0.010 χ^2/NDF: 77.2/83

\- sign 0.002+/-0.014 χ^2/NDF: 27.3/42

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.083+/-0.021 χ^2/NDF: 2342403.1/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.881+/-0.022 χ^2/NDF: 2957815.7/19

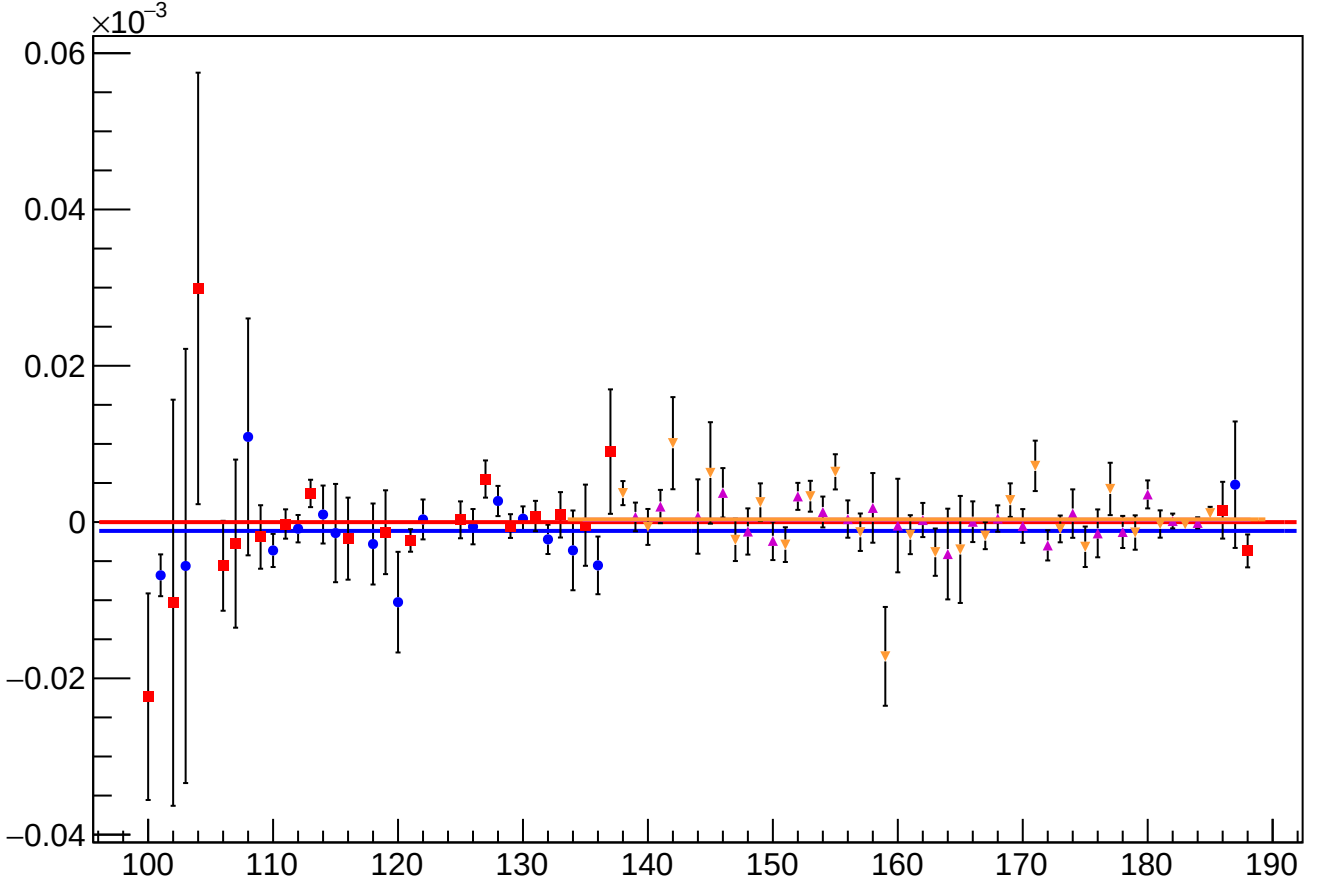
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.607+/-0.009 χ^2/NDF: 4721720.9/40

All: 61.204+/-0.007 χ^2/NDF: 9463763.6/83

- sign 62.898+/-0.010 χ^2/NDF: 4683660.4/42

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/19

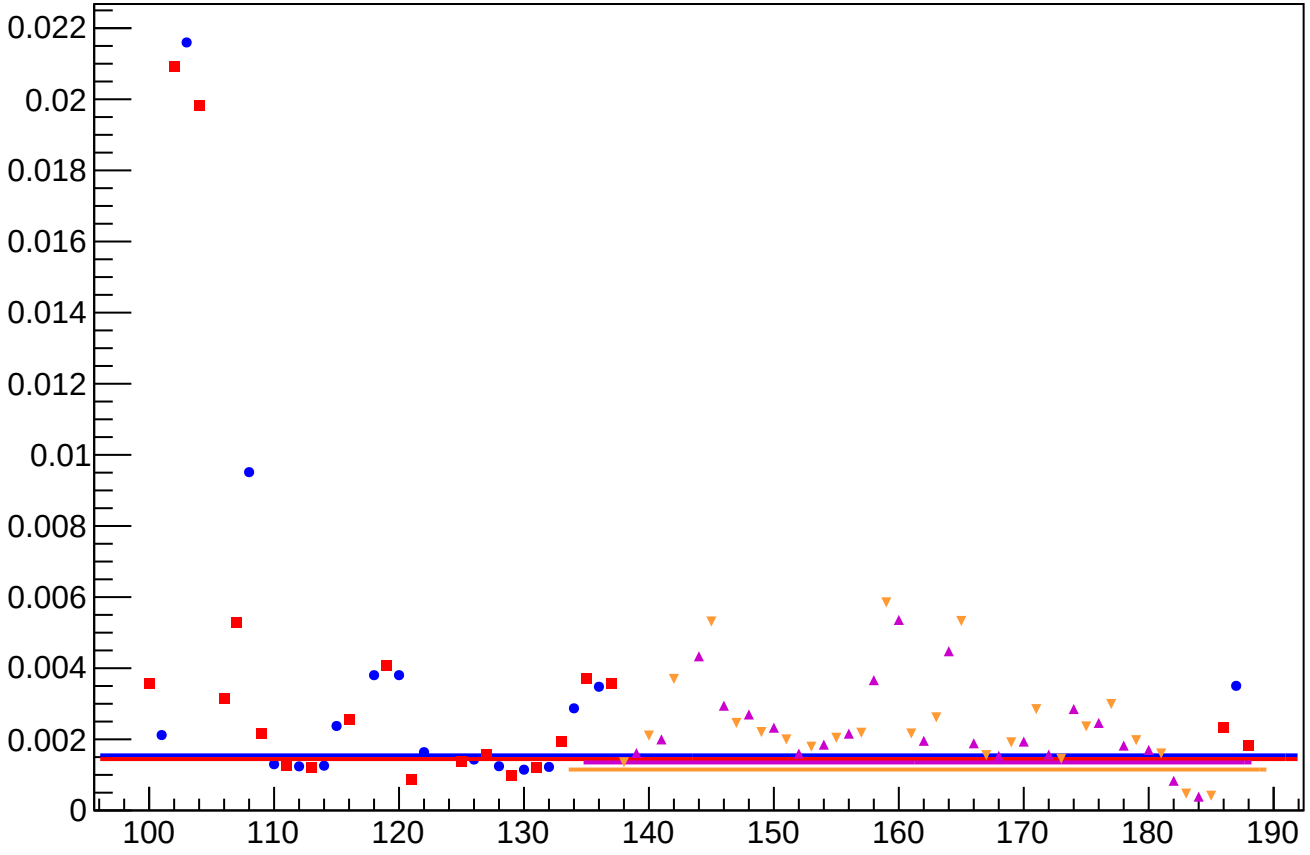
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.5/40

All: 0.000+/-0.000 χ^2/NDF: 105.7/83

- sign 0.000+/-0.000 χ^2/NDF: 38.1/42

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3491529.0/16

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 4470090.5/19

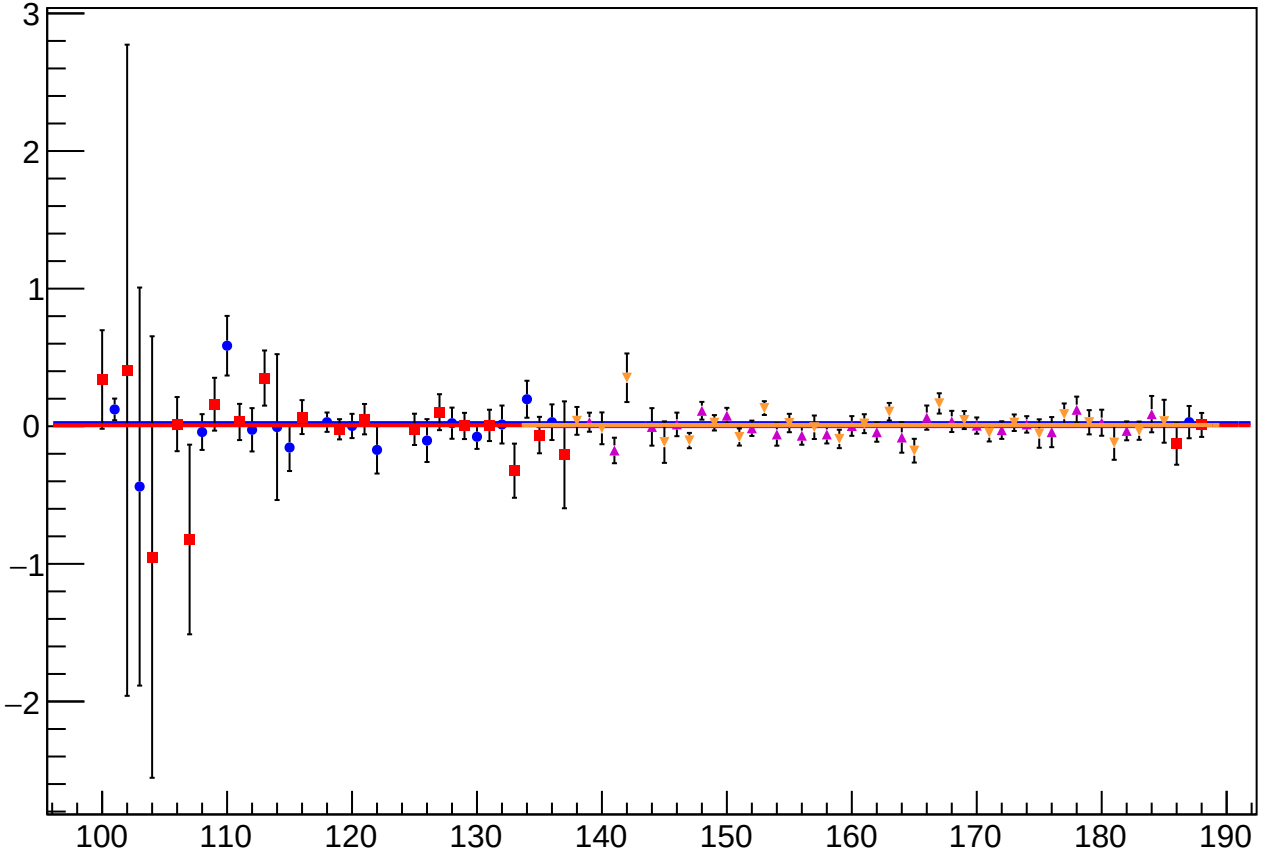
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 17306854.9/40

All: 0.001+/-0.000 χ^2/NDF: 32269302.7/83

- sign 0.001+/-0.000 χ^2/NDF: 14752625.7/42

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.031 χ^2/NDF: 11.7/19

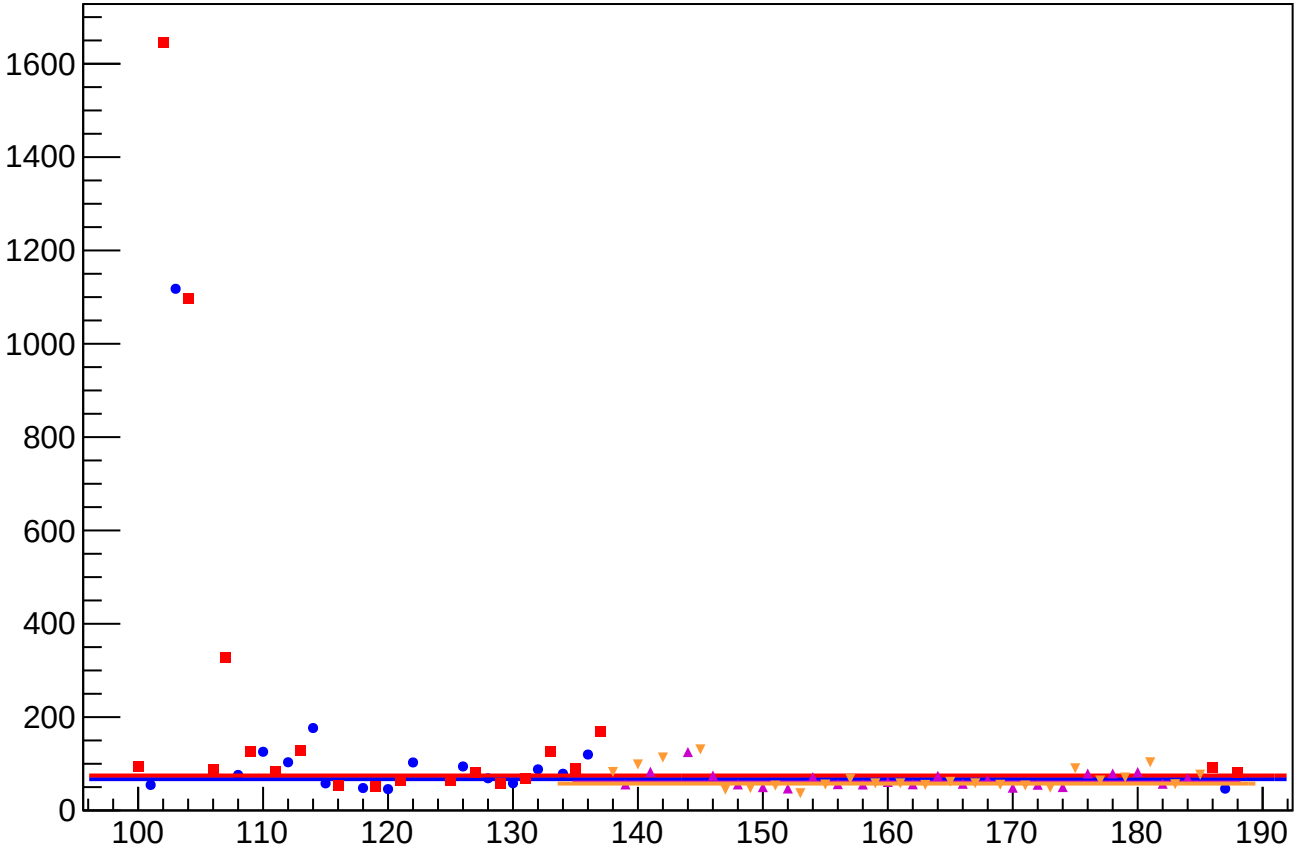
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.013 χ^2/NDF: 49.7/40

All: 0.007+/-0.010 χ^2/NDF: 77.2/83

- sign 0.002+/-0.014 χ^2/NDF: 27.3/42

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.082+/-0.021 χ^2/NDF: 2342487.0/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

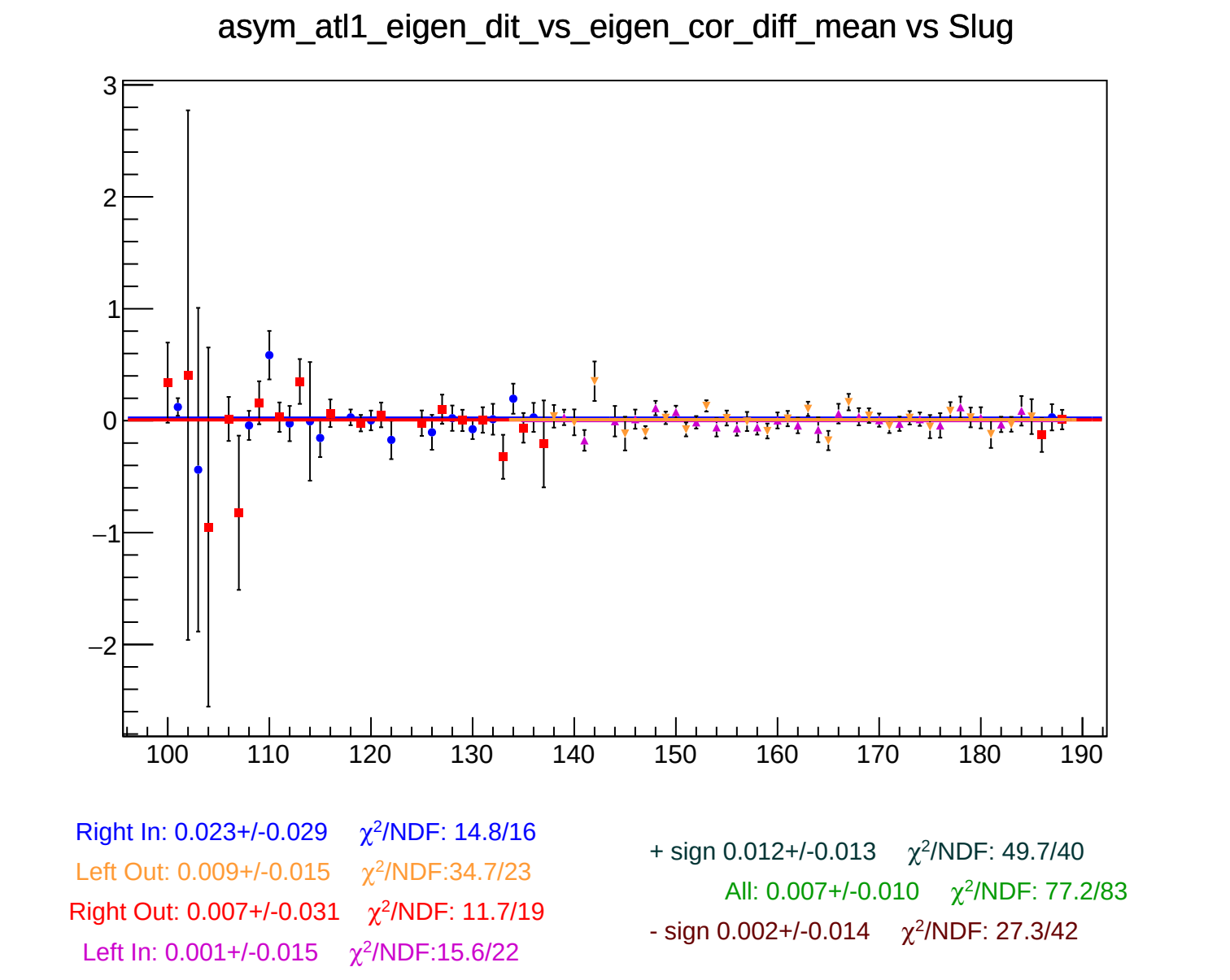
Right Out: 74.880+/-0.022 χ^2/NDF: 2957828.4/19

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

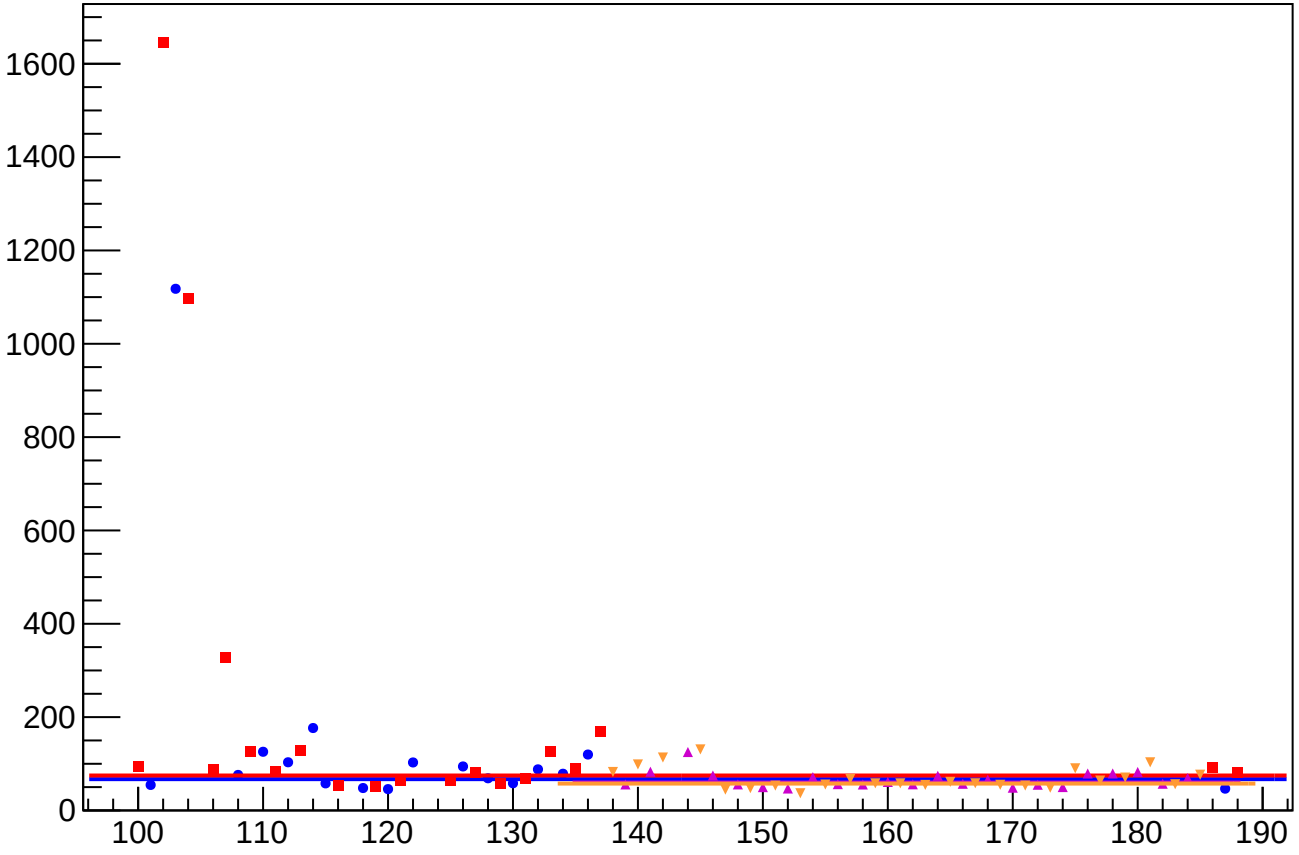
+ sign 59.607+/-0.009 χ^2/NDF: 4721846.8/40

All: 61.204+/-0.007 χ^2/NDF: 9463861.1/83

- sign 62.898+/-0.010 χ^2/NDF: 4683623.9/42


asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.023+/-0.029 χ²/NDF: 14.8/16
Left Out: 0.009+/-0.015 χ²/NDF:34.7/23
Right Out: 0.007+/-0.031 χ²/NDF: 11.7/19
Left In: 0.001+/-0.015 χ²/NDF:15.6/22
+ sign 0.012+/-0.013 χ²/NDF: 49.7/40
All: 0.007+/-0.010 χ²/NDF: 77.2/83
- sign 0.002+/-0.014 χ²/NDF: 27.3/42

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.082+/-0.021 χ^2/NDF: 2342487.0/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.880+/-0.022 χ^2/NDF: 2957828.4/19

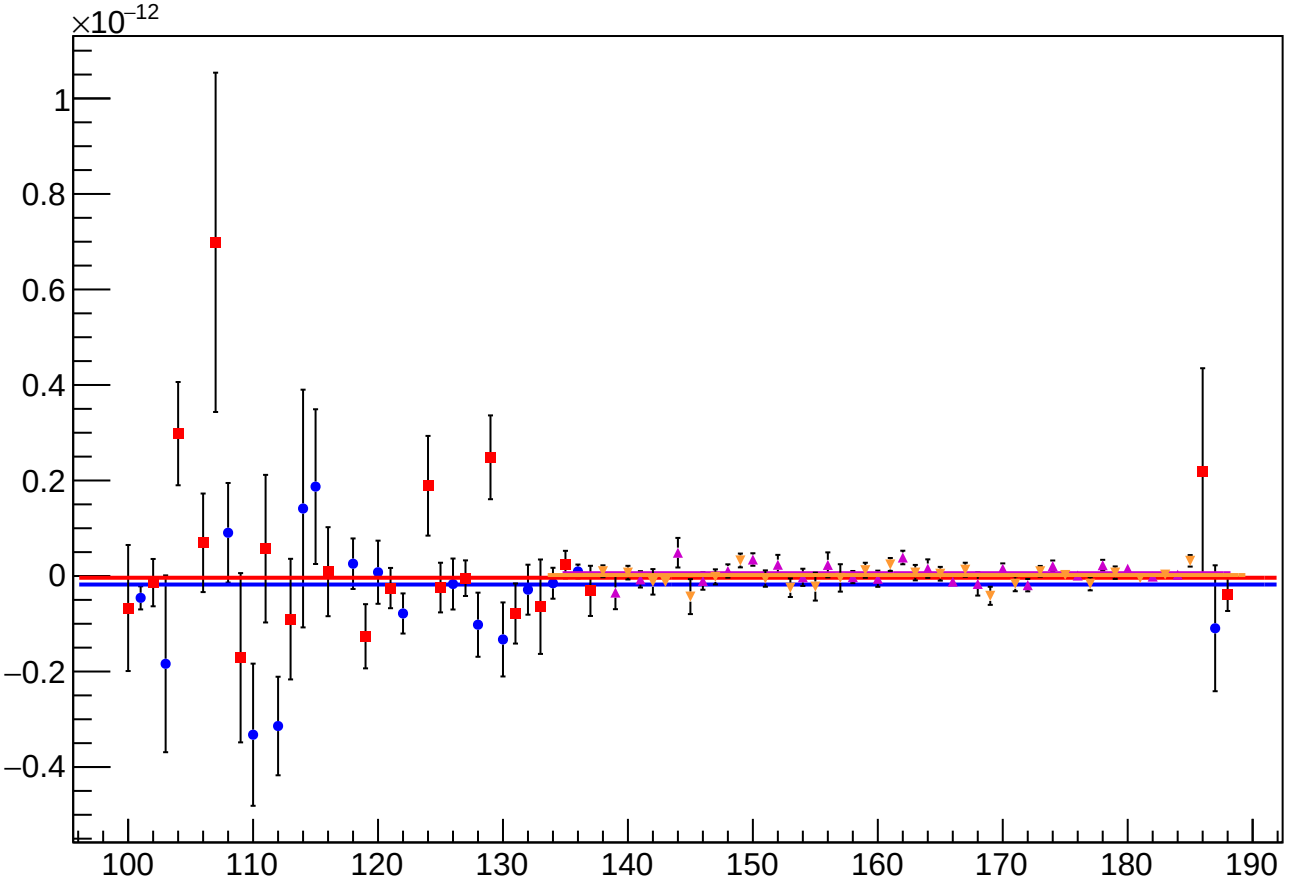
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.607+/-0.009 χ^2/NDF: 4721846.8/40

All: 61.204+/-0.007 χ^2/NDF: 9463861.1/83

- sign 62.898+/-0.010 χ^2/NDF: 4683623.9/42

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

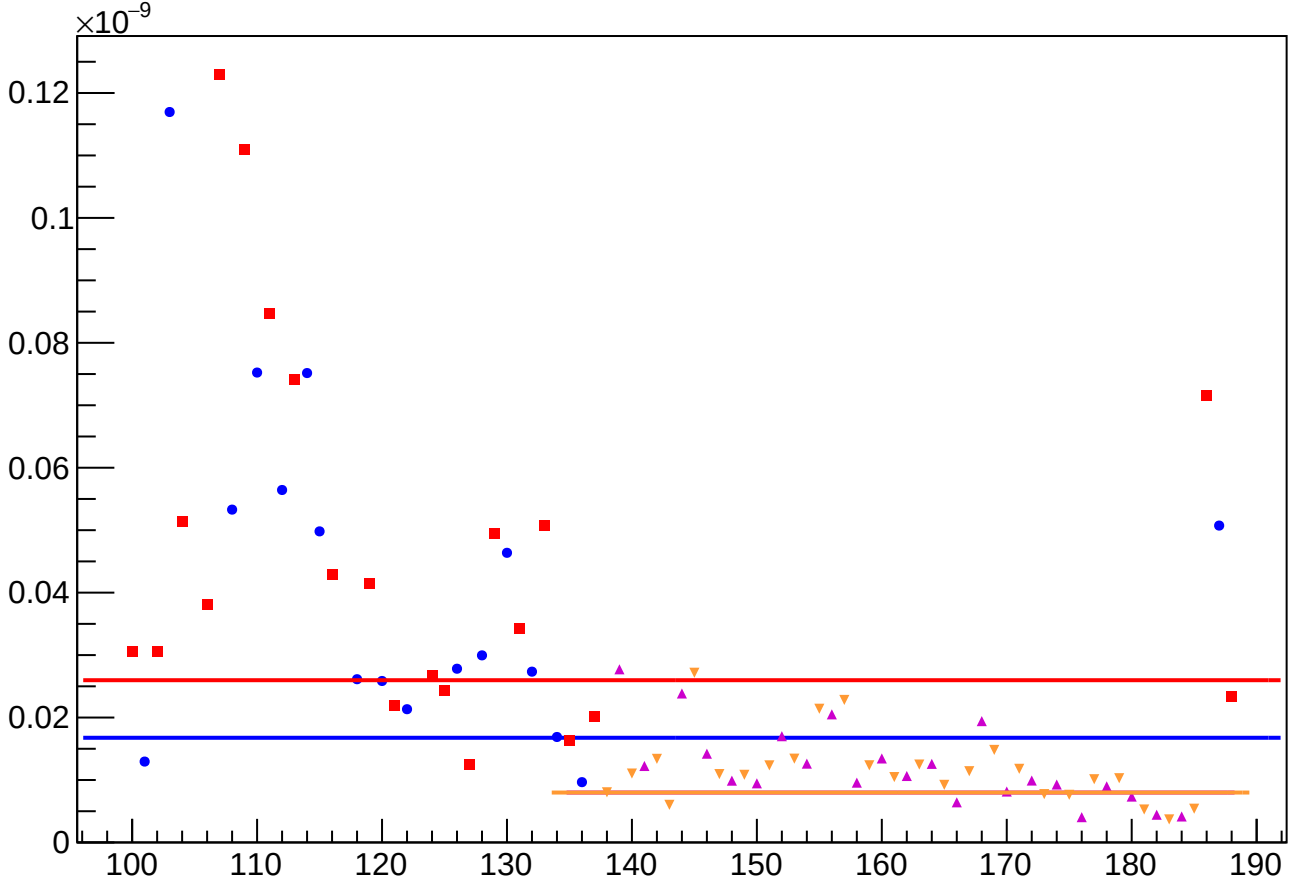
Right Out: -0.000+/-0.000 χ^2/NDF: 34.5/20

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/41

All: 0.000+/-0.000 χ^2/NDF: 133.8/85

- sign 0.000+/-0.000 χ^2/NDF: 67.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 2957020.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2448901.9/20

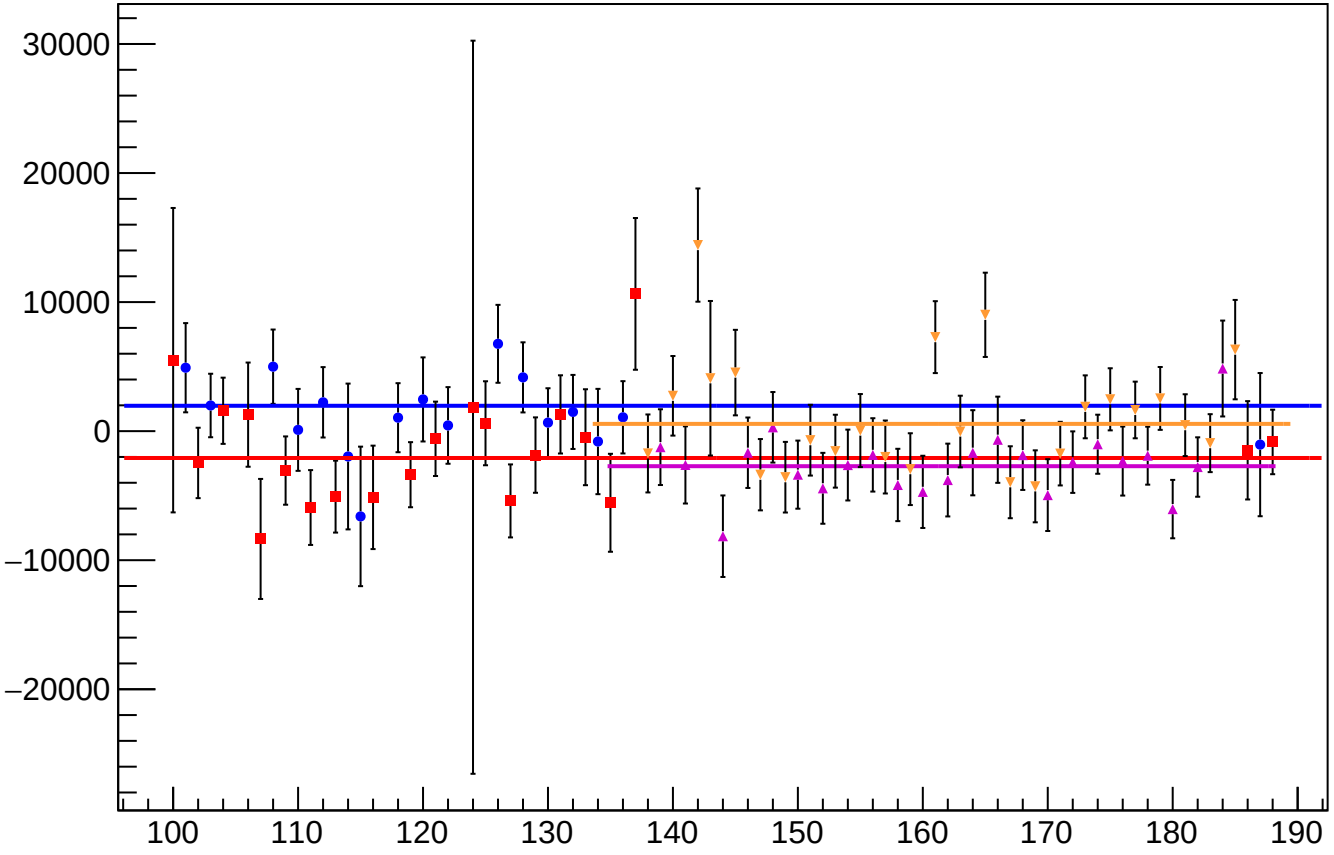
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9306098.6/41

All: 0.000+/-0.000 χ^2/NDF: 20553726.7/85

- sign 0.000+/-0.000 χ^2/NDF: 11244269.1/43

reg_asym_atl2_mean vs Slug



Right In: 1965.551+/-757.205 χ^2/NDF: 9.9/16

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2080.078+/-711.015 χ^2/NDF: 18.4/20

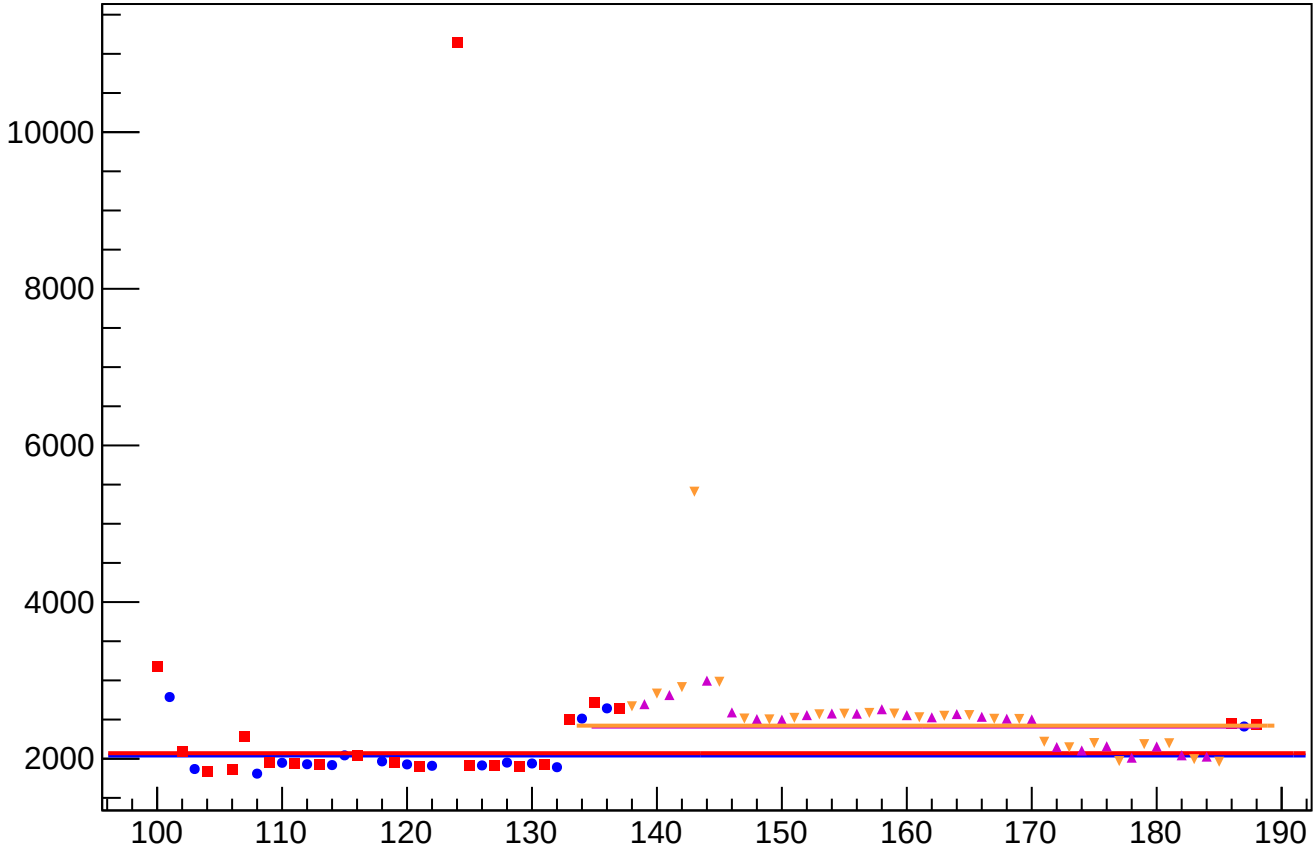
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1055.425+/-448.847 χ^2/NDF: 56.1/41

All: -730.383+/-315.267 χ^2/NDF: 120.5/85

- sign -2469.348+/-442.921 χ^2/NDF: 33.2/43

reg_asym_atl2_rms vs Slug



Right In: 2041.184+/-0.535 χ^2/NDF: 272030.4/16

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2070.494+/-0.503 χ^2/NDF: 462712.7/20

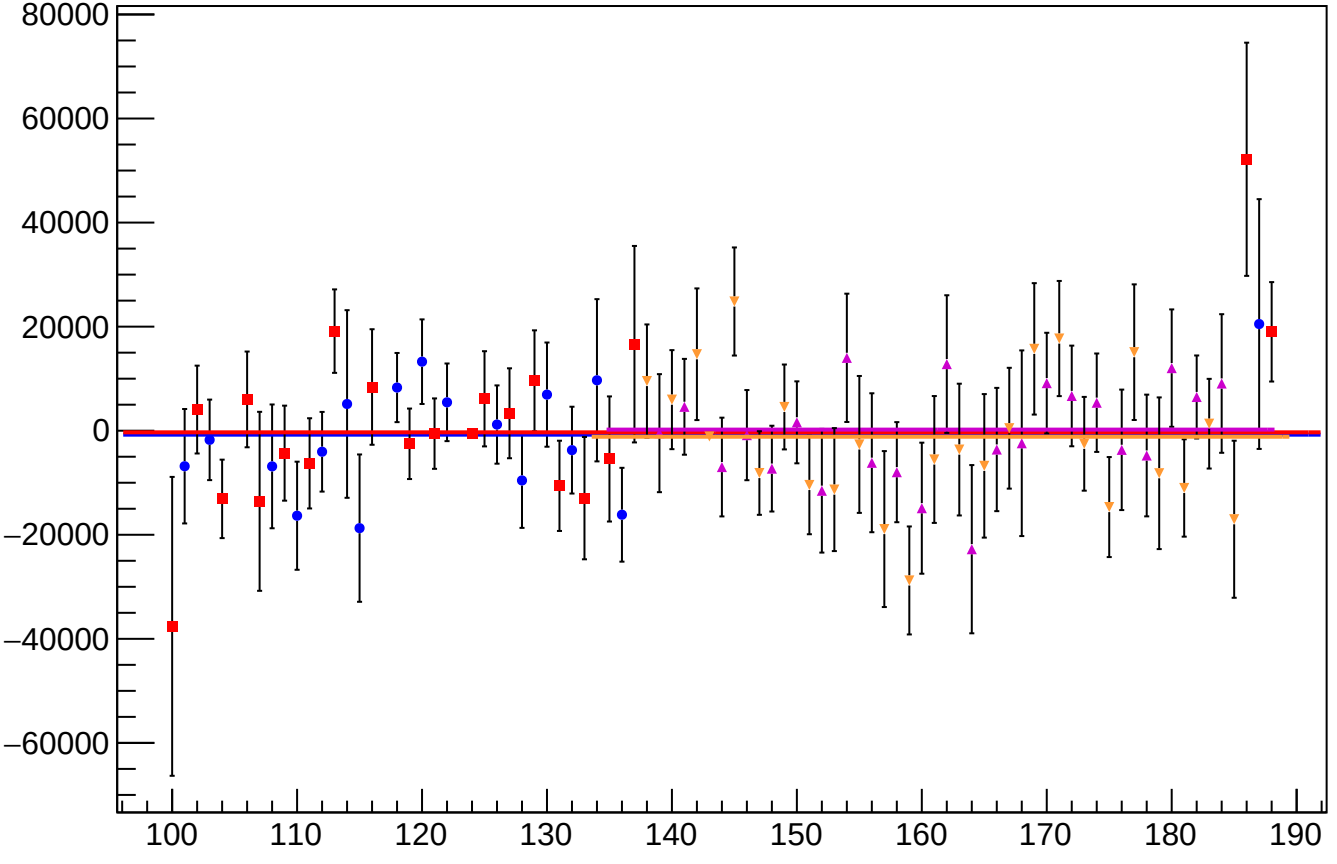
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2288.289+/-0.317 χ^2/NDF: 1553266.1/41

All: 2283.148+/-0.223 χ^2/NDF: 2723612.2/85

- sign 2278.142+/-0.313 χ^2/NDF: 1169828.2/43

asym_atl2_reg_correction_mean vs Slug



Right In: -758.934+/-2268.334 χ^2/NDF: 16.1/16

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -310.753+/-765.368 χ^2/NDF: 28.1/20

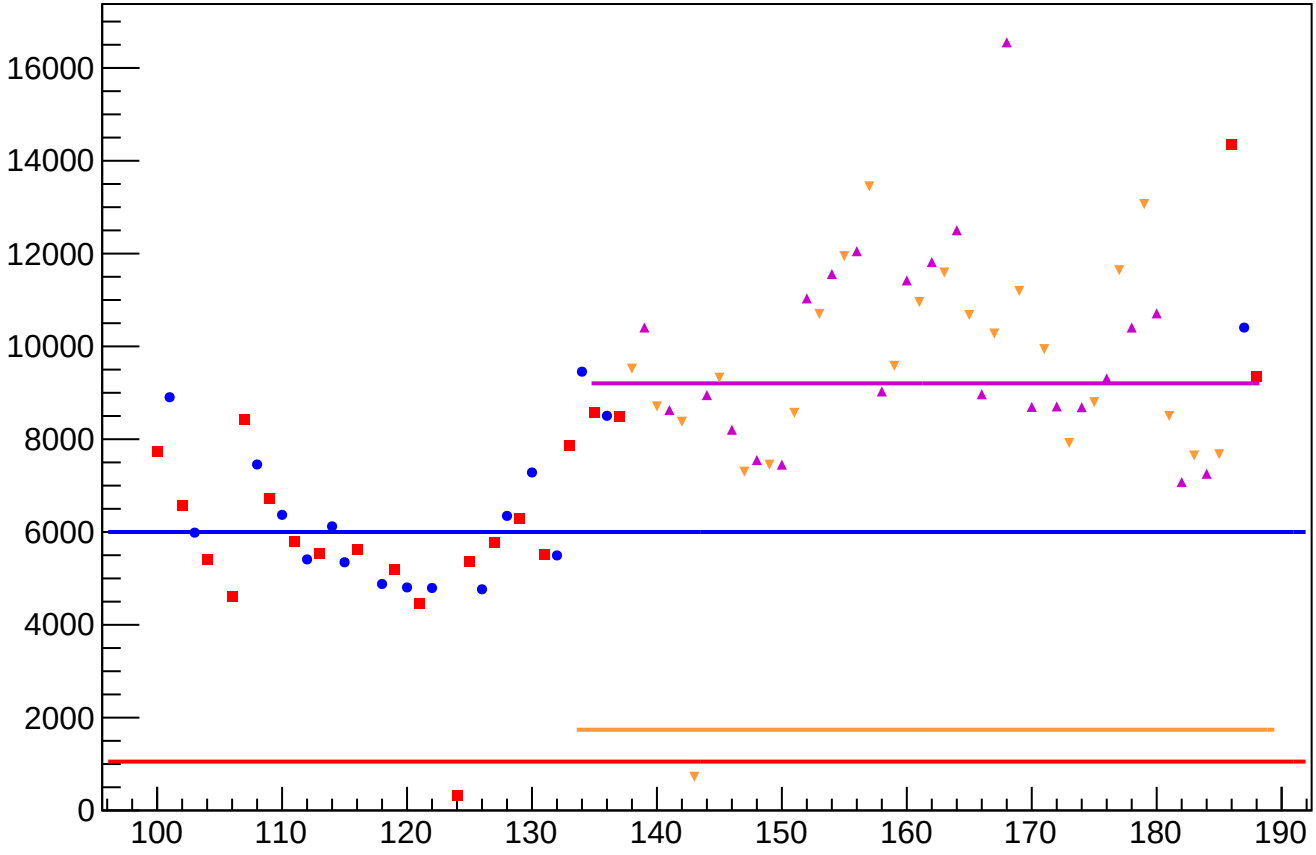
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

\+ sign -1118.125+/-718.749 χ^2/NDF: 48.1/41

All: -688.599+/-509.622 χ^2/NDF: 90.3/85

\- sign -254.342+/-722.696 χ^2/NDF: 41.5/43

asym_atl2_reg_correction_rms vs Slug



Right In: 6000.493+/-1.604 χ^2/NDF: 757220.1/16

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1052.591+/-0.541 χ^2/NDF: 13644799.3/20

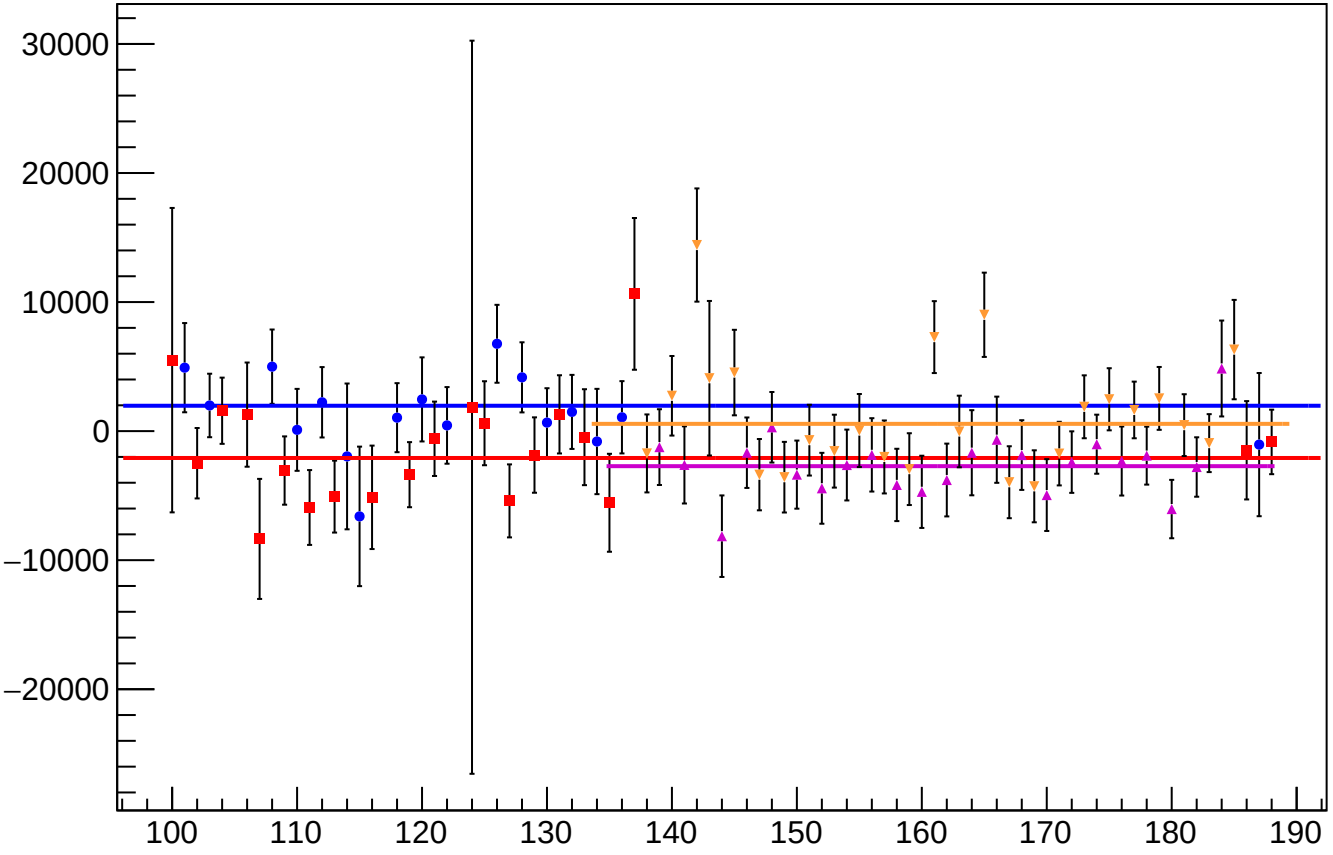
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2167.483+/-0.508 χ^2/NDF: 34839416.2/41

All: 2052.453+/-0.360 χ^2/NDF: 74448749.4/8

- sign 1936.157+/-0.511 χ^2/NDF: 39506315.9/43

cor_asym_atl2_mean vs Slug



Right In: 1965.667+/-757.205 χ^2/NDF: 9.9/16

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2081.698+/-711.021 χ^2/NDF: 18.4/20

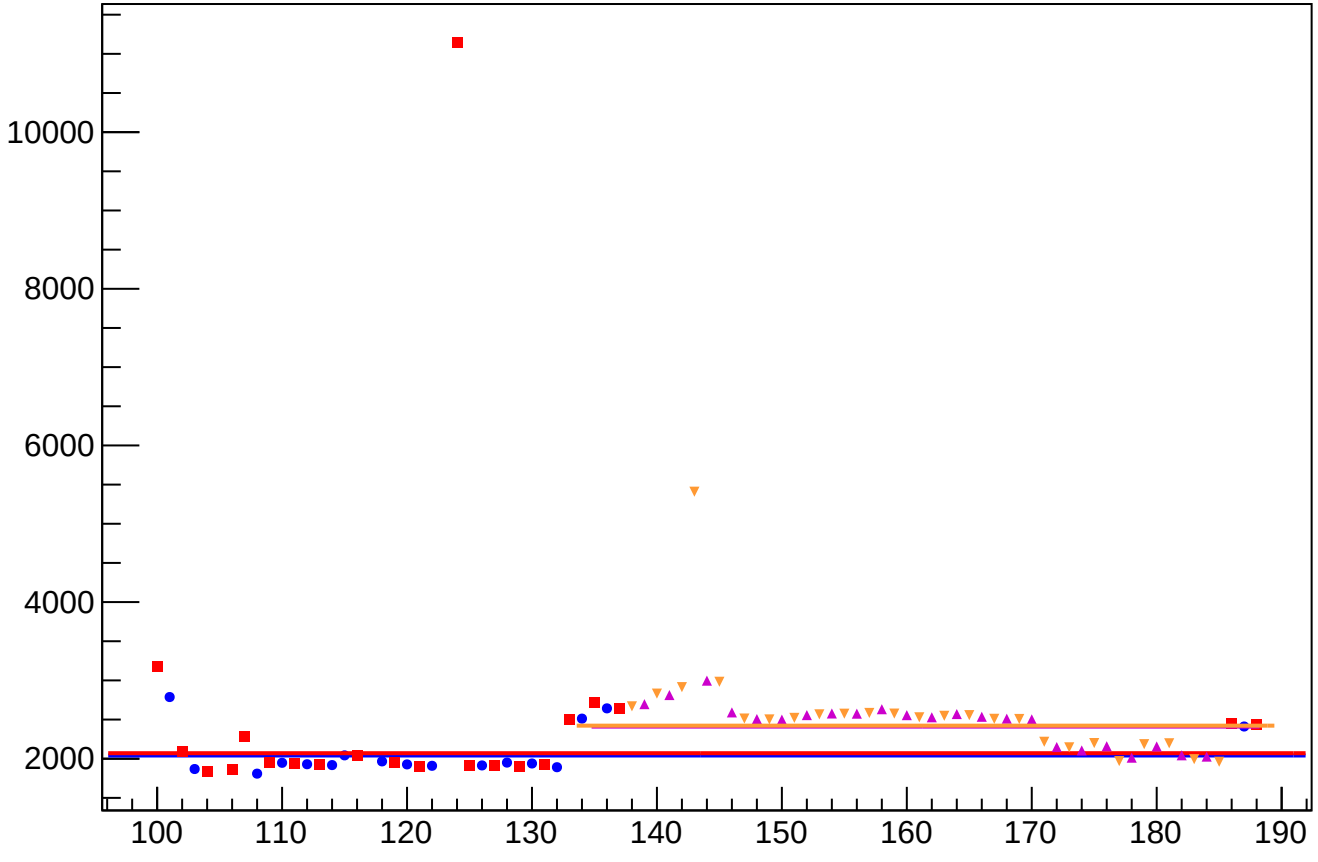
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1055.467+/-448.847 χ^2/NDF: 56.1/41

All: -730.664+/-315.268 χ^2/NDF: 120.6/85

- sign -2469.957+/-442.923 χ^2/NDF: 33.2/43

cor_asym_atl2_rms vs Slug



Right In: 2041.184+/-0.535 χ^2/NDF: 272030.2/16

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2070.514+/-0.503 χ^2/NDF: 462716.8/20

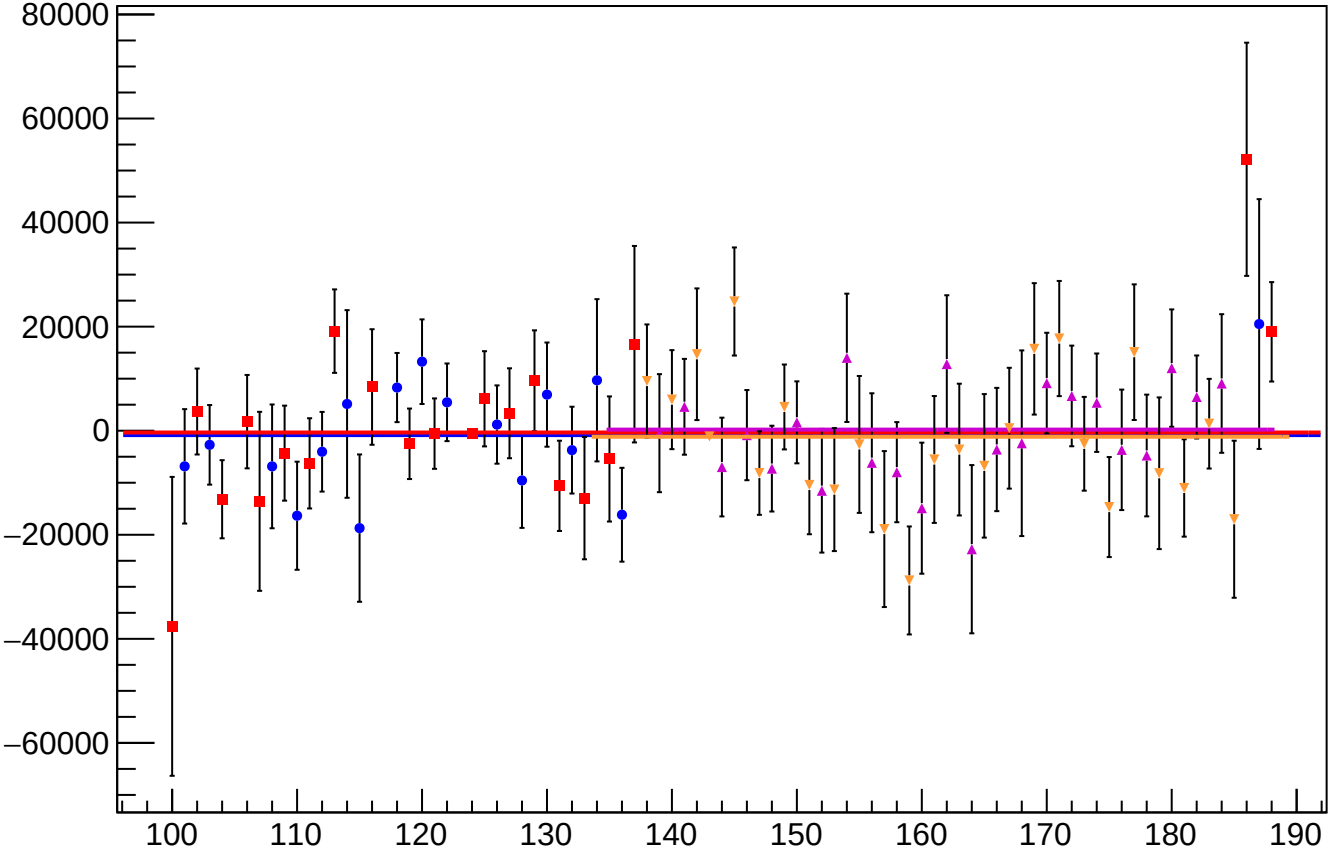
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2288.289+/-0.317 χ^2/NDF: 1553266.2/41

All: 2283.153+/-0.223 χ^2/NDF: 2723579.8/85

- sign 2278.151+/-0.313 χ^2/NDF: 1169796.6/43

asym_atl2_cor_correction_mean vs Slug



Right In: -845.973+/-2266.014 χ^2/NDF: 16.2/16

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -343.978+/-765.032 χ^2/NDF: 27.7/20

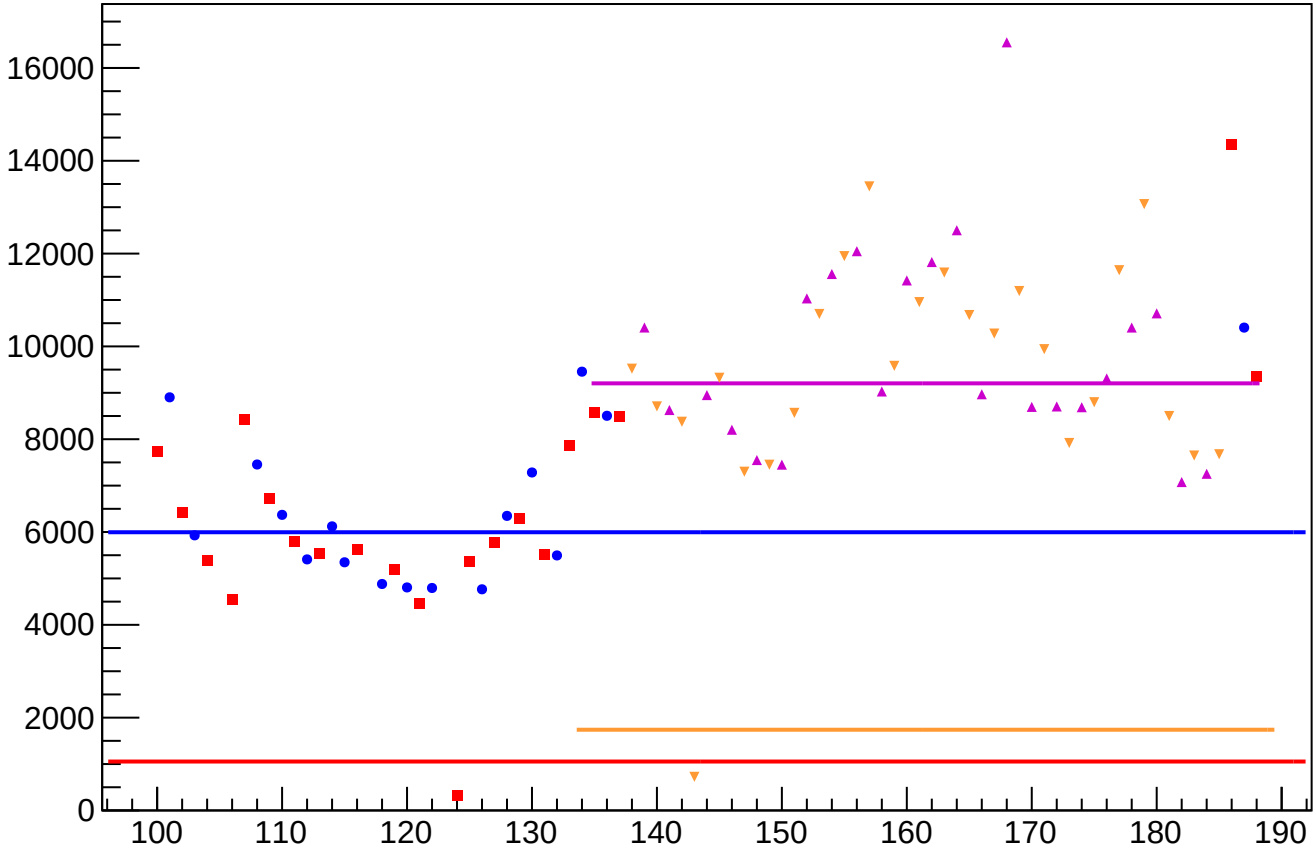
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

\+ sign -1126.596+/-718.620 χ^2/NDF: 48.1/41

All: -707.530+/-509.477 χ^2/NDF: 90.0/85

\- sign -284.029+/-722.413 χ^2/NDF: 41.1/43

asym_atl2_cor_correction_rms vs Slug



Right In: 5995.295+/-1.602 χ^2/NDF: 757253.5/16

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1054.245+/-0.541 χ^2/NDF: 13640155.3/20

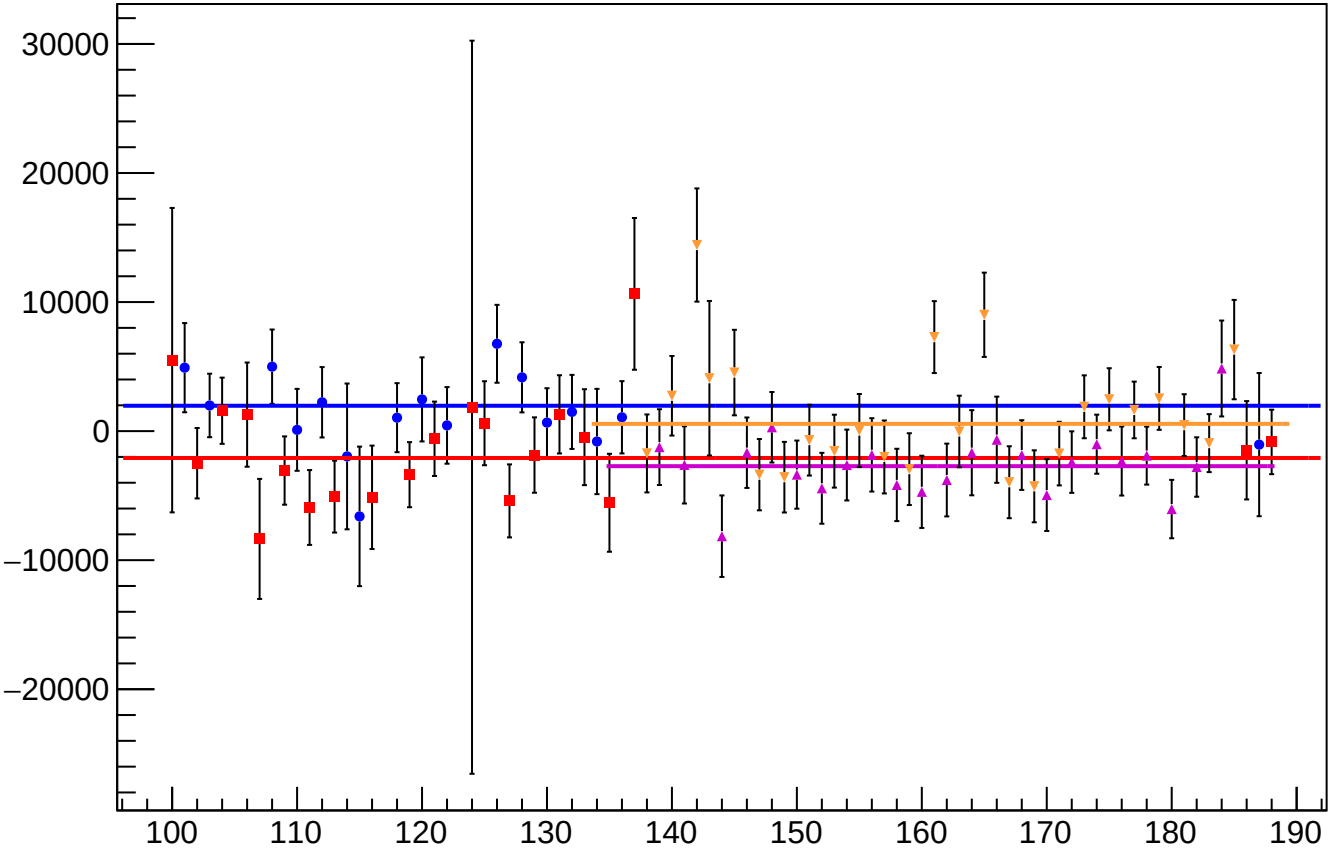
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2167.472+/-0.508 χ^2/NDF: 34837490.5/41

All: 2052.814+/-0.360 χ^2/NDF: 74433870.9/8

- sign 1936.942+/-0.511 χ^2/NDF: 39494012.5/43

eigen_cor_asym_atl2_mean vs Slug



Right In: 1965.667+/-757.205 χ^2/NDF: 9.9/16

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2081.698+/-711.021 χ^2/NDF: 18.4/20

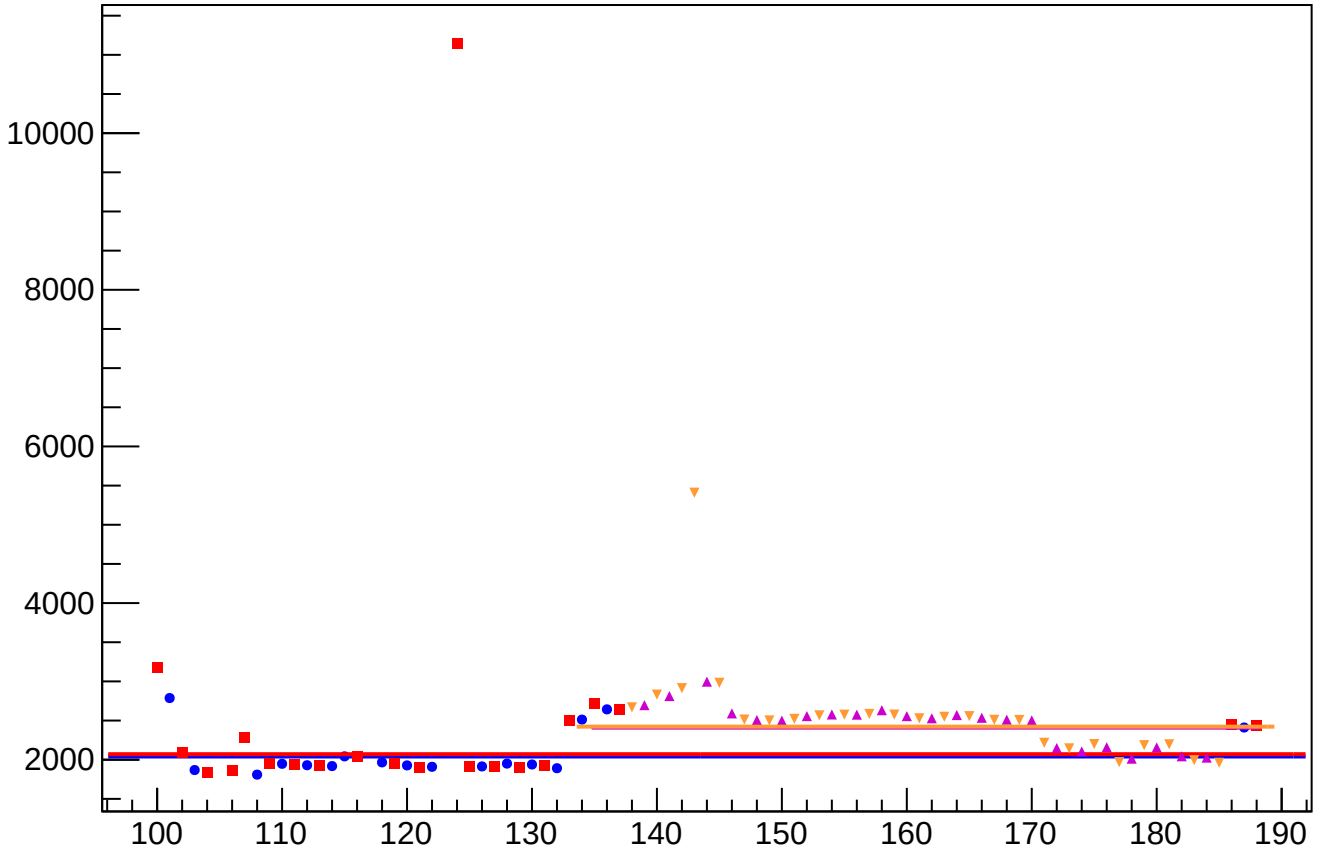
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1055.467+/-448.847 χ^2/NDF: 56.1/41

All: -730.664+/-315.268 χ^2/NDF: 120.6/85

- sign -2469.957+/-442.923 χ^2/NDF: 33.2/43

eigen_cor_asym_atl2_rms vs Slug



Right In: 2041.184+/-0.535 χ^2/NDF: 272030.2/16

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2070.514+/-0.503 χ^2/NDF: 462716.8/20

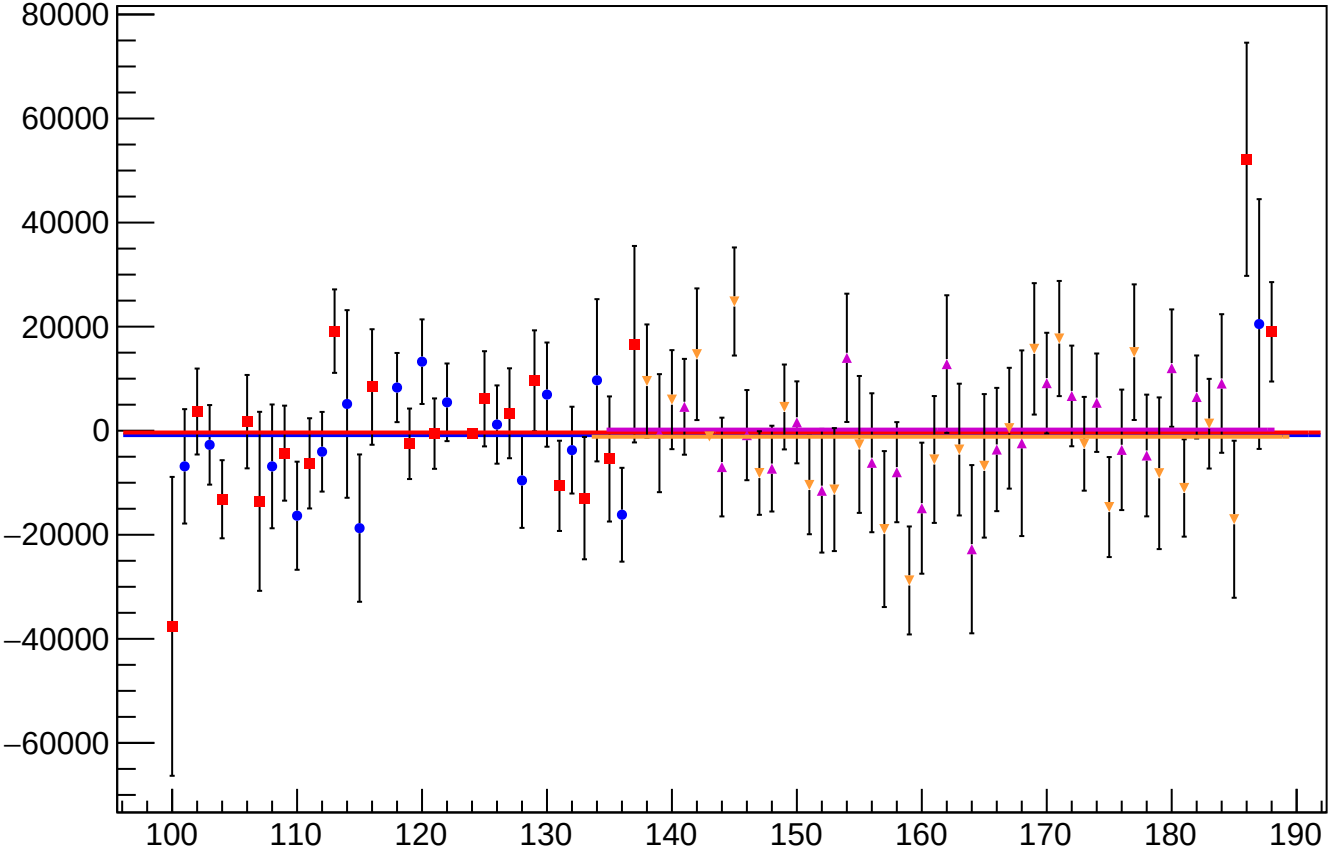
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2288.289+/-0.317 χ^2/NDF: 1553266.2/41

All: 2283.153+/-0.223 χ^2/NDF: 2723579.8/85

- sign 2278.151+/-0.313 χ^2/NDF: 1169796.6/43

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -845.973+/-2266.014 χ^2/NDF: 16.2/16

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -343.978+/-765.032 χ^2/NDF: 27.7/20

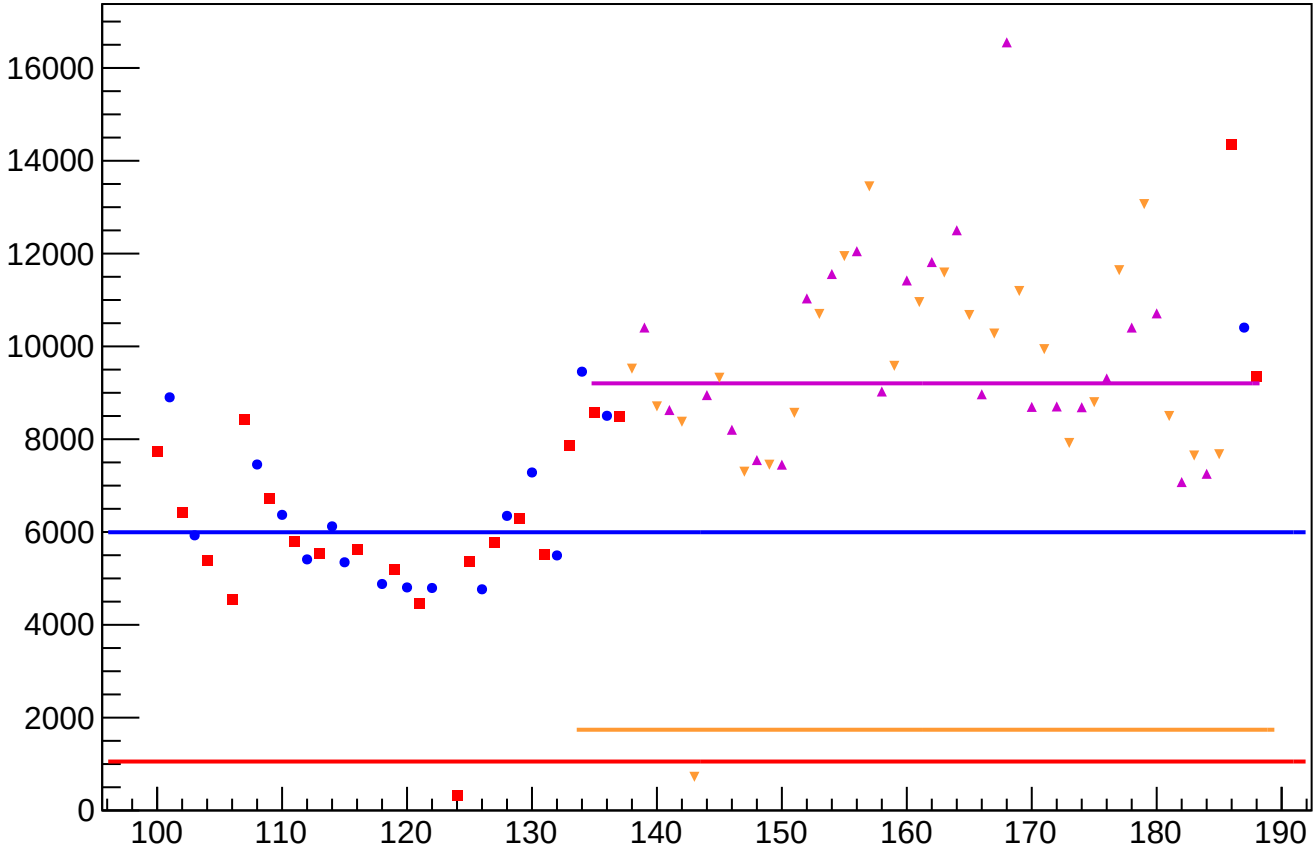
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

\+ sign -1126.596+/-718.620 χ^2/NDF: 48.1/41

All: -707.530+/-509.477 χ^2/NDF: 90.0/85

\- sign -284.029+/-722.413 χ^2/NDF: 41.1/43

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5995.295+/-1.602 χ^2/NDF: 757253.5/16

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1054.245+/-0.541 χ^2/NDF: 13640155.3/20

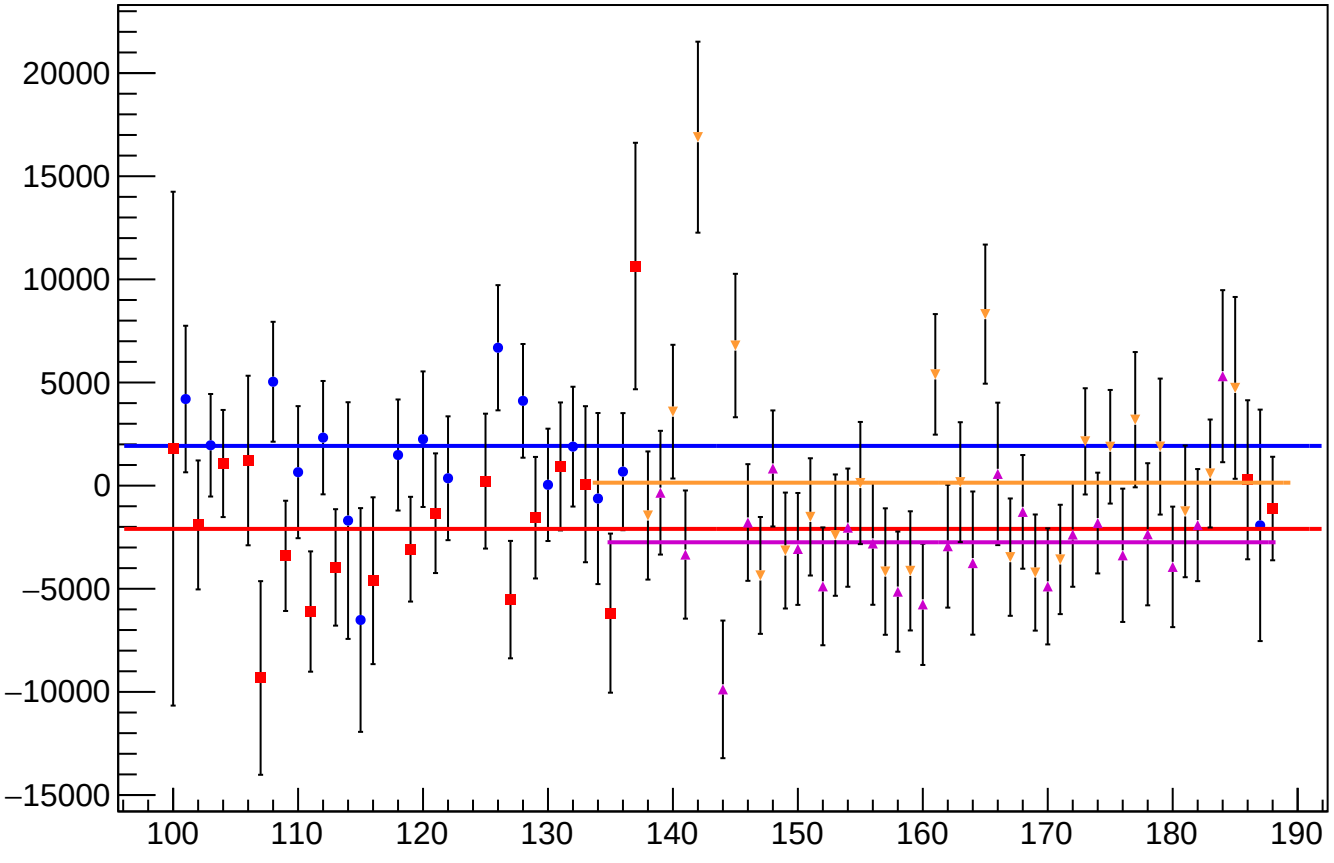
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2167.472+/-0.508 χ^2/NDF: 34837490.5/41

All: 2052.814+/-0.360 χ^2/NDF: 74433870.9/8

- sign 1936.942+/-0.511 χ^2/NDF: 39494012.5/43

dit_asym_atl2_mean vs Slug



Right In: 1926.016+/-766.290 χ^2/NDF: 9.5/16

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2097.307+/-724.136 χ^2/NDF: 17.3/19

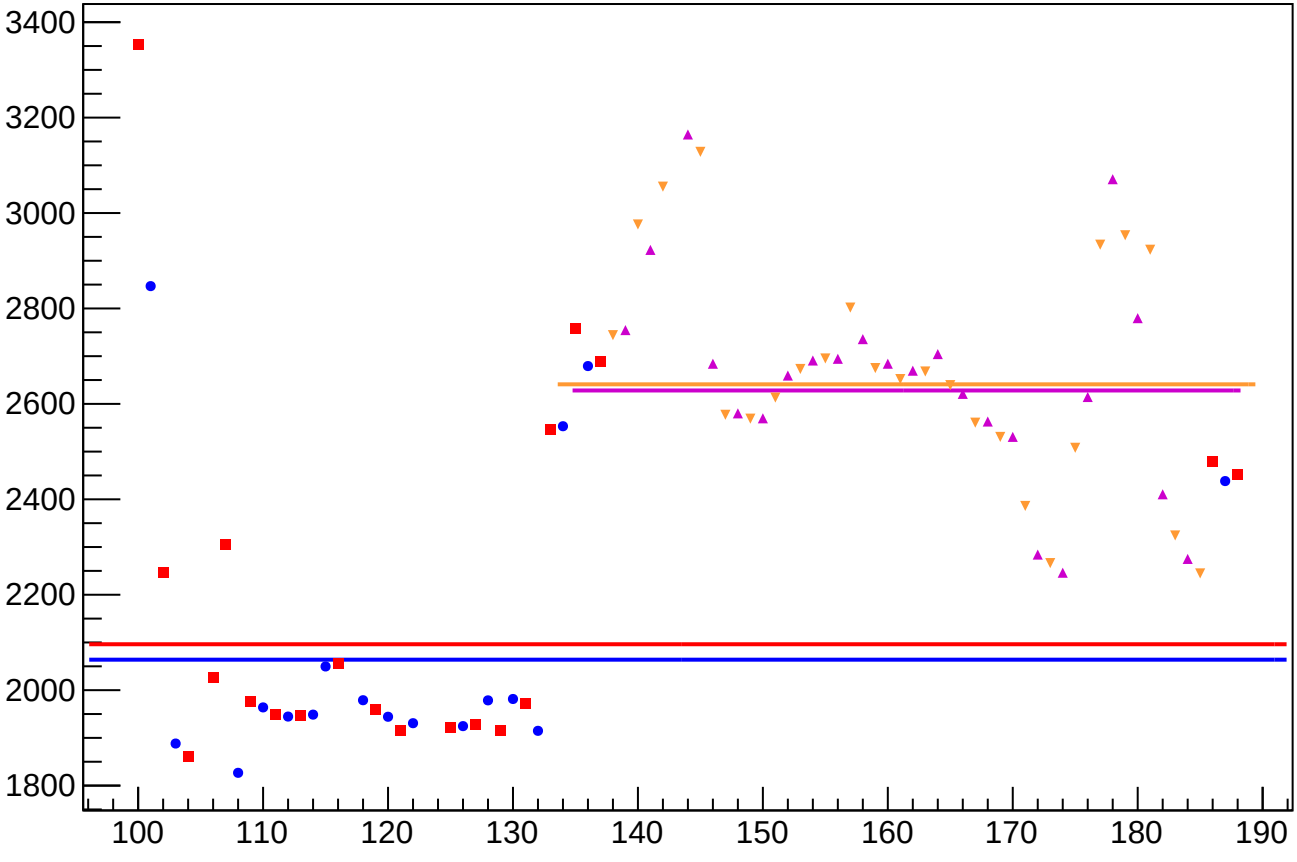
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 842.236+/-479.979 χ^2/NDF: 58.6/40

All: -853.134+/-335.540 χ^2/NDF: 116.1/83

- sign -2473.585+/-469.254 χ^2/NDF: 33.1/42

dit_asym_atl2_rms vs Slug



Right In: 2063.910+/-0.542 χ^2/NDF: 279525.6/16

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2096.258+/-0.511 χ^2/NDF: 264673.0/19

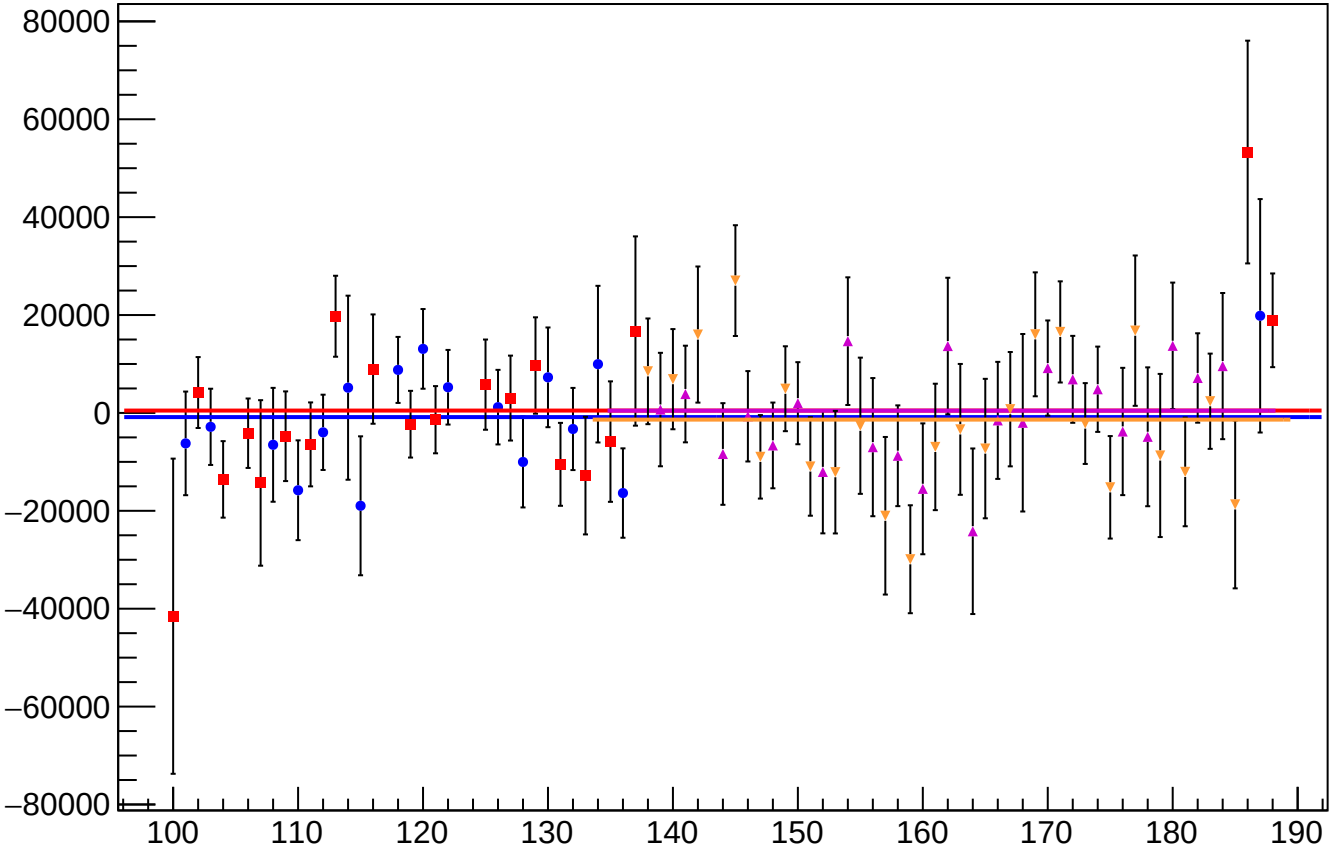
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2414.581+/-0.339 χ^2/NDF: 1222181.9/40

All: 2409.386+/-0.237 χ^2/NDF: 2351619.6/83

- sign 2404.427+/-0.332 χ^2/NDF: 1128979.8/42

asym_atl2_dit_correction_mean vs Slug



Right In: -850.890+/-2284.057 χ^2/NDF: 16.1/16

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 482.836+/-2089.725 χ^2/NDF: 27.9/19

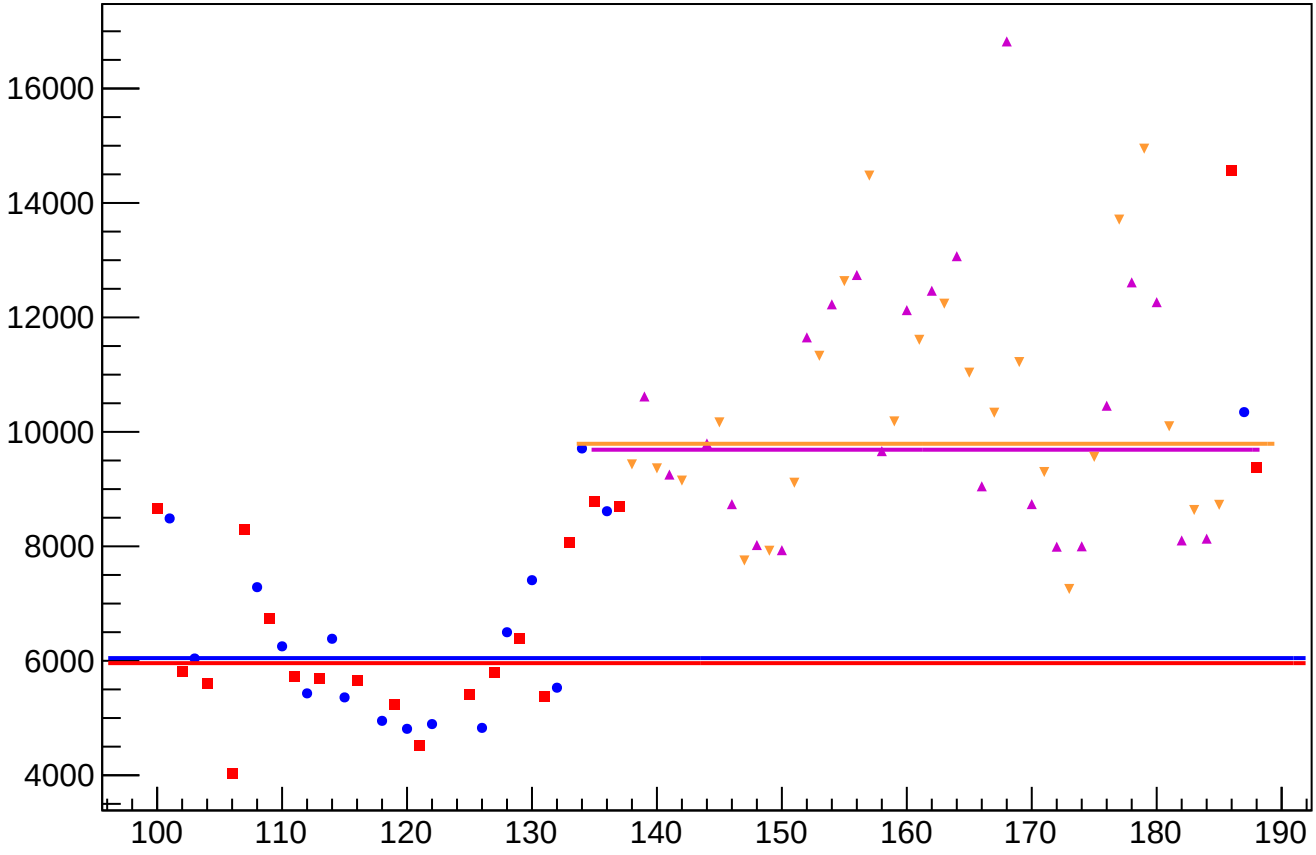
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -1104.139+/-1629.798 χ^2/NDF: 47.4/40

All: -275.877+/-1123.565 χ^2/NDF: 88.8/83

- sign 474.276+/-1551.047 χ^2/NDF: 41.0/42

asym_atl2_dit_correction_rms vs Slug



Right In: 6047.222+/-1.615 χ^2/NDF: 719575.2/16

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 5958.986+/-1.478 χ^2/NDF: 1102810.0/19

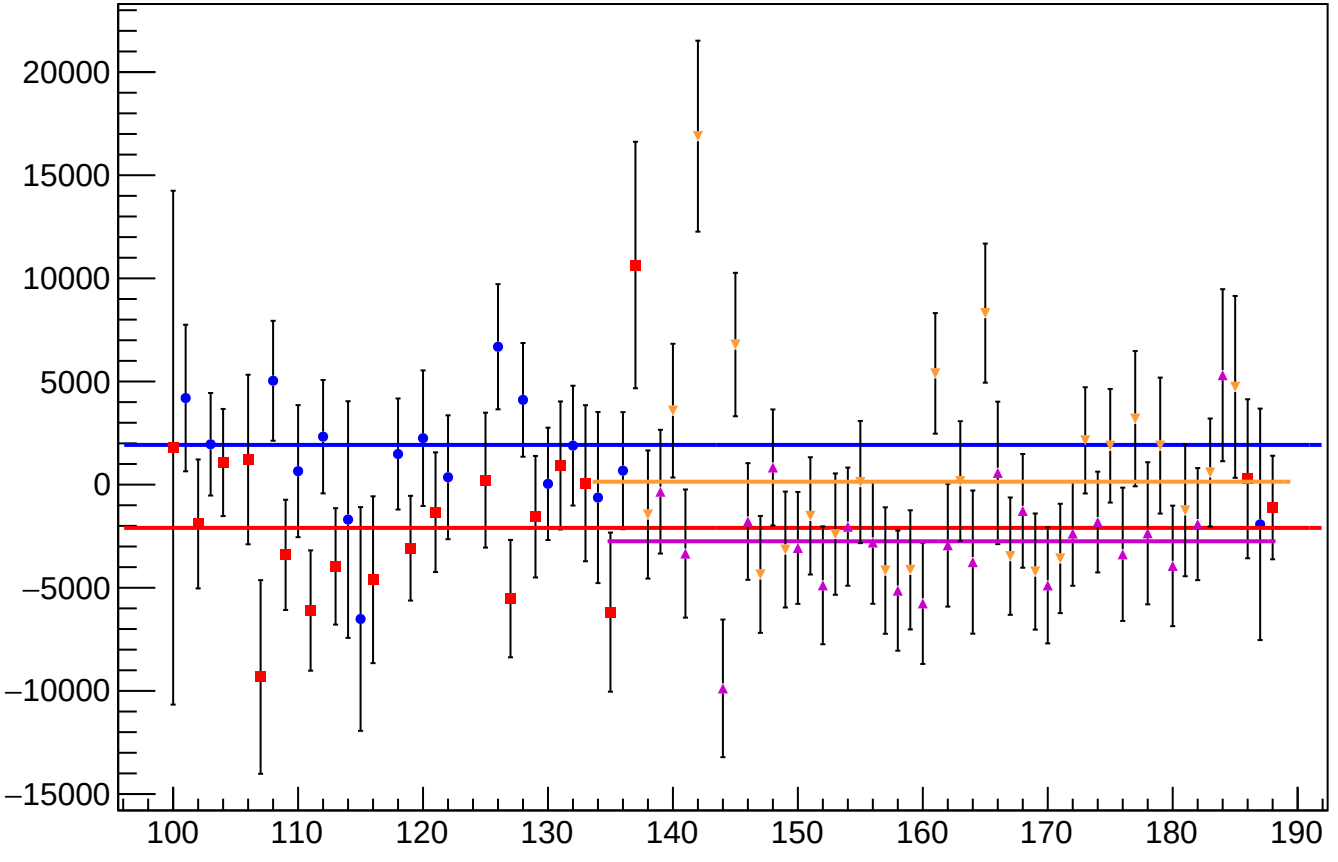
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 7885.425+/-1.152 χ^2/NDF: 4577780.0/40

All: 7753.371+/-0.794 χ^2/NDF: 9944177.8/83

- sign 7633.770+/-1.097 χ^2/NDF: 5341375.9/42

eigen_dit_asym_atl2_mean vs Slug



Right In: 1926.022+/-766.290 χ^2/NDF: 9.5/16

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2097.313+/-724.136 χ^2/NDF: 17.3/19

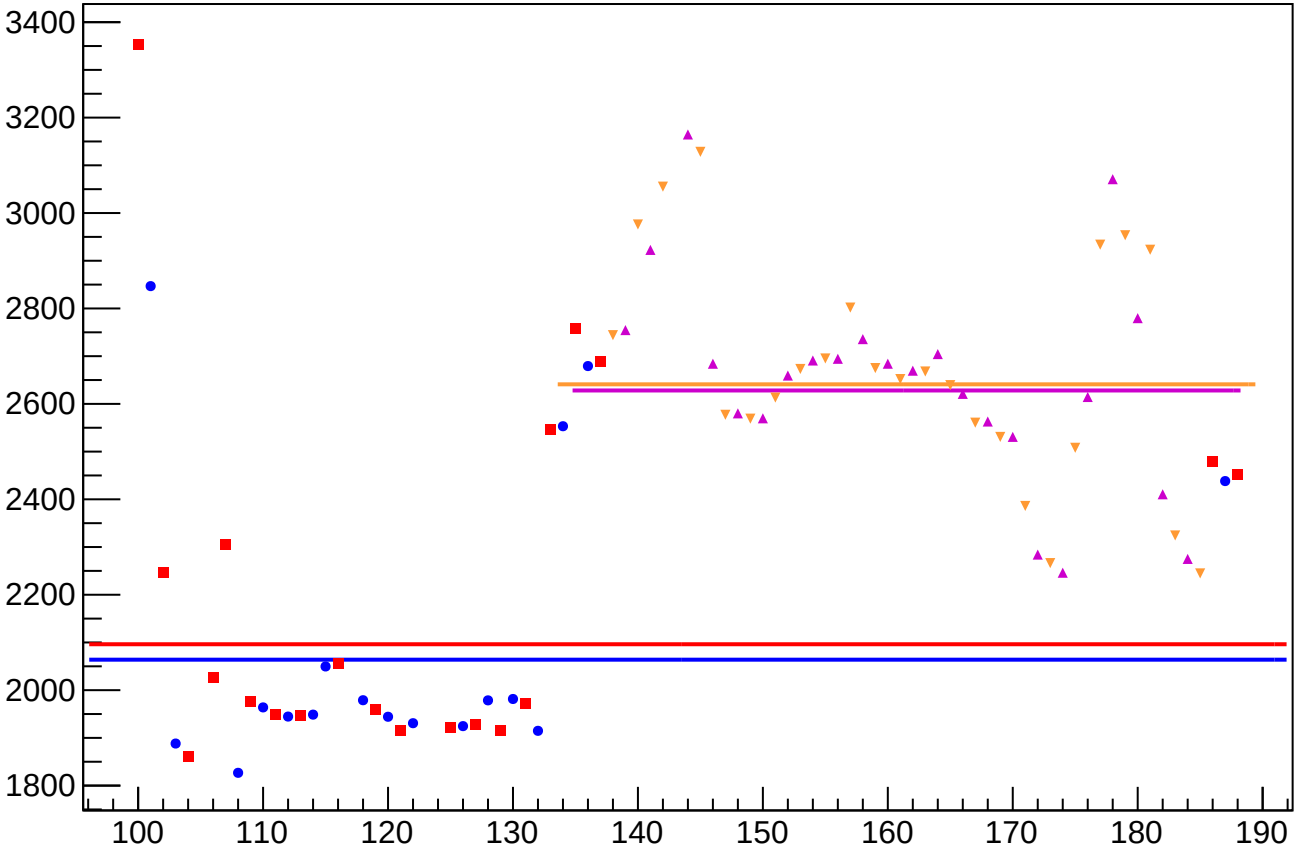
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 842.234+/-479.980 χ^2/NDF: 58.6/40

All: -853.136+/-335.541 χ^2/NDF: 116.1/83

- sign -2473.586+/-469.254 χ^2/NDF: 33.1/42

eigen_dit_asym_atl2_rms vs Slug



Right In: 2063.910+/-0.542 χ^2/NDF: 279525.6/16

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2096.258+/-0.511 χ^2/NDF: 264673.0/19

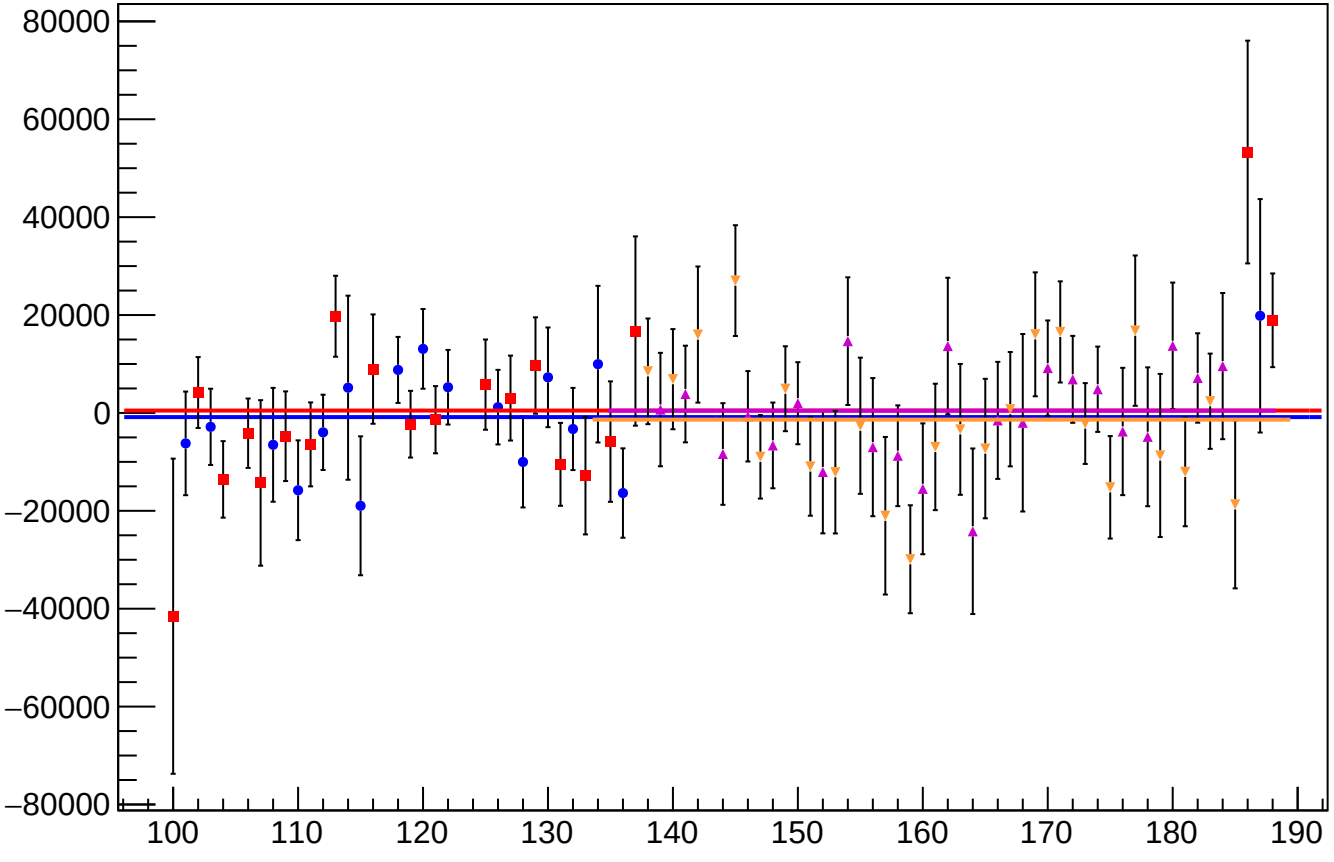
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2414.582+/-0.339 χ^2/NDF: 1222195.8/40

All: 2409.387+/-0.237 χ^2/NDF: 2351648.2/83

- sign 2404.428+/-0.332 χ^2/NDF: 1128994.4/42

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -850.879+/-2284.050 χ^2/NDF: 16.1/16

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 482.824+/-2089.719 χ^2/NDF: 27.9/19

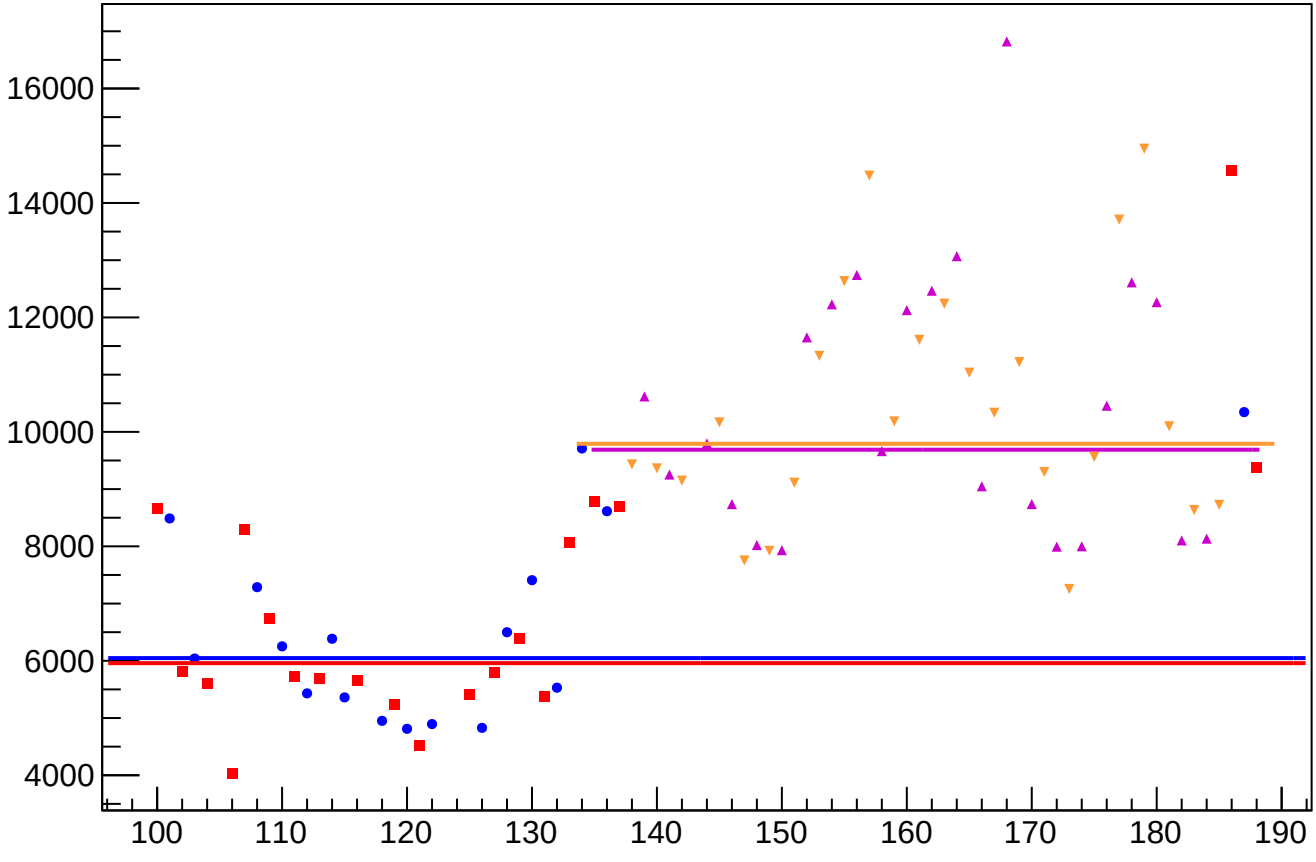
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -1104.137+/-1629.797 χ^2/NDF: 47.4/40

All: -275.879+/-1123.564 χ^2/NDF: 88.8/83

- sign 474.270+/-1551.046 χ^2/NDF: 41.0/42

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6047.202+/-1.615 χ^2/NDF: 719584.4/16

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 5958.968+/-1.478 χ^2/NDF: 1102818.5/19

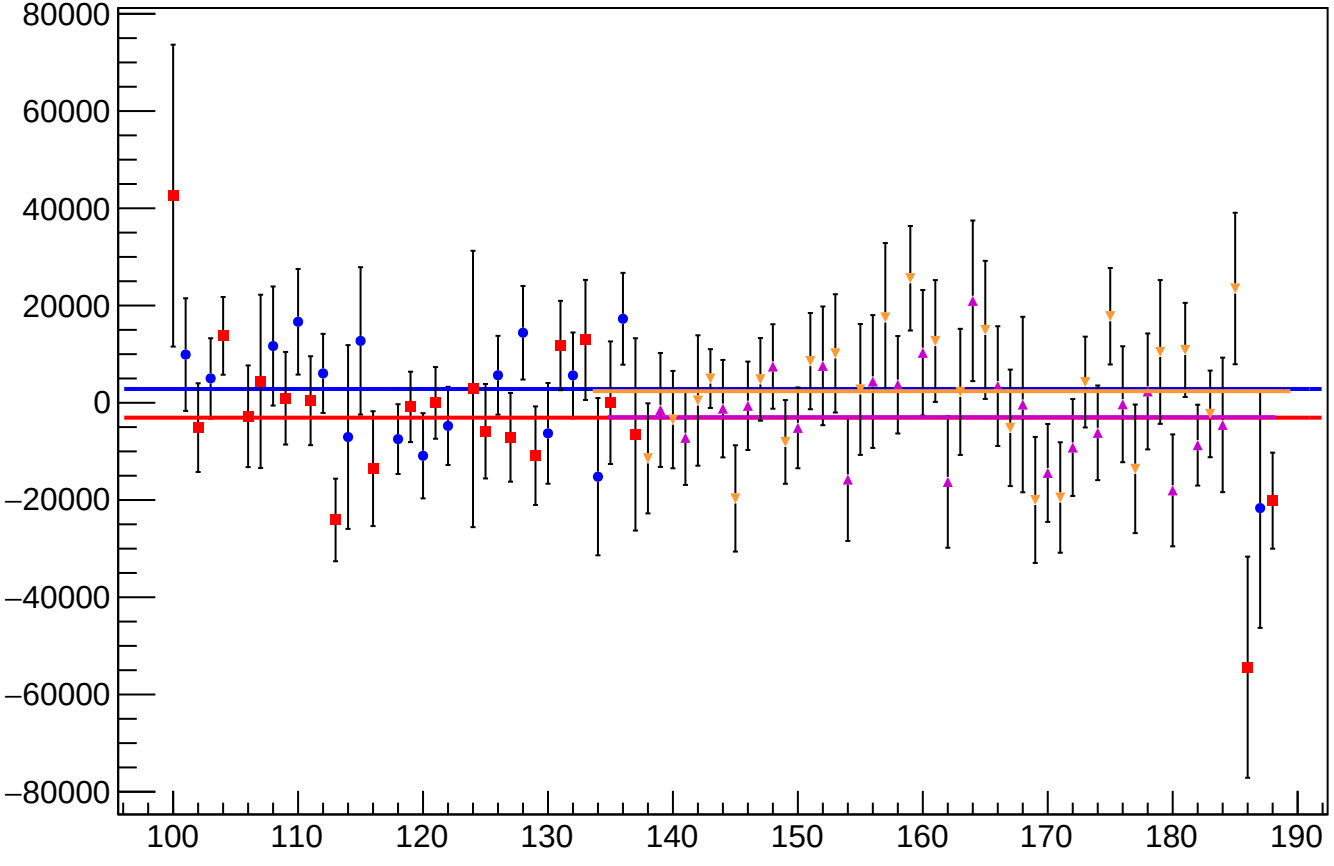
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 7885.415+/-1.152 χ^2/NDF: 4577844.2/40

All: 7753.361+/-0.794 χ^2/NDF: 9944304.3/83

- sign 7633.760+/-1.097 χ^2/NDF: 5341438.1/42

asym_atl2_mean vs Slug



Right In: 2834.003+/-2409.127 χ^2/NDF: 15.9/16

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -3062.909+/-2261.910 χ^2/NDF: 27.7/20

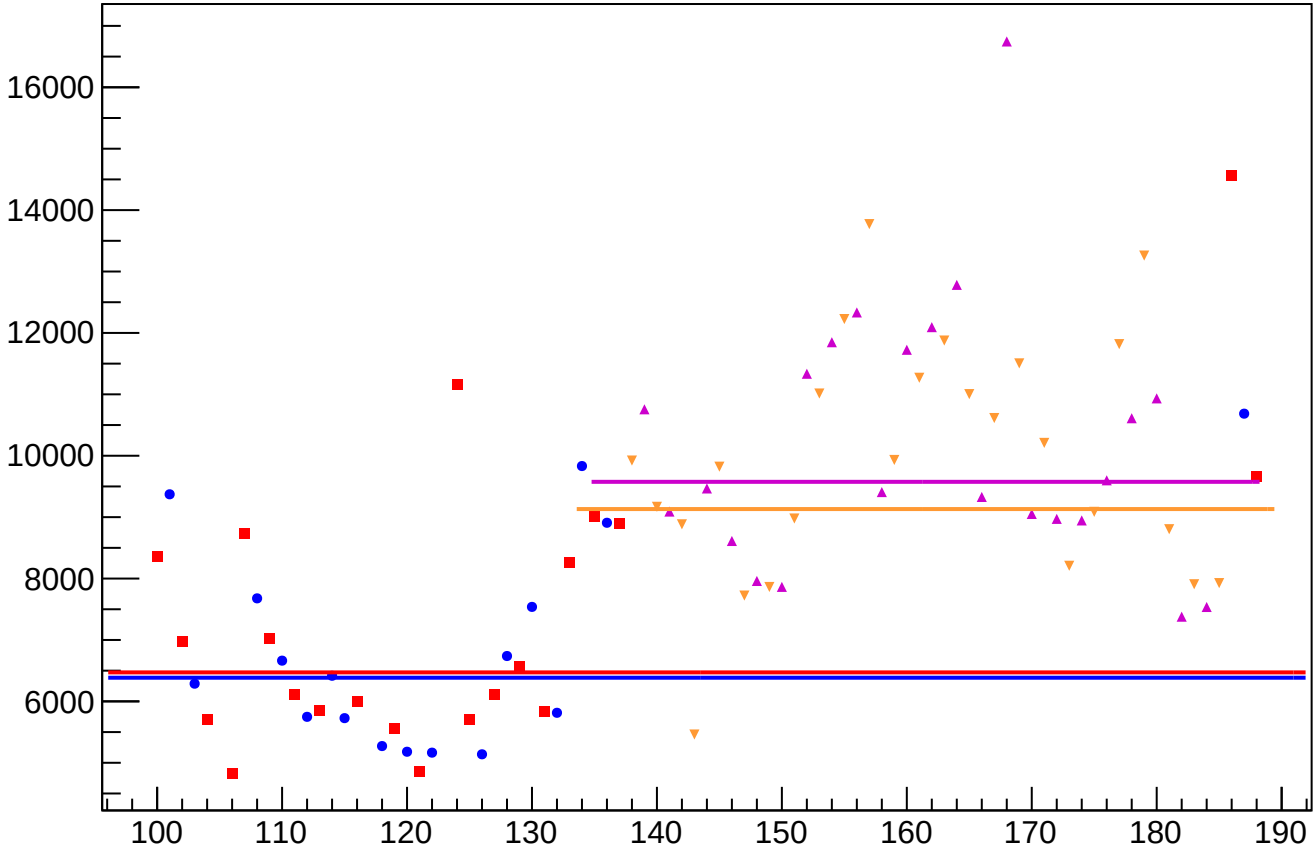
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

\+ sign 2584.271+/-1598.481 χ^2/NDF: 45.6/41

All: -202.583+/-1132.733 χ^2/NDF: 92.4/85

\- sign -3013.596+/-1605.394 χ^2/NDF: 40.7/43

asym_atl2_rms vs Slug



Right In: 6385.285+/-1.704 χ^2/NDF: 682716.4/16

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 6472.012+/-1.599 χ^2/NDF: 959482.5/20

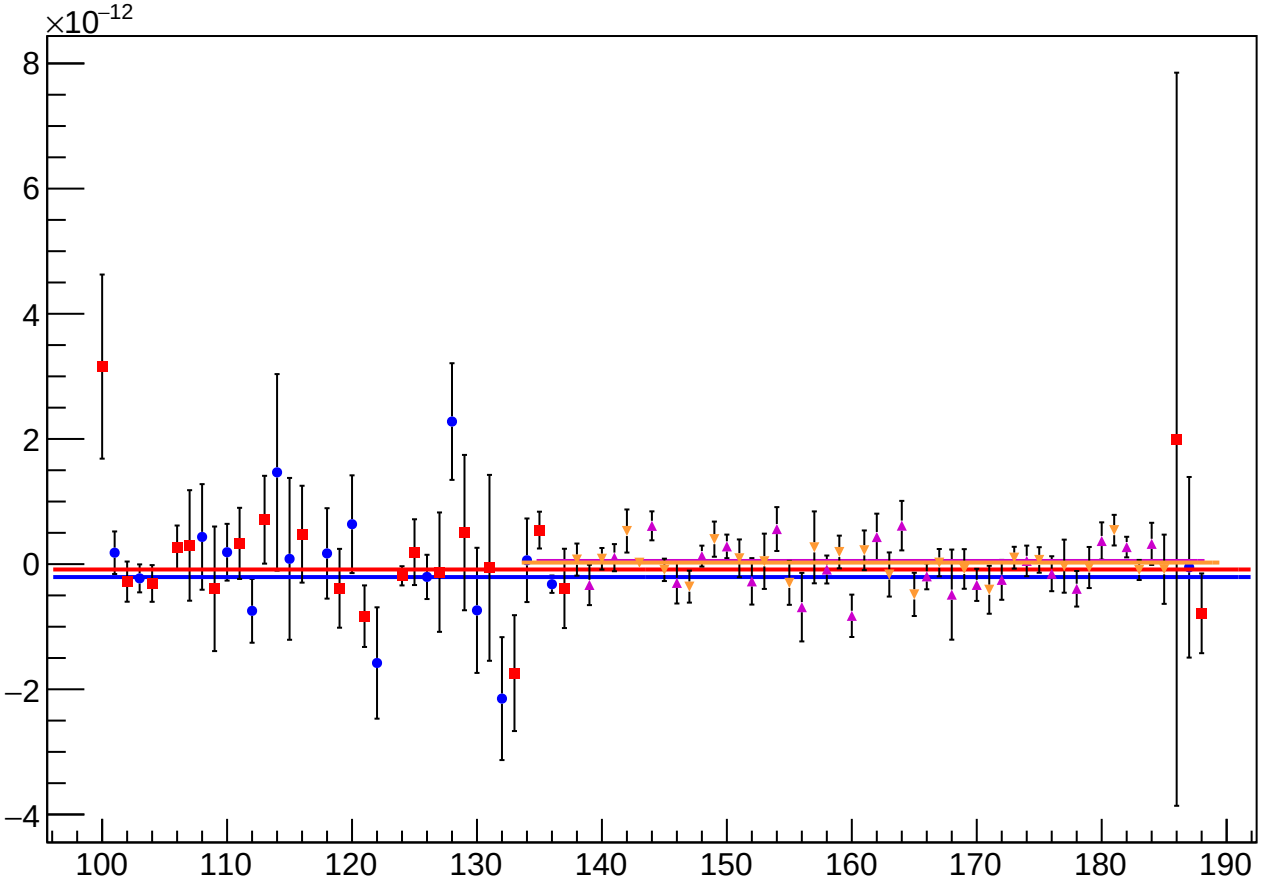
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 7922.607+/-1.130 χ^2/NDF: 3949318.7/41

All: 7967.105+/-0.801 χ^2/NDF: 7933853.9/85

- sign 8011.989+/-1.135 χ^2/NDF: 3981422.0/43

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/20

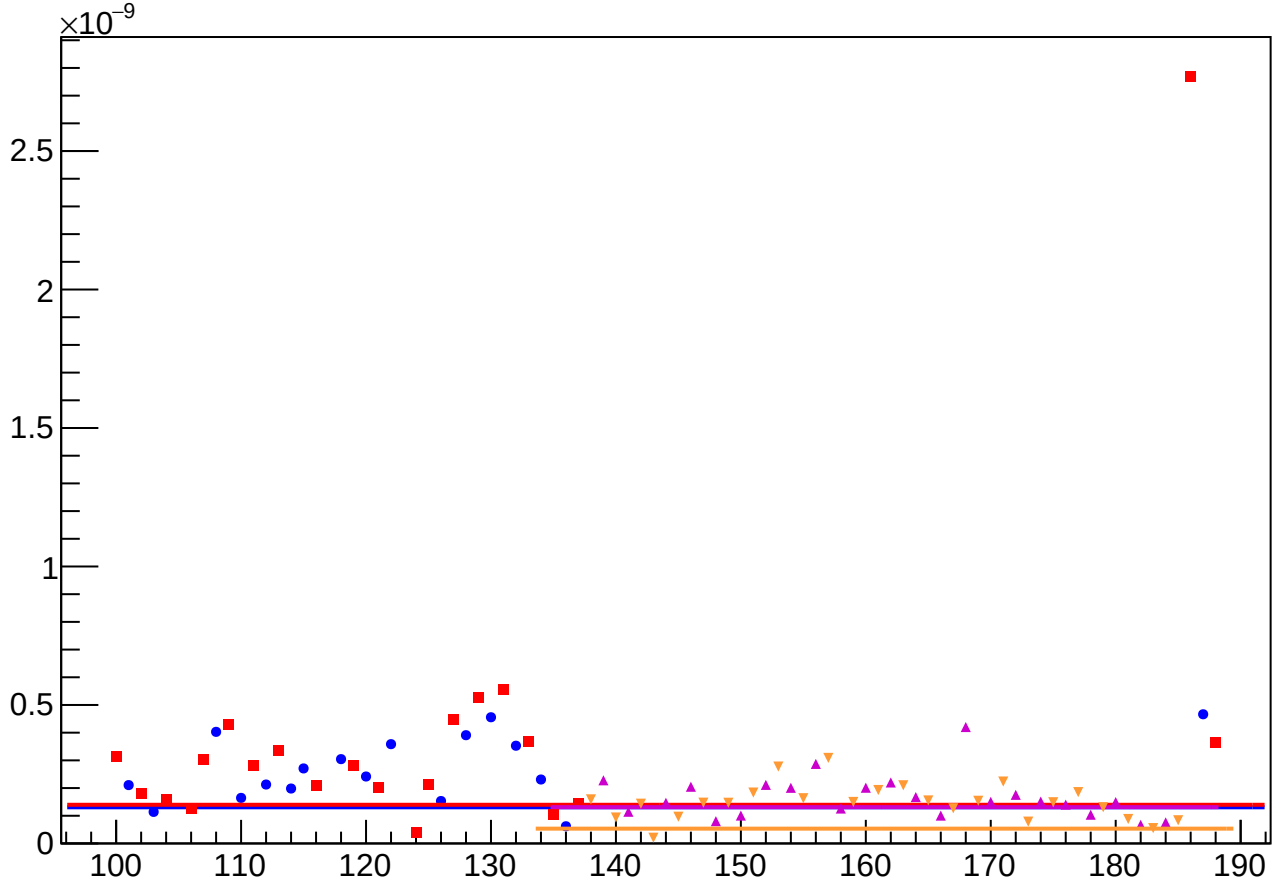
Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/41

All: 0.000+/-0.000 χ^2/NDF: 104.9/85

- sign 0.000+/-0.000 χ^2/NDF: 60.6/43

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1829189.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2960991.0/20

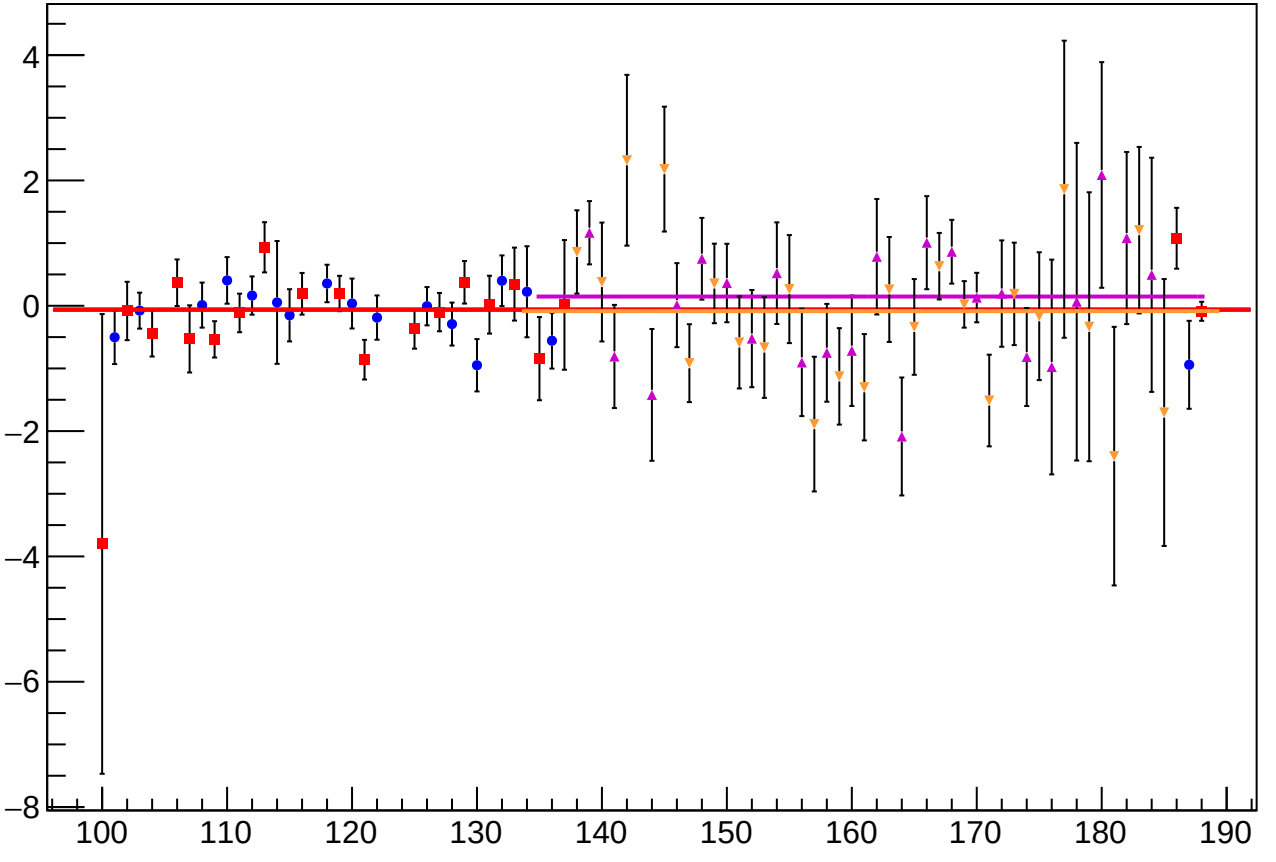
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10270575.8/41

All: 0.000+/-0.000 χ^2/NDF: 18642510.9/85

- sign 0.000+/-0.000 χ^2/NDF: 4877448.4/43

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.060+/-0.093 χ^2/NDF: 14.7/16

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

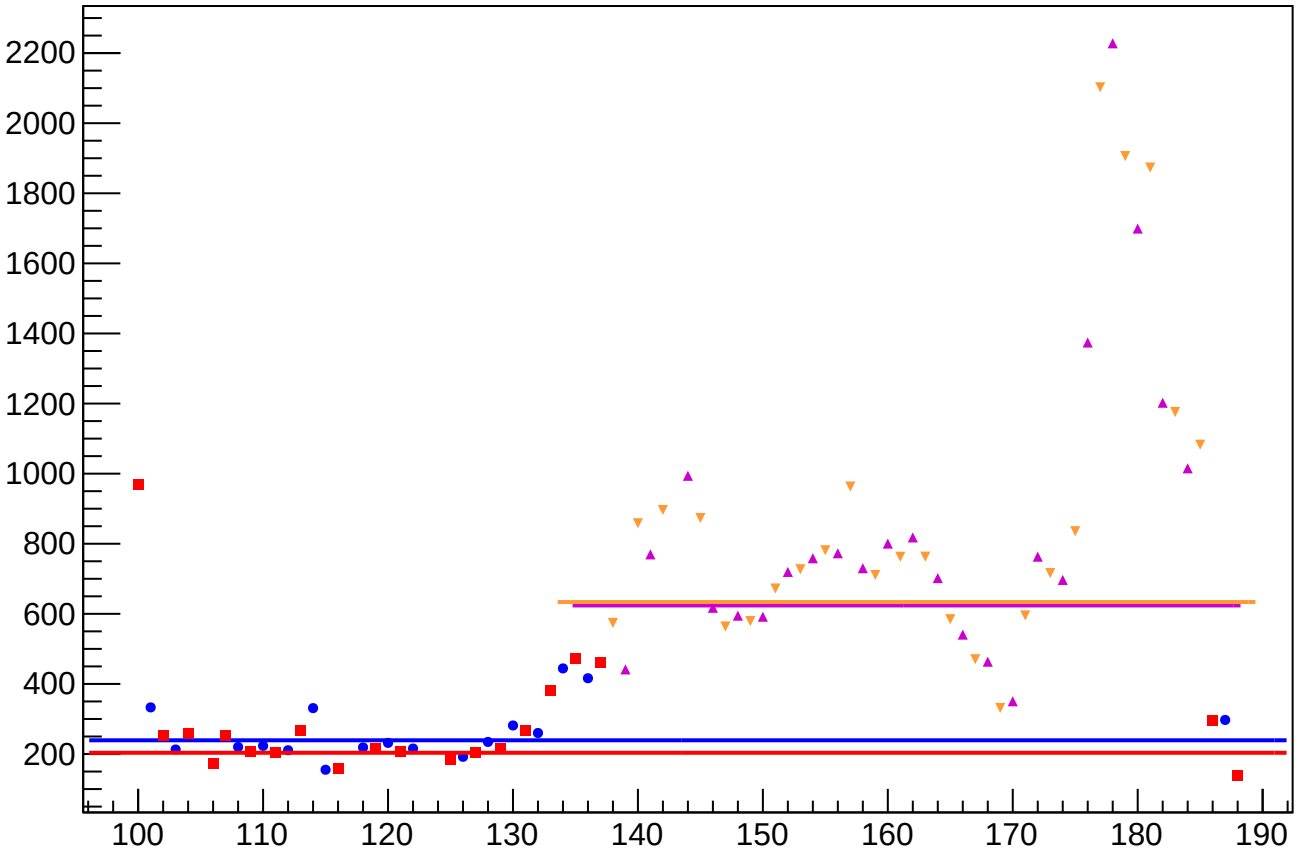
Right Out: -0.064+/-0.076 χ^2/NDF: 30.9/19

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.066+/-0.081 χ^2/NDF: 45.0/40

All: -0.042+/-0.052 χ^2/NDF: 103.9/83

- sign -0.024+/-0.069 χ^2/NDF: 58.8/42



Right In: 239.202+/-0.066 χ^2/NDF: 821137.0/16

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 203.574+/-0.054 χ^2/NDF: 1406011.7/19

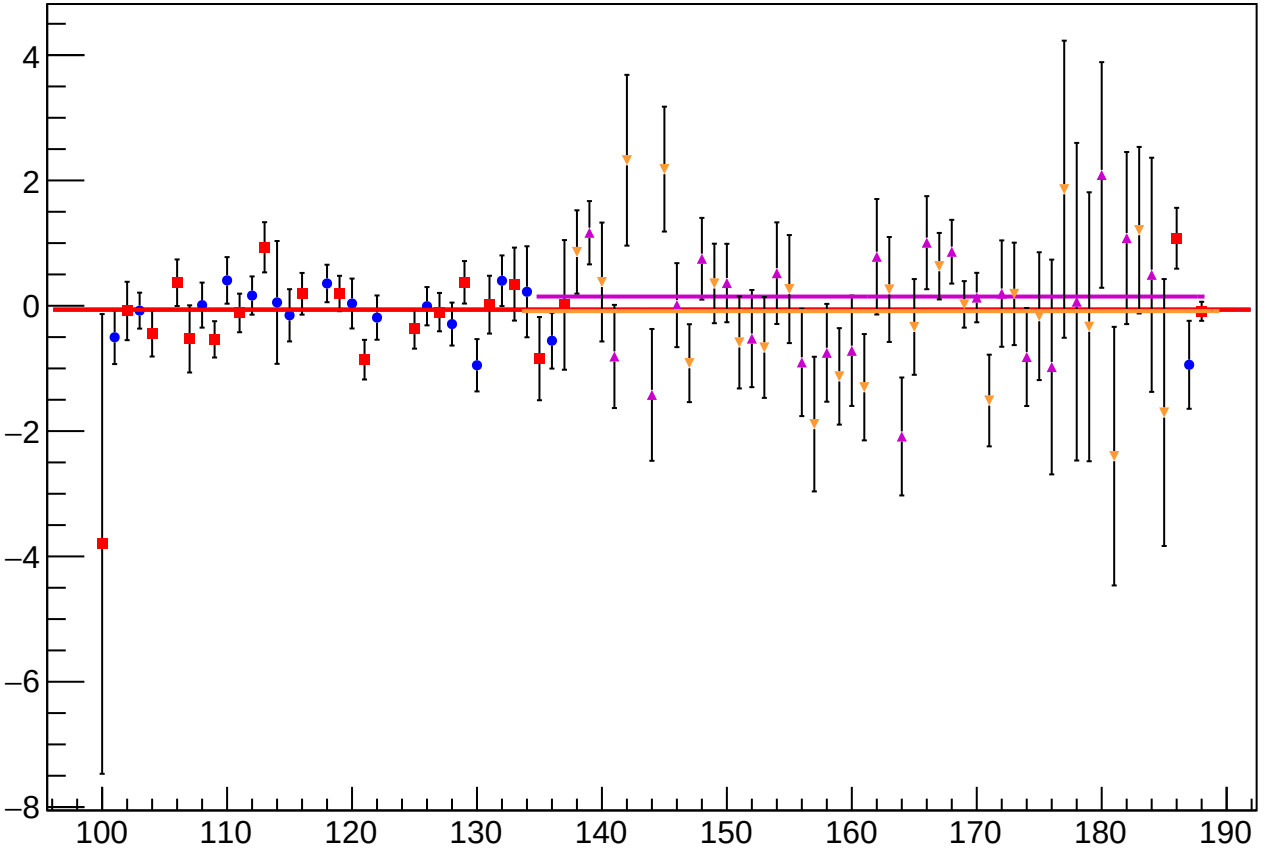
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 337.454+/-0.057 χ^2/NDF: 14782995.3/40

All: 306.113+/-0.037 χ^2/NDF: 32697007.9/83

- sign 283.214+/-0.049 χ^2/NDF: 17390210.4/42

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.060+/-0.093 χ^2/NDF: 14.7/16

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.064+/-0.076 χ^2/NDF: 30.9/19

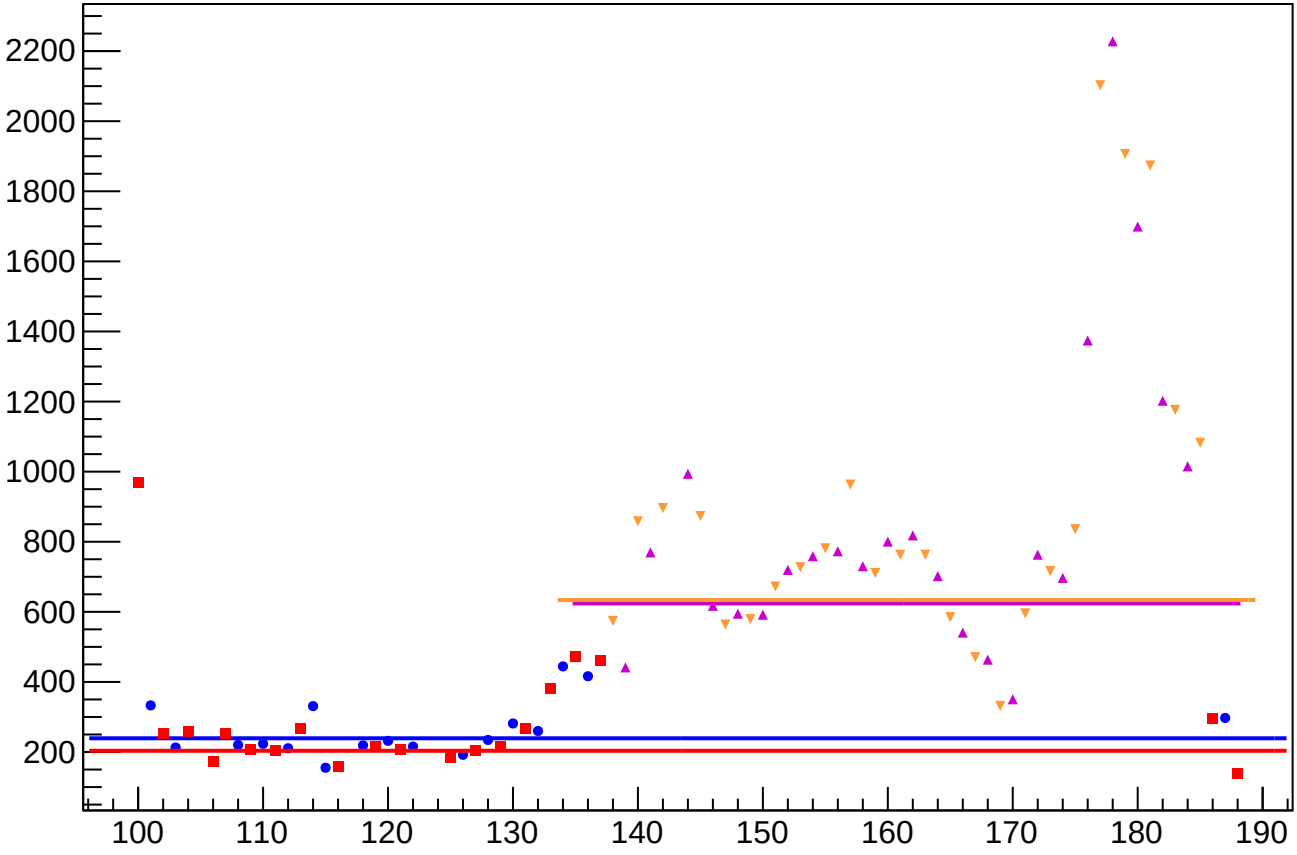
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.066+/-0.081 χ^2/NDF: 45.0/40

All: -0.042+/-0.052 χ^2/NDF: 103.9/83

- sign -0.024+/-0.069 χ^2/NDF: 58.8/42

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 239.202+/-0.066 χ^2/NDF: 821137.0/16

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 203.574+/-0.054 χ^2/NDF: 1406011.7/19

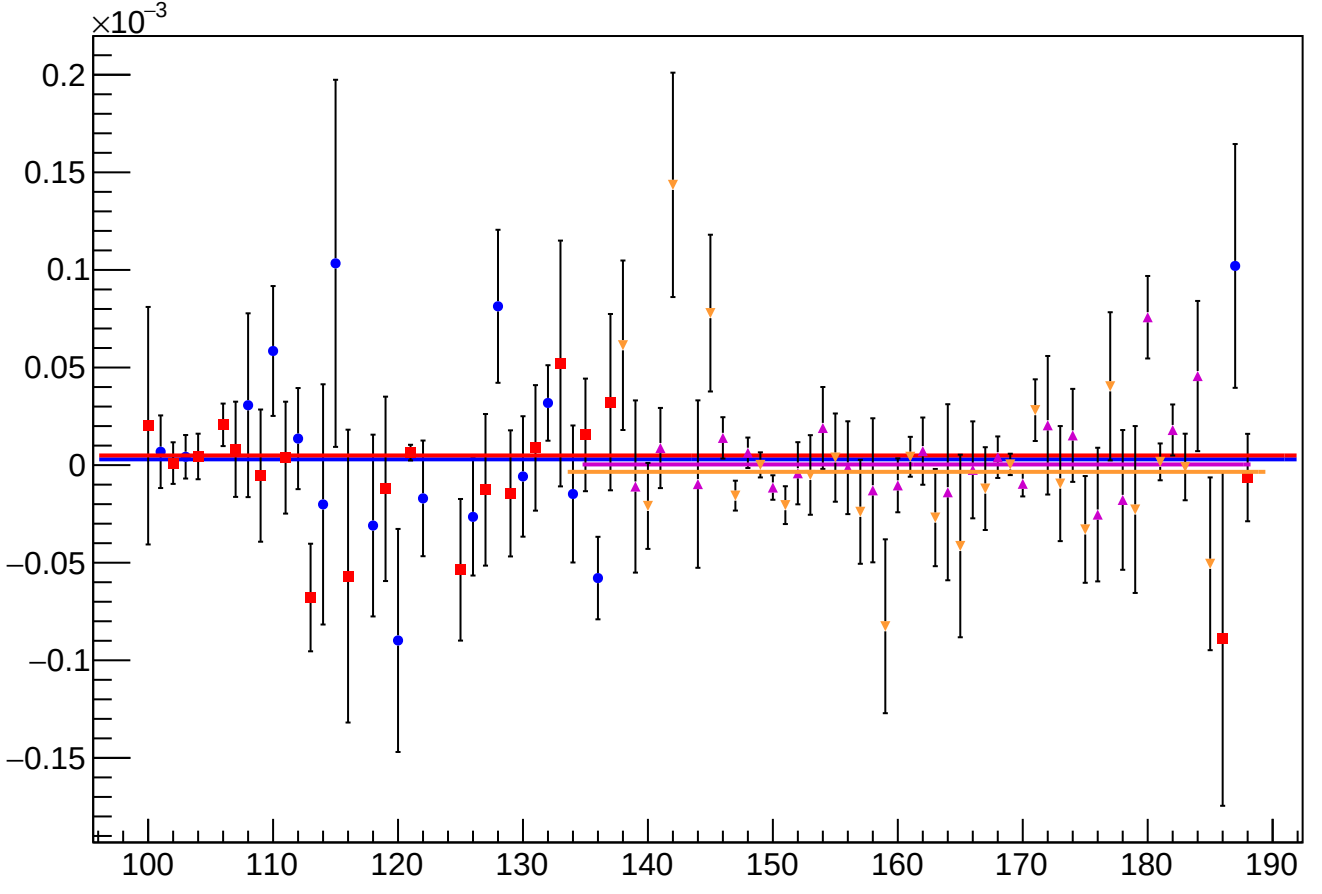
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 337.454+/-0.057 χ^2/NDF: 14782995.3/40

All: 306.113+/-0.037 χ^2/NDF: 32697007.9/83

- sign 283.214+/-0.049 χ^2/NDF: 17390210.4/42

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/19

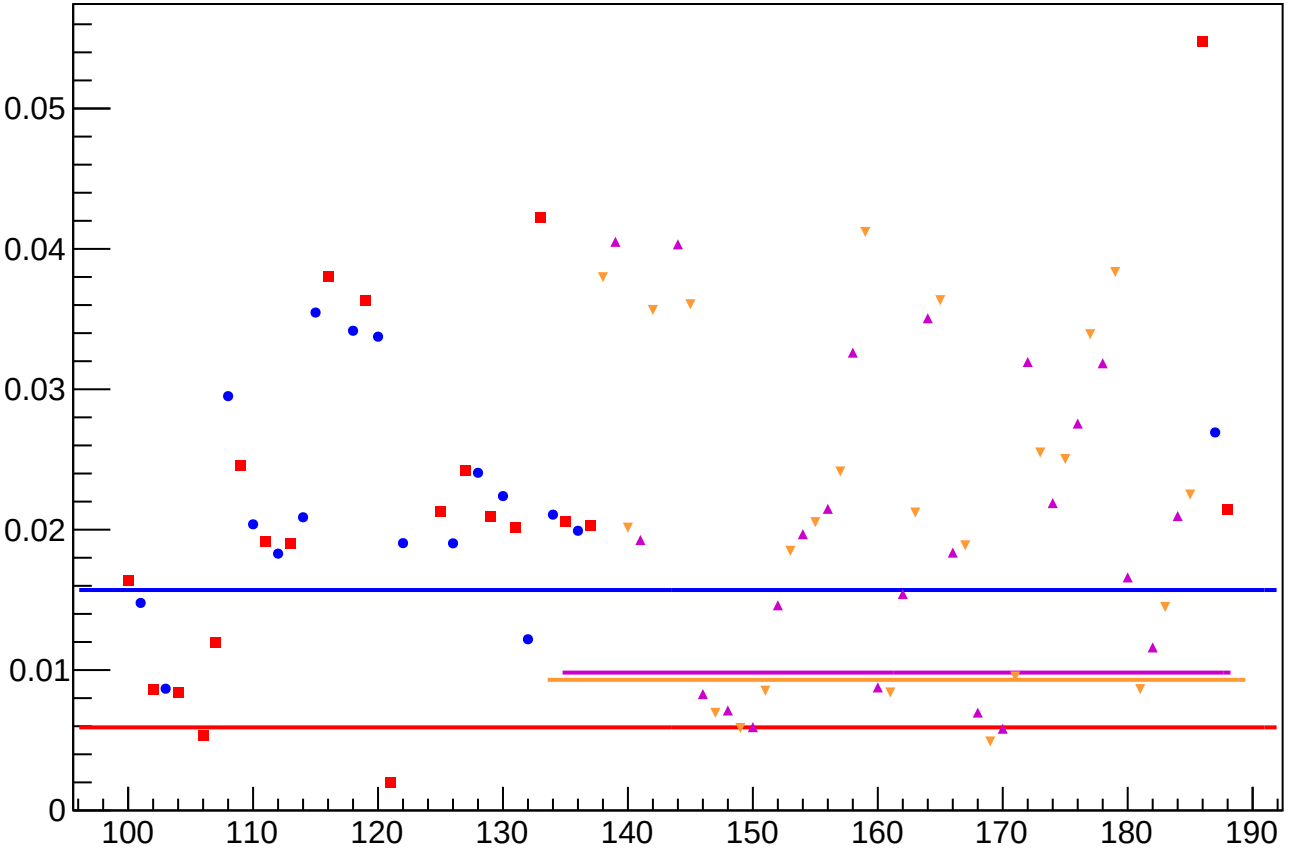
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.7/40

All: 0.000+/-0.000 χ^2/NDF: 108.9/83

- sign 0.000+/-0.000 χ^2/NDF: 45.0/42

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2139935.6/16

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.006+/-0.000 χ^2/NDF: 9590414.8/19

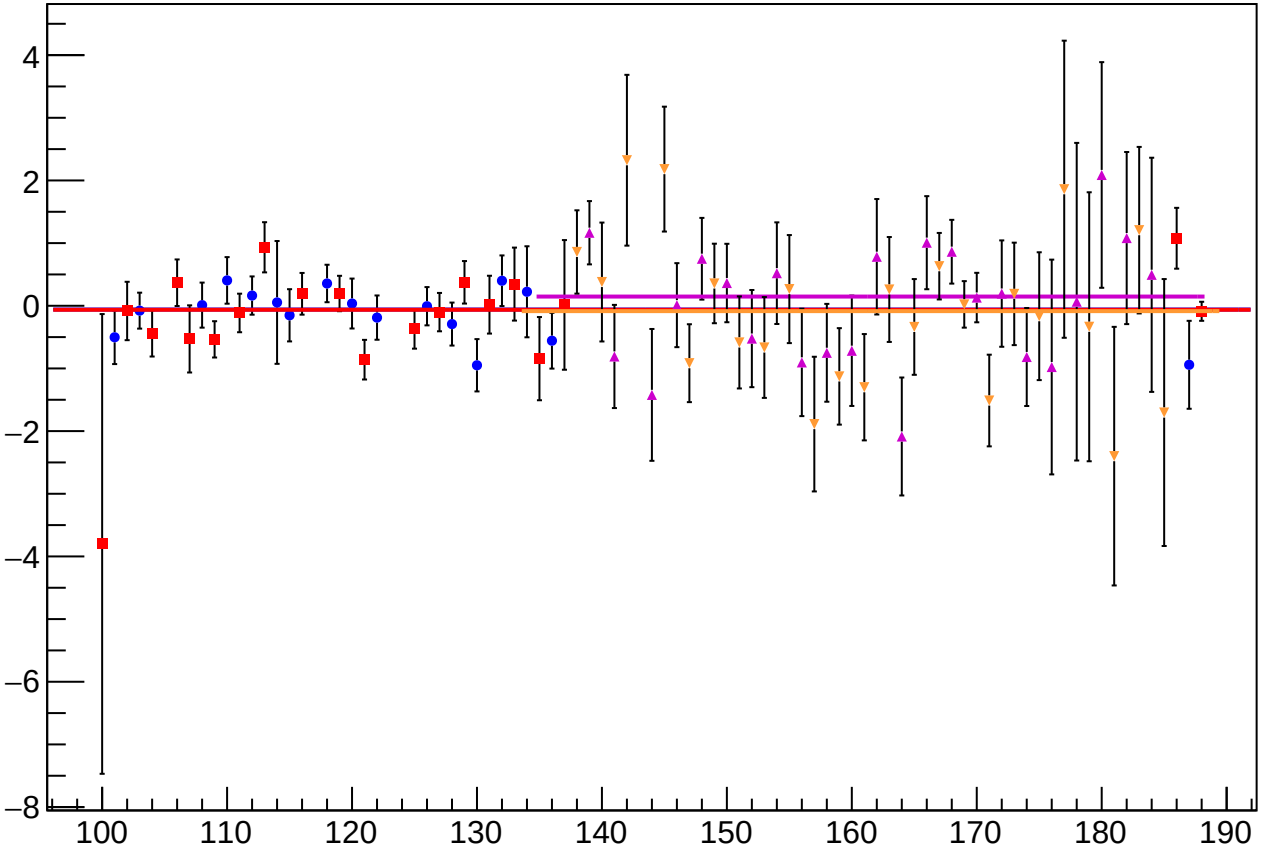
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.010+/-0.000 χ^2/NDF: 16076308.1/40

All: 0.009+/-0.000 χ^2/NDF: 38576311.2/83

- sign 0.008+/-0.000 χ^2/NDF: 21553151.6/42

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.060+/-0.093 χ^2/NDF: 14.7/16

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.064+/-0.076 χ^2/NDF: 30.9/19

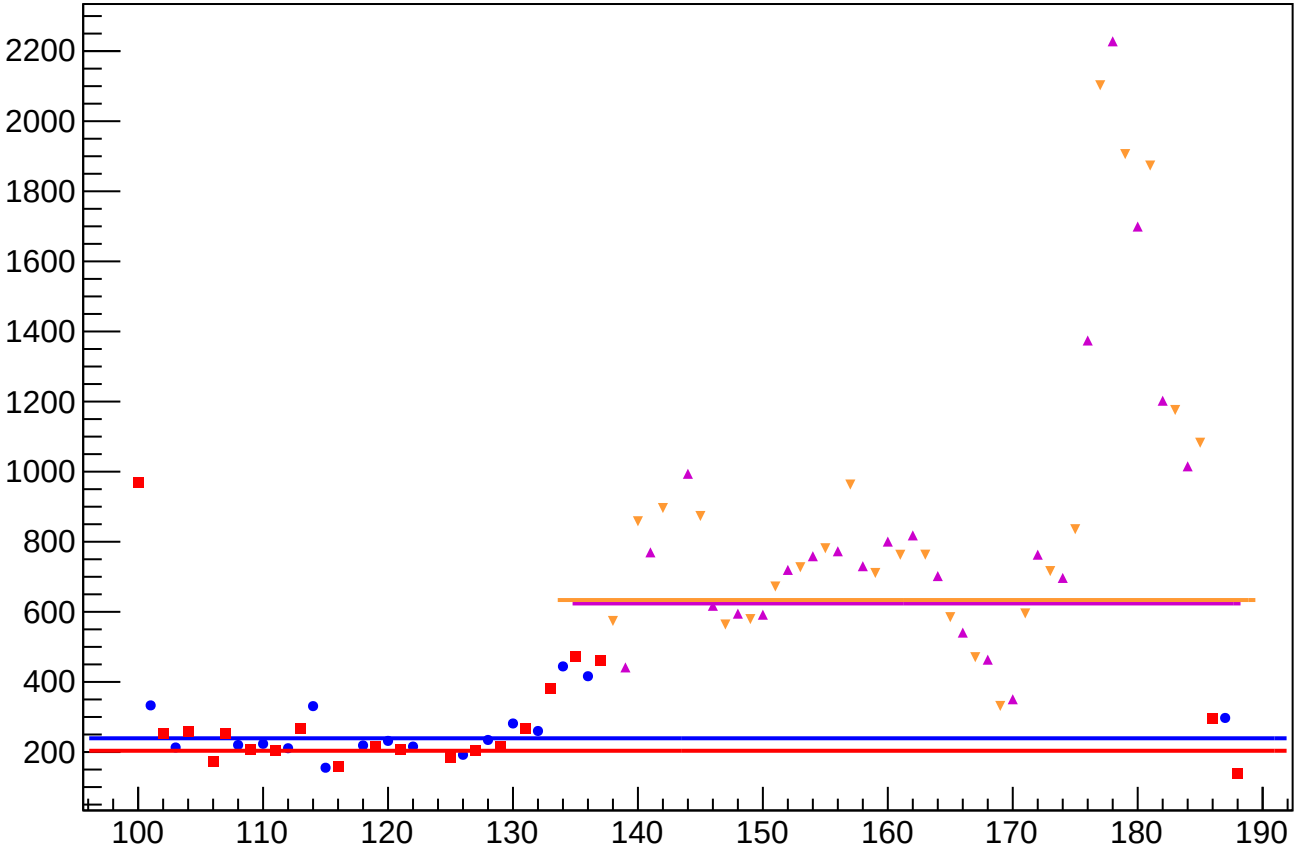
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.066+/-0.081 χ^2/NDF: 45.0/40

All: -0.042+/-0.052 χ^2/NDF: 103.9/83

- sign -0.024+/-0.069 χ^2/NDF: 58.8/42

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 239.203+/-0.066 χ^2/NDF: 821105.9/16

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

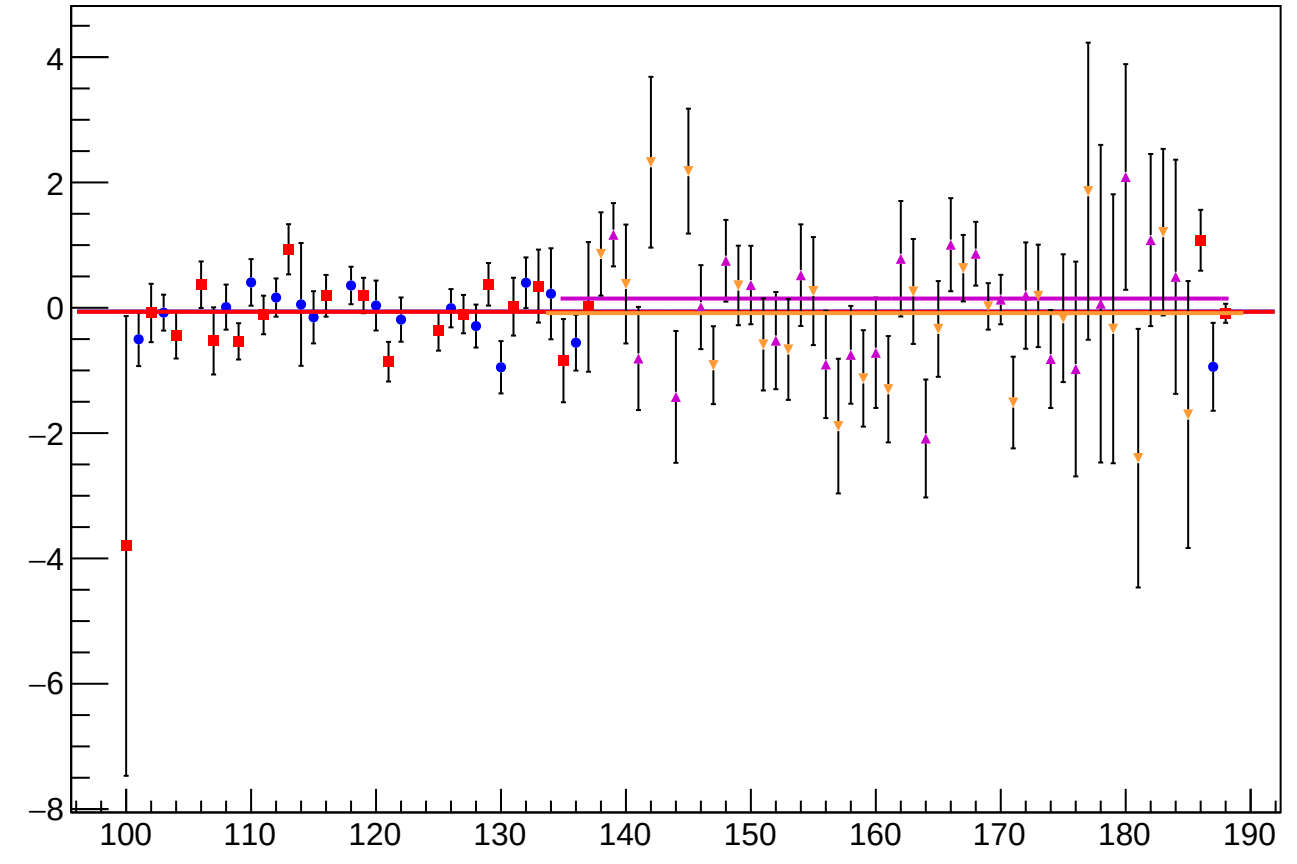
Right Out: 203.571+/-0.054 χ^2/NDF: 1406056.9/19

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 337.455+/-0.057 χ^2/NDF: 14783060.4/40

All: 306.111+/-0.037 χ^2/NDF: 32697575.4/83

- sign 283.210+/-0.049 χ^2/NDF: 17390613.6/42



Right In: -0.060+/-0.093 χ^2/NDF: 14.7/16

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

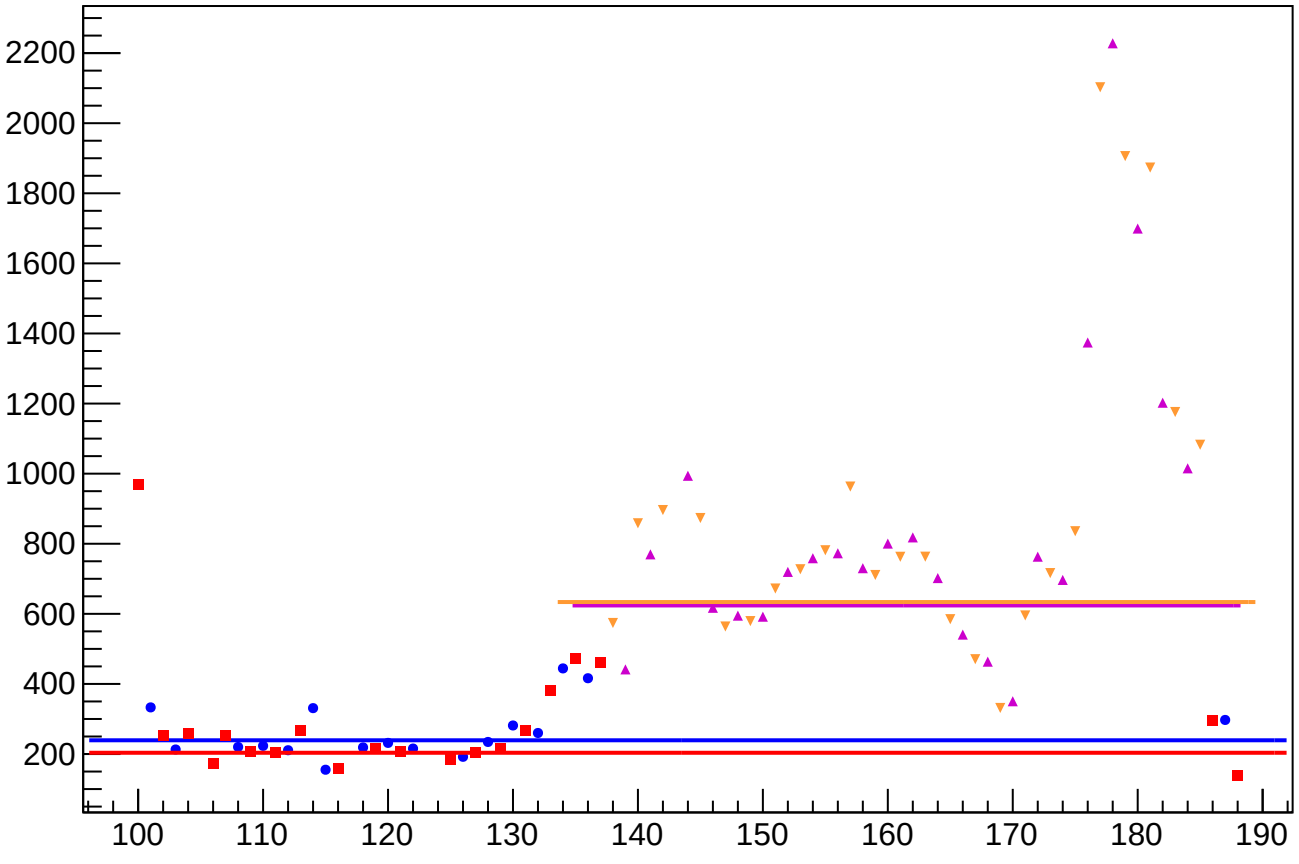
Right Out: -0.064+/-0.076 χ^2/NDF: 30.9/19

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.066+/-0.081 χ^2/NDF: 45.0/40

All: -0.042+/-0.052 χ^2/NDF: 103.9/83

- sign -0.024+/-0.069 χ^2/NDF: 58.8/42



Right In: 239.203+/-0.066 χ^2/NDF: 821105.9/16

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 203.571+/-0.054 χ^2/NDF: 1406056.9/19

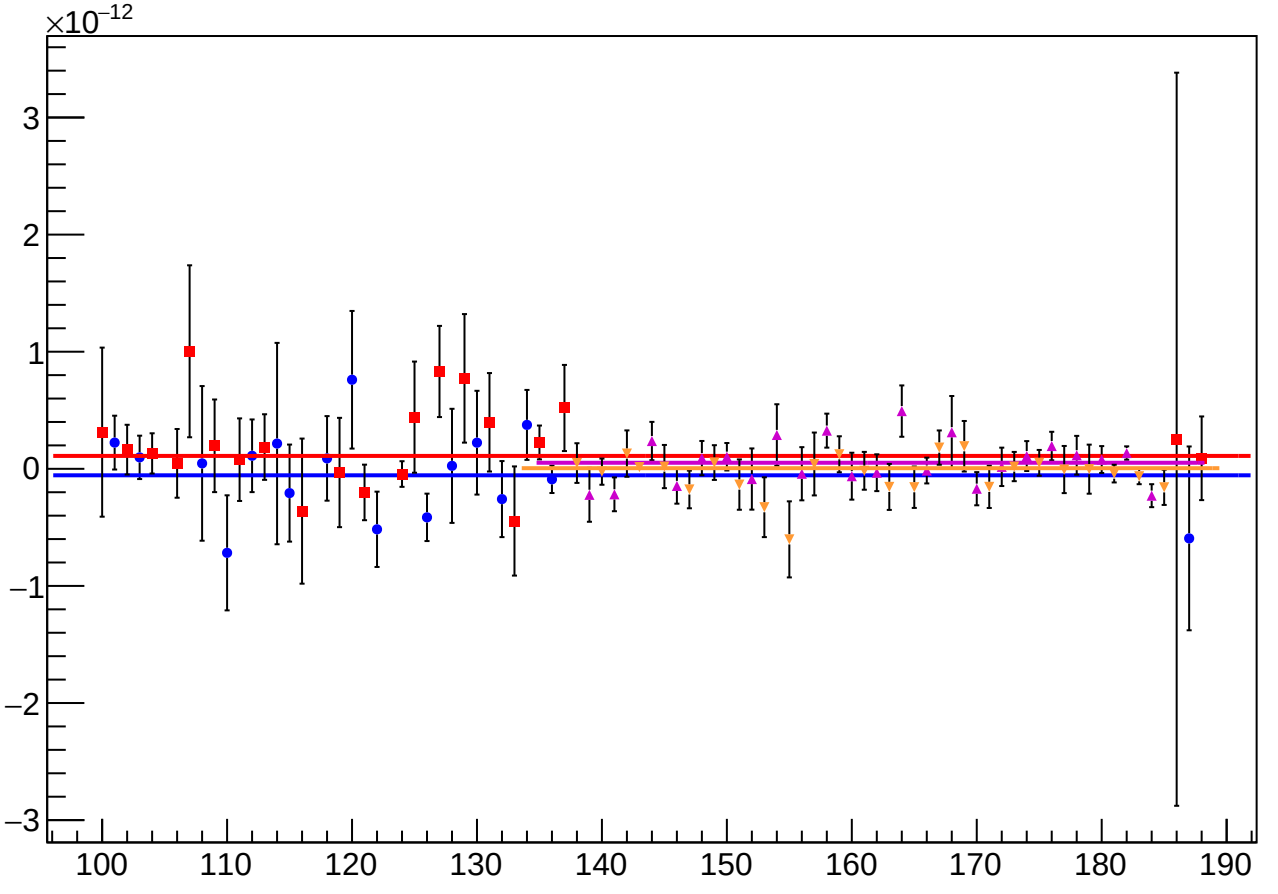
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 337.455+/-0.057 χ^2/NDF: 14783060.4/40

All: 306.111+/-0.037 χ^2/NDF: 32697575.4/83

- sign 283.210+/-0.049 χ^2/NDF: 17390613.6/42

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

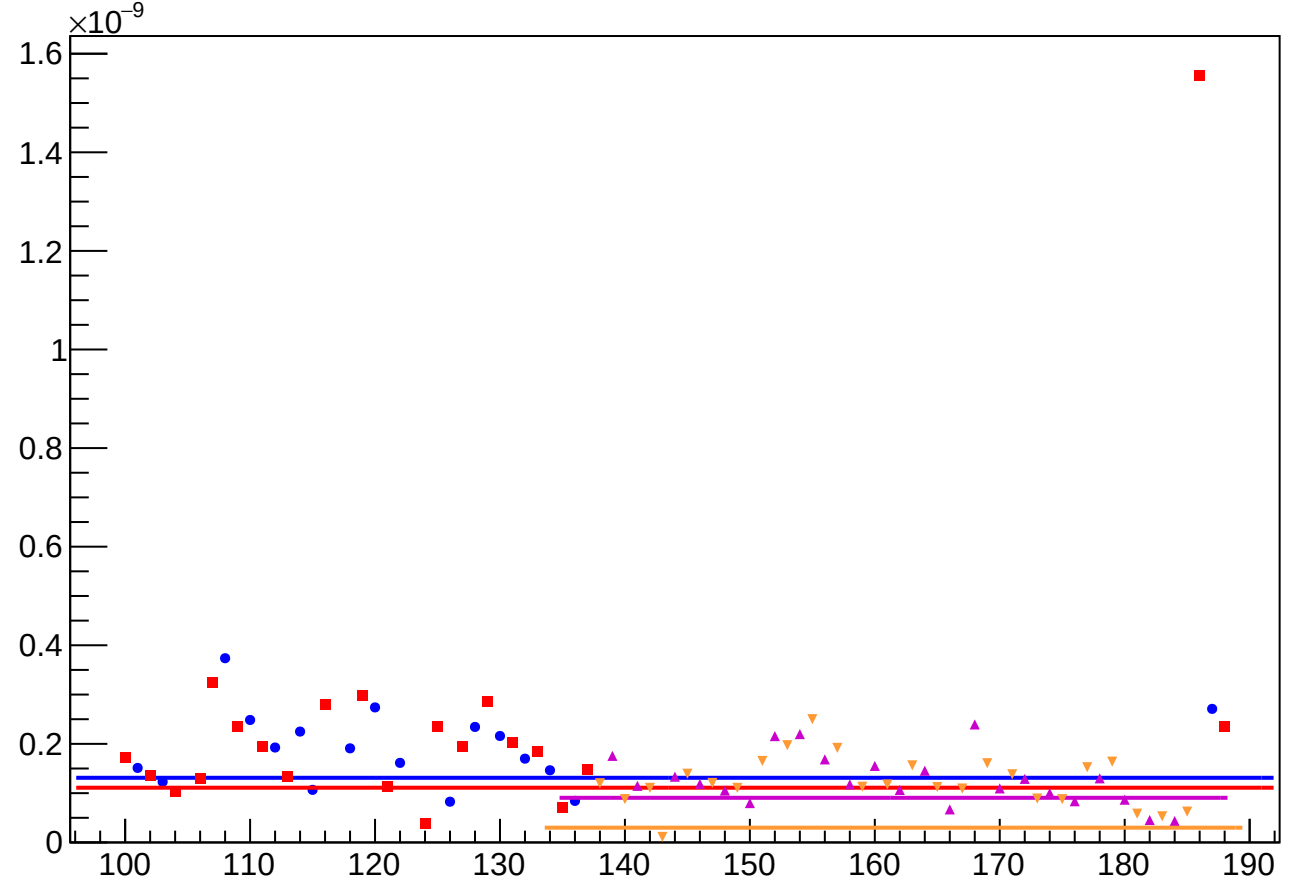
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/20

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.9/41

All: 0.000+/-0.000 χ^2/NDF: 85.8/85

- sign 0.000+/-0.000 χ^2/NDF: 49.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 1398168.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3335935.2/20

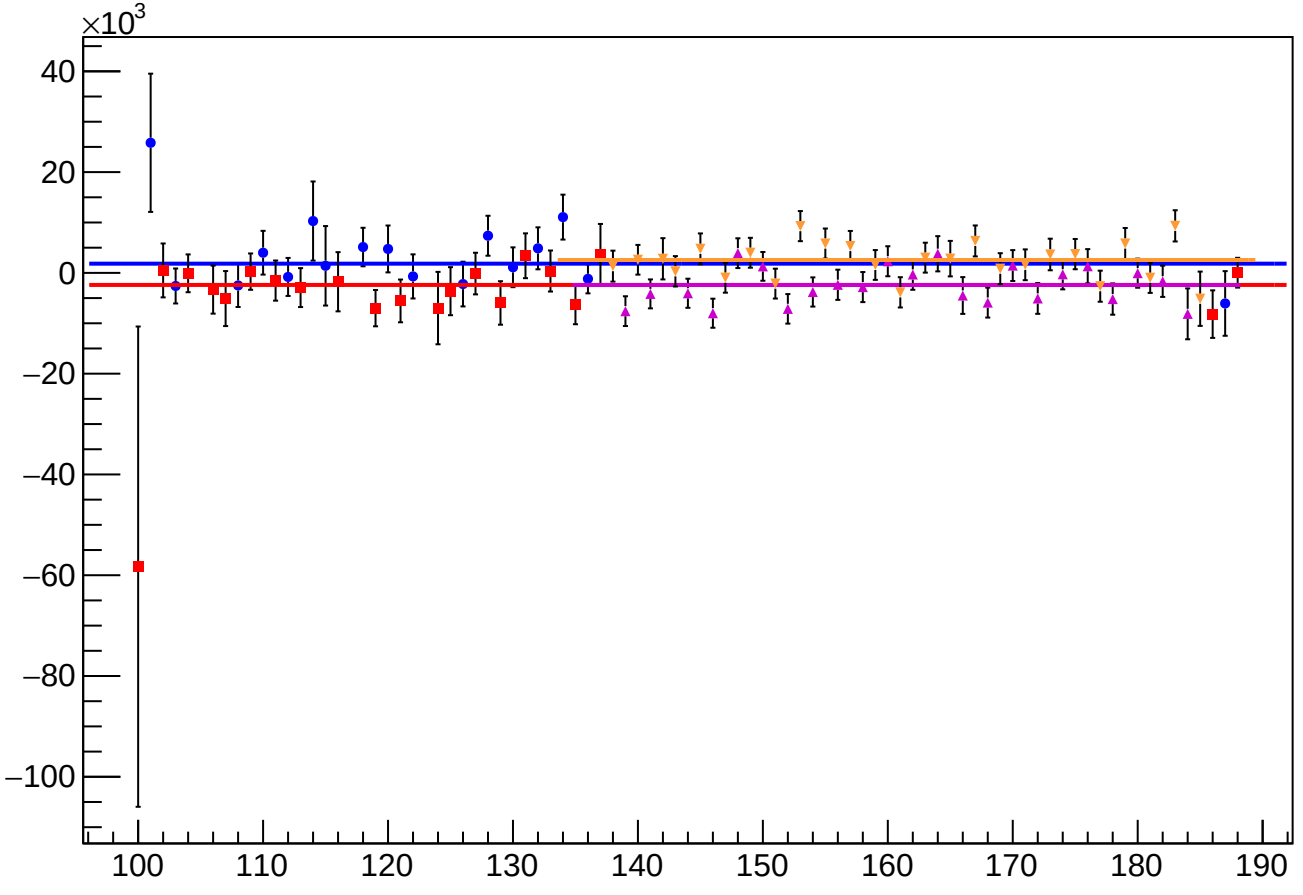
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 23015554.2/41

All: 0.000+/-0.000 χ^2/NDF: 40265620.5/85

- sign 0.000+/-0.000 χ^2/NDF: 8253276.3/43

reg_asym_atr1_mean vs Slug



Right In: 1829.549+/-1055.790 χ^2/NDF: 19.3/16

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2392.396+/-956.903 χ^2/NDF: 12.9/20

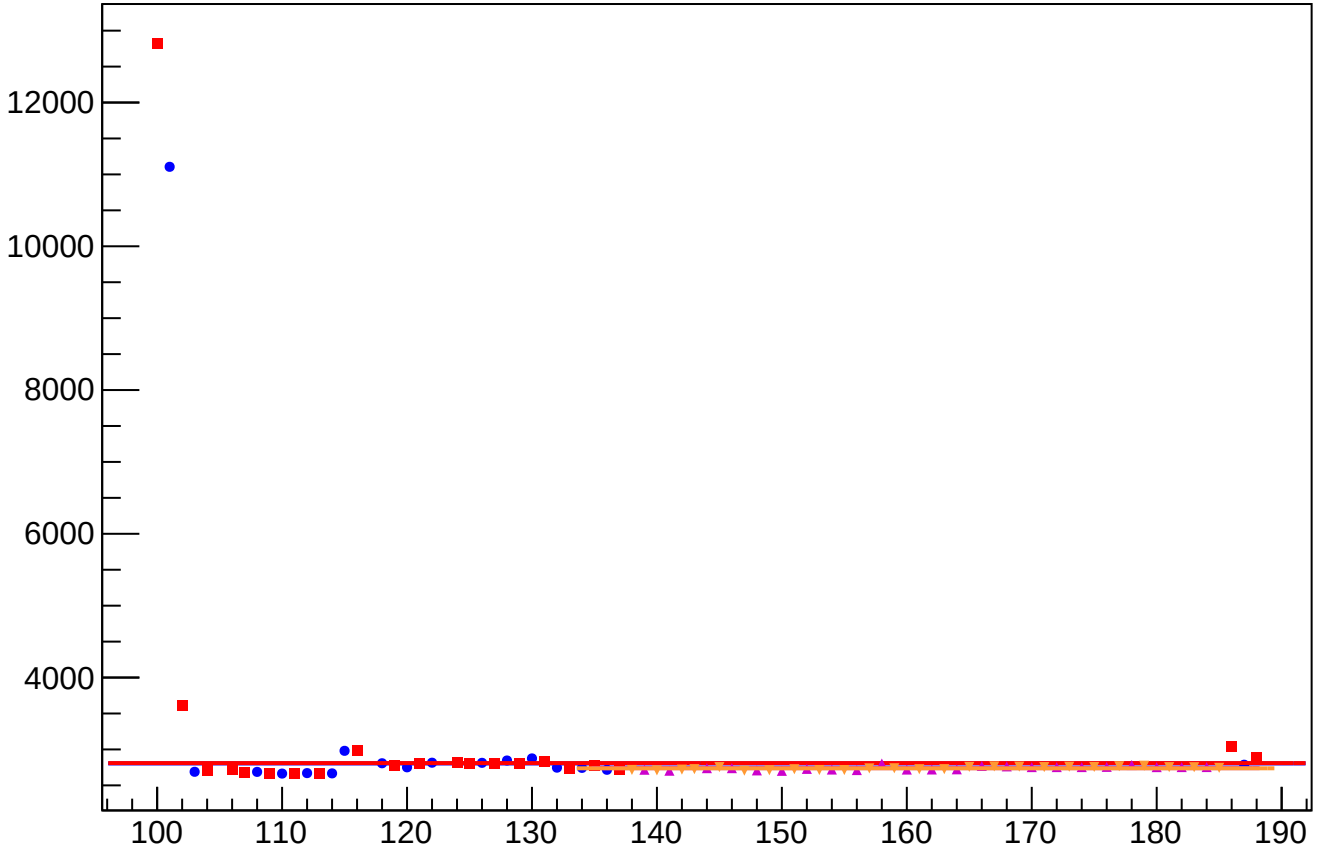
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2369.519+/-535.804 χ^2/NDF: 51.3/41

All: -34.730+/-377.456 χ^2/NDF: 135.6/85

- sign -2403.401+/-531.825 χ^2/NDF: 44.3/43

reg_asym_atr1_rms vs Slug



Right In: 2804.954+/-0.747 χ^2/NDF: 746256.2/16

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2809.957+/-0.677 χ^2/NDF: 154000.8/20

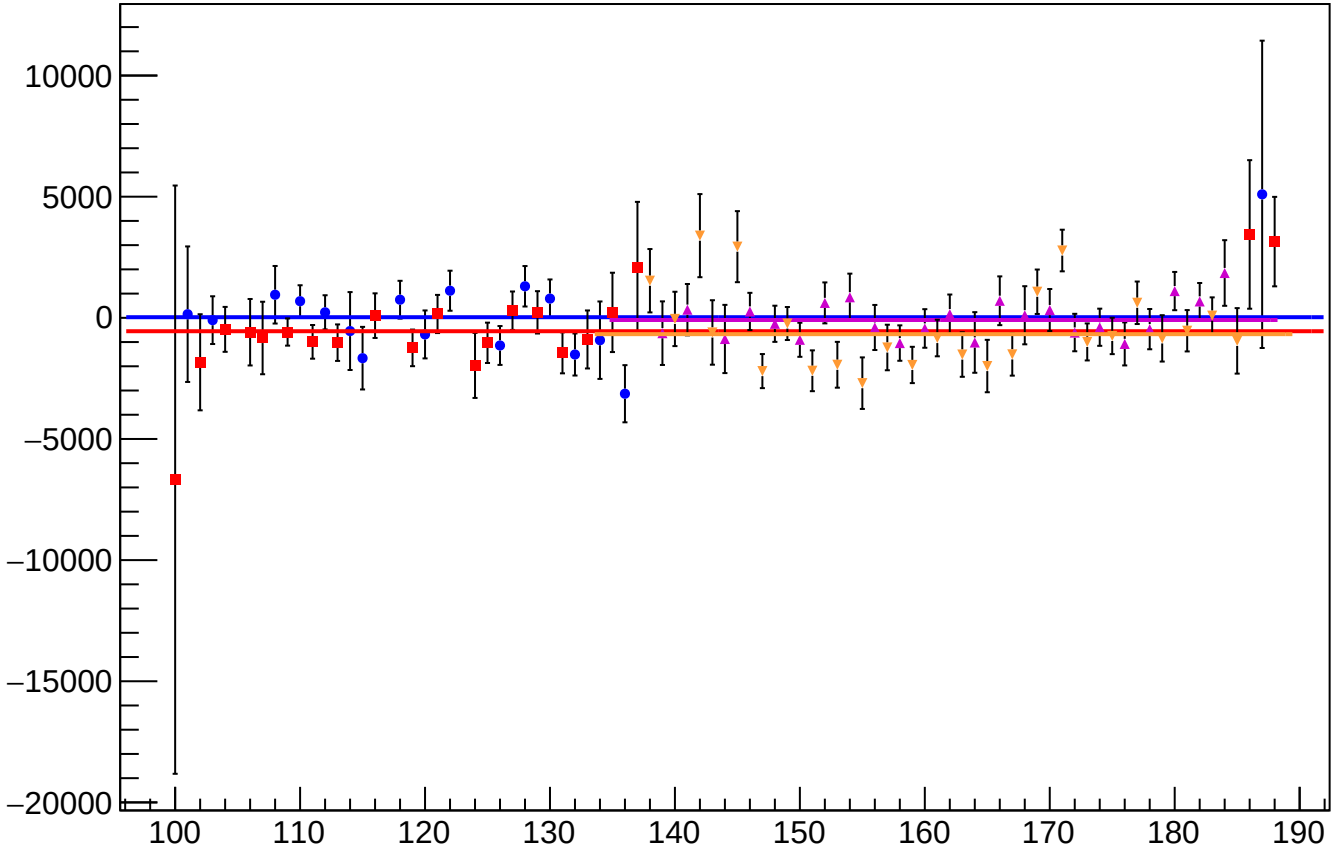
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.886+/-0.379 χ^2/NDF: 754631.6/41

All: 2758.225+/-0.267 χ^2/NDF: 919565.1/85

- sign 2761.514+/-0.376 χ^2/NDF: 164779.4/43

asym_atr1_reg_correction_mean vs Slug



Right In: 25.854+/-233.325 χ^2/NDF: 23.4/16

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -552.700+/-213.963 χ^2/NDF: 15.1/20

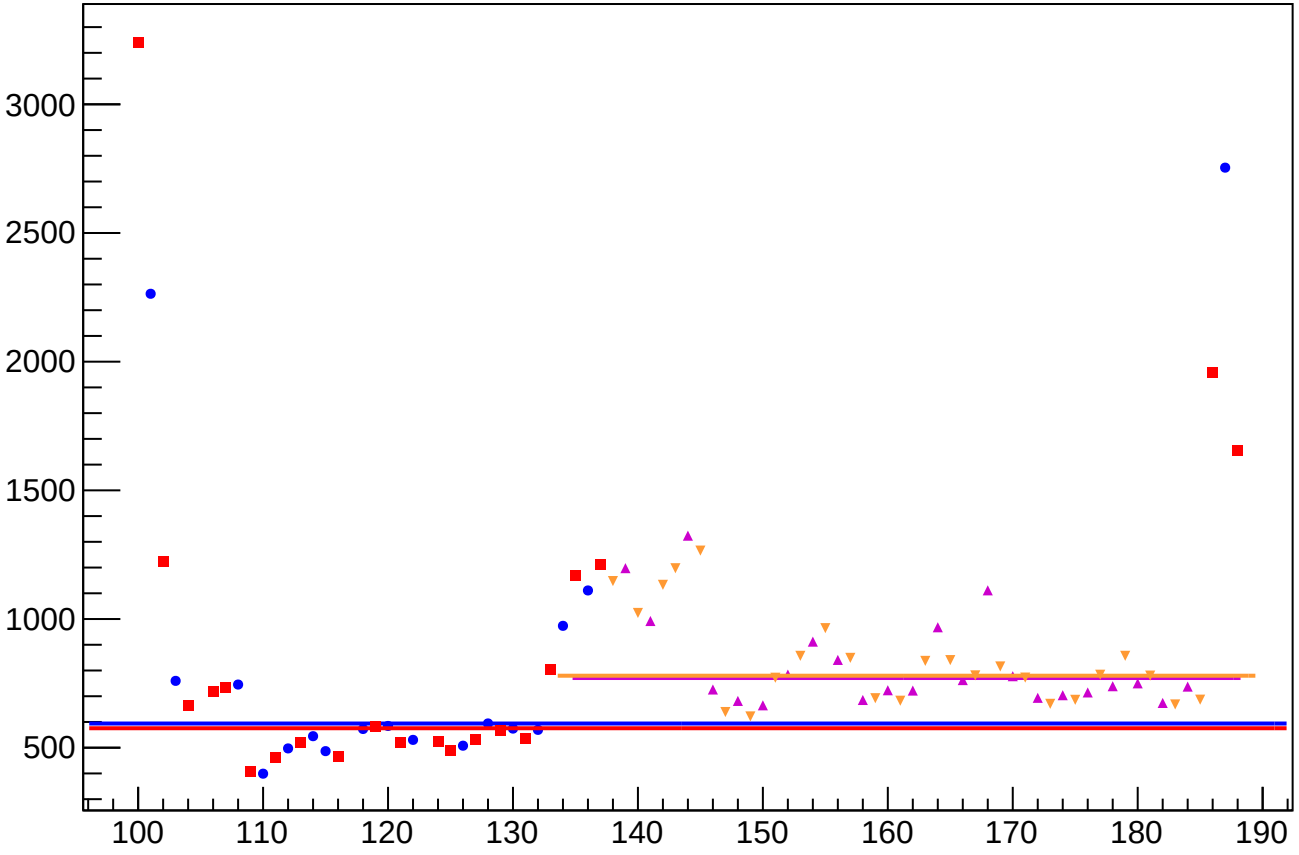
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

\+ sign -410.460+/-143.127 χ^2/NDF: 87.4/41

All: -346.438+/-99.821 χ^2/NDF: 120.3/85

\- sign -285.806+/-139.287 χ^2/NDF: 32.6/43

asym_atr1_reg_correction_rms vs Slug



Right In: 593.968+/-0.165 χ^2/NDF: 1799951.6/16

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 575.610+/-0.151 χ^2/NDF: 2227823.7/20

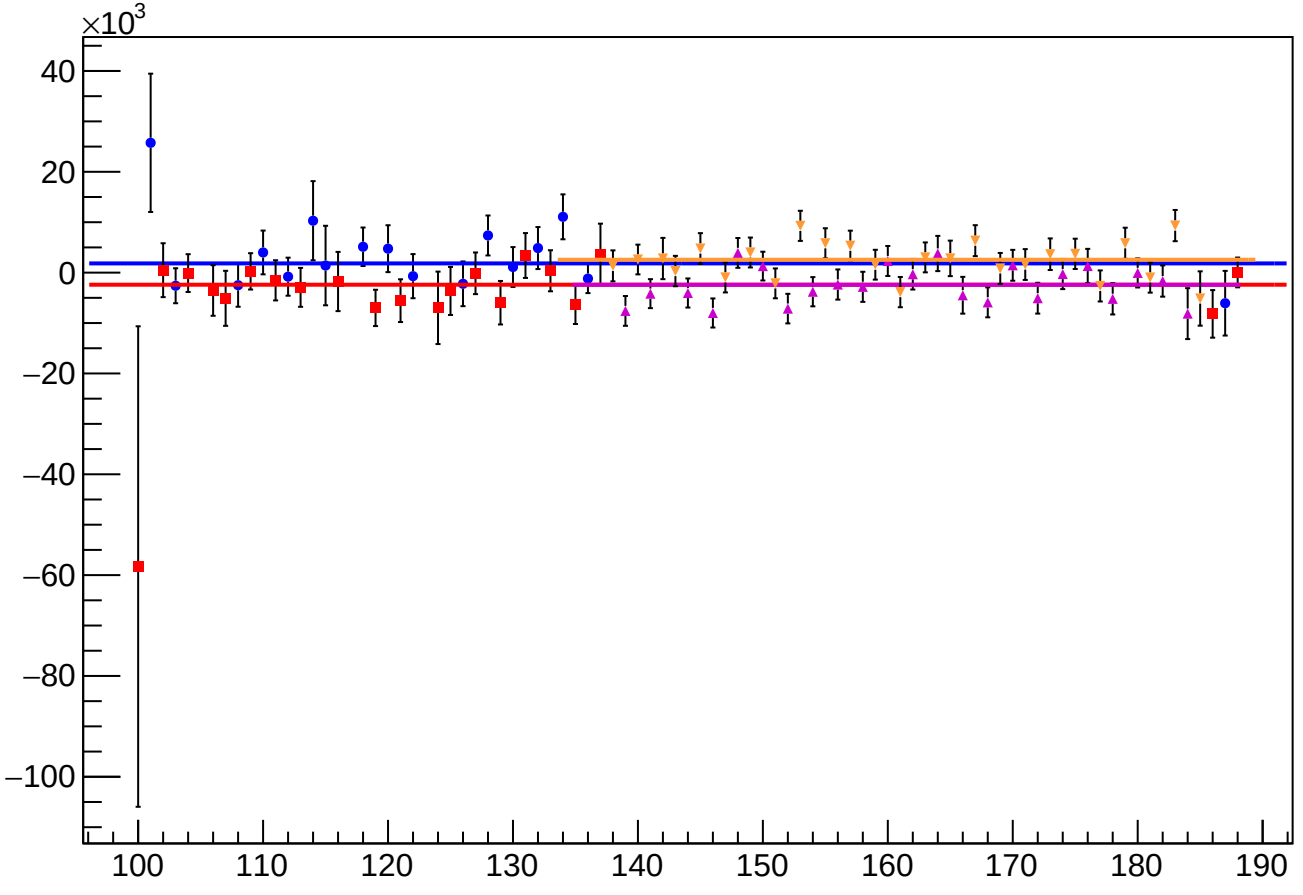
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 709.820+/-0.101 χ^2/NDF: 3834249.8/41

All: 698.654+/-0.071 χ^2/NDF: 8121161.0/85

- sign 688.079+/-0.098 χ^2/NDF: 4263210.0/43

cor_asym_atr1_mean vs Slug



Right In: 1828.783+/-1055.791 χ^2/NDF: 19.3/16

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2397.388+/-958.784 χ^2/NDF: 13.0/20

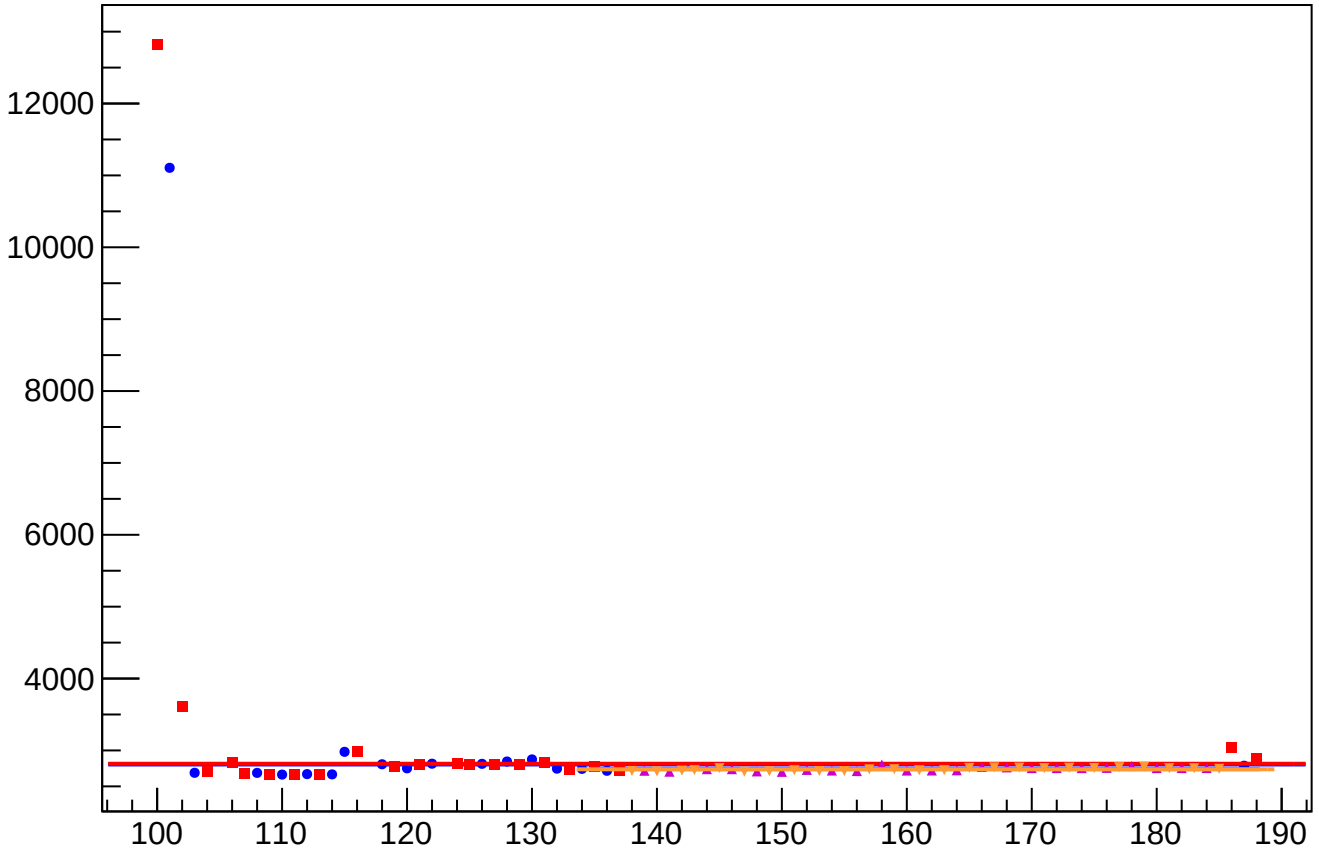
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2369.292+/-535.804 χ^2/NDF: 51.3/41

All: -34.227+/-377.571 χ^2/NDF: 135.6/85

- sign -2405.050+/-532.147 χ^2/NDF: 44.3/43

cor_asym_atr1_rms vs Slug



Right In: 2804.954+/-0.747 χ^2/NDF: 746255.3/16

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2814.594+/-0.678 χ^2/NDF: 153330.2/20

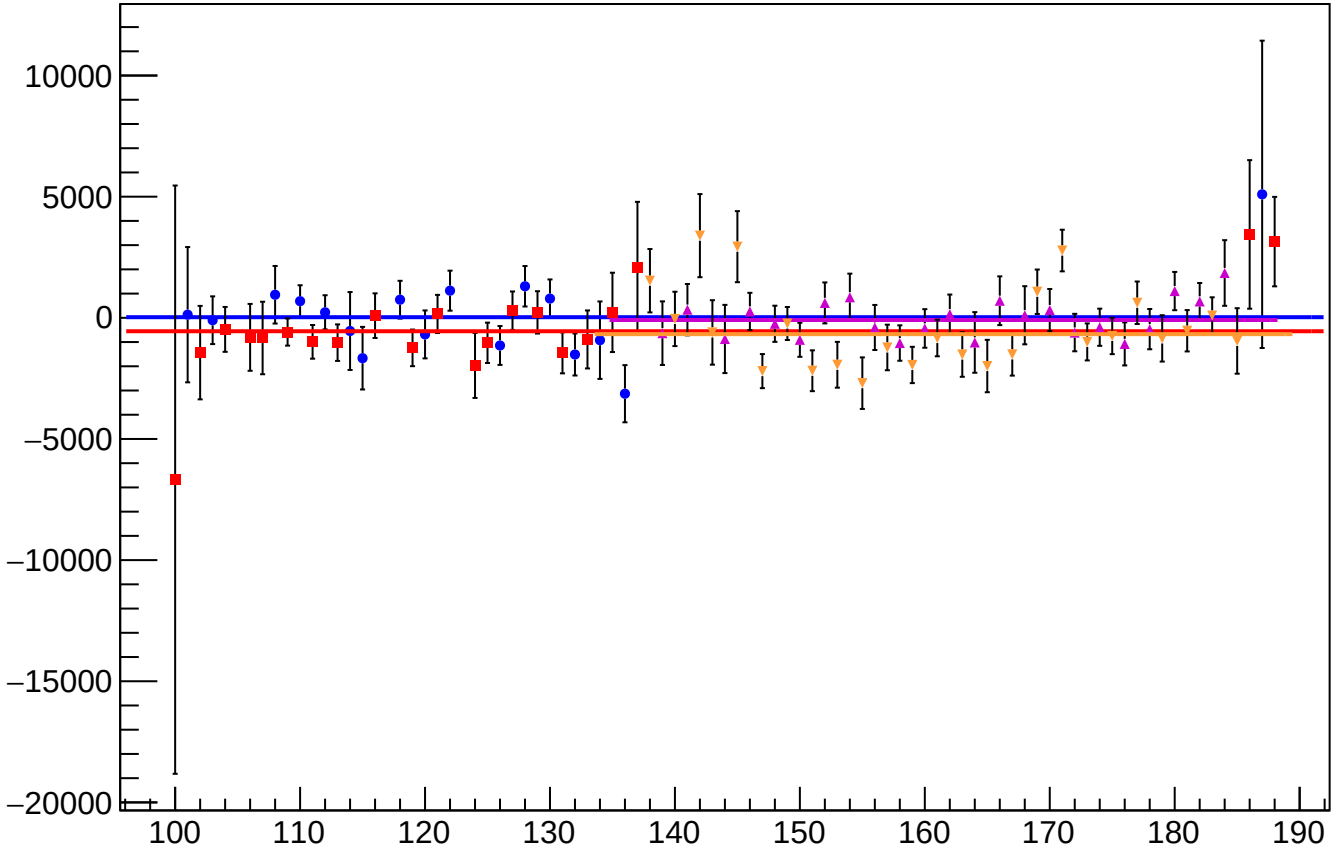
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

\+ sign 2754.886+/-0.379 χ^2/NDF: 754630.7/41

All: 2758.913+/-0.267 χ^2/NDF: 919954.7/85

\- sign 2762.884+/-0.376 χ^2/NDF: 165099.7/43

asym_atr1_cor_correction_mean vs Slug



Right In: 25.812+/-233.313 χ^2/NDF: 23.4/16

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -553.817+/-213.918 χ^2/NDF: 14.9/20

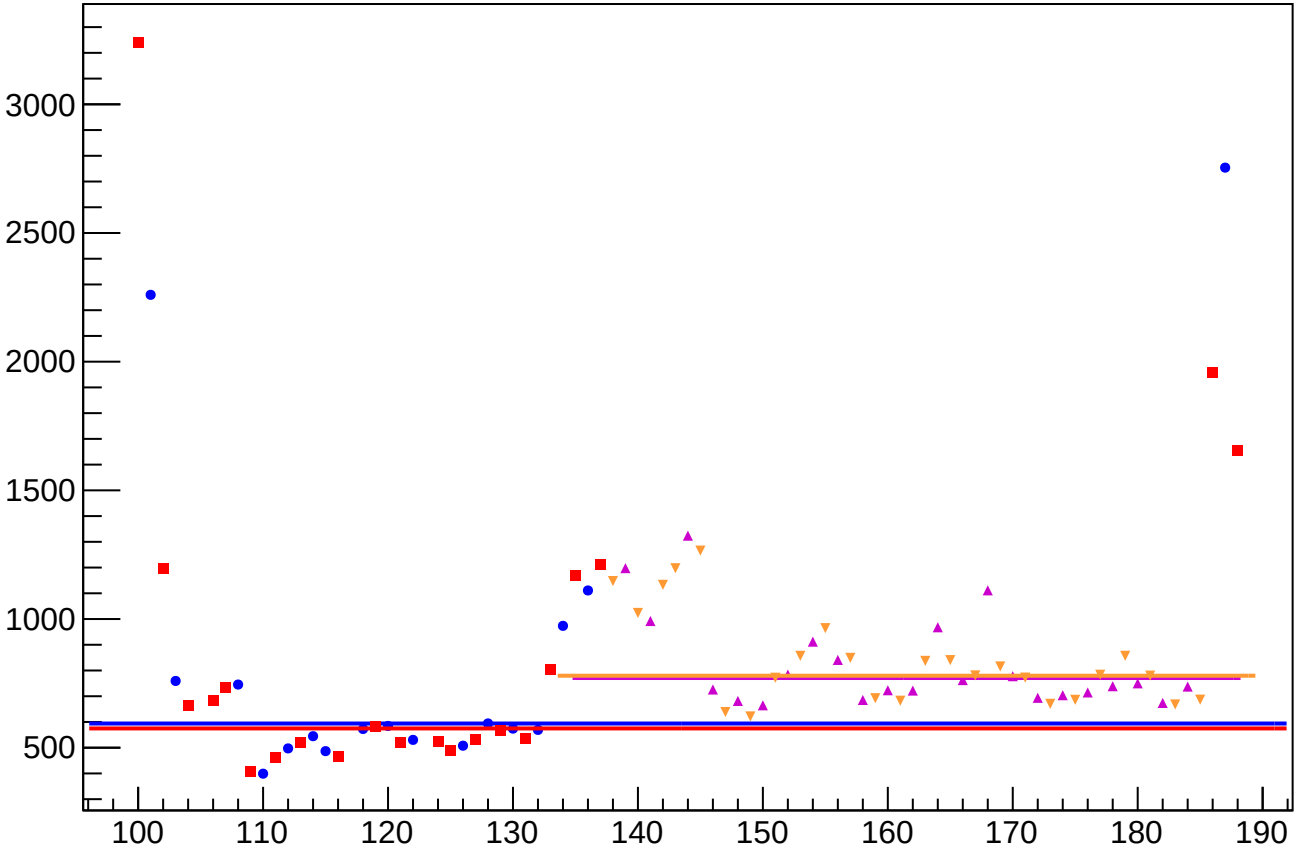
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -410.407+/-143.125 χ^2/NDF: 87.4/41

All: -346.713+/-99.815 χ^2/NDF: 120.2/85

- sign -286.400+/-139.275 χ^2/NDF: 32.4/43

asym_atr1_cor_correction_rms vs Slug



Right In: 593.966+/-0.165 χ^2/NDF: 1798924.7/16

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 574.866+/-0.151 χ^2/NDF: 2213941.5/20

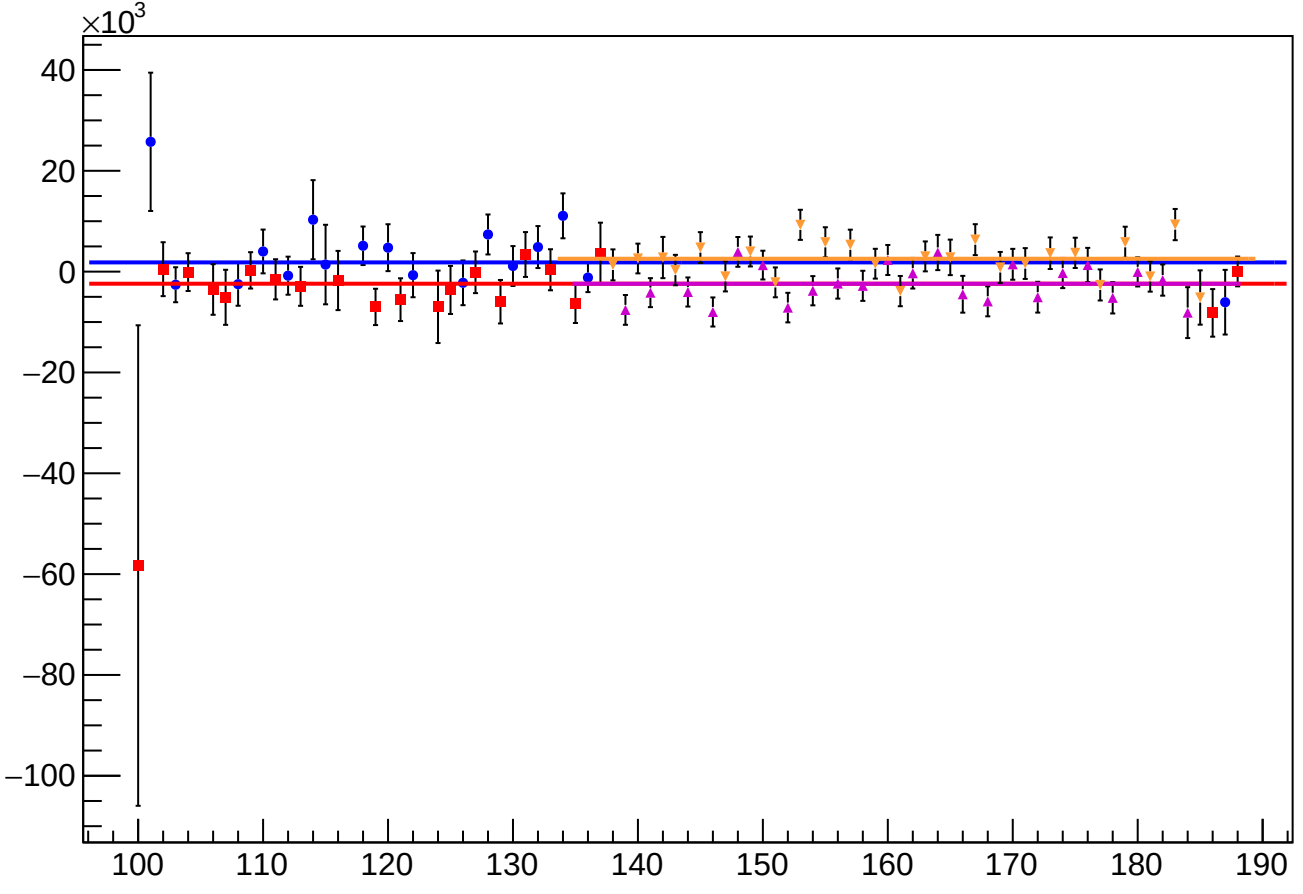
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 709.814+/-0.101 χ^2/NDF: 3833299.3/41

All: 698.479+/-0.071 χ^2/NDF: 8114584.9/85

- sign 687.745+/-0.098 χ^2/NDF: 4256862.2/43

eigen_cor_asym_atr1_mean vs Slug



Right In: 1828.783+/-1055.791 χ^2/NDF: 19.3/16

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2397.388+/-958.784 χ^2/NDF: 13.0/20

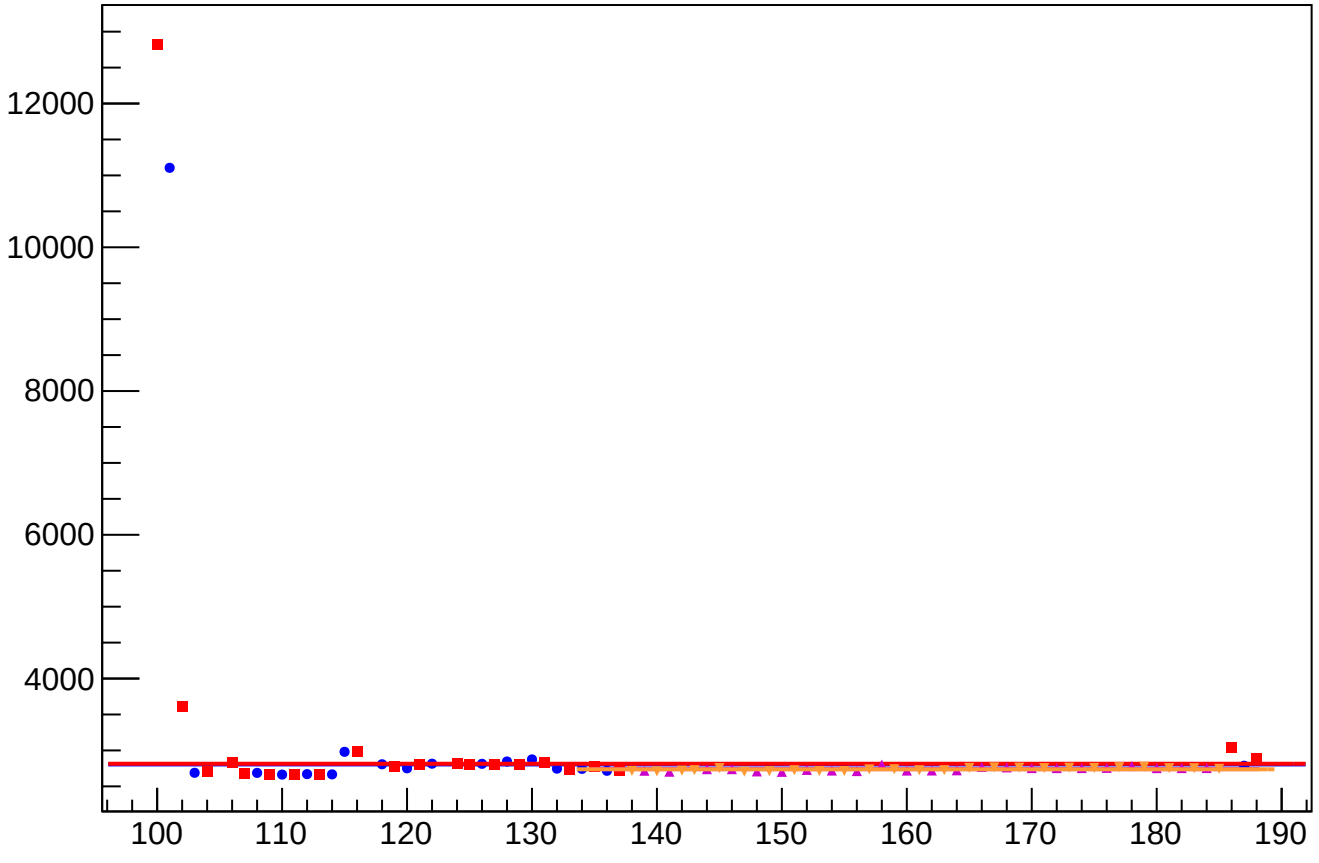
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2369.292+/-535.804 χ^2/NDF: 51.3/41

All: -34.227+/-377.571 χ^2/NDF: 135.6/85

- sign -2405.050+/-532.147 χ^2/NDF: 44.3/43

eigen_cor_asym_atr1_rms vs Slug



Right In: 2804.954+/-0.747 χ^2/NDF: 746255.3/16

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2814.594+/-0.678 χ^2/NDF: 153330.2/20

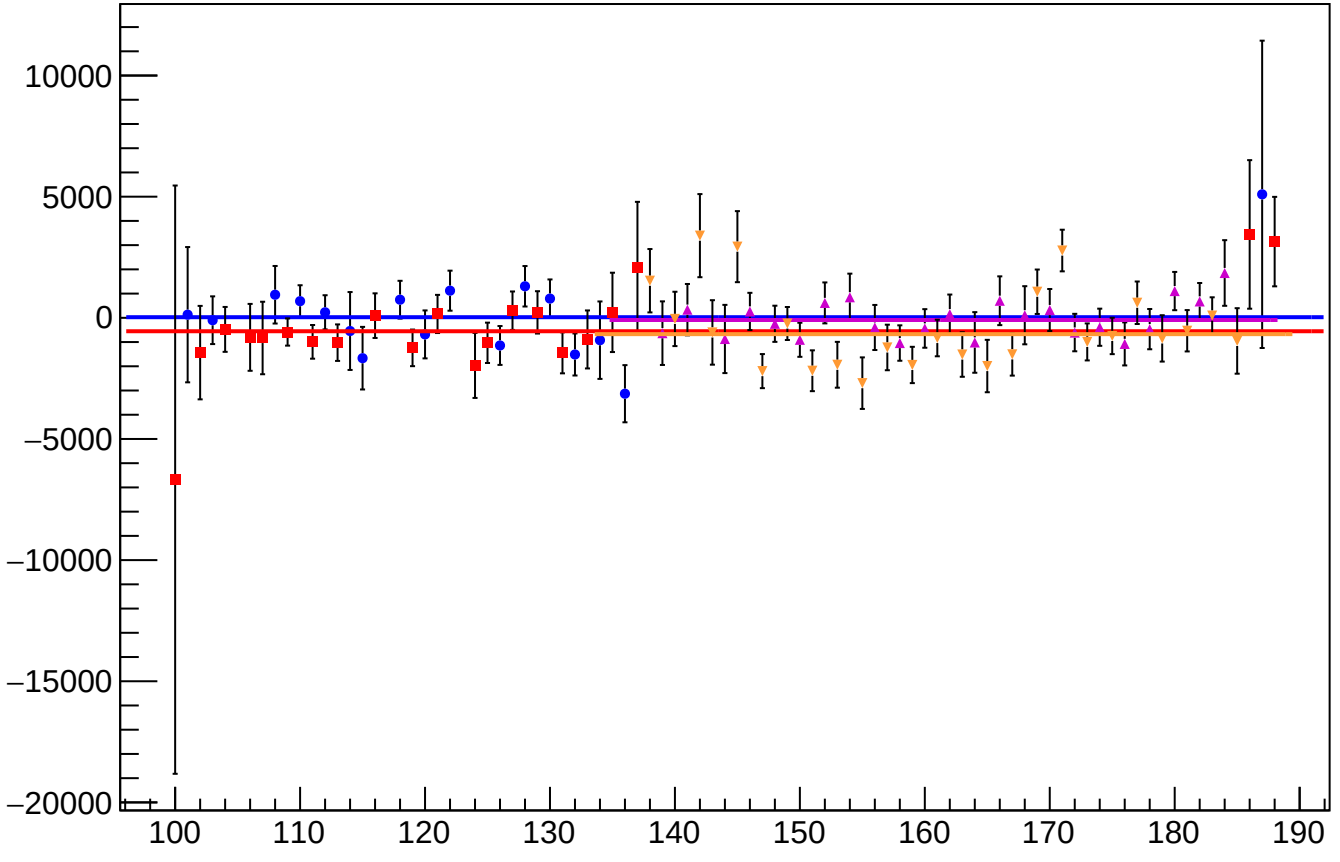
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.886+/-0.379 χ^2/NDF: 754630.7/41

All: 2758.913+/-0.267 χ^2/NDF: 919954.7/85

- sign 2762.884+/-0.376 χ^2/NDF: 165099.7/43

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: 25.812+/-233.313 χ^2/NDF: 23.4/16

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -553.817+/-213.918 χ^2/NDF: 14.9/20

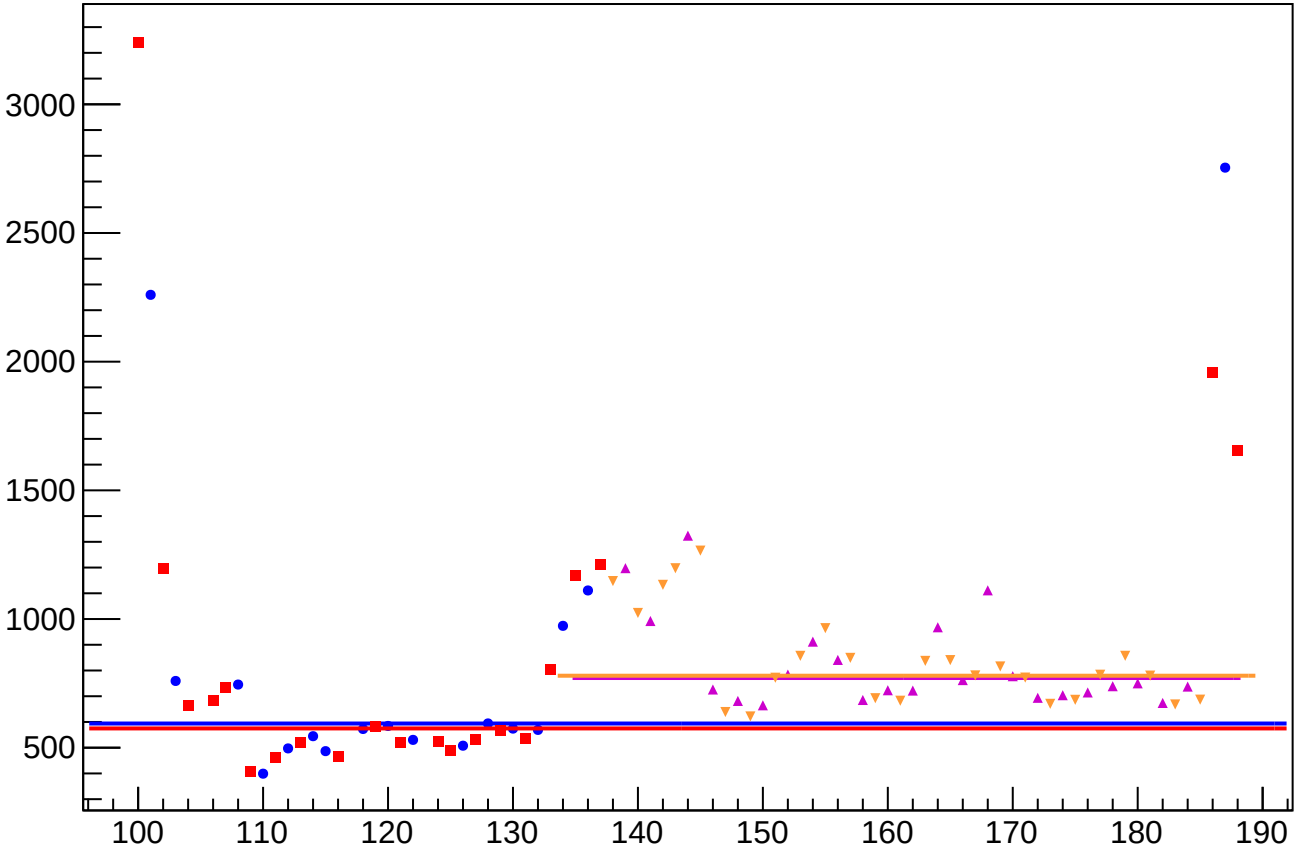
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -410.407+/-143.125 χ^2/NDF: 87.4/41

All: -346.713+/-99.815 χ^2/NDF: 120.2/85

- sign -286.400+/-139.275 χ^2/NDF: 32.4/43

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 593.966+/-0.165 χ^2/NDF: 1798924.7/16

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 574.866+/-0.151 χ^2/NDF: 2213941.5/20

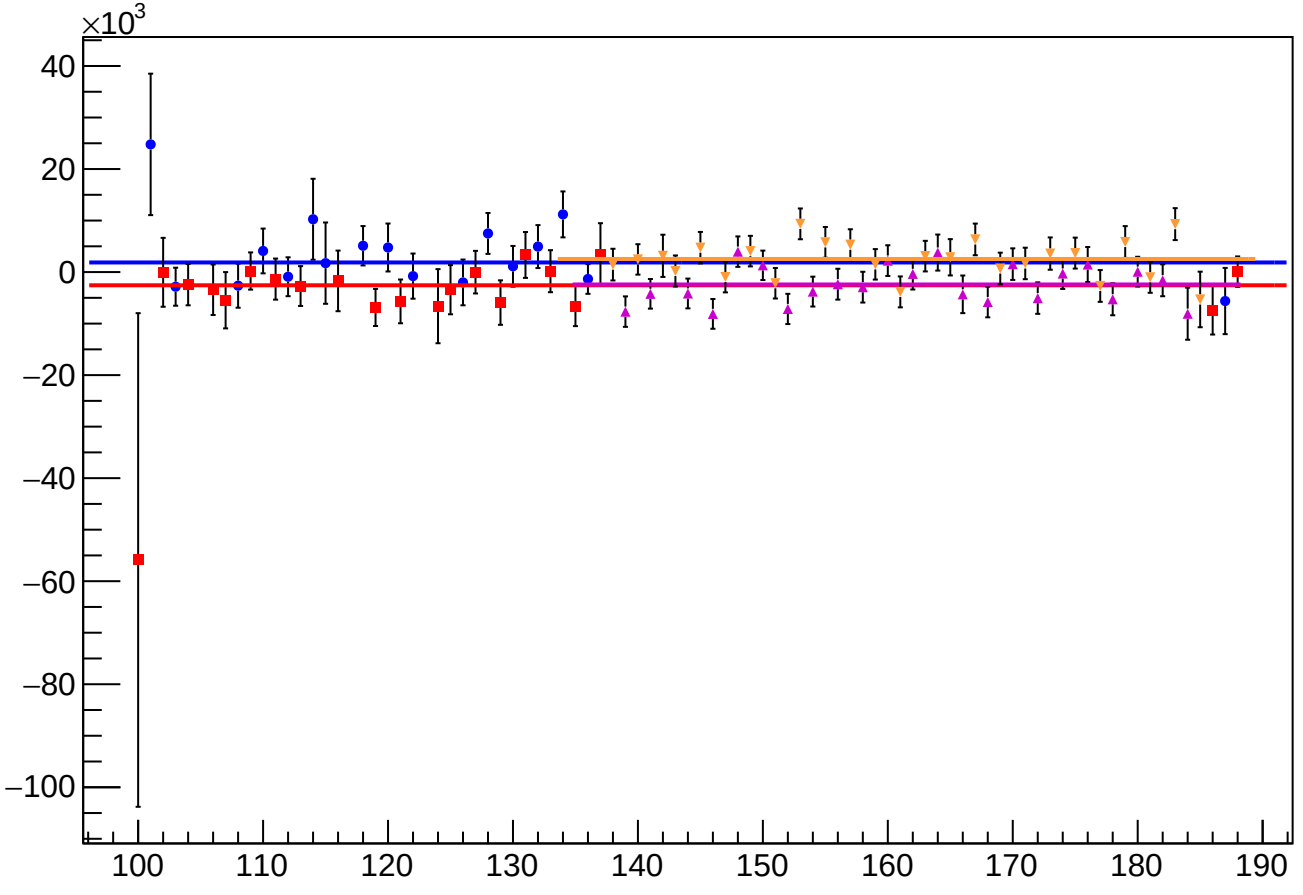
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 709.814+/-0.101 χ^2/NDF: 3833299.3/41

All: 698.479+/-0.071 χ^2/NDF: 8114584.9/85

- sign 687.745+/-0.098 χ^2/NDF: 4256862.2/43

dit_asym_atr1_mean vs Slug



Right In: 1864.770+/-1062.379 χ^2/NDF: 19.3/16

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2563.200+/-968.571 χ^2/NDF: 11.8/20

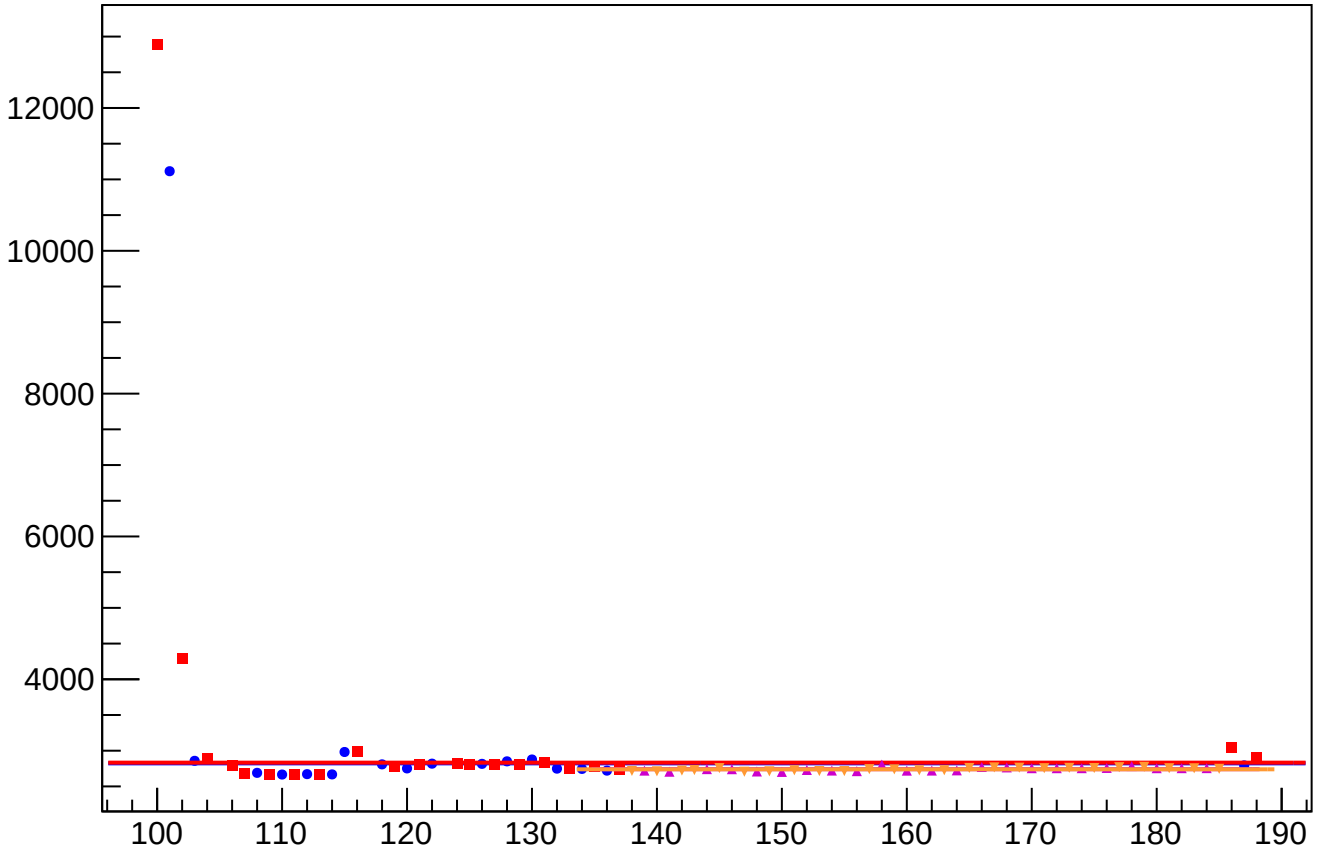
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2371.286+/-536.920 χ^2/NDF: 51.5/41

All: -54.658+/-378.627 χ^2/NDF: 135.7/85

- sign -2454.382+/-534.011 χ^2/NDF: 43.6/43

dit_asym_atr1_rms vs Slug



Right In: 2822.662+/-0.751 χ^2/NDF: 743955.1/16

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

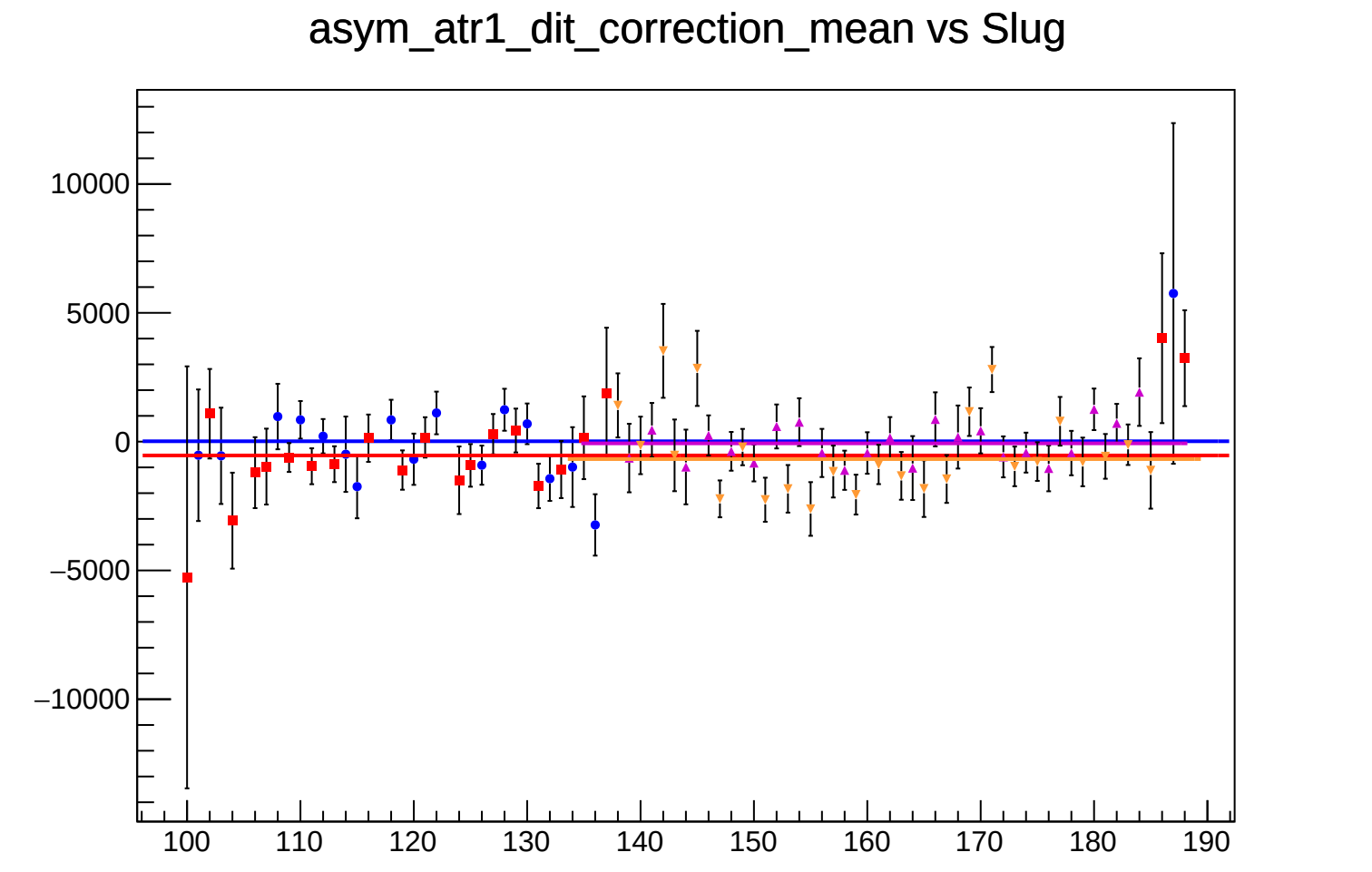
Right Out: 2832.685+/-0.685 χ^2/NDF: 206199.4/20

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.596+/-0.380 χ^2/NDF: 755445.4/41

All: 2764.892+/-0.268 χ^2/NDF: 977636.6/85

- sign 2769.142+/-0.378 χ^2/NDF: 221936.4/43



Right In: 14.447+/-237.302 χ^2/NDF: 23.6/16

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -536.554+/-215.172 χ^2/NDF: 18.3/20

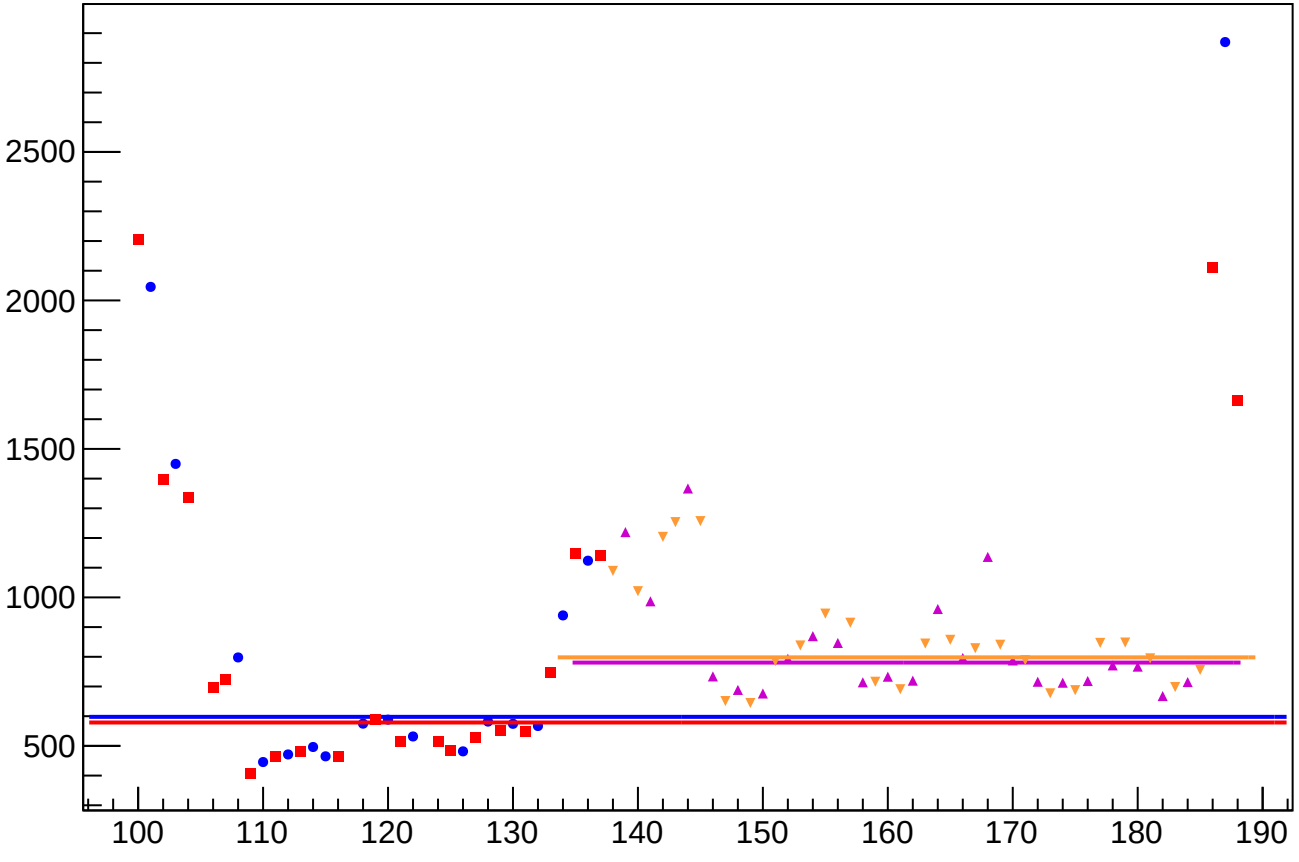
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -416.374+/-145.904 χ^2/NDF: 85.1/41

All: -338.959+/-101.193 χ^2/NDF: 122.5/85

- sign -267.204+/-140.469 χ^2/NDF: 36.8/43

asym_atr1_dit_correction_rms vs Slug



Right In: 597.787+/-0.168 χ^2/NDF: 2089091.2/16

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 578.780+/-0.152 χ^2/NDF: 2760182.7/20

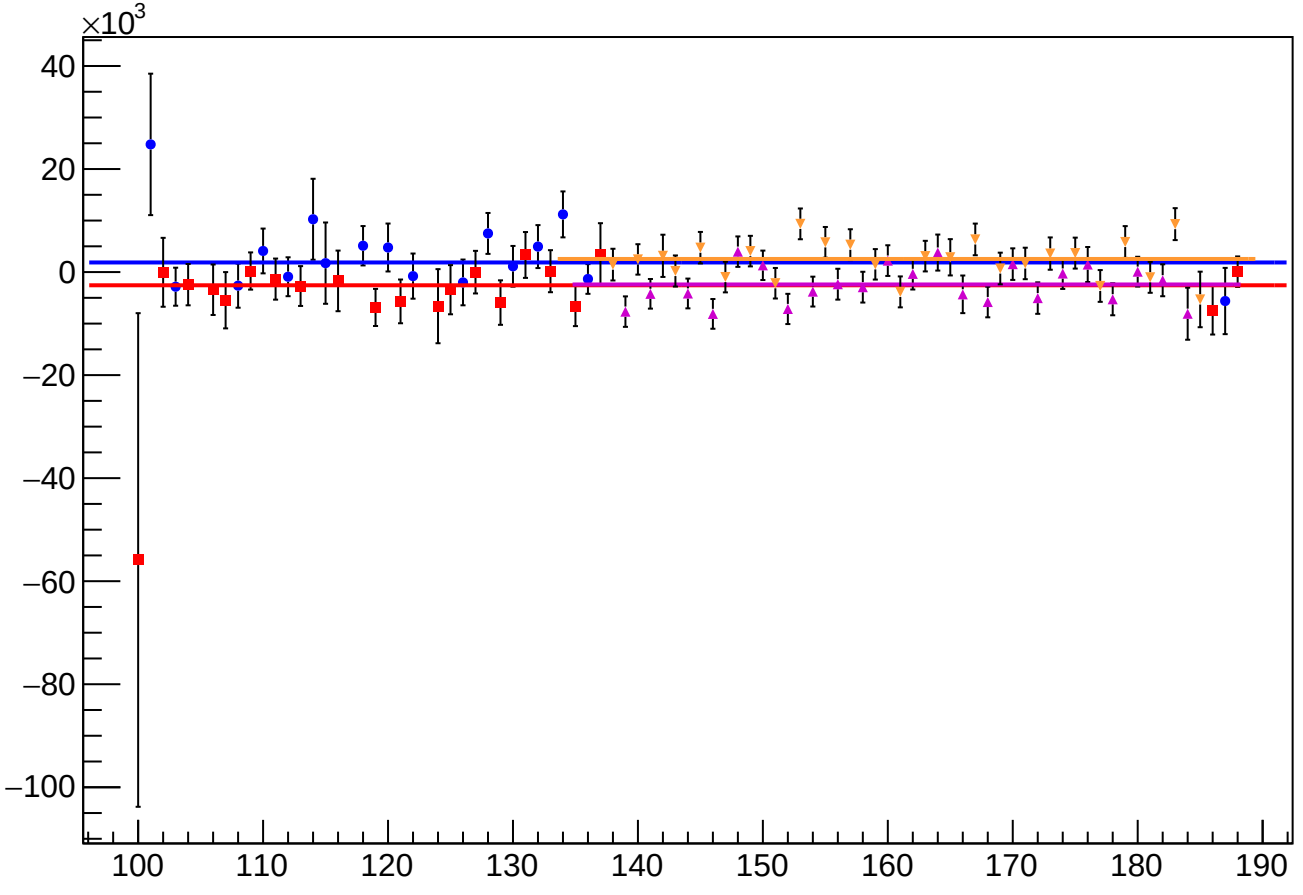
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 722.370+/-0.103 χ^2/NDF: 4143729.0/41

All: 707.930+/-0.072 χ^2/NDF: 9015370.1/85

- sign 694.546+/-0.099 χ^2/NDF: 4833893.9/43

eigen_dit_asym_atr1_mean vs Slug



Right In: 1864.769+/-1062.379 χ^2/NDF: 19.3/16

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2563.197+/-968.571 χ^2/NDF: 11.8/20

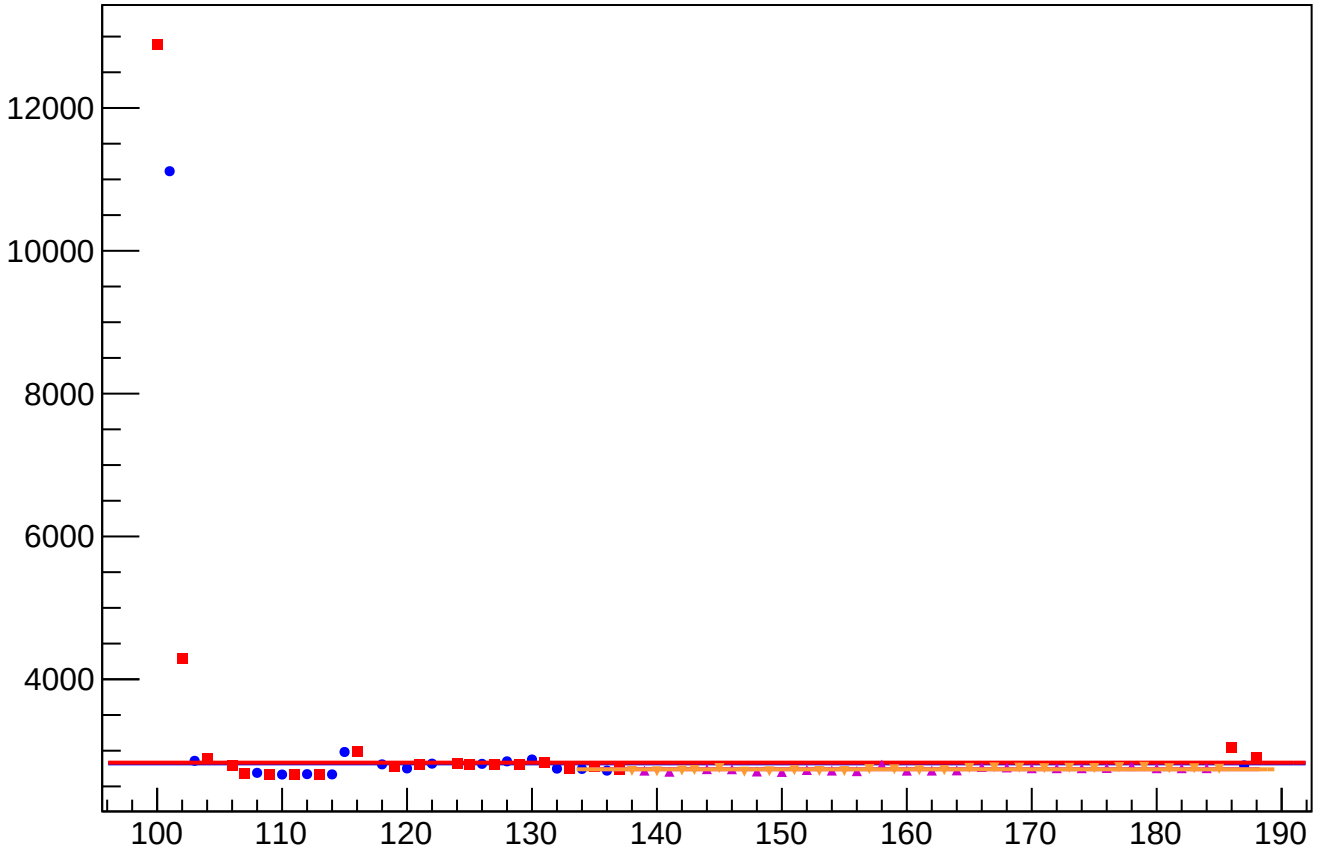
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2371.286+/-536.920 χ^2/NDF: 51.5/41

All: -54.658+/-378.627 χ^2/NDF: 135.7/85

- sign -2454.381+/-534.011 χ^2/NDF: 43.6/43

eigen_dit_asym_atr1_rms vs Slug



Right In: 2822.662+/-0.751 χ^2/NDF: 743955.1/16

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

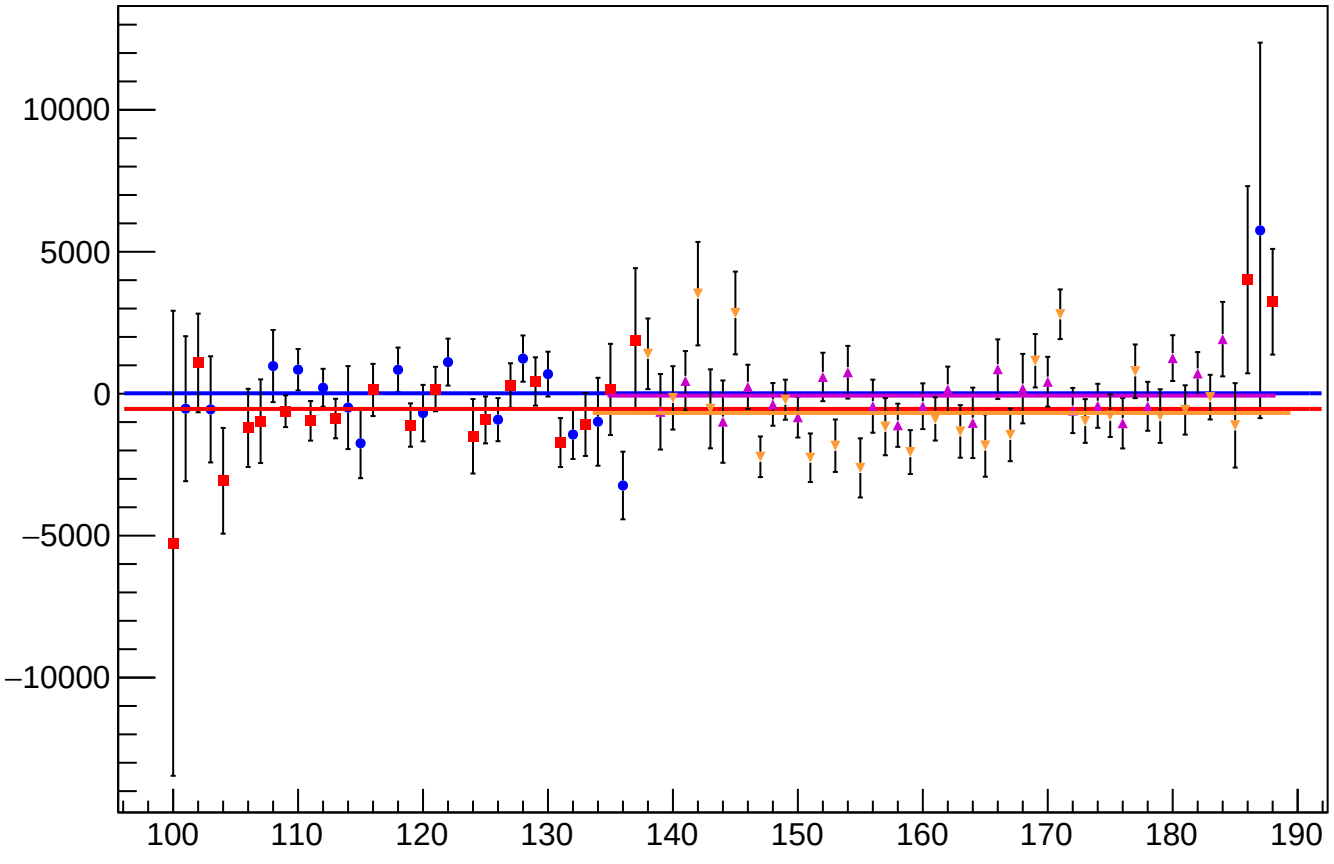
Right Out: 2832.685+/-0.685 χ^2/NDF: 206199.3/20

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.596+/-0.380 χ^2/NDF: 755445.4/41

All: 2764.892+/-0.268 χ^2/NDF: 977636.3/85

- sign 2769.142+/-0.378 χ^2/NDF: 221936.2/43



Right In: 14.448+/-237.302 χ^2/NDF: 23.6/16

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -536.554+/-215.172 χ^2/NDF: 18.3/20

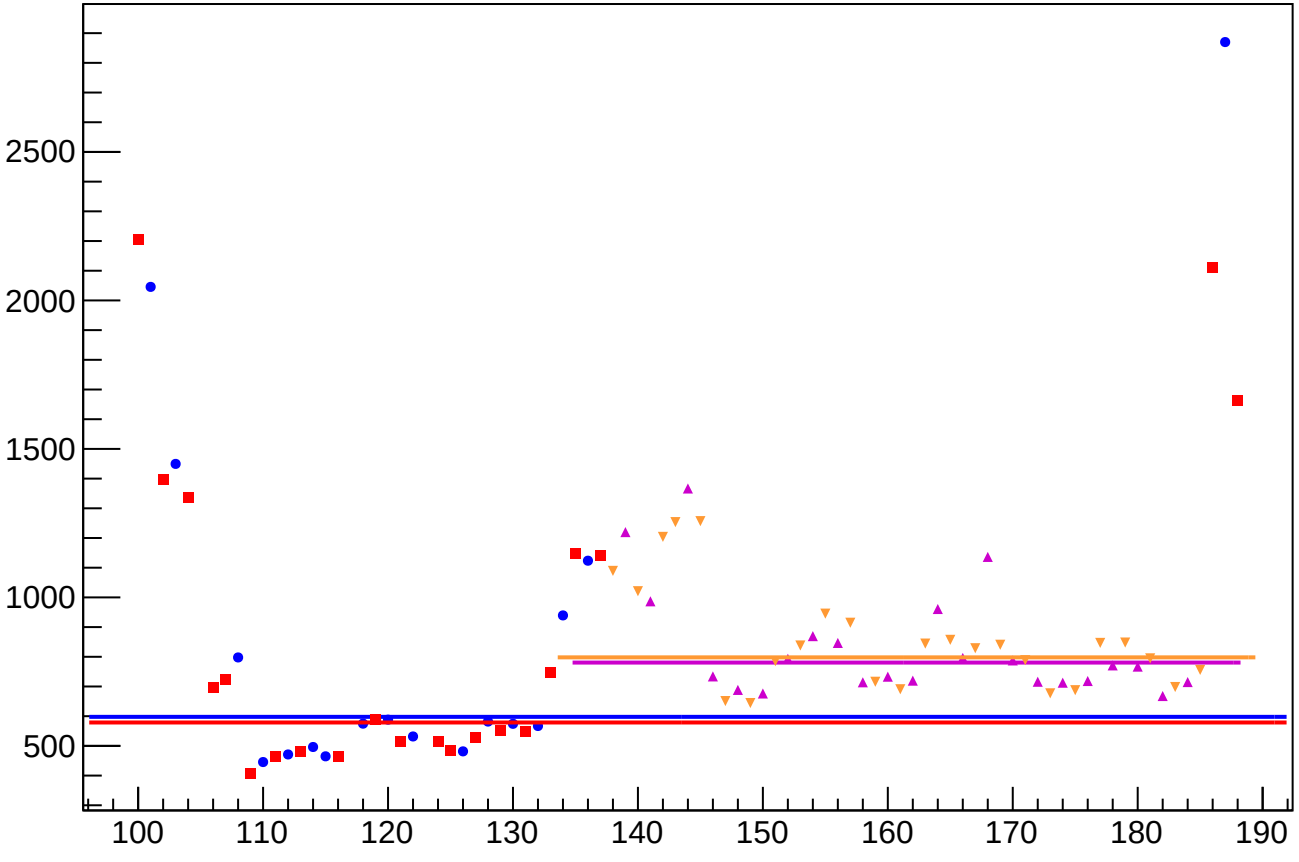
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

\+ sign -416.374+/-145.904 χ^2/NDF: 85.1/41

All: -338.959+/-101.193 χ^2/NDF: 122.5/85

\- sign -267.204+/-140.469 χ^2/NDF: 36.8/43

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 597.788+/-0.168 χ^2/NDF: 2089085.8/16

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

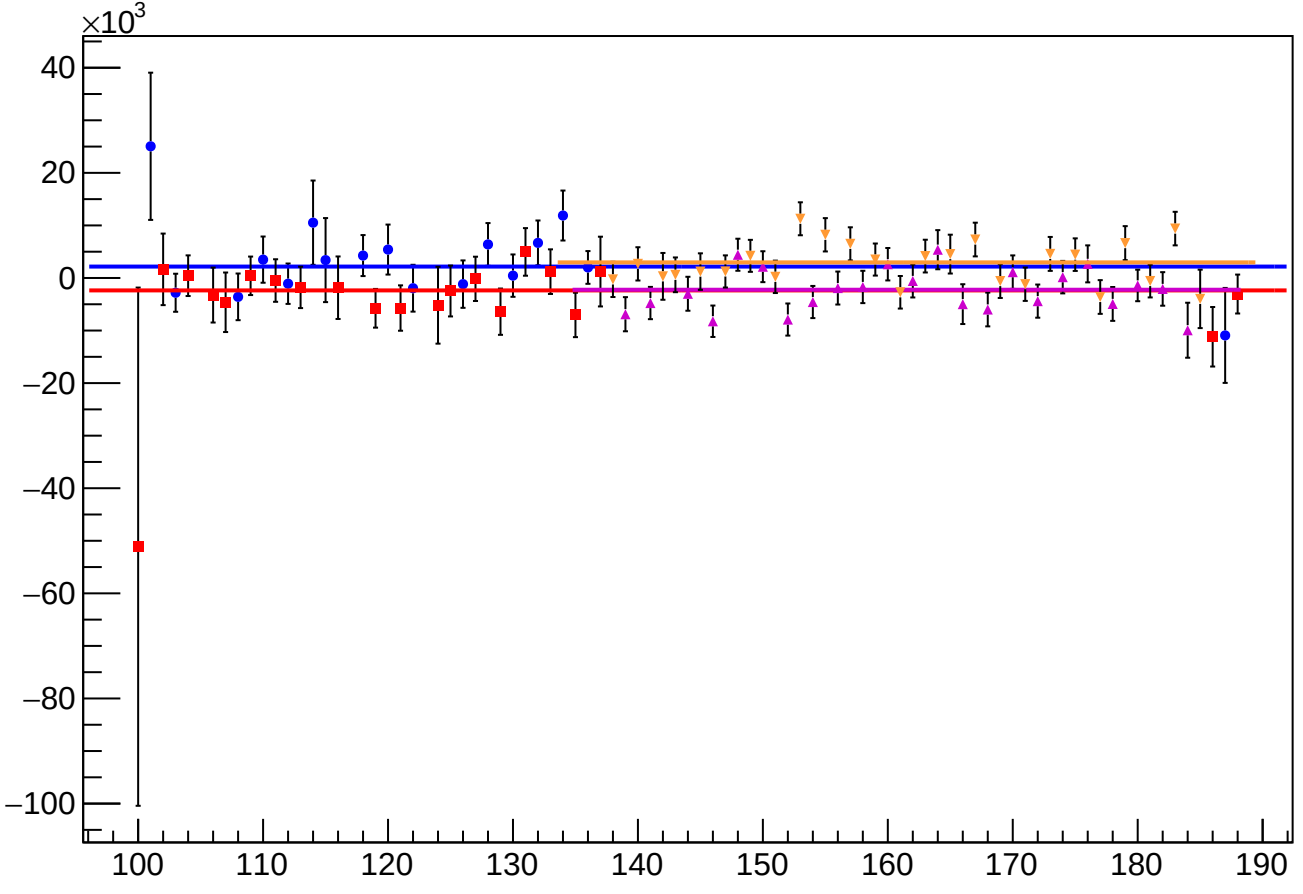
Right Out: 578.780+/-0.152 χ^2/NDF: 2760181.1/20

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 722.370+/-0.103 χ^2/NDF: 4143721.9/41

All: 707.930+/-0.072 χ^2/NDF: 9015362.2/85

- sign 694.546+/-0.099 χ^2/NDF: 4833892.4/43



Right In: 2170.763+/-1098.001 χ^2/NDF: 19.0/16

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2363.604+/-1015.863 χ^2/NDF: 12.9/20

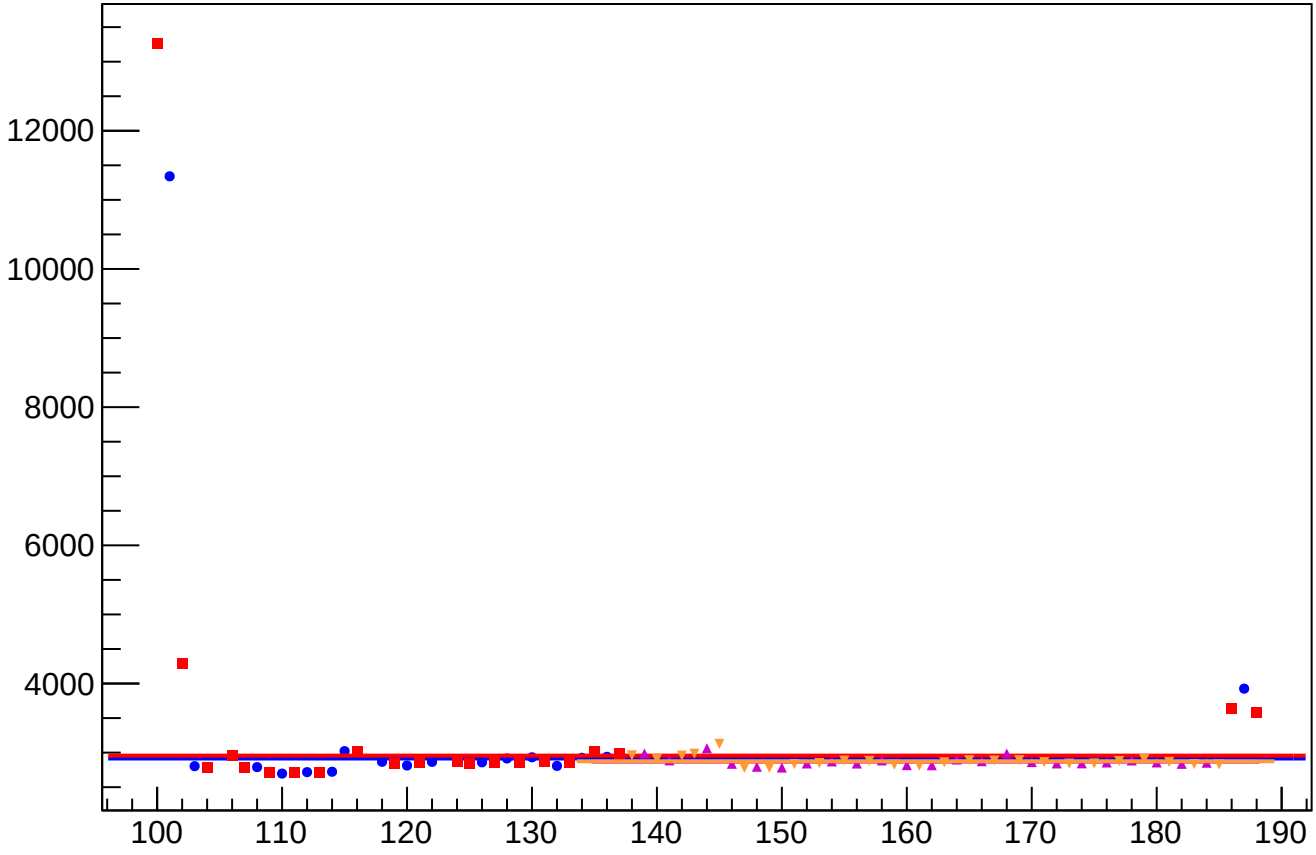
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2760.552+/-561.428 χ^2/NDF: 55.1/41

All: 233.727+/-396.305 χ^2/NDF: 142.2/85

- sign -2275.749+/-559.497 χ^2/NDF: 46.7/43

asym_atr1_rms vs Slug



Right In: 2914.987+/-0.776 χ^2/NDF: 767242.6/16

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 2956.815+/-0.718 χ^2/NDF: 290925.5/20

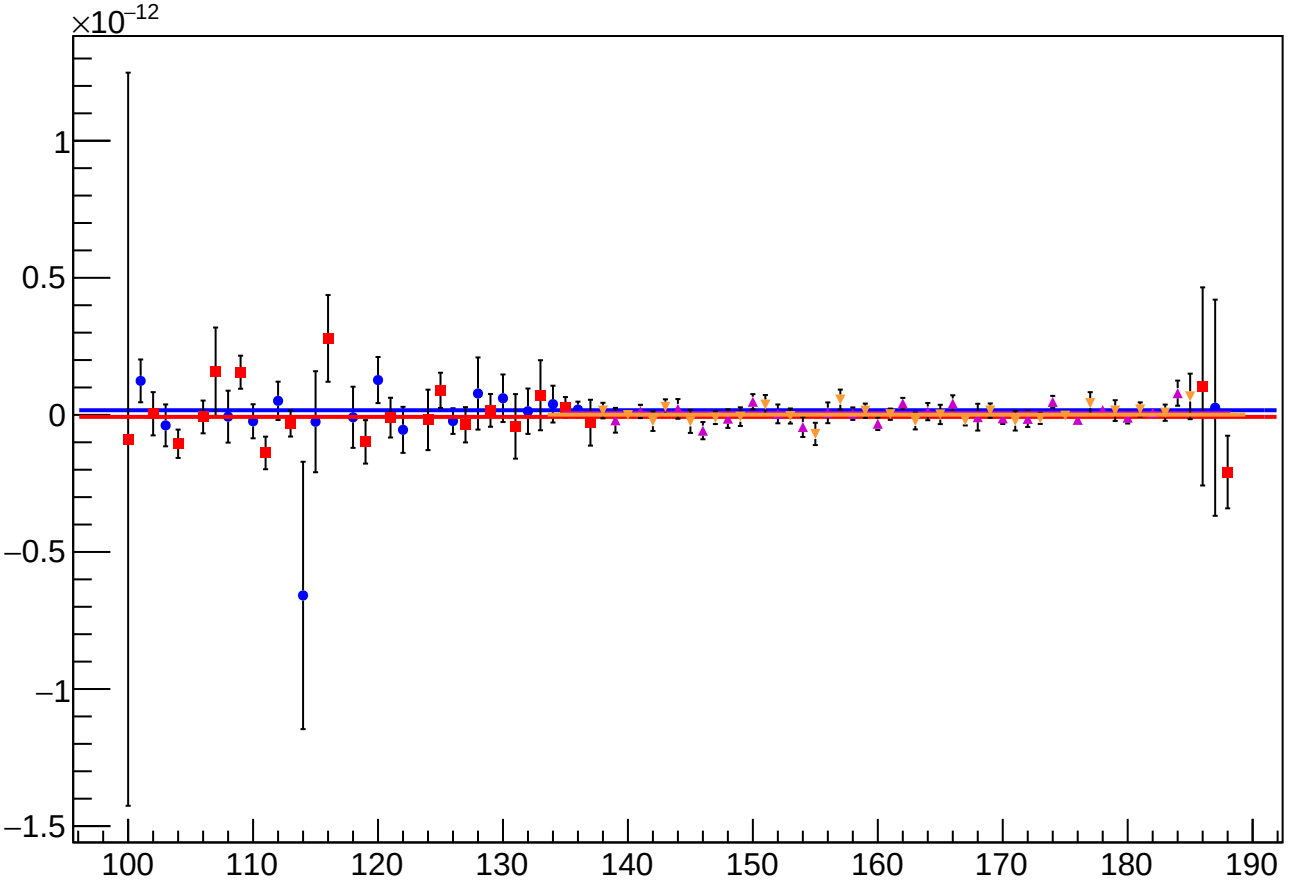
Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2885.405+/-0.397 χ^2/NDF: 790997.0/41

All: 2890.942+/-0.280 χ^2/NDF: 1110137.7/85

- sign 2896.441+/-0.396 χ^2/NDF: 318753.0/43

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

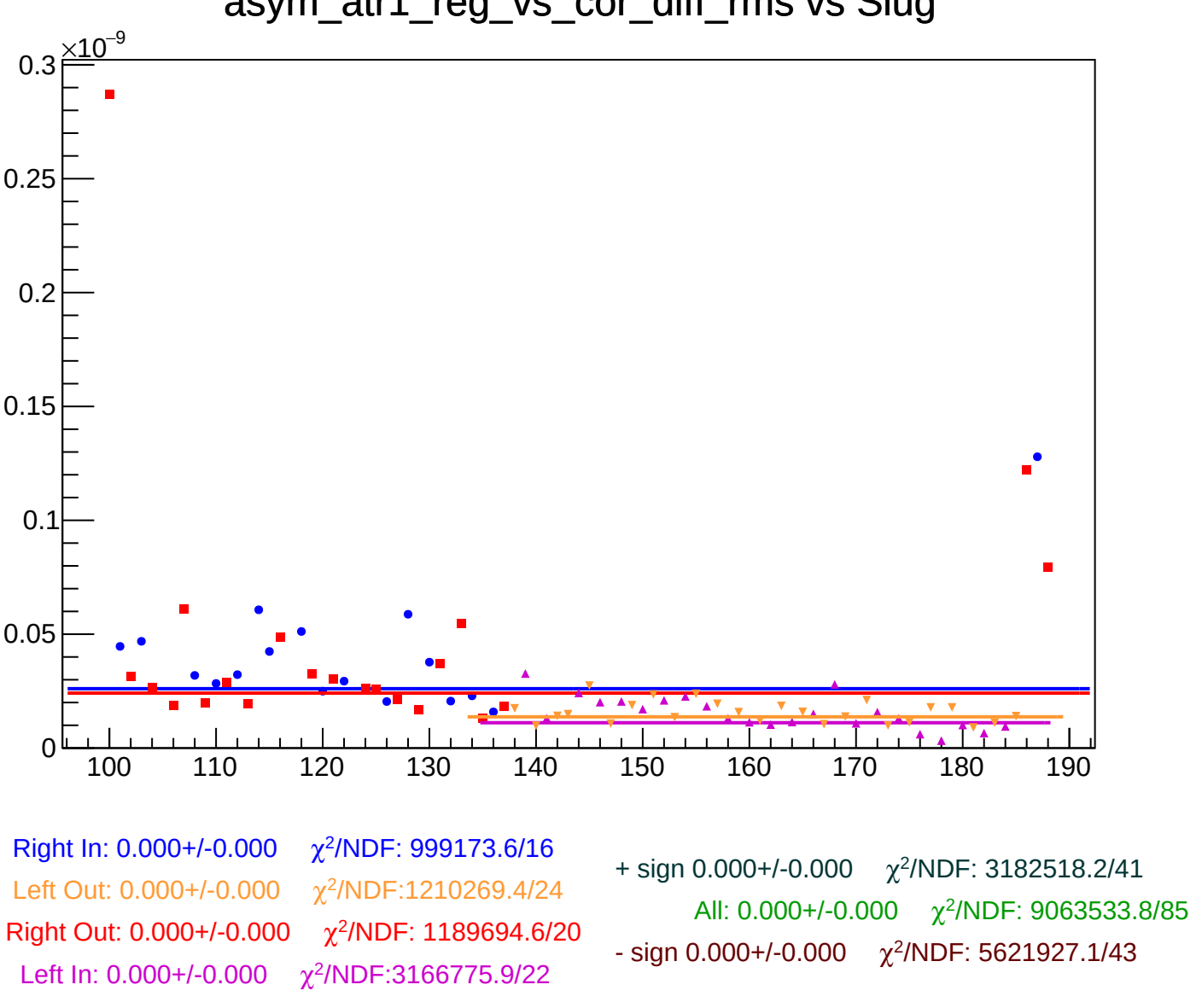
Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/20

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

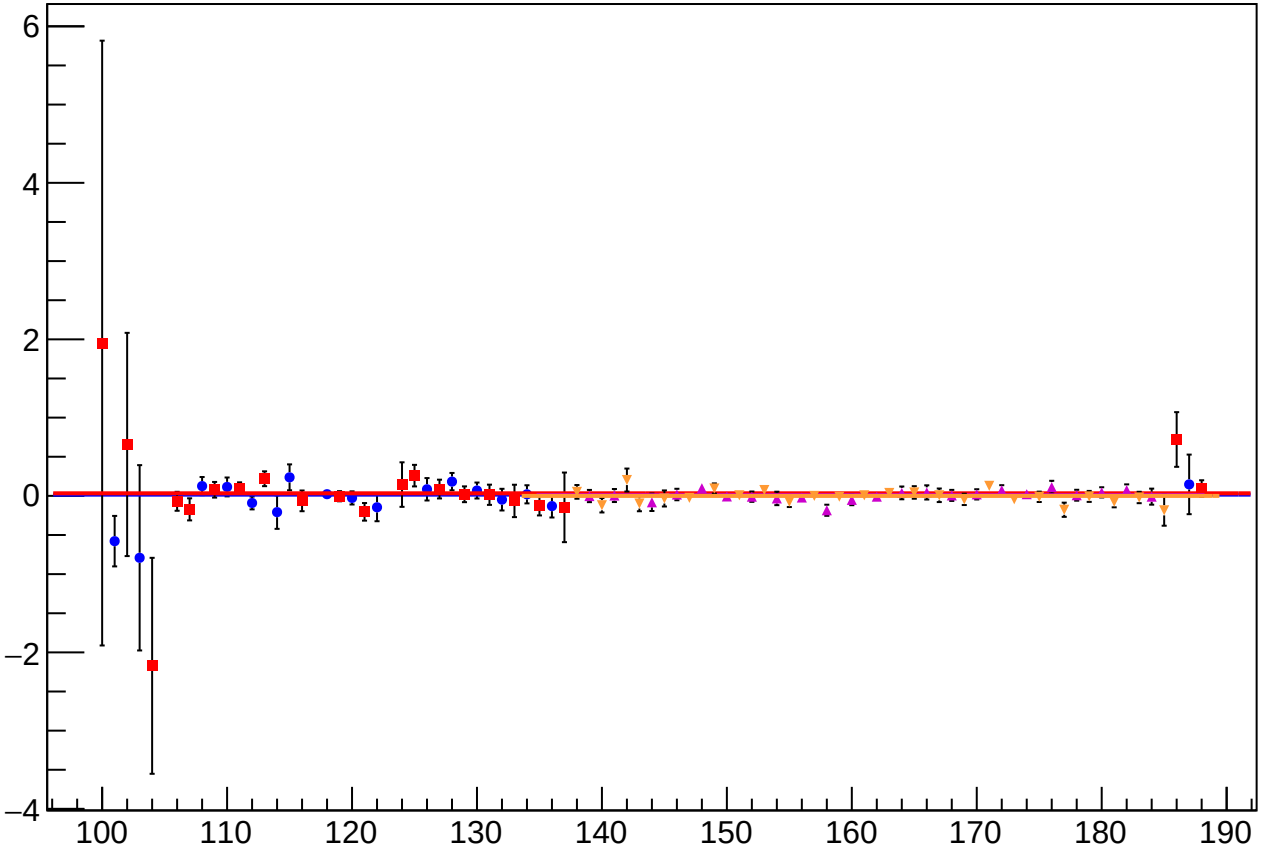
+ sign 0.000+/-0.000 χ^2/NDF: 24.1/41

All: 0.000+/-0.000 χ^2/NDF: 81.1/85

- sign 0.000+/-0.000 χ^2/NDF: 56.8/43


asym_atr1_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 999173.6/16
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 1189694.6/20
Left In: 0.000+/-0.000 χ²/NDF:3166775.9/22
+ sign 0.000+/-0.000 χ²/NDF: 3182518.2/41
All: 0.000+/-0.000 χ²/NDF: 9063533.8/85
- sign 0.000+/-0.000 χ²/NDF: 5621927.1/43

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.033+/-0.027 χ^2/NDF: 25.1/20

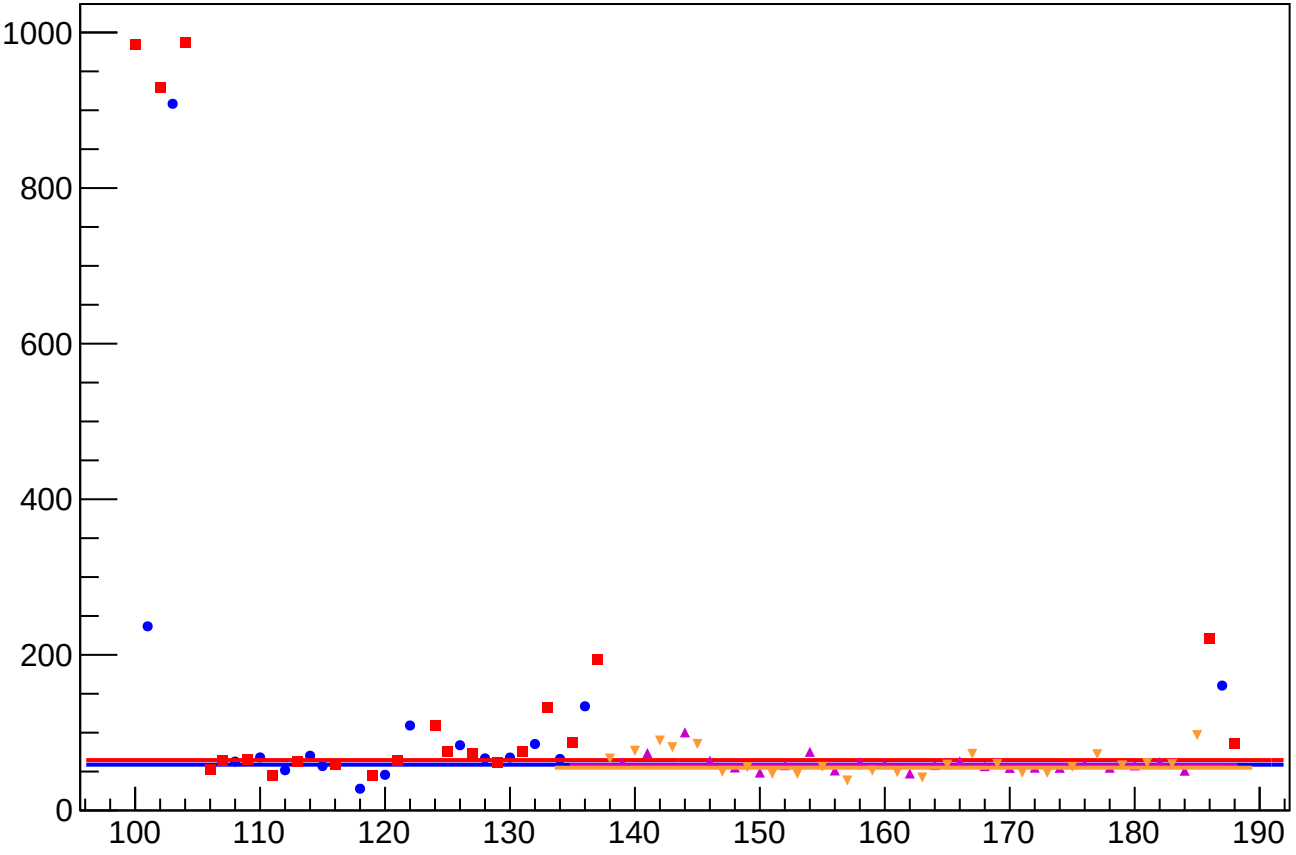
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 38.0/41

All: 0.008+/-0.009 χ^2/NDF: 79.6/85

- sign 0.014+/-0.013 χ^2/NDF: 41.2/43

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.856+/-0.020 χ^2/NDF: 3403735.6/16

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 64.739+/-0.019 χ^2/NDF: 3126042.4/20

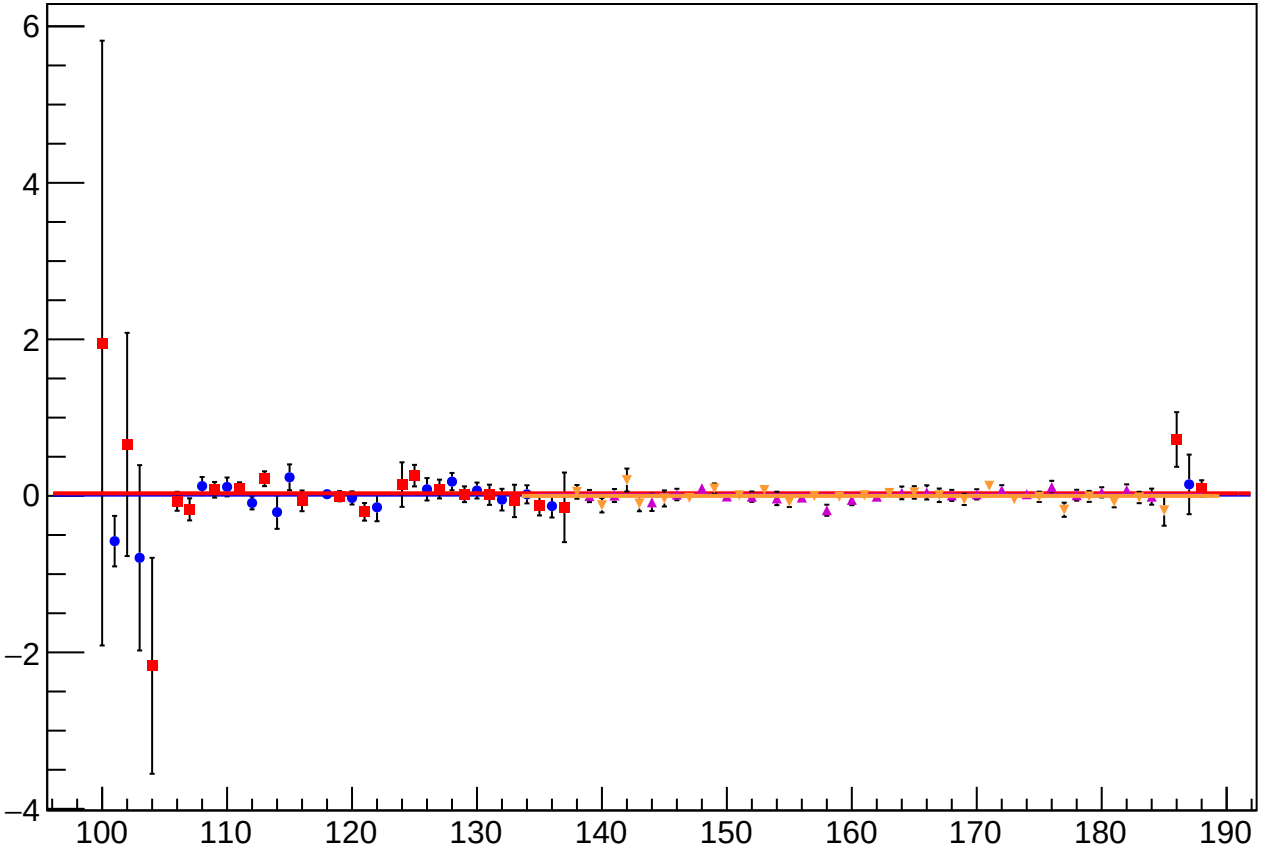
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 55.735+/-0.009 χ^2/NDF: 4733179.9/41

All: 57.634+/-0.006 χ^2/NDF: 8702825.0/85

- sign 59.666+/-0.009 χ^2/NDF: 3875150.0/43

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.033+/-0.027 χ^2/NDF: 25.1/20

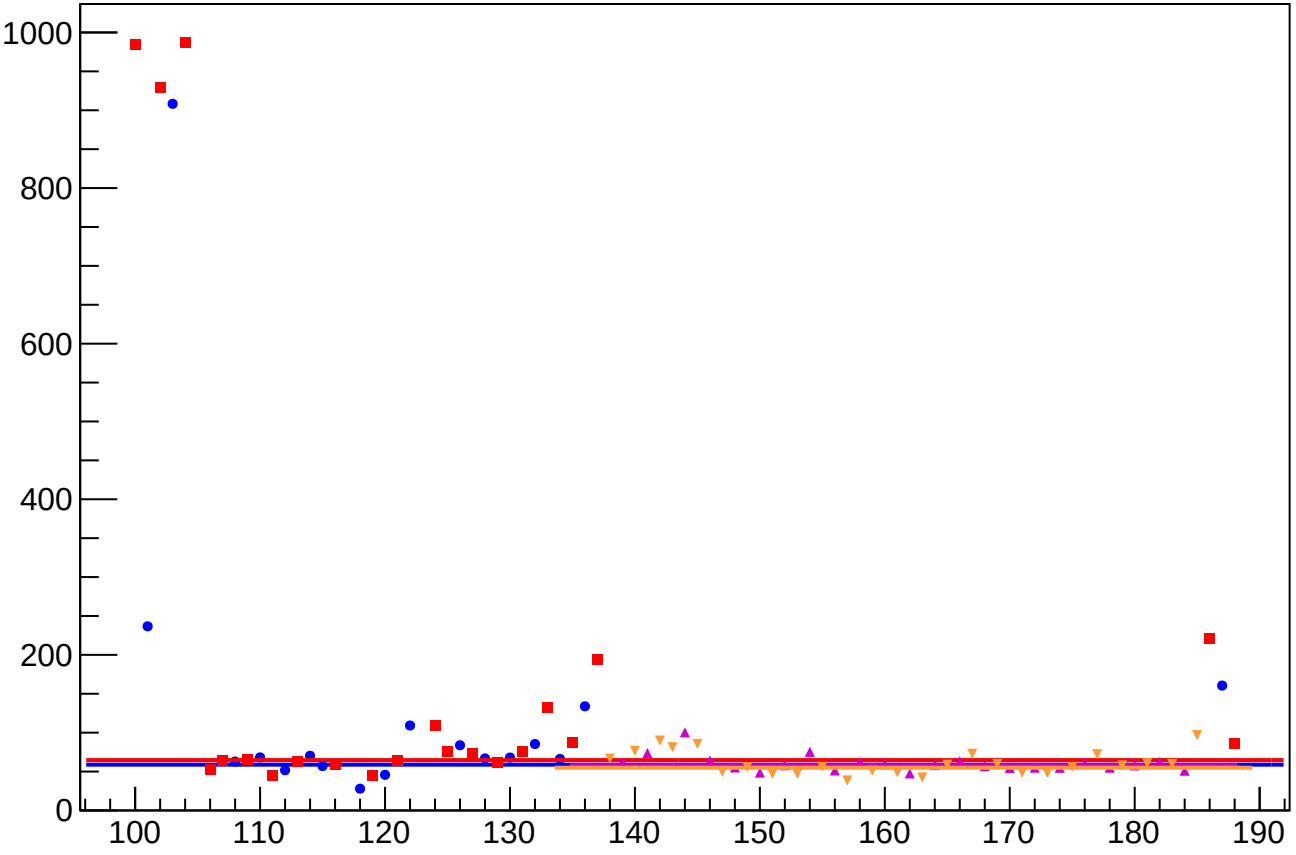
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 38.0/41

All: 0.008+/-0.009 χ^2/NDF: 79.6/85

- sign 0.014+/-0.013 χ^2/NDF: 41.2/43

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.856+/-0.020 χ^2/NDF: 3403735.6/16

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

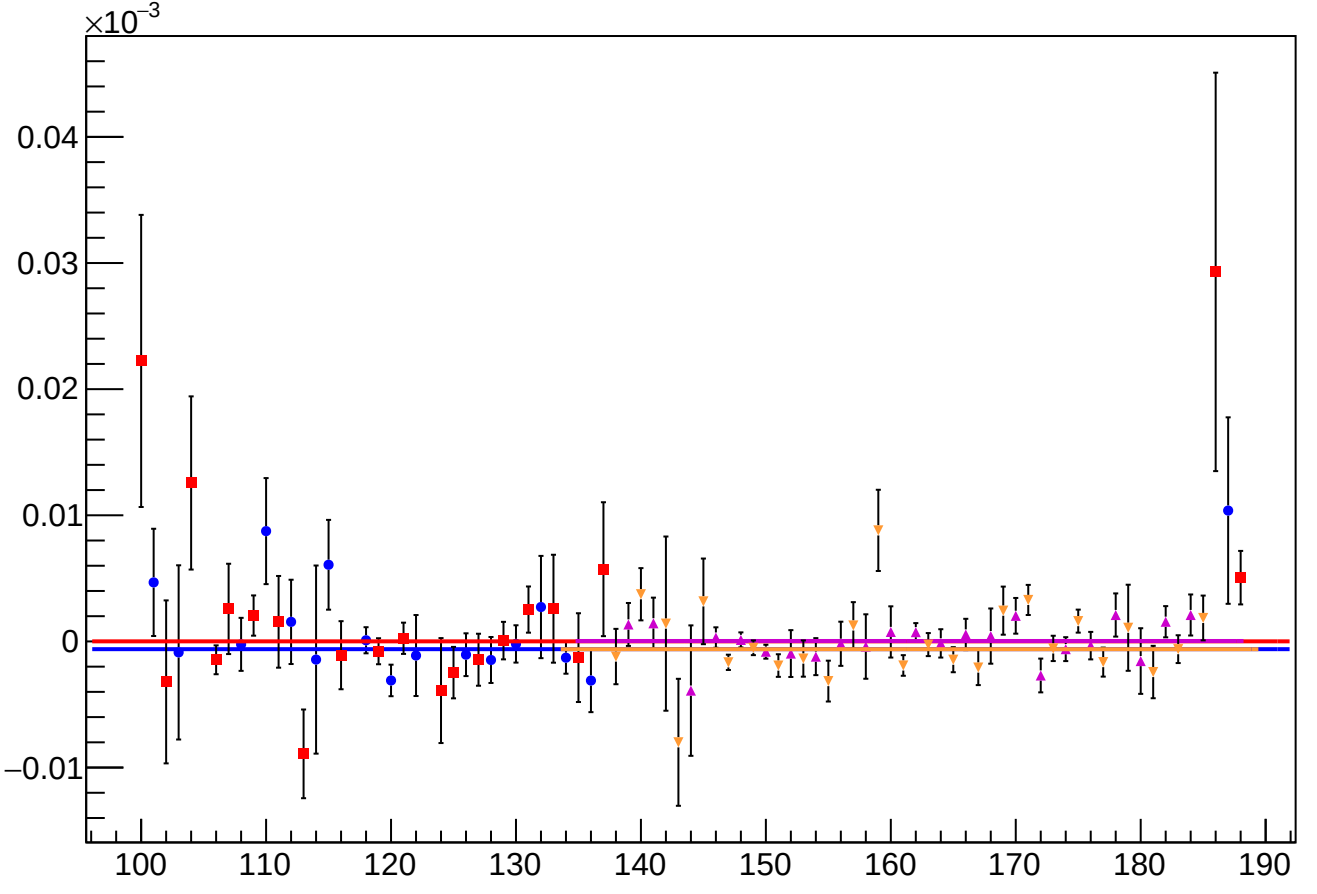
Right Out: 64.739+/-0.019 χ^2/NDF: 3126042.4/20

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 55.735+/-0.009 χ^2/NDF: 4733179.9/41

All: 57.634+/-0.006 χ^2/NDF: 8702825.0/85

- sign 59.666+/-0.009 χ^2/NDF: 3875150.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/20

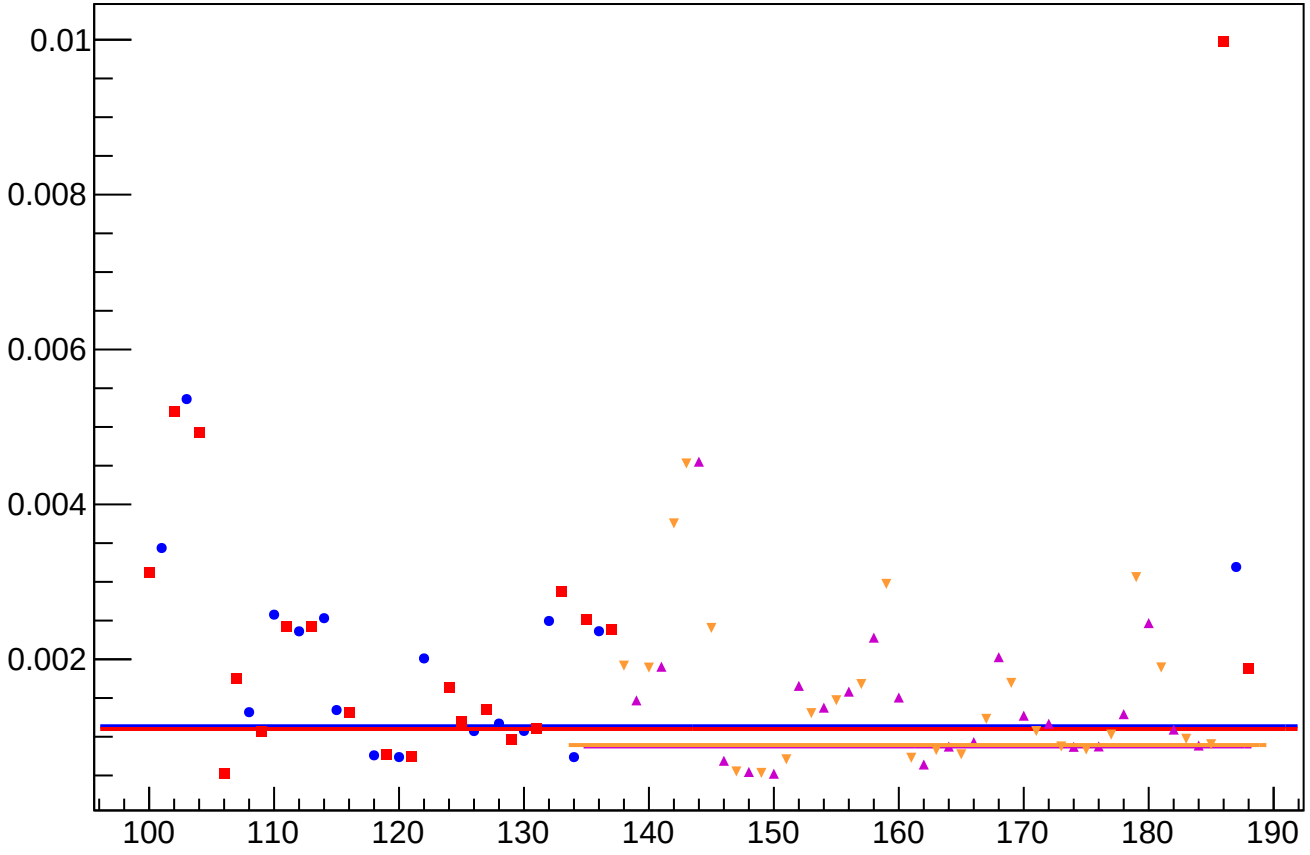
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.2/41

All: -0.000+/-0.000 χ^2/NDF: 129.1/85

- sign 0.000+/-0.000 χ^2/NDF: 52.2/43

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3608610.8/16

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4770578.9/20

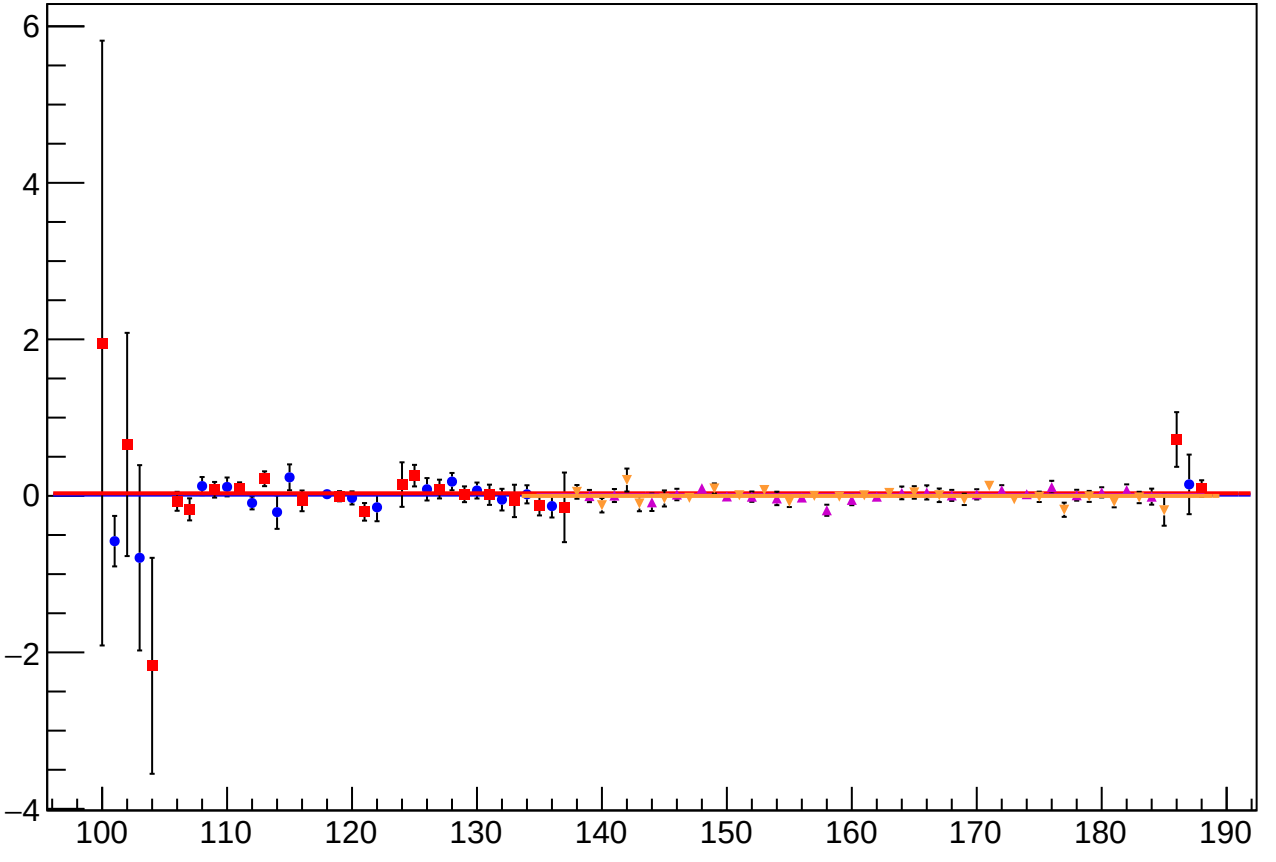
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 11748498.7/41

All: 0.001+/-0.000 χ^2/NDF: 23876948.5/85

- sign 0.001+/-0.000 χ^2/NDF: 12123373.6/43

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.033+/-0.027 χ^2/NDF: 25.1/20

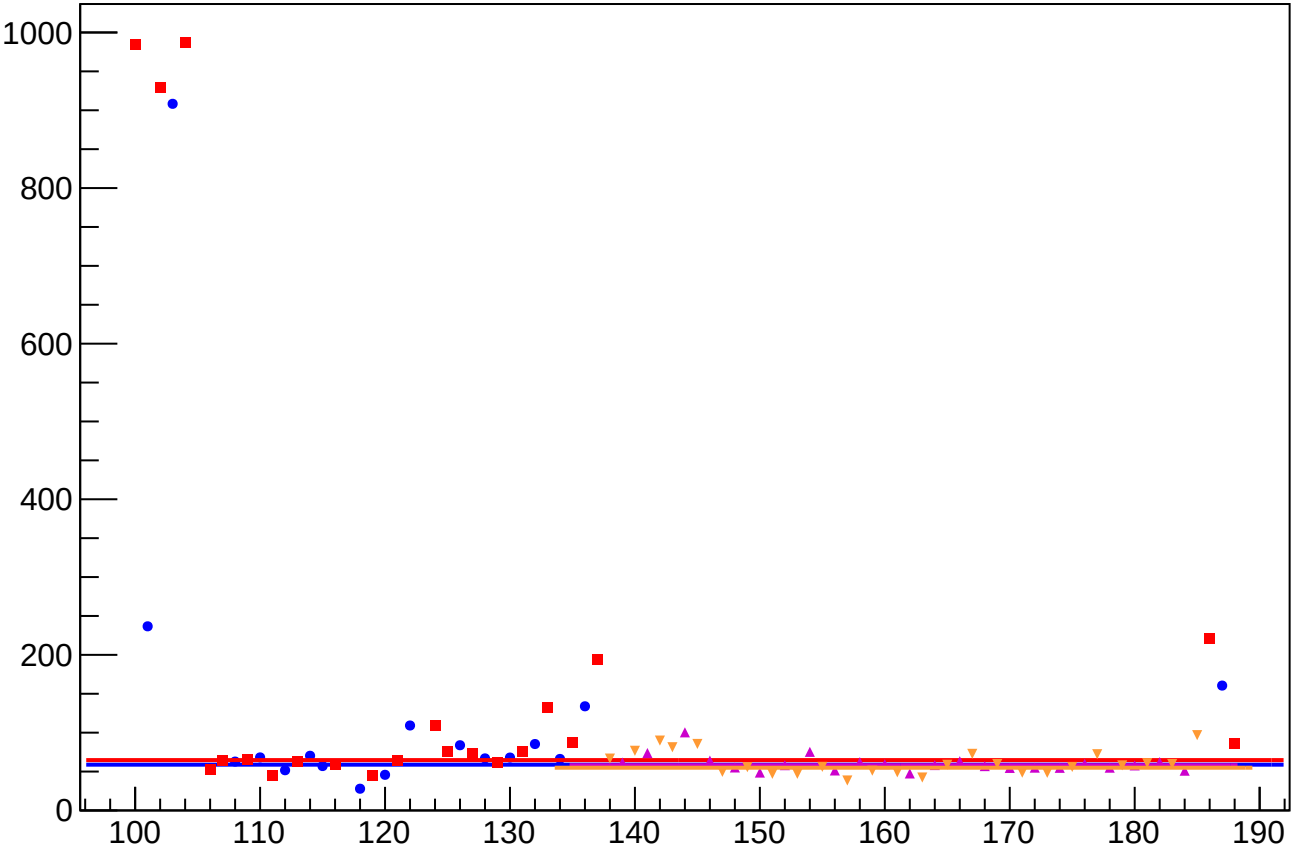
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 38.0/41

All: 0.008+/-0.009 χ^2/NDF: 79.6/85

- sign 0.014+/-0.013 χ^2/NDF: 41.2/43

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.855+/-0.020 χ^2/NDF: 3403820.7/16

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 64.738+/-0.019 χ^2/NDF: 3126042.1/20

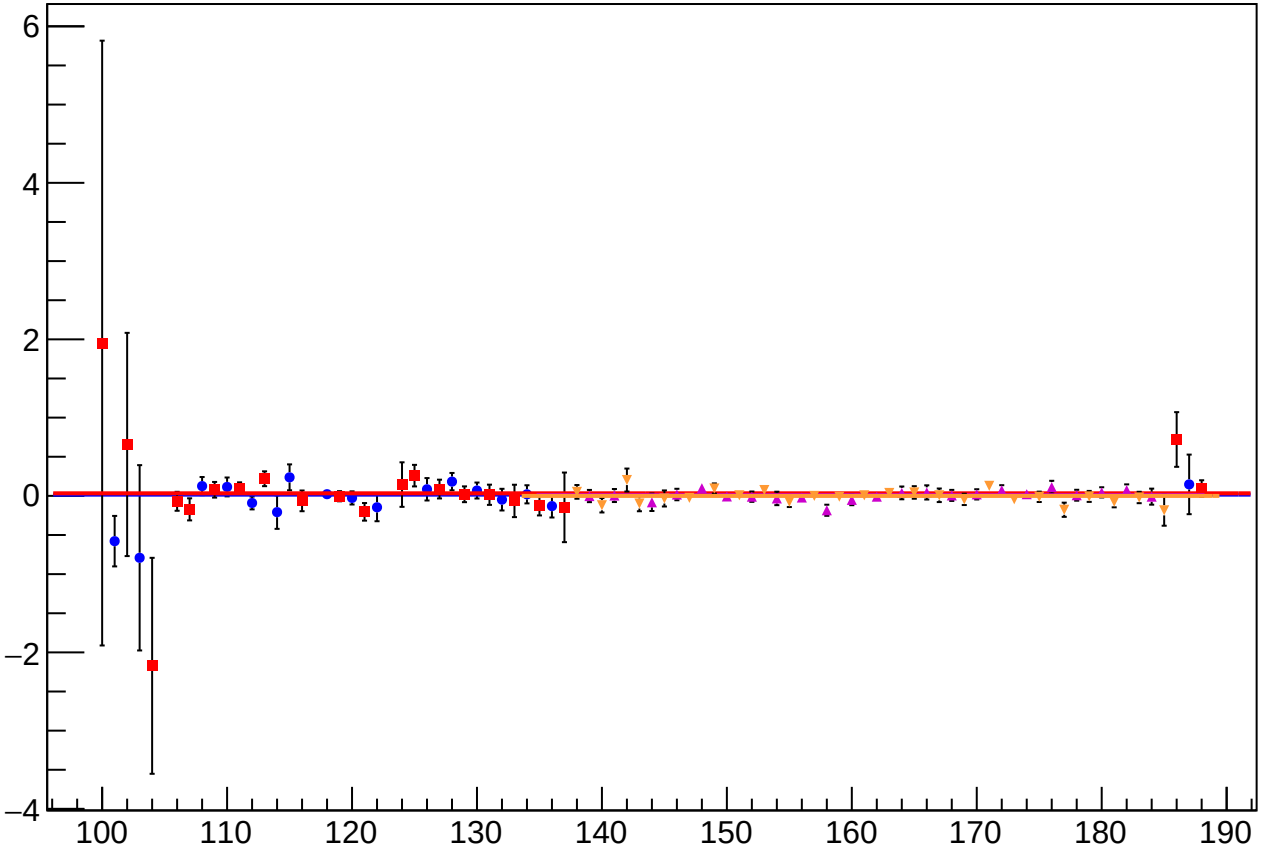
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

\+ sign 55.735+/-0.009 χ^2/NDF: 4733334.4/41

All: 57.633+/-0.006 χ^2/NDF: 8703019.0/85

\- sign 59.666+/-0.009 χ^2/NDF: 3875165.7/43

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.033+/-0.027 χ^2/NDF: 25.1/20

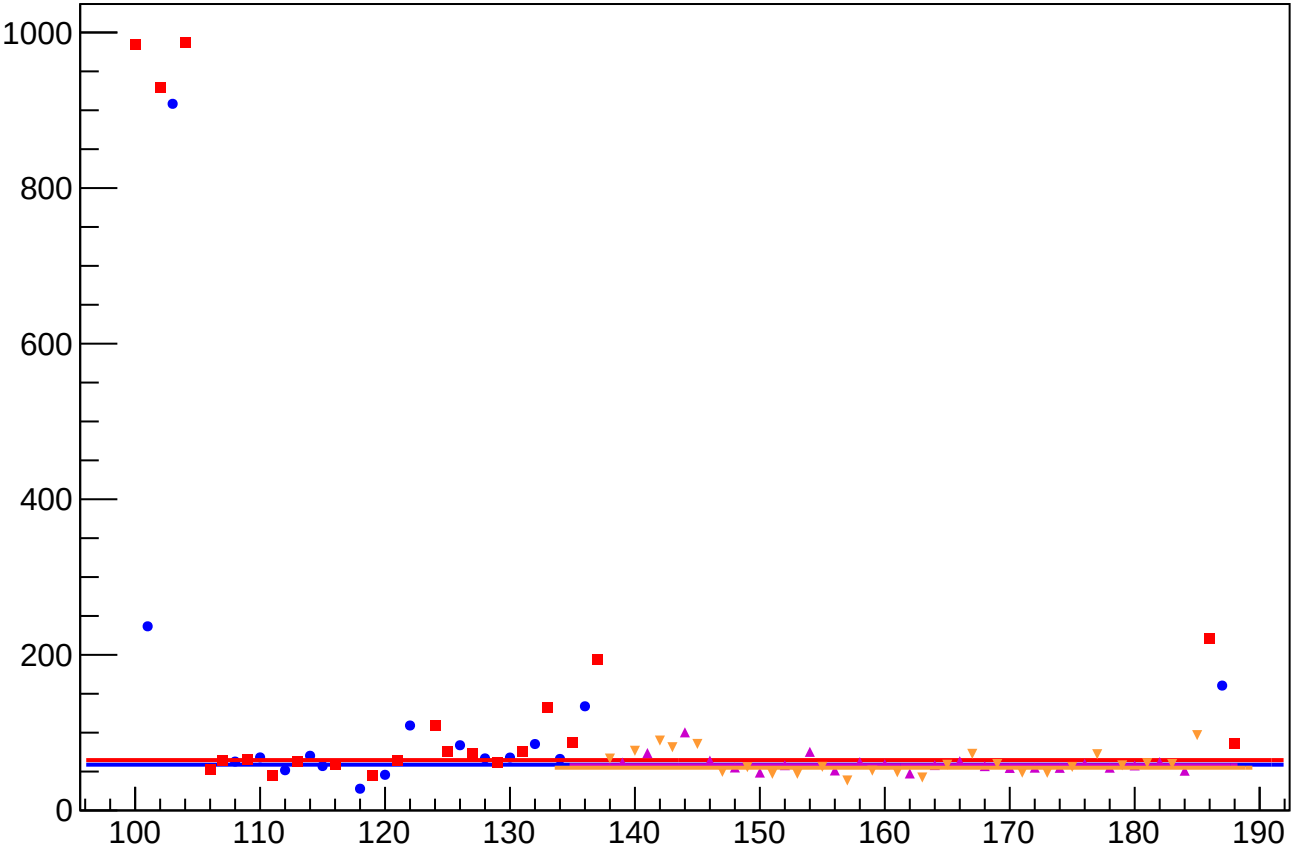
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 38.0/41

All: 0.008+/-0.009 χ^2/NDF: 79.6/85

- sign 0.014+/-0.013 χ^2/NDF: 41.2/43

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.855+/-0.020 χ^2/NDF: 3403820.7/16

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 64.738+/-0.019 χ^2/NDF: 3126042.1/20

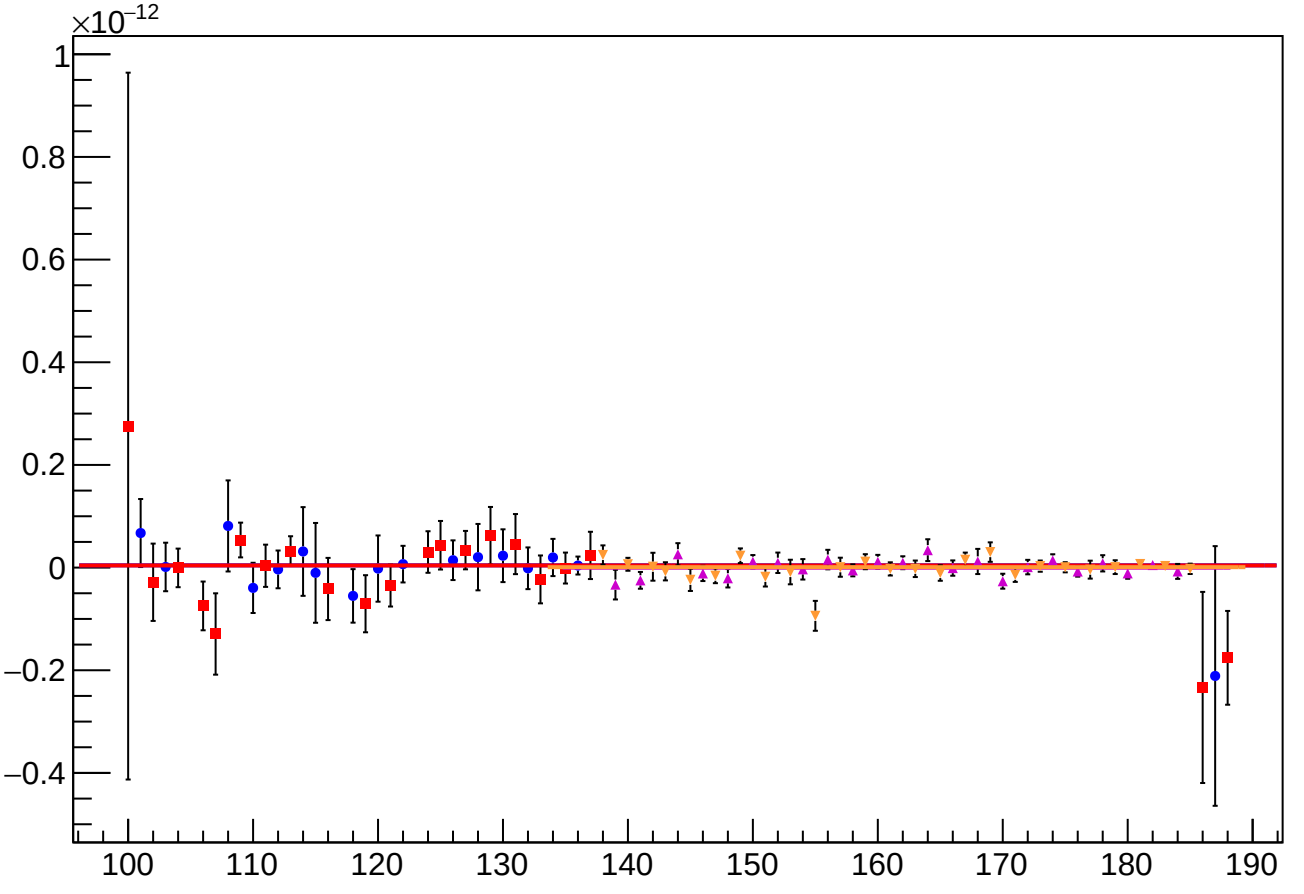
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 55.735+/-0.009 χ^2/NDF: 4733334.4/41

All: 57.633+/-0.006 χ^2/NDF: 8703019.0/85

- sign 59.666+/-0.009 χ^2/NDF: 3875165.7/43

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

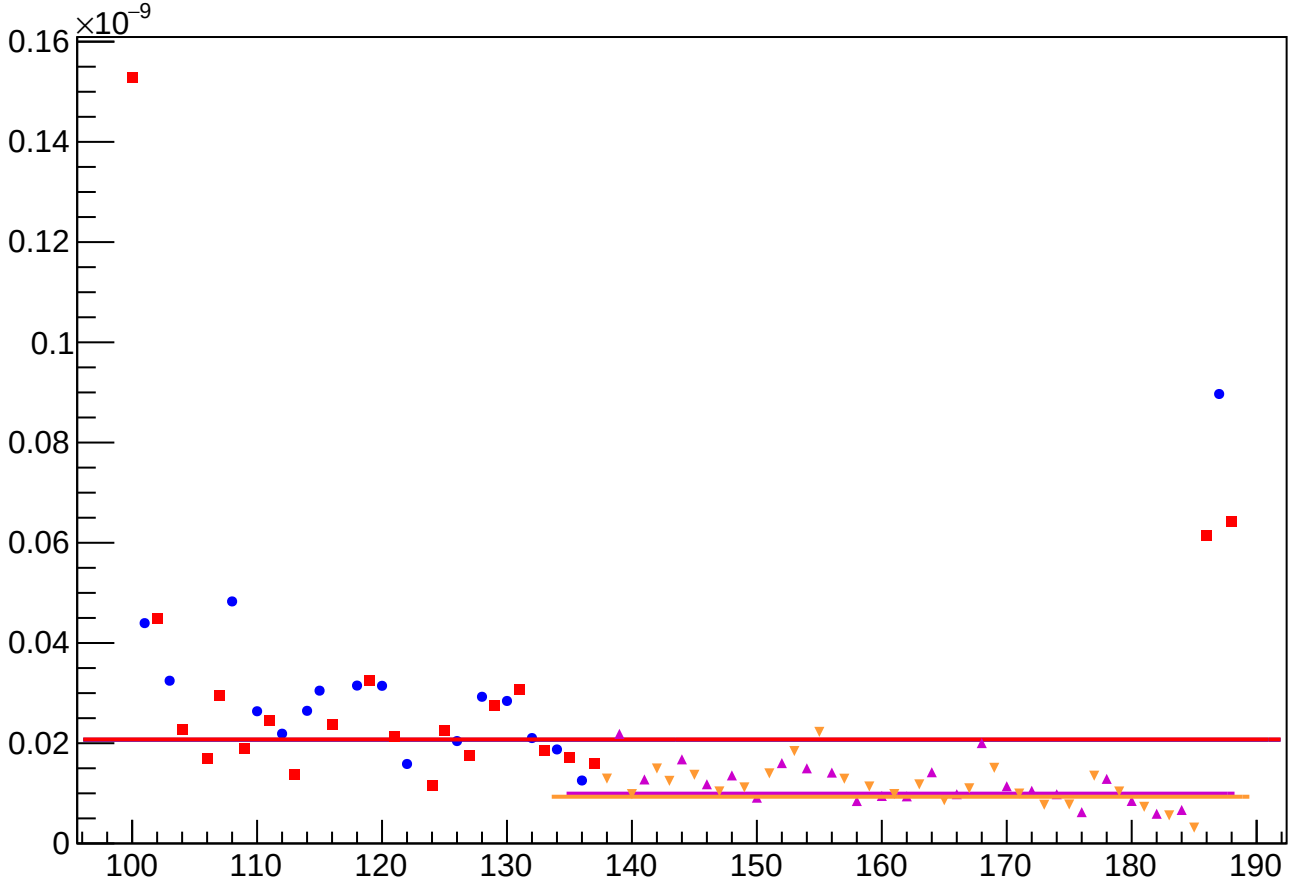
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/20

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.6/41

All: 0.000+/-0.000 χ^2/NDF: 72.8/85

- sign 0.000+/-0.000 χ^2/NDF: 42.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 1468713.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

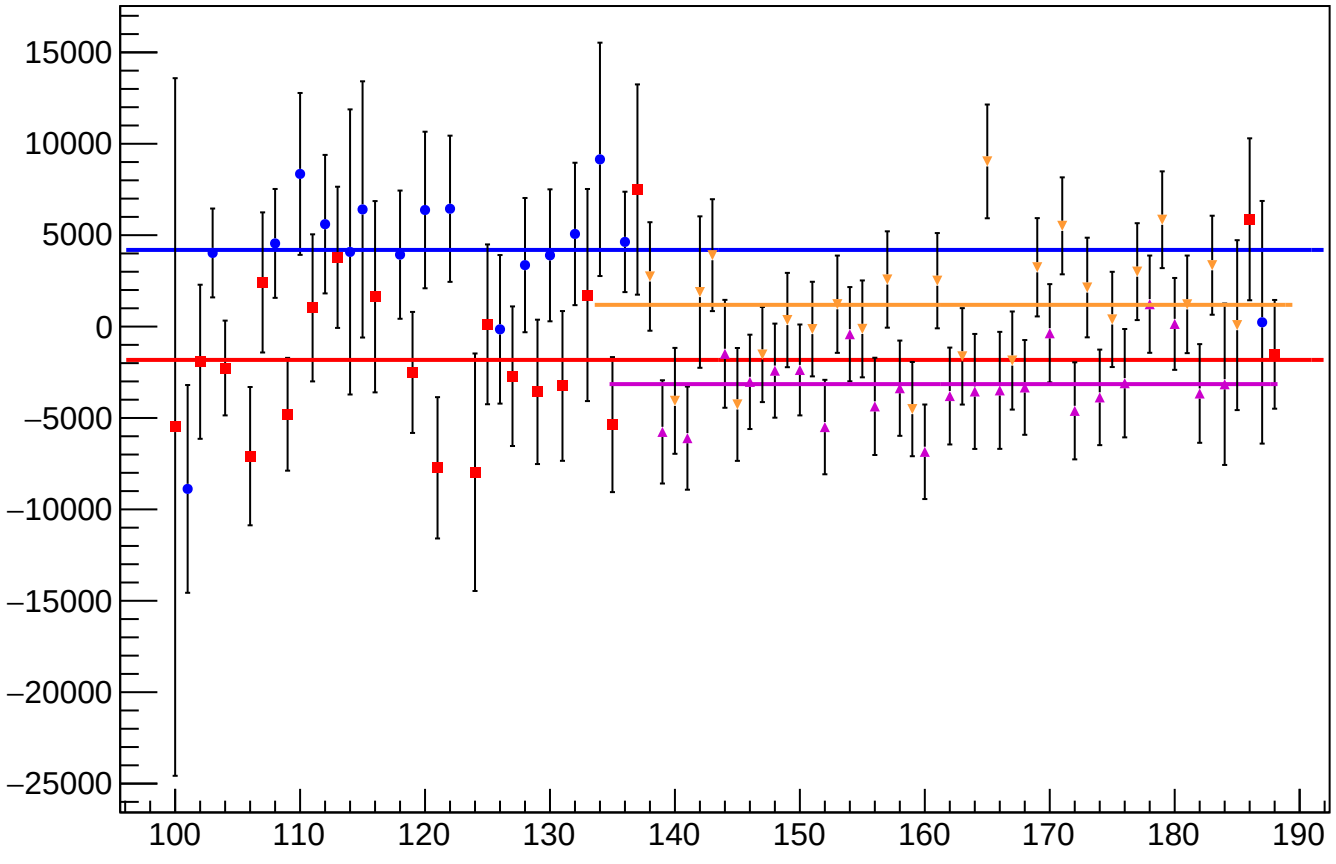
Right Out: 0.000+/-0.000 χ^2/NDF: 1371546.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 6836173.2/41

All: 0.000+/-0.000 χ^2/NDF: 12982606.0/85

- sign 0.000+/-0.000 χ^2/NDF: 6080672.1/43



Right In: 4192.967+/-942.312 χ^2/NDF: 9.2/16

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1823.506+/-863.829 χ^2/NDF: 18.0/20

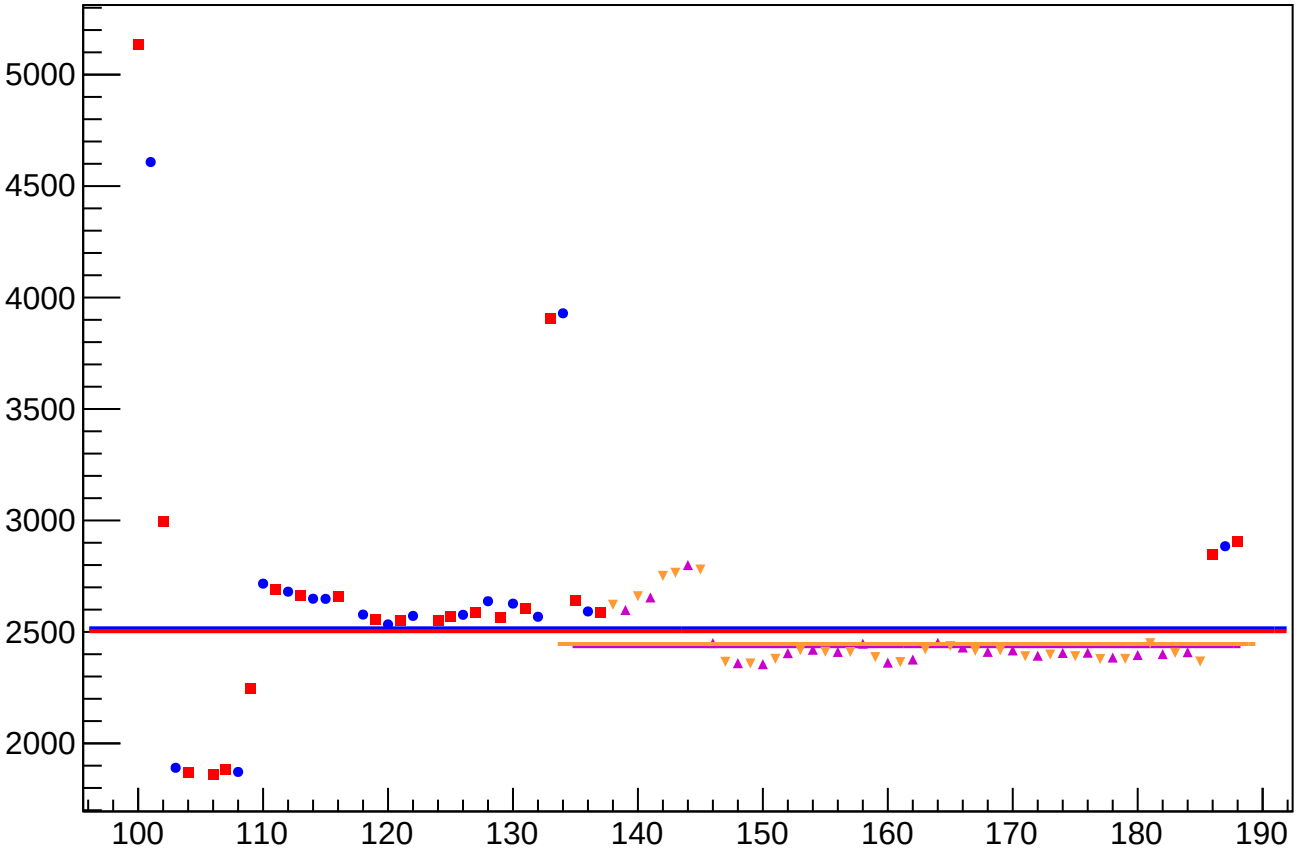
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 1965.123+/-479.012 χ^2/NDF: 47.9/41

All: -409.032+/-337.395 χ^2/NDF: 129.0/85

- sign -2746.597+/-475.306 χ^2/NDF: 32.3/43

reg_asym_atr2_rms vs Slug



Right In: 2516.045+/-0.666 χ^2/NDF: 617877.5/16

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2503.140+/-0.611 χ^2/NDF: 492151.9/20

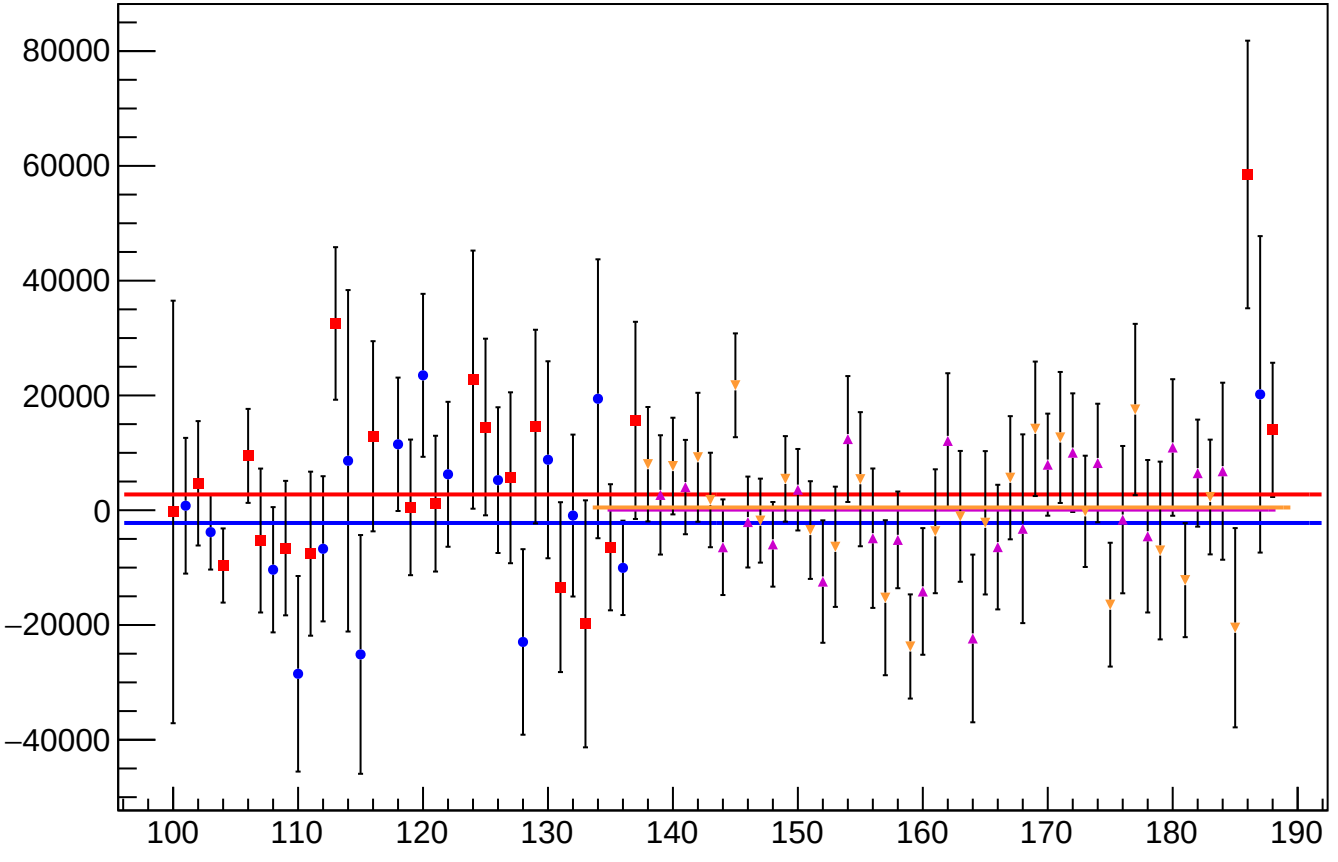
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2463.971+/-0.339 χ^2/NDF: 716128.3/41

All: 2460.102+/-0.239 χ^2/NDF: 1276165.9/85

- sign 2456.292+/-0.336 χ^2/NDF: 559778.6/43

asym_atr2_reg_correction_mean vs Slug



Right In: -2221.713+/-3056.621 χ^2/NDF: 14.4/16

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 2749.231+/-2752.046 χ^2/NDF: 23.5/20

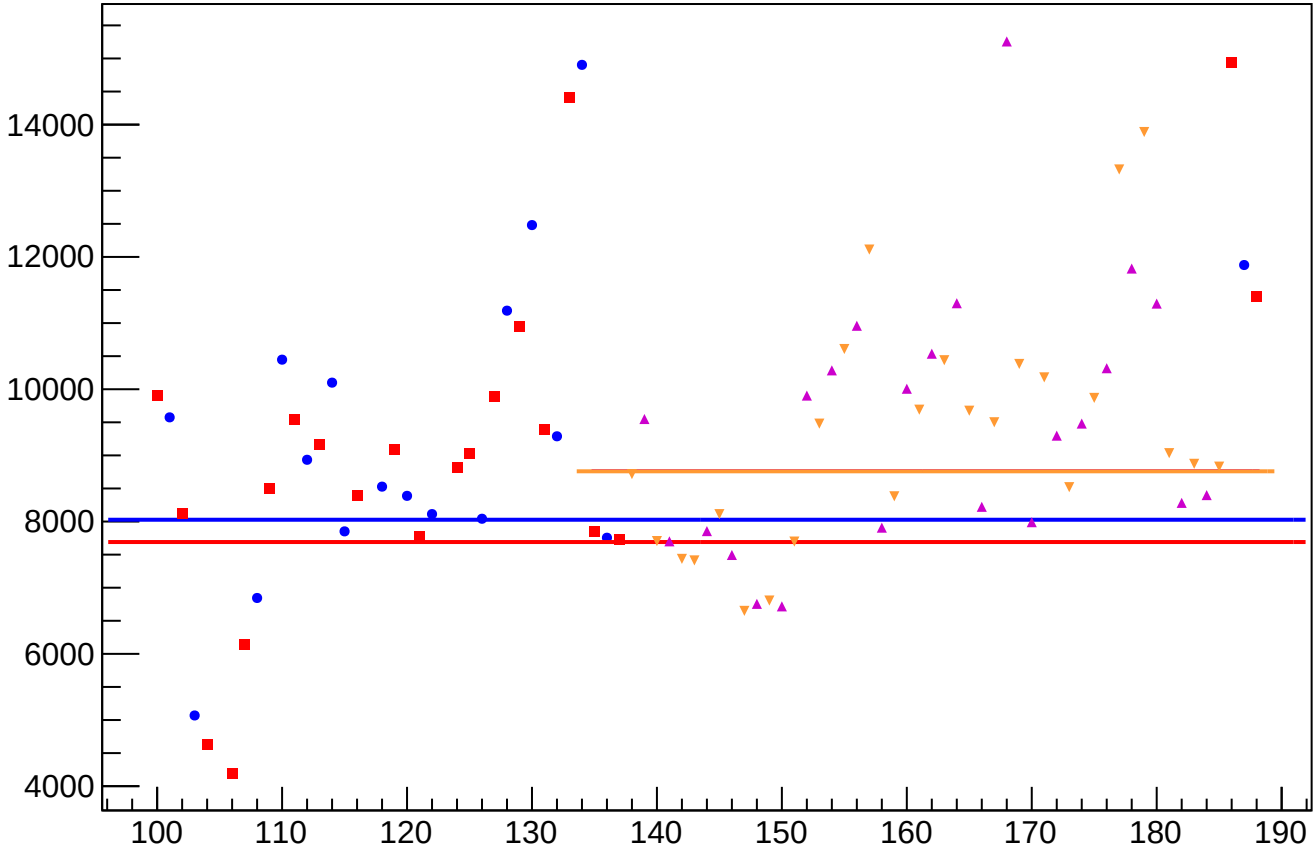
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign -352.240+/-1694.483 χ^2/NDF: 42.4/41

All: 372.787+/-1187.578 χ^2/NDF: 81.3/85

- sign 1072.707+/-1664.886 χ^2/NDF: 38.6/43

asym_atr2_reg_correction_rms vs Slug



Right In: 8027.399+/-2.161 χ^2/NDF: 962573.6/16

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 7690.424+/-1.946 χ^2/NDF: 1707928.6/20

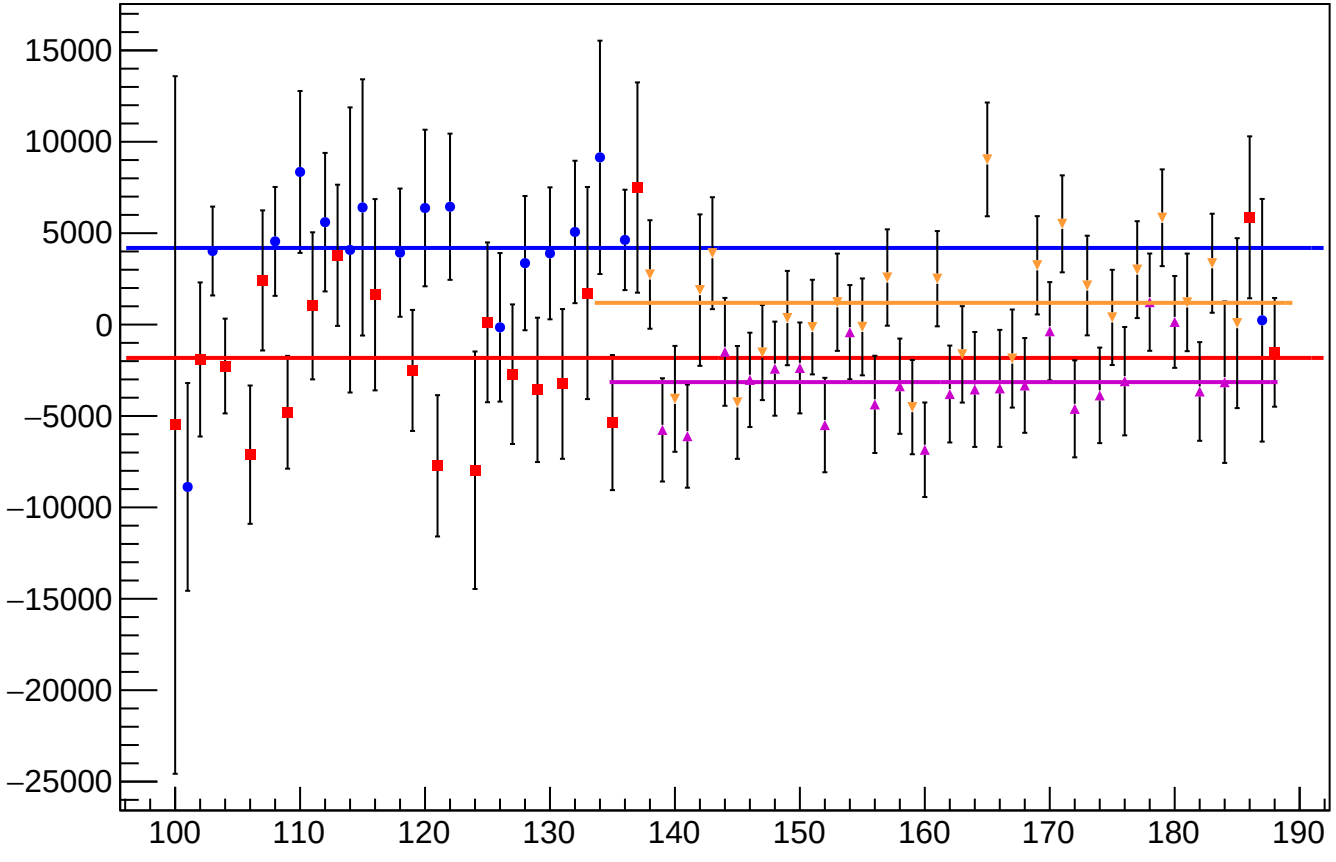
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8534.604+/-1.198 χ^2/NDF: 2264314.1/41

All: 8451.452+/-0.840 χ^2/NDF: 5466425.4/85

- sign 8371.180+/-1.177 χ^2/NDF: 3192645.8/43

cor_asym_atr2_mean vs Slug



Right In: 4192.509+/-942.312 χ^2/NDF: 9.2/16

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1824.020+/-863.835 χ^2/NDF: 18.0/20

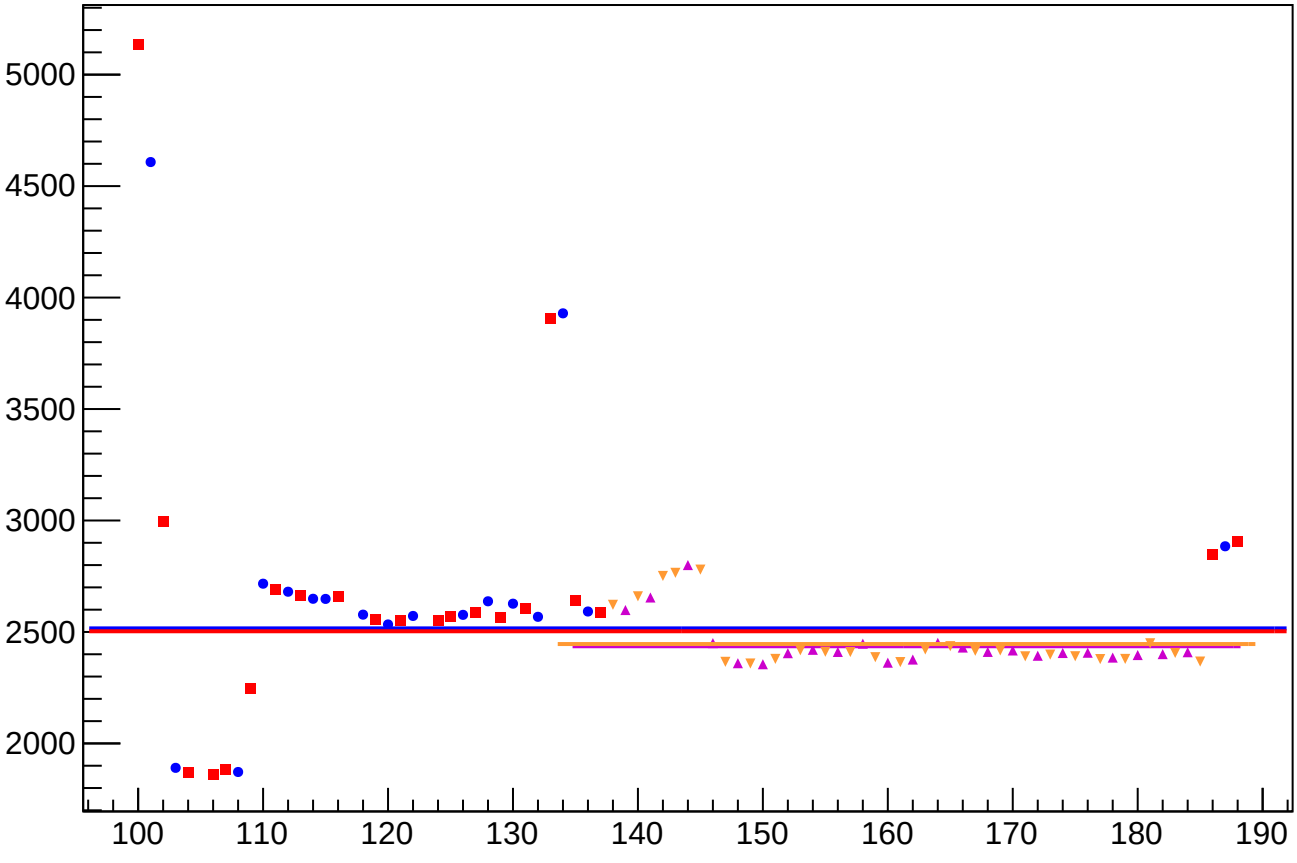
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1964.878+/-479.012 χ^2/NDF: 47.9/41

All: -409.160+/-337.395 χ^2/NDF: 129.0/85

- sign -2746.619+/-475.308 χ^2/NDF: 32.3/43

cor_asym_atr2_rms vs Slug



Right In: 2516.046+/-0.666 χ^2/NDF: 617875.2/16

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2503.163+/-0.611 χ^2/NDF: 492091.3/20

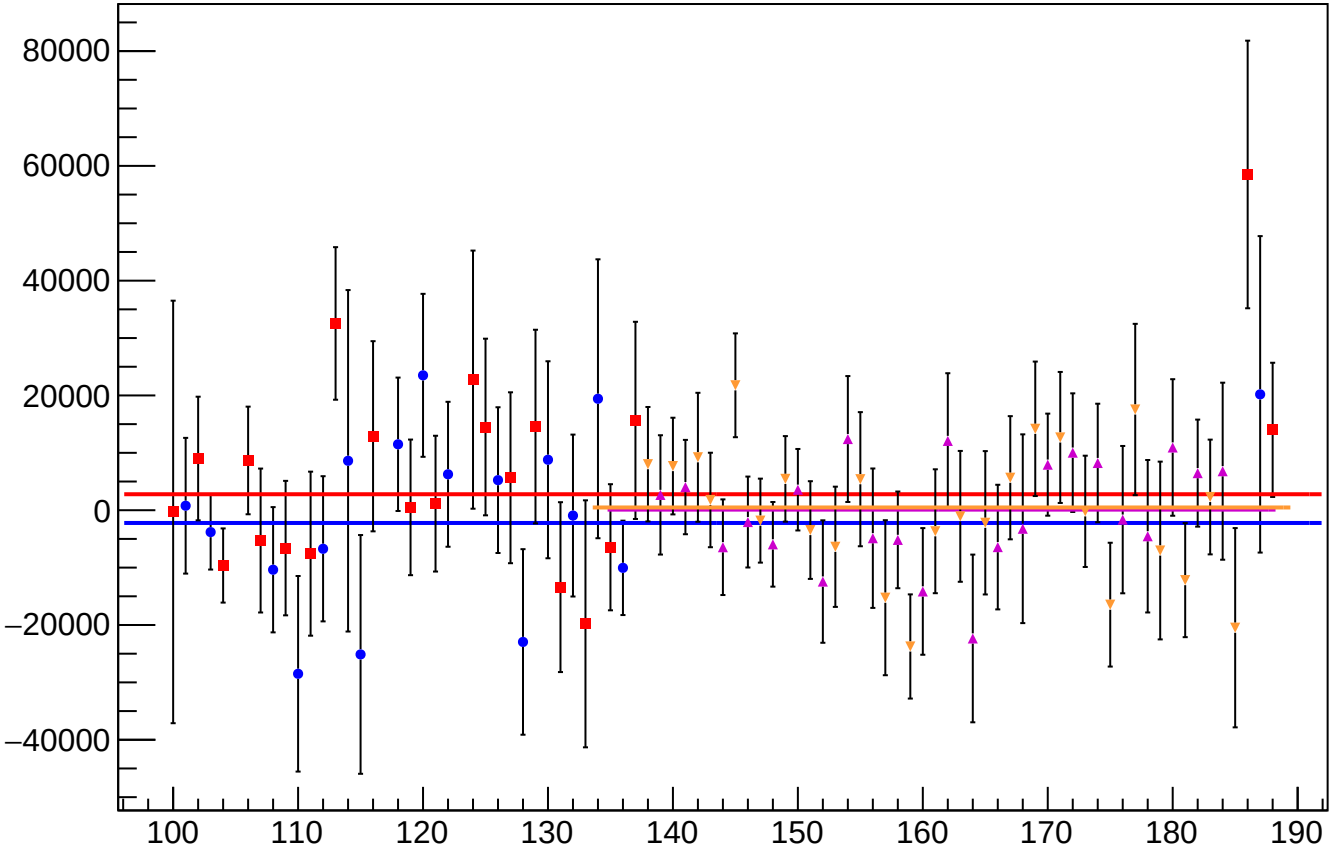
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2463.971+/-0.339 χ^2/NDF: 716126.3/41

All: 2460.105+/-0.239 χ^2/NDF: 1276108.2/85

- sign 2456.299+/-0.336 χ^2/NDF: 559723.4/43

asym_atr2_cor_correction_mean vs Slug



Right In: -2221.476+/-3056.708 χ^2/NDF: 14.4/16

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2785.304+/-2788.555 χ^2/NDF: 23.5/20

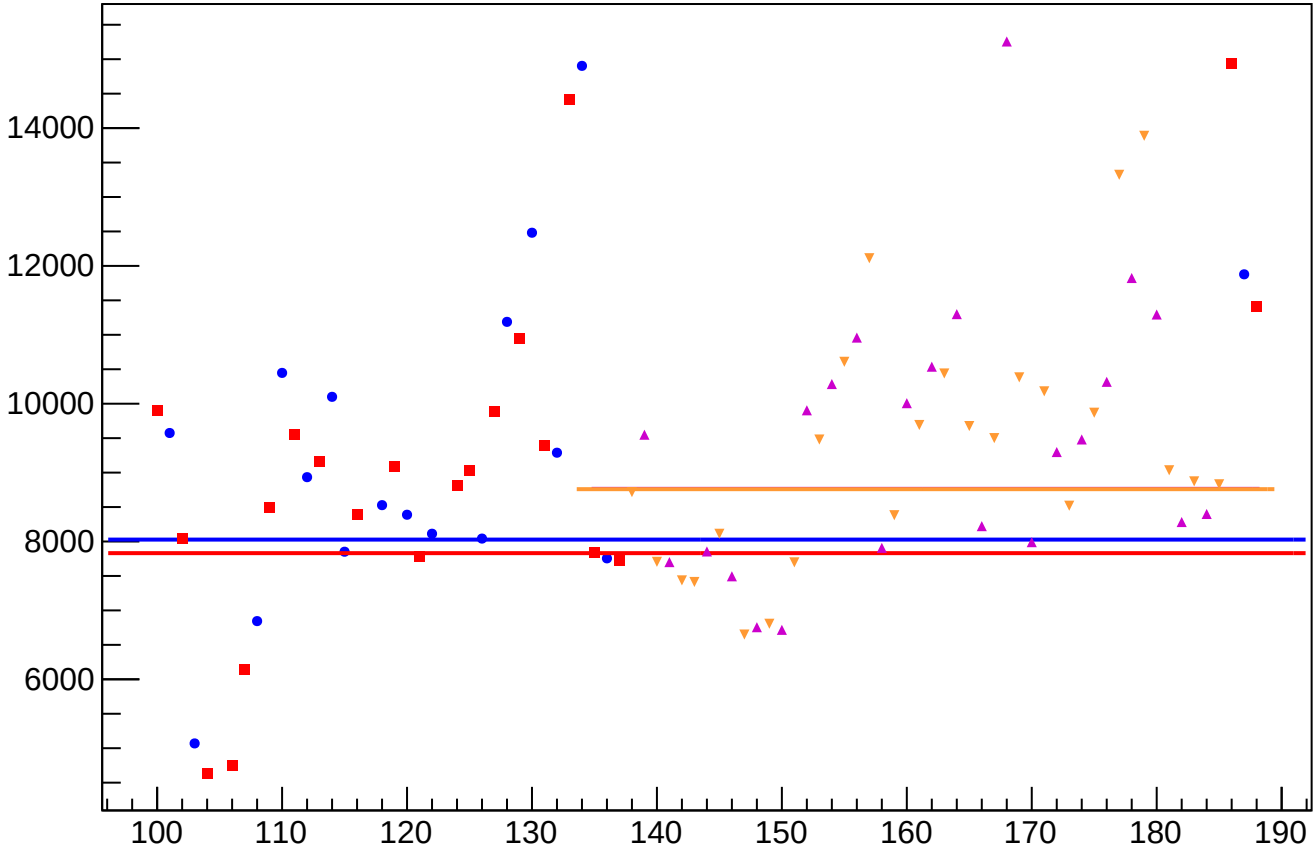
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -352.126+/-1694.497 χ^2/NDF: 42.4/41

All: 367.879+/-1190.469 χ^2/NDF: 81.3/85

- sign 1069.619+/-1672.867 χ^2/NDF: 38.6/43

asym_atr2_cor_correction_rms vs Slug



Right In: 8027.722+/-2.161 χ^2/NDF: 962269.7/16

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7831.067+/-1.972 χ^2/NDF: 1534065.4/20

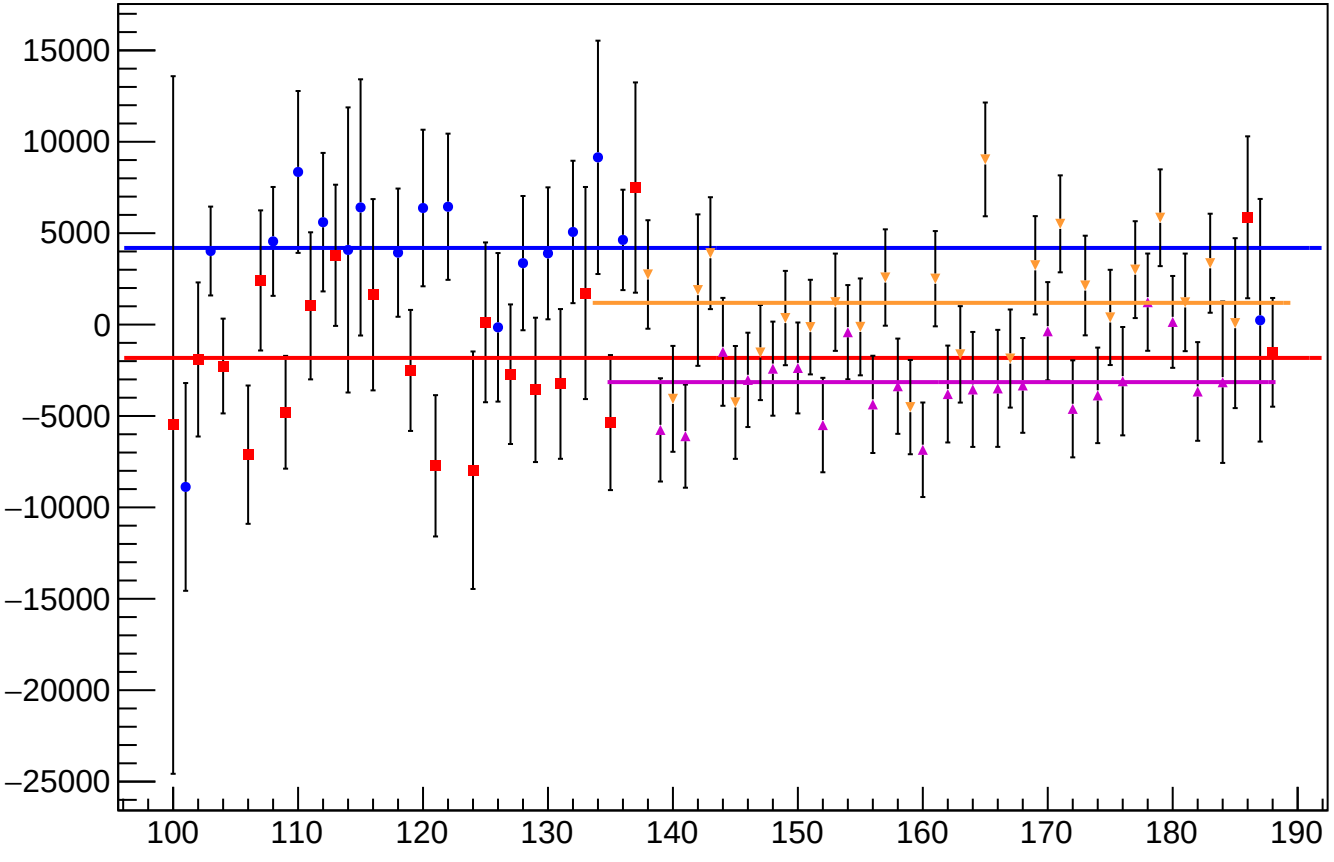
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8534.706+/-1.198 χ^2/NDF: 2263945.7/41

All: 8480.837+/-0.842 χ^2/NDF: 5237037.9/85

- sign 8428.336+/-1.183 χ^2/NDF: 2969101.0/43

eigen_cor_asym_atr2_mean vs Slug



Right In: 4192.509+/-942.312 χ^2/NDF: 9.2/16

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1824.020+/-863.835 χ^2/NDF: 18.0/20

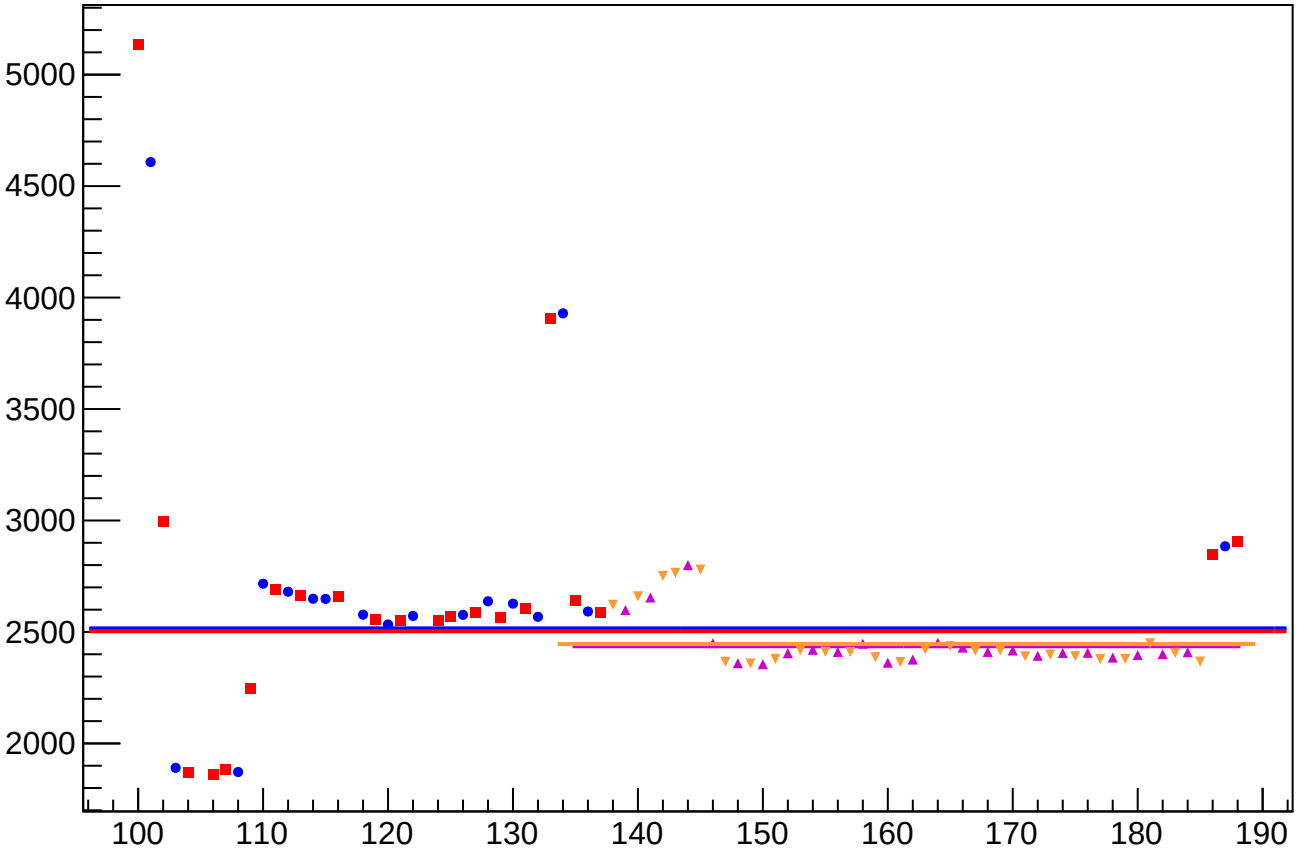
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1964.878+/-479.012 χ^2/NDF: 47.9/41

All: -409.160+/-337.395 χ^2/NDF: 129.0/85

- sign -2746.619+/-475.308 χ^2/NDF: 32.3/43

eigen_cor_asym_atr2_rms vs Slug



Right In: 2516.046+/-0.666 χ^2/NDF: 617875.2/16

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2503.163+/-0.611 χ^2/NDF: 492091.3/20

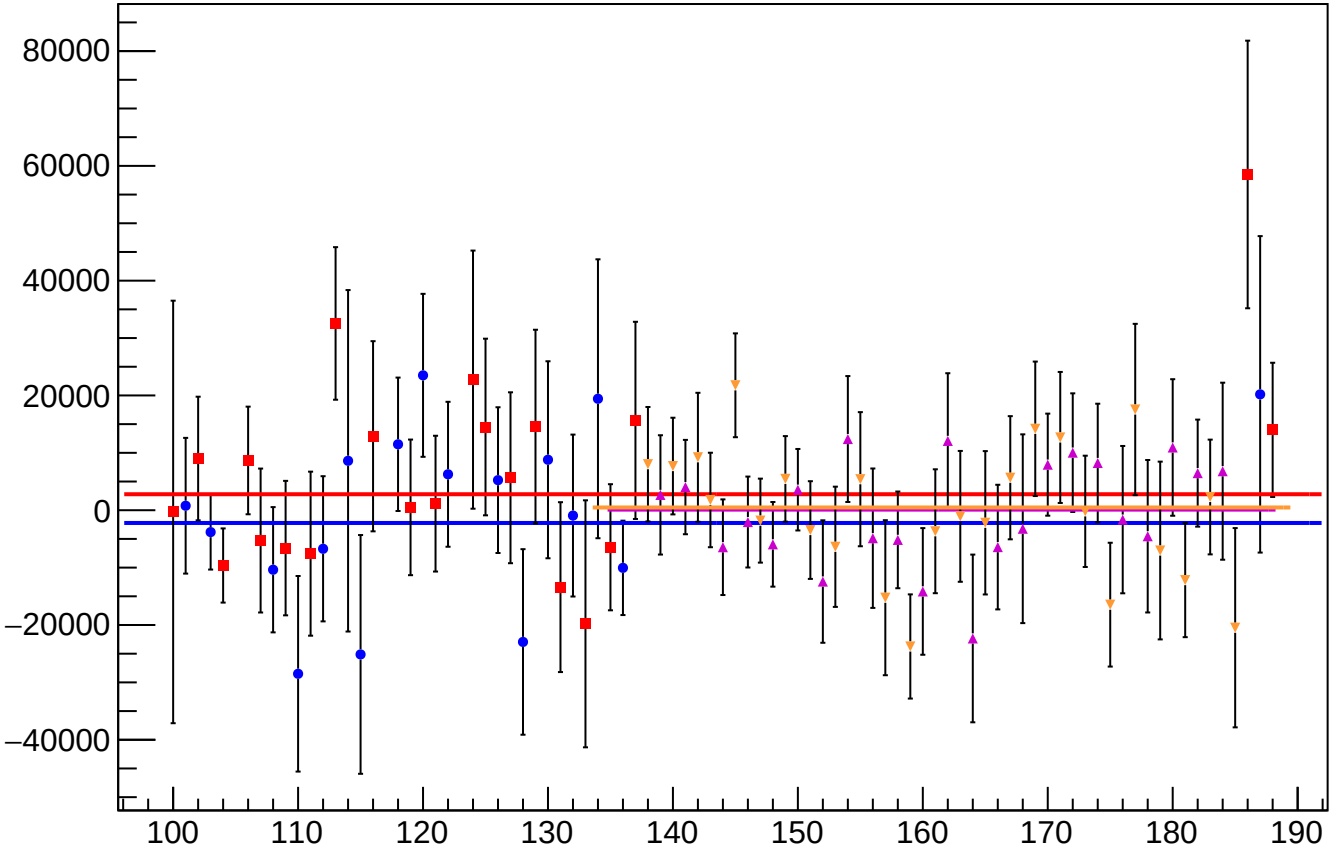
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2463.971+/-0.339 χ^2/NDF: 716126.3/41

All: 2460.105+/-0.239 χ^2/NDF: 1276108.2/85

- sign 2456.299+/-0.336 χ^2/NDF: 559723.4/43

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -2221.476+/-3056.708 χ^2/NDF: 14.4/16

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2785.304+/-2788.555 χ^2/NDF: 23.5/20

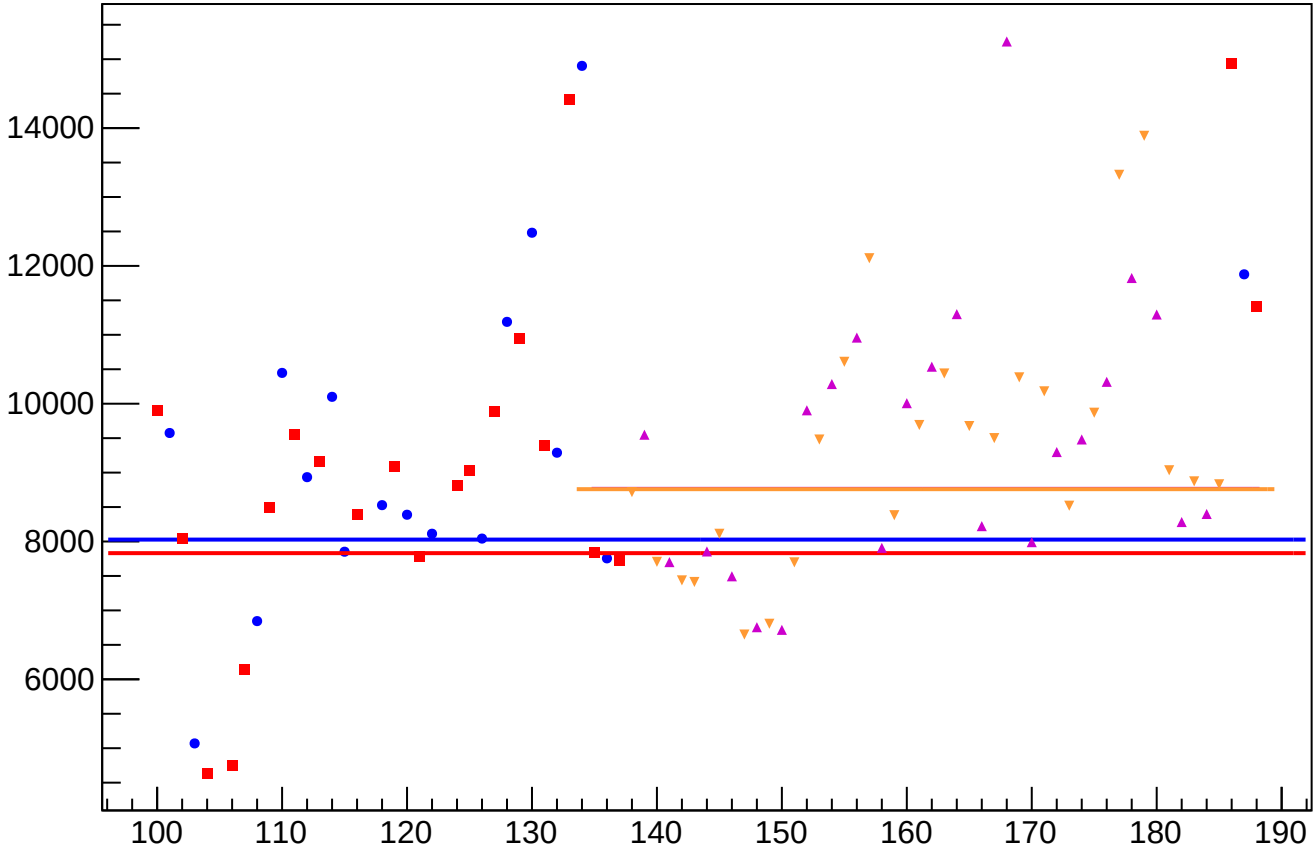
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -352.126+/-1694.497 χ^2/NDF: 42.4/41

All: 367.879+/-1190.469 χ^2/NDF: 81.3/85

- sign 1069.619+/-1672.867 χ^2/NDF: 38.6/43

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 8027.722+/-2.161 χ^2/NDF: 962269.7/16

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7831.067+/-1.972 χ^2/NDF: 1534065.4/20

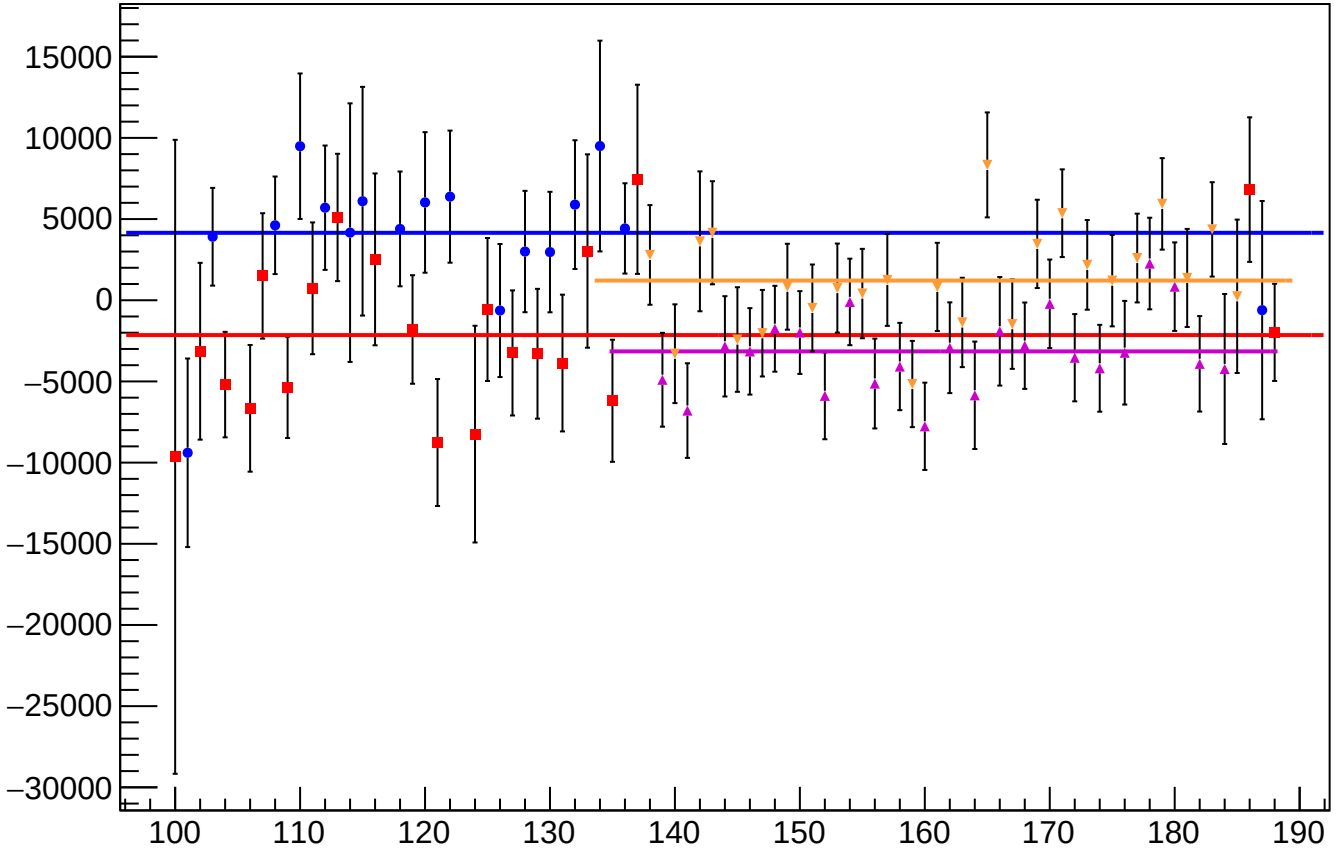
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8534.706+/-1.198 χ^2/NDF: 2263945.7/41

All: 8480.837+/-0.842 χ^2/NDF: 5237037.9/85

- sign 8428.336+/-1.183 χ^2/NDF: 2969101.0/43

dit_asym_atr2_mean vs Slug



Right In: 4153.552+/-979.960 χ^2/NDF: 10.6/16

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -2145.299+/-900.338 χ^2/NDF: 21.9/20

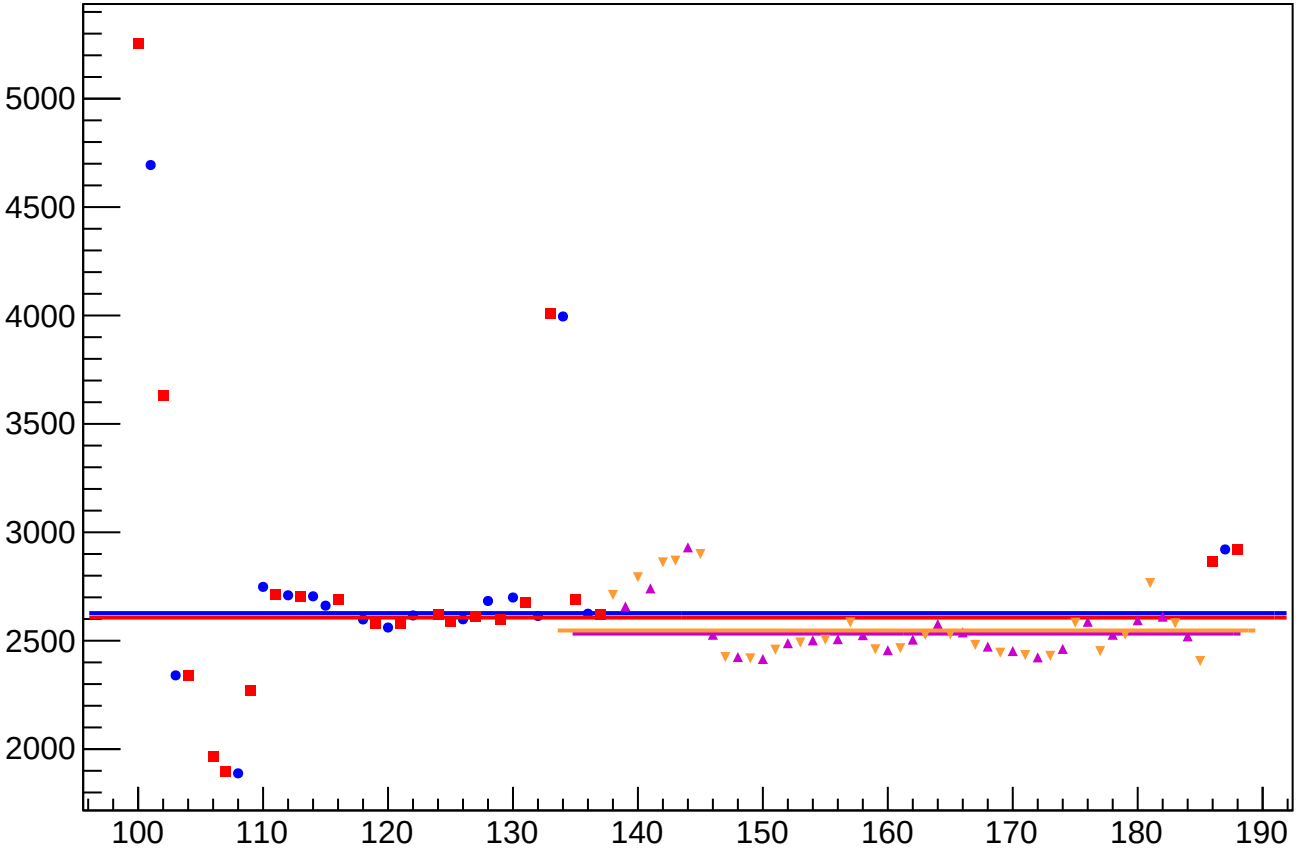
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 1975.898+/-498.934 χ^2/NDF: 44.1/41

All: -455.932+/-351.299 χ^2/NDF: 130.4/85

- sign -2846.838+/-494.718 χ^2/NDF: 39.2/43

dit_asym_atr2_rms vs Slug



Right In: 2627.341+/-0.693 χ^2/NDF: 489814.9/16

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2606.736+/-0.636 χ^2/NDF: 411623.6/20

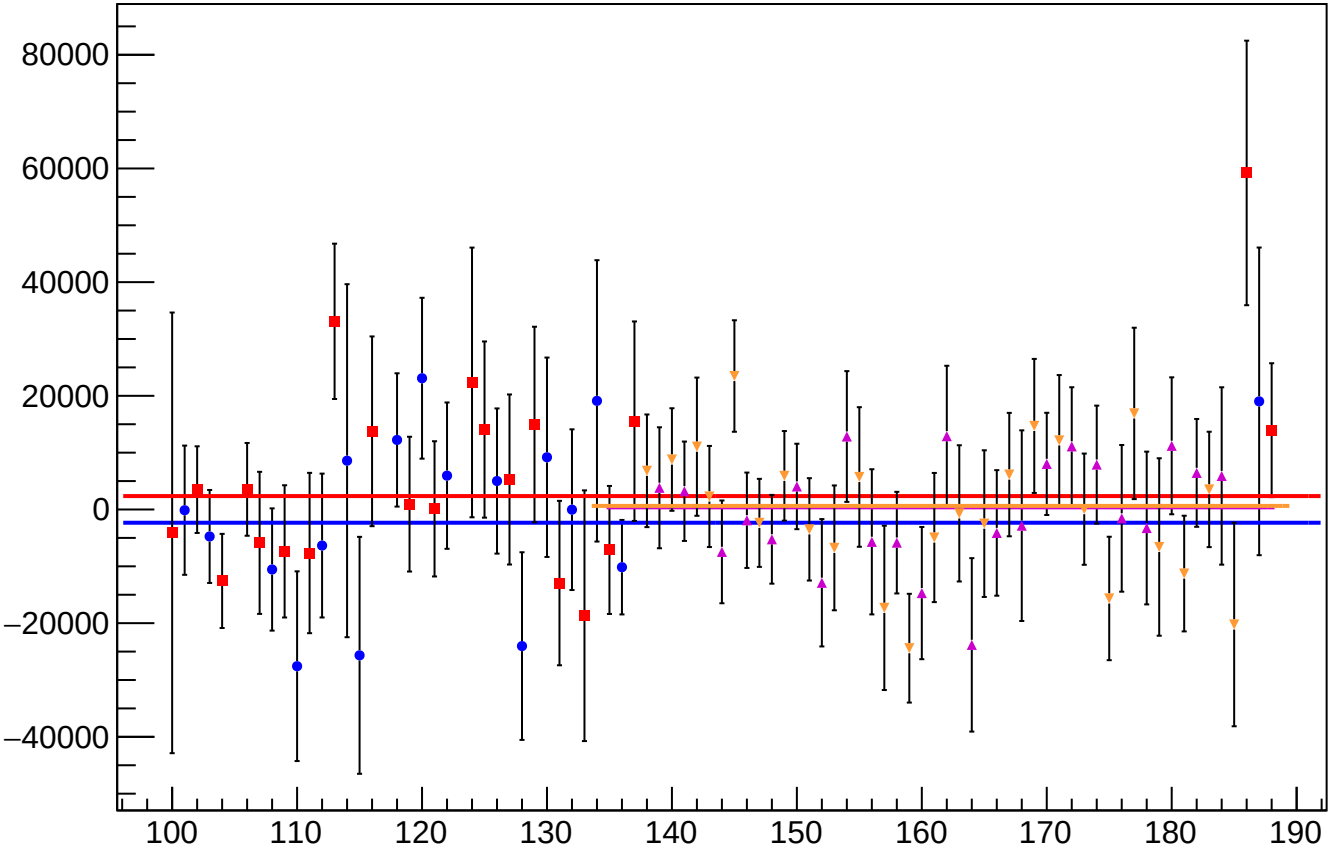
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2567.940+/-0.353 χ^2/NDF: 617033.3/41

All: 2561.475+/-0.248 χ^2/NDF: 1107193.0/85

- sign 2555.120+/-0.350 χ^2/NDF: 489493.7/43

asym_atr2_dit_correction_mean vs Slug



Right In: -2331.224+/-3189.132 χ^2/NDF: 14.4/16

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 2359.435+/-2771.212 χ^2/NDF: 22.6/20

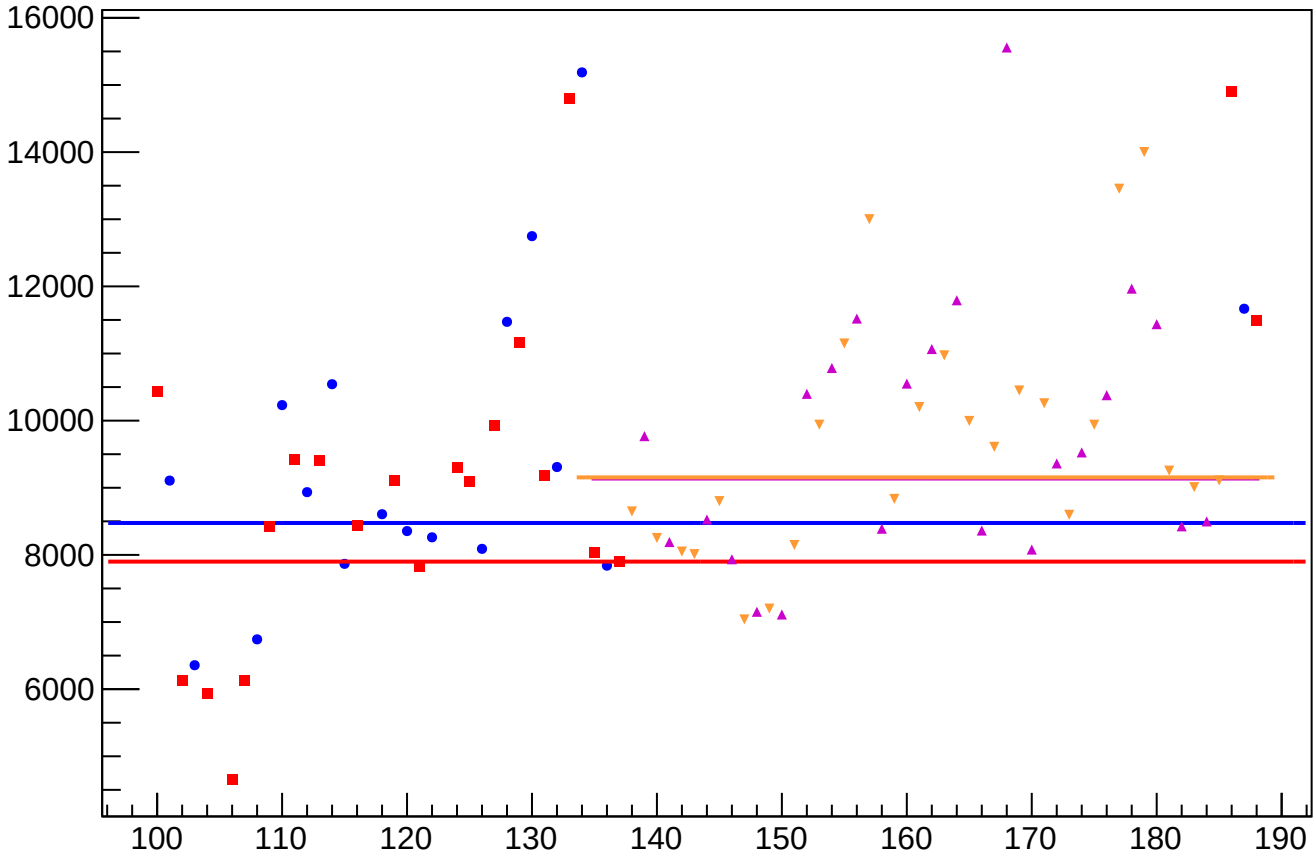
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -278.431+/-1767.290 χ^2/NDF: 41.7/41

All: 450.296+/-1229.505 χ^2/NDF: 79.2/85

- sign 1133.828+/-1711.612 χ^2/NDF: 37.2/43

asym_atr2_dit_correction_rms vs Slug



Right In: 8475.703+/-2.255 χ^2/NDF: 608495.2/16

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 7900.017+/-1.960 χ^2/NDF: 1366957.4/20

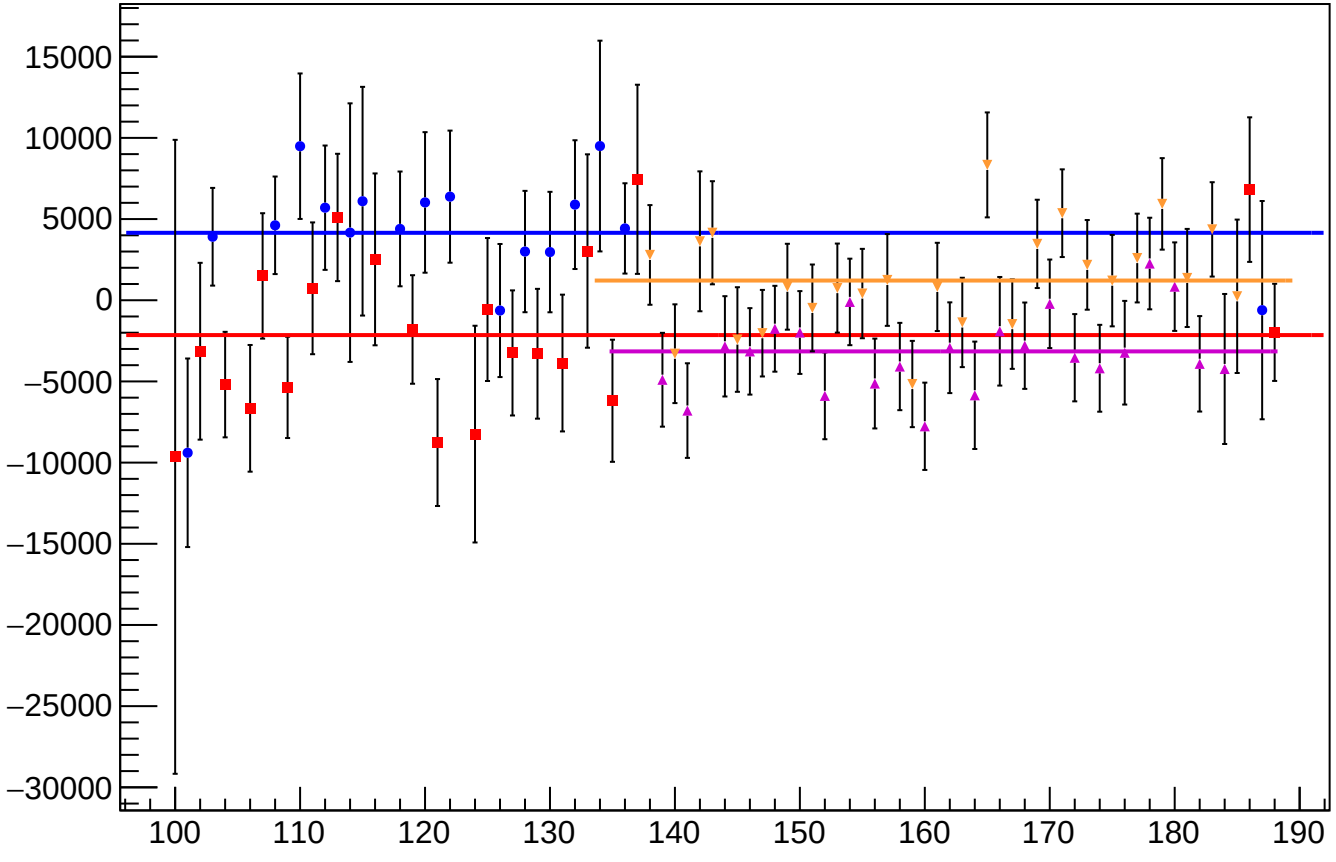
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 8946.176+/-1.250 χ^2/NDF: 1743386.4/41

All: 8801.333+/-0.869 χ^2/NDF: 4555875.2/85

- sign 8665.473+/-1.210 χ^2/NDF: 2786453.7/43

eigen_dit_asym_atr2_mean vs Slug



Right In: 4153.561+/-979.960 χ^2/NDF: 10.6/16

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -2145.309+/-900.338 χ^2/NDF: 21.9/20

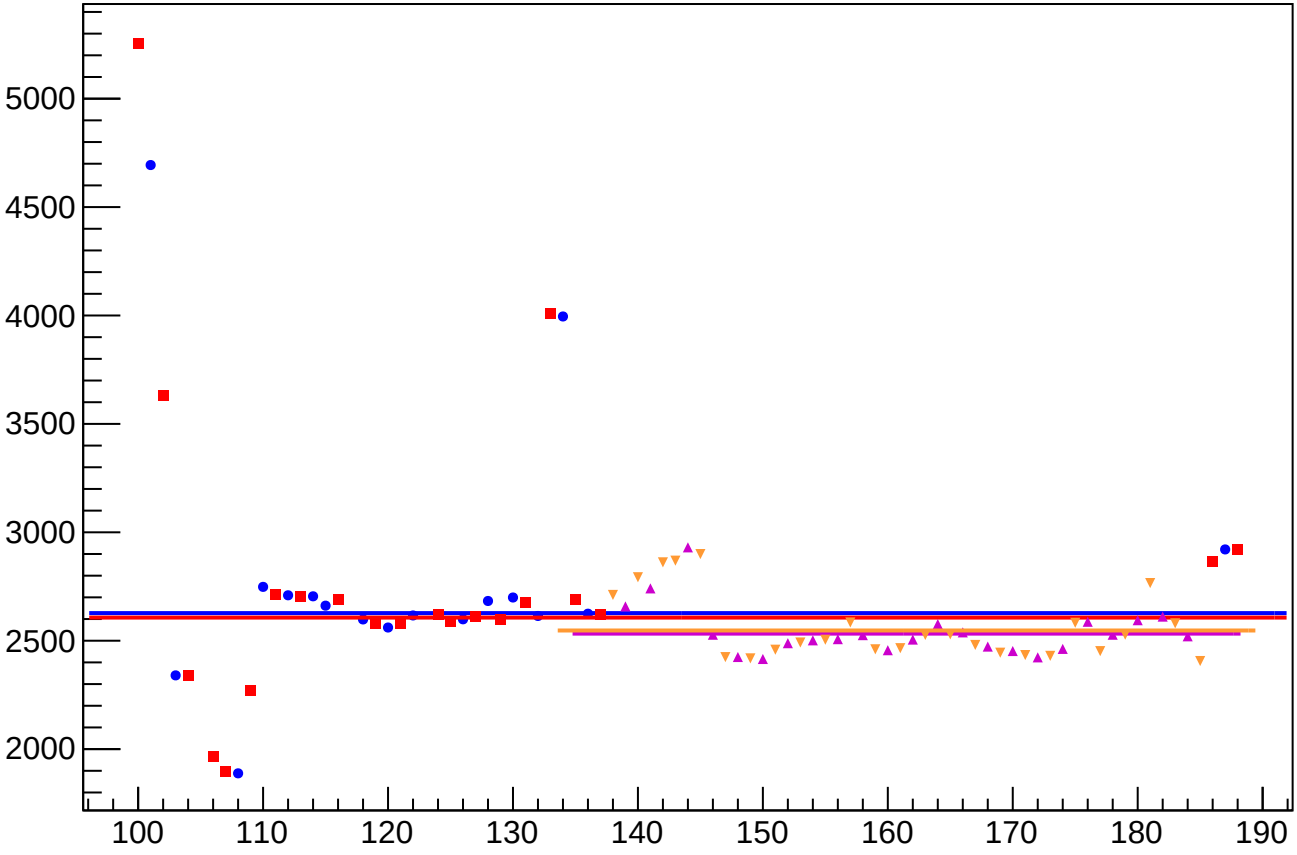
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 1975.893+/-498.934 χ^2/NDF: 44.1/41

All: -455.935+/-351.299 χ^2/NDF: 130.4/85

- sign -2846.840+/-494.718 χ^2/NDF: 39.2/43

eigen_dit_asym_atr2_rms vs Slug



Right In: 2627.340+/-0.693 χ^2/NDF: 489815.1/16

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2606.736+/-0.636 χ^2/NDF: 411623.1/20

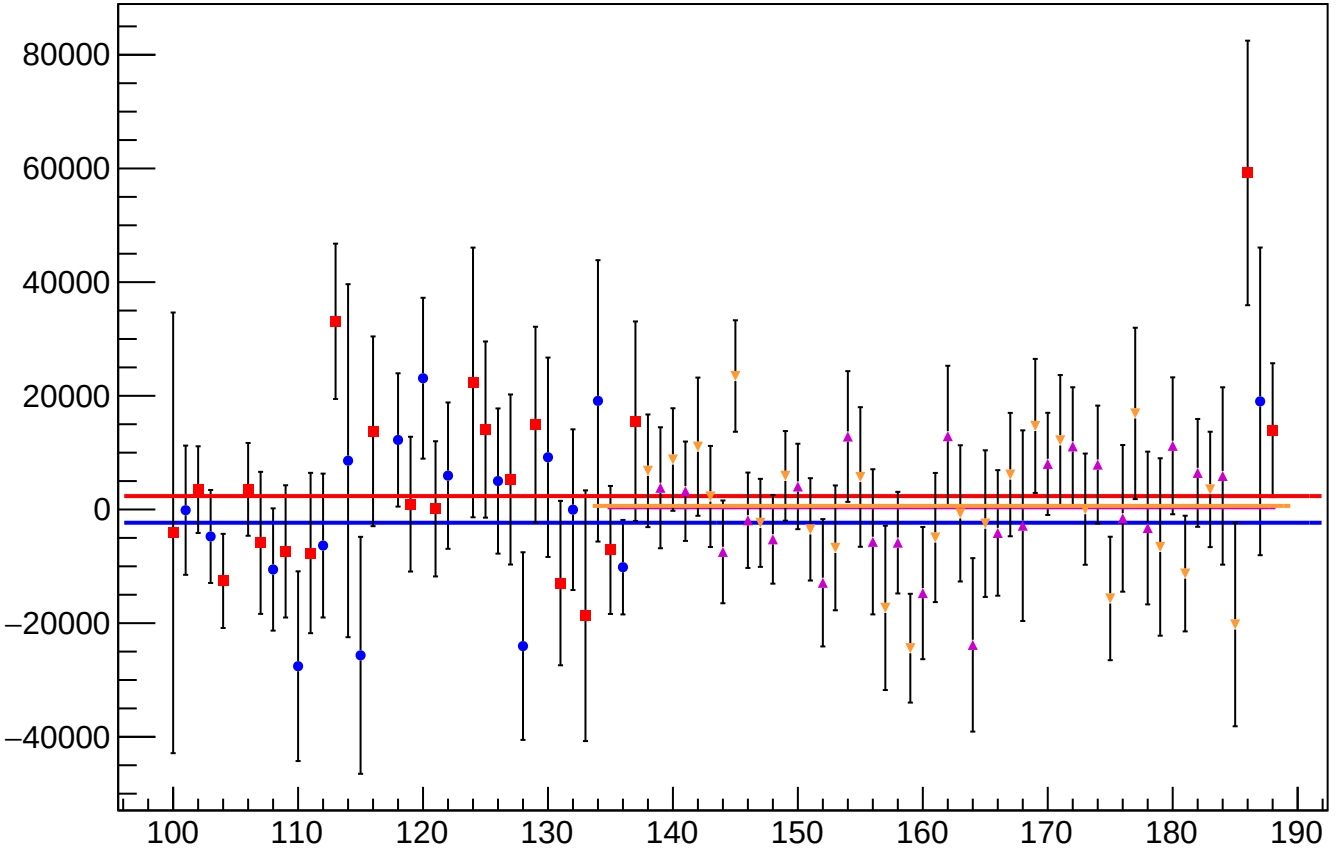
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2567.941+/-0.353 χ^2/NDF: 617032.9/41

All: 2561.476+/-0.248 χ^2/NDF: 1107191.2/85

- sign 2555.121+/-0.350 χ^2/NDF: 489492.4/43

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -2331.192+/-3189.128 χ^2/NDF: 14.4/16

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 2359.427+/-2771.208 χ^2/NDF: 22.6/20

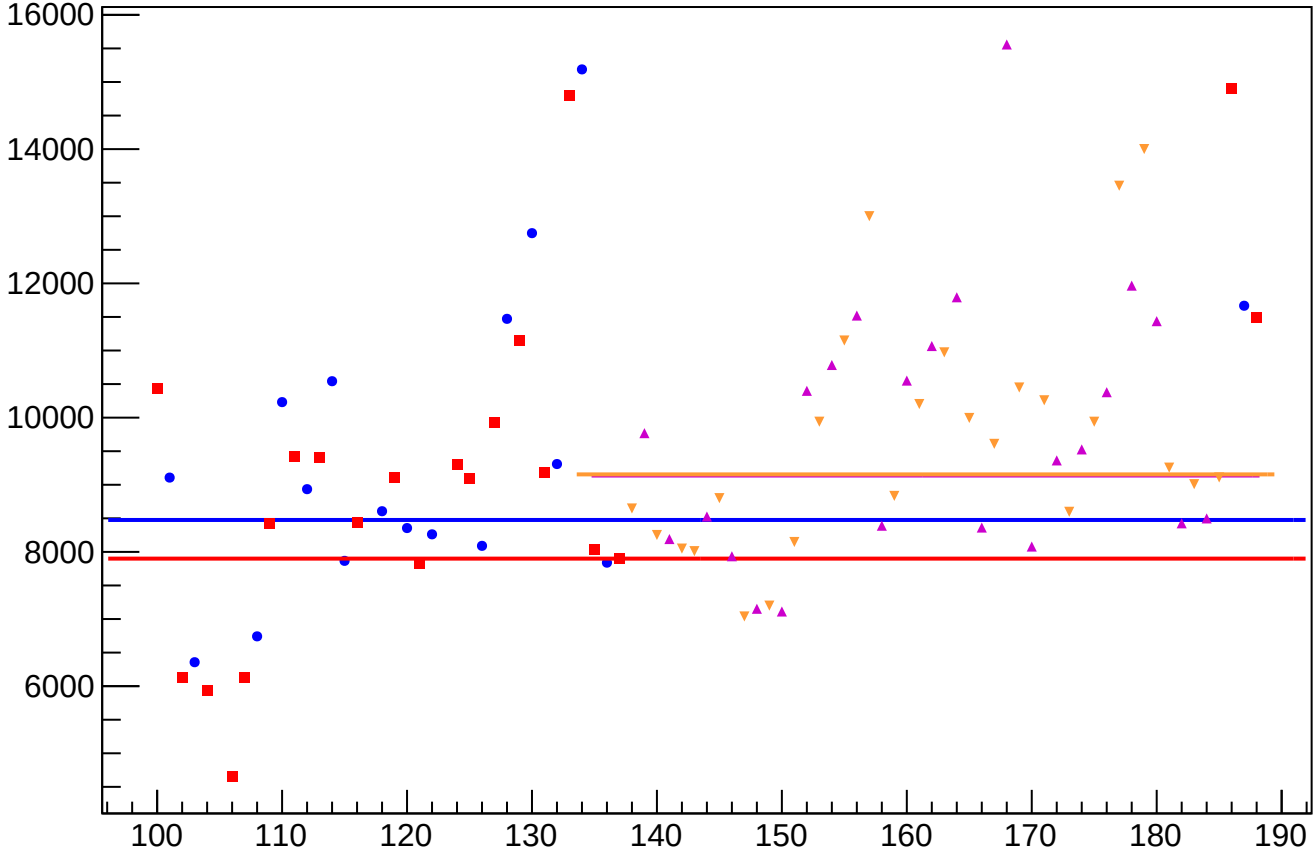
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

\+ sign -278.428+/-1767.292 χ^2/NDF: 41.7/41

All: 450.299+/-1229.506 χ^2/NDF: 79.2/85

\- sign 1133.831+/-1711.612 χ^2/NDF: 37.2/43

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8475.694+/-2.255 χ^2/NDF: 608489.9/16

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 7900.006+/-1.960 χ^2/NDF: 1366956.5/20

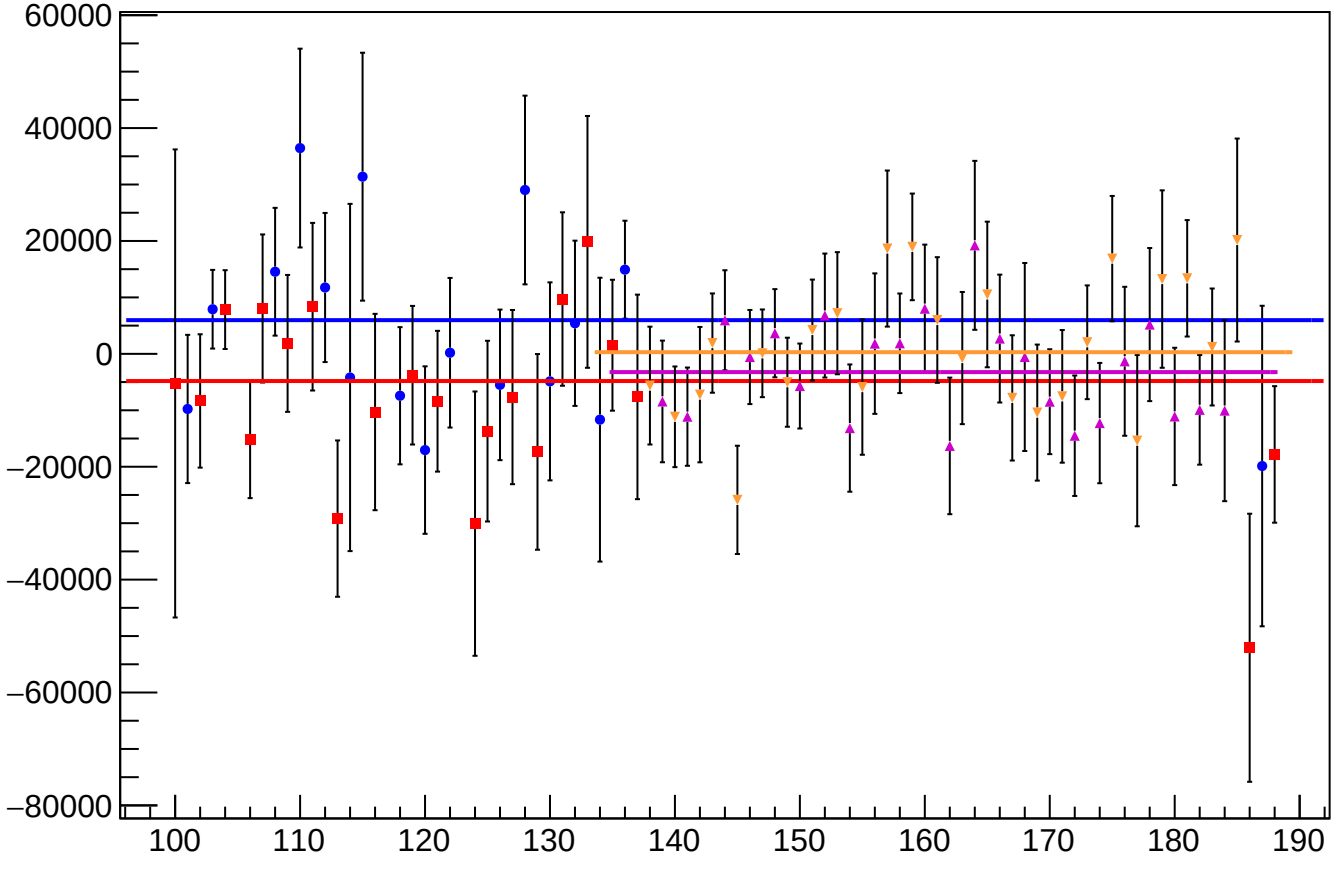
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 8946.183+/-1.250 χ^2/NDF: 1743387.7/41

All: 8801.338+/-0.869 χ^2/NDF: 4555890.3/85

- sign 8665.476+/-1.210 χ^2/NDF: 2786466.8/43

asym_atr2_mean vs Slug



Right In: 5970.535+/-3218.817 χ^2/NDF: 15.9/16

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -4815.423+/-2951.345 χ^2/NDF: 19.3/20

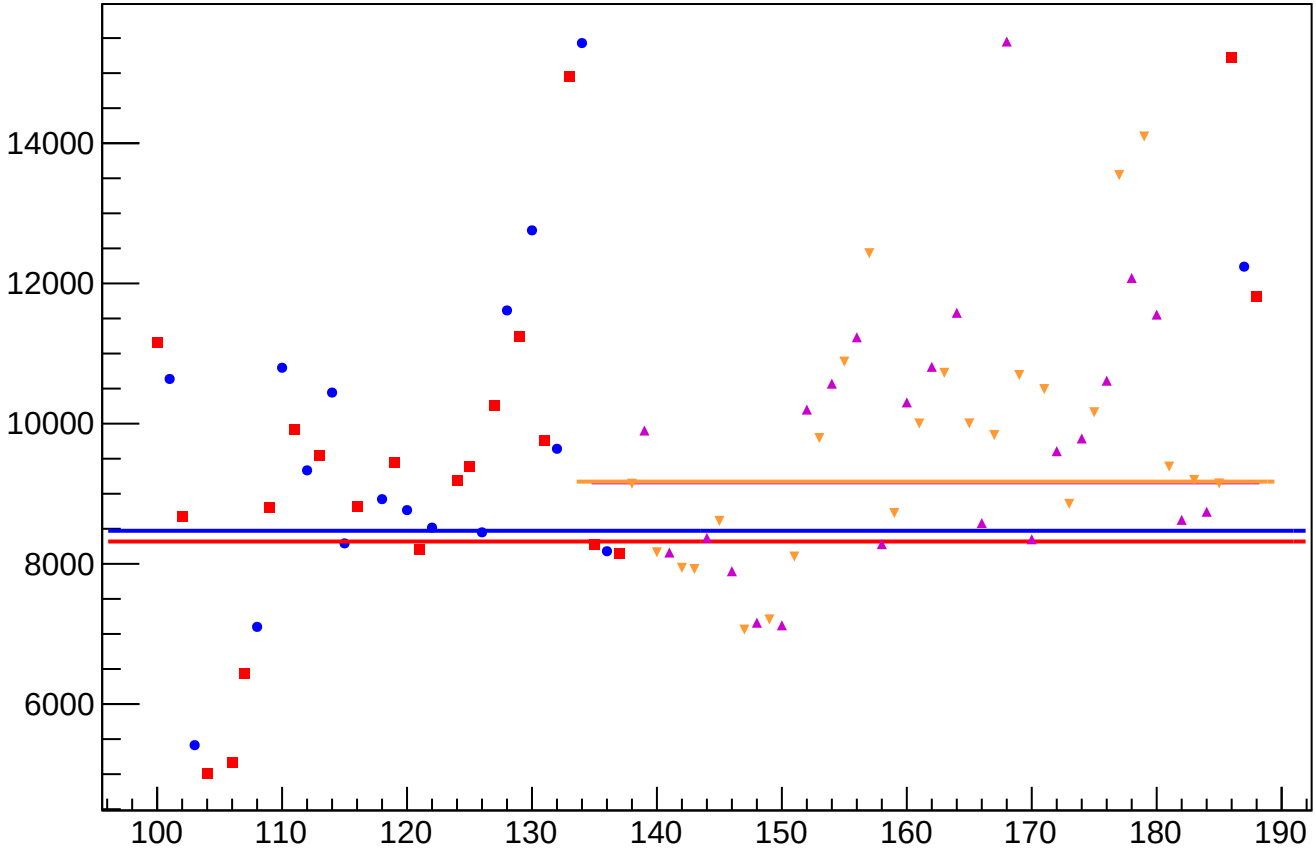
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 2018.226+/-1773.621 χ^2/NDF: 44.4/41

All: -920.137+/-1246.939 χ^2/NDF: 82.9/85

- sign -3791.977+/-1753.429 χ^2/NDF: 33.0/43

asym_atr2_rms vs Slug



Right In: 8471.765+/-2.276 χ^2/NDF: 917502.1/16

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 8318.832+/-2.087 χ^2/NDF: 1375950.6/20

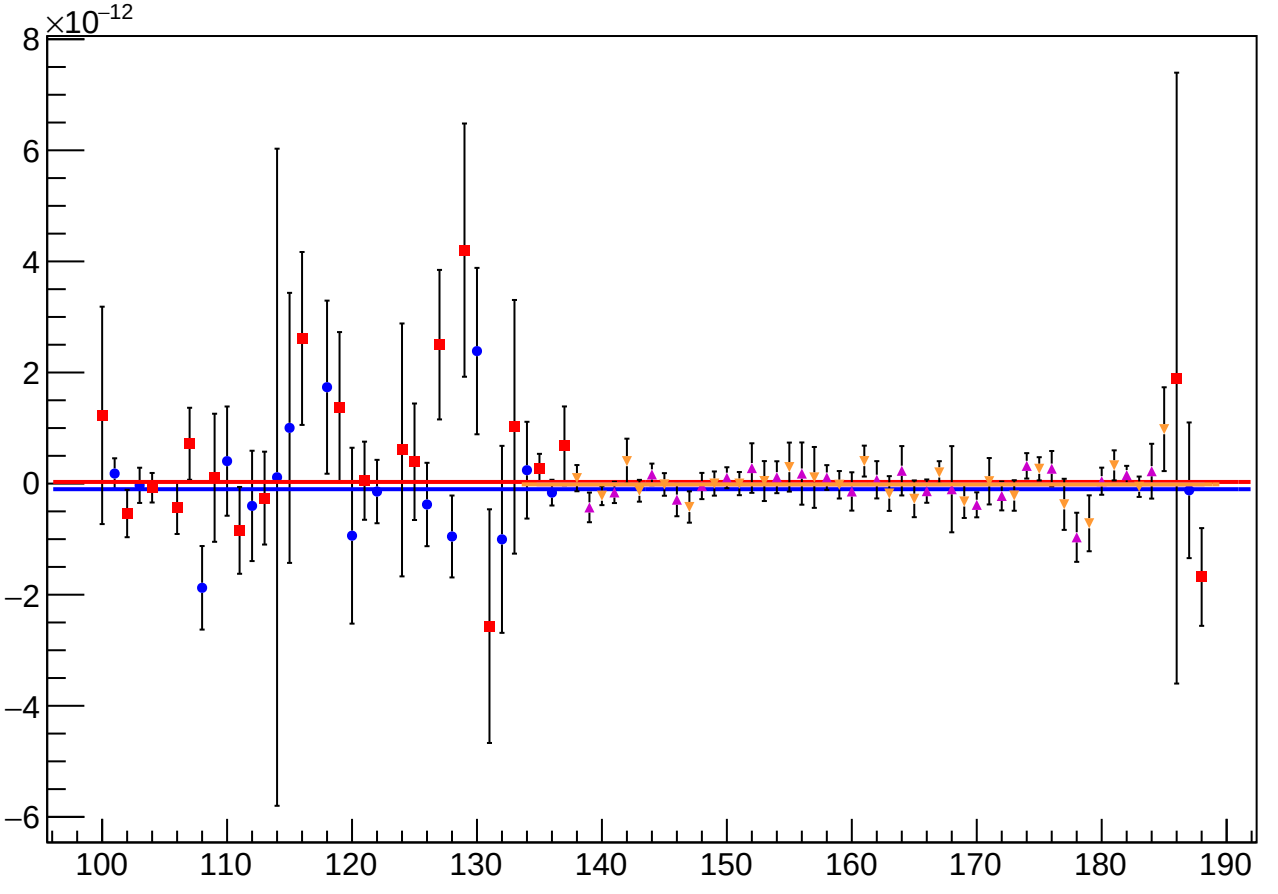
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 8959.971+/-1.254 χ^2/NDF: 2040517.8/41

All: 8911.719+/-0.882 χ^2/NDF: 4652619.5/85

- sign 8864.560+/-1.240 χ^2/NDF: 2609174.8/43

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/20

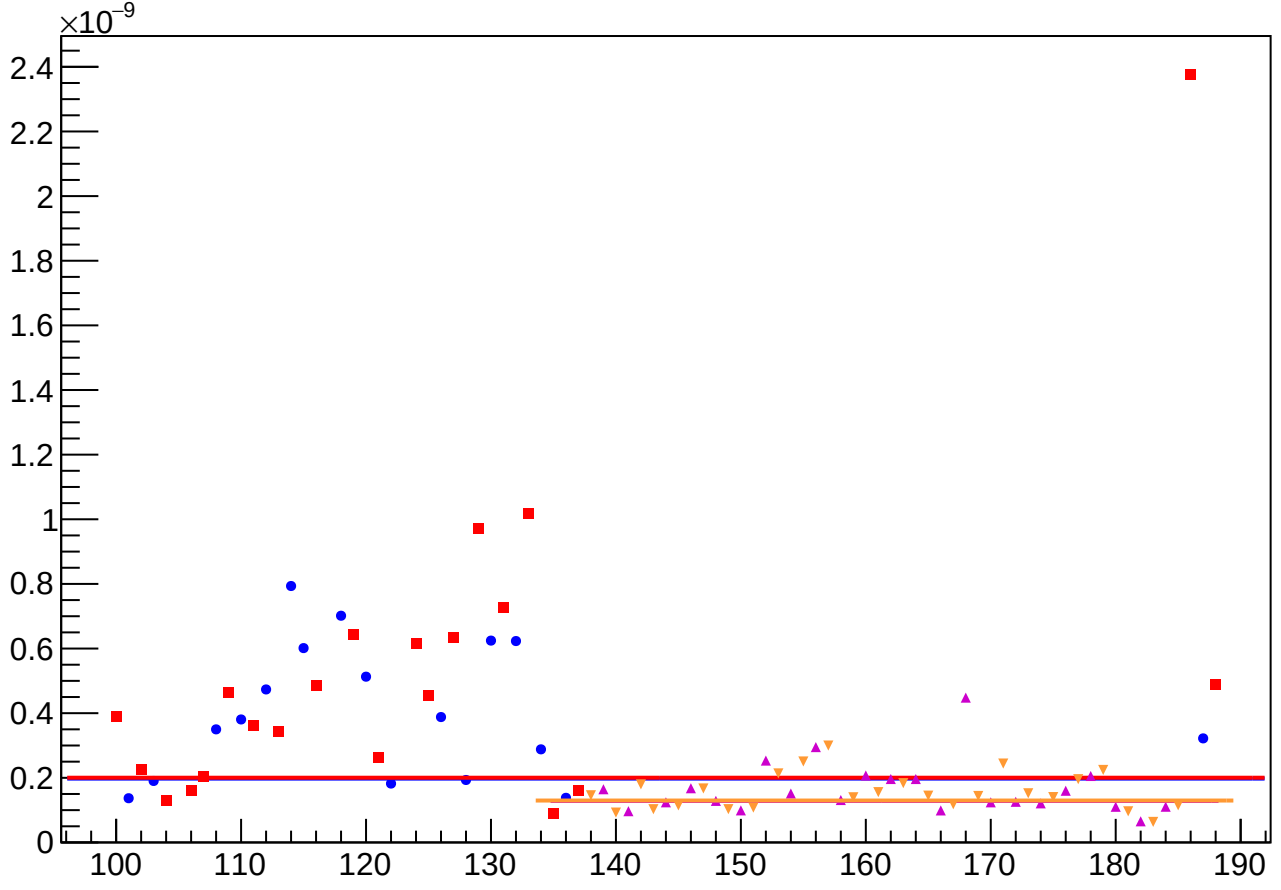
Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.4/41

All: -0.000+/-0.000 χ^2/NDF: 76.3/85

- sign -0.000+/-0.000 χ^2/NDF: 42.8/43

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1363288.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

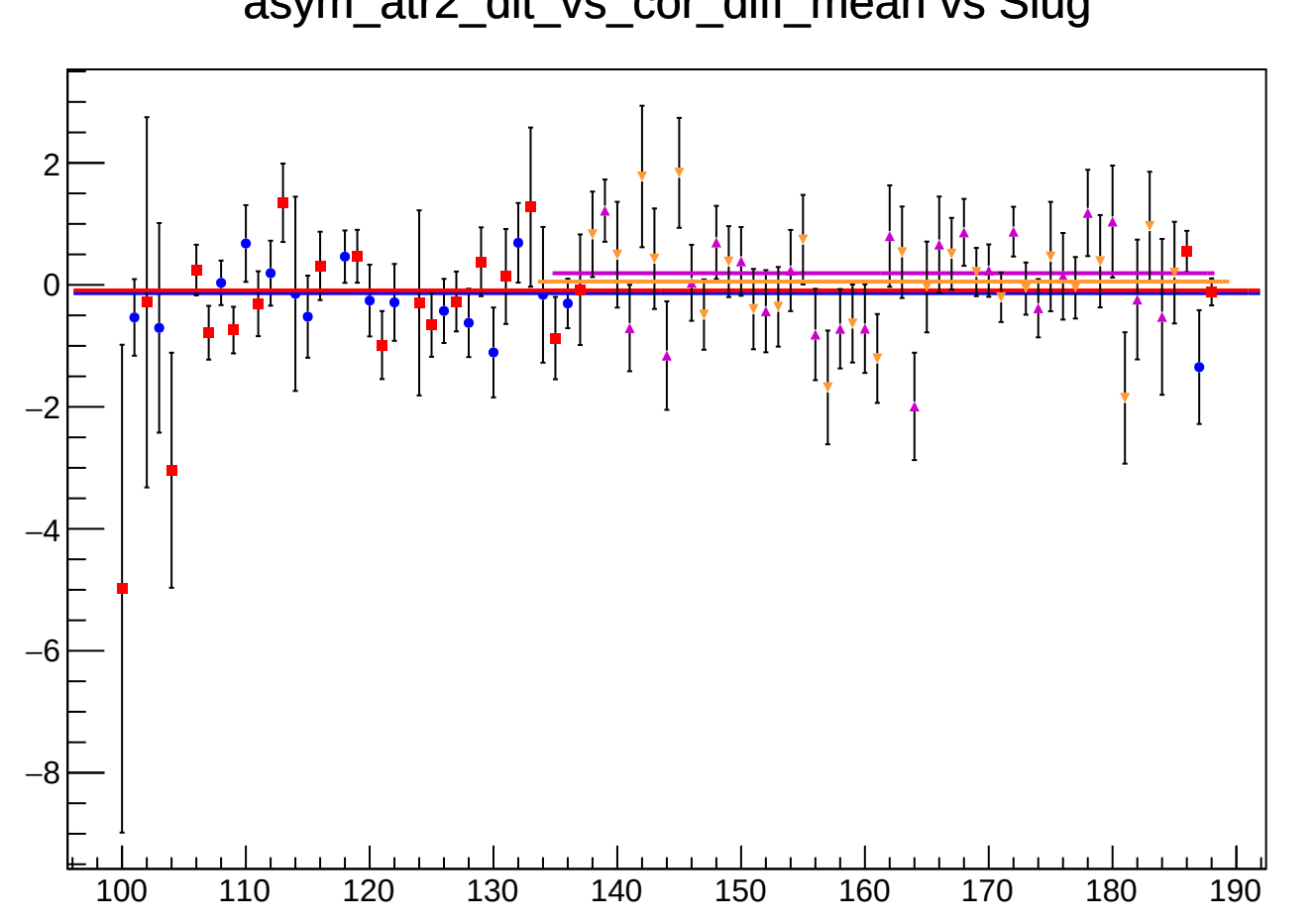
Right Out: 0.000+/-0.000 χ^2/NDF: 2601374.6/20

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3201510.5/41

All: 0.000+/-0.000 χ^2/NDF: 7793503.0/85

- sign 0.000+/-0.000 χ^2/NDF: 4591732.3/43



Right In: -0.135+/-0.143 χ^2/NDF: 11.4/16

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.091+/-0.110 χ^2/NDF: 27.9/20

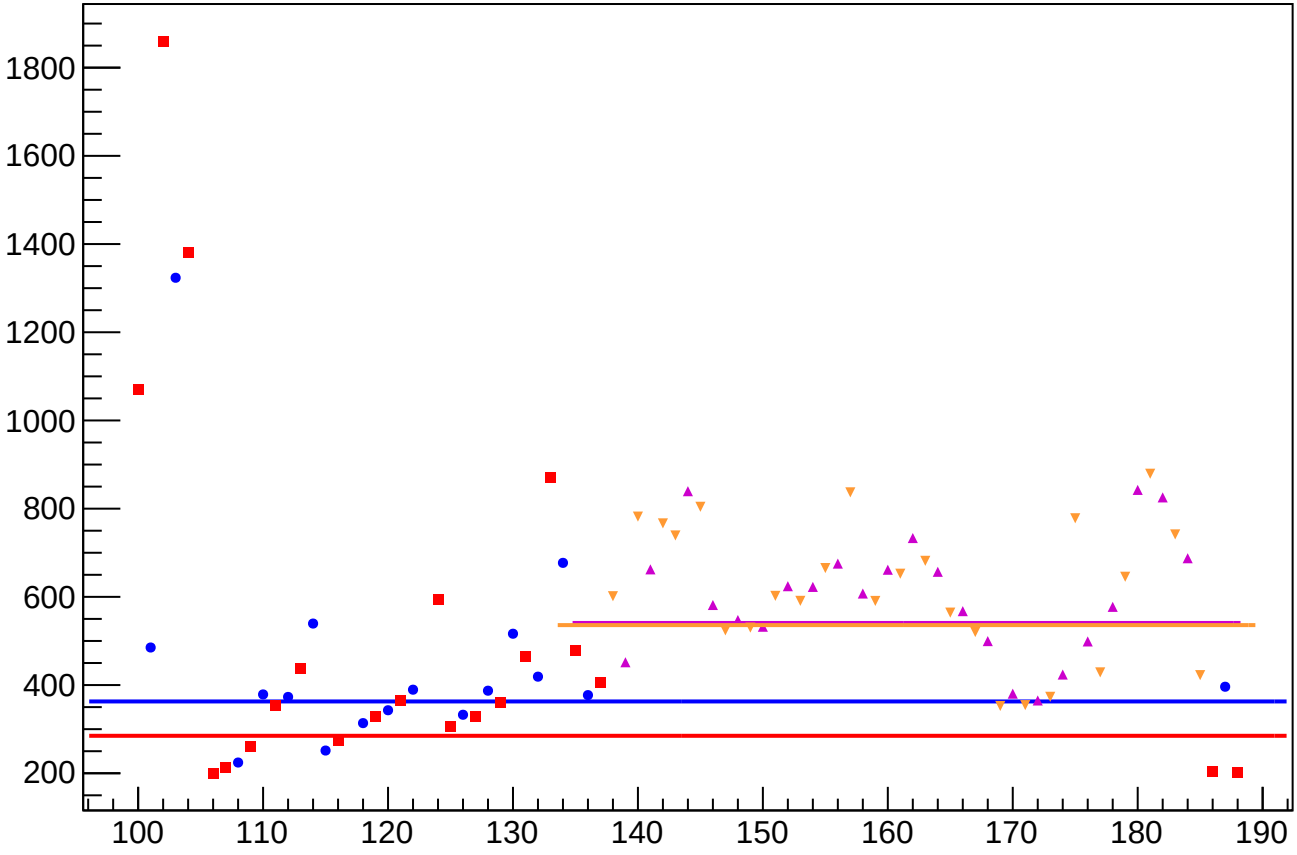
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.031+/-0.096 χ^2/NDF: 37.1/41

All: -0.000+/-0.064 χ^2/NDF: 99.0/85

- sign 0.024+/-0.085 χ^2/NDF: 61.7/43

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.839+/-0.101 χ^2/NDF: 1379950.0/16

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

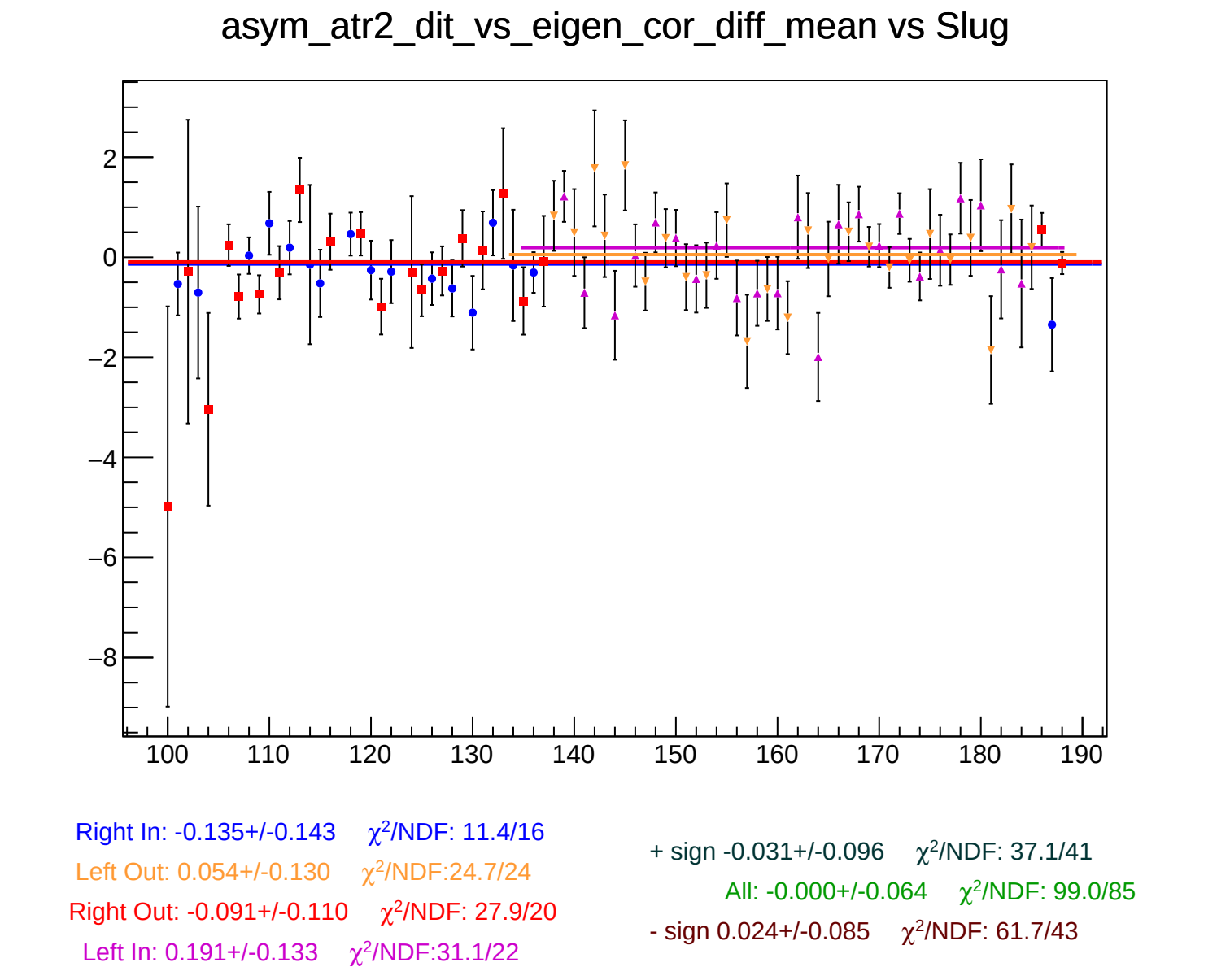
Right Out: 284.945+/-0.078 χ^2/NDF: 2853871.4/20

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

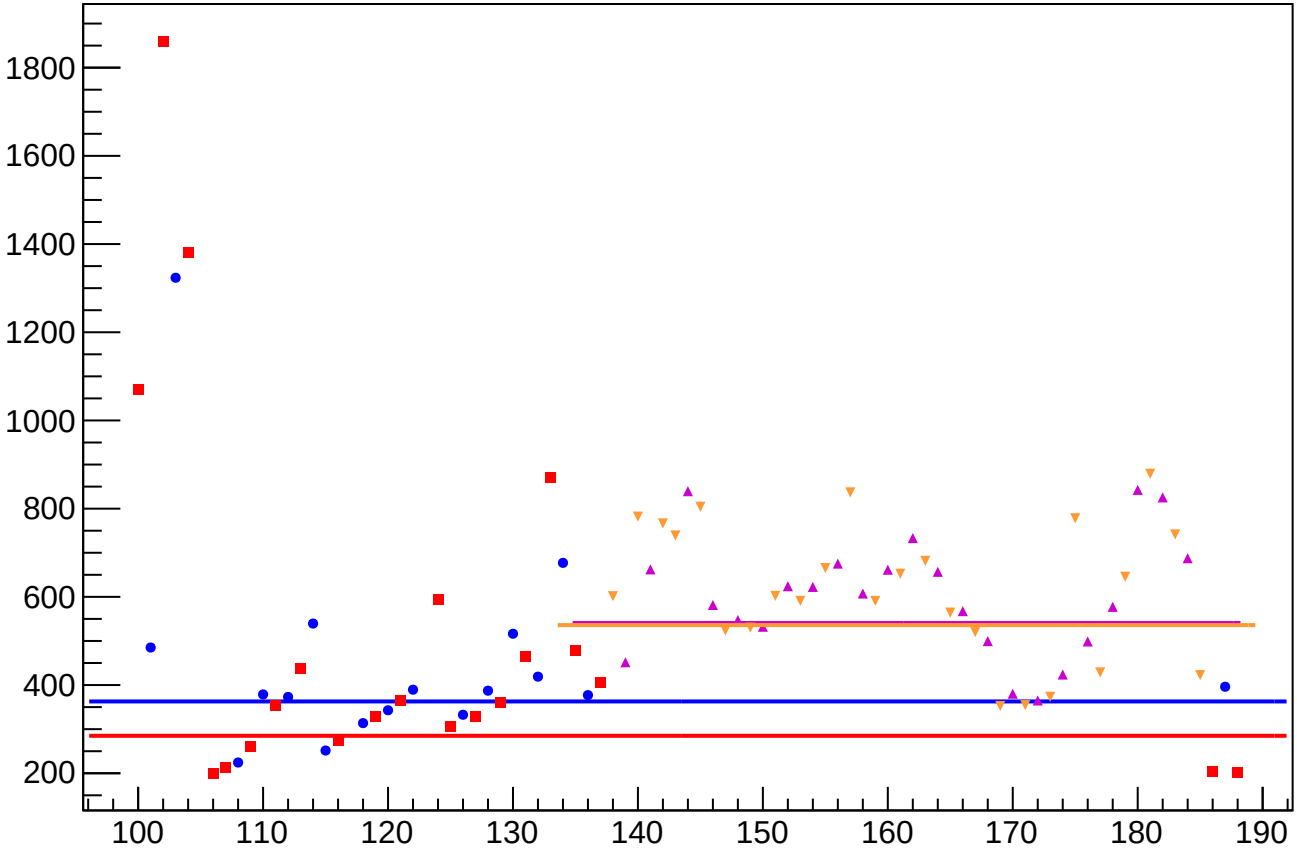
+ sign 457.931+/-0.068 χ^2/NDF: 5740167.9/41

All: 419.342+/-0.045 χ^2/NDF: 15454854.4/85

- sign 389.115+/-0.060 χ^2/NDF: 9138176.8/43


asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: -0.135+/-0.143 χ²/NDF: 11.4/16
Left Out: 0.054+/-0.130 χ²/NDF:24.7/24
Right Out: -0.091+/-0.110 χ²/NDF: 27.9/20
Left In: 0.191+/-0.133 χ²/NDF:31.1/22
+ sign -0.031+/-0.096 χ²/NDF: 37.1/41
All: -0.000+/-0.064 χ²/NDF: 99.0/85
- sign 0.024+/-0.085 χ²/NDF: 61.7/43

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.839+/-0.101 χ^2/NDF: 1379950.0/16

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

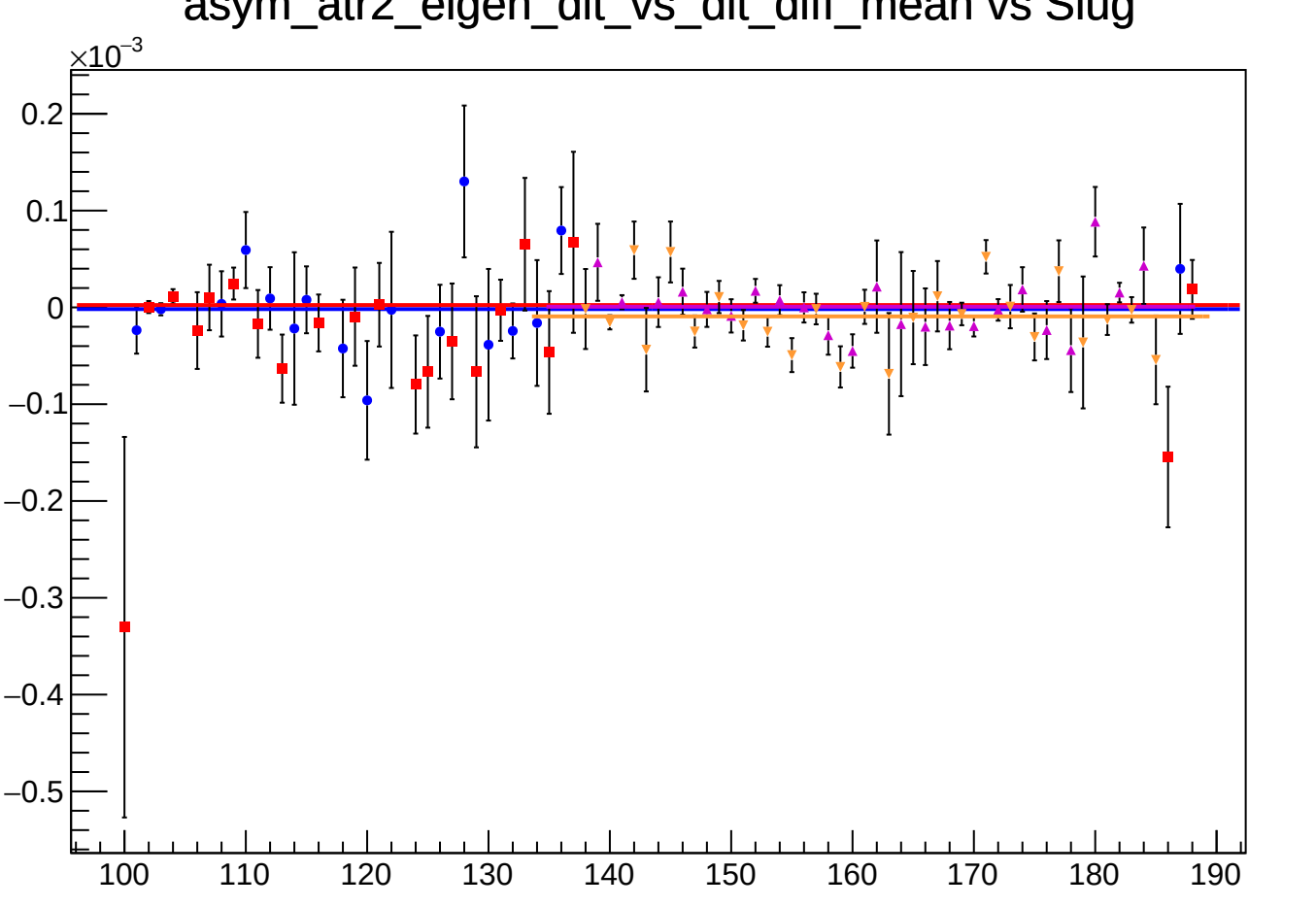
Right Out: 284.945+/-0.078 χ^2/NDF: 2853871.4/20

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 457.931+/-0.068 χ^2/NDF: 5740167.9/41

All: 419.342+/-0.045 χ^2/NDF: 15454854.4/85

- sign 389.115+/-0.060 χ^2/NDF: 9138176.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/20

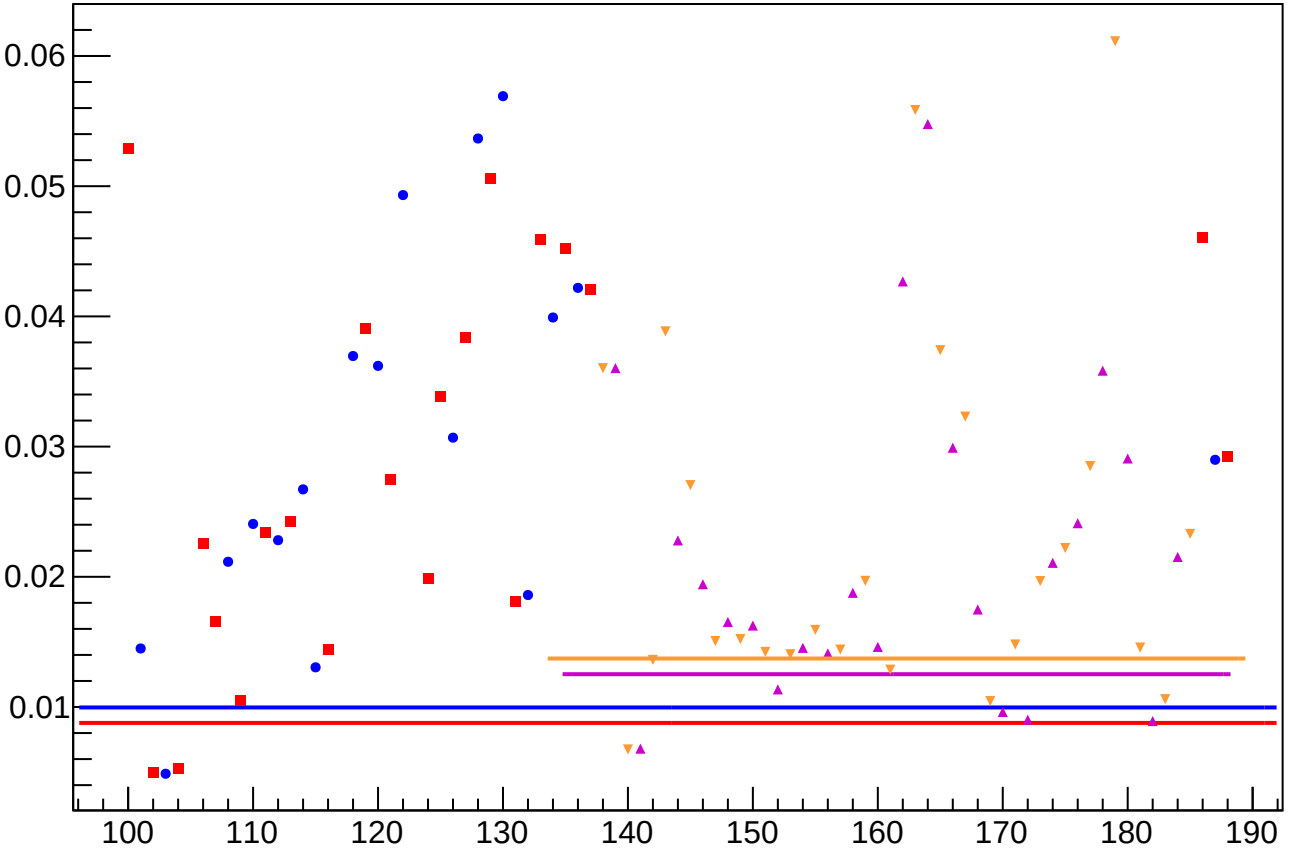
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.6/41

All: -0.000+/-0.000 χ^2/NDF: 118.3/85

- sign 0.000+/-0.000 χ^2/NDF: 53.3/43

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7213764.9/16

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

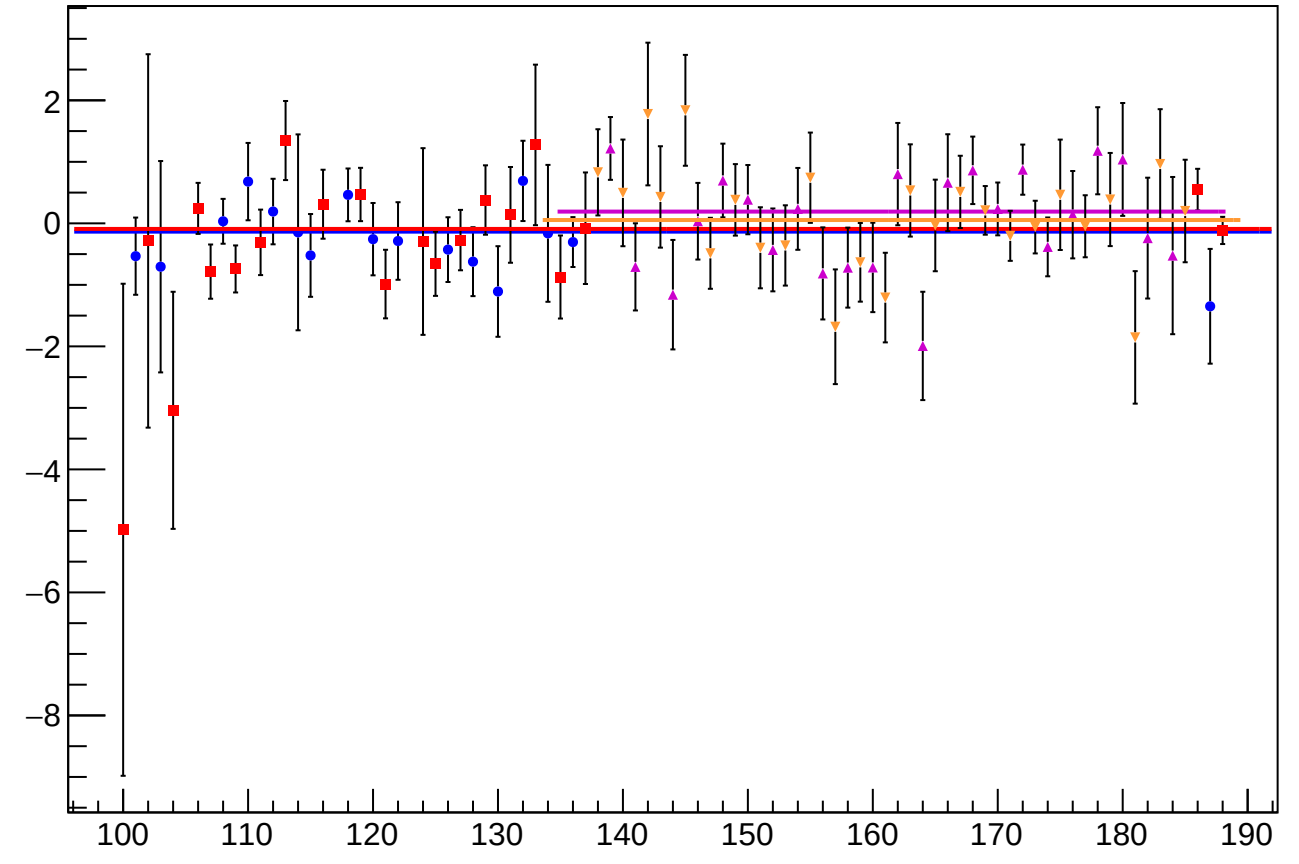
Right Out: 0.009+/-0.000 χ^2/NDF: 8207892.4/20

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 15603623.0/41

All: 0.012+/-0.000 χ^2/NDF: 32191588.6/85

- sign 0.011+/-0.000 χ^2/NDF: 16285661.8/43



Right In: -0.135+/-0.143 χ^2/NDF: 11.4/16

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.091+/-0.110 χ^2/NDF: 27.9/20

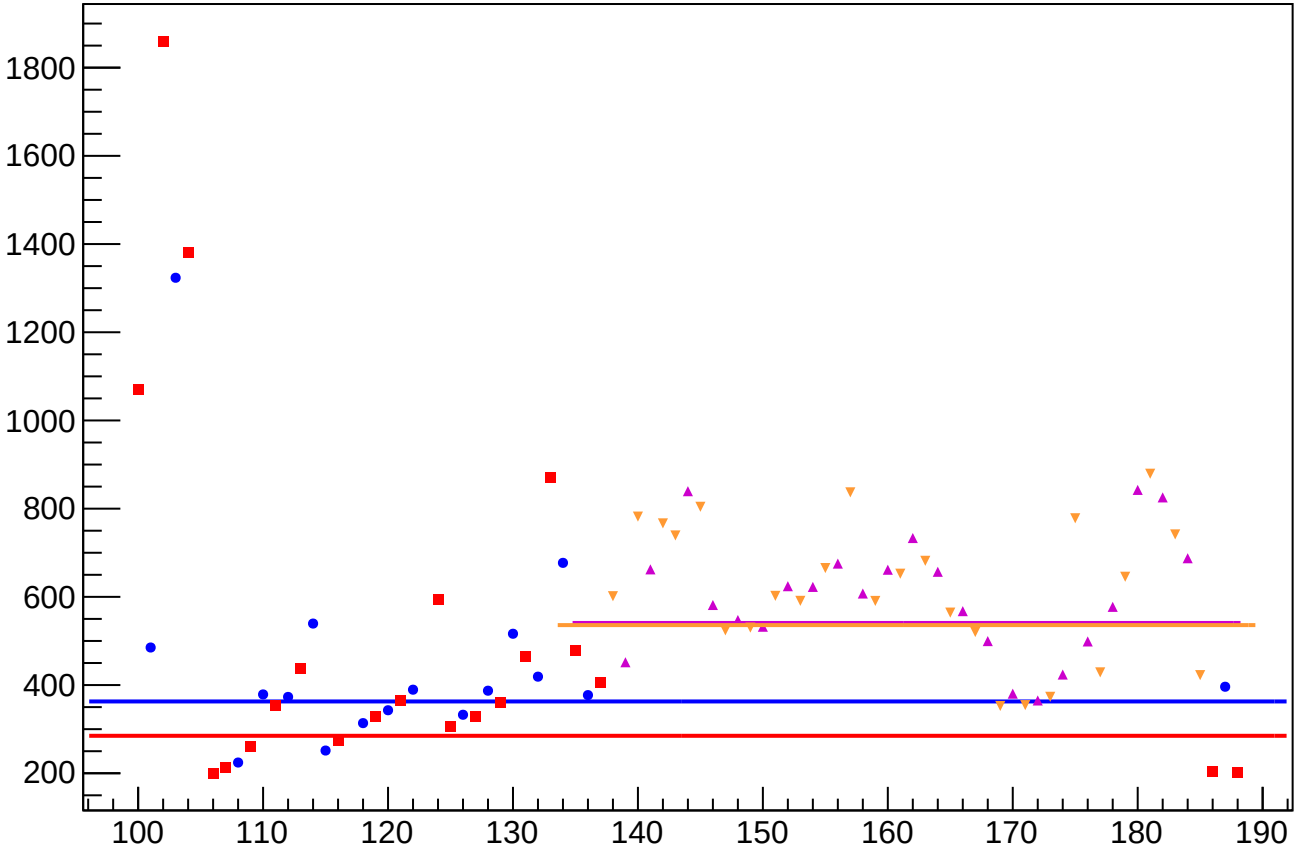
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.031+/-0.096 χ^2/NDF: 37.1/41

All: -0.000+/-0.064 χ^2/NDF: 99.0/85

- sign 0.024+/-0.085 χ^2/NDF: 61.7/43

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.837+/-0.101 χ^2/NDF: 1379952.0/16

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

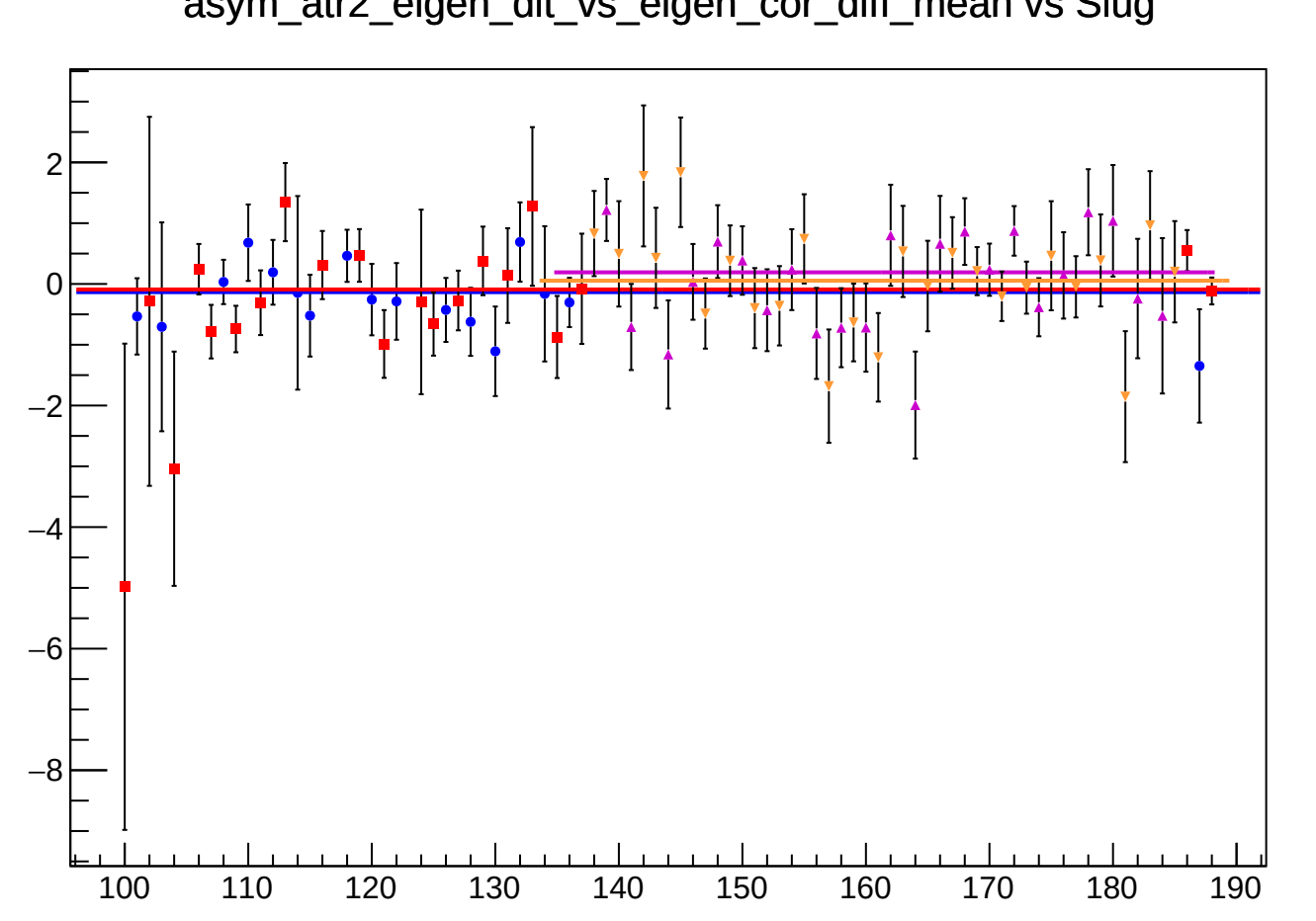
Right Out: 284.947+/-0.078 χ^2/NDF: 2853802.7/20

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 457.931+/-0.068 χ^2/NDF: 5740387.9/41

All: 419.344+/-0.045 χ^2/NDF: 15455049.2/85

- sign 389.117+/-0.060 χ^2/NDF: 9138197.2/43



Right In: -0.135+/-0.143 χ^2/NDF: 11.4/16

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.091+/-0.110 χ^2/NDF: 27.9/20

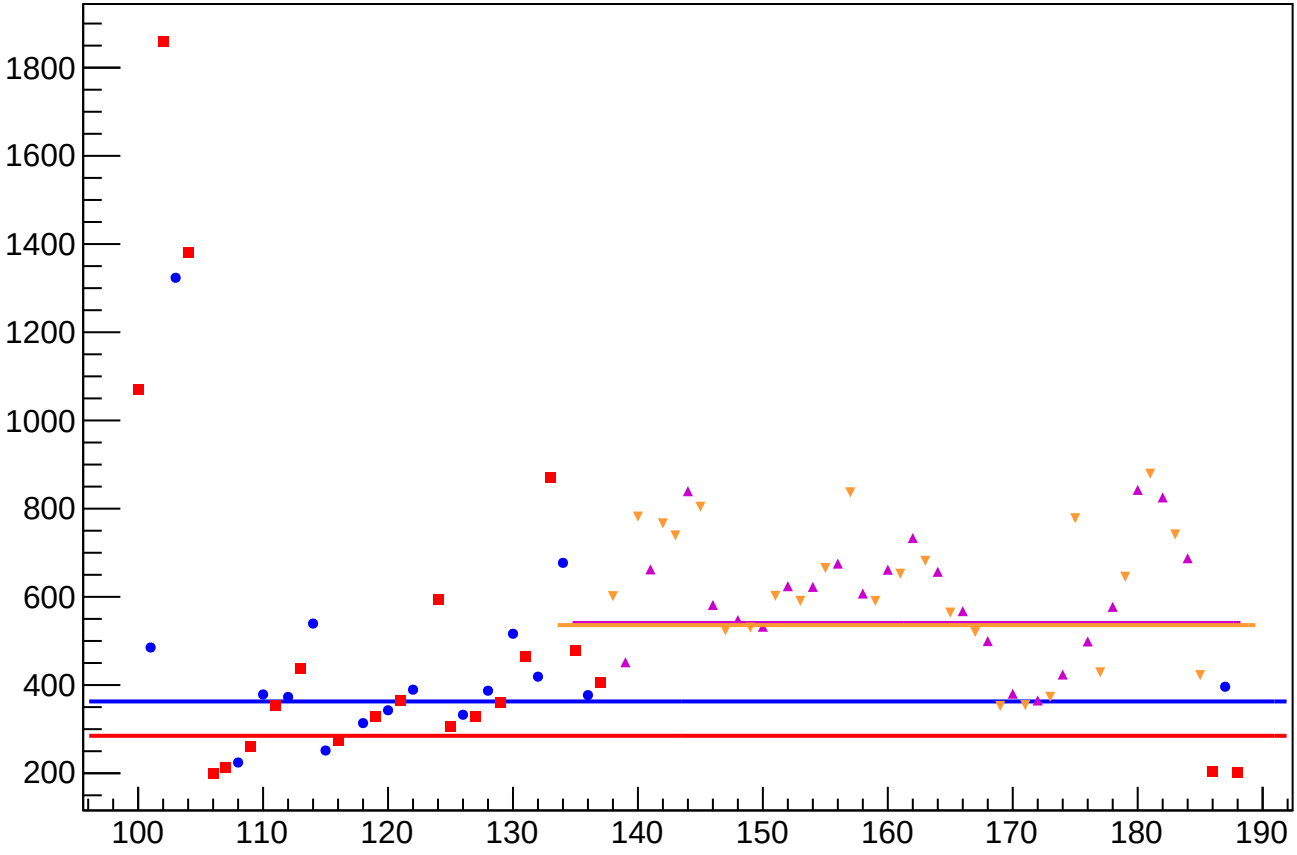
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.031+/-0.096 χ^2/NDF: 37.1/41

All: -0.000+/-0.064 χ^2/NDF: 99.0/85

- sign 0.024+/-0.085 χ^2/NDF: 61.7/43

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.837+/-0.101 χ^2/NDF: 1379952.0/16

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 284.947+/-0.078 χ^2/NDF: 2853802.7/20

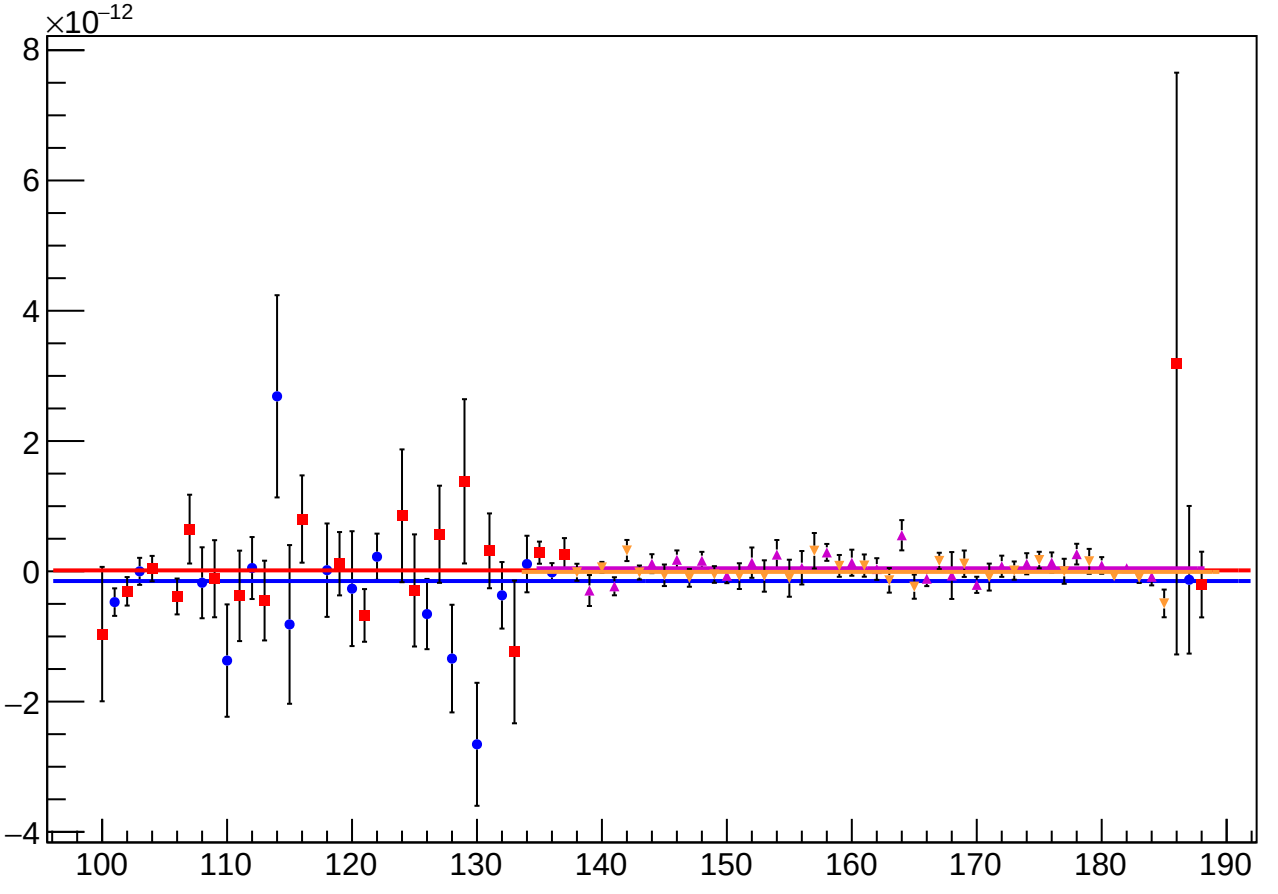
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 457.931+/-0.068 χ^2/NDF: 5740387.9/41

All: 419.344+/-0.045 χ^2/NDF: 15455049.2/85

- sign 389.117+/-0.060 χ^2/NDF: 9138197.2/43

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/20

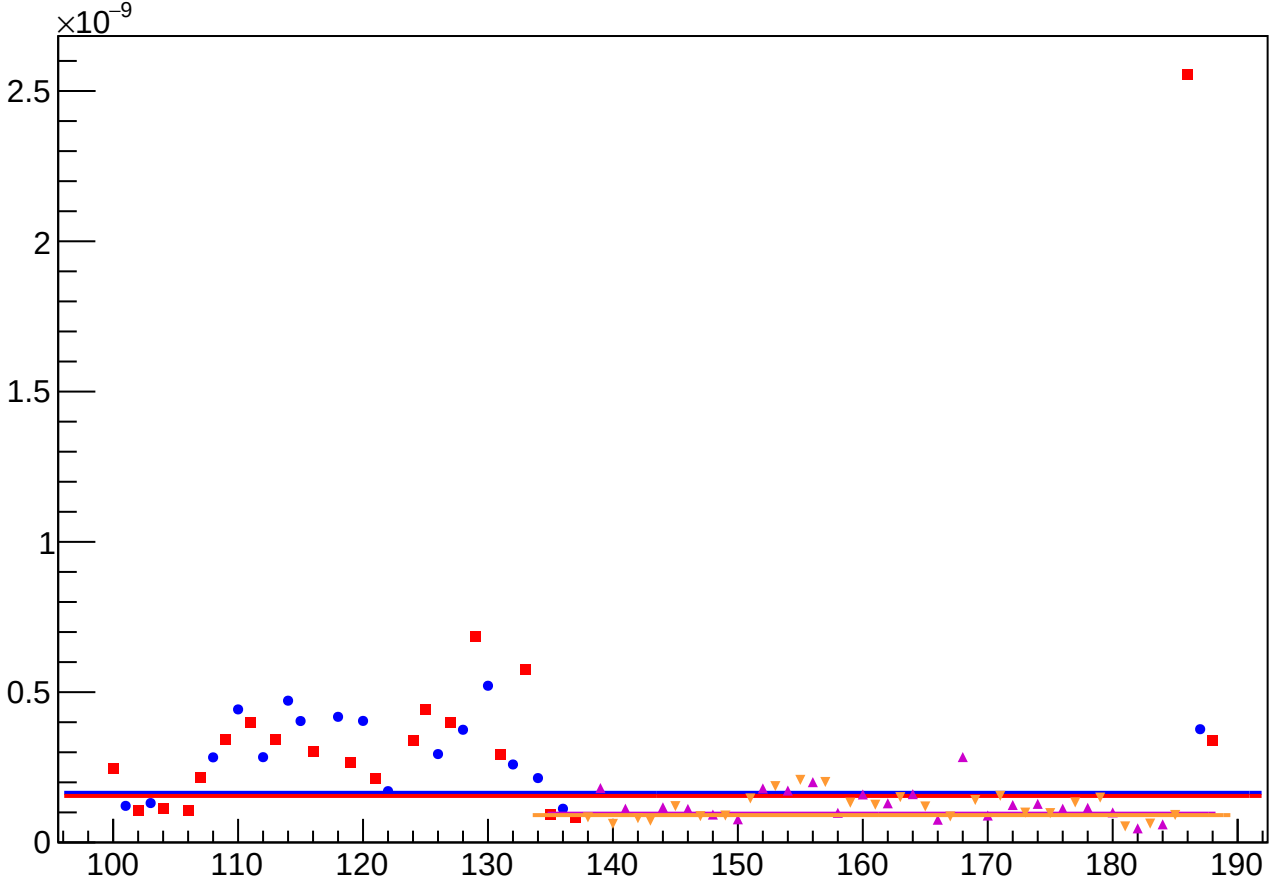
Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.7/41

All: 0.000+/-0.000 χ^2/NDF: 97.0/85

- sign 0.000+/-0.000 χ^2/NDF: 48.4/43

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2081364.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3701546.1/20

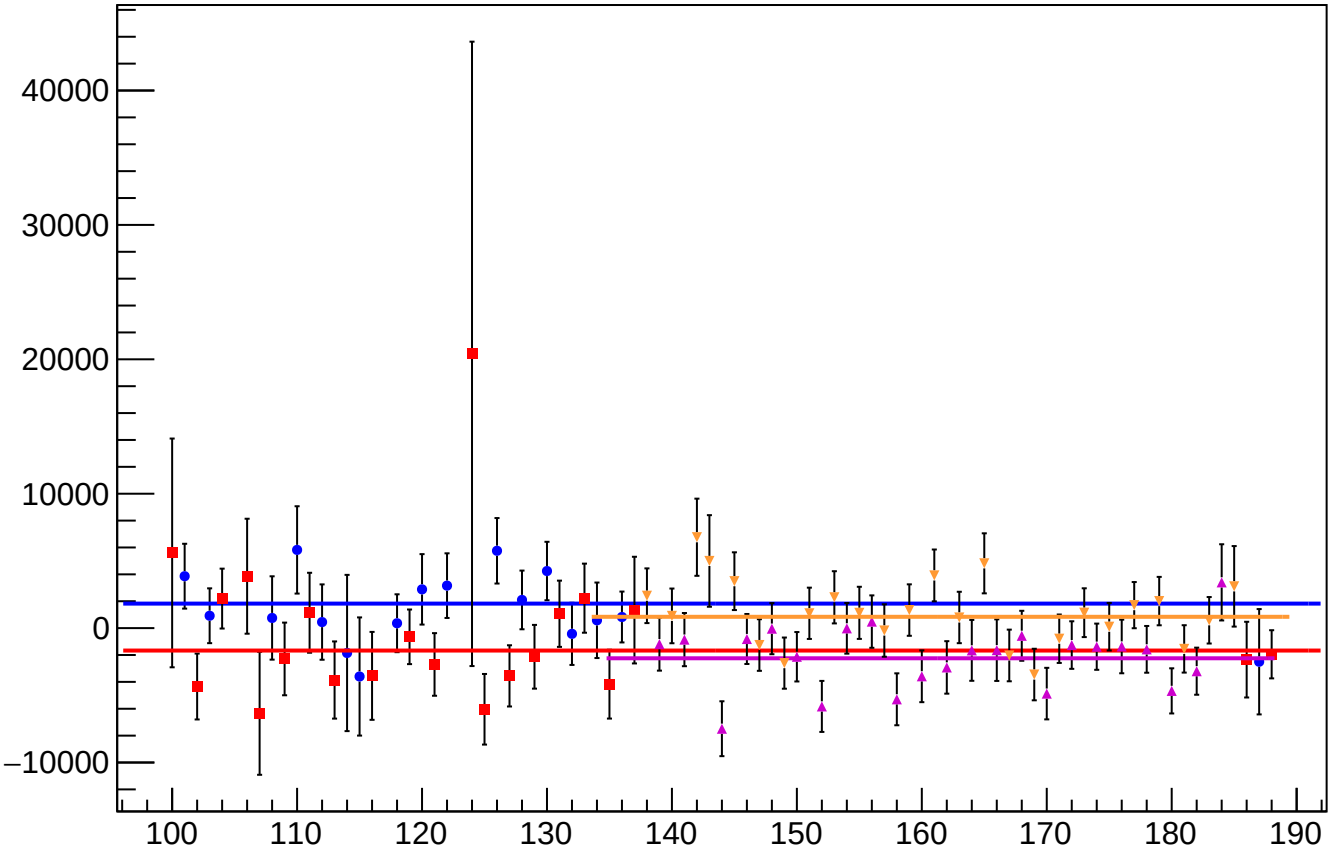
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6768965.3/41

All: 0.000+/-0.000 χ^2/NDF: 15316431.9/85

- sign 0.000+/-0.000 χ^2/NDF: 8518234.4/43

reg_asym_atl_avg_mean vs Slug



Right In: 1823.742+/-619.969 χ^2/NDF: 12.1/16

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1669.027+/-591.088 χ^2/NDF: 19.5/20

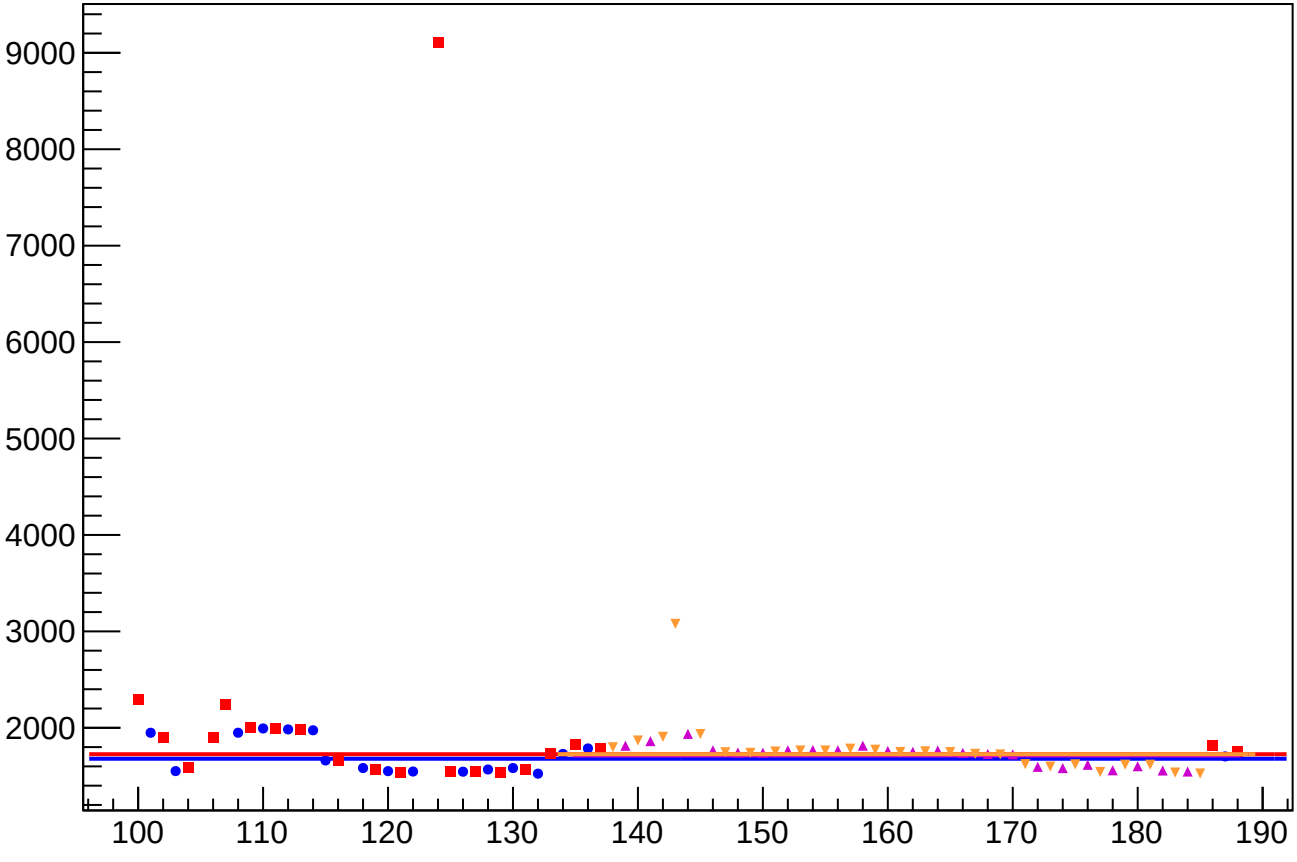
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1124.585+/-332.797 χ^2/NDF: 44.3/41

All: -474.781+/-234.935 χ^2/NDF: 139.9/85

- sign -2063.645+/-331.703 χ^2/NDF: 49.6/43

reg_asym_atl_avg_rms vs Slug



Right In: 1679.164+/-0.438 χ^2/NDF: 141560.7/16

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1726.208+/-0.416 χ^2/NDF: 385800.6/20

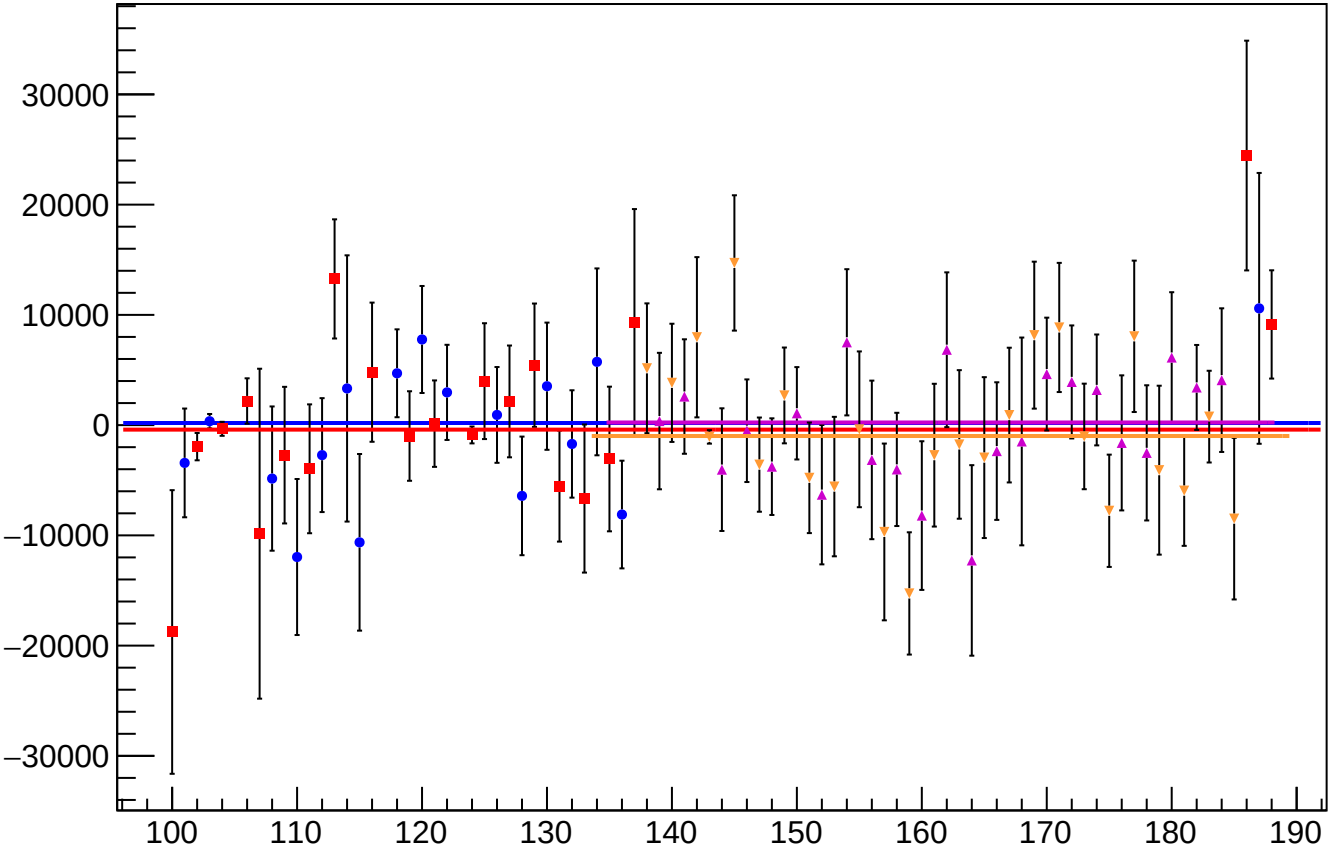
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1712.545+/-0.235 χ^2/NDF: 604637.2/41

All: 1714.928+/-0.166 χ^2/NDF: 1120604.2/85

- sign 1717.289+/-0.234 χ^2/NDF: 515763.0/43

asym_atl_avg_reg_correction_mean vs Slug



Right In: 192.407+/-590.922 χ^2/NDF: 16.5/16

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -408.375+/-422.854 χ^2/NDF: 28.1/20

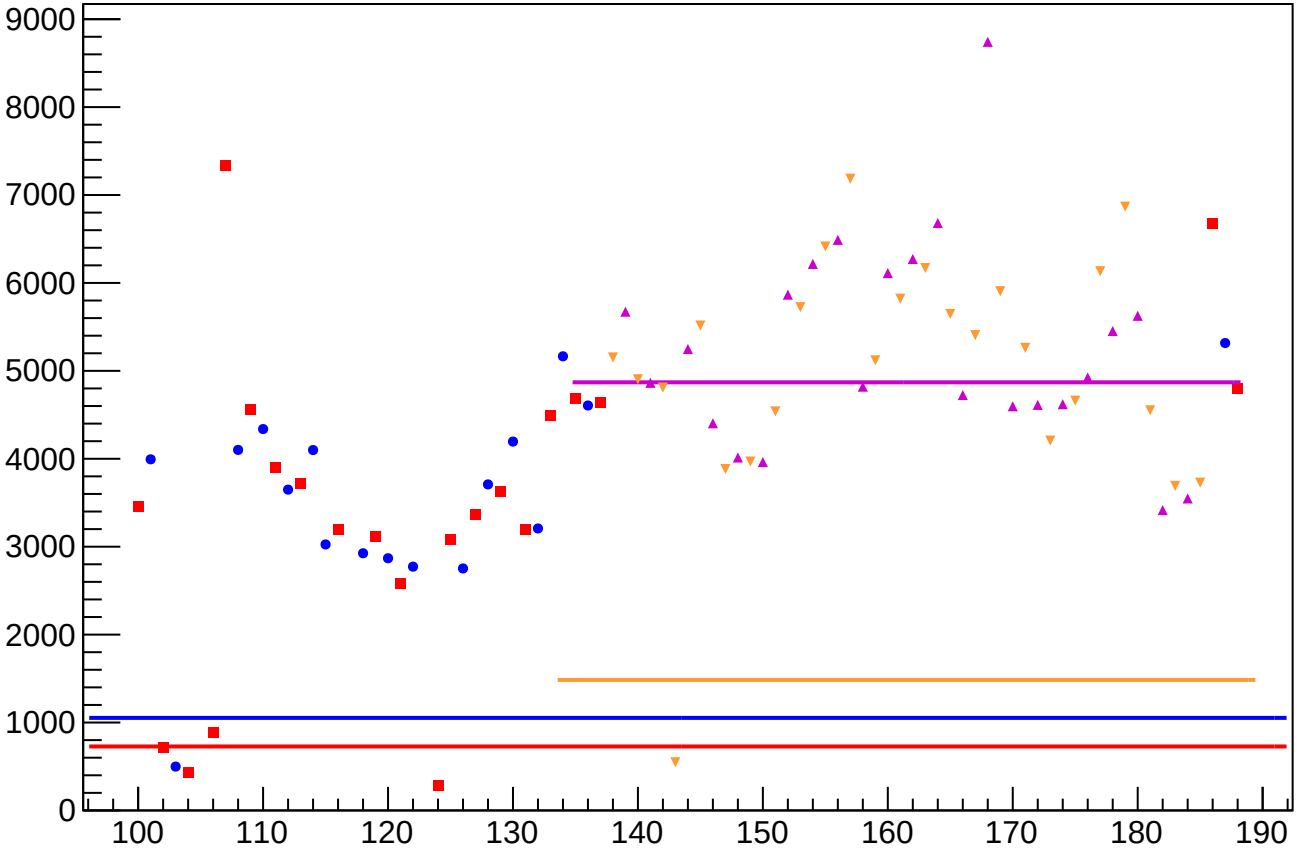
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -449.279+/-399.129 χ^2/NDF: 49.5/41

All: -390.876+/-281.643 χ^2/NDF: 91.5/85

- sign -332.954+/-397.483 χ^2/NDF: 41.9/43

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1053.007+/-0.418 χ^2/NDF: 8353413.0/16

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 727.712+/-0.299 χ^2/NDF: 10679153.2/20

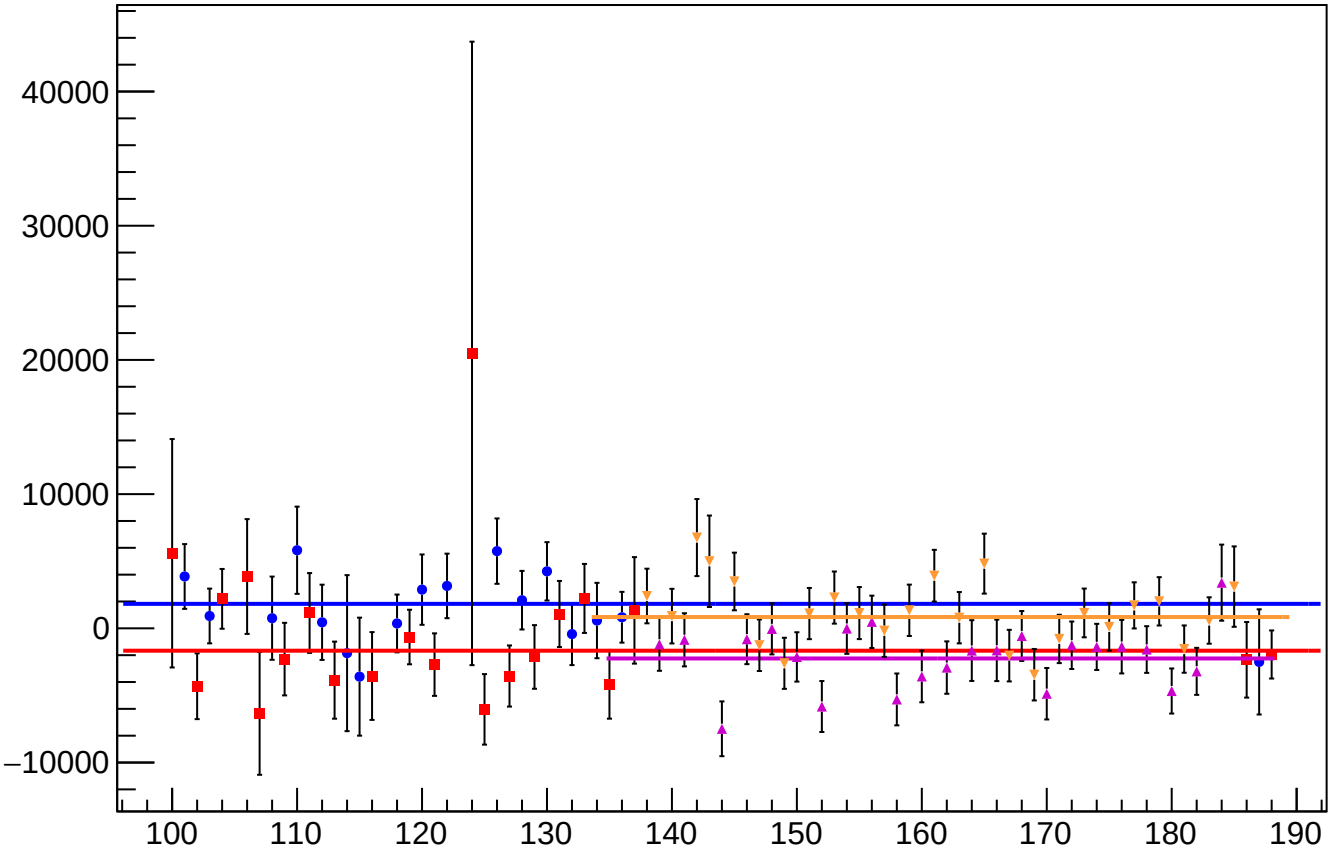
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1287.683+/-0.282 χ^2/NDF: 32158420.5/41

All: 1248.599+/-0.199 χ^2/NDF: 66686684.2/8

- sign 1209.837+/-0.281 χ^2/NDF: 34490066.6/43

cor_asym_atl_avg_mean vs Slug



Right In: 1823.846+/-619.969 χ^2/NDF: 12.1/16

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1666.978+/-591.092 χ^2/NDF: 19.5/20

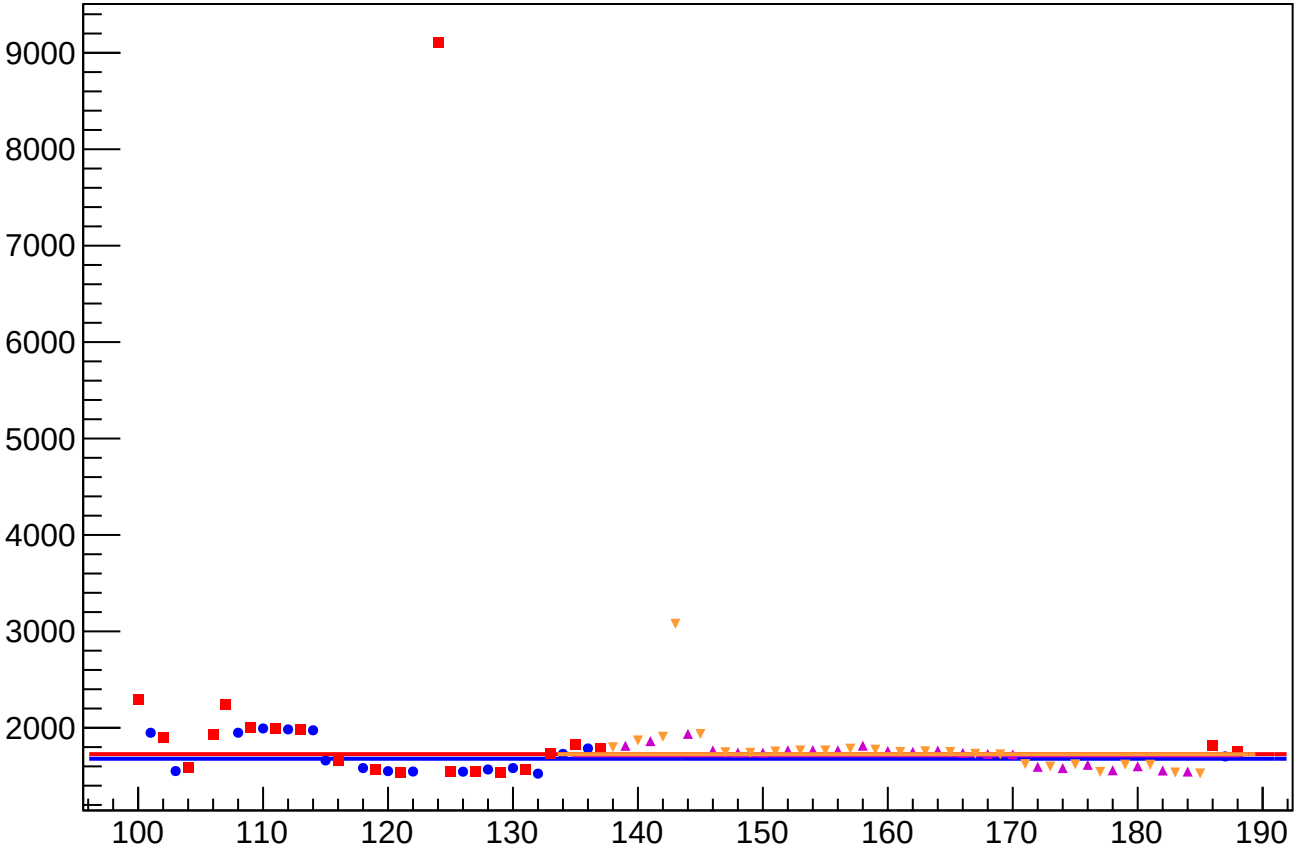
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1124.610+/-332.797 χ^2/NDF: 44.3/41

All: -474.449+/-234.936 χ^2/NDF: 139.9/85

- sign -2063.015+/-331.704 χ^2/NDF: 49.5/43

cor_asym_atl_avg_rms vs Slug



Right In: 1679.163+/-0.438 χ^2/NDF: 141560.8/16

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1726.922+/-0.416 χ^2/NDF: 387479.3/20

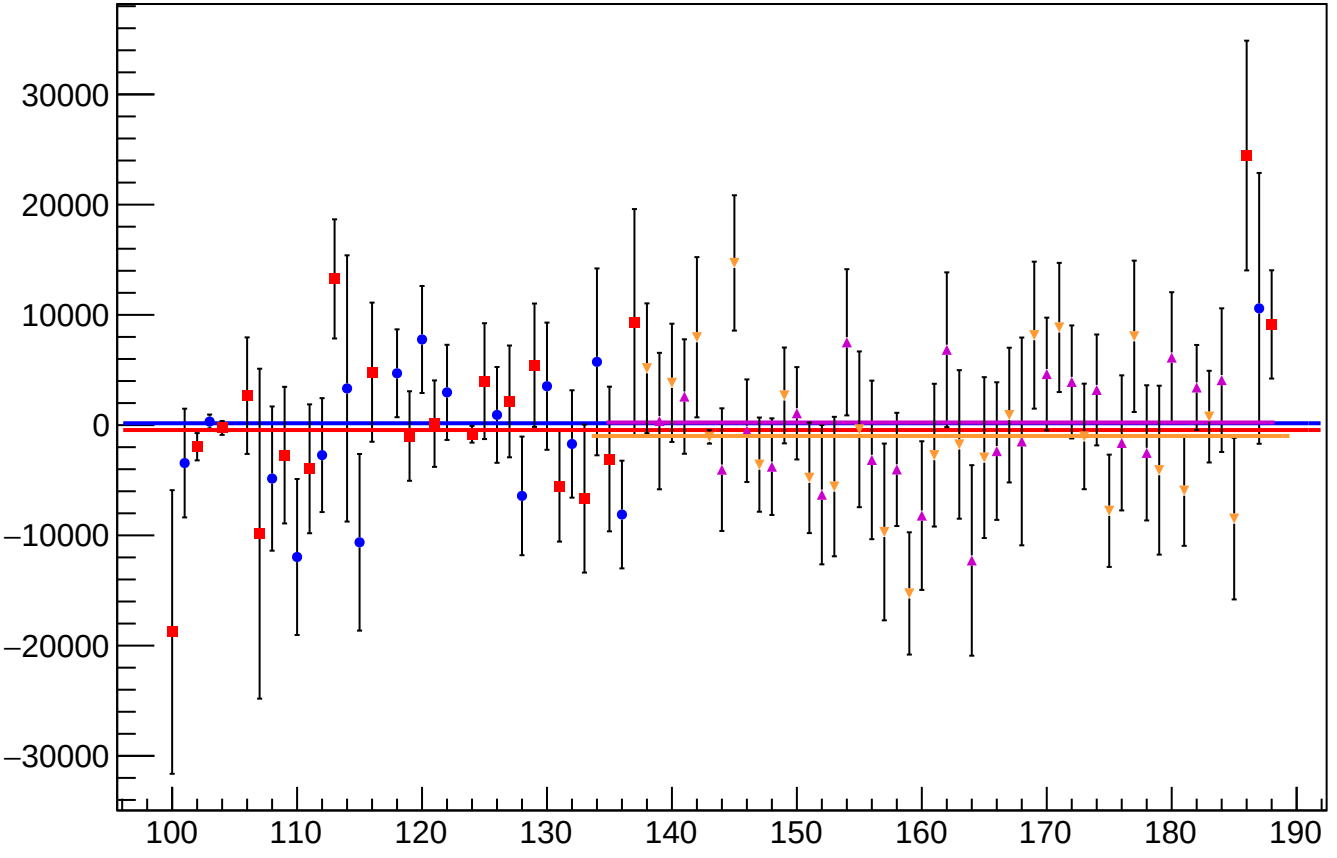
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1712.545+/-0.235 χ^2/NDF: 604637.3/41

All: 1715.040+/-0.166 χ^2/NDF: 1122377.8/85

- sign 1717.512+/-0.234 χ^2/NDF: 517516.8/43

asym_atl_avg_cor_correction_mean vs Slug



Right In: 169.734+/-578.713 χ^2/NDF: 16.5/16

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -445.283+/-428.612 χ^2/NDF: 26.8/20

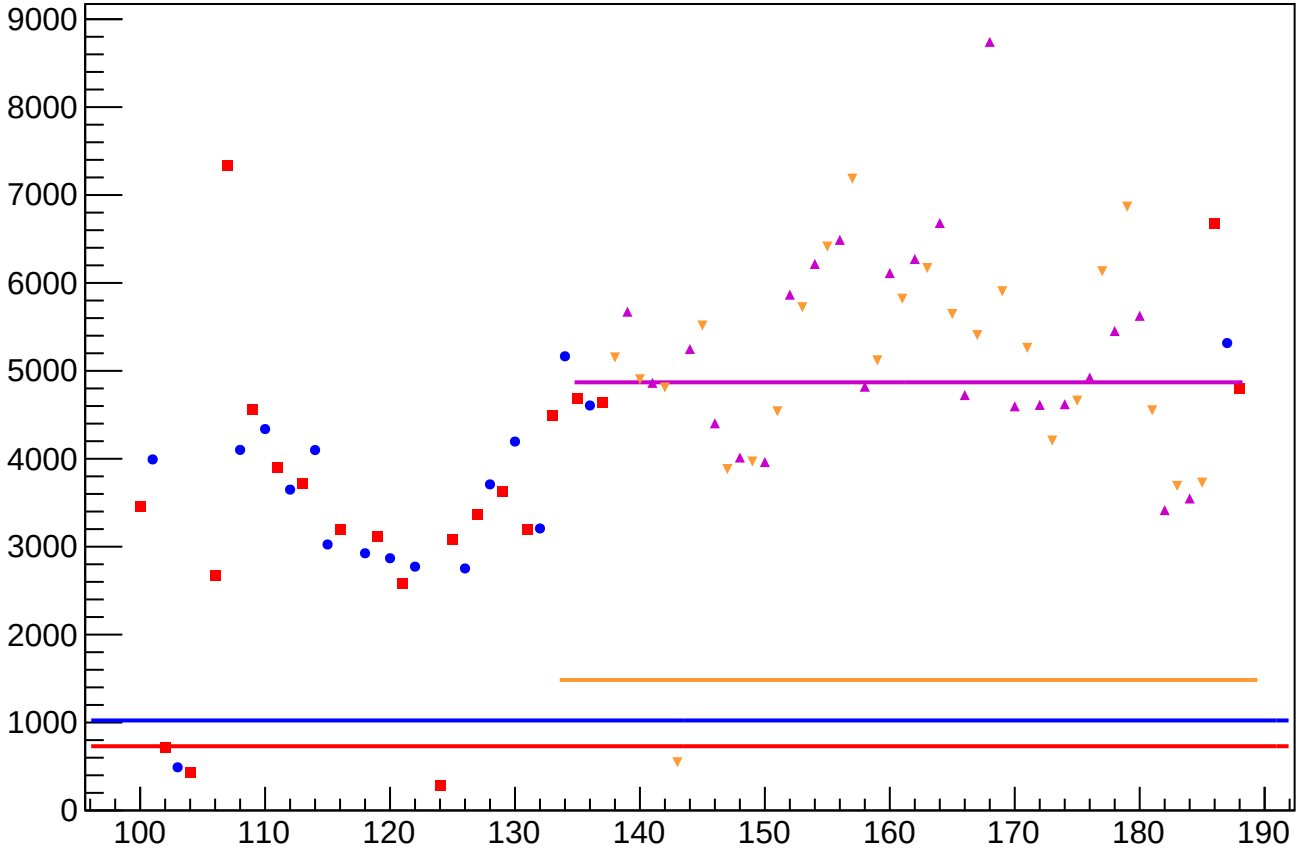
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -447.457+/-395.296 χ^2/NDF: 49.5/41

All: -406.285+/-281.944 χ^2/NDF: 90.1/85

- sign -363.652+/-402.254 χ^2/NDF: 40.6/43

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1023.645+/-0.409 χ^2/NDF: 8467847.9/16

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 730.528+/-0.303 χ^2/NDF: 10955944.6/20

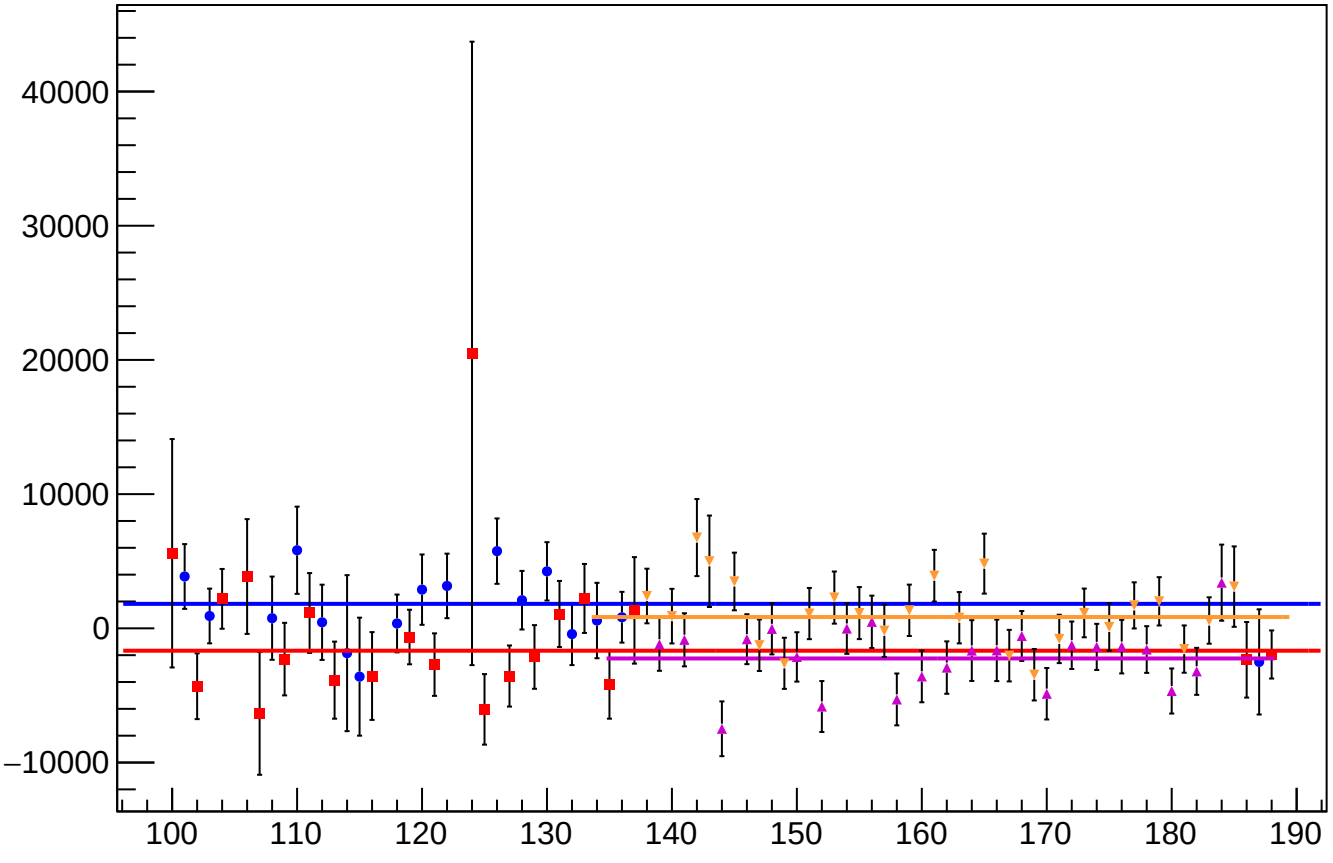
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1269.470+/-0.280 χ^2/NDF: 32369937.9/41

All: 1247.113+/-0.199 χ^2/NDF: 67048471.7/8

- sign 1223.962+/-0.284 χ^2/NDF: 34665511.6/43

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1823.846+/-619.969 χ^2/NDF: 12.1/16

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1666.978+/-591.092 χ^2/NDF: 19.5/20

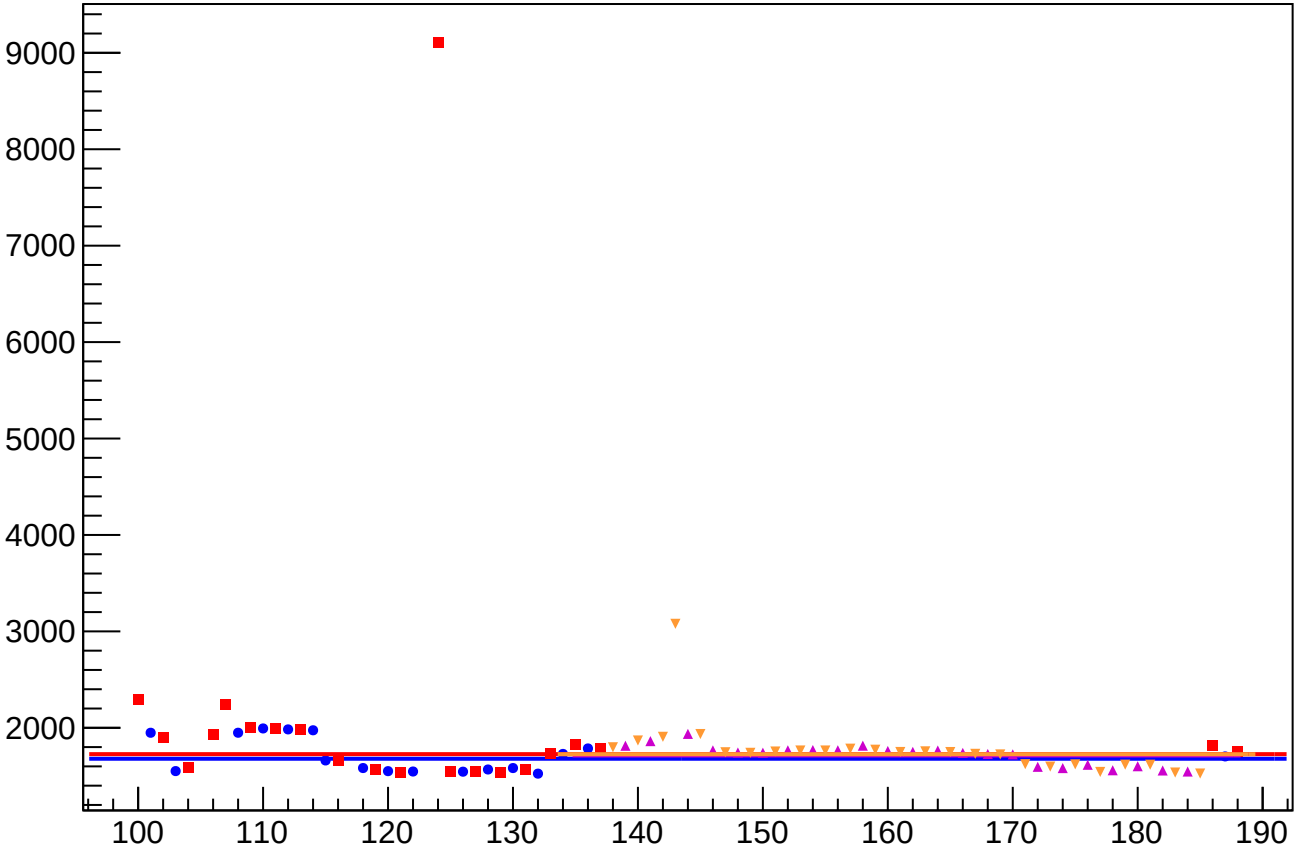
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1124.610+/-332.797 χ^2/NDF: 44.3/41

All: -474.449+/-234.936 χ^2/NDF: 139.9/85

- sign -2063.015+/-331.704 χ^2/NDF: 49.5/43

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1679.163+/-0.438 χ^2/NDF: 141560.8/16

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

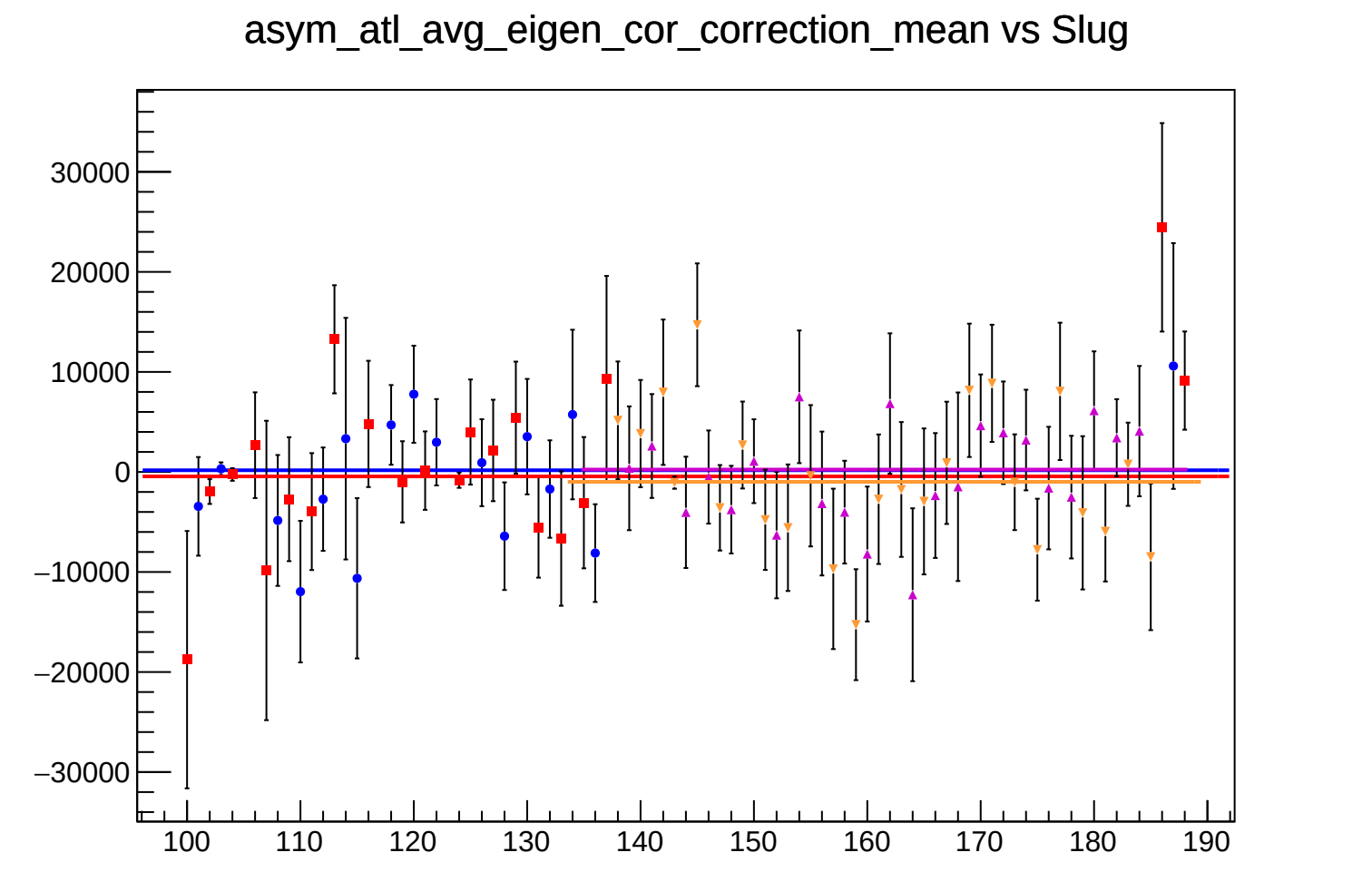
Right Out: 1726.922+/-0.416 χ^2/NDF: 387479.3/20

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1712.545+/-0.235 χ^2/NDF: 604637.3/41

All: 1715.040+/-0.166 χ^2/NDF: 1122377.8/85

- sign 1717.512+/-0.234 χ^2/NDF: 517516.8/43



Right In: 169.734+/-578.713 χ^2/NDF: 16.5/16

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -445.283+/-428.612 χ^2/NDF: 26.8/20

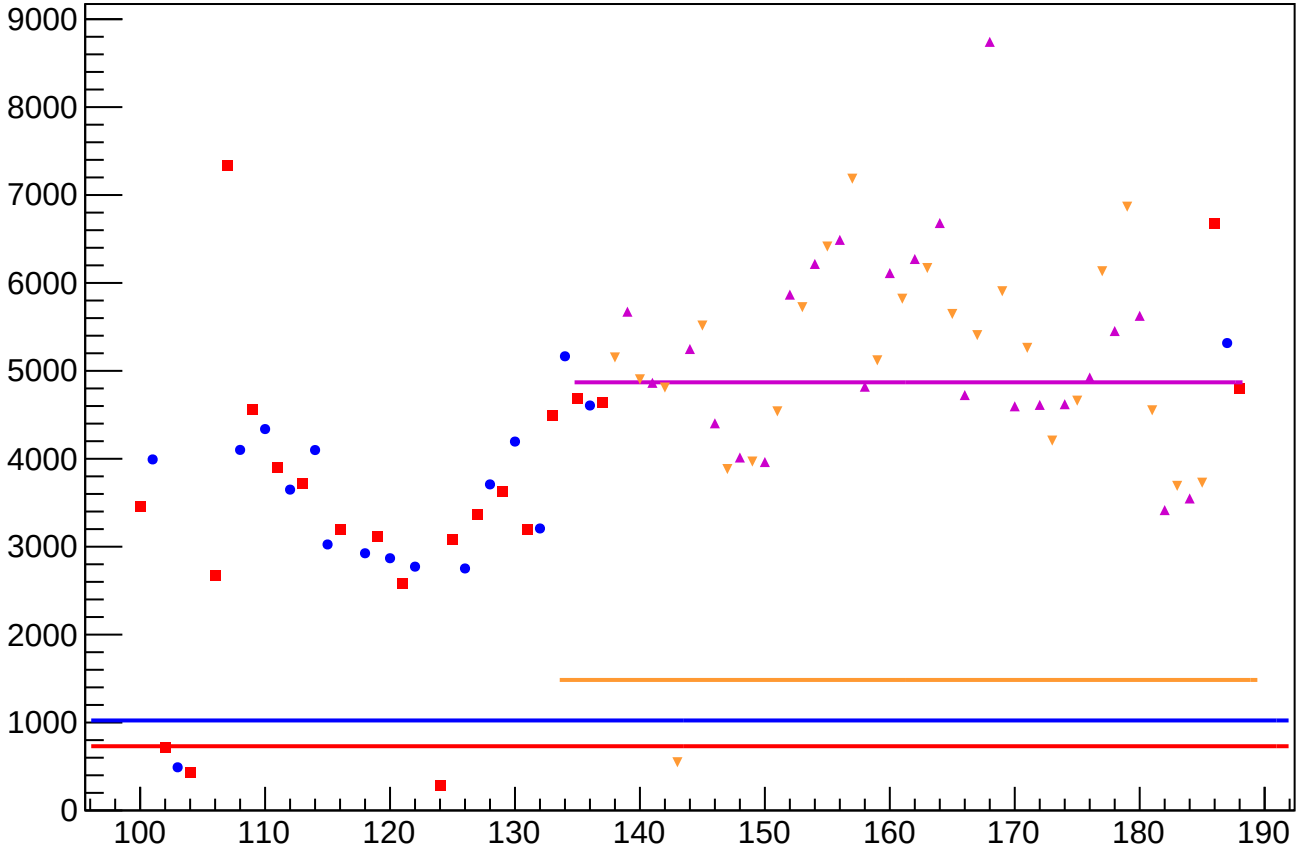
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -447.457+/-395.296 χ^2/NDF: 49.5/41

All: -406.285+/-281.944 χ^2/NDF: 90.1/85

\- sign -363.652+/-402.254 χ^2/NDF: 40.6/43

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1023.645+/-0.409 χ^2/NDF: 8467847.9/16

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

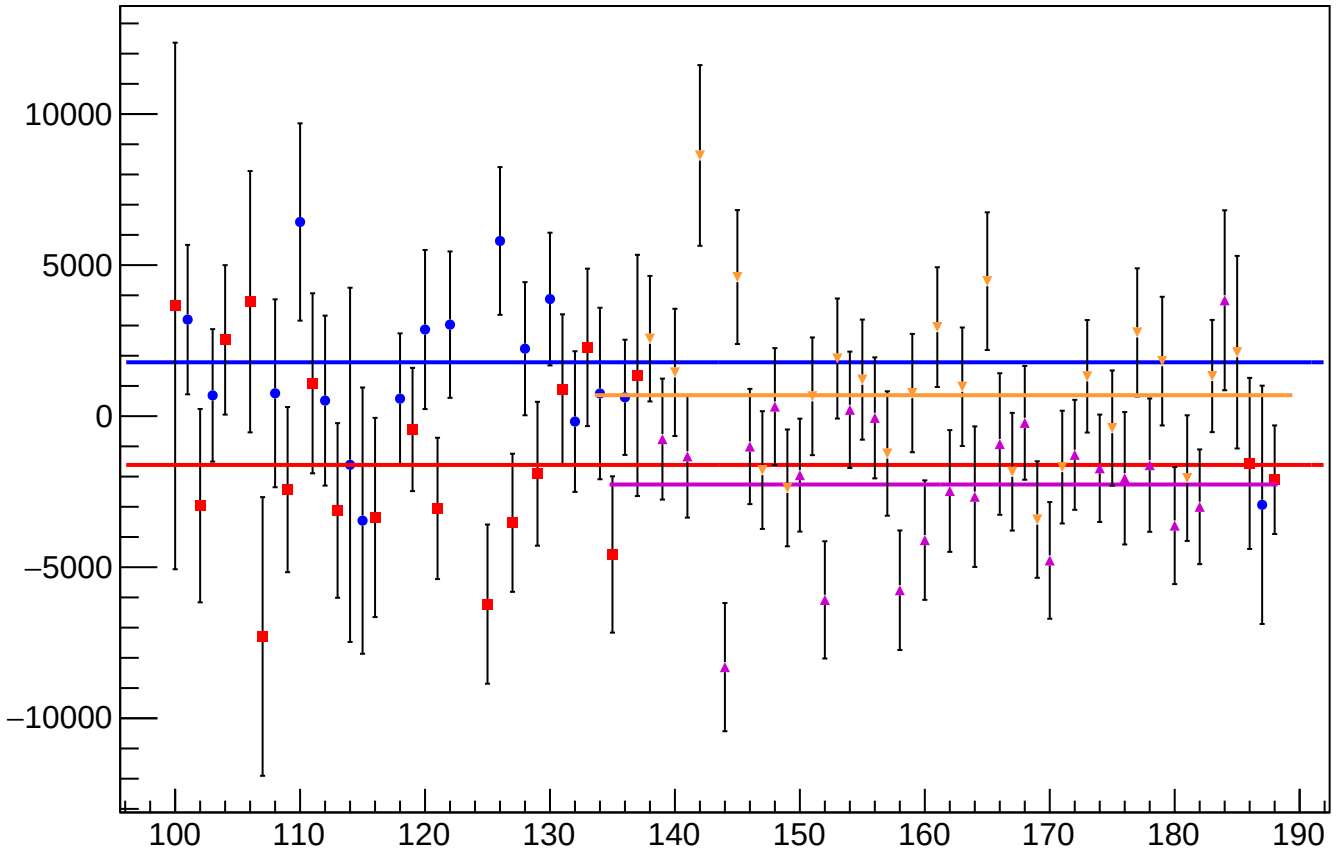
Right Out: 730.528+/-0.303 χ^2/NDF: 10955944.6/20

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1269.470+/-0.280 χ^2/NDF: 32369937.9/41

All: 1247.113+/-0.199 χ^2/NDF: 67048471.7/8

- sign 1223.962+/-0.284 χ^2/NDF: 34665511.6/43



Right In: 1783.361+/-628.307 χ^2/NDF: 11.7/16

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1614.439+/-606.016 χ^2/NDF: 17.5/19

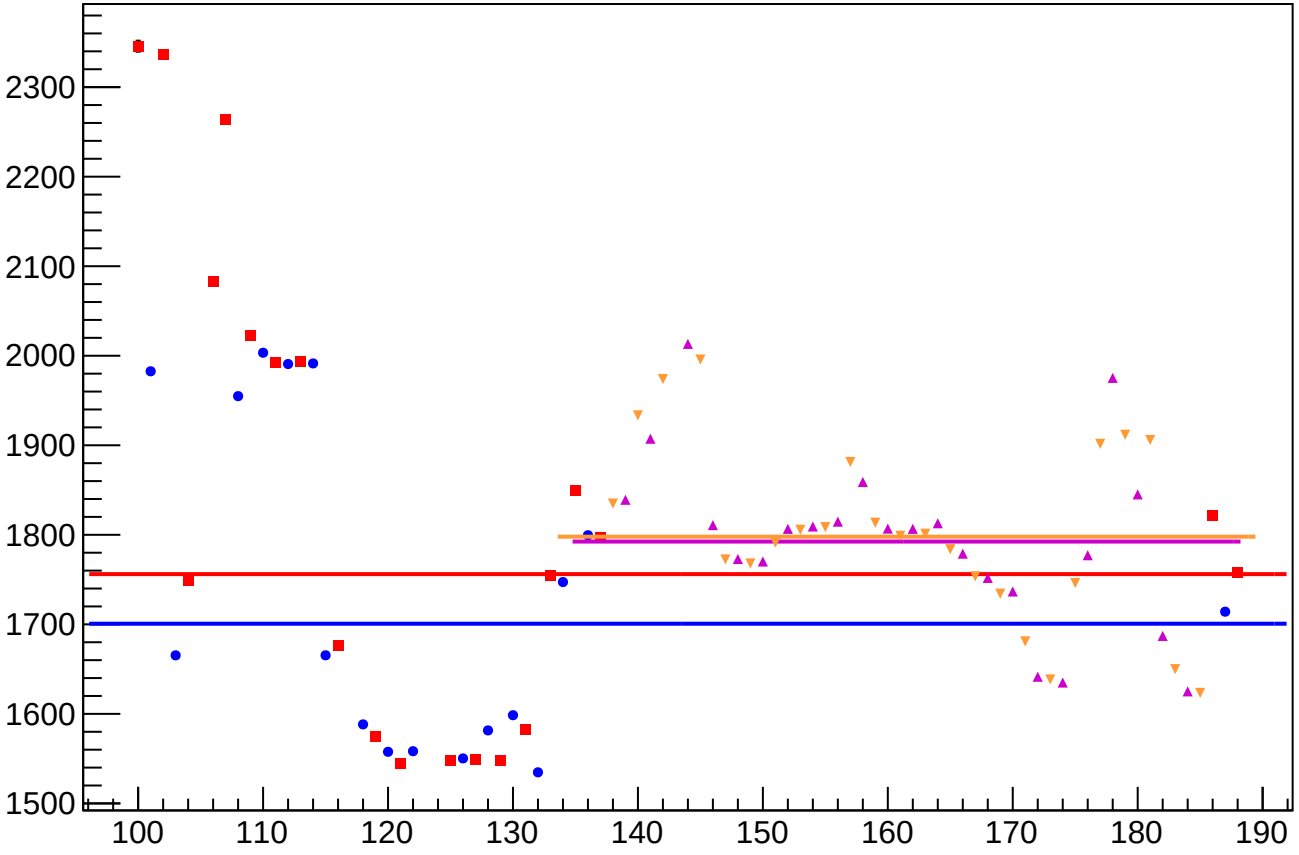
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1028.498+/-348.049 χ^2/NDF: 46.0/40

All: -526.594+/-244.931 χ^2/NDF: 134.3/83

- sign -2052.285+/-344.743 χ^2/NDF: 48.7/42

dit_asym_atl_avg_rms vs Slug



Right In: 1700.707+/-0.444 χ^2/NDF: 135443.0/16

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

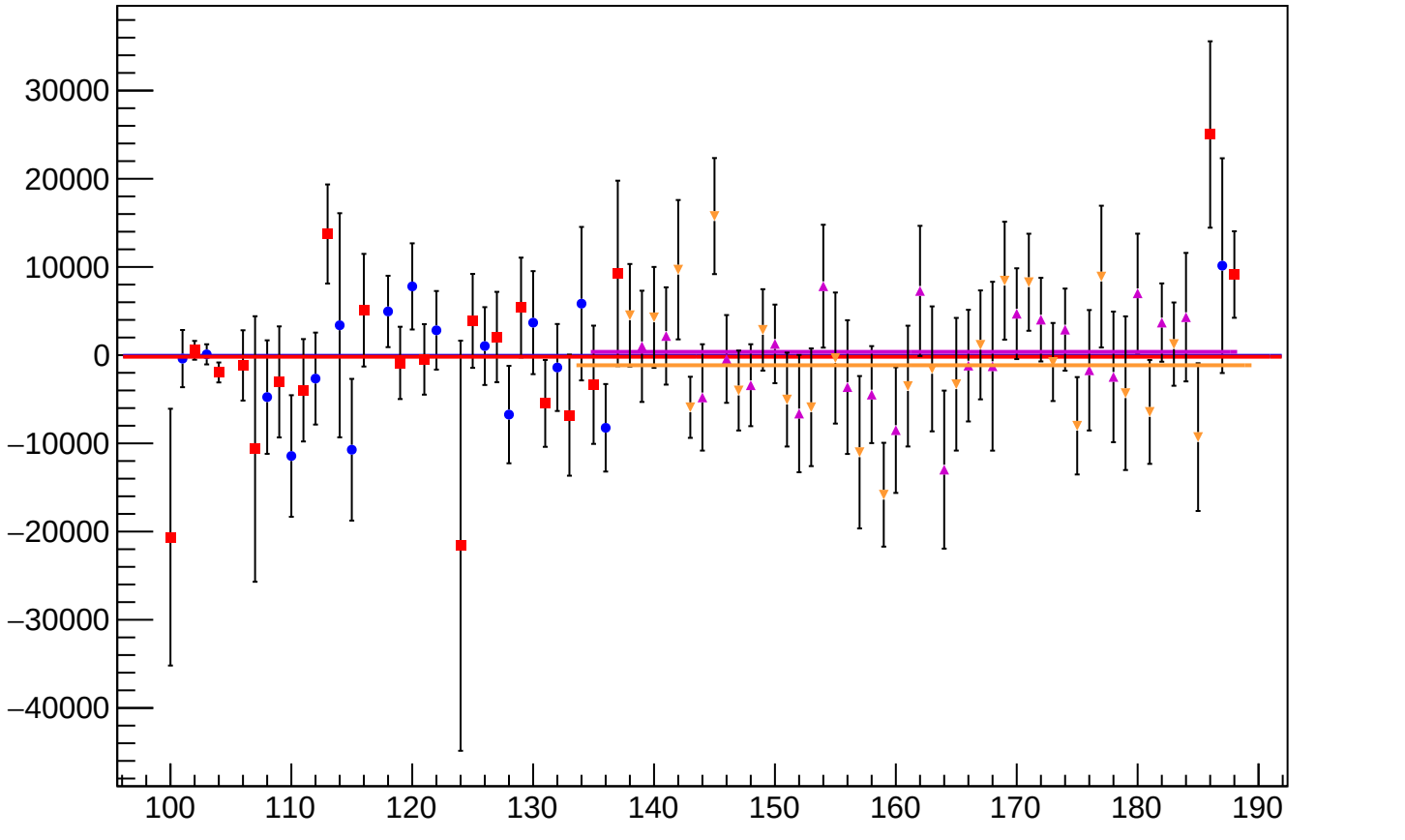
Right Out: 1756.098+/-0.428 χ^2/NDF: 249093.1/19

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1768.082+/-0.246 χ^2/NDF: 266624.3/40

All: 1774.433+/-0.173 χ^2/NDF: 614791.4/83

- sign 1780.656+/-0.244 χ^2/NDF: 346848.7/42



Right In: -73.548+/-865.450 χ^2/NDF: 15.8/16

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -176.677+/-671.380 χ^2/NDF: 28.0/20

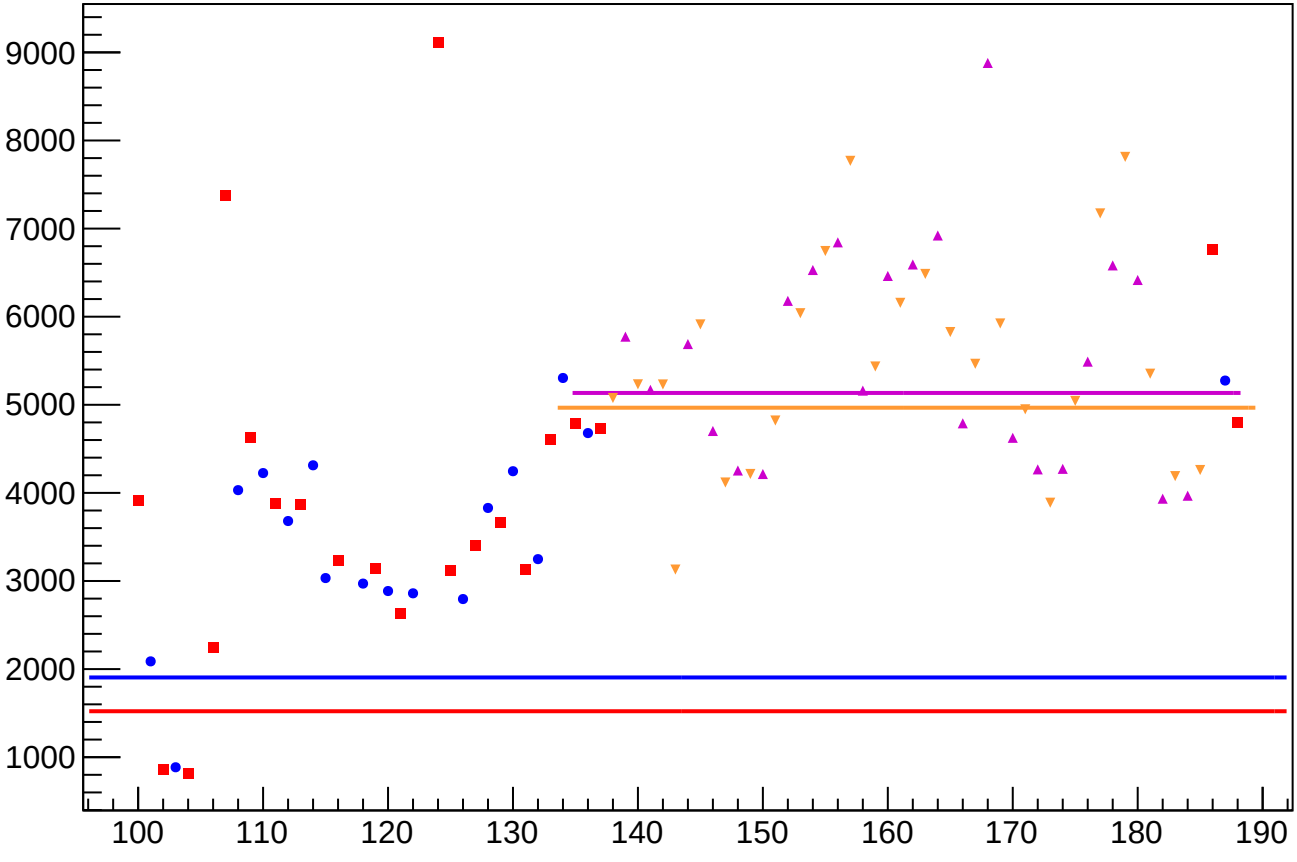
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -454.588+/-694.614 χ^2/NDF: 48.9/41

All: -219.197+/-449.308 χ^2/NDF: 90.5/85

- sign -49.851+/-589.163 χ^2/NDF: 41.4/43

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1905.114+/-0.612 χ^2/NDF: 4579698.3/16

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

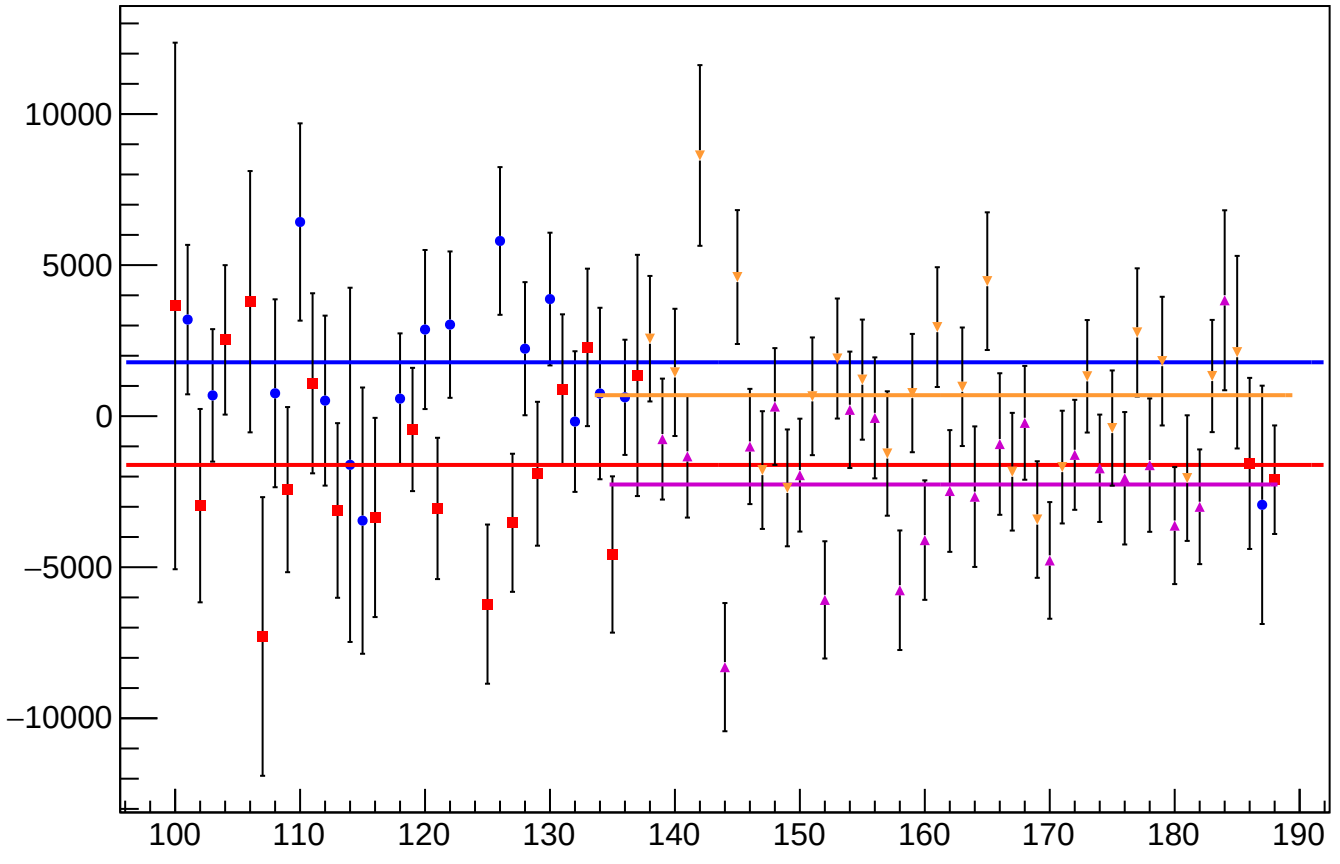
Right Out: 1521.638+/-0.475 χ^2/NDF: 7381844.3/20

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 2994.572+/-0.491 χ^2/NDF: 15404576.0/41

All: 2621.034+/-0.318 χ^2/NDF: 38583651.4/8

- sign 2352.301+/-0.417 χ^2/NDF: 22184591.8/43



Right In: 1783.360+/-628.307 χ^2/NDF: 11.7/16

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1614.439+/-606.016 χ^2/NDF: 17.5/19

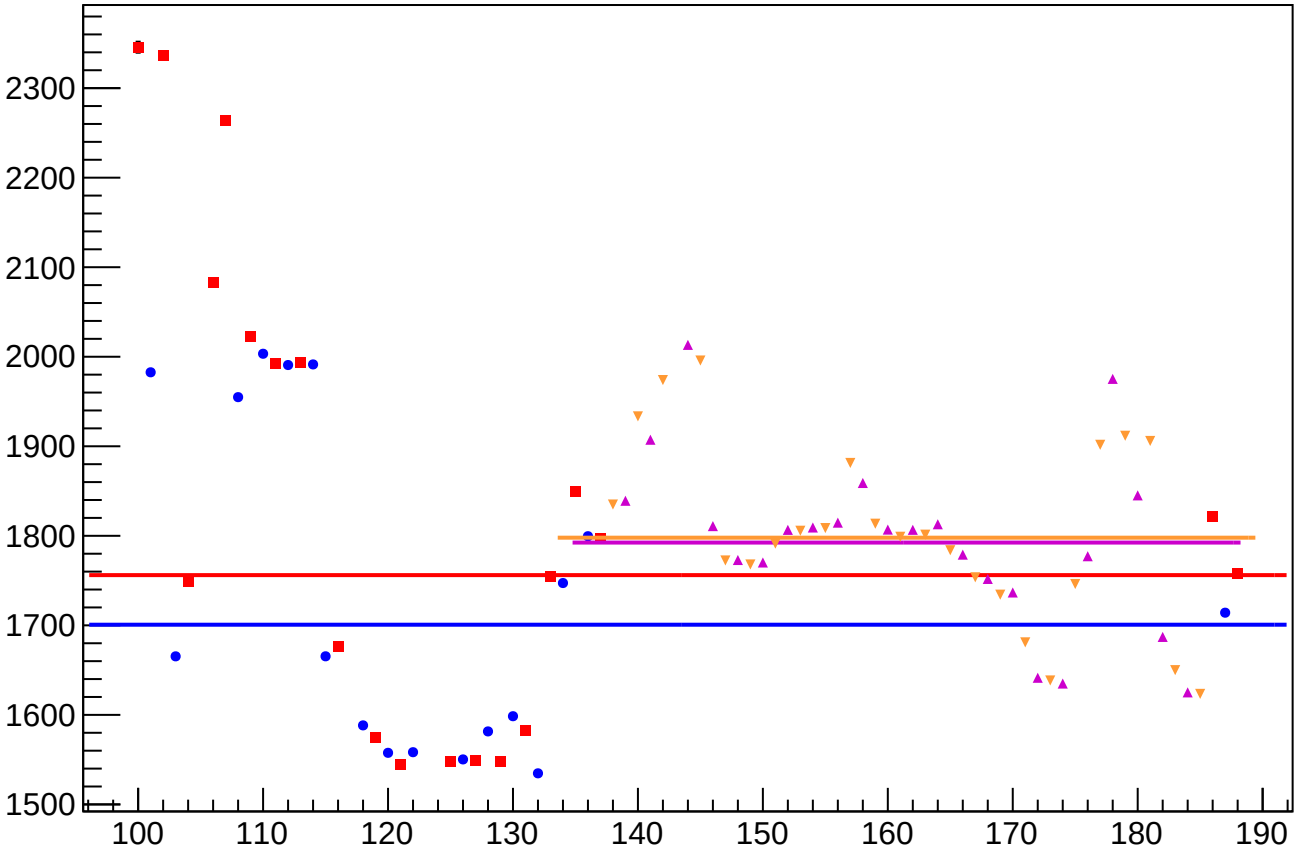
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1028.495+/-348.049 χ^2/NDF: 46.0/40

All: -526.595+/-244.931 χ^2/NDF: 134.3/83

- sign -2052.284+/-344.743 χ^2/NDF: 48.7/42

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.706+/-0.444 χ^2/NDF: 135443.2/16

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

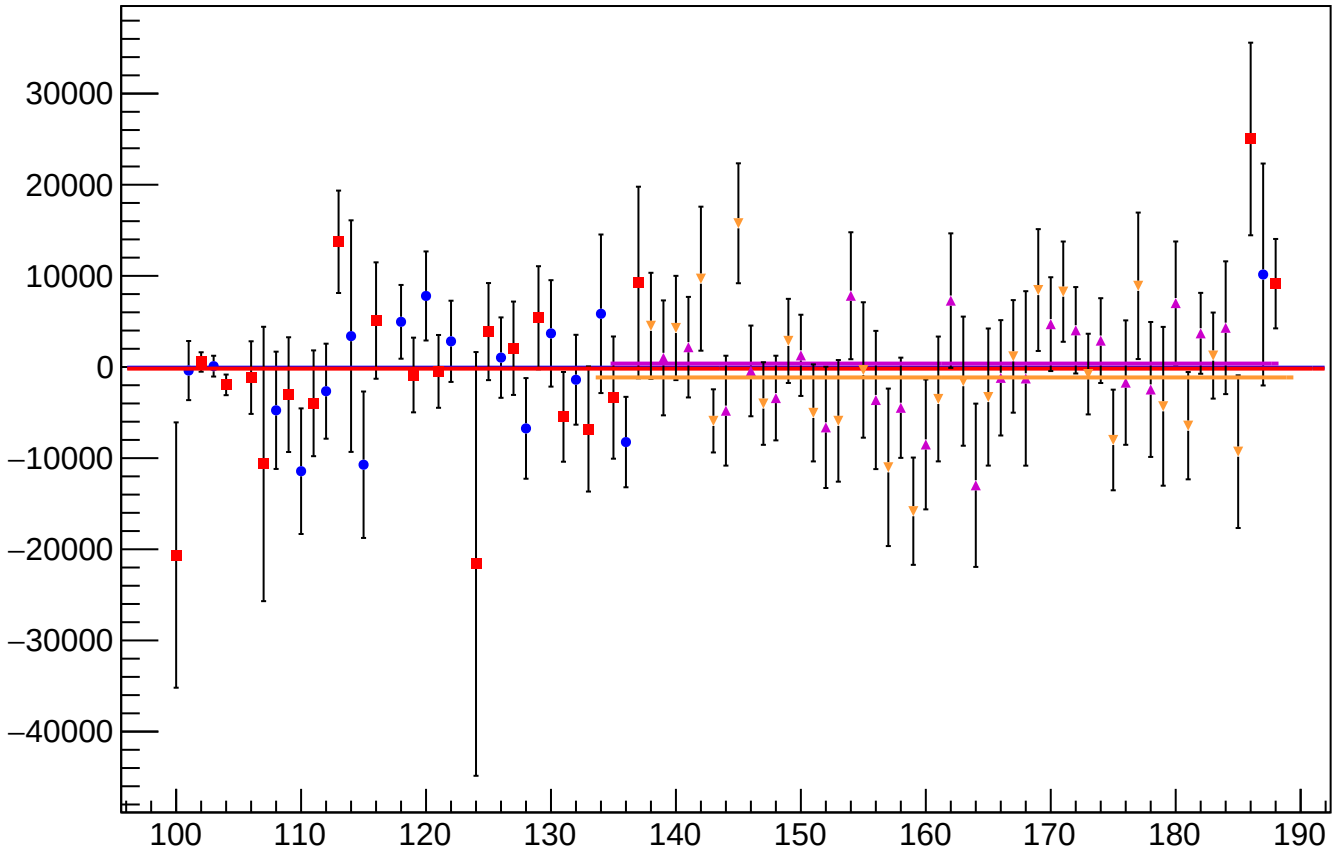
Right Out: 1756.097+/-0.428 χ^2/NDF: 249092.6/19

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1768.083+/-0.246 χ^2/NDF: 266629.0/40

All: 1774.433+/-0.173 χ^2/NDF: 614799.3/83

- sign 1780.656+/-0.244 χ^2/NDF: 346852.0/42



Right In: -73.544+/-865.445 χ^2/NDF: 15.8/16

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -176.680+/-671.375 χ^2/NDF: 28.0/20

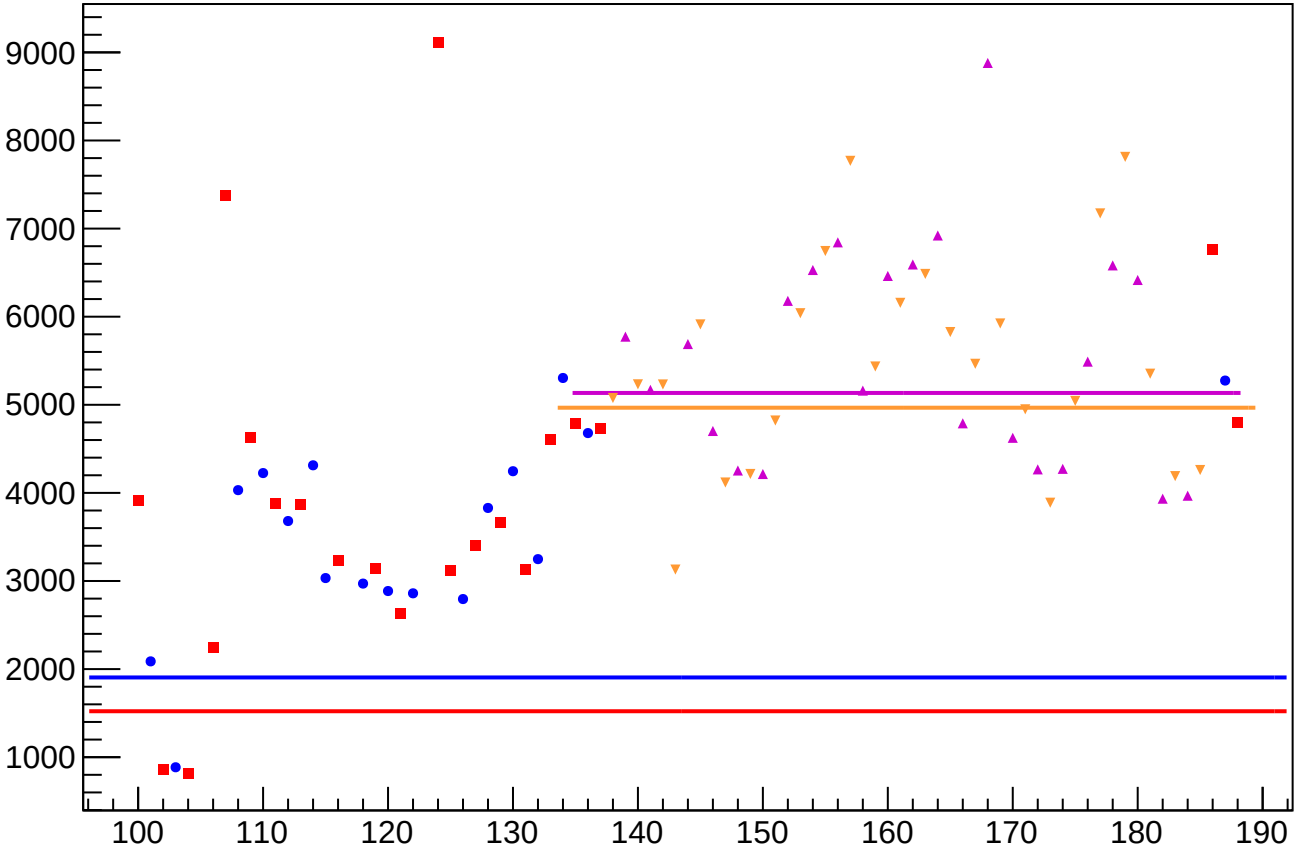
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -454.583+/-694.611 χ^2/NDF: 48.9/41

All: -219.197+/-449.306 χ^2/NDF: 90.5/85

- sign -49.855+/-589.160 χ^2/NDF: 41.4/43

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1905.097+/-0.612 χ^2/NDF: 4579737.2/16

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

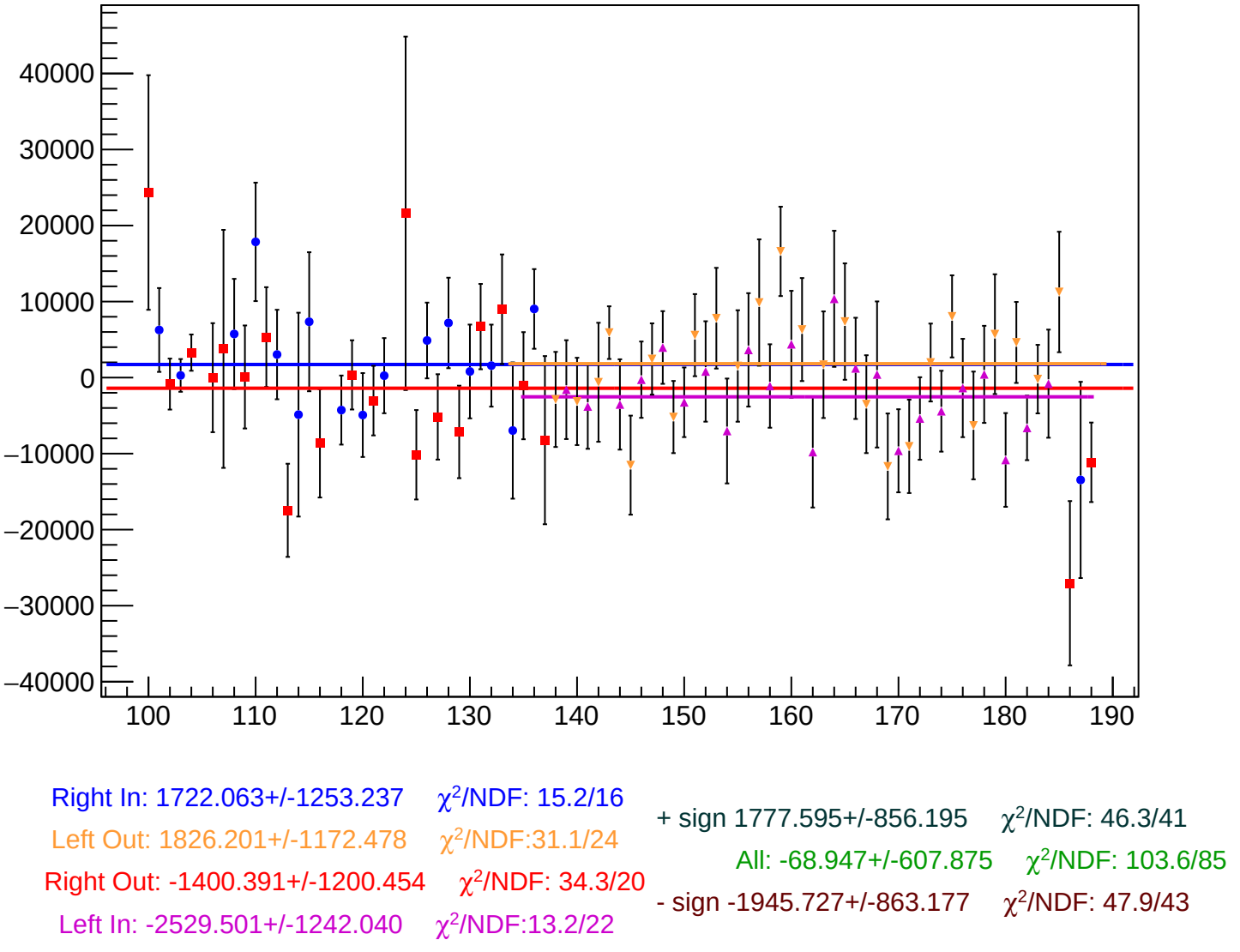
Right Out: 1521.624+/-0.475 χ^2/NDF: 7381890.1/20

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

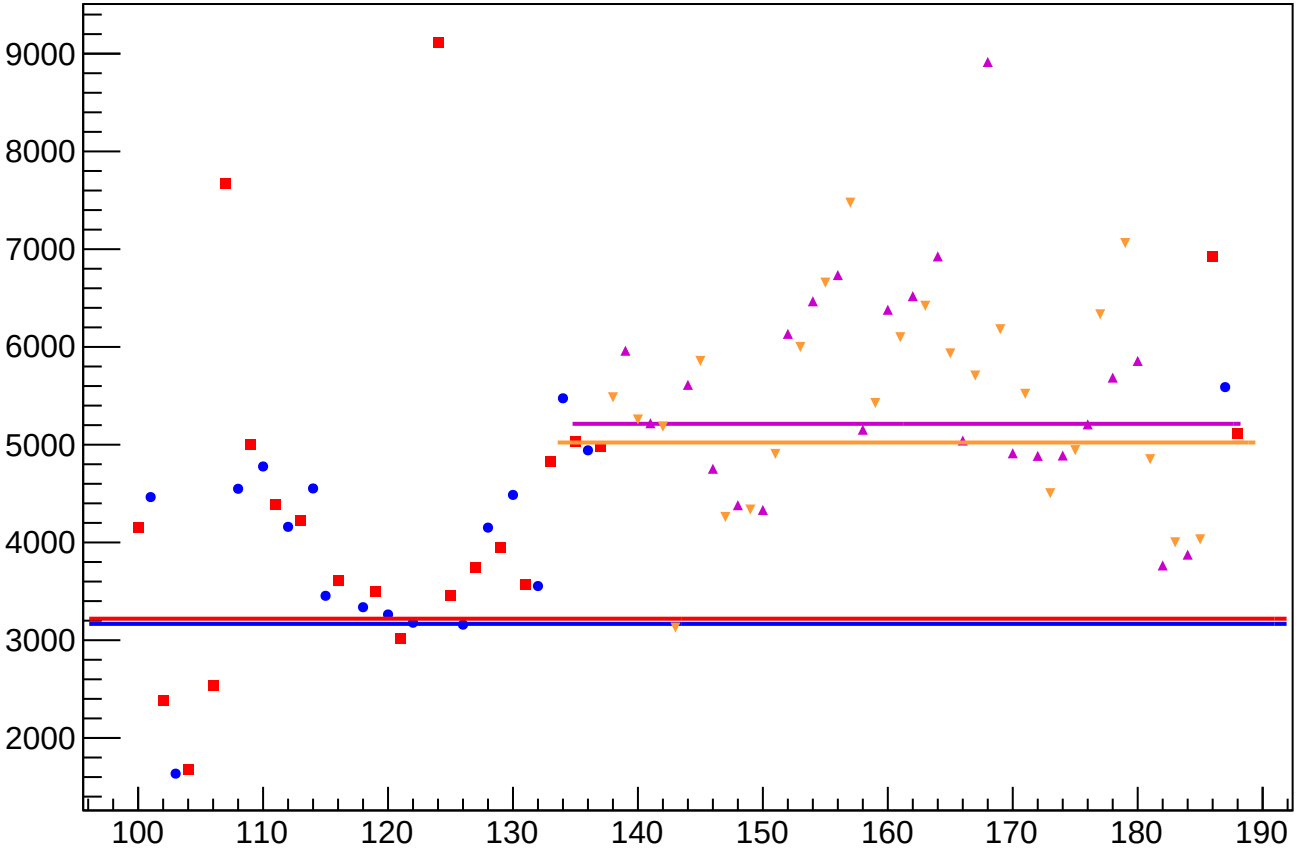
+ sign 2994.553+/-0.491 χ^2/NDF: 15404783.6/41

All: 2621.013+/-0.318 χ^2/NDF: 38584098.3/8

- sign 2352.280+/-0.417 χ^2/NDF: 22184818.7/43


asym_atl_avg_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 1722.063+/-1253.237 χ²/NDF: 15.2/16
Left Out: 1826.201+/-1172.478 χ²/NDF:31.1/24
Right Out: -1400.391+/-1200.454 χ²/NDF: 34.3/20
Left In: -2529.501+/-1242.040 χ²/NDF:13.2/22
+ sign 1777.595+/-856.195 χ²/NDF: 46.3/41
All: -68.947+/-607.875 χ²/NDF: 103.6/85
- sign -1945.727+/-863.177 χ²/NDF: 47.9/43

asym_atl_avg_rms vs Slug



Right In: 3167.190+/-0.886 χ^2/NDF: 1954237.8/16

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3220.068+/-0.836 χ^2/NDF: 2410293.3/20

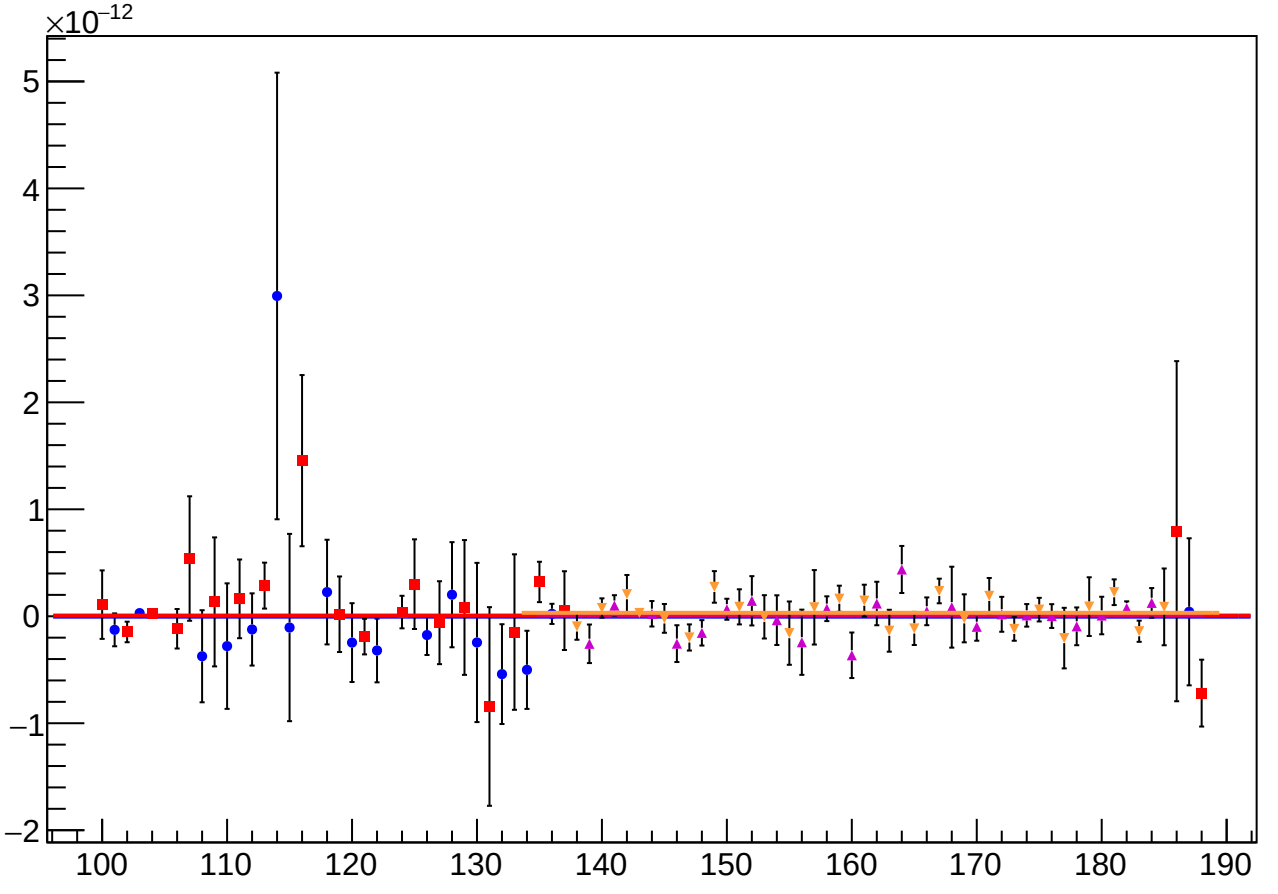
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4156.494+/-0.605 χ^2/NDF: 5968016.9/41

All: 4162.389+/-0.428 χ^2/NDF: 12303432.1/8

- sign 4168.289+/-0.606 χ^2/NDF: 6335225.4/43

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.6/20

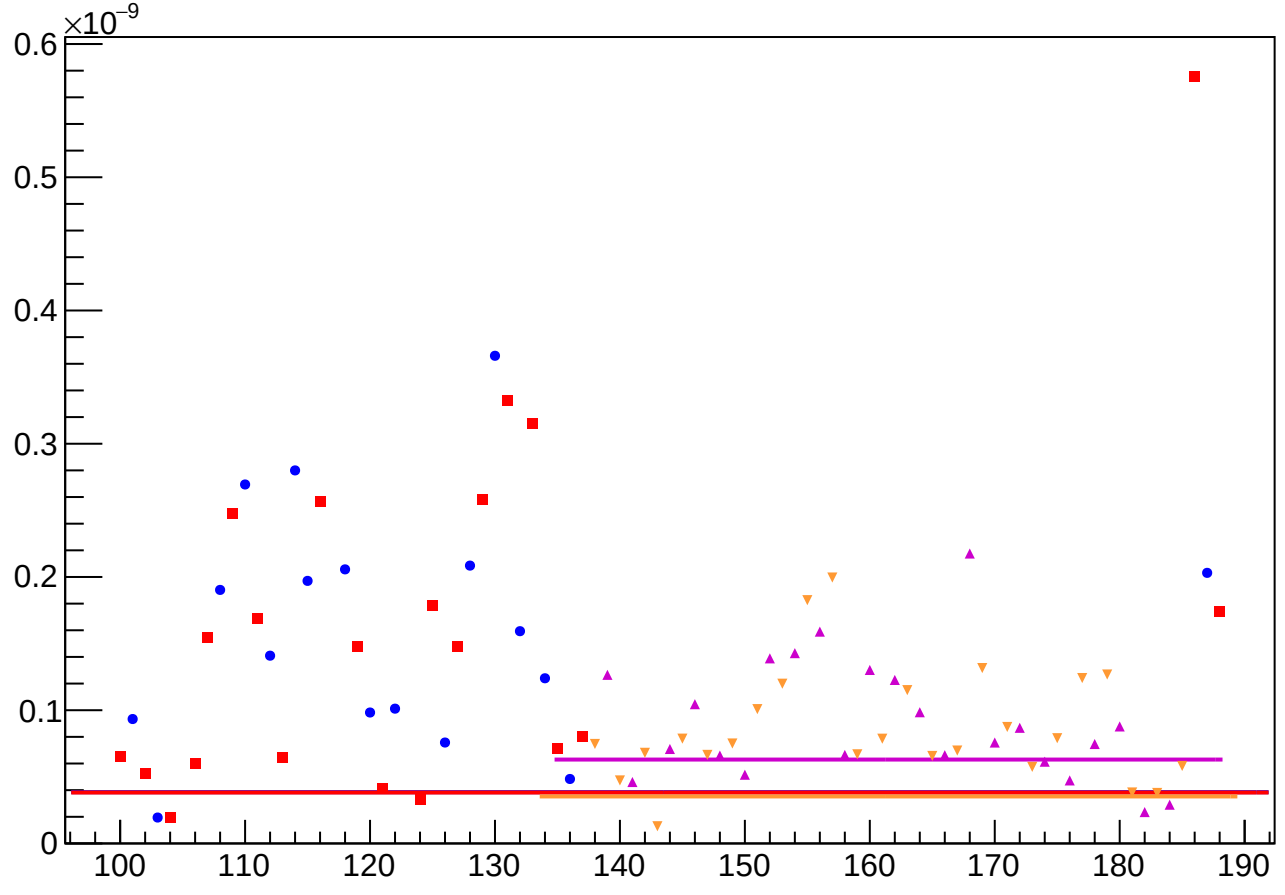
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/41

All: 0.000+/-0.000 χ^2/NDF: 76.5/85

- sign 0.000+/-0.000 χ^2/NDF: 39.8/43

asym_atl_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3003464.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3294520.9/20

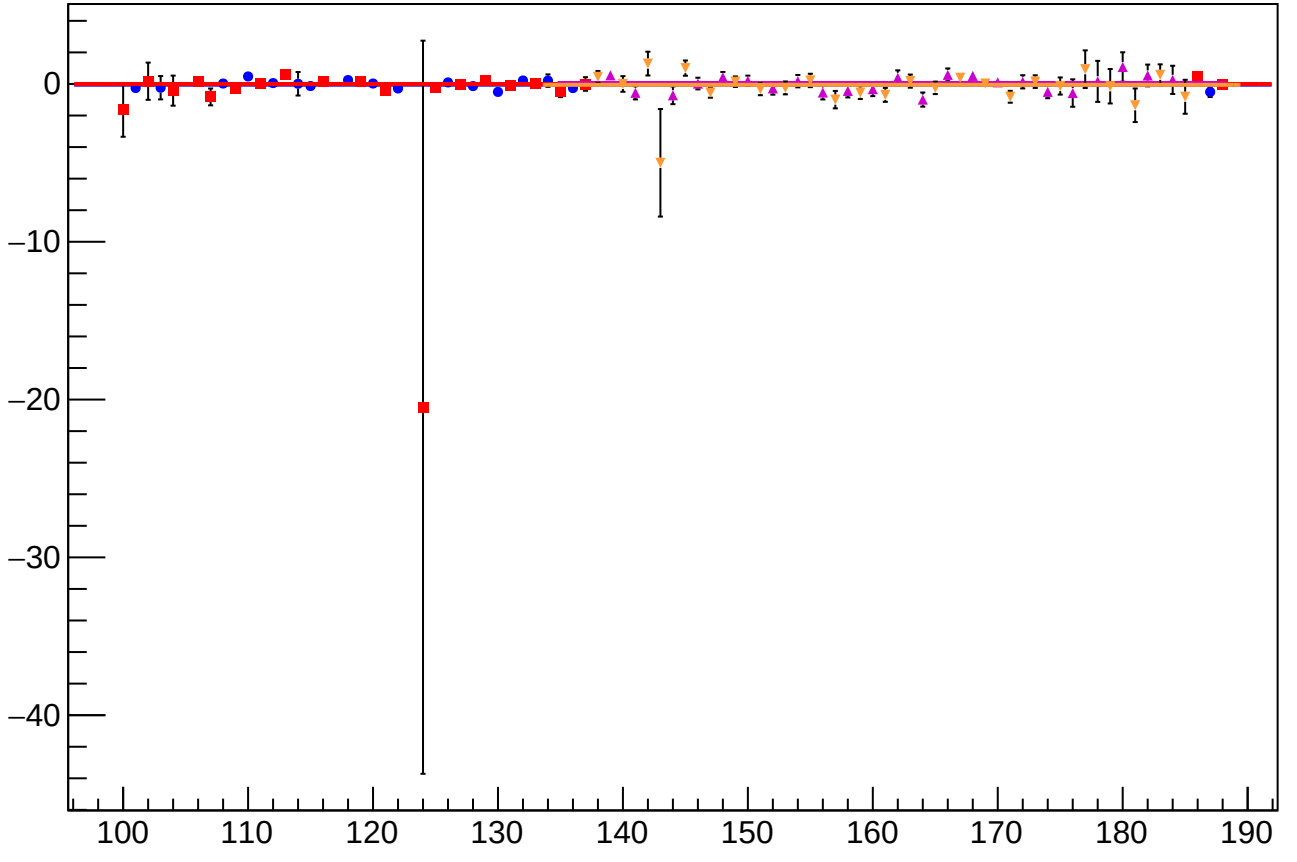
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9528411.5/41

All: 0.000+/-0.000 χ^2/NDF: 17211436.7/85

- sign 0.000+/-0.000 χ^2/NDF: 6904212.6/43

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.001+/-0.048 χ^2/NDF: 26.1/20

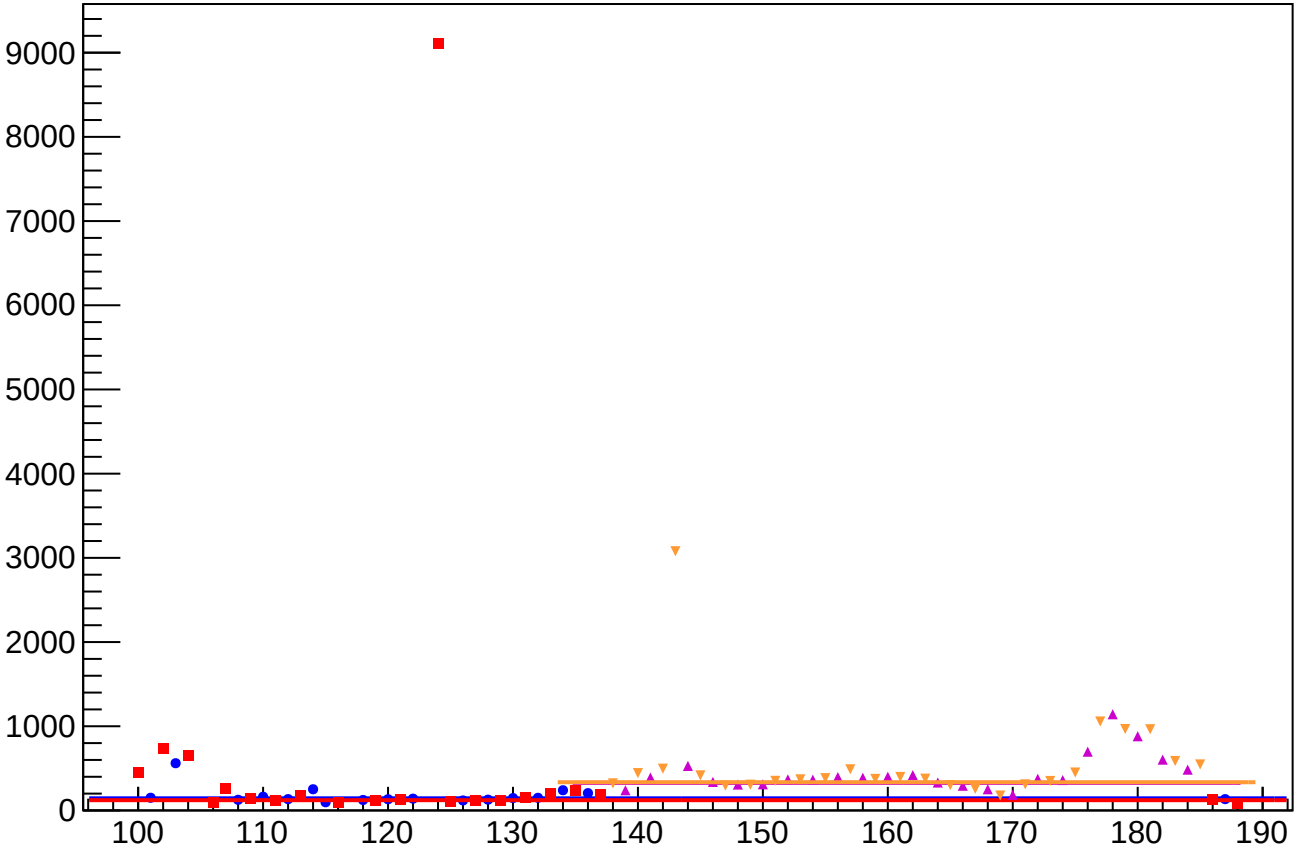
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.047 χ^2/NDF: 52.5/41

All: -0.012+/-0.031 χ^2/NDF: 108.0/85

- sign 0.015+/-0.041 χ^2/NDF: 54.6/43

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 143.985+/-0.040 χ^2/NDF: 1130563.7/16

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 122.103+/-0.034 χ^2/NDF: 2563295.0/20

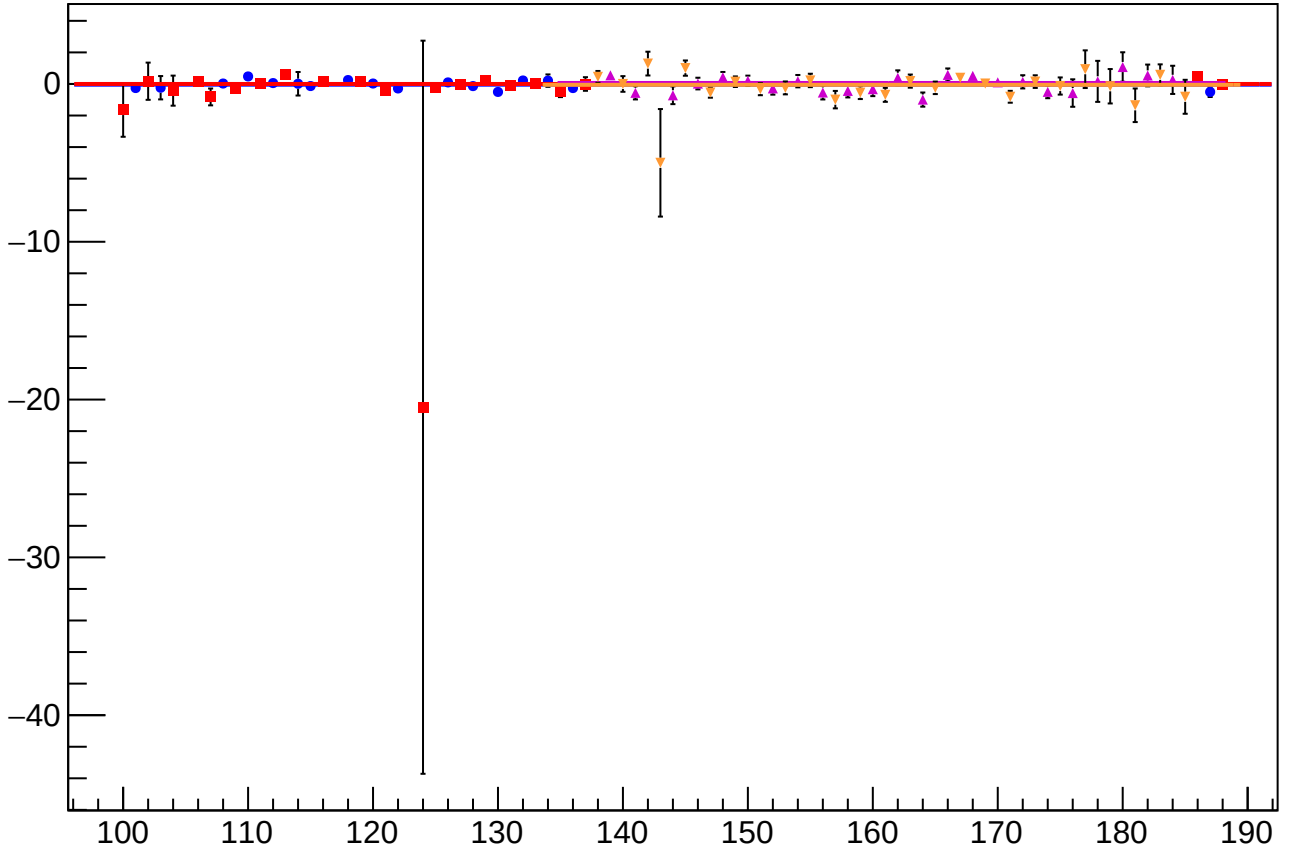
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 203.544+/-0.033 χ^2/NDF: 14012698.1/41

All: 186.350+/-0.022 χ^2/NDF: 30462176.6/85

- sign 173.220+/-0.029 χ^2/NDF: 15981886.9/43

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.001+/-0.048 χ^2/NDF: 26.1/20

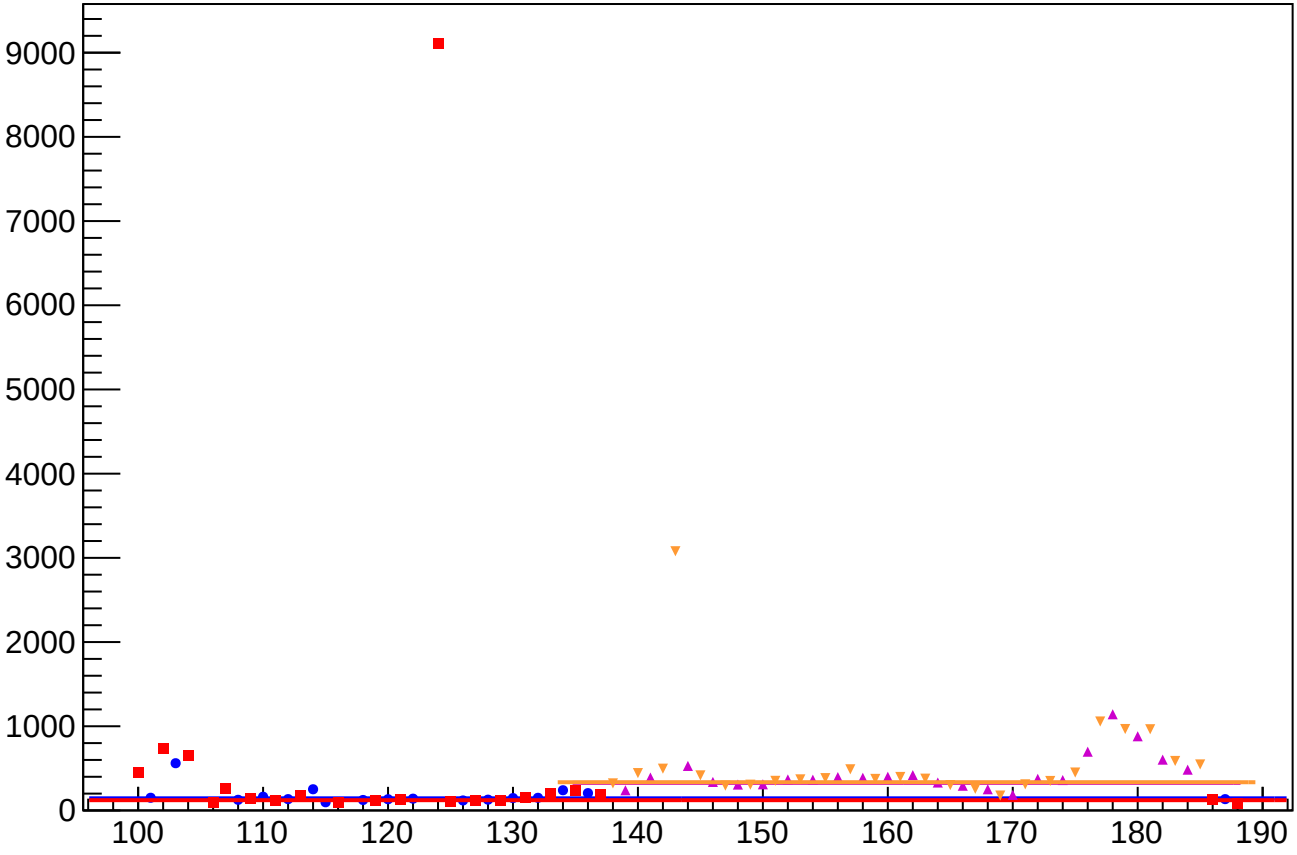
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.047 χ^2/NDF: 52.5/41

All: -0.012+/-0.031 χ^2/NDF: 108.0/85

- sign 0.015+/-0.041 χ^2/NDF: 54.6/43

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 143.985+/-0.040 χ^2/NDF: 1130563.7/16

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

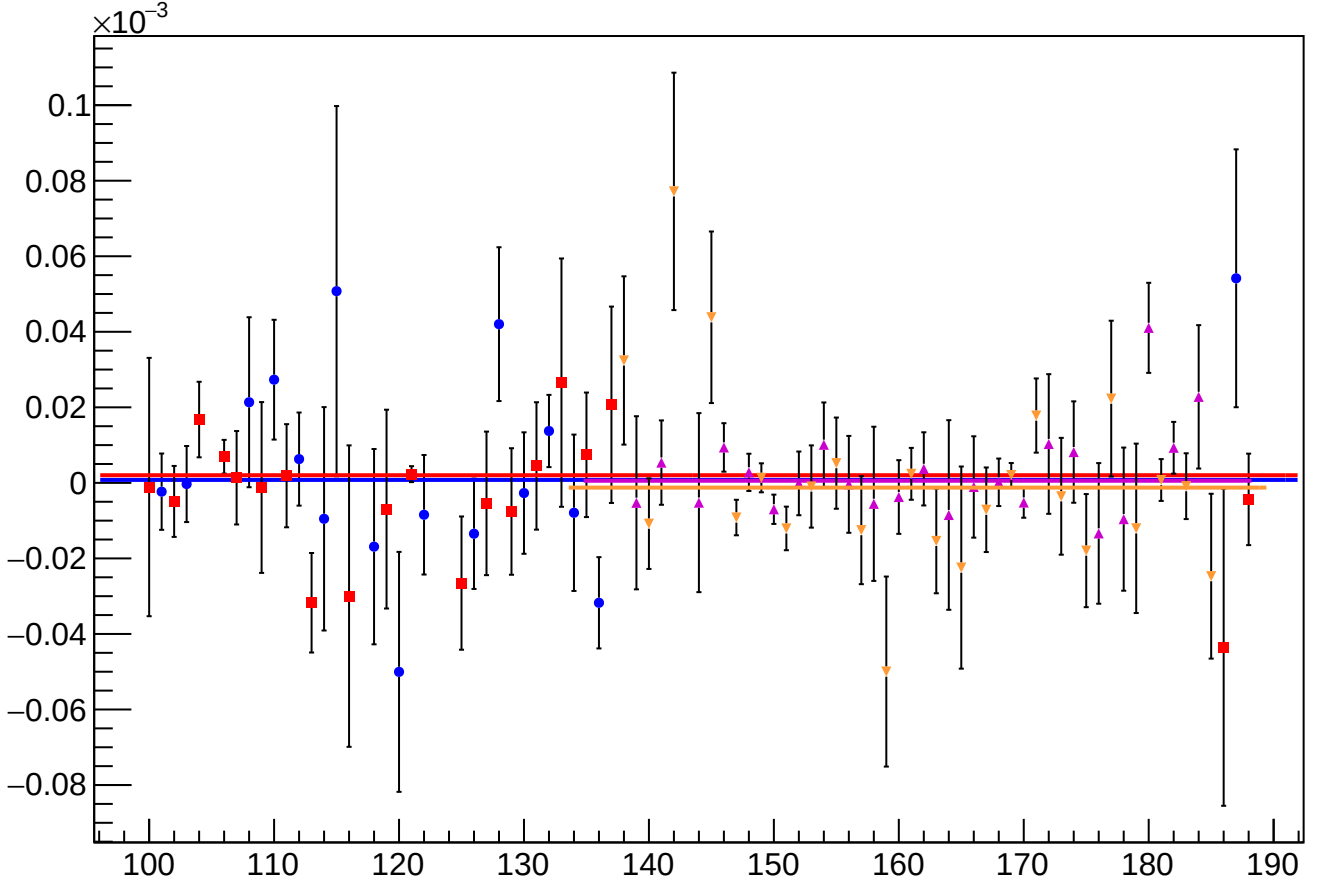
Right Out: 122.103+/-0.034 χ^2/NDF: 2563295.0/20

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 203.544+/-0.033 χ^2/NDF: 14012698.1/41

All: 186.350+/-0.022 χ^2/NDF: 30462176.6/85

- sign 173.220+/-0.029 χ^2/NDF: 15981886.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 25.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

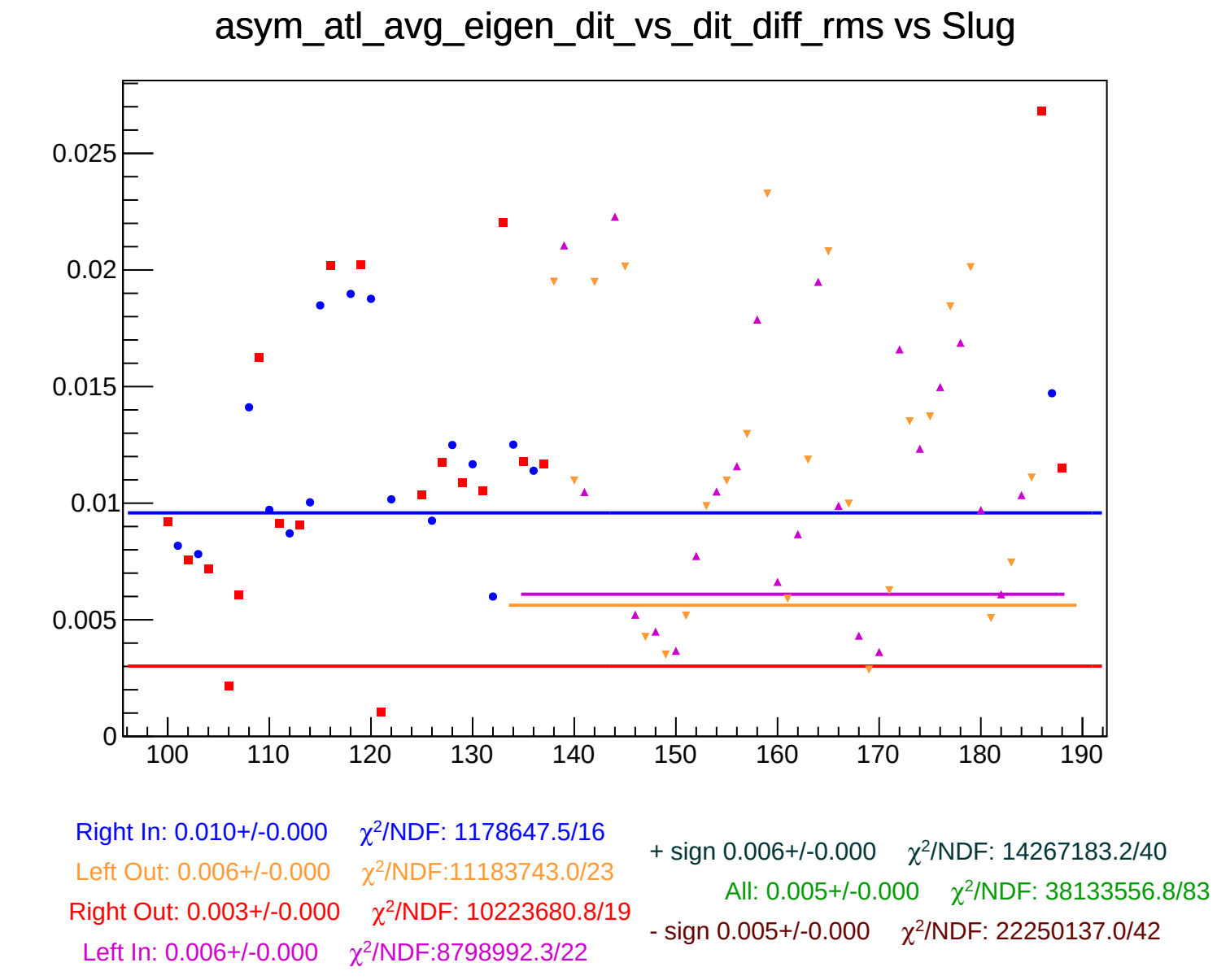
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/19

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

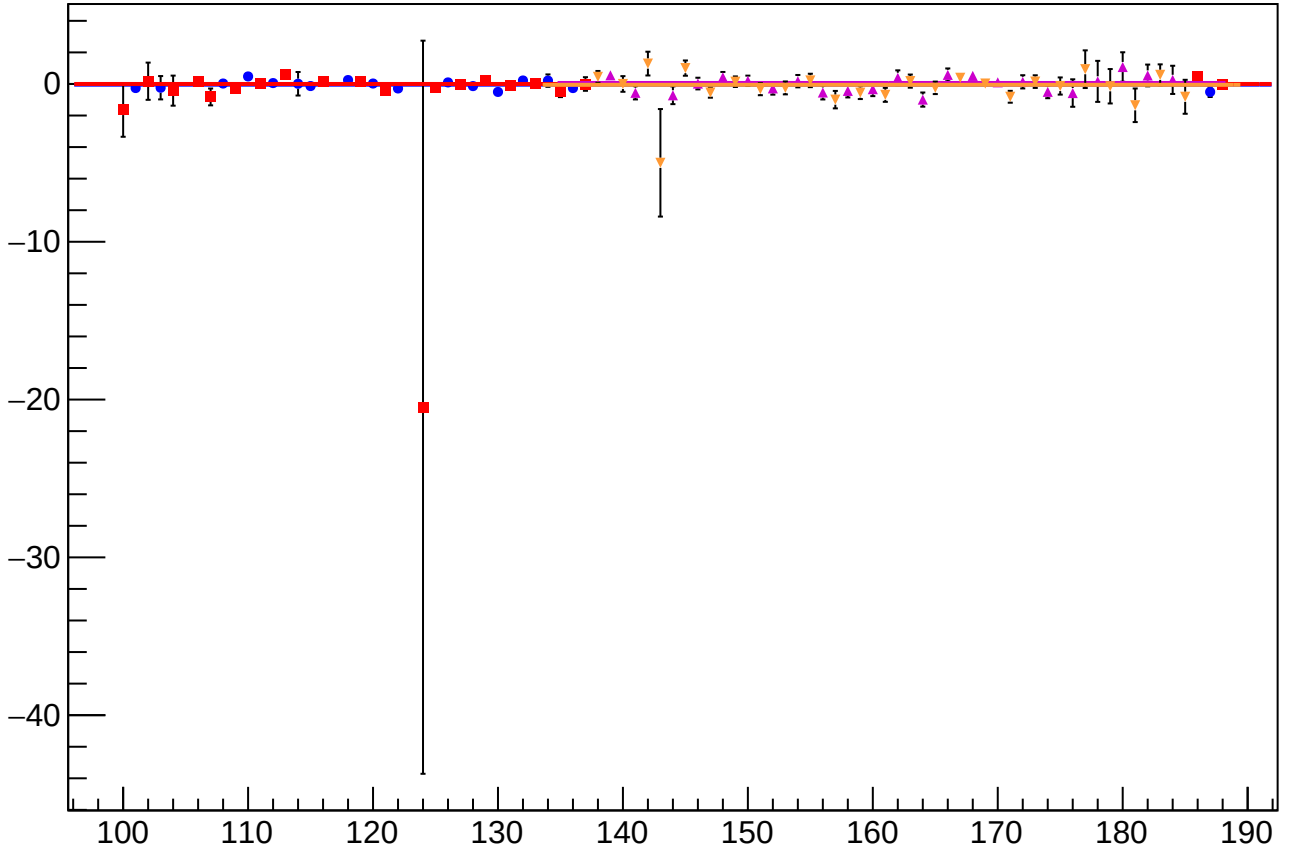
+ sign -0.000+/-0.000 χ^2/NDF: 61.2/40

All: 0.000+/-0.000 χ^2/NDF: 105.5/83

- sign 0.000+/-0.000 χ^2/NDF: 42.9/42


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.010+/-0.000 χ²/NDF: 1178647.5/16
Left Out: 0.006+/-0.000 χ²/NDF:11183743.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 10223680.8/19
Left In: 0.006+/-0.000 χ²/NDF:8798992.3/22
+ sign 0.006+/-0.000 χ²/NDF: 14267183.2/40
All: 0.005+/-0.000 χ²/NDF: 38133556.8/83
- sign 0.005+/-0.000 χ²/NDF: 22250137.0/42

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.001+/-0.048 χ^2/NDF: 26.1/20

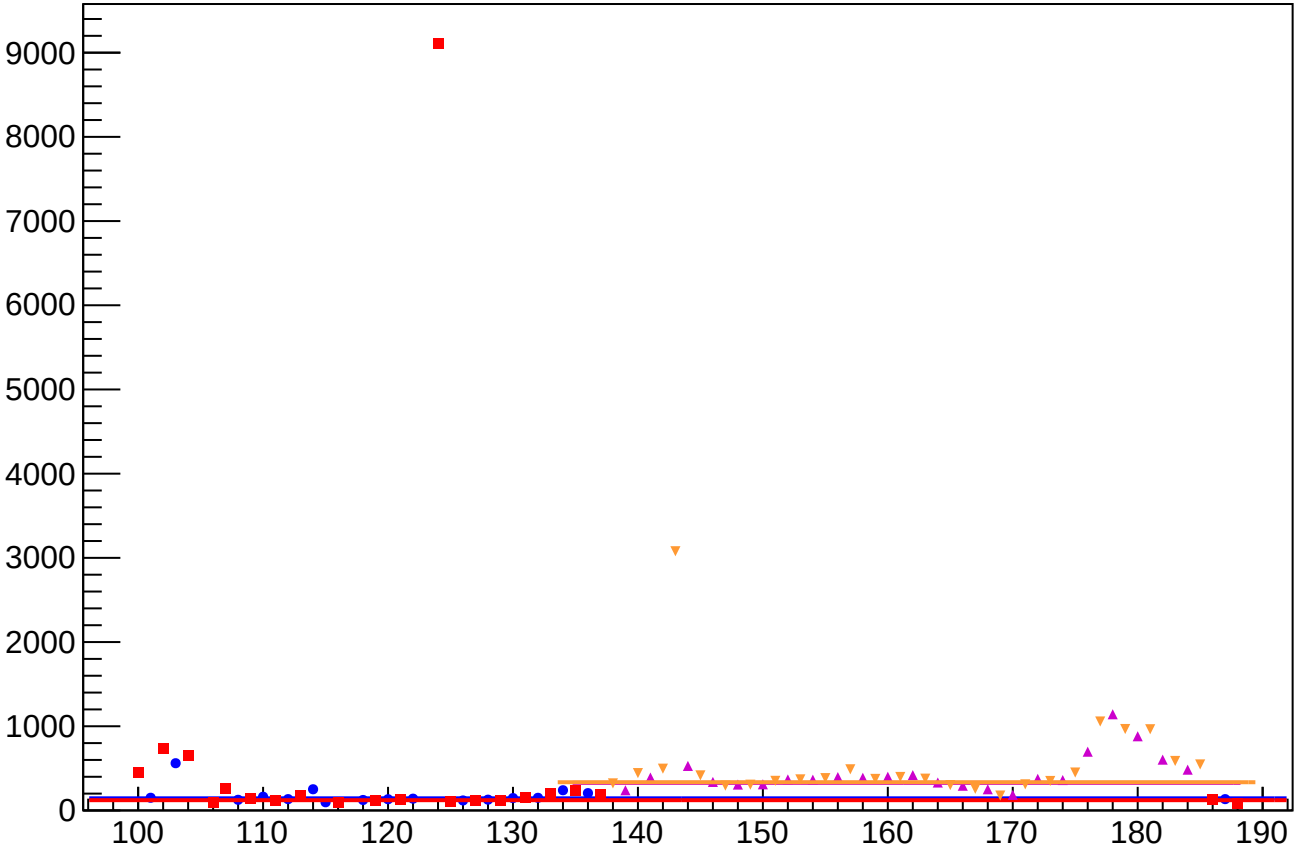
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.047 χ^2/NDF: 52.5/41

All: -0.012+/-0.031 χ^2/NDF: 108.0/85

- sign 0.015+/-0.041 χ^2/NDF: 54.6/43

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 143.984+/-0.040 χ^2/NDF: 1130585.9/16

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

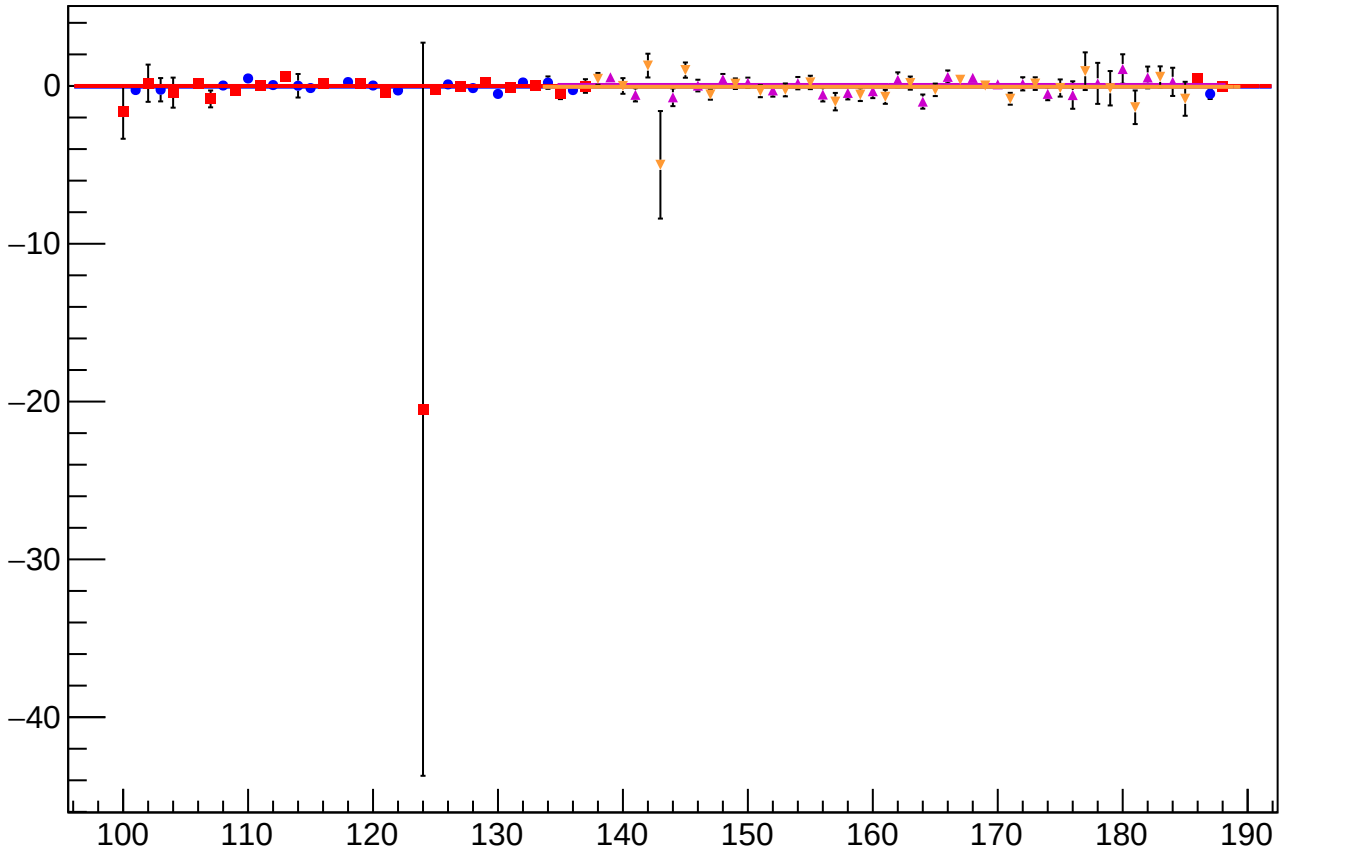
Right Out: 122.098+/-0.034 χ^2/NDF: 2563421.4/20

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 203.543+/-0.033 χ^2/NDF: 14012993.6/41

All: 186.346+/-0.022 χ^2/NDF: 30463475.2/85

- sign 173.214+/-0.029 χ^2/NDF: 15982735.8/43



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

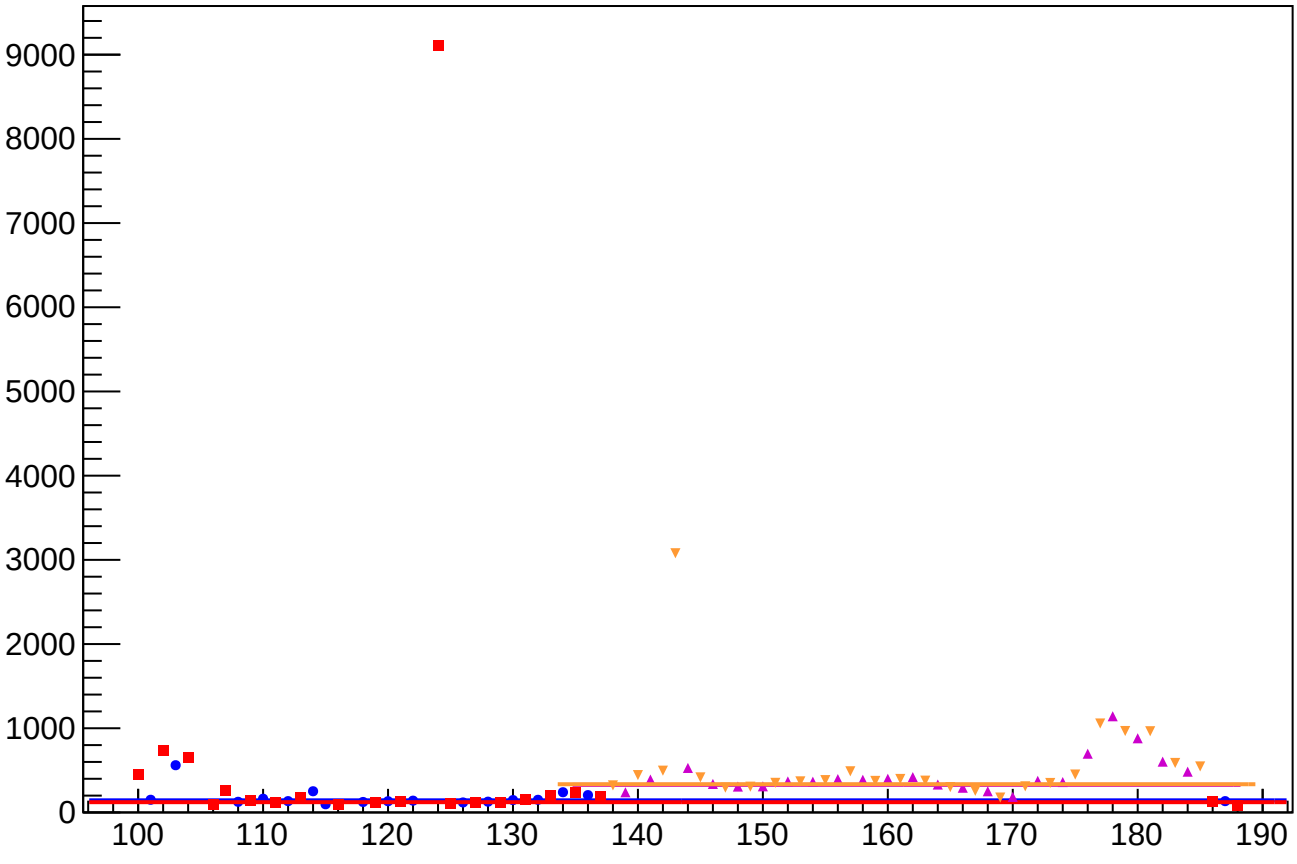
Right Out: -0.001+/-0.048 χ^2/NDF: 26.1/20

Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.047 χ^2/NDF: 52.5/41

All: -0.012+/-0.031 χ^2/NDF: 108.0/85

- sign 0.015+/-0.041 χ^2/NDF: 54.6/43



Right In: 143.984+/-0.040 χ^2/NDF: 1130585.9/16

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

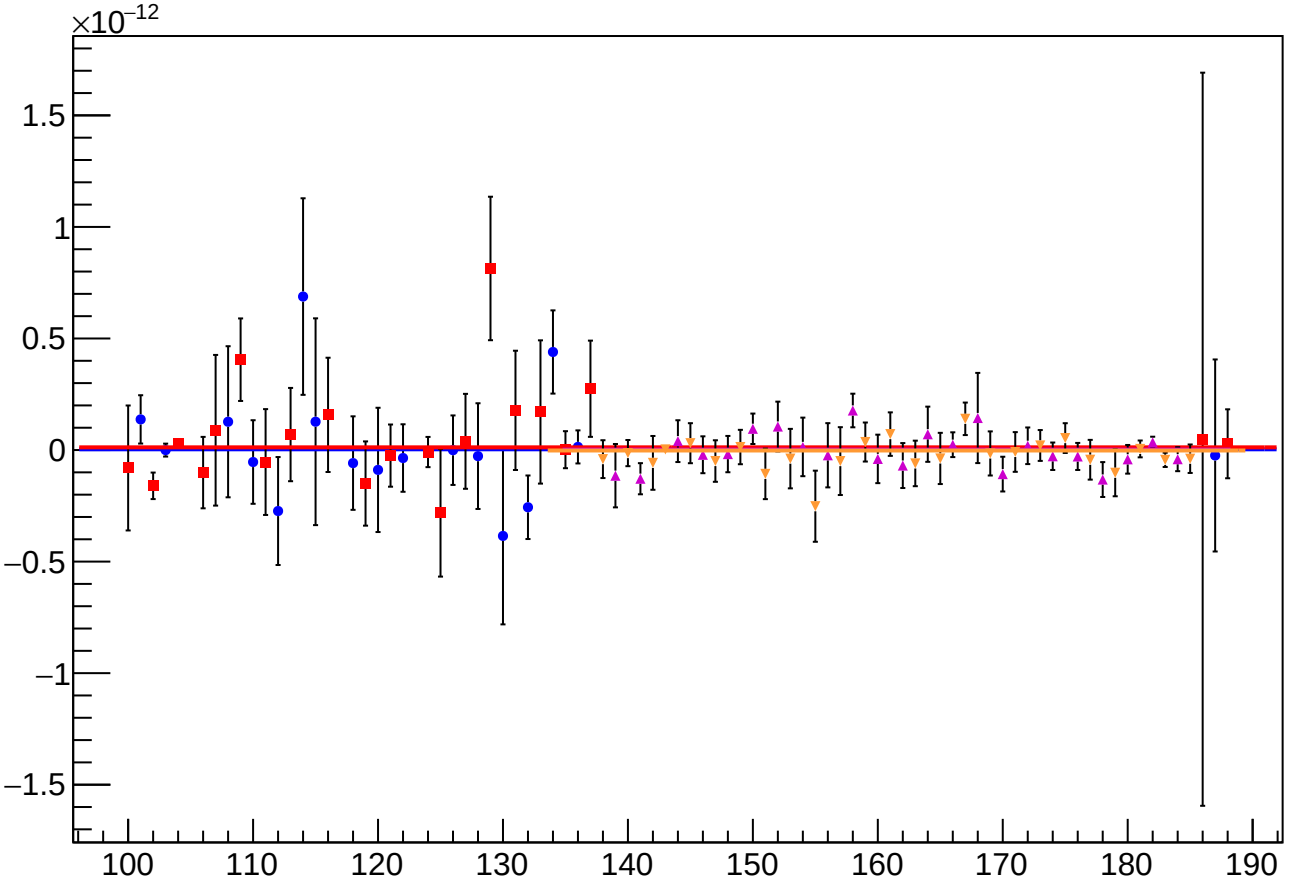
Right Out: 122.098+/-0.034 χ^2/NDF: 2563421.4/20

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 203.543+/-0.033 χ^2/NDF: 14012993.6/41

All: 186.346+/-0.022 χ^2/NDF: 30463475.2/85

- sign 173.214+/-0.029 χ^2/NDF: 15982735.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

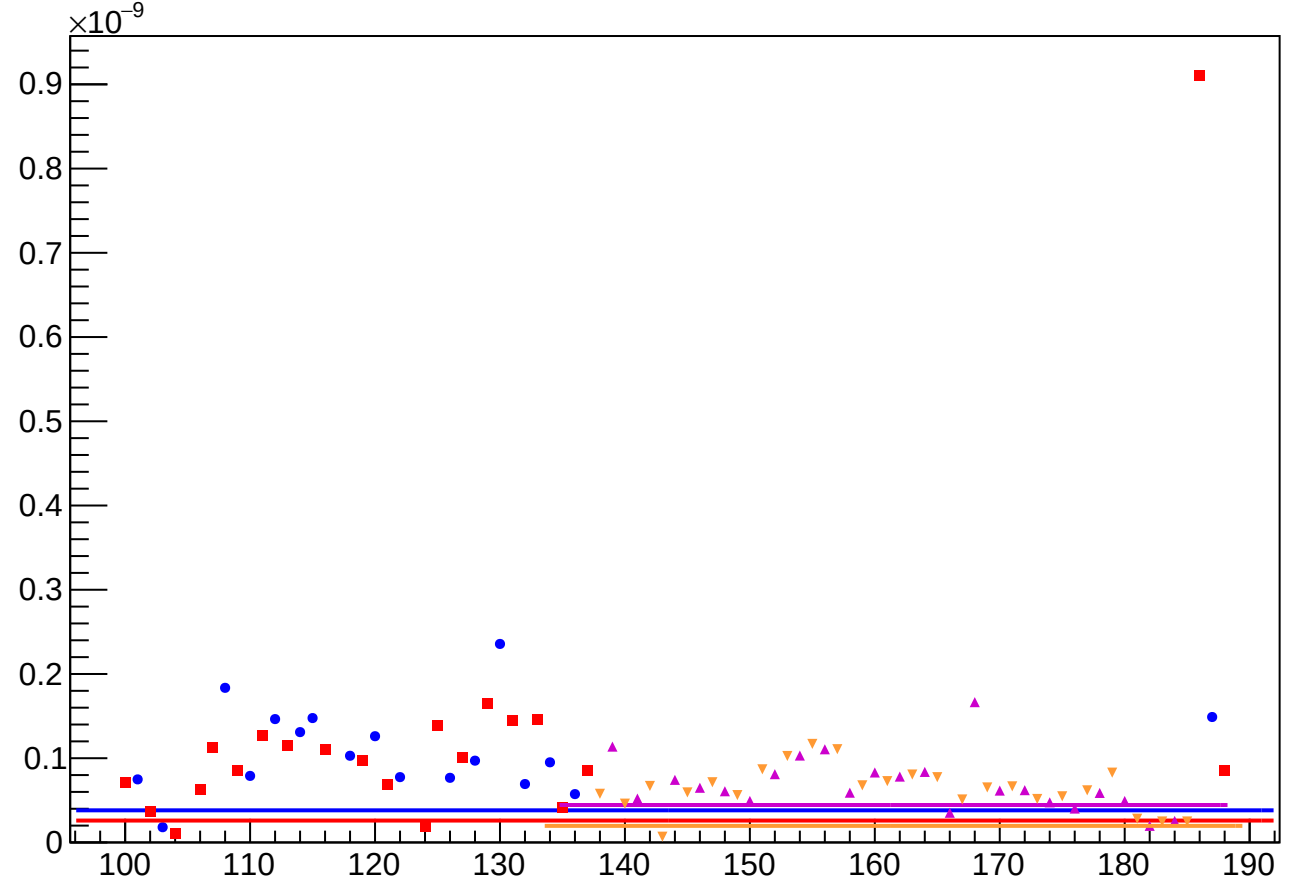
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/20

Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.3/41

All: 0.000+/-0.000 χ^2/NDF: 77.4/85

- sign 0.000+/-0.000 χ^2/NDF: 47.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 4075607.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5578289.8/20

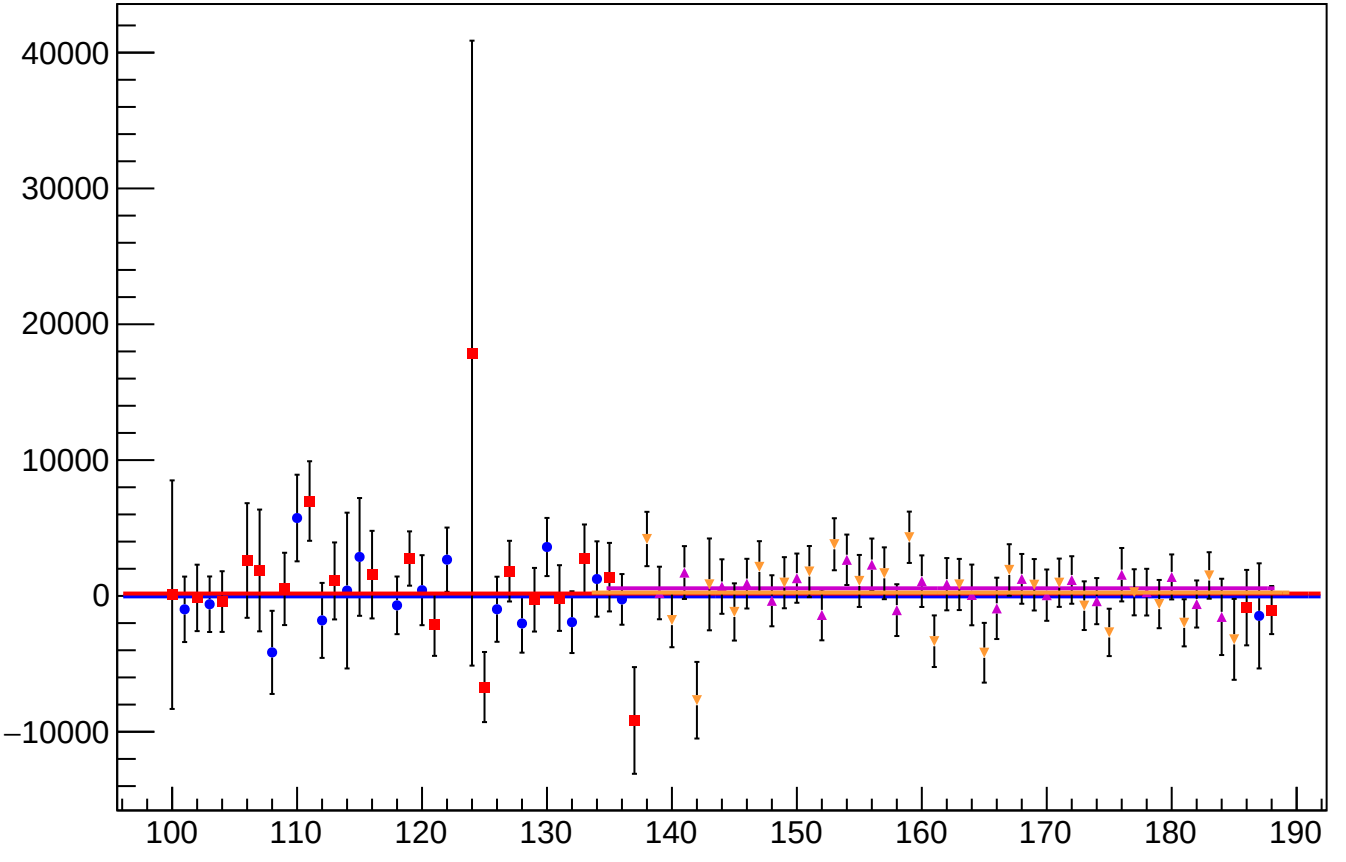
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 20028035.5/41

All: 0.000+/-0.000 χ^2/NDF: 35491124.5/85

- sign 0.000+/-0.000 χ^2/NDF: 12762661.5/43

reg_asym_atl_dd_mean vs Slug



Right In: -32.486+/-612.103 χ^2/NDF: 12.6/16

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 174.936+/-583.272 χ^2/NDF: 24.8/20

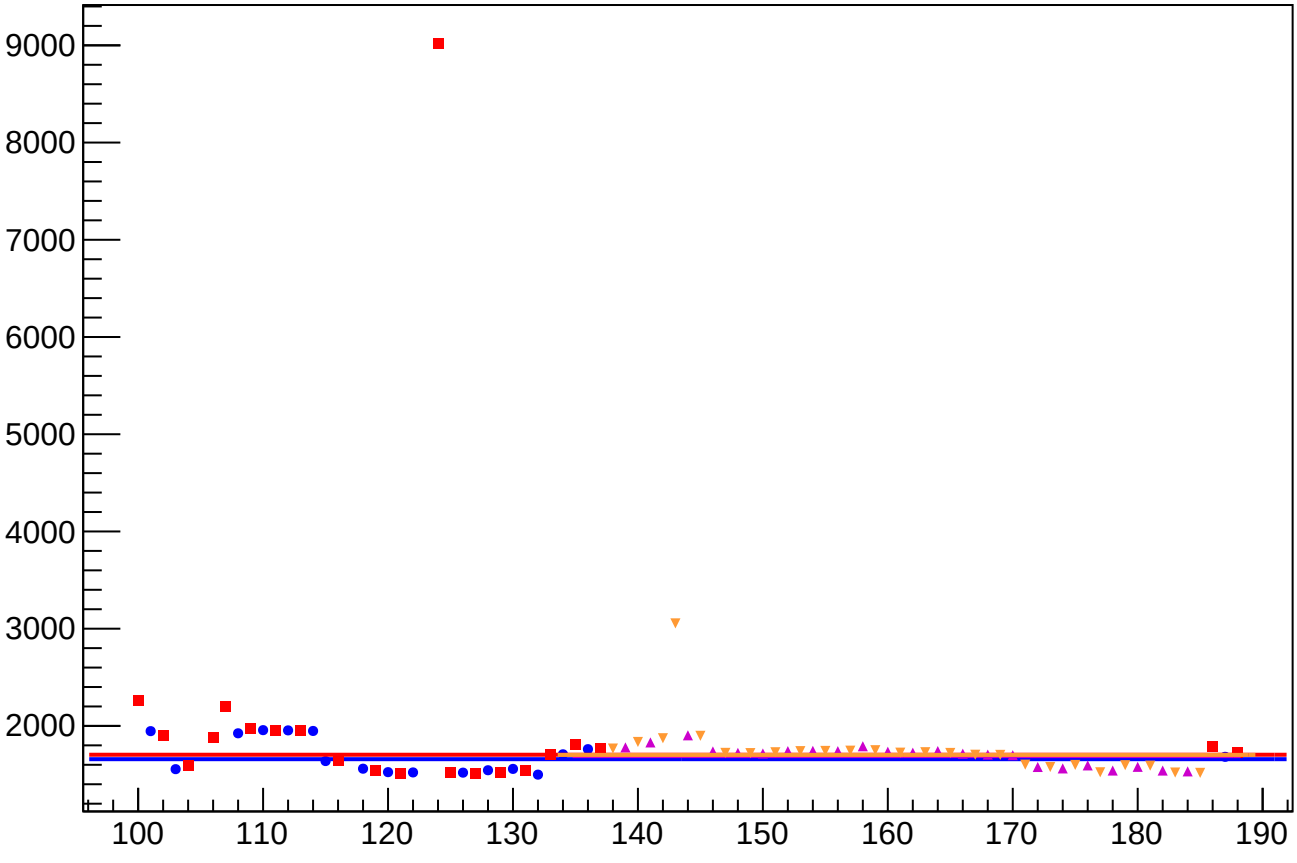
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

\+ sign 167.525+/-328.207 χ^2/NDF: 52.3/41

All: 303.650+/-231.693 χ^2/NDF: 85.2/85

\- sign 438.878+/-327.123 χ^2/NDF: 32.6/43

reg_asym_atl_dd_rms vs Slug



Right In: 1657.742+/-0.433 χ^2/NDF: 144063.2/16

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

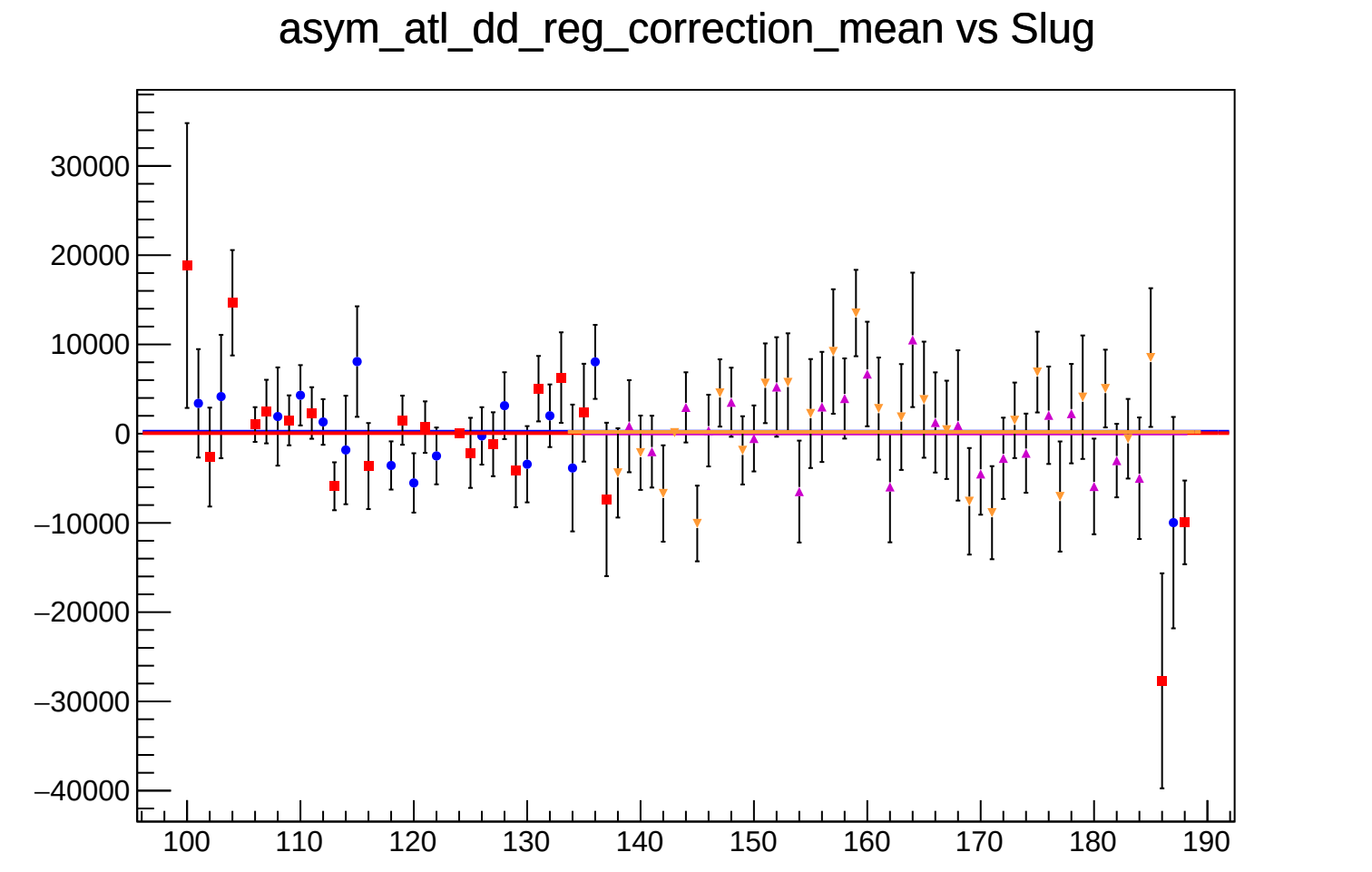
Right Out: 1703.504+/-0.411 χ^2/NDF: 388816.2/20

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

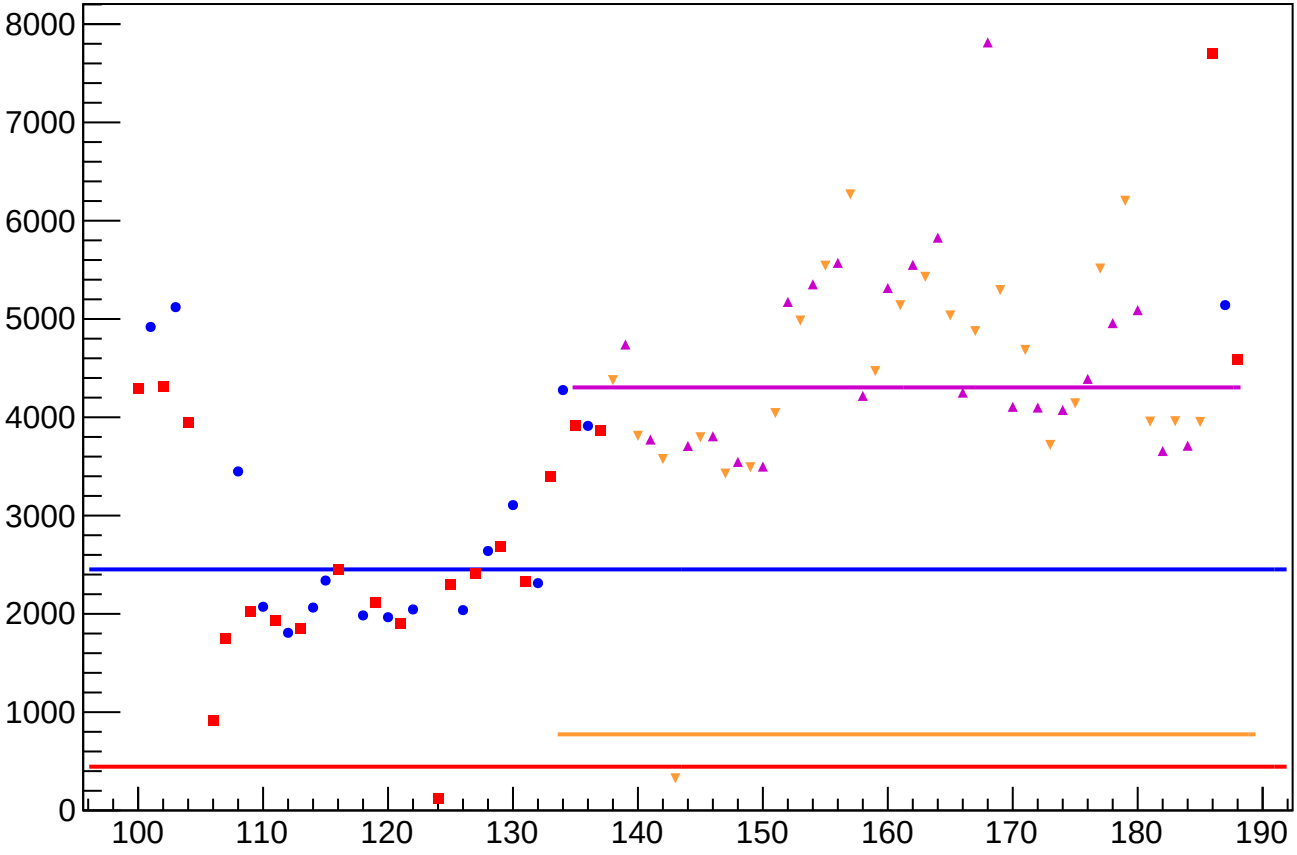
+ sign 1688.978+/-0.232 χ^2/NDF: 603752.2/41

All: 1691.382+/-0.164 χ^2/NDF: 1115922.1/85

- sign 1693.764+/-0.231 χ^2/NDF: 511956.3/43


asym_atl_dd_reg_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 222.165+/-957.923 χ²/NDF: 16.0/16
Left Out: 193.503+/-343.131 χ²/NDF:33.9/24
Right Out: 57.904+/-322.830 χ²/NDF: 30.7/20
Left In: 28.728+/-1025.481 χ²/NDF:13.3/22
+ sign 196.762+/-323.033 χ²/NDF: 49.9/41
All: 122.634+/-222.888 χ²/NDF: 94.0/85
- sign 55.273+/-307.932 χ²/NDF: 44.0/43

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2452.295+/-0.677 χ^2/NDF: 1561470.4/16

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 445.272+/-0.228 χ^2/NDF: 13362920.9/20

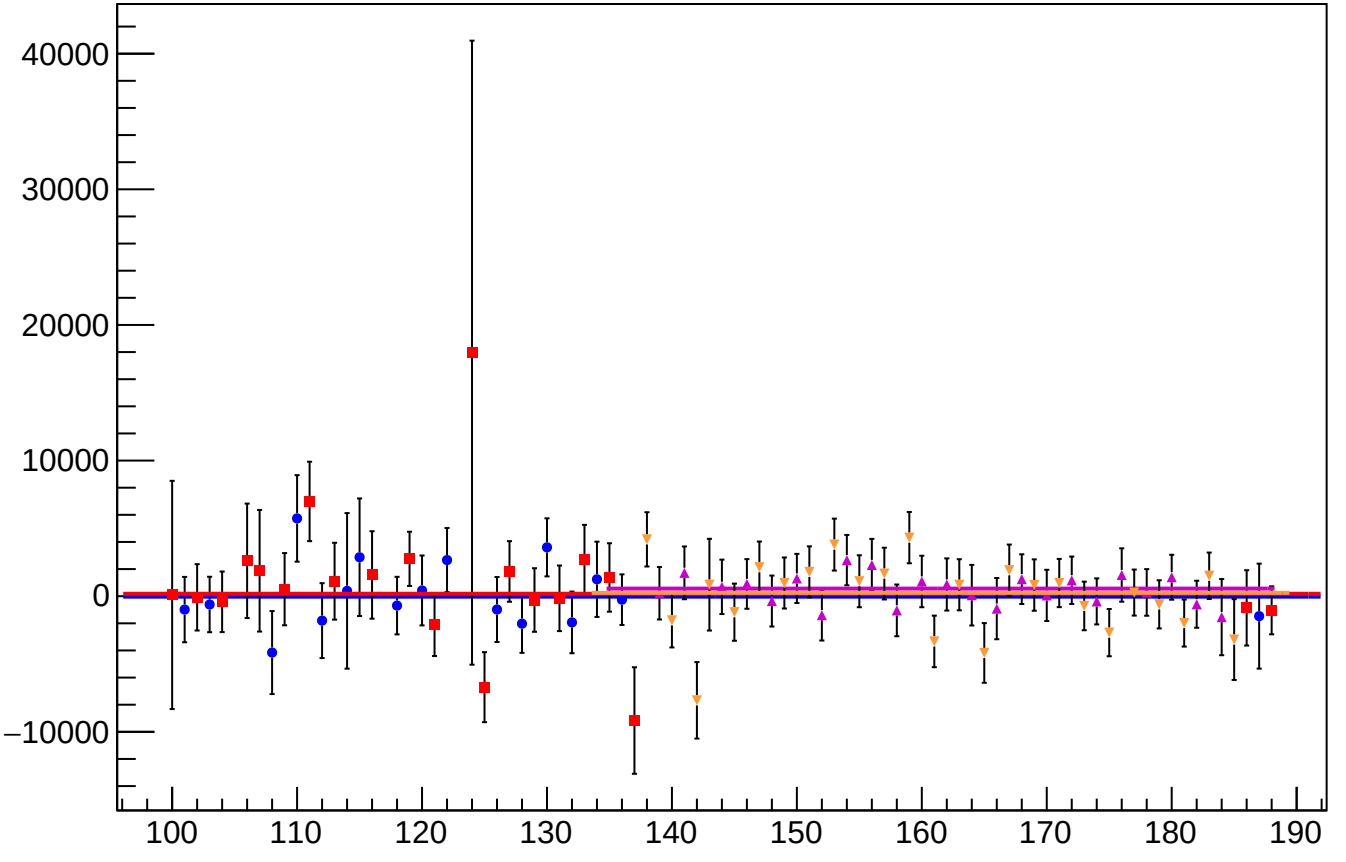
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 965.059+/-0.228 χ^2/NDF: 35086535.6/41

All: 875.023+/-0.158 χ^2/NDF: 75727318.5/85

- sign 793.208+/-0.218 χ^2/NDF: 40344226.9/43

cor_asym_atl_dd_mean vs Slug



Right In: -32.561+/-612.103 χ^2/NDF: 12.6/16

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 178.554+/-583.277 χ^2/NDF: 24.8/20

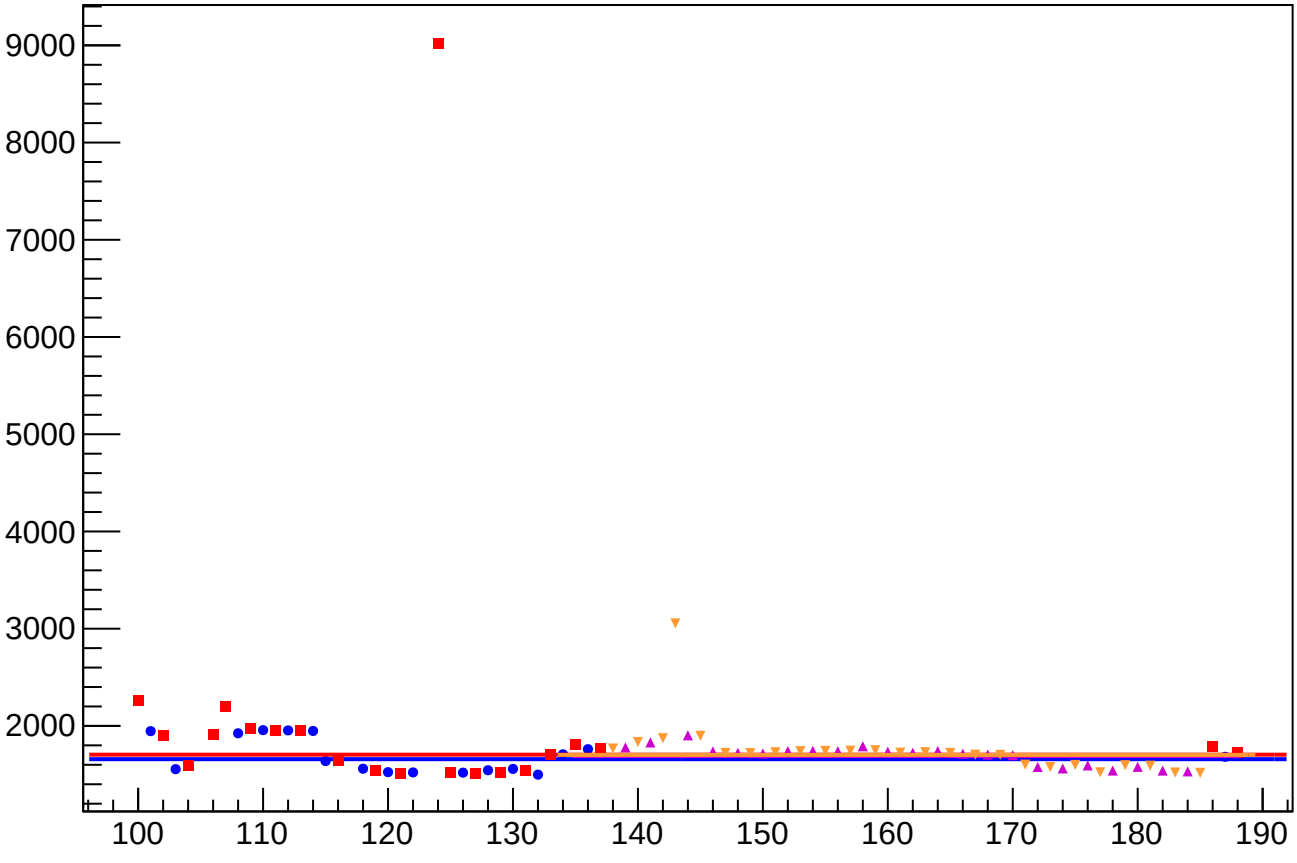
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 167.492+/-328.207 χ^2/NDF: 52.3/41

All: 304.193+/-231.693 χ^2/NDF: 85.2/85

- sign 439.993+/-327.124 χ^2/NDF: 32.6/43

cor_asym_atl_dd_rms vs Slug



Right In: 1657.742+/-0.433 χ^2/NDF: 144063.2/16

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1704.184+/-0.411 χ^2/NDF: 390512.0/20

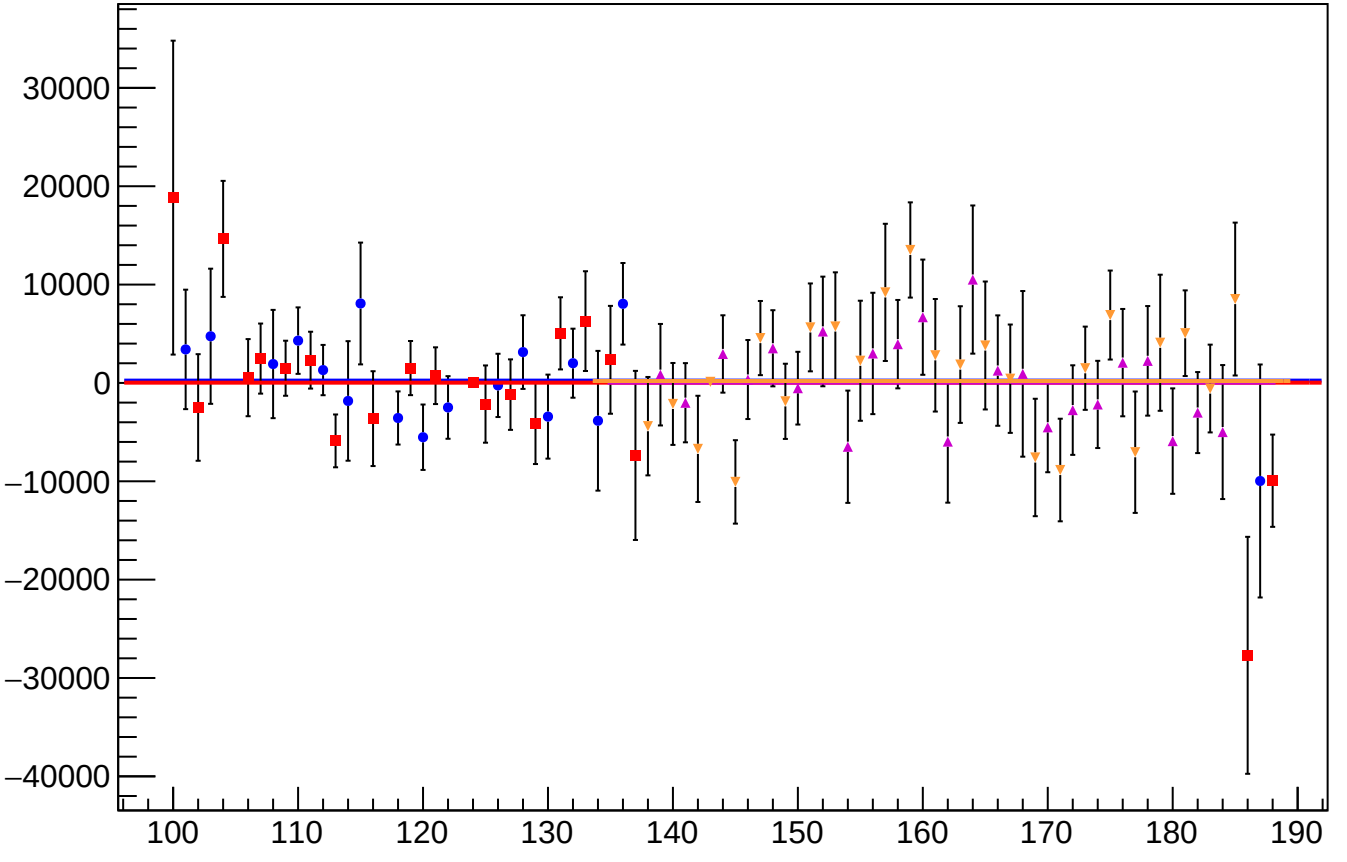
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1688.978+/-0.232 χ^2/NDF: 603752.3/41

All: 1691.488+/-0.164 χ^2/NDF: 1117717.0/85

- sign 1693.976+/-0.231 χ^2/NDF: 513731.8/43

asym_atl_dd_cor_correction_mean vs Slug



Right In: 234.679+/-957.806 χ^2/NDF: 16.1/16

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 28.002+/-314.936 χ^2/NDF: 30.5/20

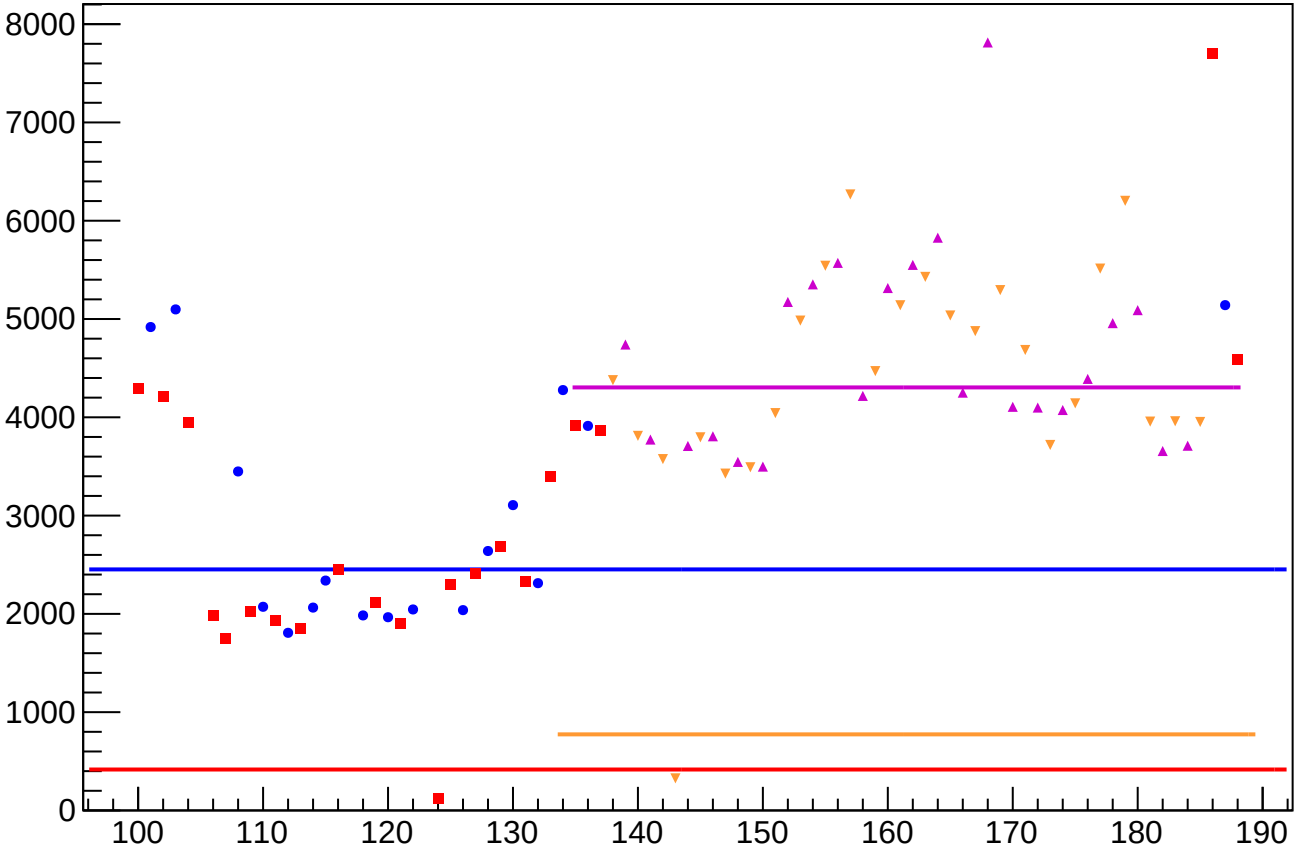
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 198.552+/-323.008 χ^2/NDF: 50.0/41

All: 107.321+/-220.232 χ^2/NDF: 93.9/85

- sign 28.068+/-301.059 χ^2/NDF: 43.8/43

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2452.455+/-0.677 χ^2/NDF: 1559764.6/16

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 416.582+/-0.223 χ^2/NDF: 13733960.0/20

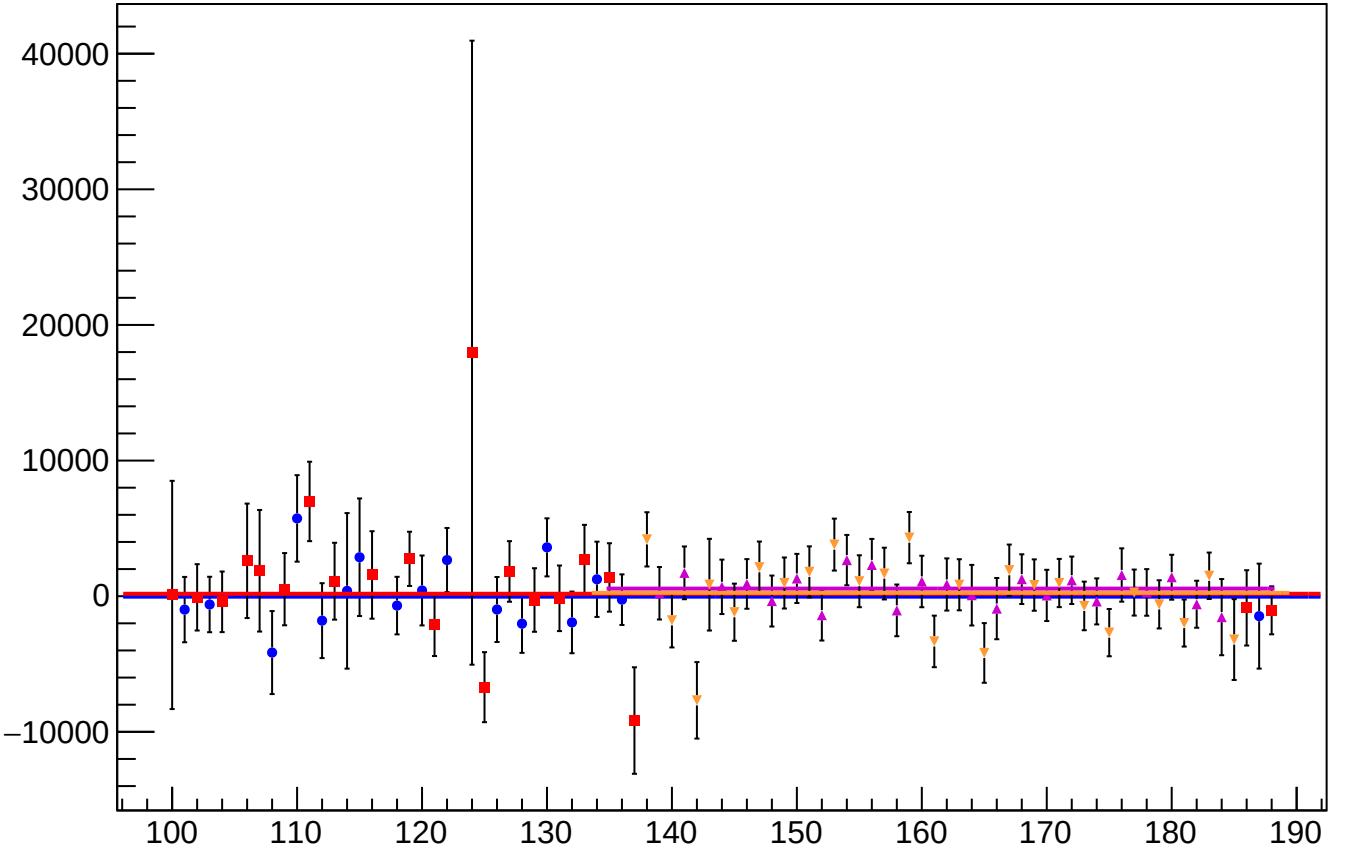
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 965.016+/-0.228 χ^2/NDF: 35088578.3/41

All: 850.828+/-0.156 χ^2/NDF: 76769843.9/85

- sign 751.632+/-0.213 χ^2/NDF: 41214192.7/43

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -32.561+/-612.103 χ^2/NDF: 12.6/16

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 178.554+/-583.277 χ^2/NDF: 24.8/20

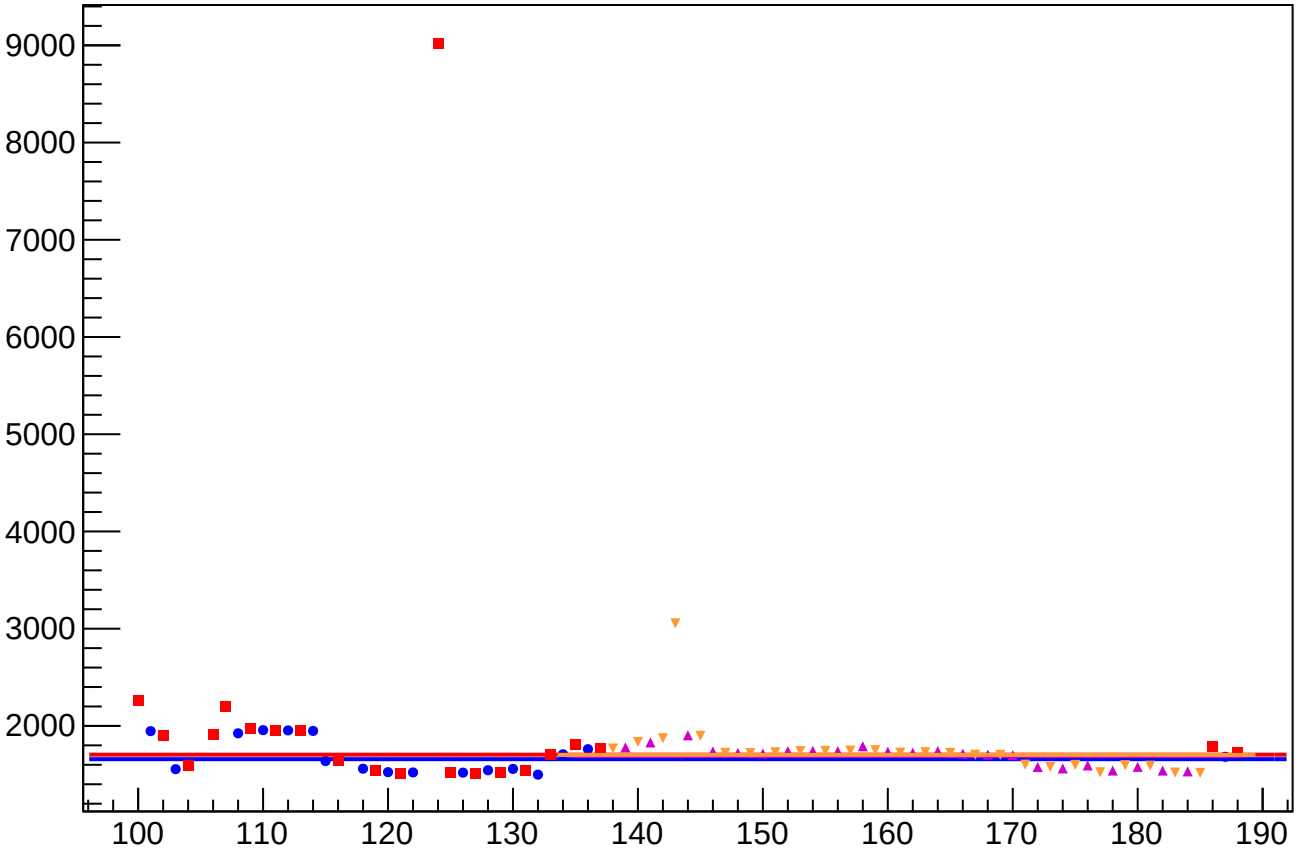
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 167.492+/-328.207 χ^2/NDF: 52.3/41

All: 304.193+/-231.693 χ^2/NDF: 85.2/85

- sign 439.993+/-327.124 χ^2/NDF: 32.6/43

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.742+/-0.433 χ^2/NDF: 144063.2/16

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

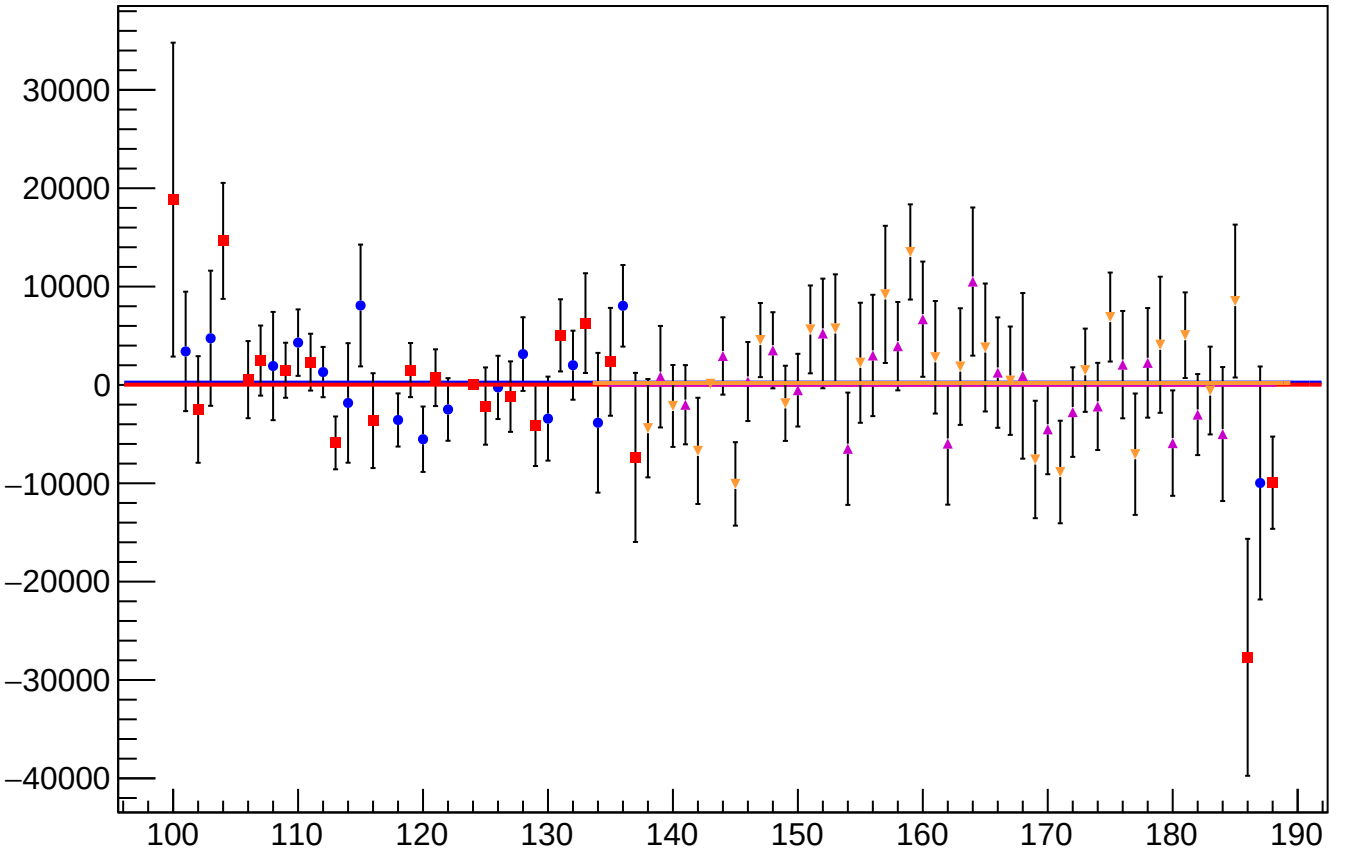
Right Out: 1704.184+/-0.411 χ^2/NDF: 390512.0/20

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1688.978+/-0.232 χ^2/NDF: 603752.3/41

All: 1691.488+/-0.164 χ^2/NDF: 1117717.0/85

- sign 1693.976+/-0.231 χ^2/NDF: 513731.8/43



Right In: 234.679+/-957.806 χ^2/NDF: 16.1/16

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 28.002+/-314.936 χ^2/NDF: 30.5/20

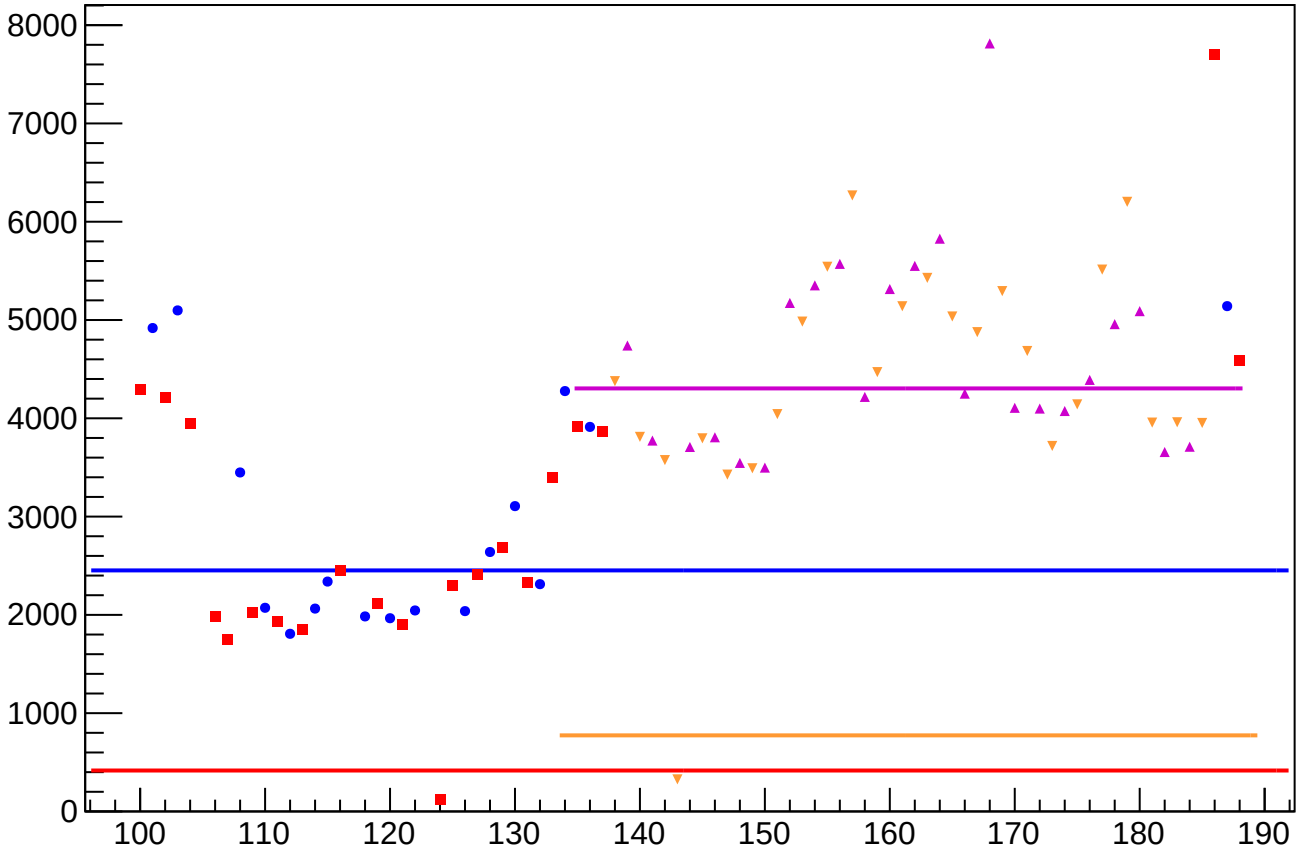
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 198.552+/-323.008 χ^2/NDF: 50.0/41

All: 107.321+/-220.232 χ^2/NDF: 93.9/85

- sign 28.068+/-301.059 χ^2/NDF: 43.8/43

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2452.455+/-0.677 χ^2/NDF: 1559764.6/16

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

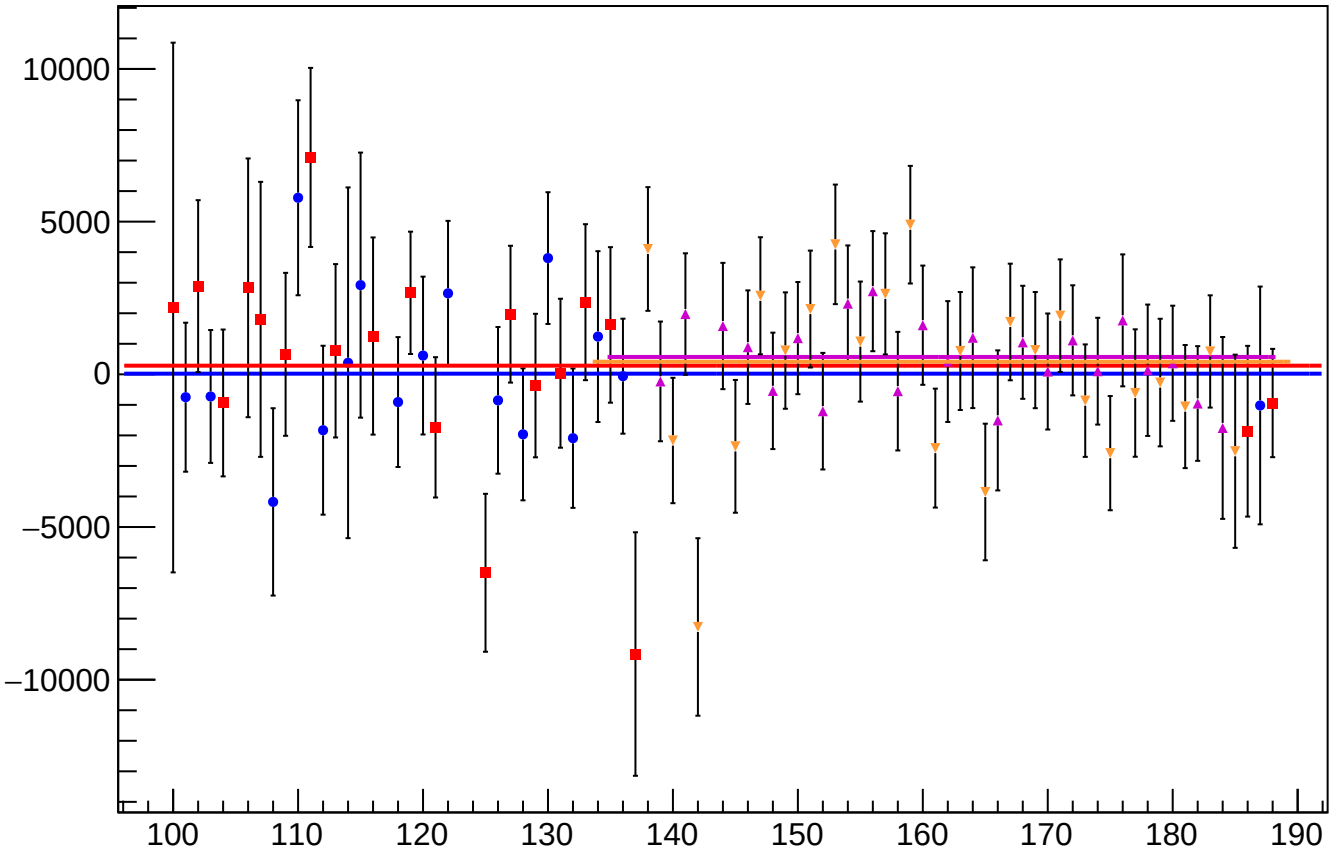
Right Out: 416.582+/-0.223 χ^2/NDF: 13733960.0/20

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 965.016+/-0.228 χ^2/NDF: 35088578.3/41

All: 850.828+/-0.156 χ^2/NDF: 76769843.9/85

- sign 751.632+/-0.213 χ^2/NDF: 41214192.7/43



Right In: 21.408+/-618.206 χ^2/NDF: 12.9/16

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 283.305+/-592.610 χ^2/NDF: 24.5/19

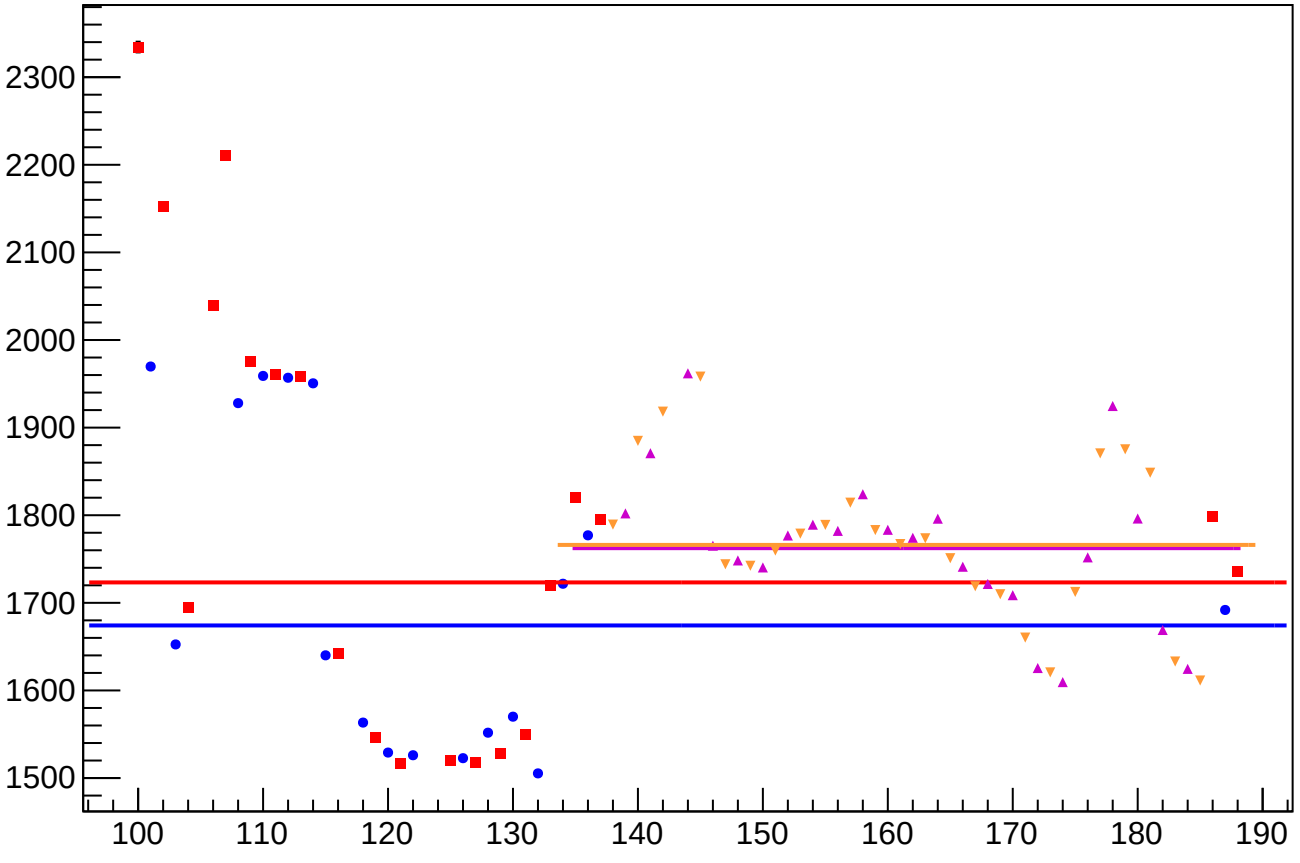
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 293.373+/-341.995 χ^2/NDF: 53.2/40

All: 385.561+/-240.513 χ^2/NDF: 85.7/83

- sign 475.772+/-338.309 χ^2/NDF: 32.4/42

dit_asym_atl_dd_rms vs Slug



Right In: 1674.186+/-0.437 χ^2/NDF: 140915.4/16

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1723.311+/-0.418 χ^2/NDF: 229332.1/19

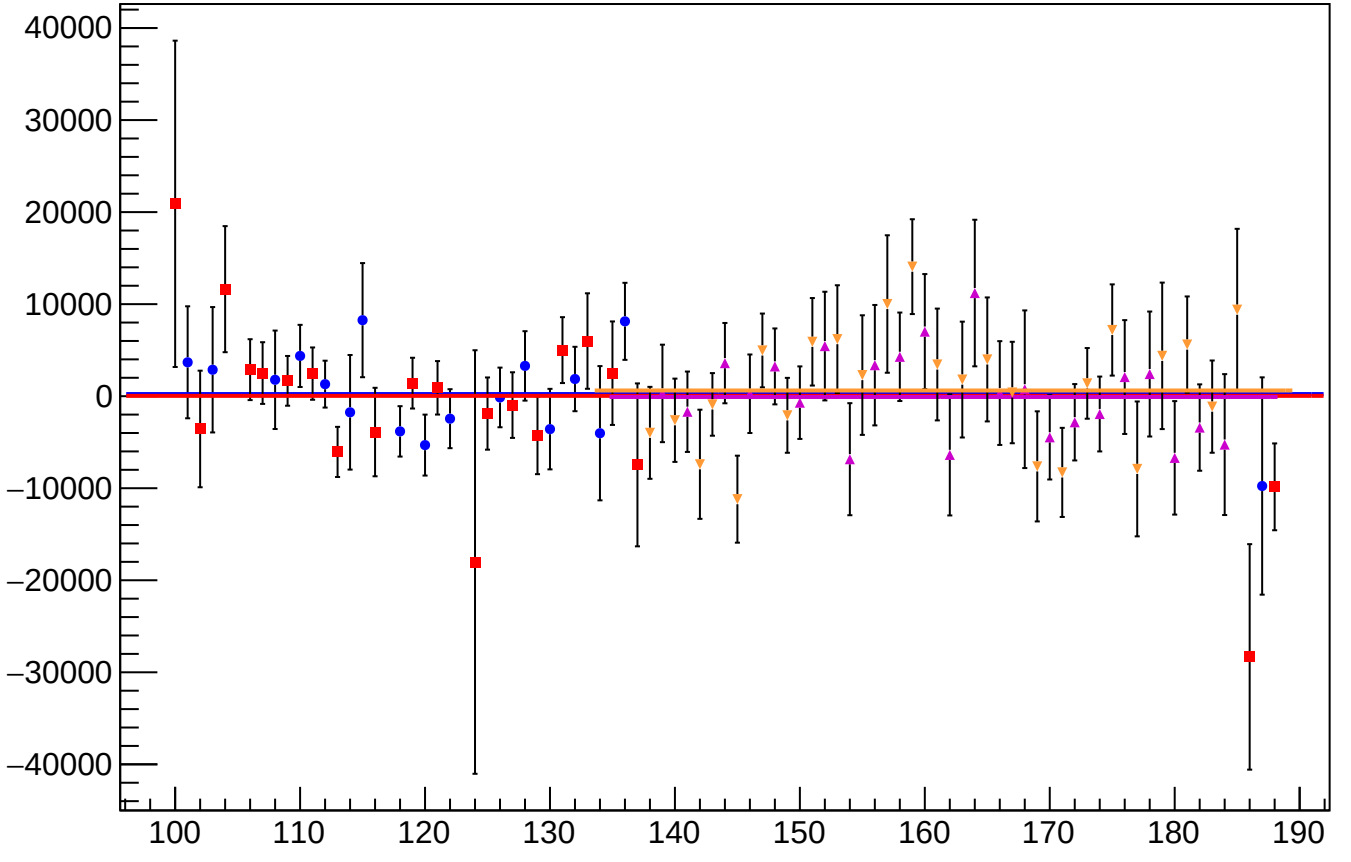
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1737.981+/-0.242 χ^2/NDF: 254858.5/40

All: 1743.873+/-0.170 χ^2/NDF: 571337.6/83

- sign 1749.631+/-0.239 χ^2/NDF: 315305.5/42

asym_atl_dd_dit_correction_mean vs Slug



Right In: 229.820+/-961.473 χ^2/NDF: 16.0/16

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 36.125+/-866.666 χ^2/NDF: 28.8/20

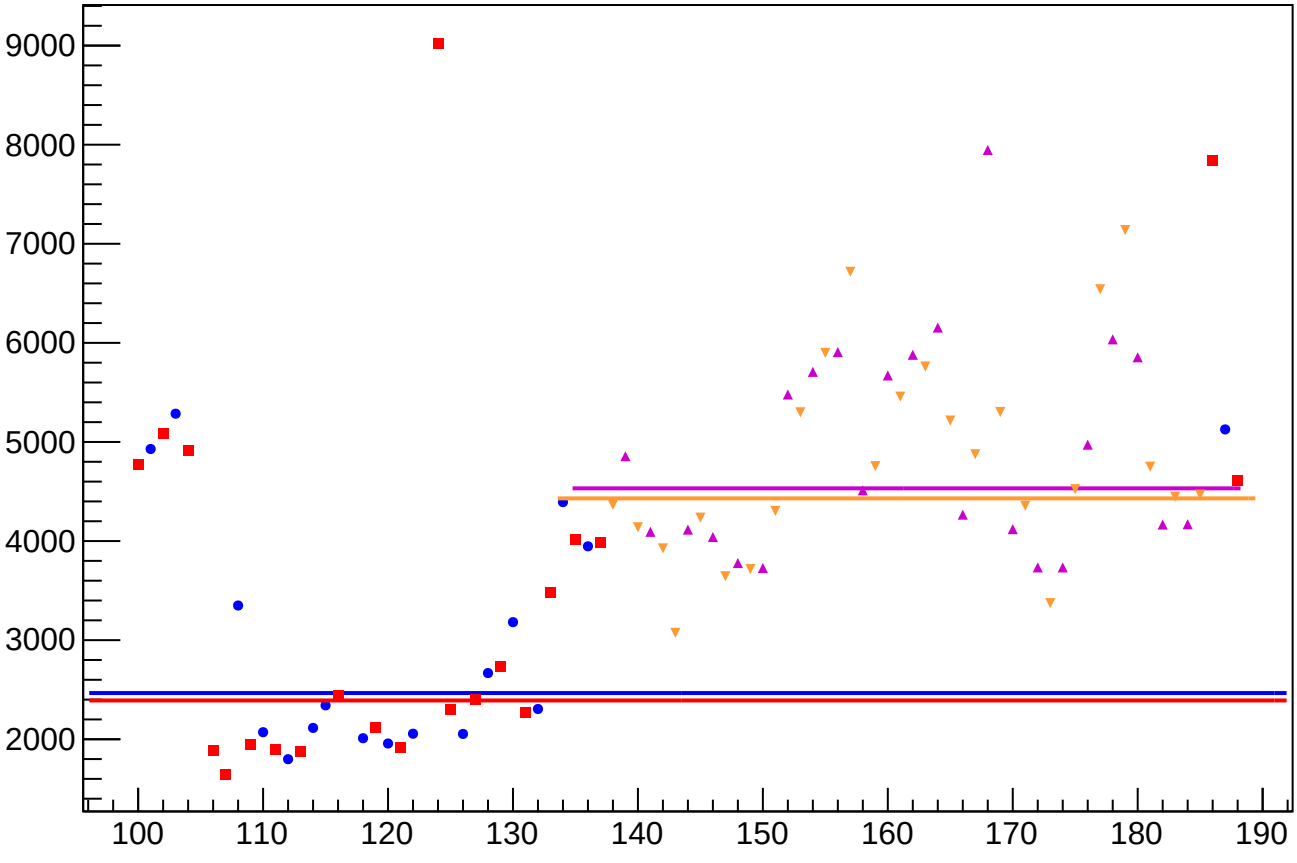
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 410.466+/-704.317 χ^2/NDF: 49.1/41

All: 191.061+/-487.915 χ^2/NDF: 91.0/85

- sign -11.387+/-676.551 χ^2/NDF: 41.7/43

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2466.361+/-0.680 χ^2/NDF: 1619828.5/16

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

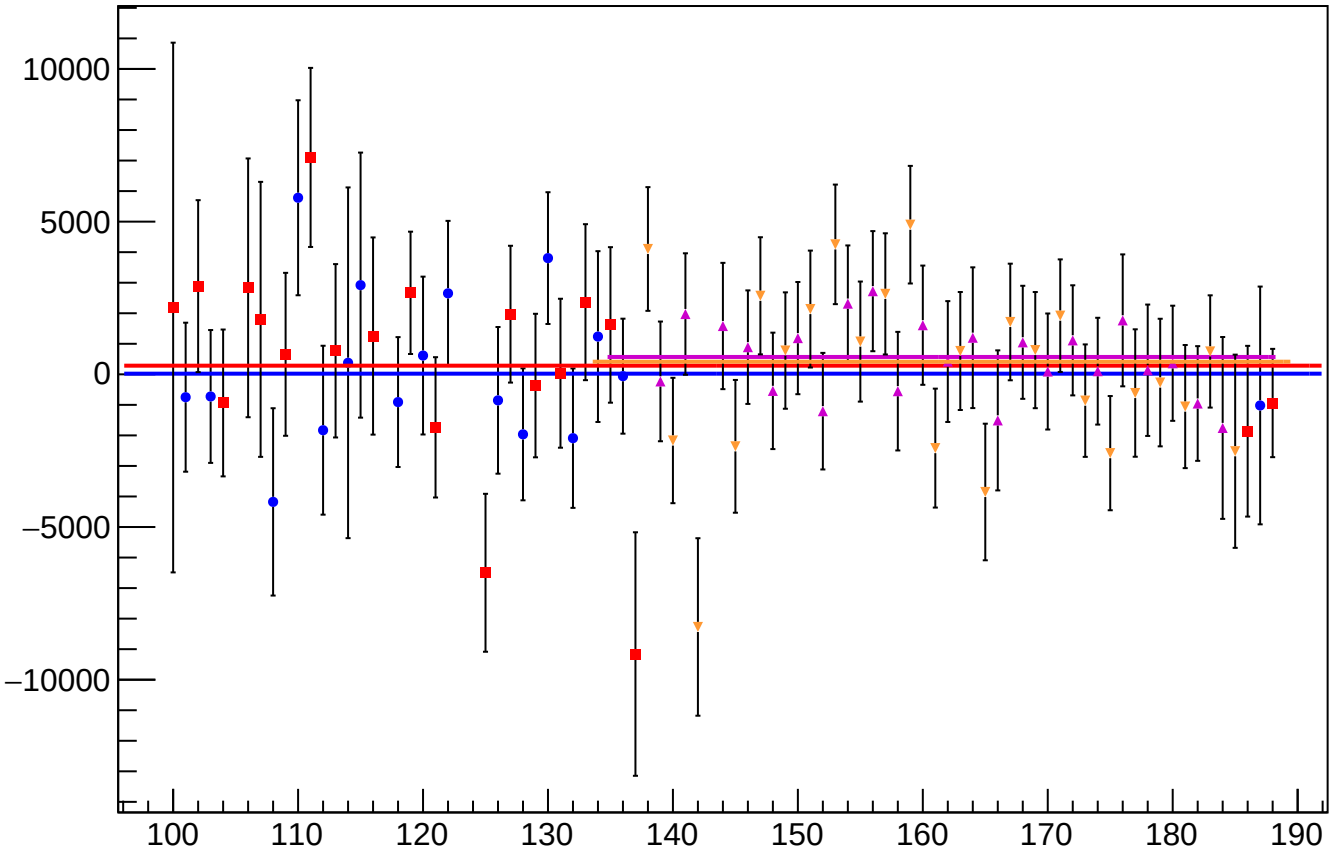
Right Out: 2391.497+/-0.613 χ^2/NDF: 2417128.4/20

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3376.653+/-0.498 χ^2/NDF: 7101881.1/41

All: 3299.115+/-0.345 χ^2/NDF: 15707212.8/8

- sign 3227.570+/-0.478 χ^2/NDF: 8558726.3/43



Right In: 21.405+/-618.205 χ^2/NDF: 12.9/16

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 283.309+/-592.610 χ^2/NDF: 24.5/19

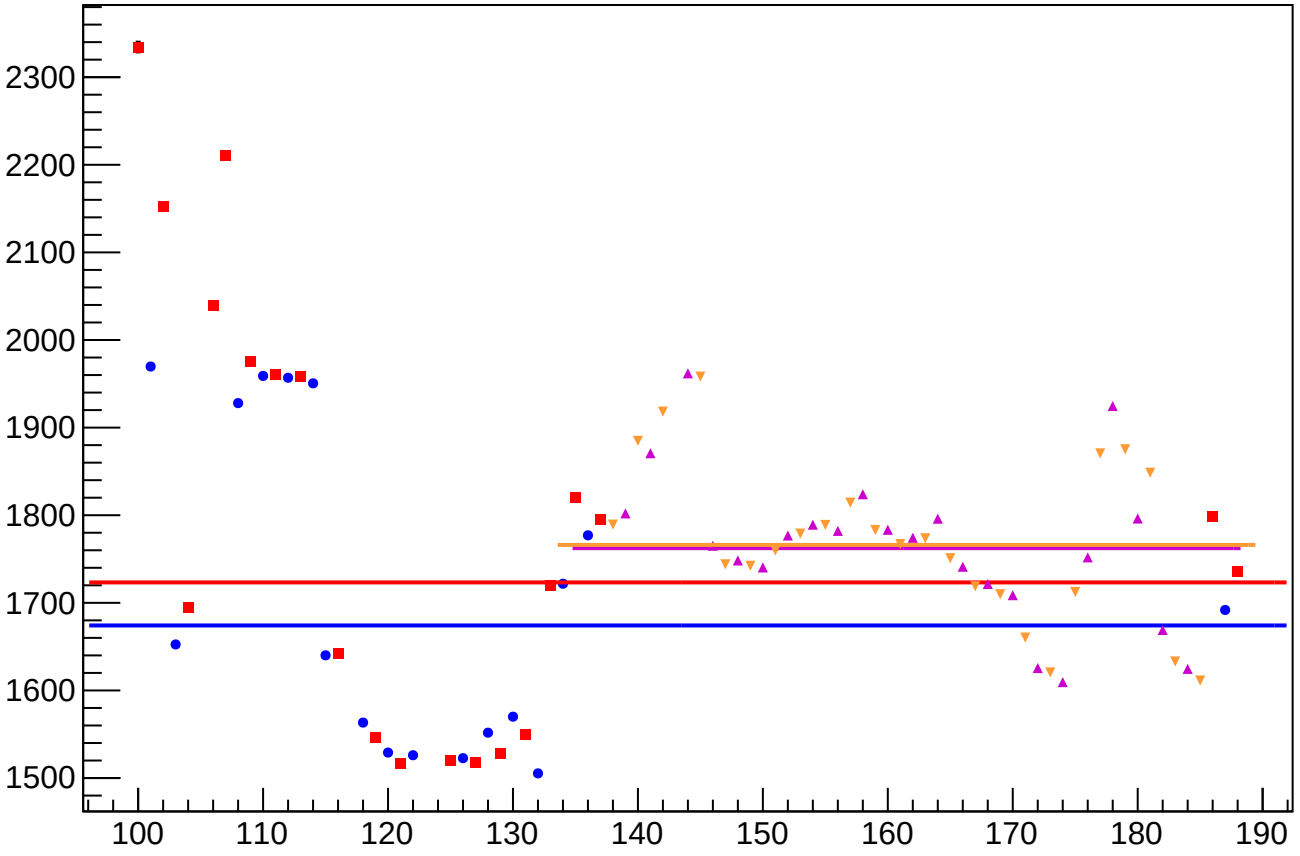
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 293.373+/-341.995 χ^2/NDF: 53.2/40

All: 385.561+/-240.513 χ^2/NDF: 85.7/83

- sign 475.772+/-338.309 χ^2/NDF: 32.4/42

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1674.186+/-0.437 χ^2/NDF: 140915.5/16

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1723.311+/-0.418 χ^2/NDF: 229331.3/19

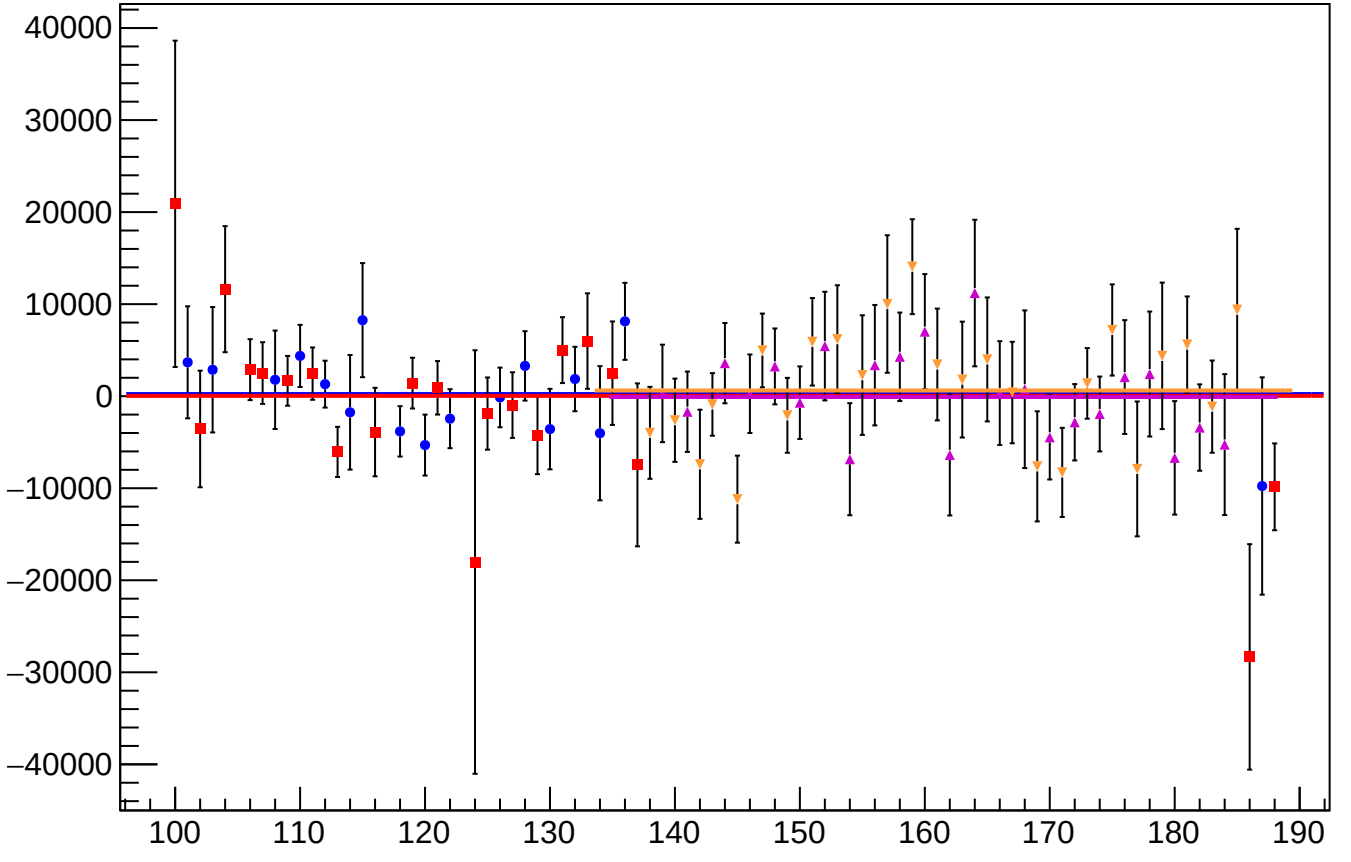
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1737.982+/-0.242 χ^2/NDF: 254862.2/40

All: 1743.874+/-0.170 χ^2/NDF: 571343.6/83

- sign 1749.631+/-0.239 χ^2/NDF: 315307.8/42

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 229.815+/-961.469 χ^2/NDF: 16.0/16

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 36.130+/-866.663 χ^2/NDF: 28.8/20

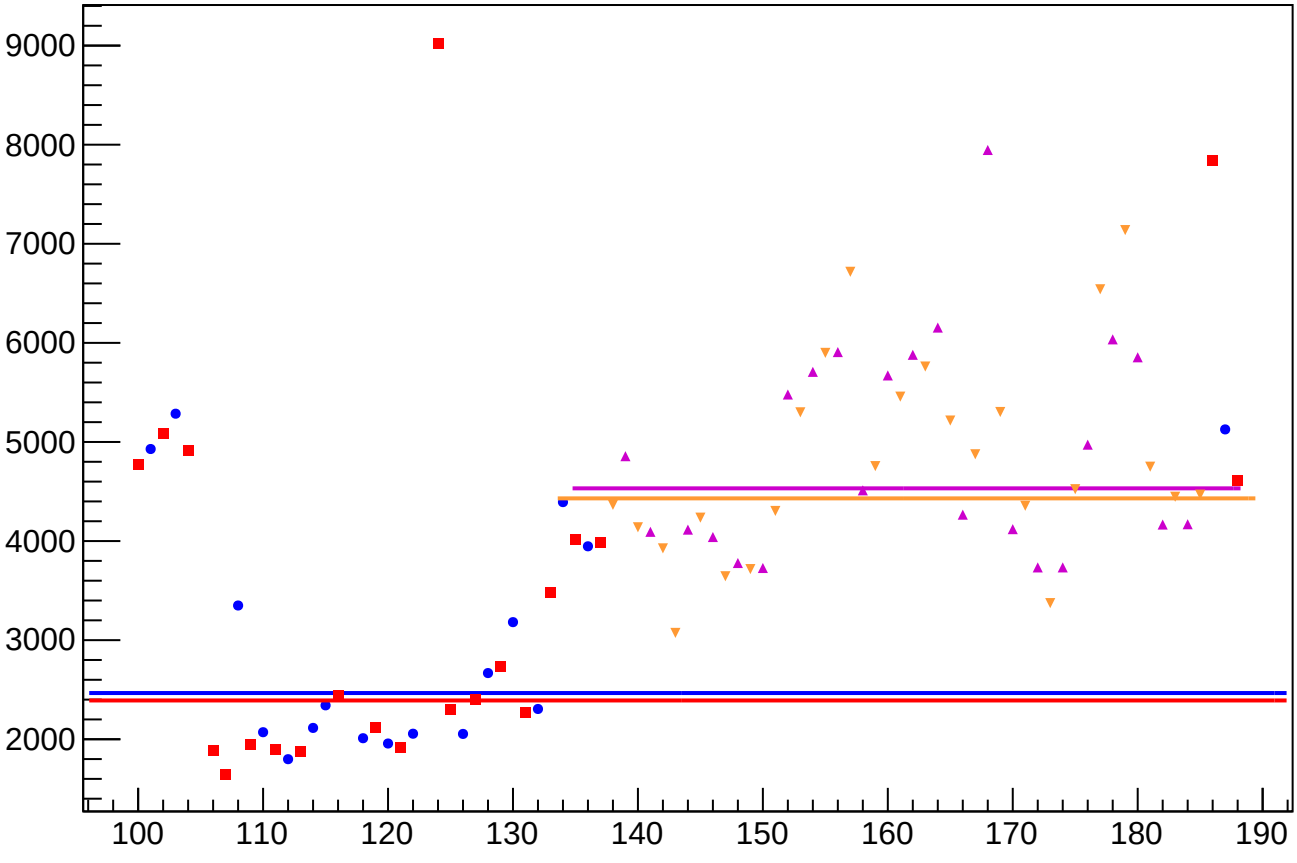
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 410.464+/-704.316 χ^2/NDF: 49.1/41

All: 191.061+/-487.914 χ^2/NDF: 91.0/85

- sign -11.384+/-676.550 χ^2/NDF: 41.7/43

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2466.350+/-0.680 χ^2/NDF: 1619842.4/16

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

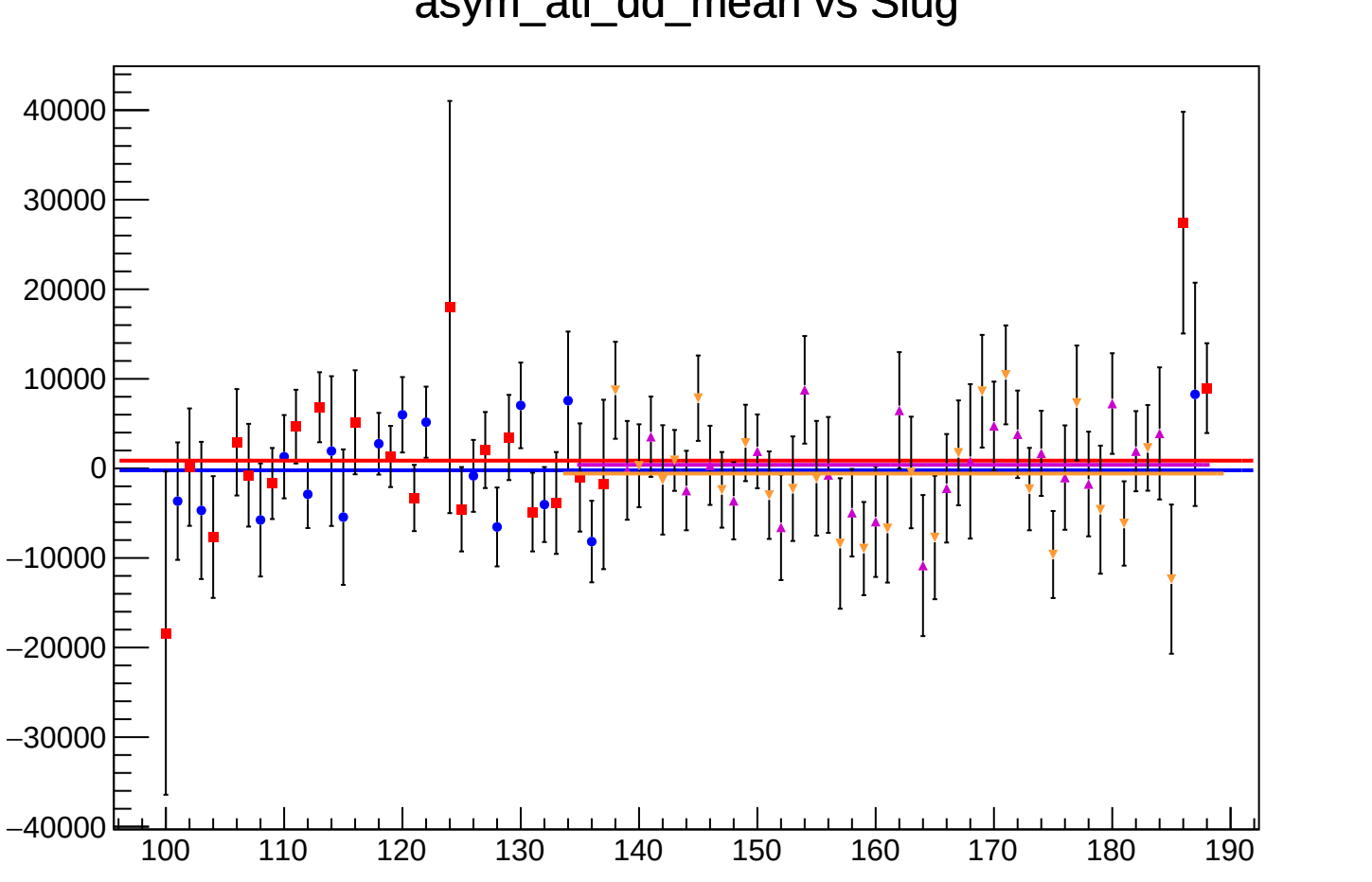
Right Out: 2391.488+/-0.613 χ^2/NDF: 2417142.4/20

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3376.645+/-0.498 χ^2/NDF: 7101974.5/41

All: 3299.107+/-0.345 χ^2/NDF: 15707396.3/8

- sign 3227.562+/-0.478 χ^2/NDF: 8558816.5/43



Right In: -209.056+/-1191.854 χ^2/NDF: 17.0/16

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 868.761+/-1119.759 χ^2/NDF: 20.4/20

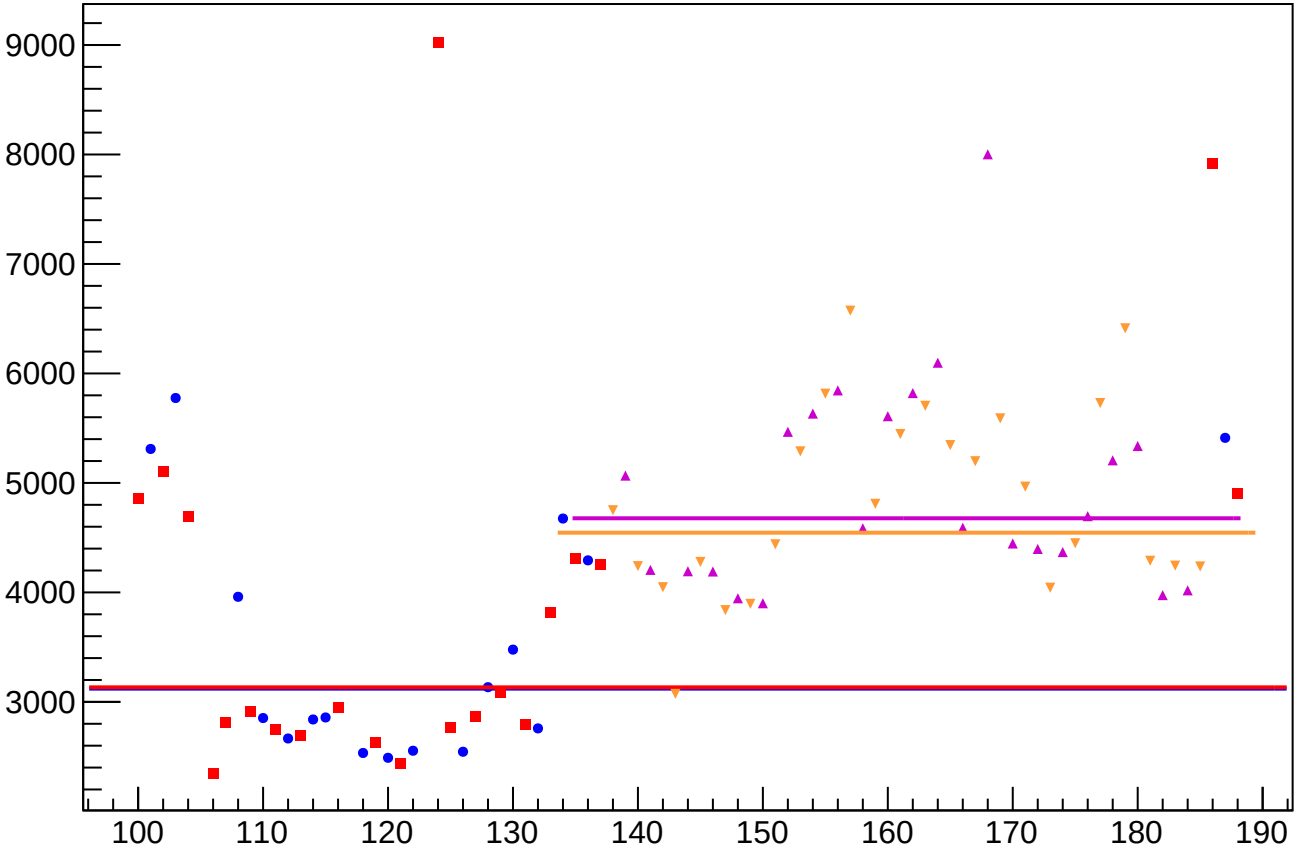
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -413.210+/-789.903 χ^2/NDF: 45.9/41

All: 110.274+/-557.919 χ^2/NDF: 81.2/85

- sign 631.416+/-788.134 χ^2/NDF: 34.5/43

asym_atl_dd_rms vs Slug



Right In: 3121.267+/-0.843 χ^2/NDF: 1031820.2/16

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3132.631+/-0.782 χ^2/NDF: 1383215.9/20

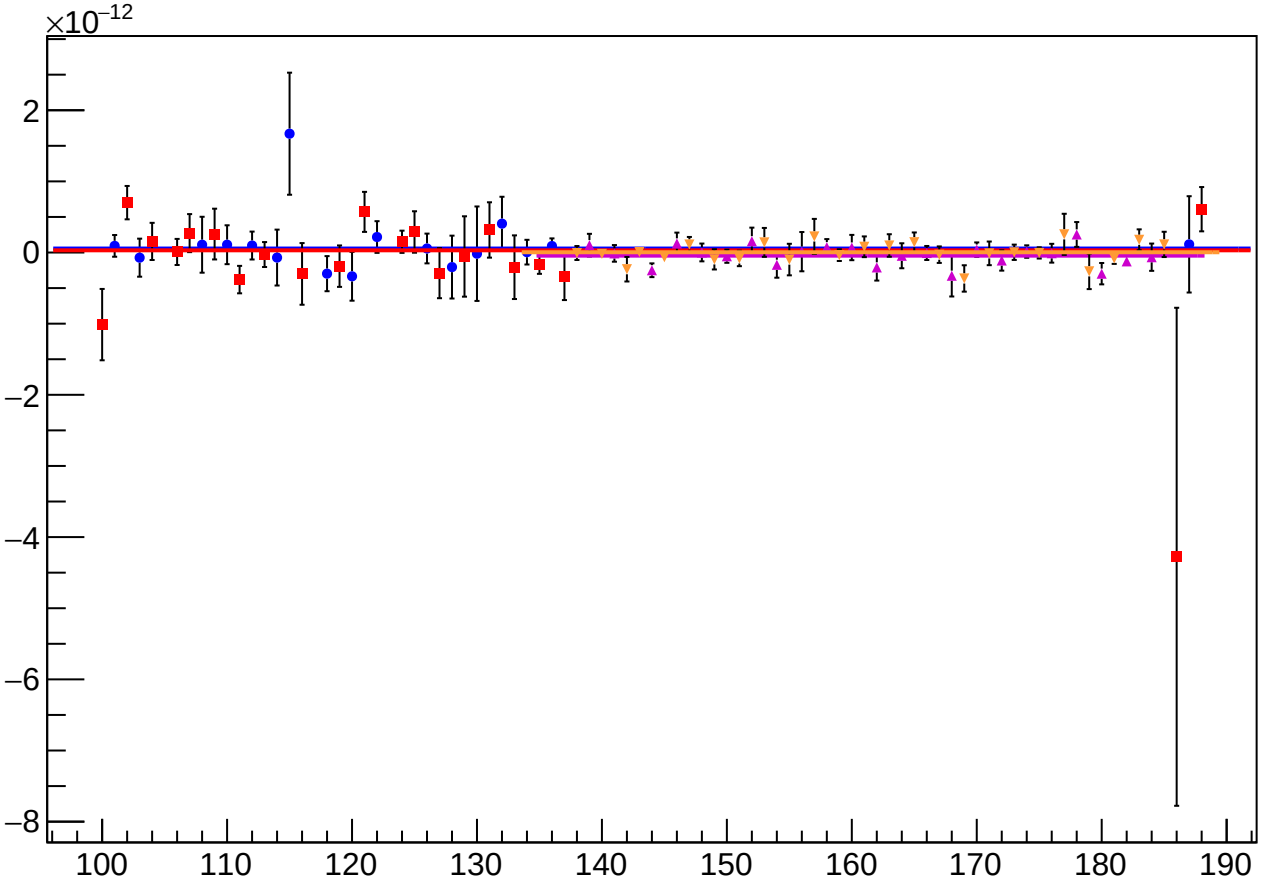
Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 3919.915+/-0.559 χ^2/NDF: 3891823.7/41

All: 3910.911+/-0.393 χ^2/NDF: 8180099.1/85

- sign 3902.061+/-0.554 χ^2/NDF: 4287760.1/43

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

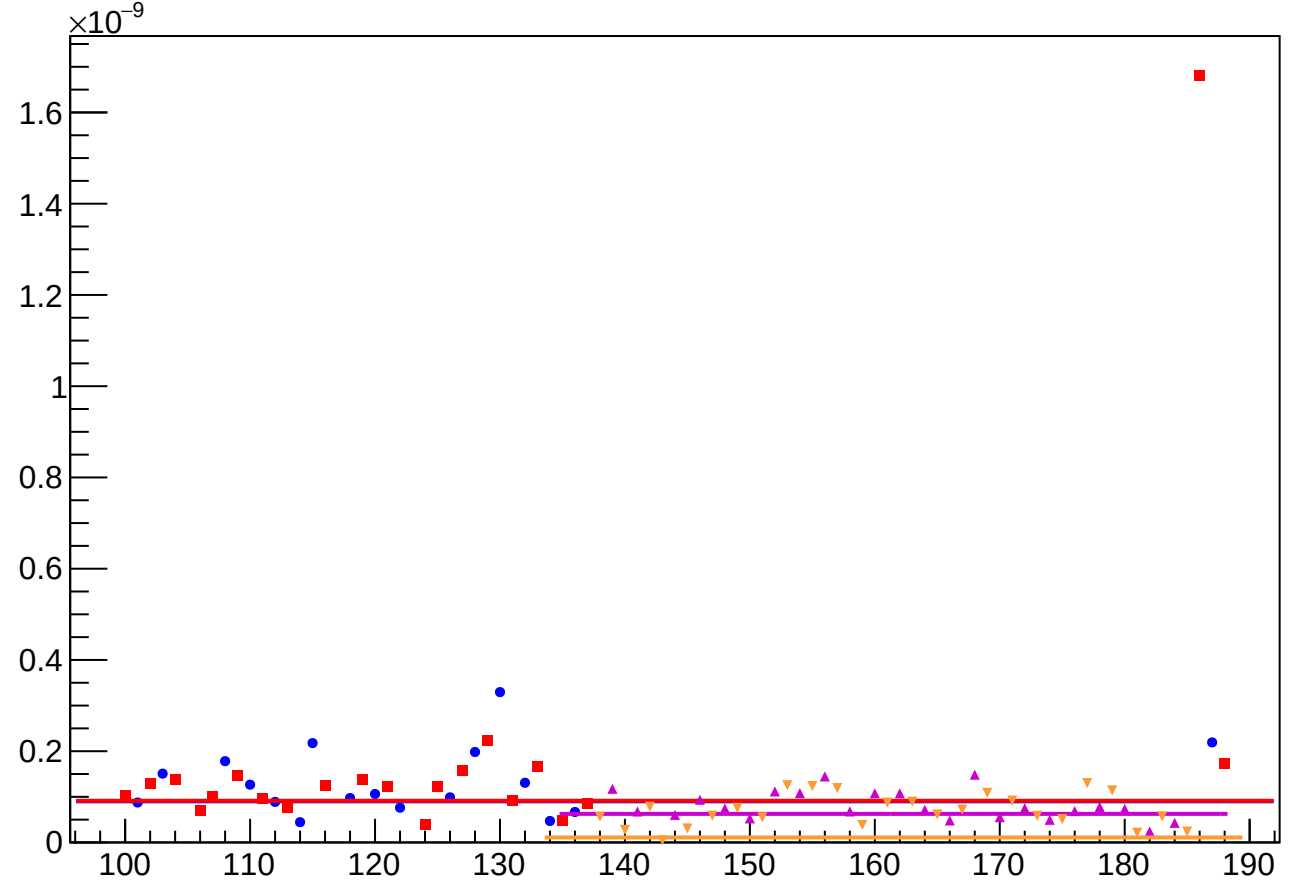
Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/20

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.3/41

All: 0.000+/-0.000 χ^2/NDF: 87.6/85

- sign -0.000+/-0.000 χ^2/NDF: 57.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 1022902.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

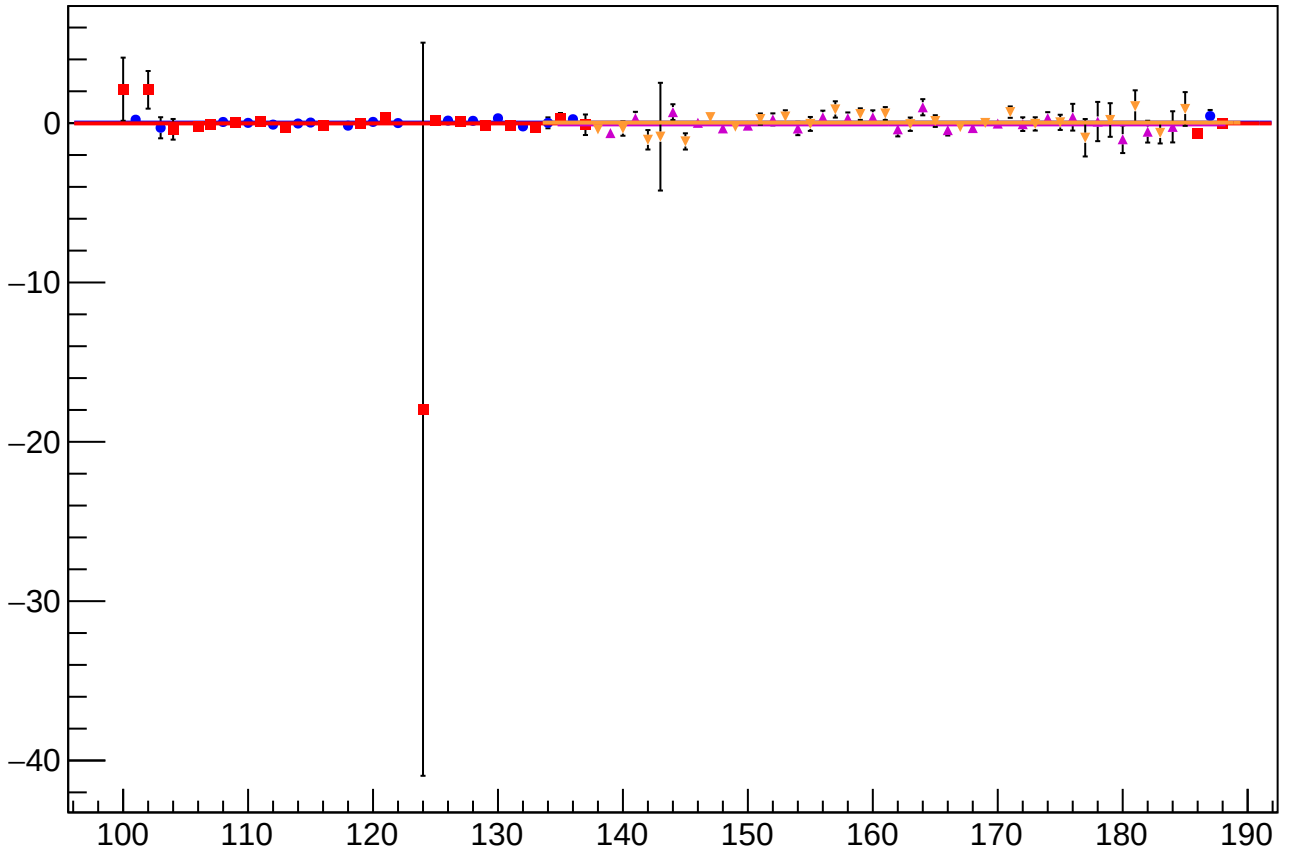
Right Out: 0.000+/-0.000 χ^2/NDF: 1566394.0/20

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14610445.5/41

All: 0.000+/-0.000 χ^2/NDF: 28570500.5/85

- sign 0.000+/-0.000 χ^2/NDF: 4105314.9/43



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.017+/-0.038 χ^2/NDF: 27.9/20

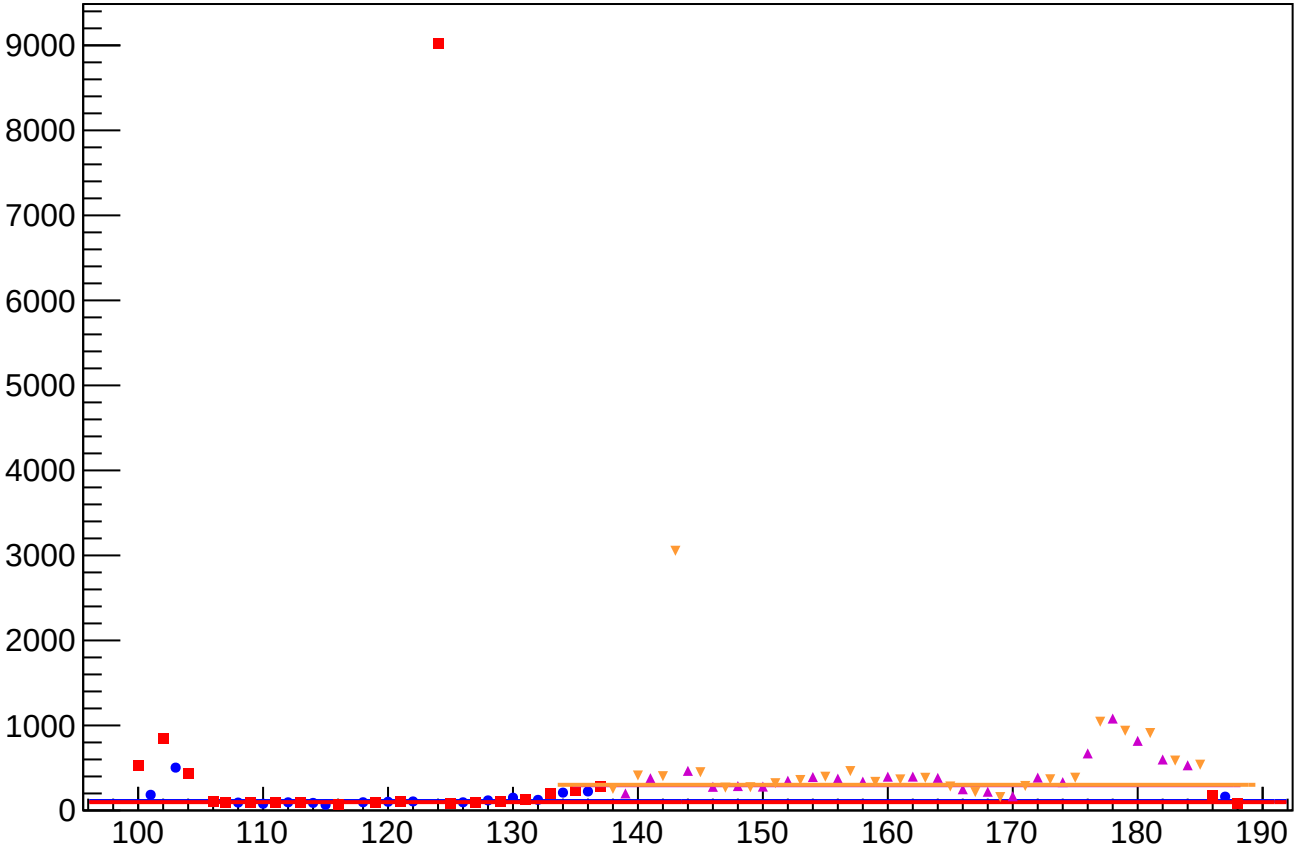
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.034+/-0.039 χ^2/NDF: 39.7/41

All: -0.001+/-0.026 χ^2/NDF: 93.8/85

- sign -0.029+/-0.034 χ^2/NDF: 52.5/43

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 110.719+/-0.032 χ^2/NDF: 1967977.1/16

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

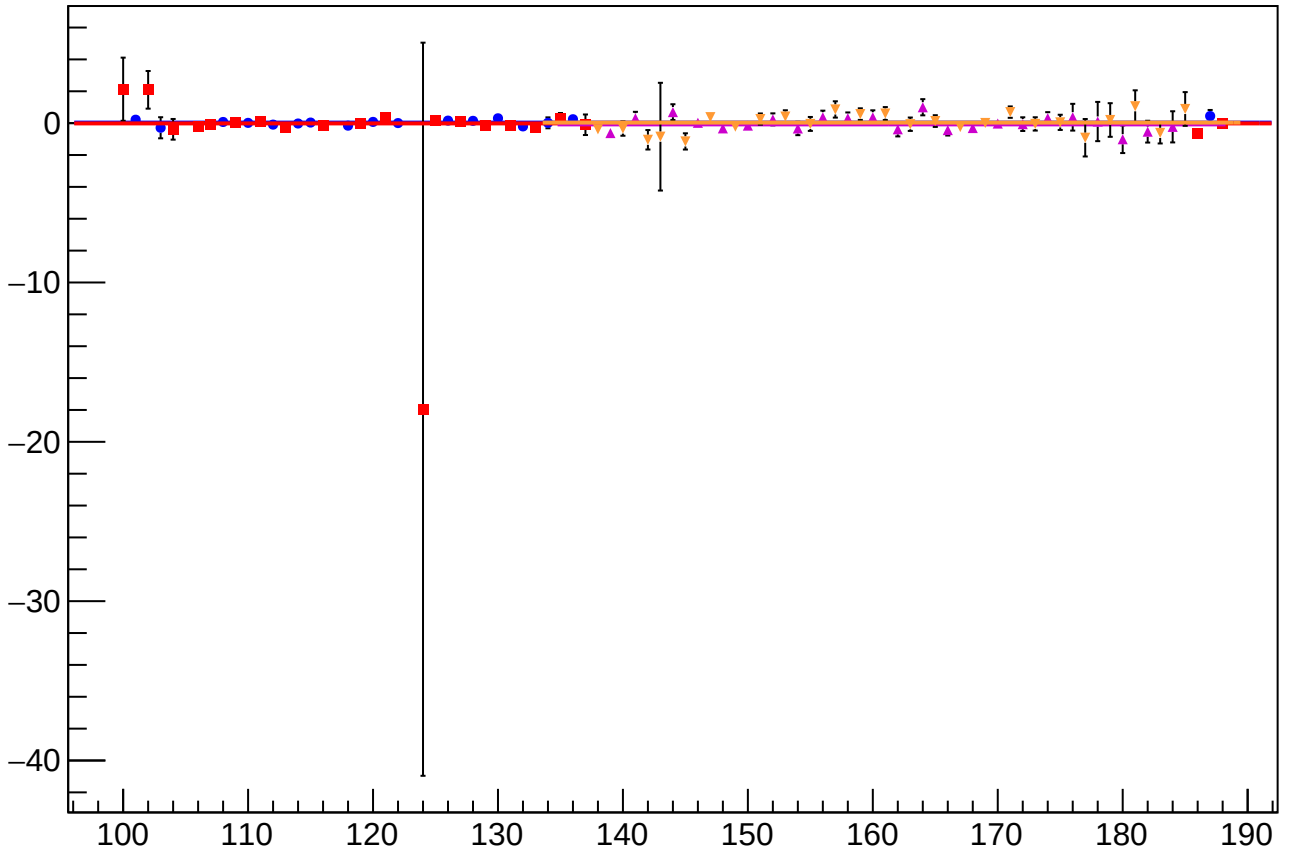
Right Out: 97.815+/-0.027 χ^2/NDF: 2883178.8/20

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 159.388+/-0.027 χ^2/NDF: 17849641.5/41

All: 147.243+/-0.018 χ^2/NDF: 37027572.5/85

- sign 137.933+/-0.024 χ^2/NDF: 18832344.7/43



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.017+/-0.038 χ^2/NDF: 27.9/20

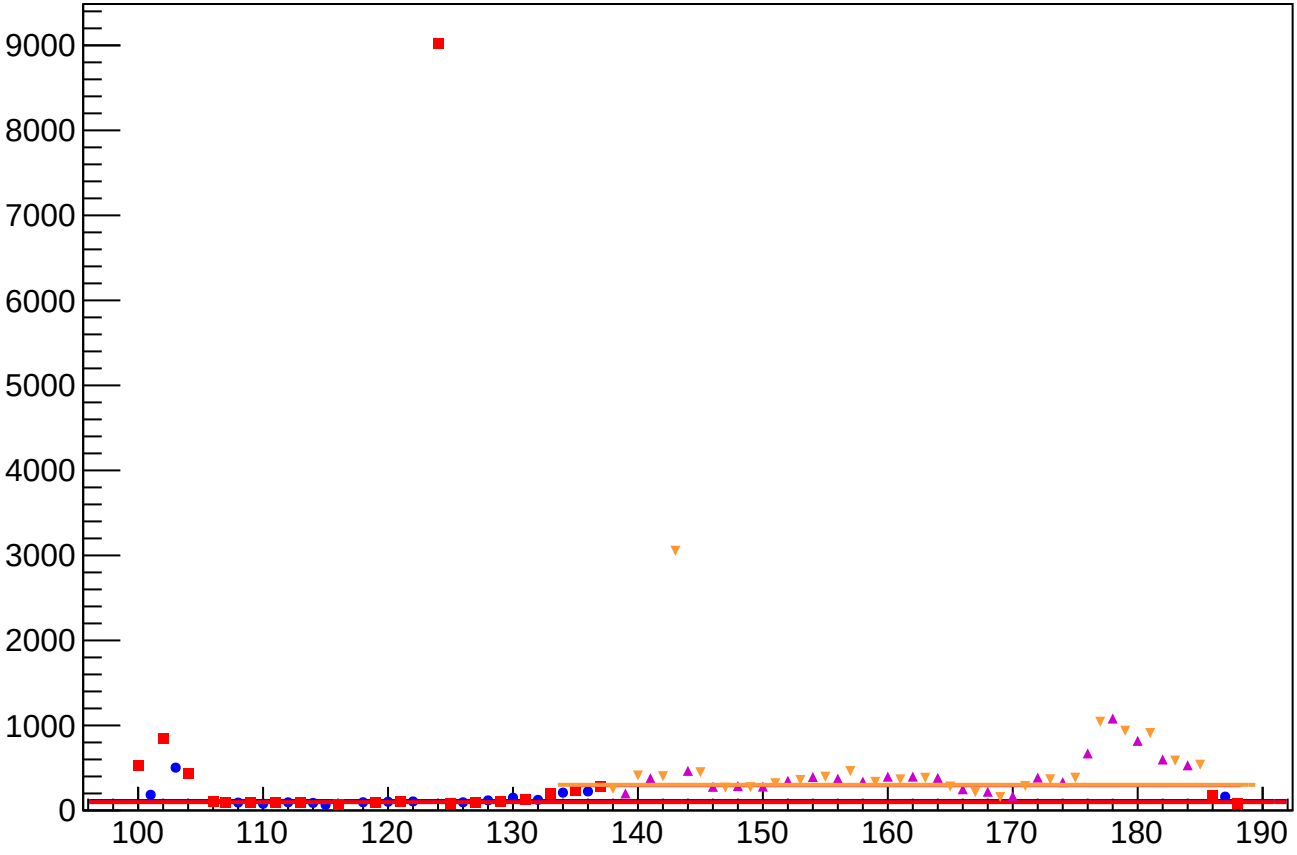
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.034+/-0.039 χ^2/NDF: 39.7/41

All: -0.001+/-0.026 χ^2/NDF: 93.8/85

- sign -0.029+/-0.034 χ^2/NDF: 52.5/43

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 110.719+/-0.032 χ^2/NDF: 1967977.1/16

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

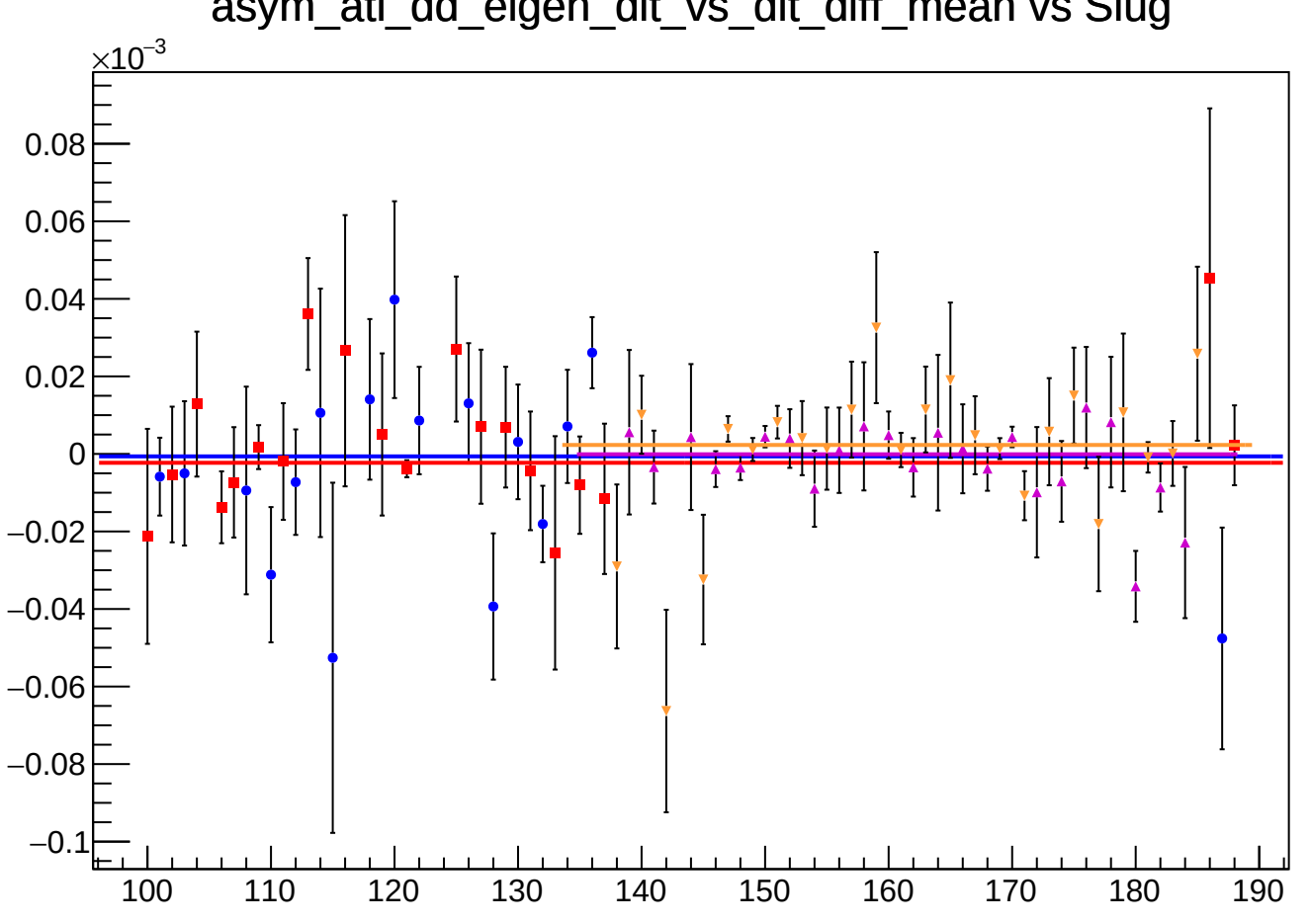
Right Out: 97.815+/-0.027 χ^2/NDF: 2883178.8/20

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 159.388+/-0.027 χ^2/NDF: 17849641.5/41

All: 147.243+/-0.018 χ^2/NDF: 37027572.5/85

- sign 137.933+/-0.024 χ^2/NDF: 18832344.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

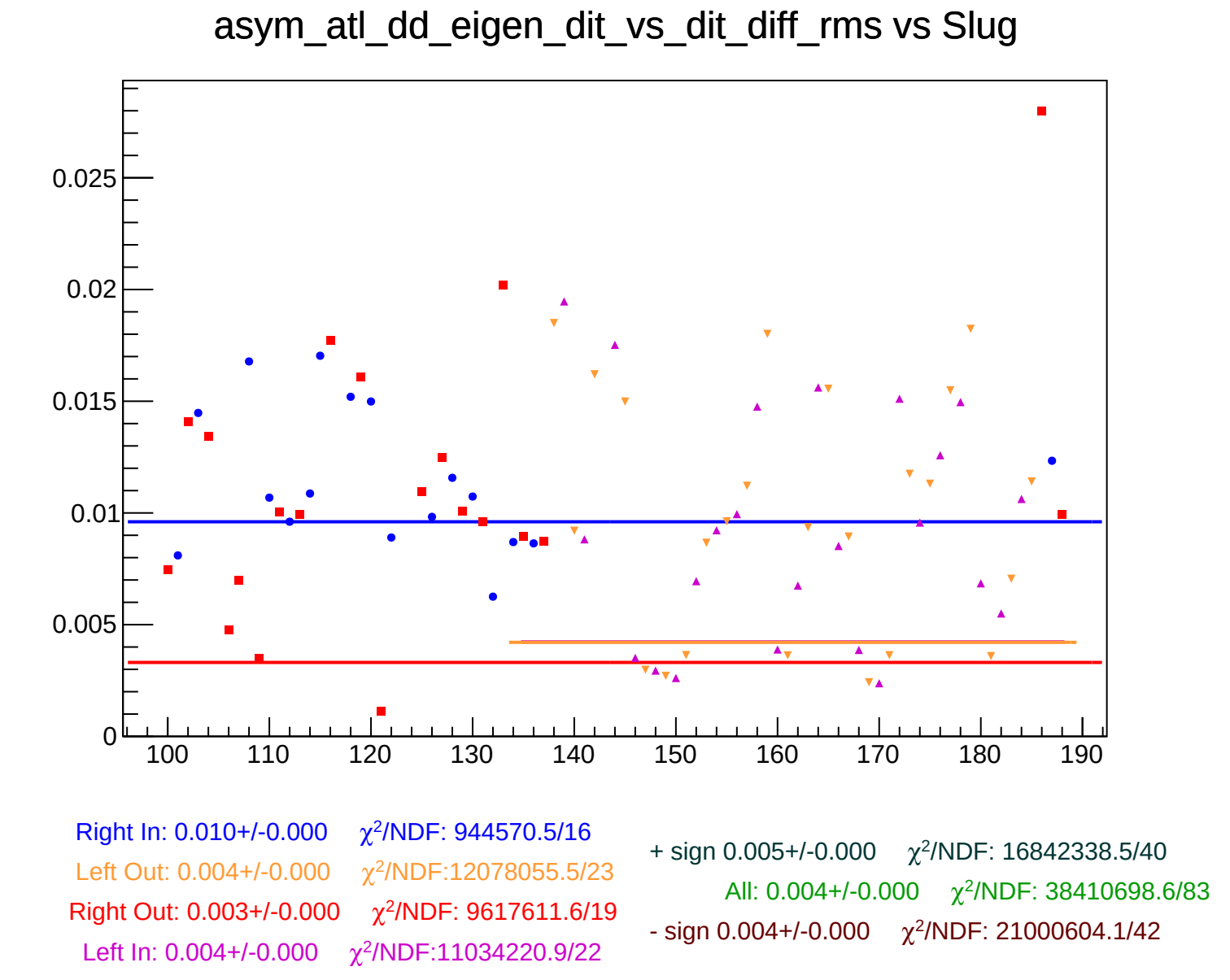
Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/19

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

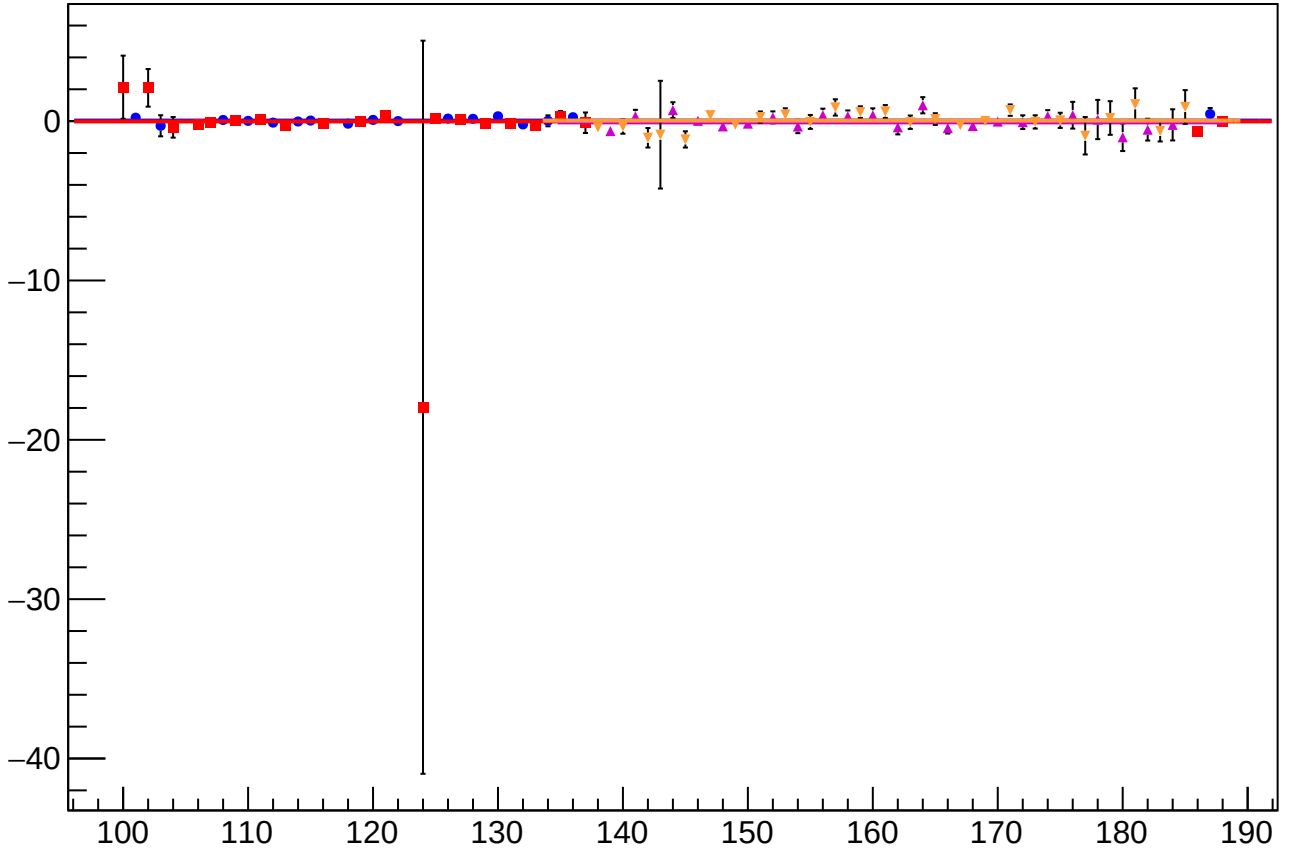
+ sign 0.000+/-0.000 χ^2/NDF: 60.1/40

All: 0.000+/-0.000 χ^2/NDF: 110.5/83

- sign -0.000+/-0.000 χ^2/NDF: 47.2/42


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.010+/-0.000 χ²/NDF: 944570.5/16
Left Out: 0.004+/-0.000 χ²/NDF:12078055.5/23
Right Out: 0.003+/-0.000 χ²/NDF: 9617611.6/19
Left In: 0.004+/-0.000 χ²/NDF:11034220.9/22
+ sign 0.005+/-0.000 χ²/NDF: 16842338.5/40
All: 0.004+/-0.000 χ²/NDF: 38410698.6/83
- sign 0.004+/-0.000 χ²/NDF: 21000604.1/42

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.017+/-0.038 χ^2/NDF: 27.9/20

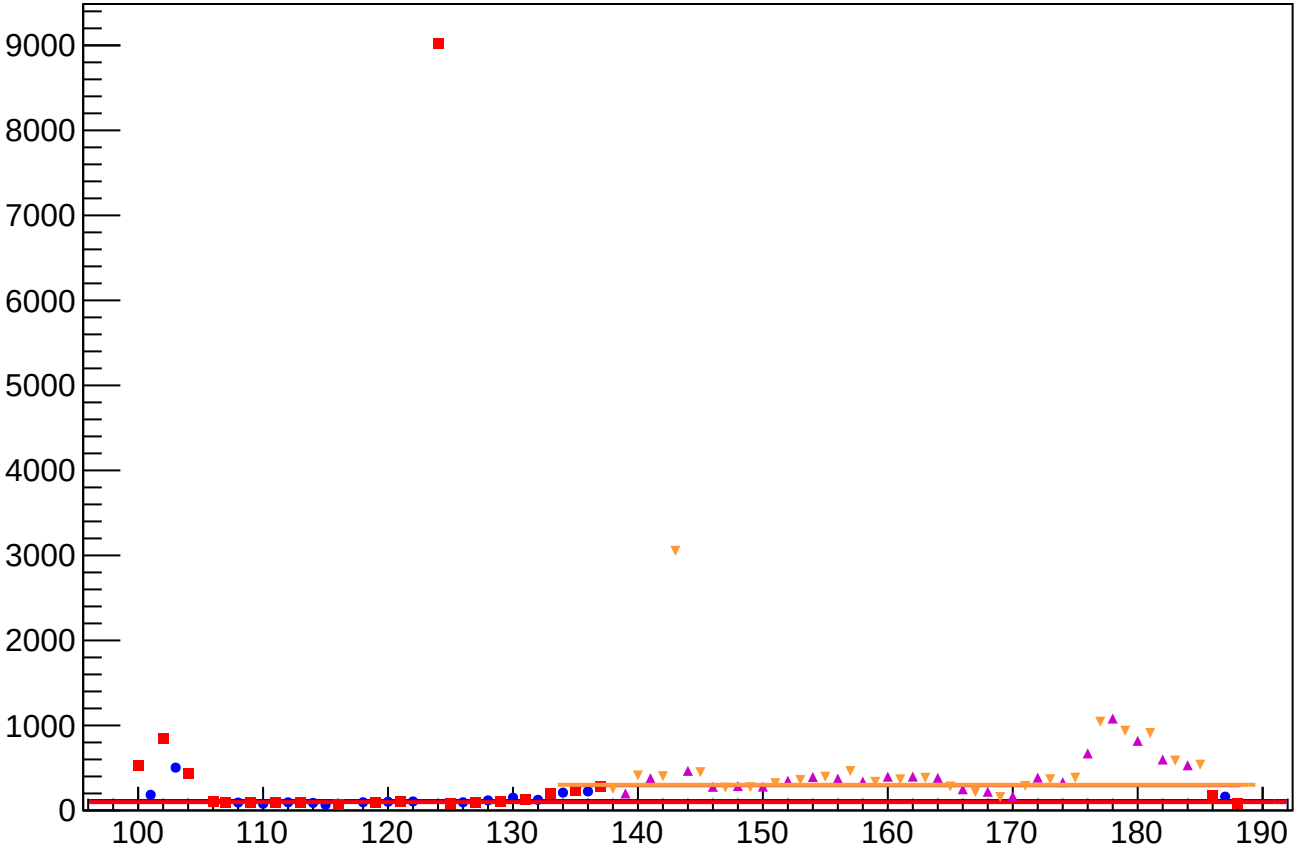
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.034+/-0.039 χ^2/NDF: 39.7/41

All: -0.001+/-0.026 χ^2/NDF: 93.8/85

- sign -0.029+/-0.034 χ^2/NDF: 52.5/43

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 110.720+/-0.032 χ^2/NDF: 1967912.4/16

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

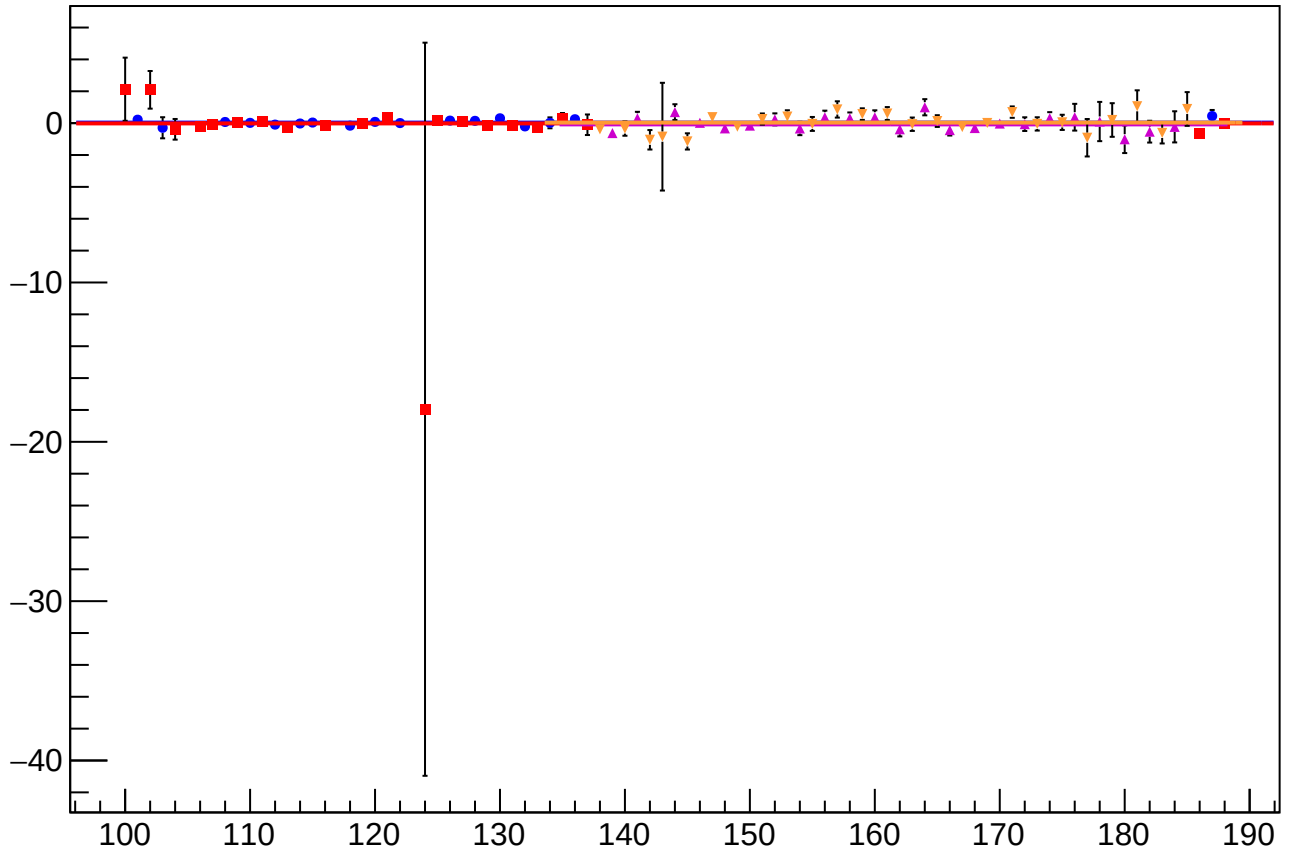
Right Out: 97.816+/-0.027 χ^2/NDF: 2883059.4/20

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 159.389+/-0.027 χ^2/NDF: 17849590.4/41

All: 147.244+/-0.018 χ^2/NDF: 37027364.0/85

- sign 137.934+/-0.024 χ^2/NDF: 18832199.7/43



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

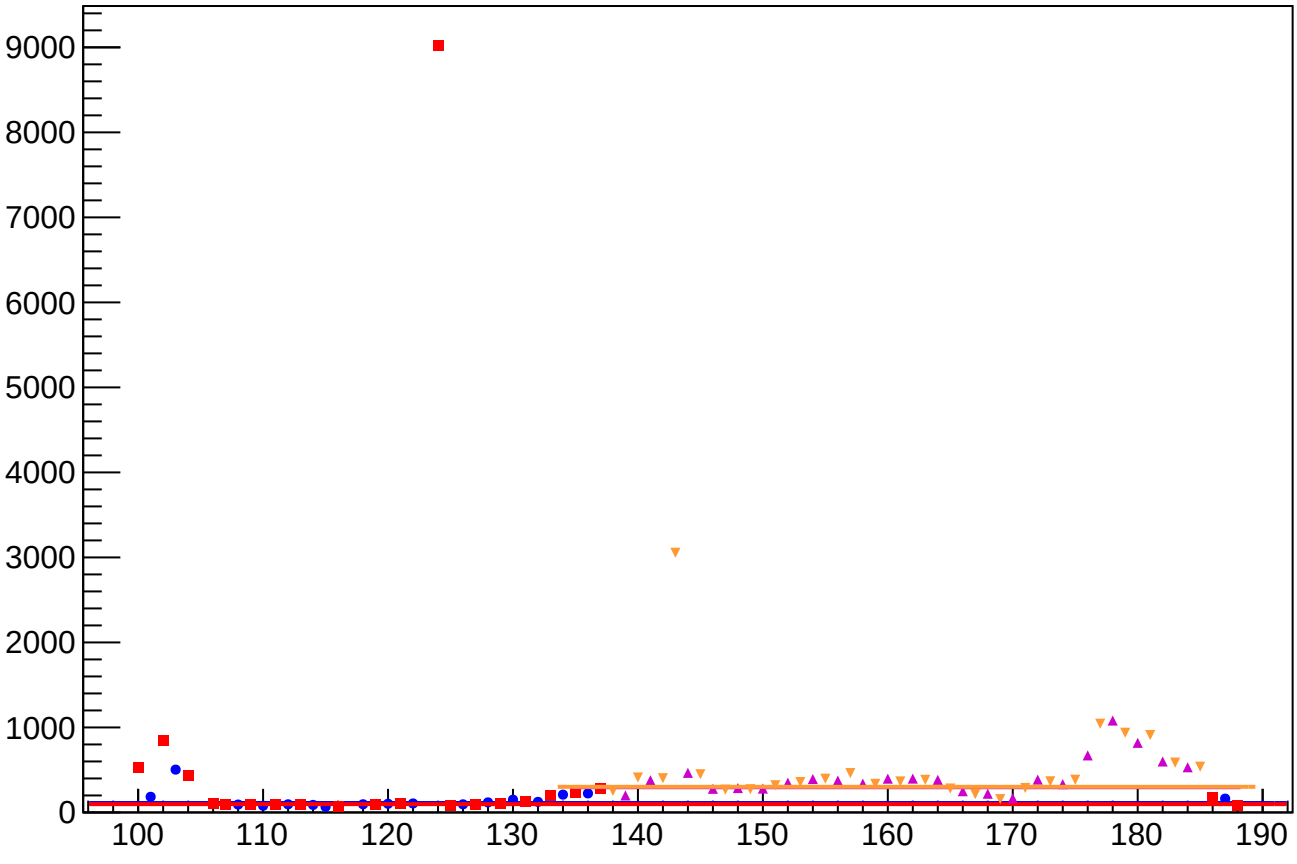
Right Out: -0.017+/-0.038 χ^2/NDF: 27.9/20

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.034+/-0.039 χ^2/NDF: 39.7/41

All: -0.001+/-0.026 χ^2/NDF: 93.8/85

- sign -0.029+/-0.034 χ^2/NDF: 52.5/43



Right In: 110.720+/-0.032 χ^2/NDF: 1967912.4/16

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

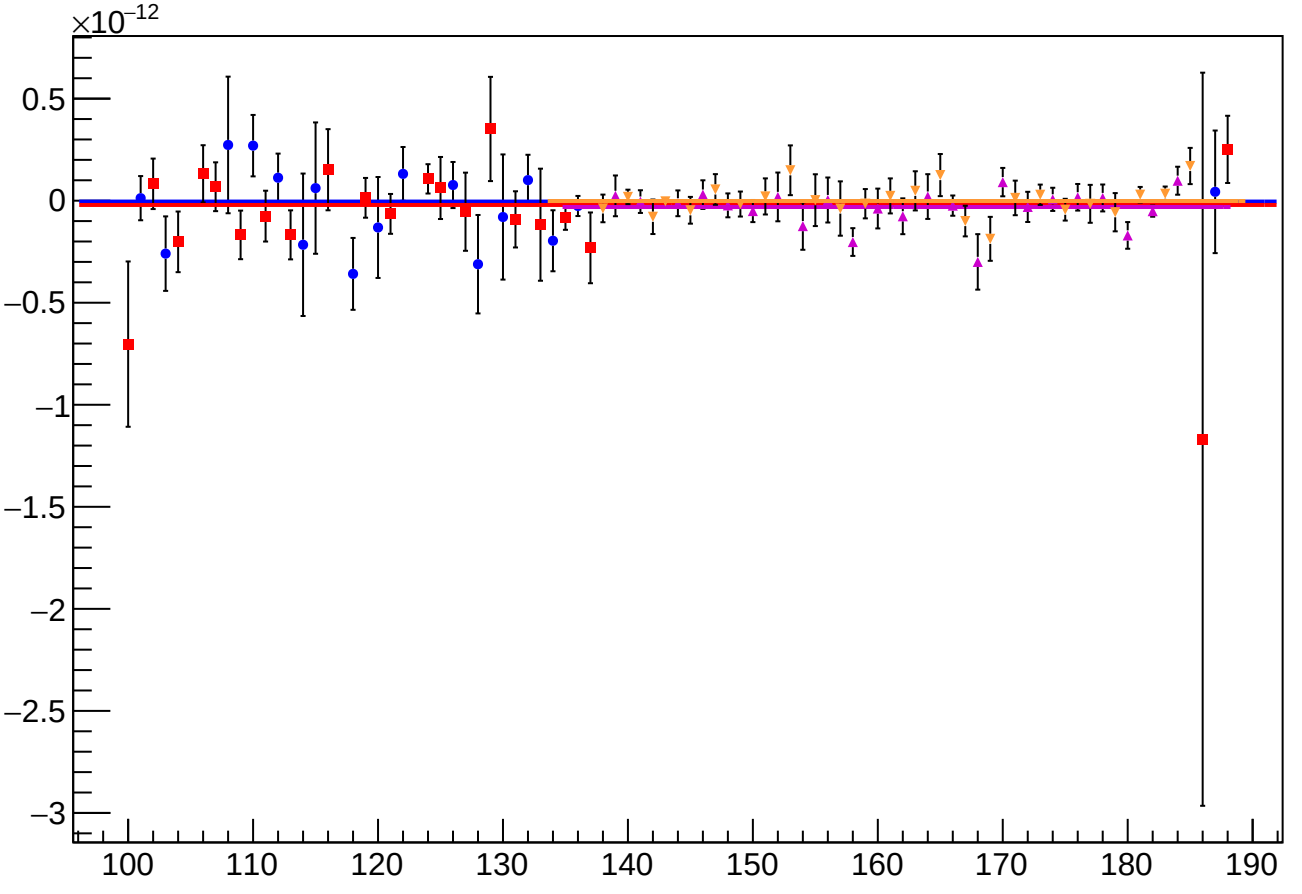
Right Out: 97.816+/-0.027 χ^2/NDF: 2883059.4/20

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 159.389+/-0.027 χ^2/NDF: 17849590.4/41

All: 147.244+/-0.018 χ^2/NDF: 37027364.0/85

- sign 137.934+/-0.024 χ^2/NDF: 18832199.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

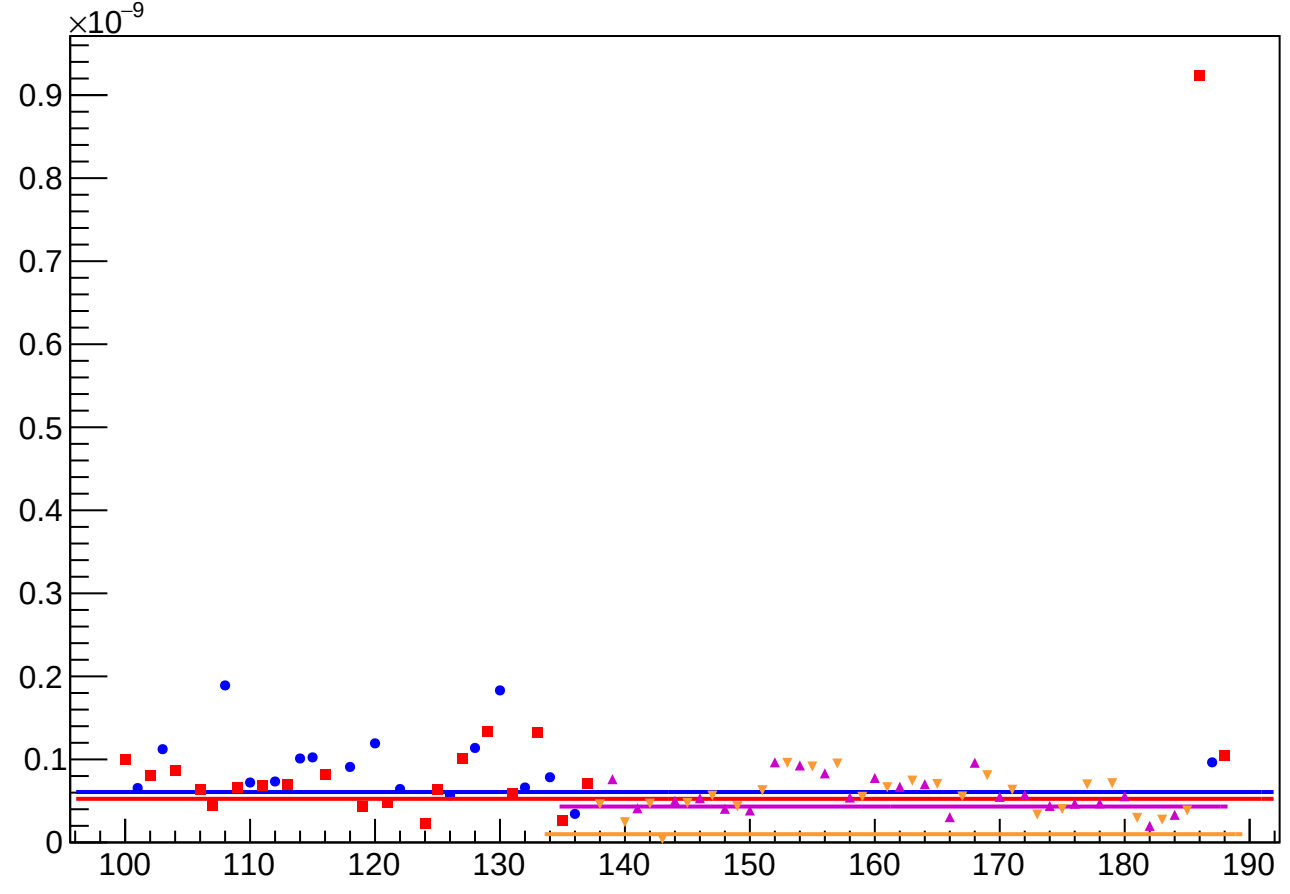
Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/20

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/41

All: -0.000+/-0.000 χ^2/NDF: 89.0/85

- sign -0.000+/-0.000 χ^2/NDF: 49.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1774787.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

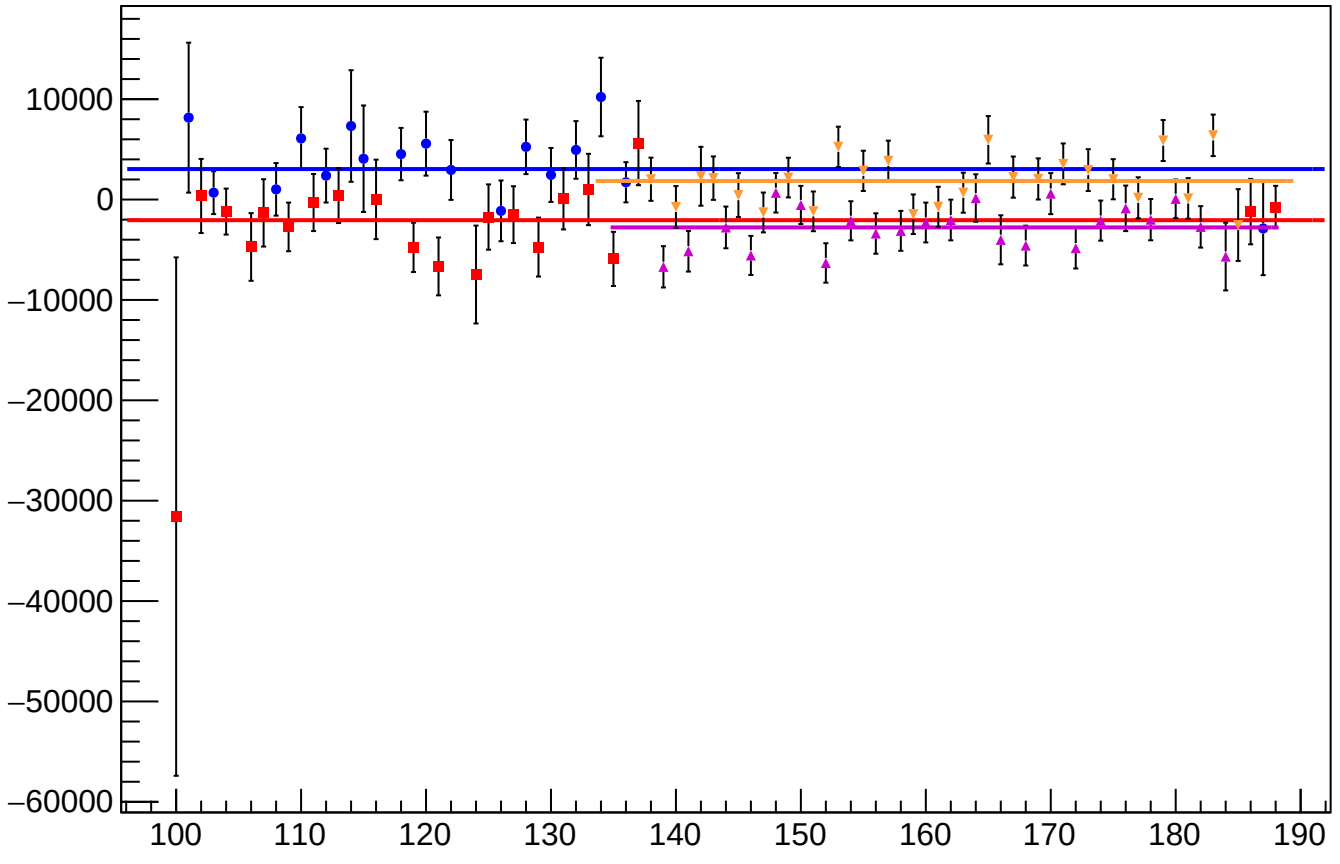
Right Out: 0.000+/-0.000 χ^2/NDF: 2343843.1/20

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 25327734.3/41

All: 0.000+/-0.000 χ^2/NDF: 45544270.0/85

- sign 0.000+/-0.000 χ^2/NDF: 6585922.8/43



Right In: 3037.626+/-722.274 χ^2/NDF: 13.4/16

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2056.353+/-659.750 χ^2/NDF: 17.0/20

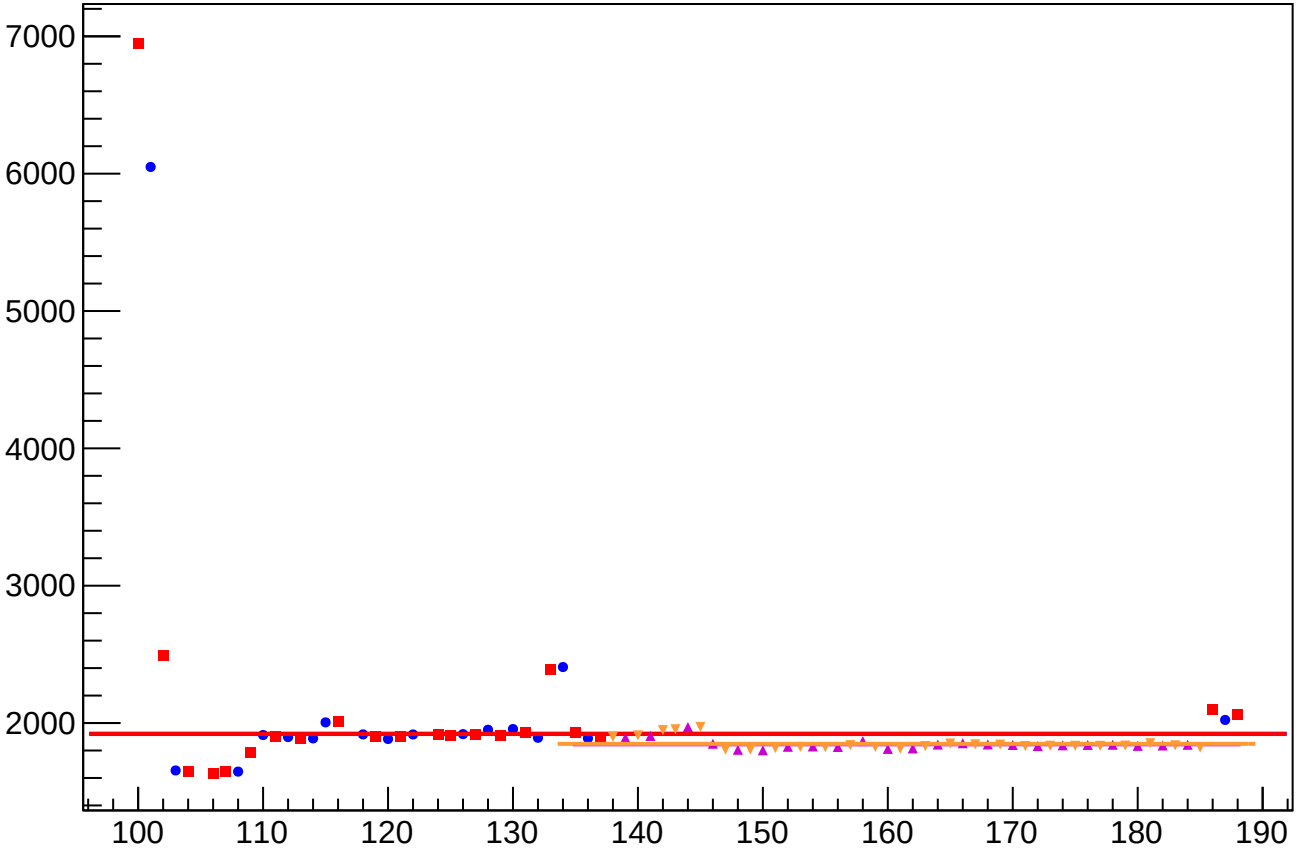
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2151.606+/-363.081 χ^2/NDF: 46.9/41

All: -219.698+/-255.909 χ^2/NDF: 174.9/85

- sign -2560.670+/-360.751 χ^2/NDF: 43.3/43

reg_asym_atr_avg_rms vs Slug



Right In: 1922.302+/-0.511 χ^2/NDF: 698283.0/16

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1919.894+/-0.465 χ^2/NDF: 239806.5/20

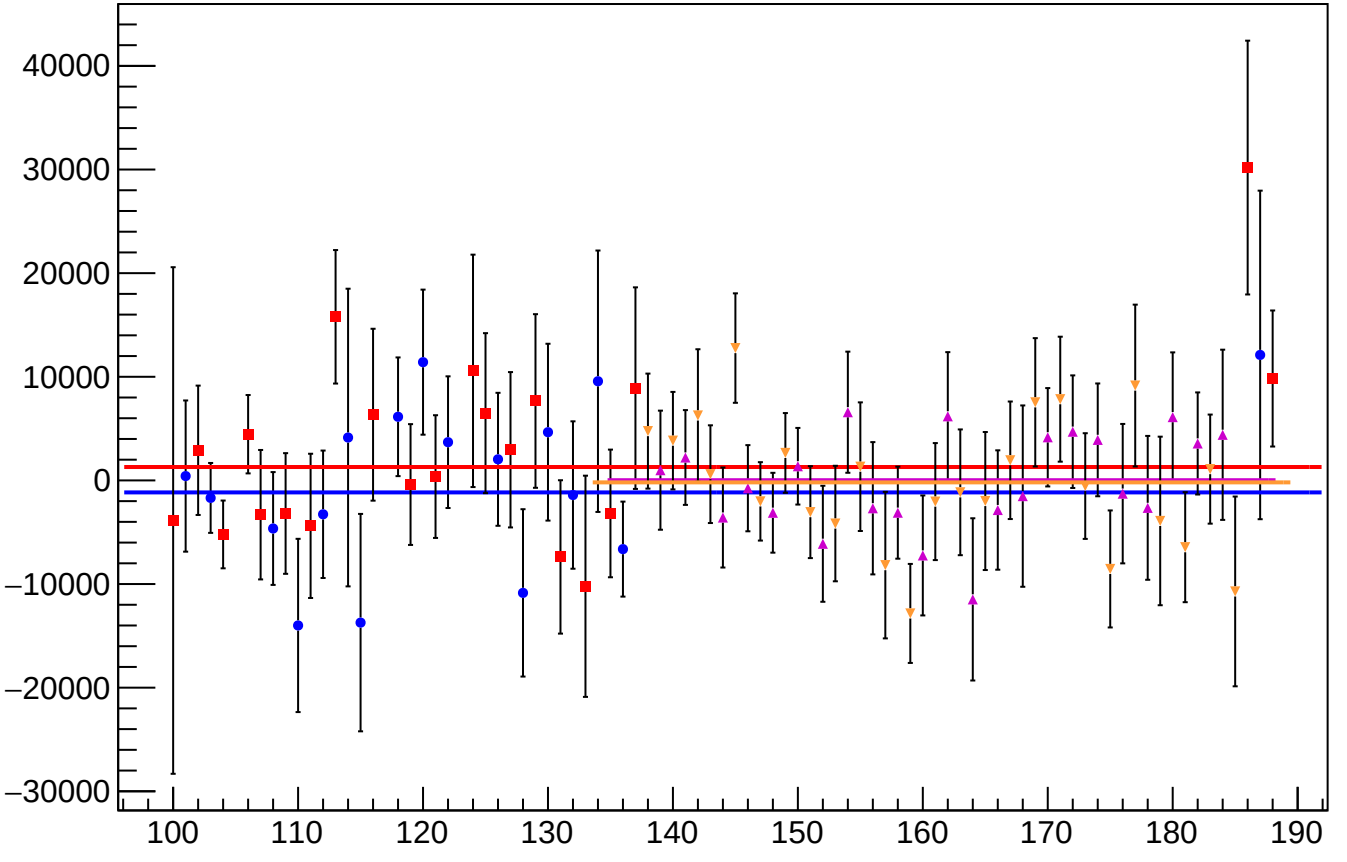
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1867.166+/-0.257 χ^2/NDF: 734765.2/41

All: 1867.349+/-0.181 χ^2/NDF: 1006712.3/85

- sign 1867.529+/-0.255 χ^2/NDF: 271946.1/43

asym_atr_avg_reg_correction_mean vs Slug



Right In: -1157.800+/-1577.563 χ^2/NDF: 15.0/16

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1292.979+/-1395.047 χ^2/NDF: 24.8/20

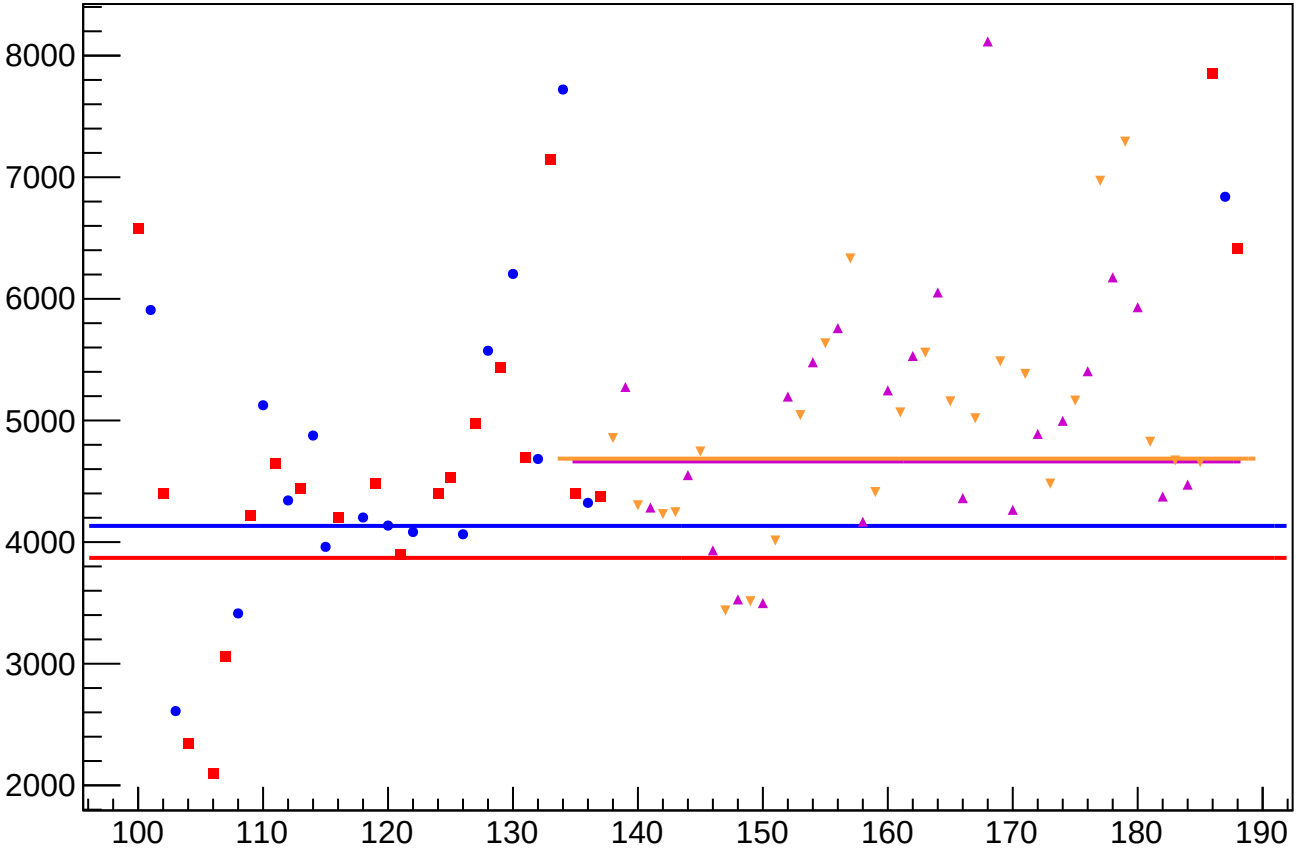
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -501.825+/-895.994 χ^2/NDF: 44.1/41

All: 21.404+/-624.106 χ^2/NDF: 83.9/85

- sign 514.518+/-869.827 χ^2/NDF: 39.1/43

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4133.209+/-1.116 χ^2/NDF: 1014997.8/16

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 3870.254+/-0.986 χ^2/NDF: 1899315.5/20

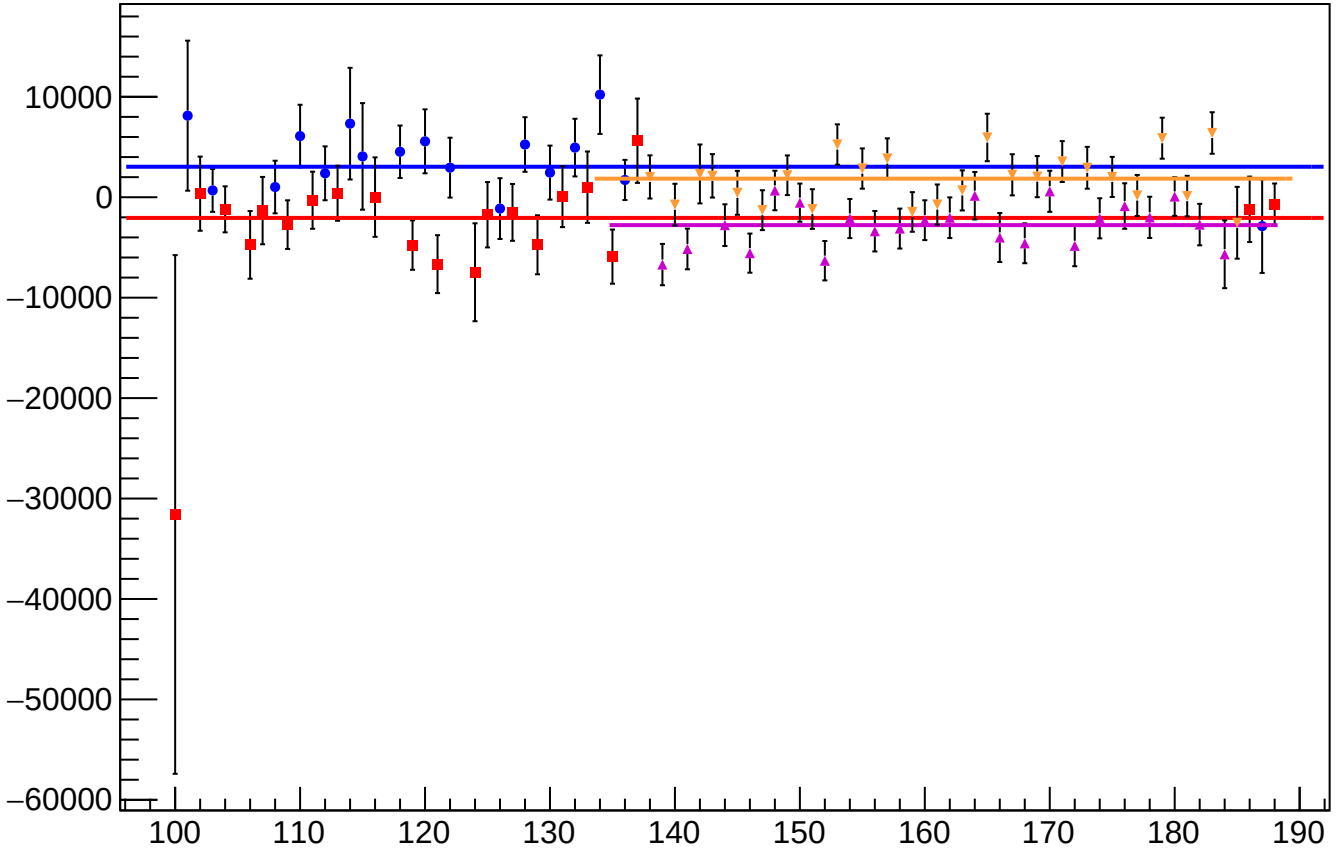
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4507.920+/-0.634 χ^2/NDF: 2366629.5/41

All: 4429.181+/-0.441 χ^2/NDF: 5977699.5/85

- sign 4354.974+/-0.615 χ^2/NDF: 3581068.0/43

cor_asym_atr_avg_mean vs Slug



Right In: 3036.934+/-722.274 χ^2/NDF: 13.4/16

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2057.270+/-659.753 χ^2/NDF: 17.0/20

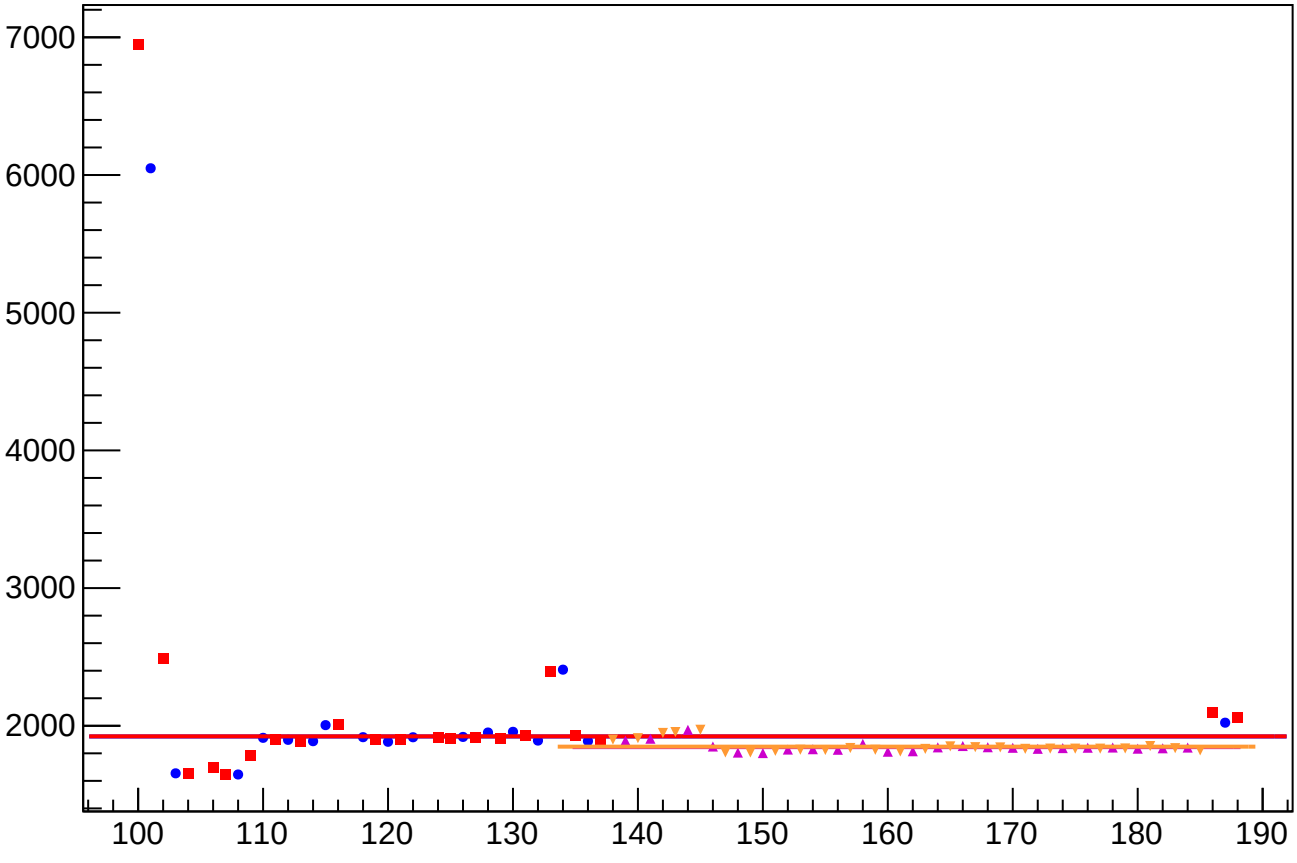
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2151.348+/-363.081 χ^2/NDF: 46.9/41

All: -219.953+/-255.910 χ^2/NDF: 175.0/85

- sign -2560.930+/-360.752 χ^2/NDF: 43.3/43

cor_asym_atr_avg_rms vs Slug



Right In: 1922.302+/-0.511 χ^2/NDF: 698282.1/16

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1923.423+/-0.466 χ^2/NDF: 232404.3/20

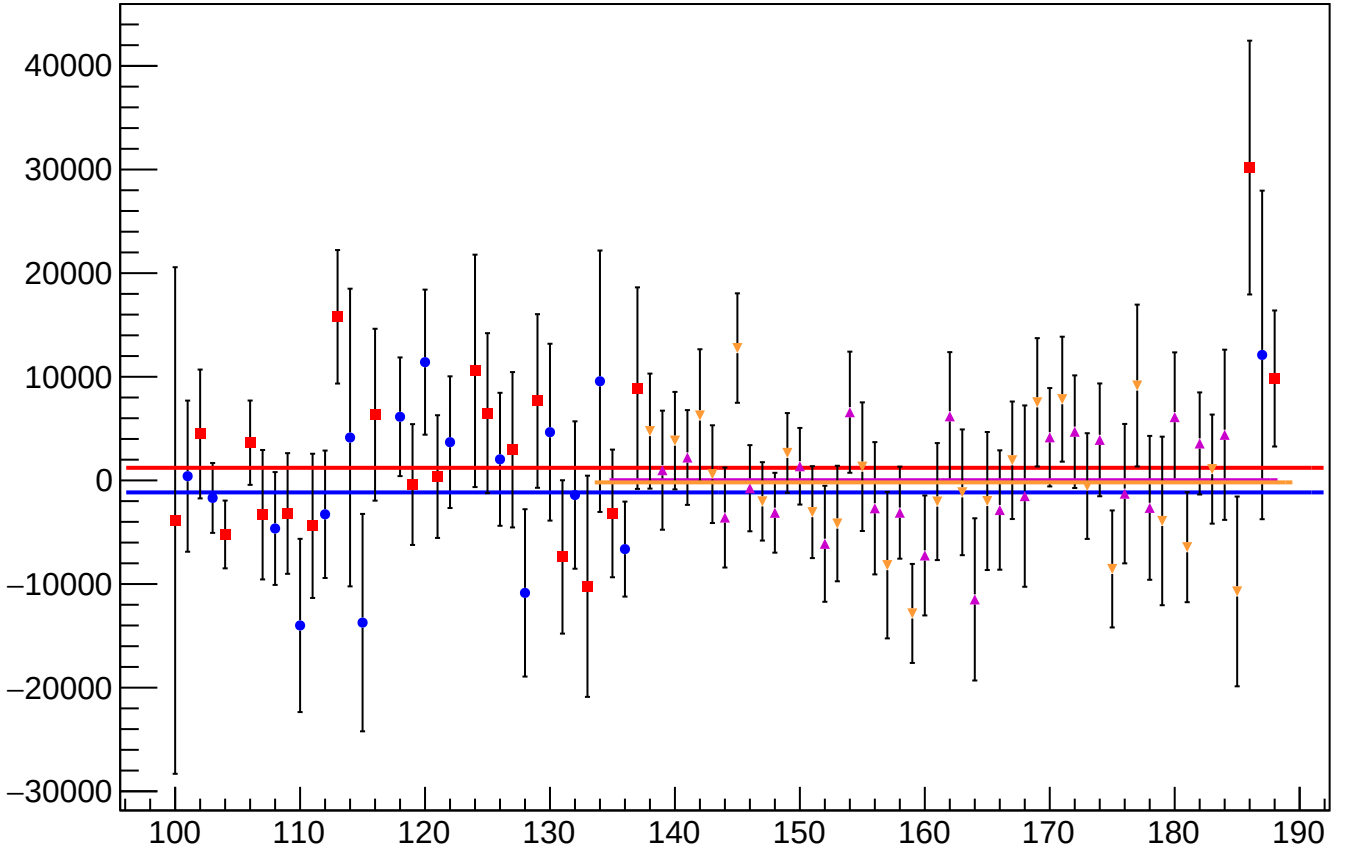
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1867.166+/-0.257 χ^2/NDF: 734764.5/41

All: 1867.855+/-0.181 χ^2/NDF: 1001025.9/85

- sign 1868.535+/-0.255 χ^2/NDF: 266247.1/43

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1158.164+/-1577.565 χ^2/NDF: 15.0/16

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1216.136+/-1407.892 χ^2/NDF: 24.7/20

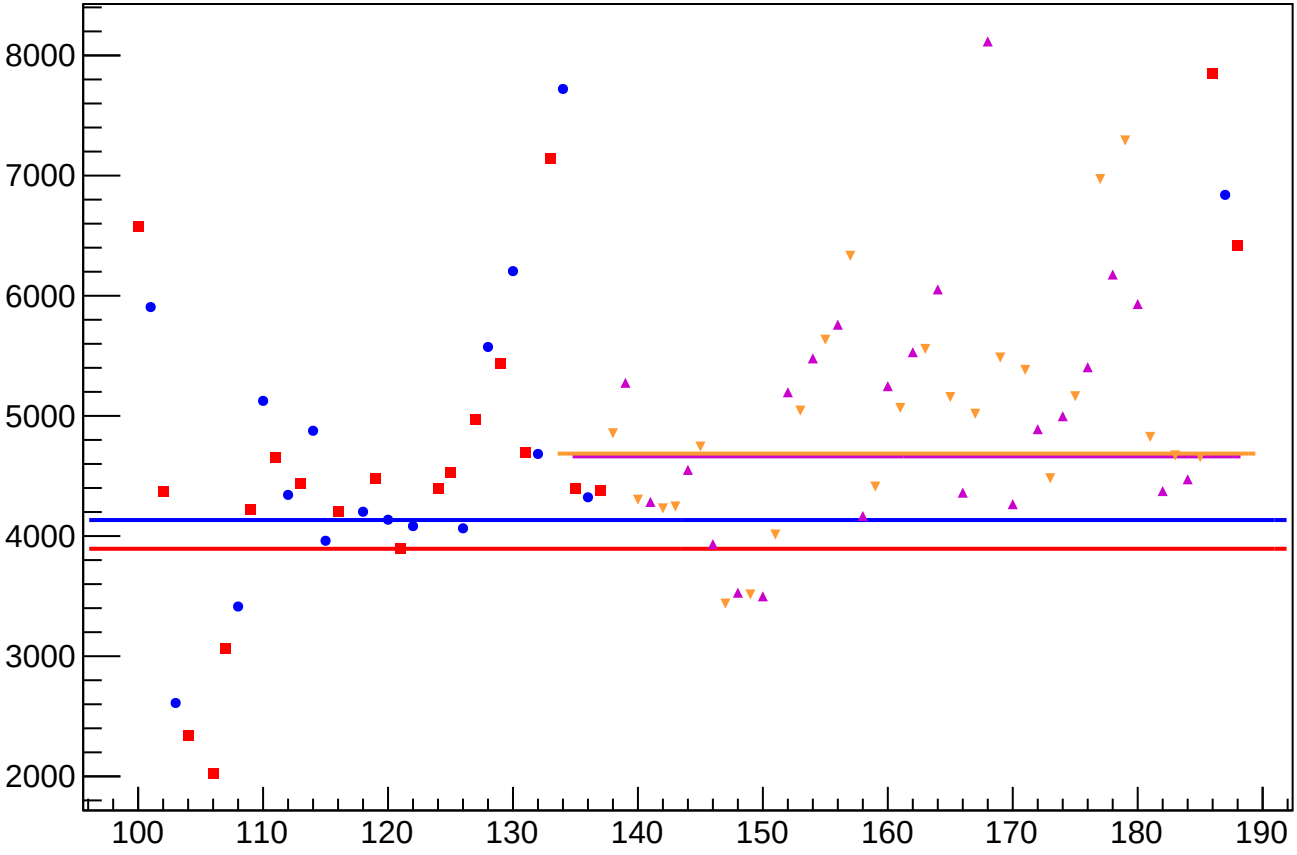
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -501.961+/-895.993 χ^2/NDF: 44.1/41

All: 1.555+/-625.244 χ^2/NDF: 83.6/85

- sign 479.467+/-872.914 χ^2/NDF: 38.8/43

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4133.301+/-1.116 χ^2/NDF: 1014495.9/16

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

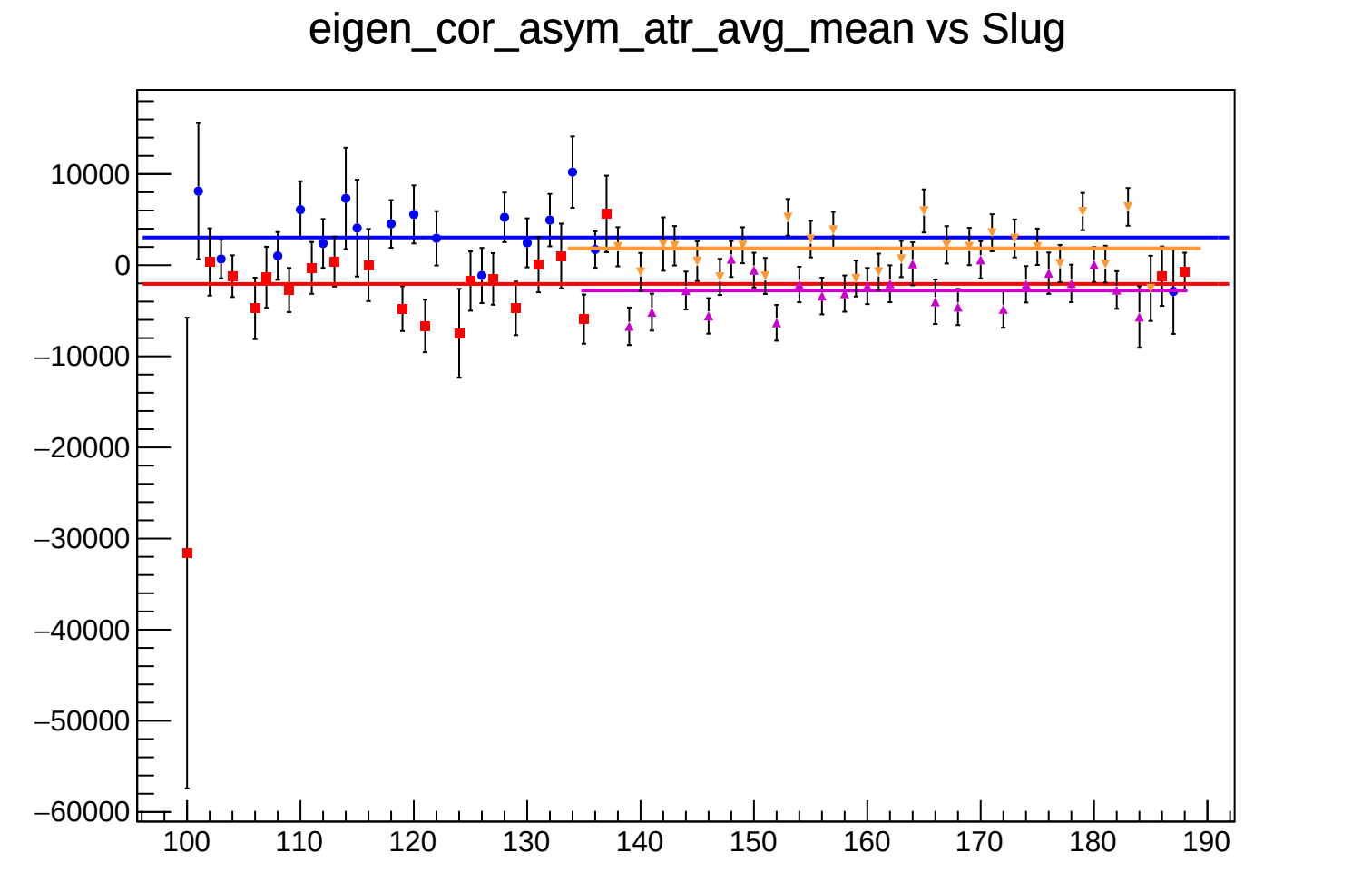
Right Out: 3894.166+/-0.996 χ^2/NDF: 1869698.4/20

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4507.946+/-0.634 χ^2/NDF: 2366092.9/41

All: 4435.949+/-0.442 χ^2/NDF: 5915094.2/85

- sign 4367.614+/-0.617 χ^2/NDF: 3523831.1/43



Right In: 3036.934+/-722.274 χ^2/NDF: 13.4/16

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2057.270+/-659.753 χ^2/NDF: 17.0/20

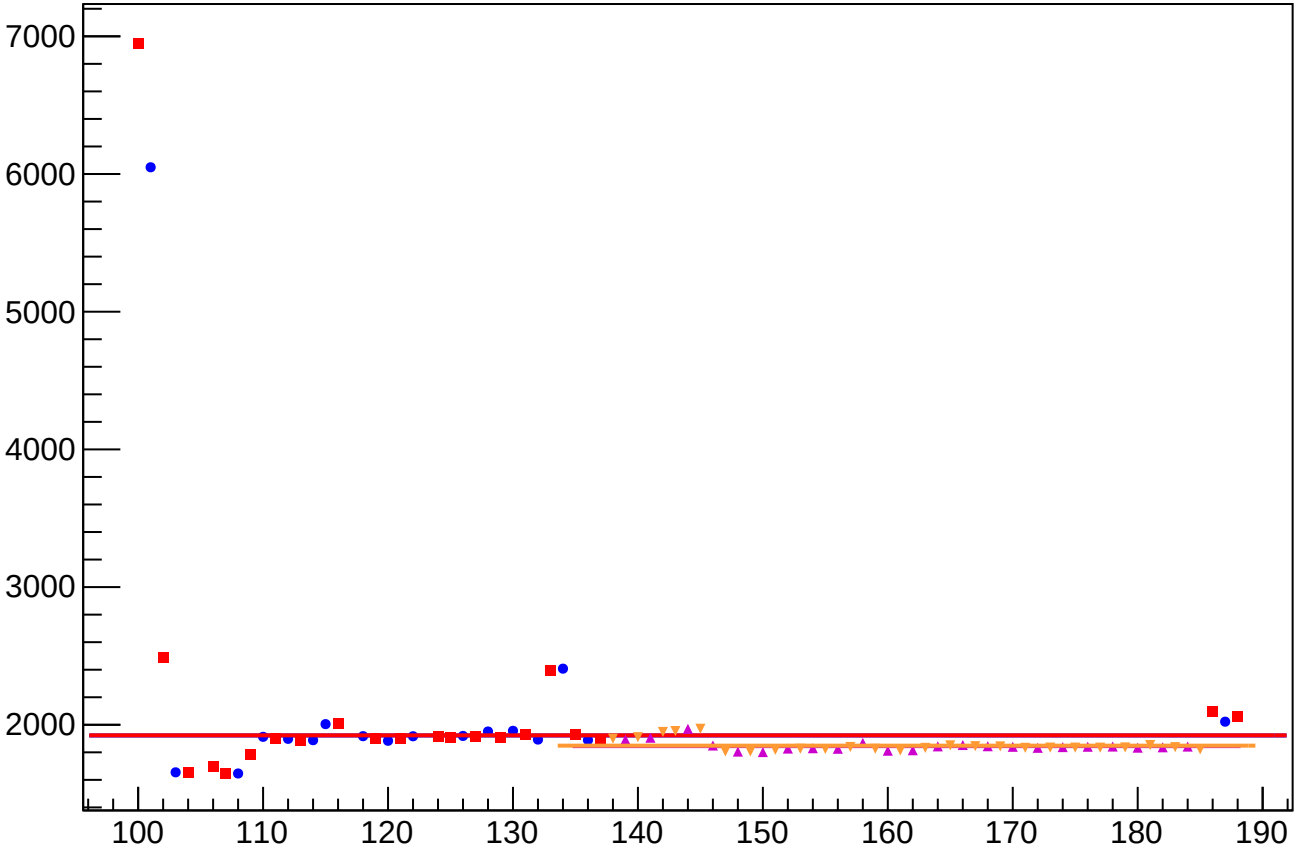
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2151.348+/-363.081 χ^2/NDF: 46.9/41

All: -219.953+/-255.910 χ^2/NDF: 175.0/85

- sign -2560.930+/-360.752 χ^2/NDF: 43.3/43

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1922.302+/-0.511 χ^2/NDF: 698282.1/16

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

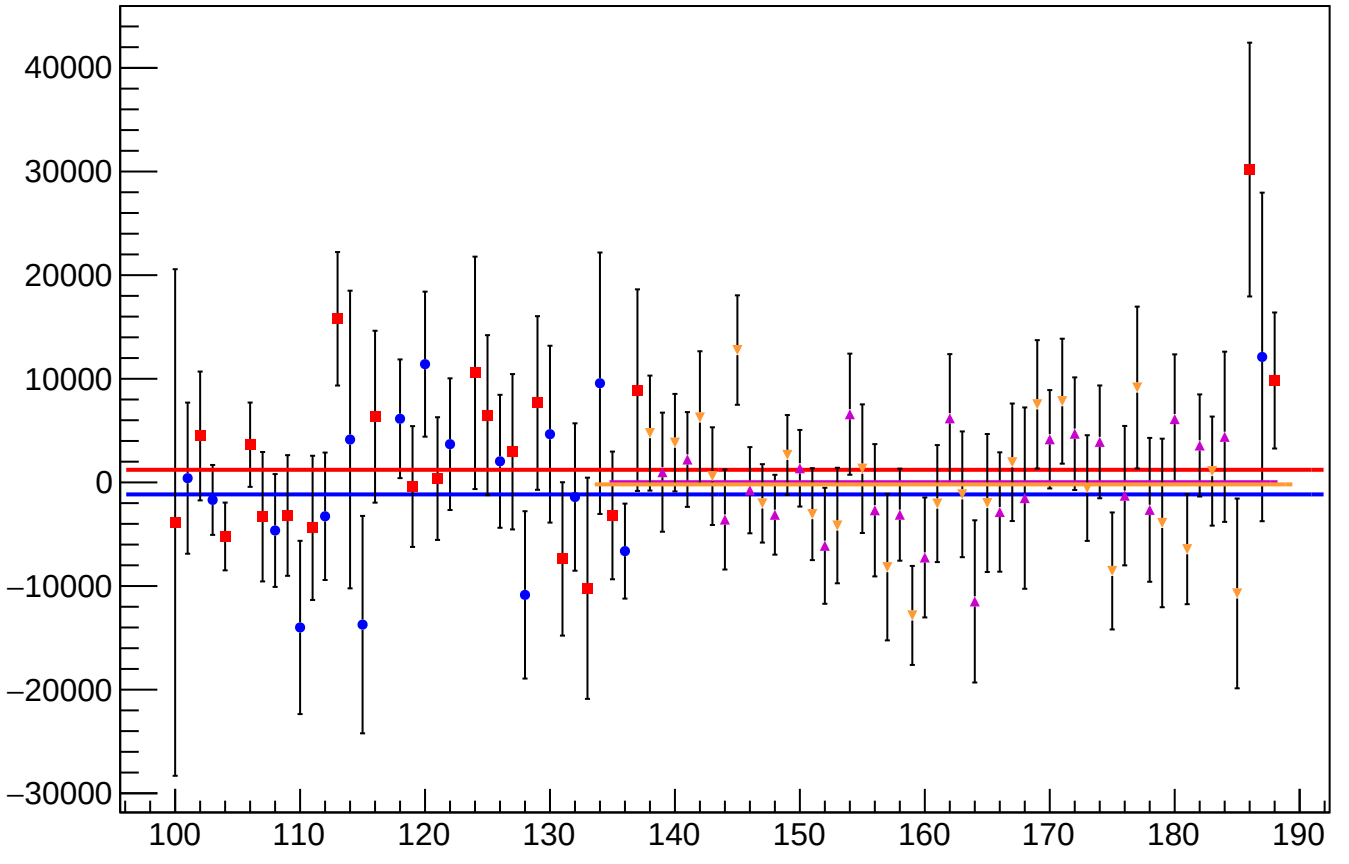
Right Out: 1923.423+/-0.466 χ^2/NDF: 232404.3/20

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1867.166+/-0.257 χ^2/NDF: 734764.5/41

All: 1867.855+/-0.181 χ^2/NDF: 1001025.9/85

- sign 1868.535+/-0.255 χ^2/NDF: 266247.1/43



Right In: -1158.164+/-1577.565 χ^2/NDF: 15.0/16

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1216.136+/-1407.892 χ^2/NDF: 24.7/20

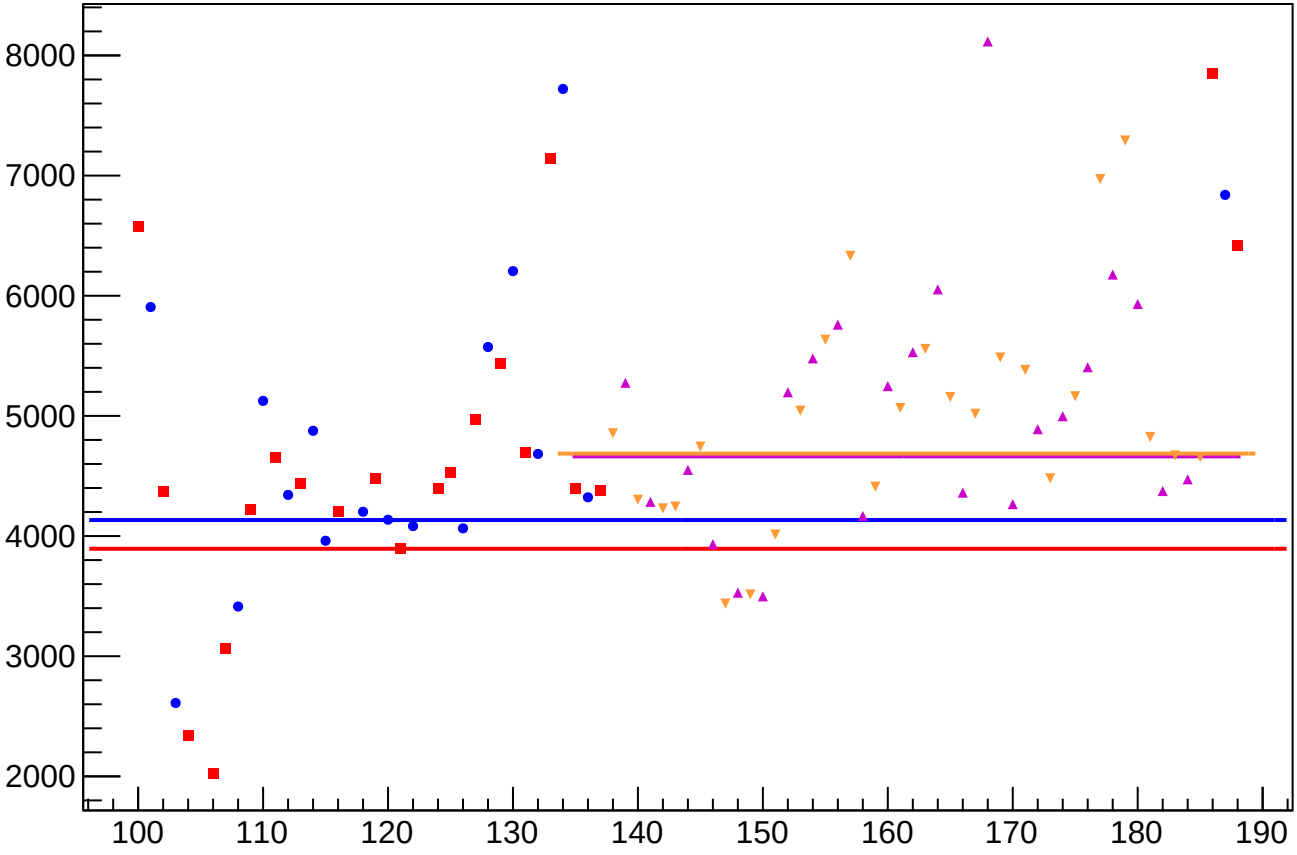
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -501.961+/-895.993 χ^2/NDF: 44.1/41

All: 1.555+/-625.244 χ^2/NDF: 83.6/85

- sign 479.467+/-872.914 χ^2/NDF: 38.8/43

asym_atr_avg_eigen_cor_correction_rms vs Slug



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Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

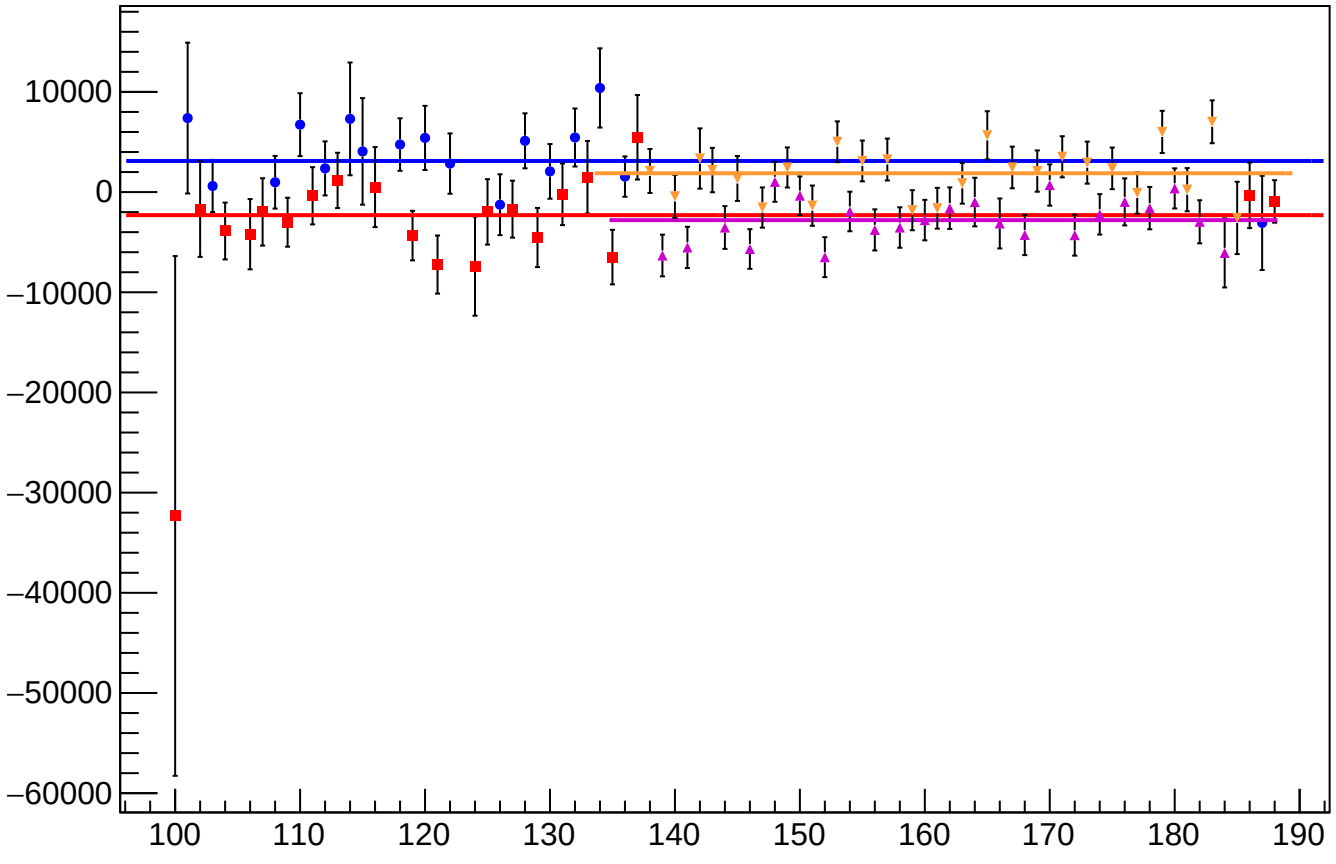
Right Out: 3894.166+/-0.996 χ^2/NDF: 1869698.4/20

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4507.946+/-0.634 χ^2/NDF: 2366092.9/41

All: 4435.949+/-0.442 χ^2/NDF: 5915094.2/85

- sign 4367.614+/-0.617 χ^2/NDF: 3523831.1/43



Right In: 3106.926+/-741.468 χ^2/NDF: 13.9/16

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2302.374+/-679.234 χ^2/NDF: 17.9/20

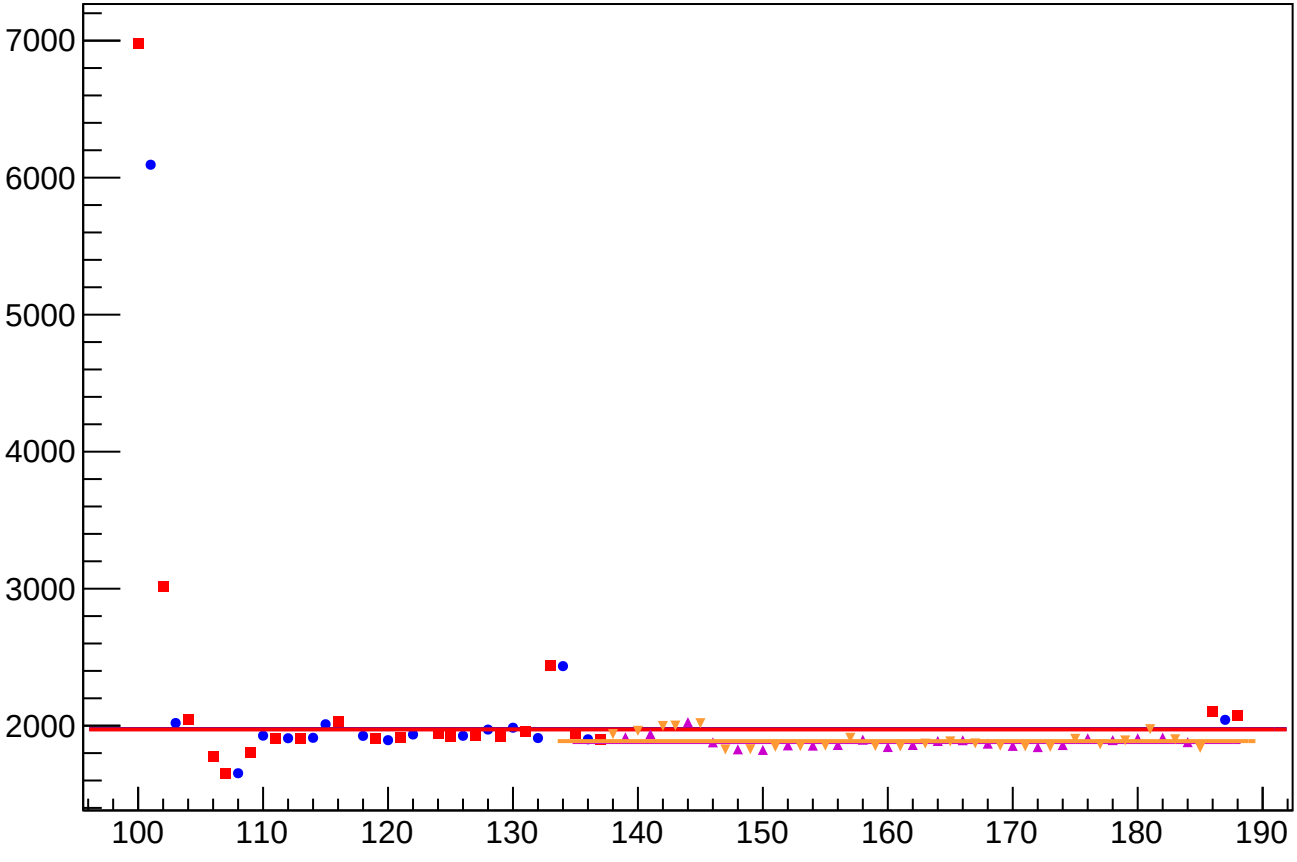
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2188.386+/-371.314 χ^2/NDF: 48.9/41

All: -248.102+/-261.678 χ^2/NDF: 178.2/85

- sign -2652.163+/-368.835 χ^2/NDF: 43.7/43

dit_asym_atr_avg_rms vs Slug



Right In: 1975.468+/-0.524 χ^2/NDF: 665546.2/16

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

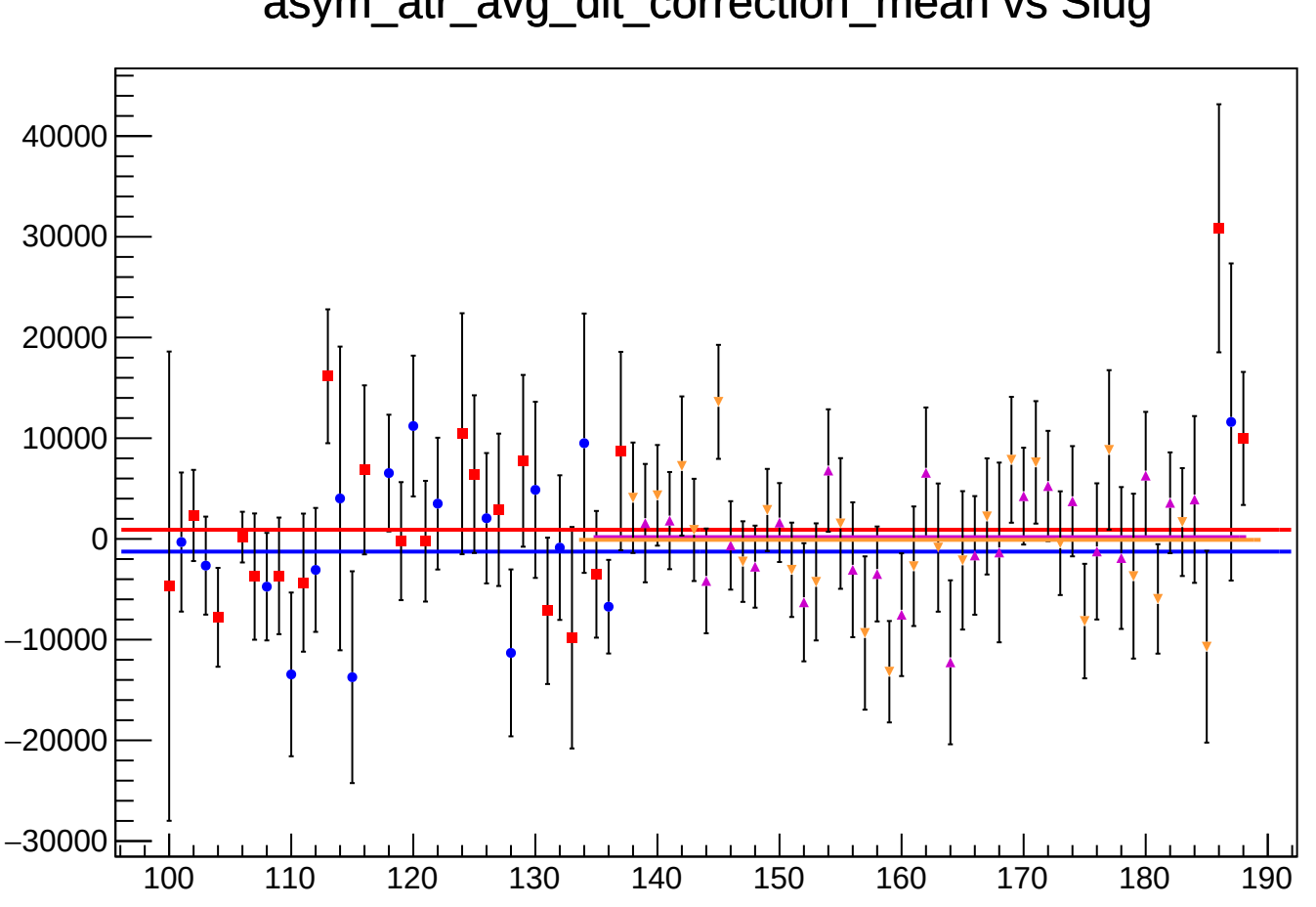
Right Out: 1973.091+/-0.480 χ^2/NDF: 255314.8/20

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1909.595+/-0.263 χ^2/NDF: 718571.7/41

All: 1908.733+/-0.185 χ^2/NDF: 1019136.6/85

- sign 1907.884+/-0.261 χ^2/NDF: 300543.5/43



Right In: -1259.105+/-1680.337 χ^2/NDF: 14.9/16

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 908.674+/-1327.700 χ^2/NDF: 23.9/20

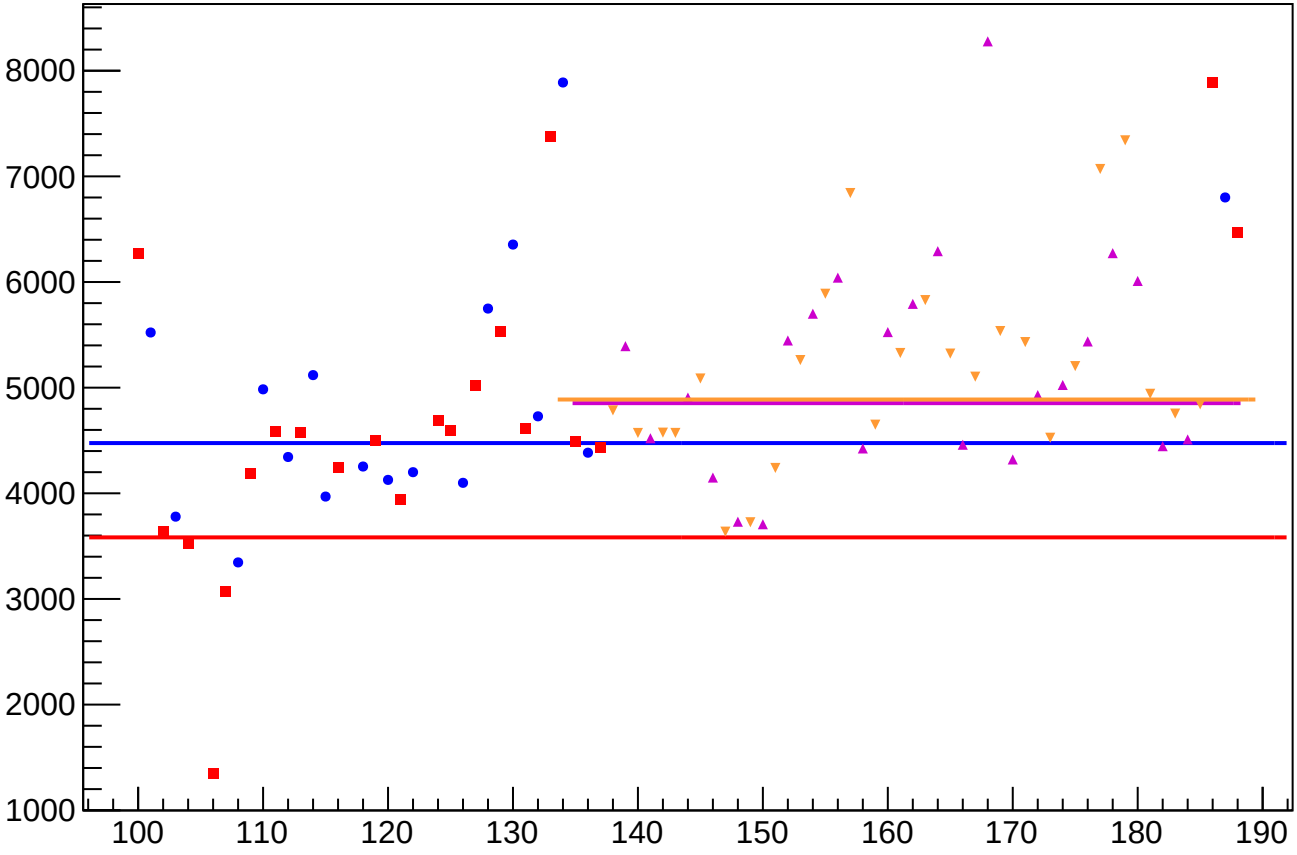
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -456.799+/-939.537 χ^2/NDF: 43.3/41

All: 53.313+/-639.089 χ^2/NDF: 81.5/85

- sign 492.593+/-871.869 χ^2/NDF: 37.6/43

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4475.495+/-1.188 χ^2/NDF: 538722.7/16

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

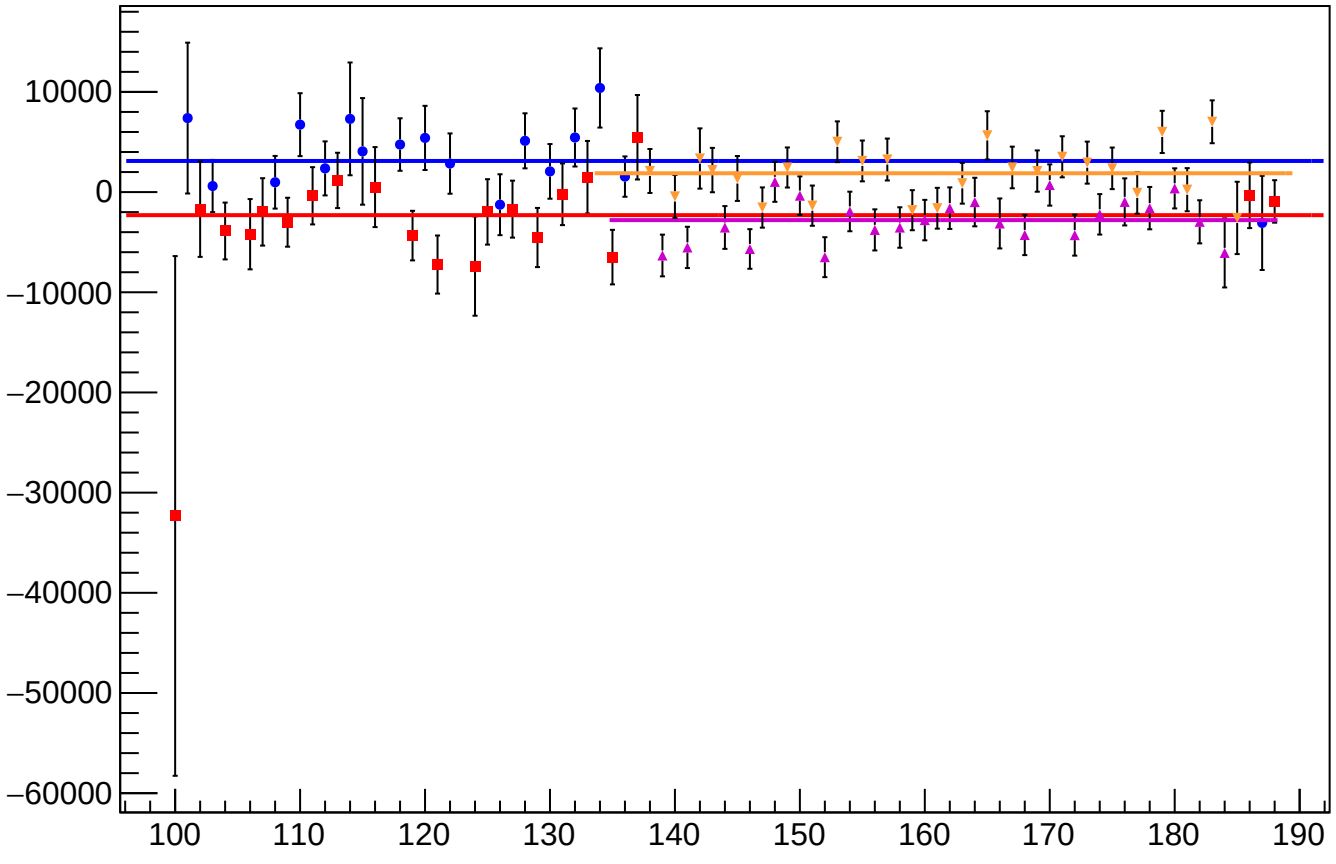
Right Out: 3582.804+/-0.939 χ^2/NDF: 2984827.9/20

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4758.916+/-0.664 χ^2/NDF: 1684798.3/41

All: 4515.276+/-0.452 χ^2/NDF: 7140317.6/85

- sign 4305.468+/-0.617 χ^2/NDF: 5205209.8/43



Right In: 3106.931+/-741.468 χ^2/NDF: 13.9/16

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2302.378+/-679.234 χ^2/NDF: 17.9/20

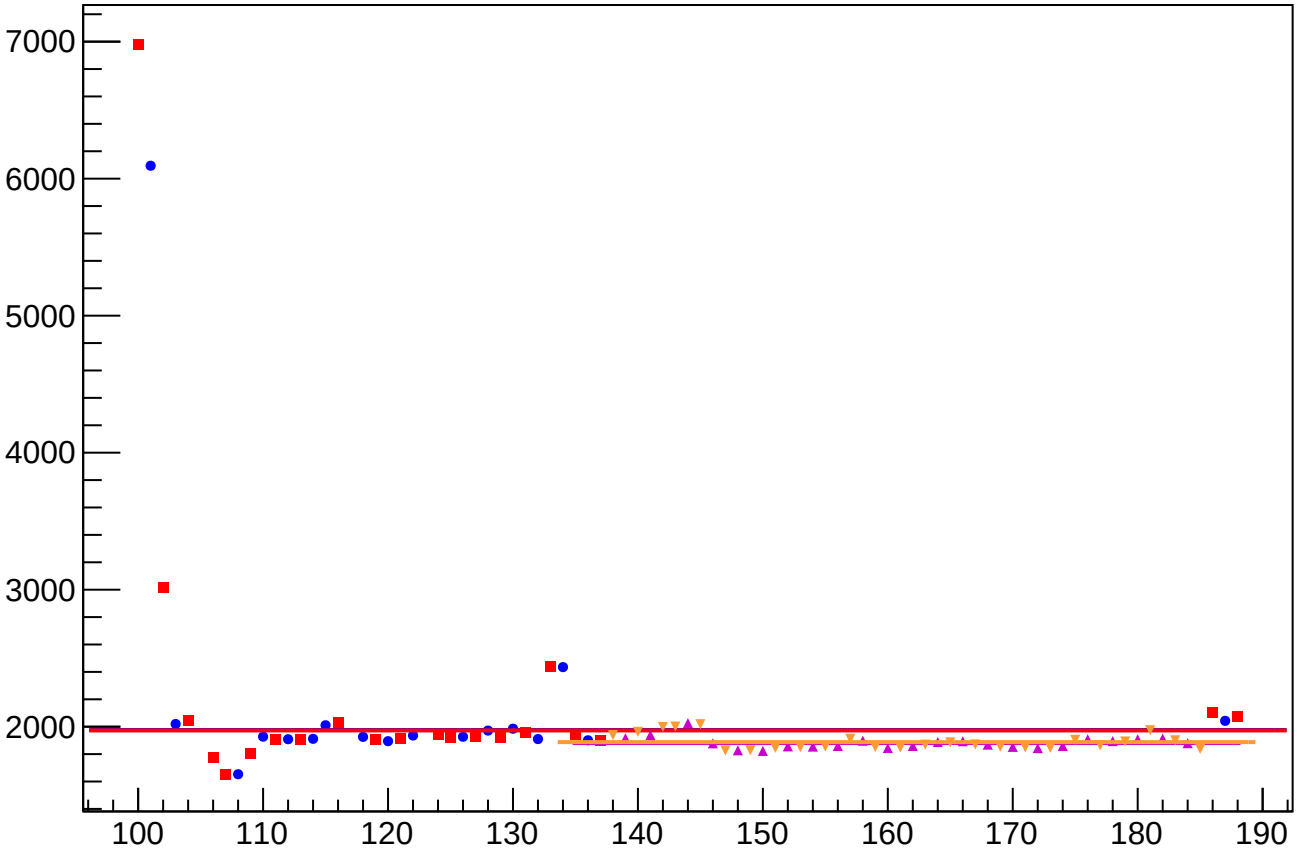
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2188.384+/-371.314 χ^2/NDF: 48.9/41

All: -248.104+/-261.678 χ^2/NDF: 178.2/85

- sign -2652.164+/-368.835 χ^2/NDF: 43.7/43

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1975.468+/-0.524 χ^2/NDF: 665546.2/16

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

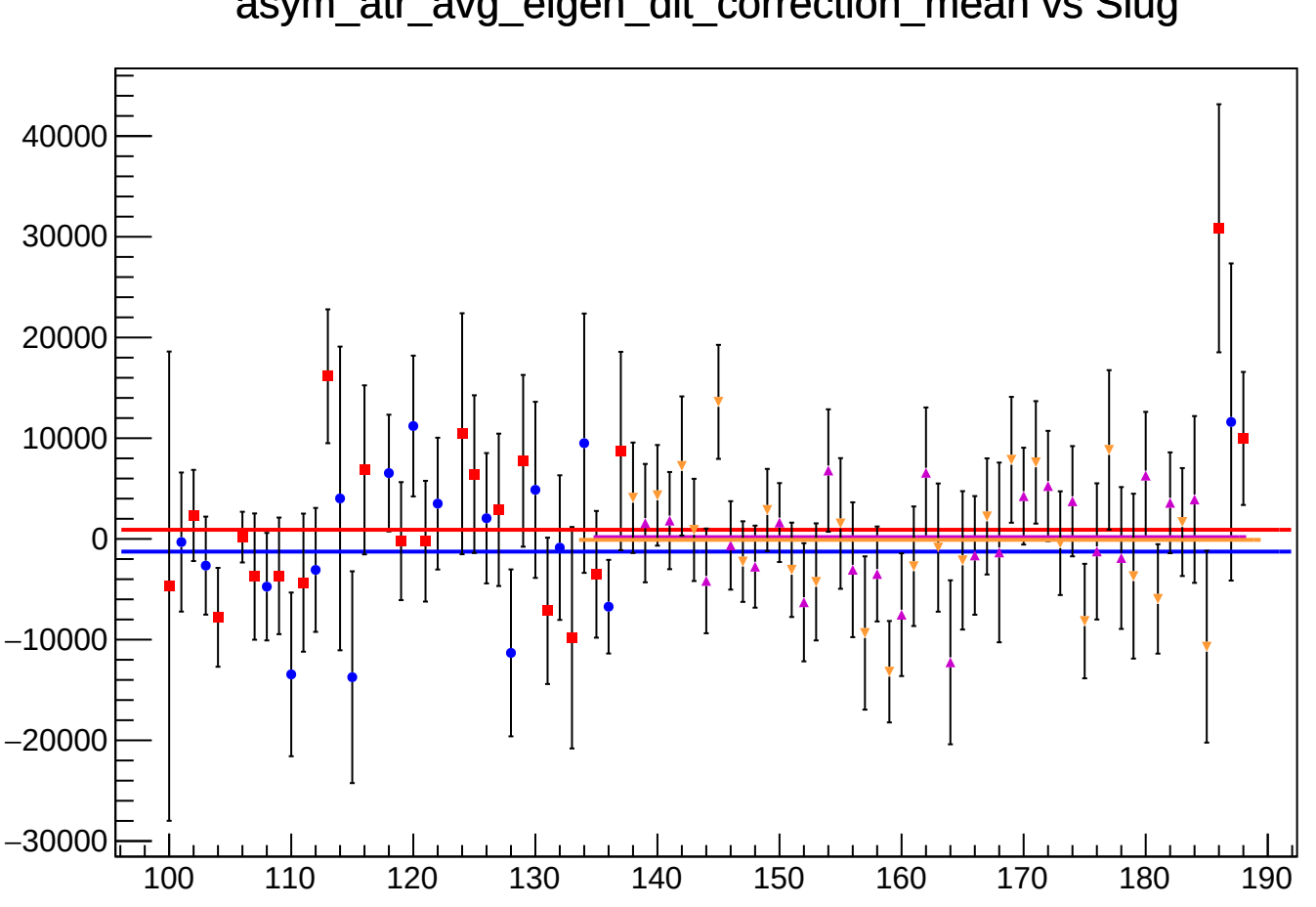
Right Out: 1973.091+/-0.480 χ^2/NDF: 255314.3/20

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1909.595+/-0.263 χ^2/NDF: 718571.2/41

All: 1908.734+/-0.185 χ^2/NDF: 1019135.1/85

- sign 1907.884+/-0.261 χ^2/NDF: 300542.5/43



Right In: -1259.087+/-1680.334 χ^2/NDF: 14.9/16

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

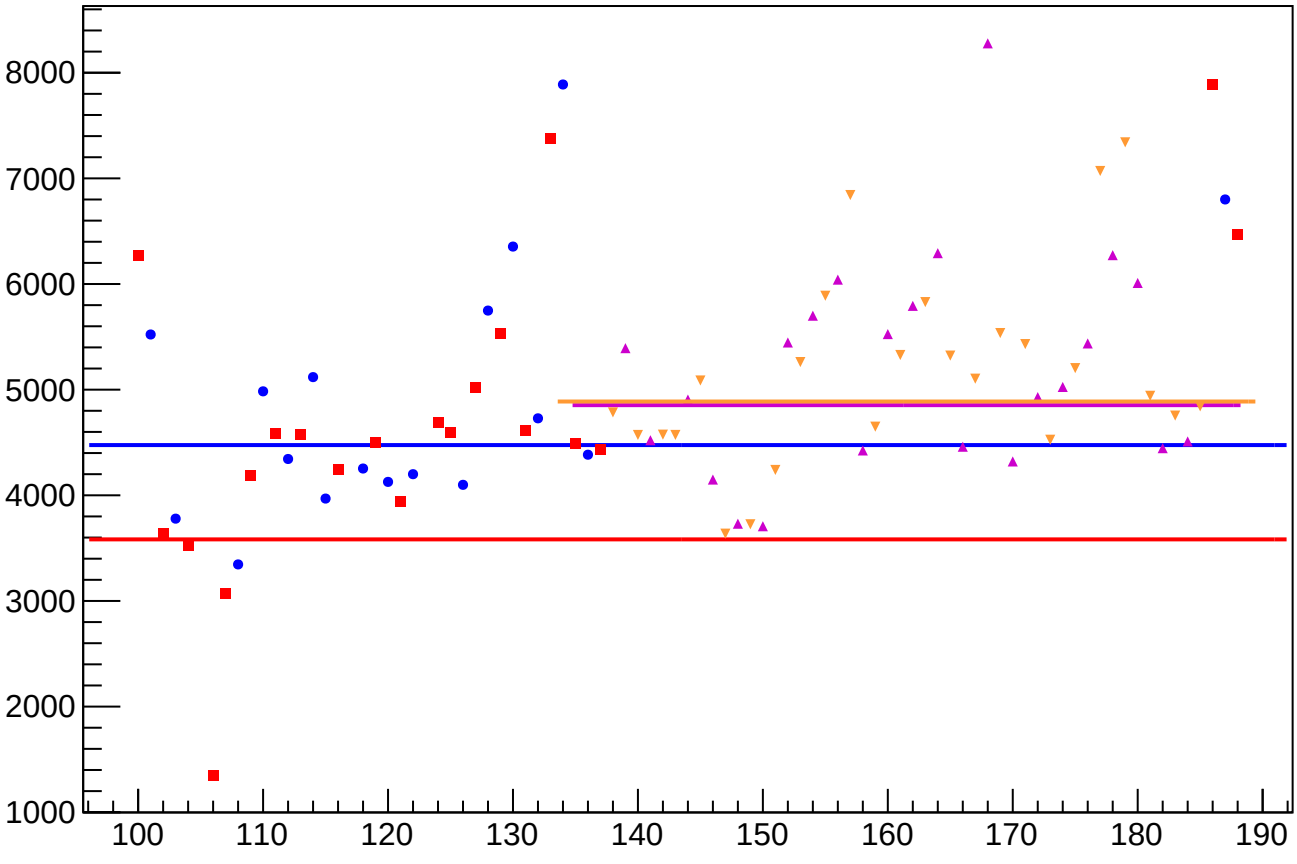
Right Out: 908.672+/-1327.698 χ^2/NDF: 23.9/20

Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

\+ sign -456.797+/-939.537 χ^2/NDF: 43.3/41

All: 53.315+/-639.089 χ^2/NDF: 81.5/85

\- sign 492.595+/-871.869 χ^2/NDF: 37.6/43



Right In: 4475.488+/-1.188 χ^2/NDF: 538720.3/16

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 3582.795+/-0.939 χ^2/NDF: 2984836.1/20

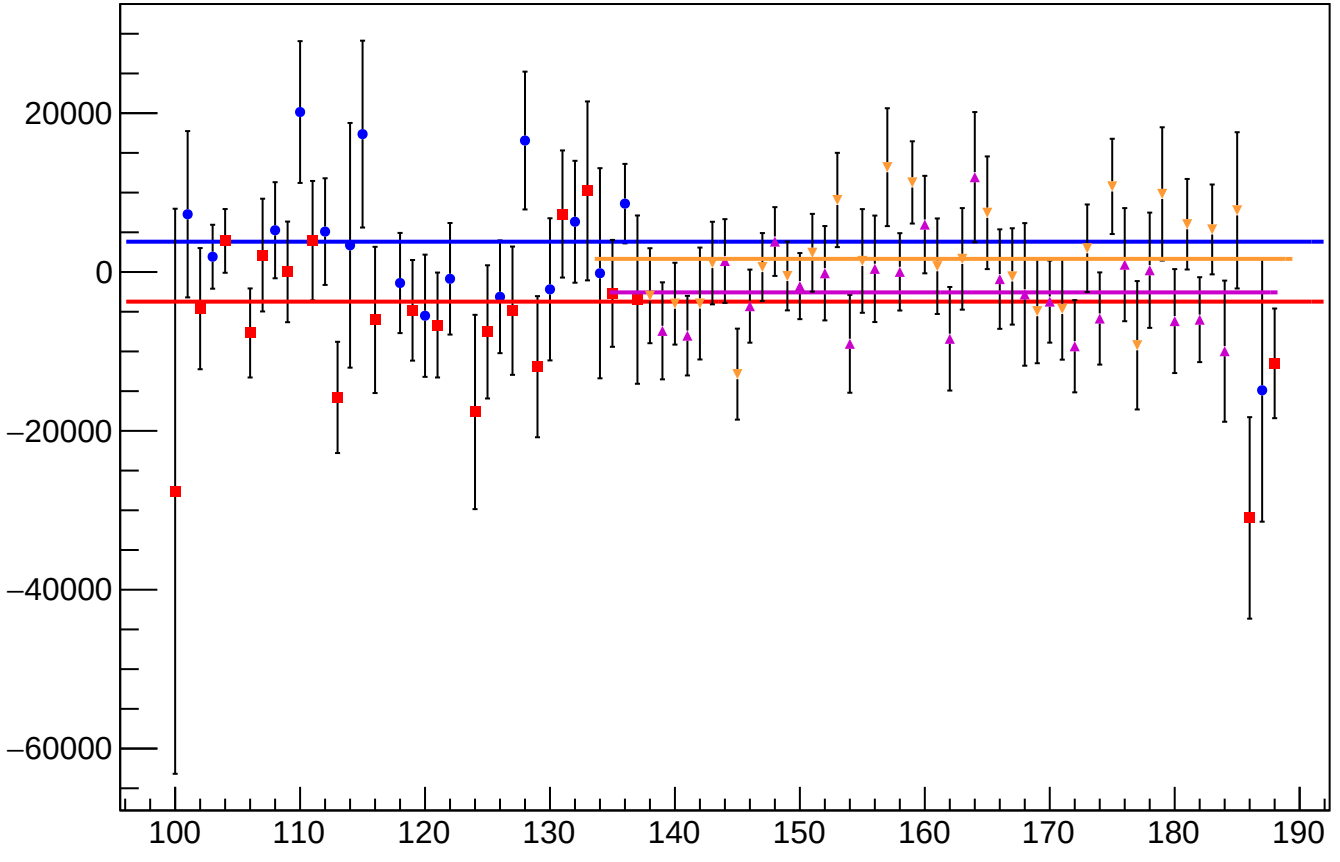
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4758.918+/-0.664 χ^2/NDF: 1684803.5/41

All: 4515.276+/-0.452 χ^2/NDF: 7140364.9/85

- sign 4305.466+/-0.617 χ^2/NDF: 5205247.4/43

asym_atr_avg_mean vs Slug



Right In: 3817.578+/-1771.784 χ^2/NDF: 13.6/16

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

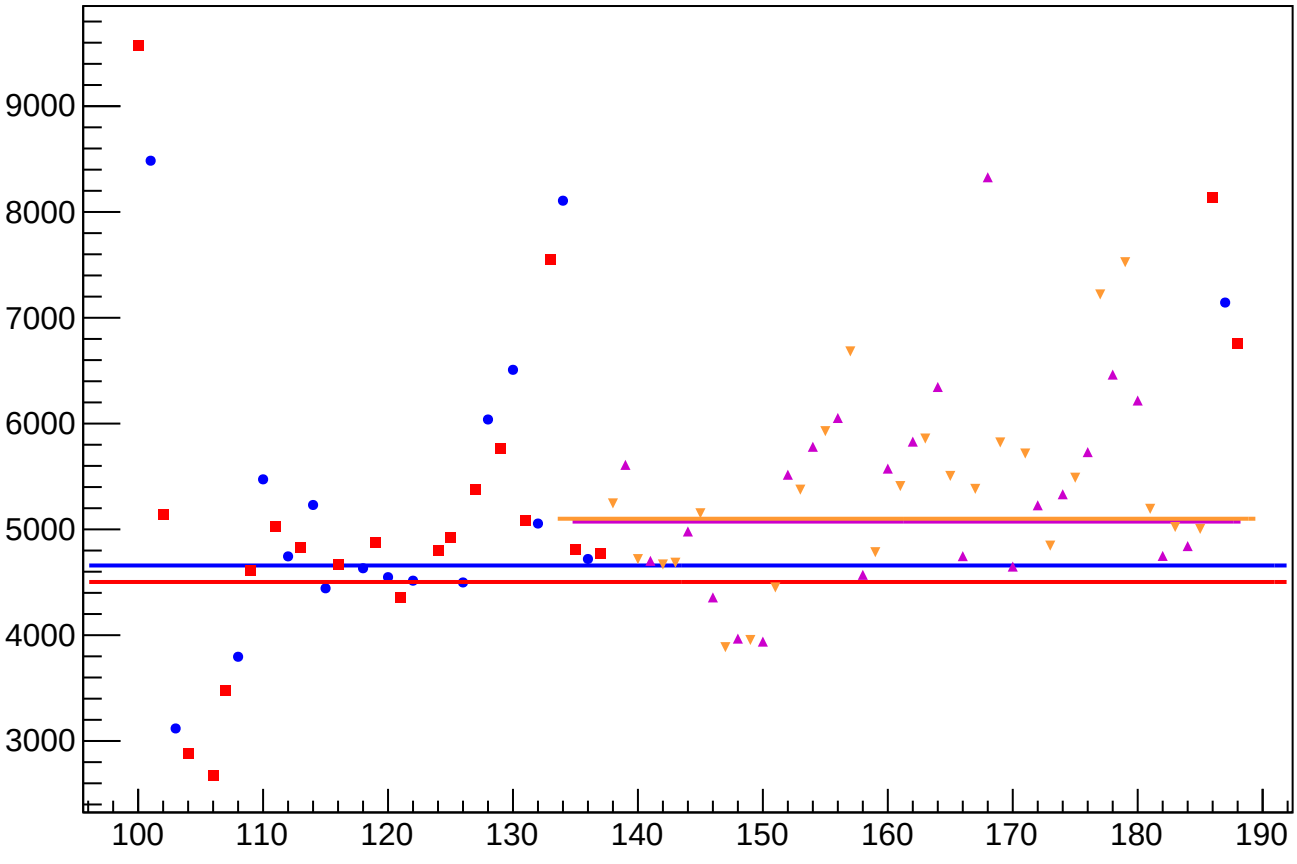
Right Out: -3729.268+/-1611.739 χ^2/NDF: 21.6/20

Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2318.163+/-981.346 χ^2/NDF: 40.6/41

All: -376.597+/-687.995 χ^2/NDF: 93.4/85

- sign -2981.306+/-964.810 χ^2/NDF: 37.9/43



Right In: 4658.793+/-1.253 χ^2/NDF: 945884.4/16

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4502.879+/-1.130 χ^2/NDF: 1307808.1/20

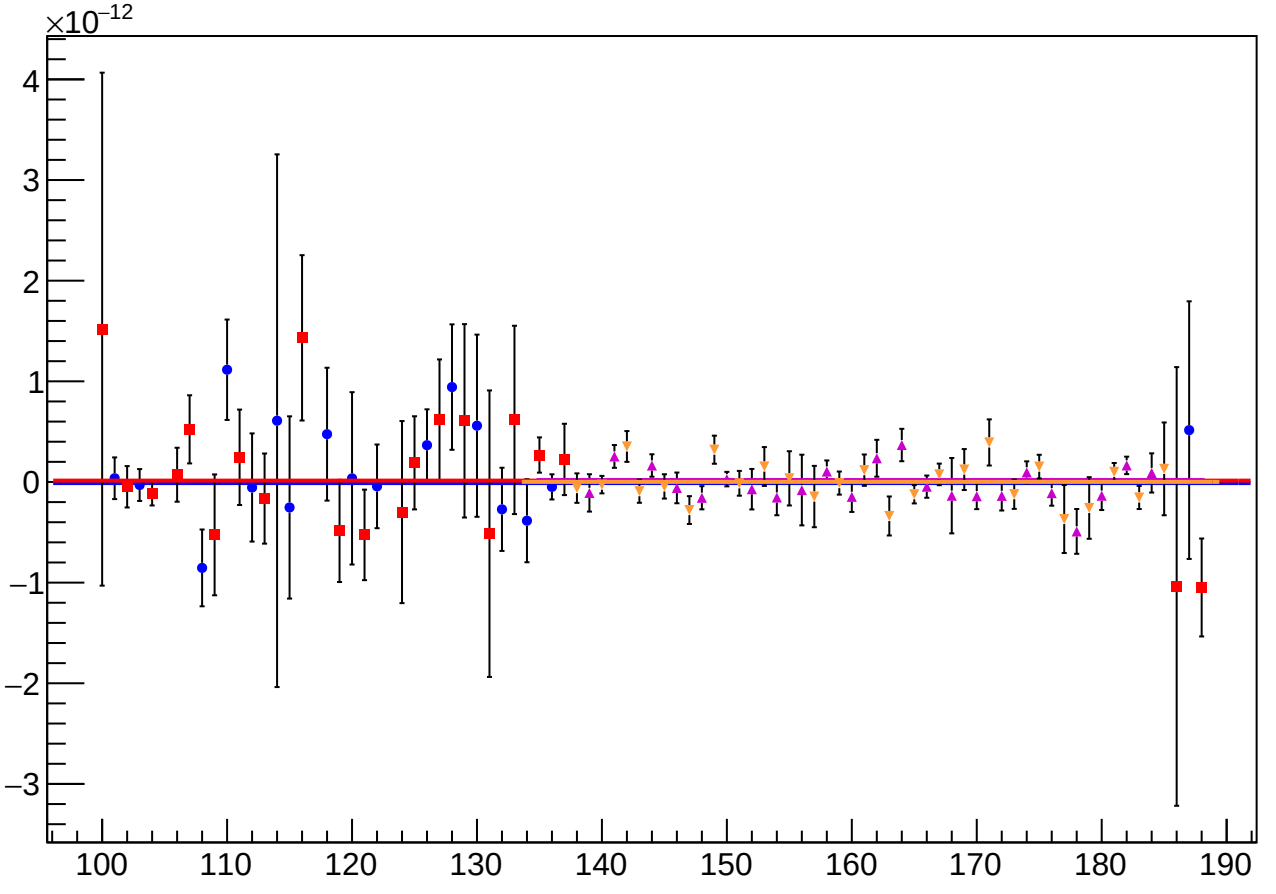
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 4965.092+/-0.694 χ^2/NDF: 1941438.9/41

All: 4915.032+/-0.486 χ^2/NDF: 4413922.0/85

- sign 4866.926+/-0.680 χ^2/NDF: 2462277.6/43

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/20

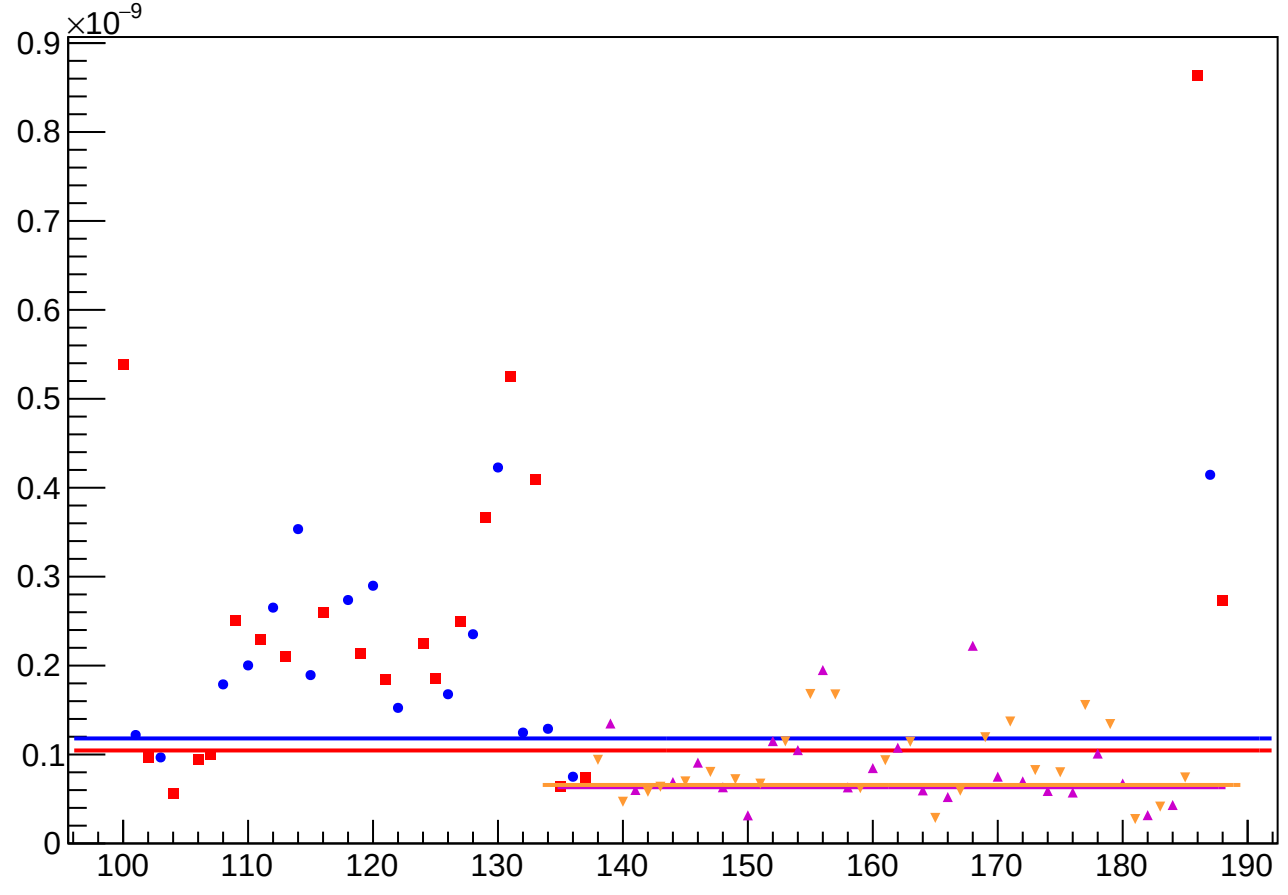
Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.3/41

All: 0.000+/-0.000 χ^2/NDF: 102.1/85

- sign 0.000+/-0.000 χ^2/NDF: 52.5/43

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1208129.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2335350.1/20

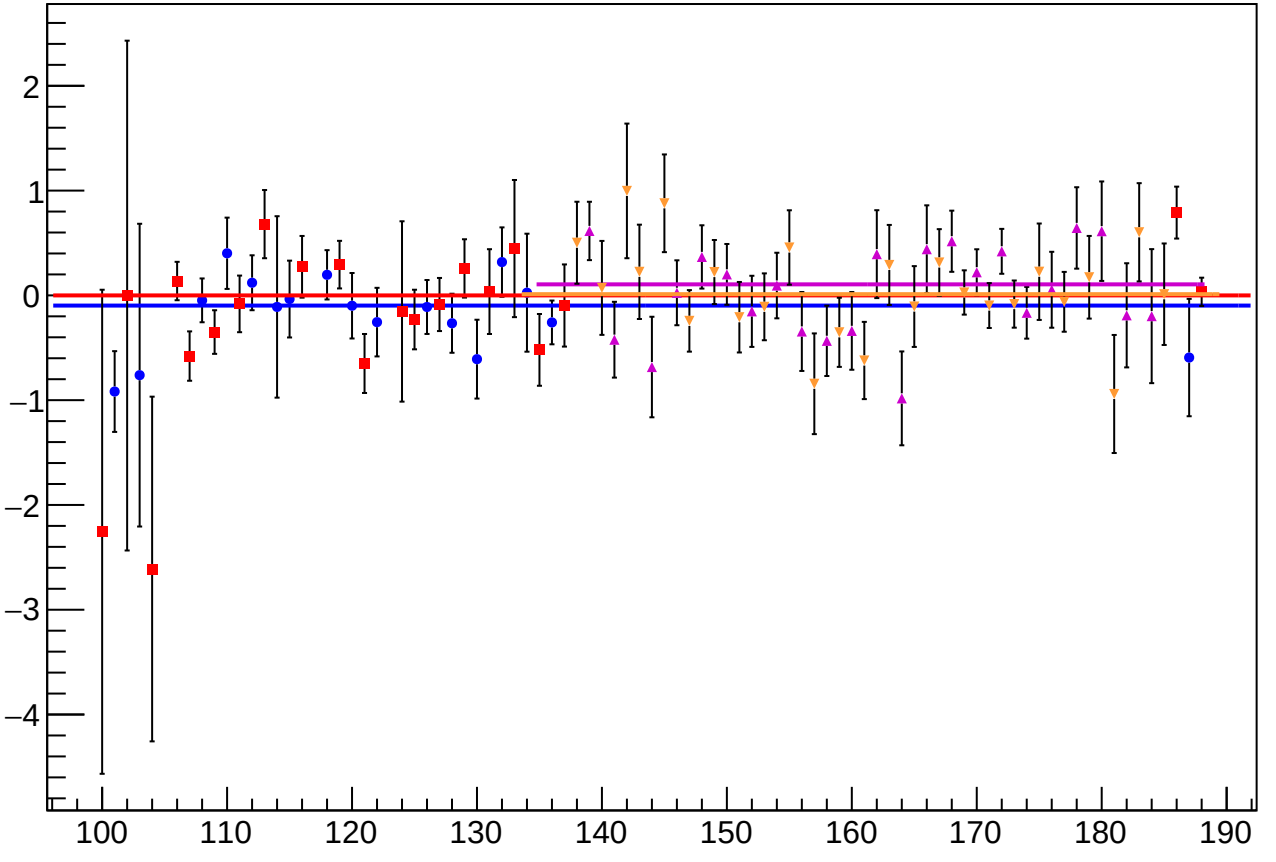
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 4533327.9/41

All: 0.000+/-0.000 χ^2/NDF: 9661351.5/85

- sign 0.000+/-0.000 χ^2/NDF: 5110268.1/43

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.000+/-0.060 χ^2/NDF: 40.0/20

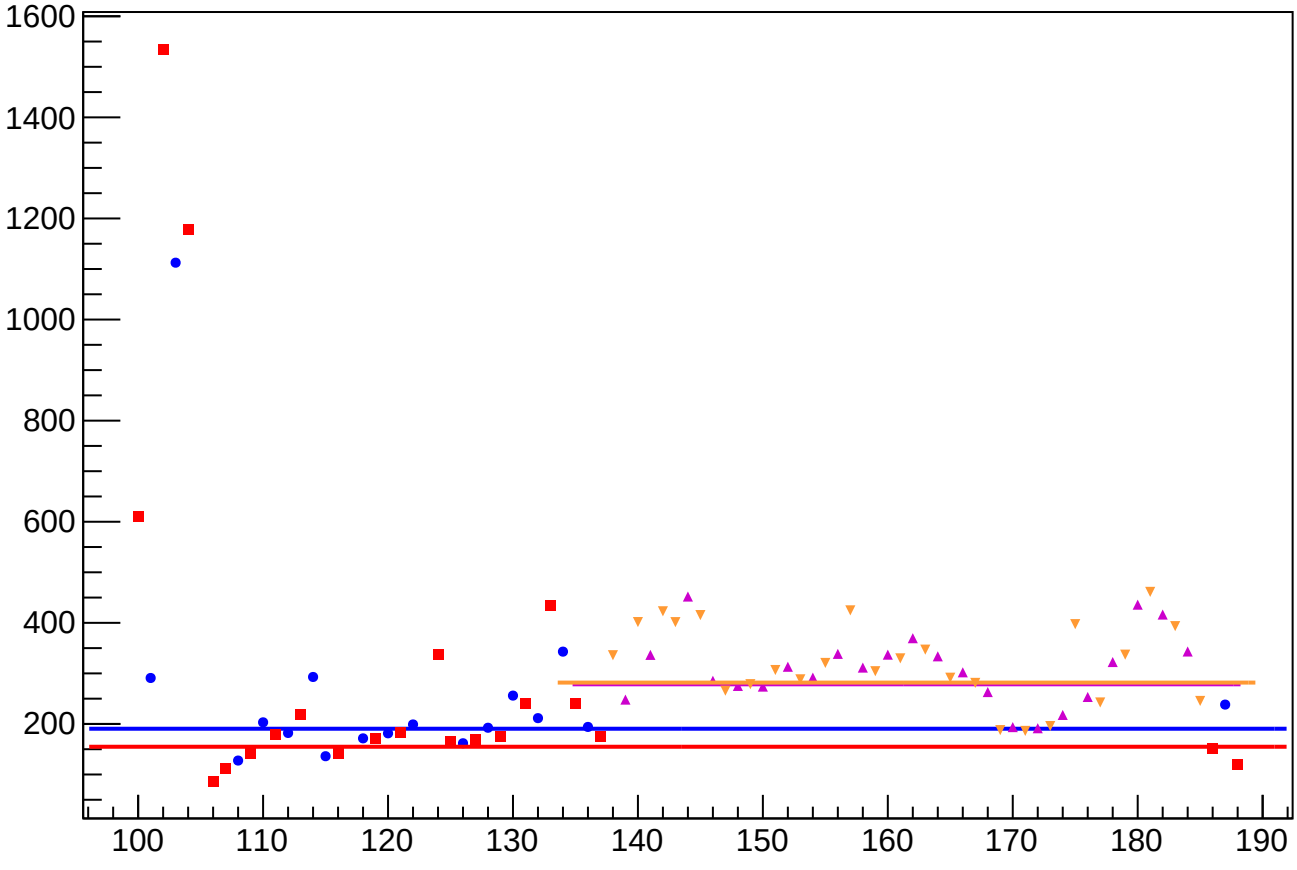
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.051 χ^2/NDF: 41.0/41

All: 0.009+/-0.034 χ^2/NDF: 115.2/85

- sign 0.046+/-0.045 χ^2/NDF: 72.7/43

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 190.526+/-0.054 χ^2/NDF: 1480295.9/16

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 154.887+/-0.043 χ^2/NDF: 2807445.0/20

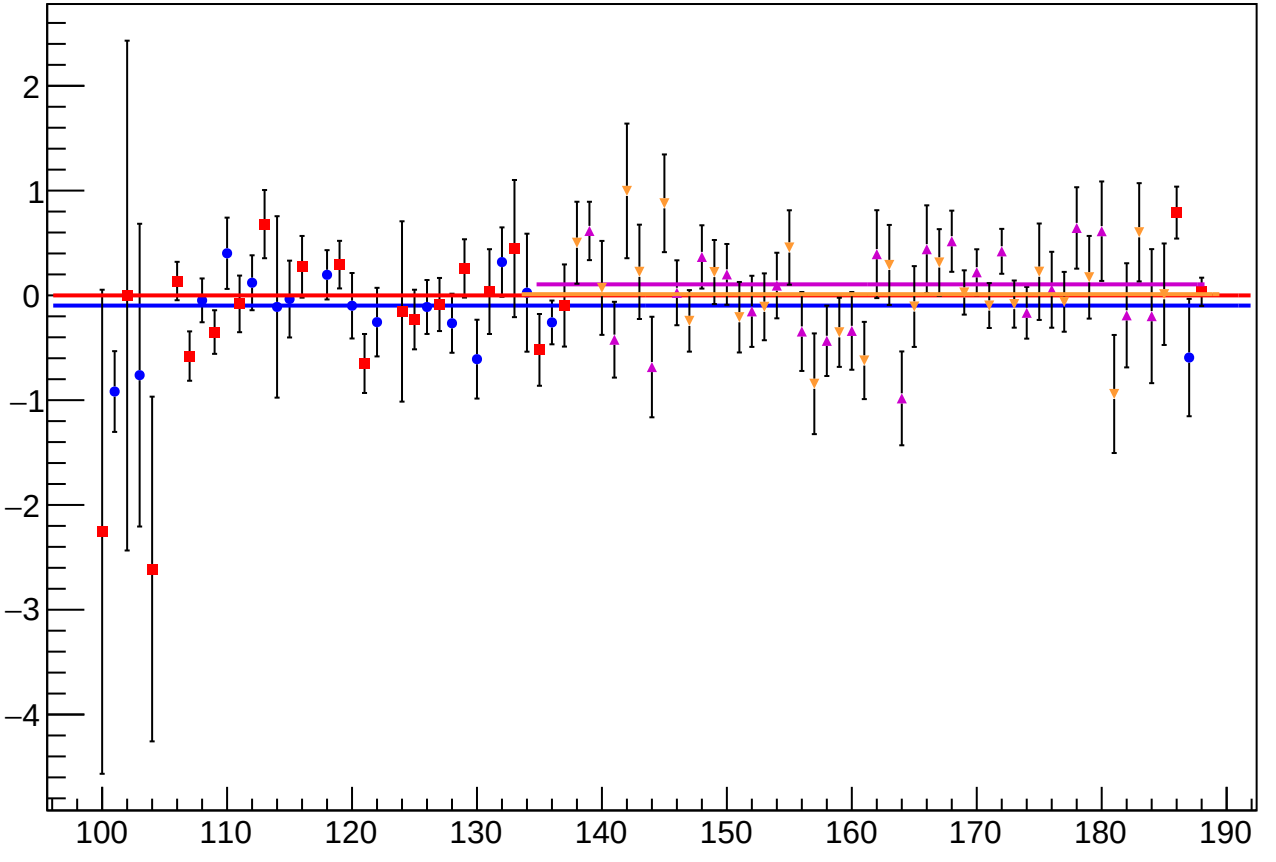
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 241.231+/-0.036 χ^2/NDF: 5601537.8/41

All: 223.161+/-0.024 χ^2/NDF: 14322624.4/85

- sign 208.745+/-0.032 χ^2/NDF: 8264568.0/43

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.000+/-0.060 χ^2/NDF: 40.0/20

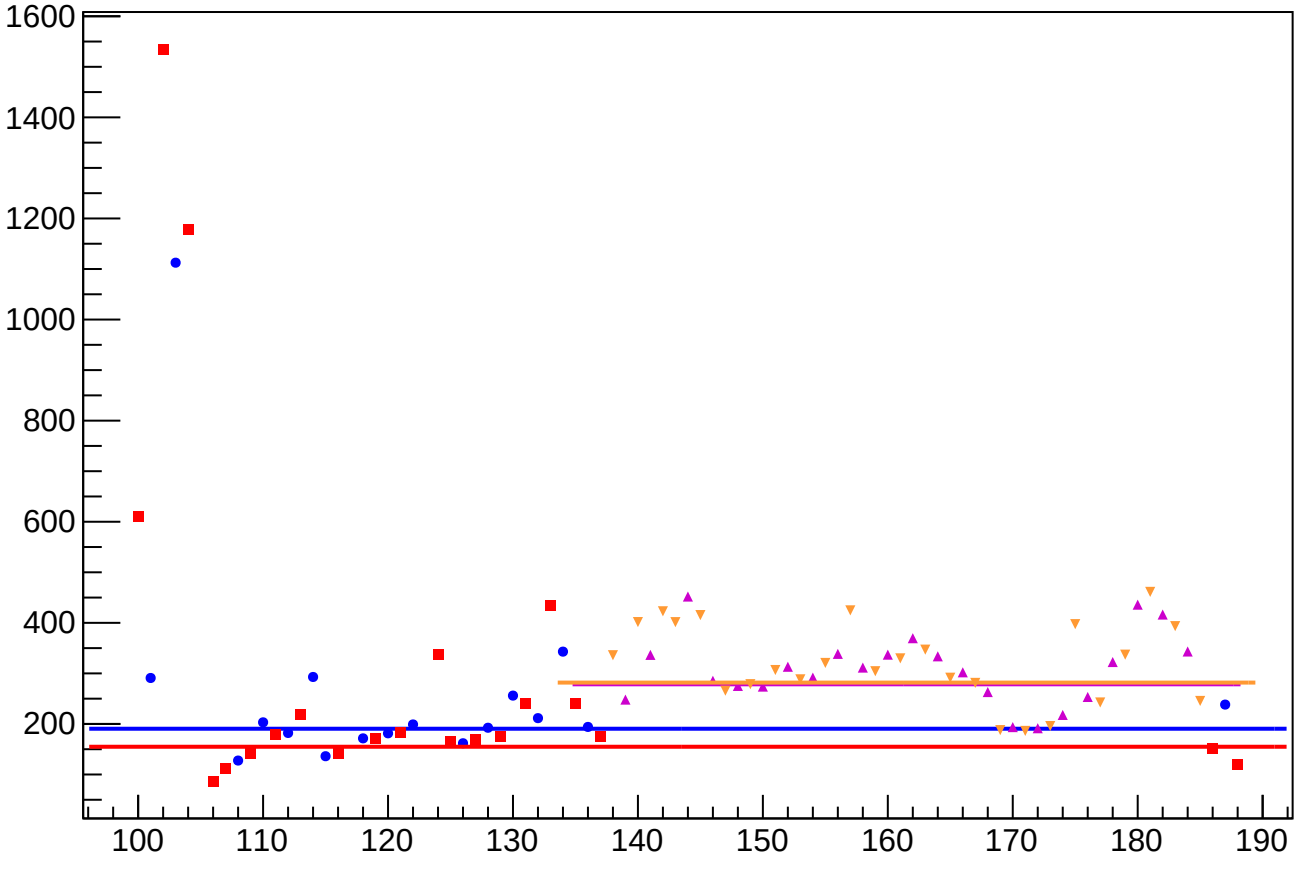
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.051 χ^2/NDF: 41.0/41

All: 0.009+/-0.034 χ^2/NDF: 115.2/85

- sign 0.046+/-0.045 χ^2/NDF: 72.7/43

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 190.526+/-0.054 χ^2/NDF: 1480295.9/16

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

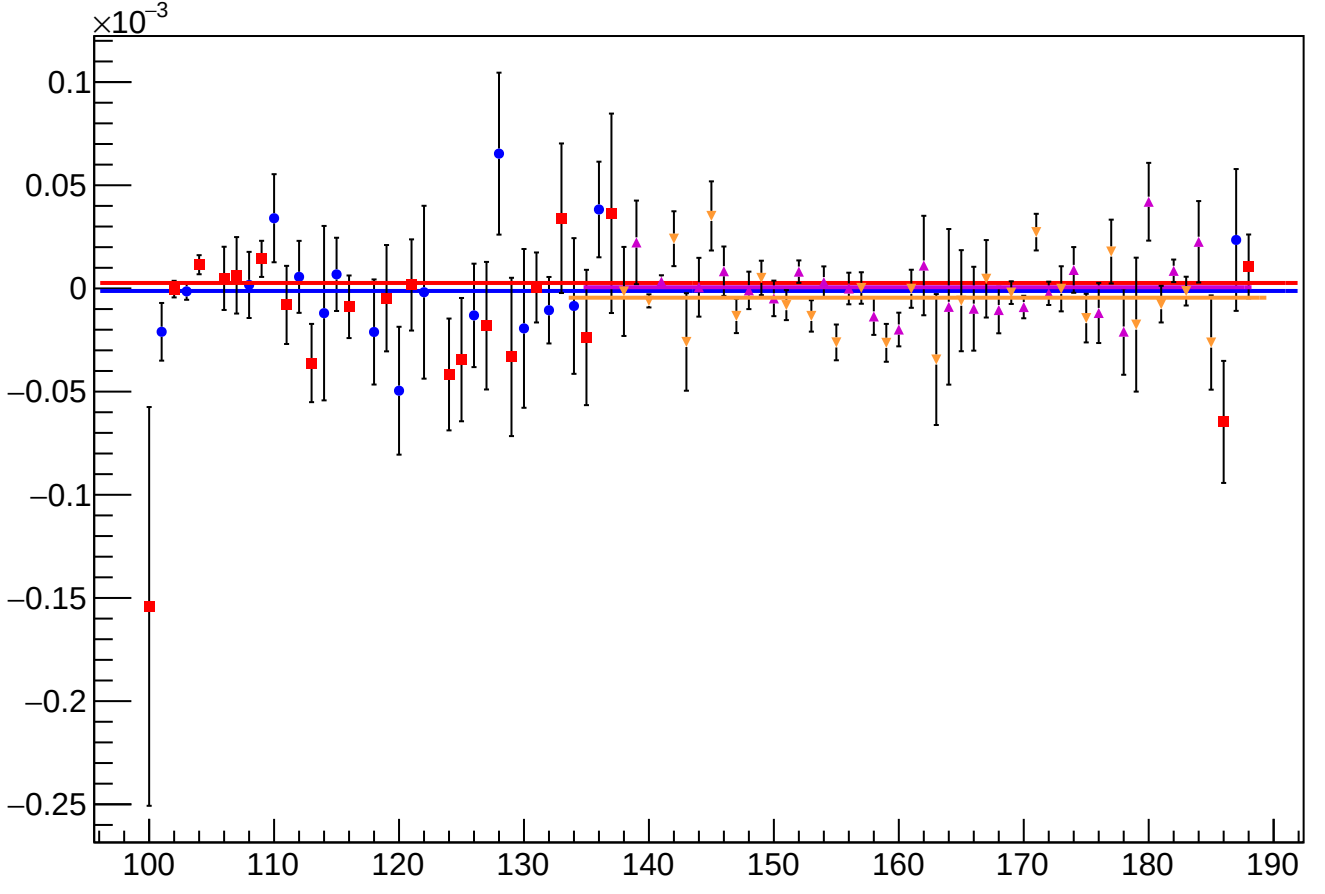
Right Out: 154.887+/-0.043 χ^2/NDF: 2807445.0/20

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 241.231+/-0.036 χ^2/NDF: 5601537.8/41

All: 223.161+/-0.024 χ^2/NDF: 14322624.4/85

- sign 208.745+/-0.032 χ^2/NDF: 8264568.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/20

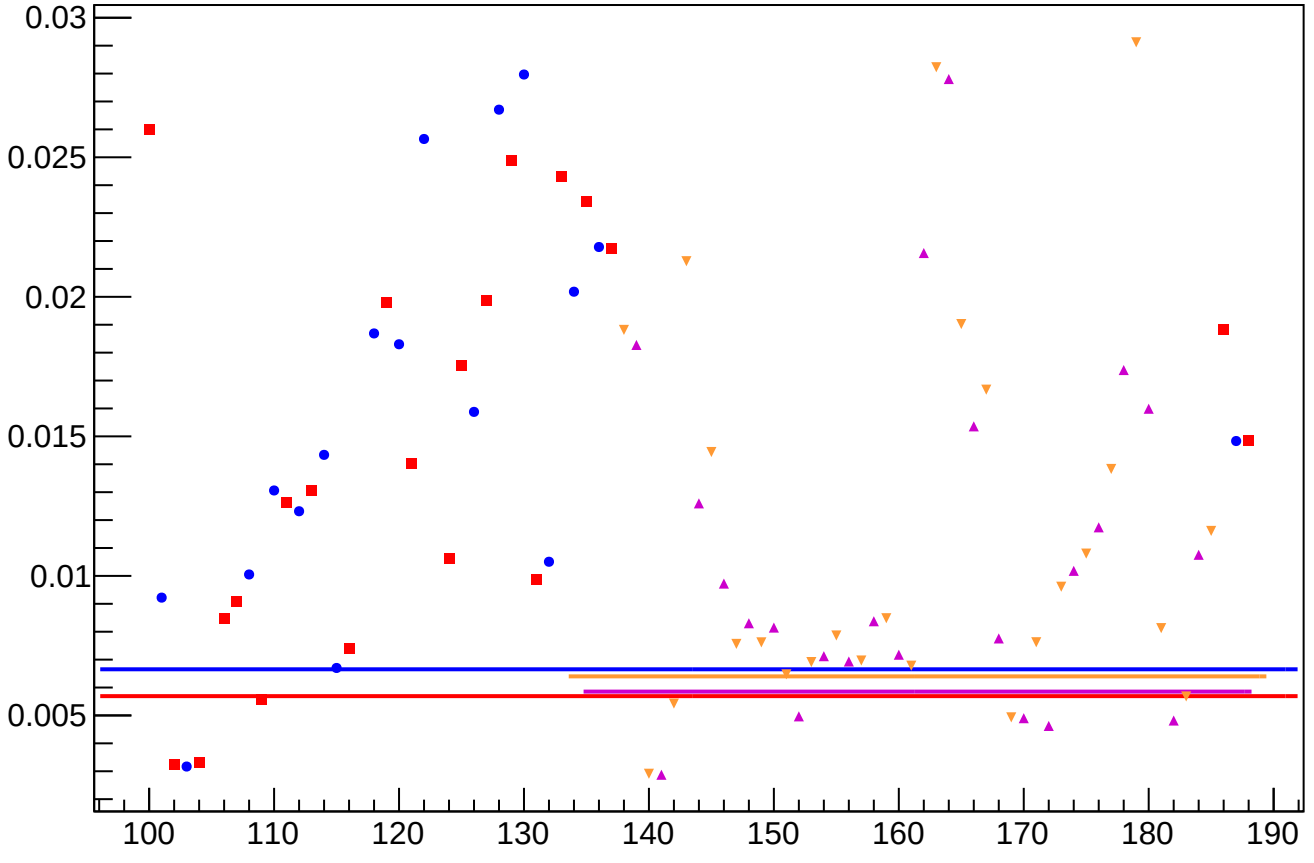
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.5/41

All: -0.000+/-0.000 χ^2/NDF: 124.7/85

- sign 0.000+/-0.000 χ^2/NDF: 56.3/43

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 6042364.7/16

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6823109.6/20

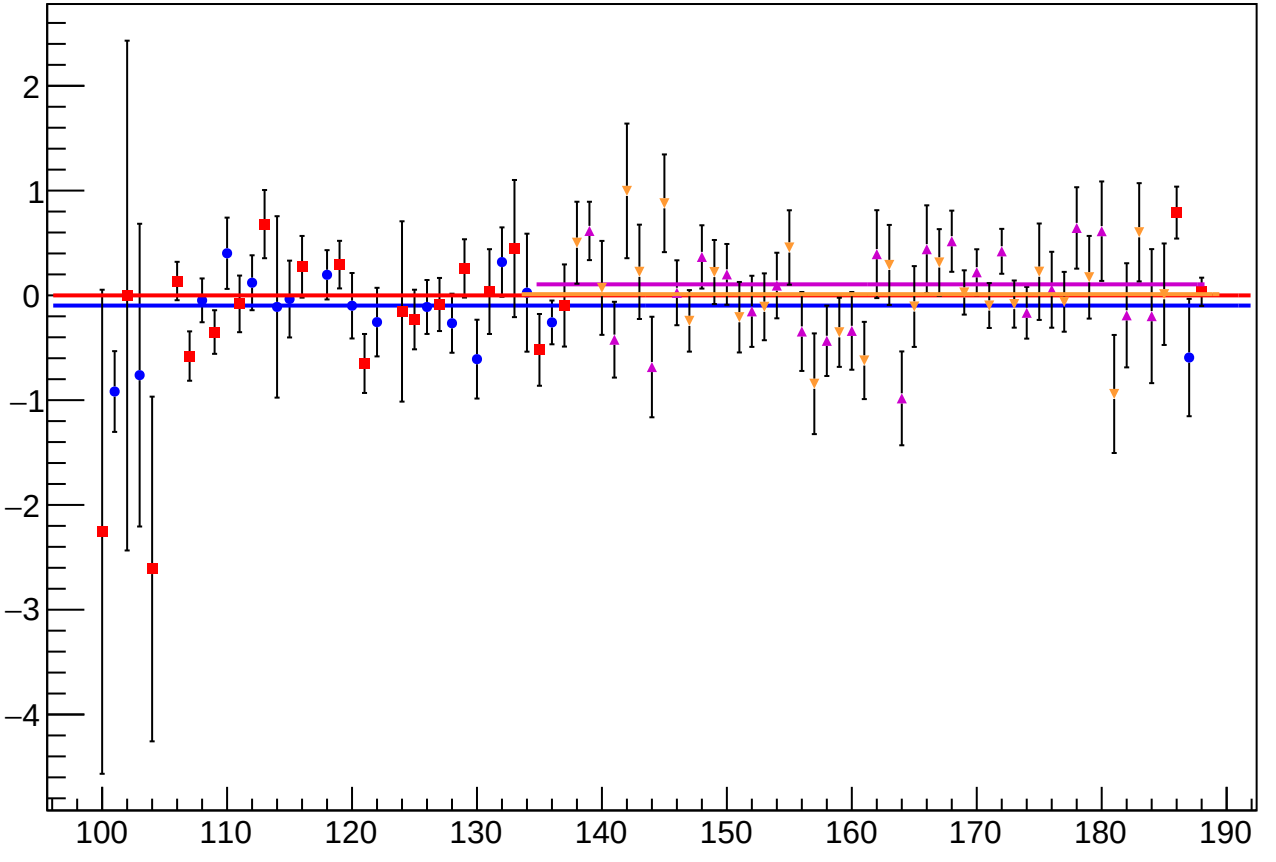
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.006+/-0.000 χ^2/NDF: 15015923.3/41

All: 0.006+/-0.000 χ^2/NDF: 30189090.9/85

- sign 0.006+/-0.000 χ^2/NDF: 14973268.6/43

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.000+/-0.060 χ^2/NDF: 40.0/20

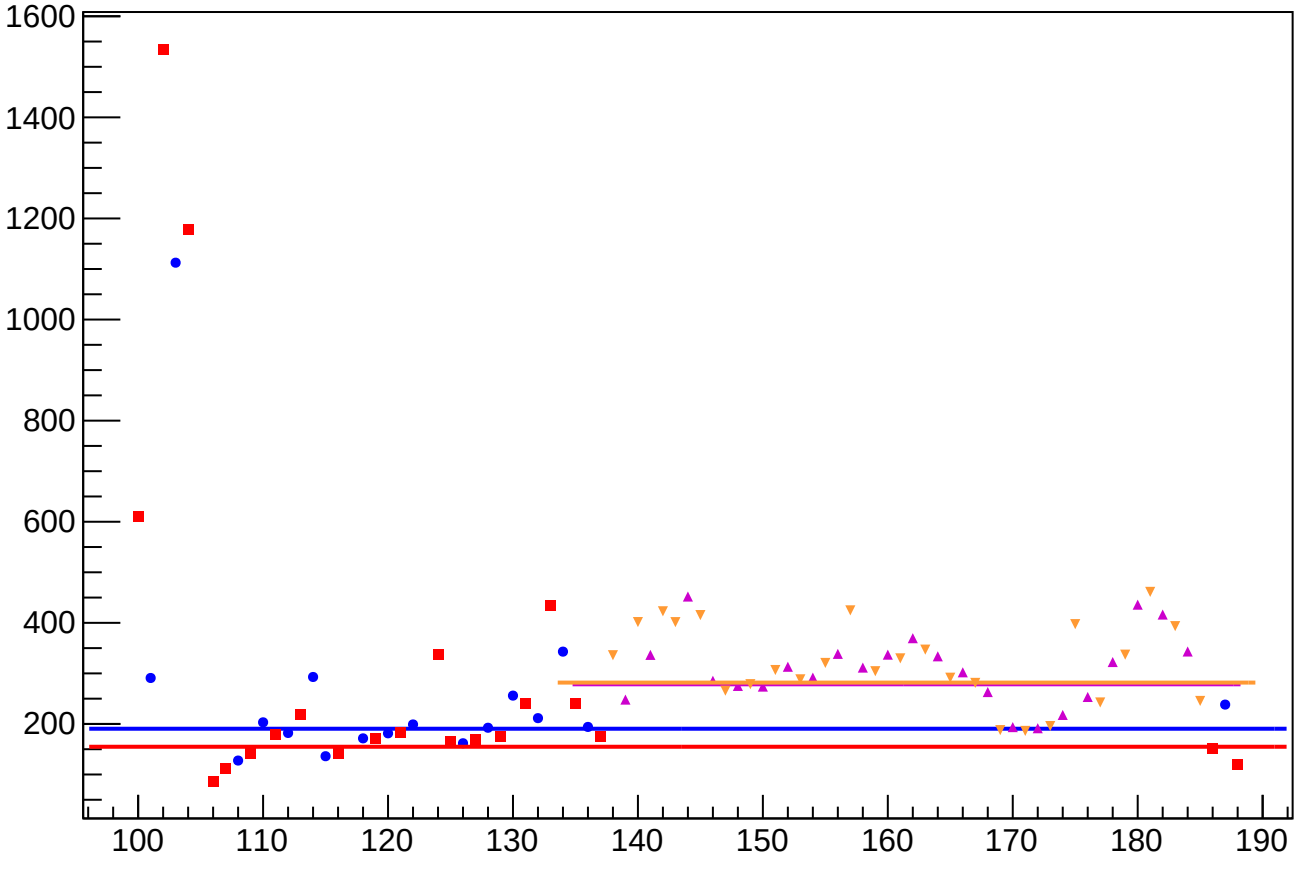
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.051 χ^2/NDF: 41.0/41

All: 0.009+/-0.034 χ^2/NDF: 115.2/85

- sign 0.046+/-0.045 χ^2/NDF: 72.7/43

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 190.525+/-0.054 χ^2/NDF: 1480282.6/16

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

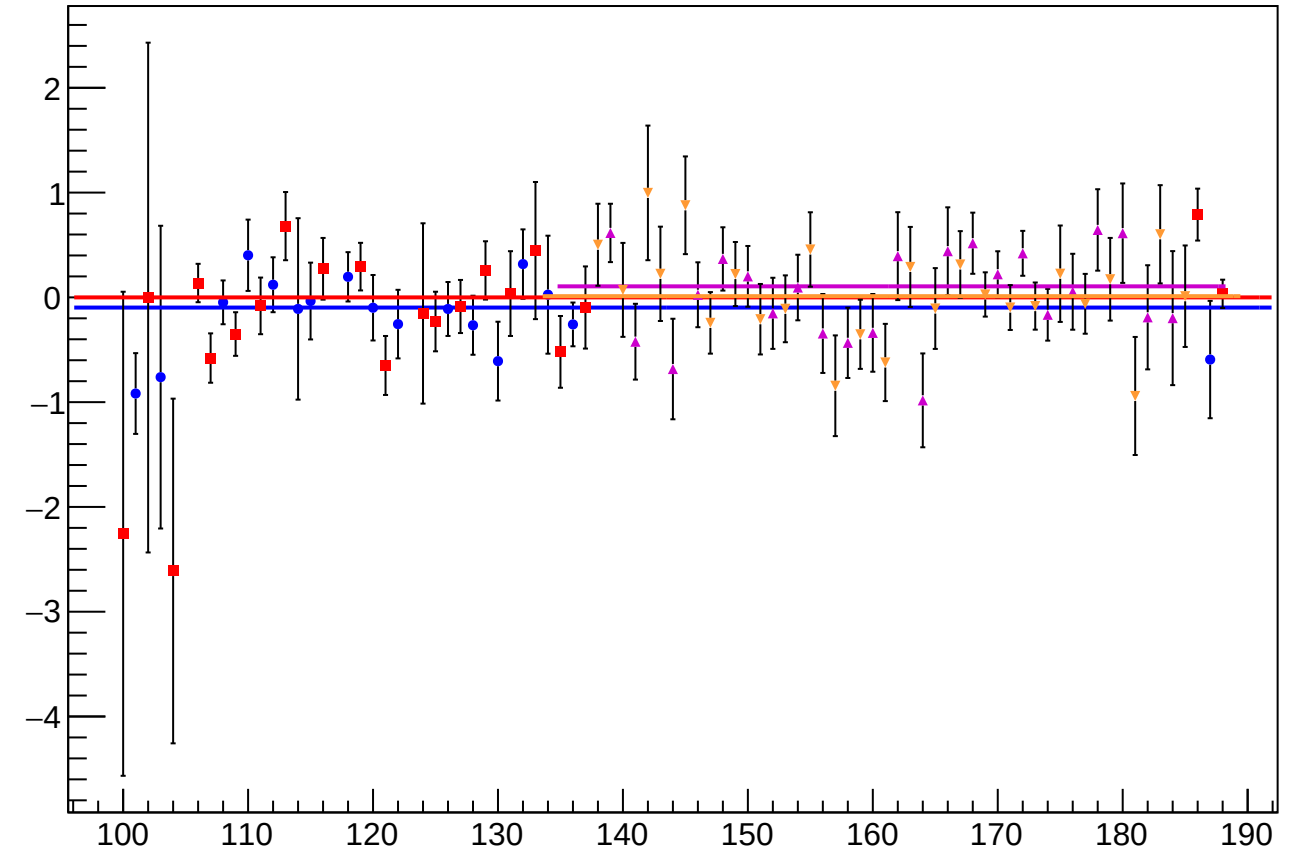
Right Out: 154.883+/-0.043 χ^2/NDF: 2807502.3/20

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 241.232+/-0.036 χ^2/NDF: 5601699.7/41

All: 223.160+/-0.024 χ^2/NDF: 14323356.2/85

- sign 208.742+/-0.032 χ^2/NDF: 8265048.3/43



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

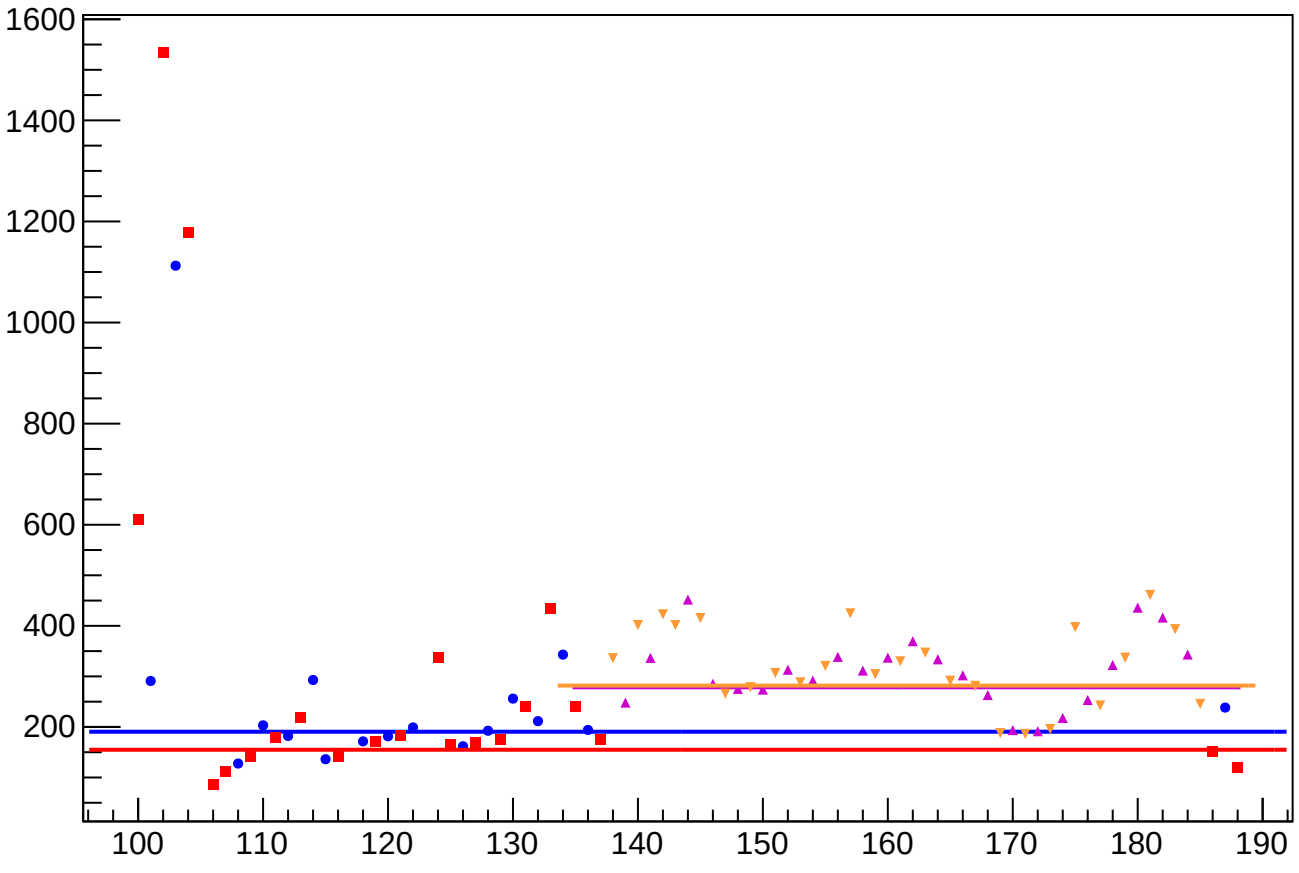
Right Out: -0.000+/-0.060 χ^2/NDF: 40.0/20

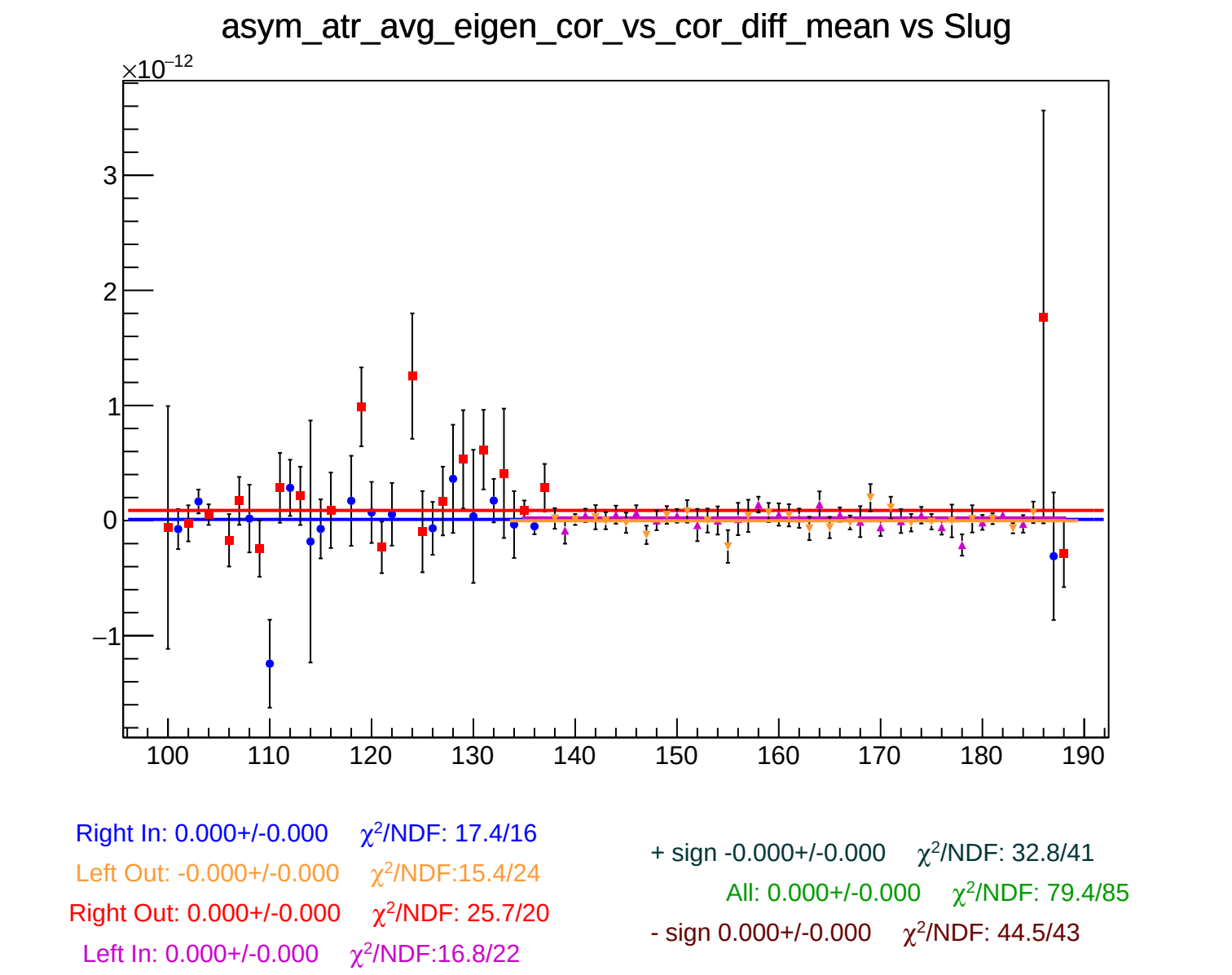
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.051 χ^2/NDF: 41.0/41

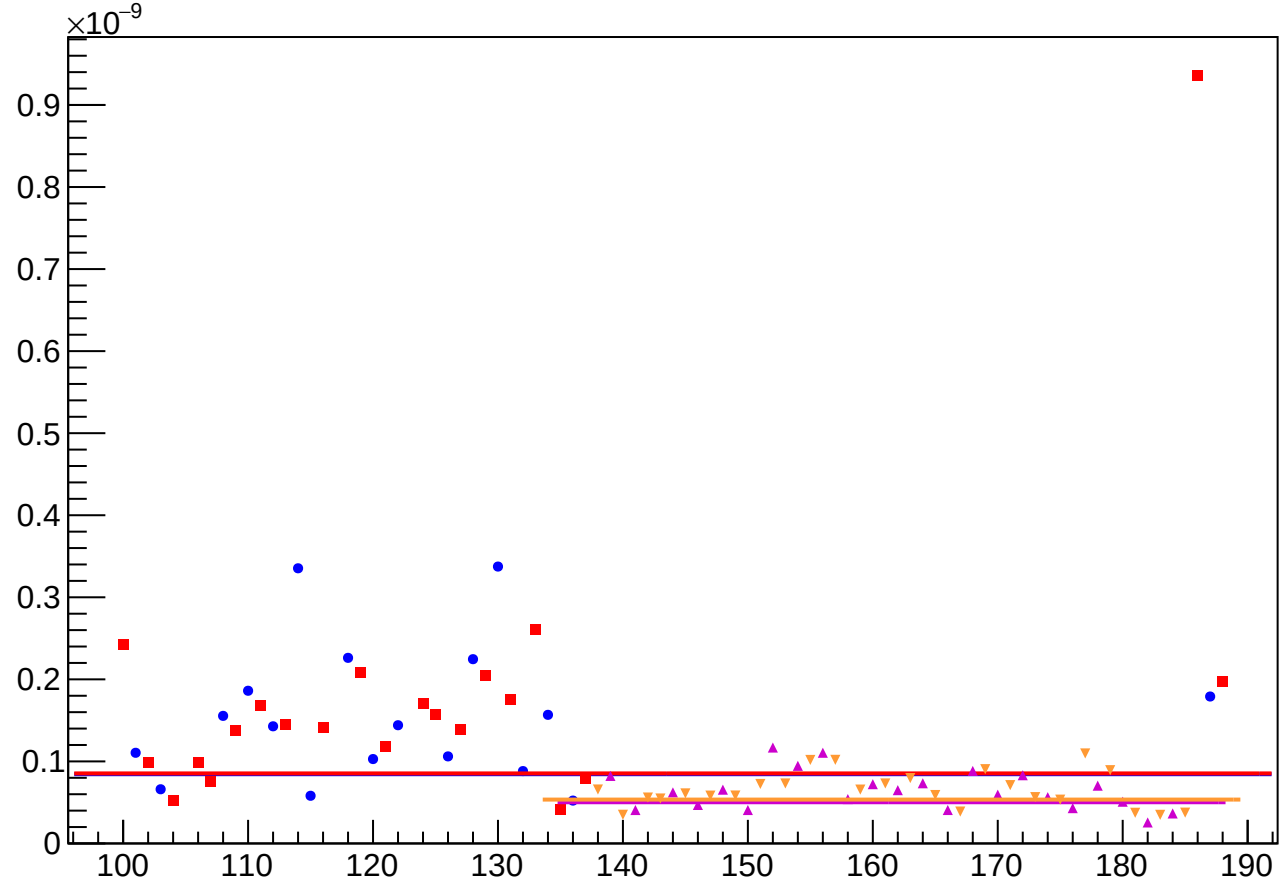
All: 0.009+/-0.034 χ^2/NDF: 115.2/85

- sign 0.046+/-0.045 χ^2/NDF: 72.7/43


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 190.525+/-0.054 χ²/NDF: 1480282.6/16
Left Out: 281.820+/-0.048 χ²/NDF:2520889.0/24
Right Out: 154.883+/-0.043 χ²/NDF: 2807502.3/20
Left In: 278.412+/-0.049 χ²/NDF:1799730.1/22
+ sign 241.232+/-0.036 χ²/NDF: 5601699.7/41
All: 223.160+/-0.024 χ²/NDF: 14323356.2/85
- sign 208.742+/-0.032 χ²/NDF: 8265048.3/43


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 17.4/16
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.7/20
Left In: 0.000+/-0.000 χ²/NDF:16.8/22
+ sign -0.000+/-0.000 χ²/NDF: 32.8/41
All: 0.000+/-0.000 χ²/NDF: 79.4/85
- sign 0.000+/-0.000 χ²/NDF: 44.5/43

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2167780.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

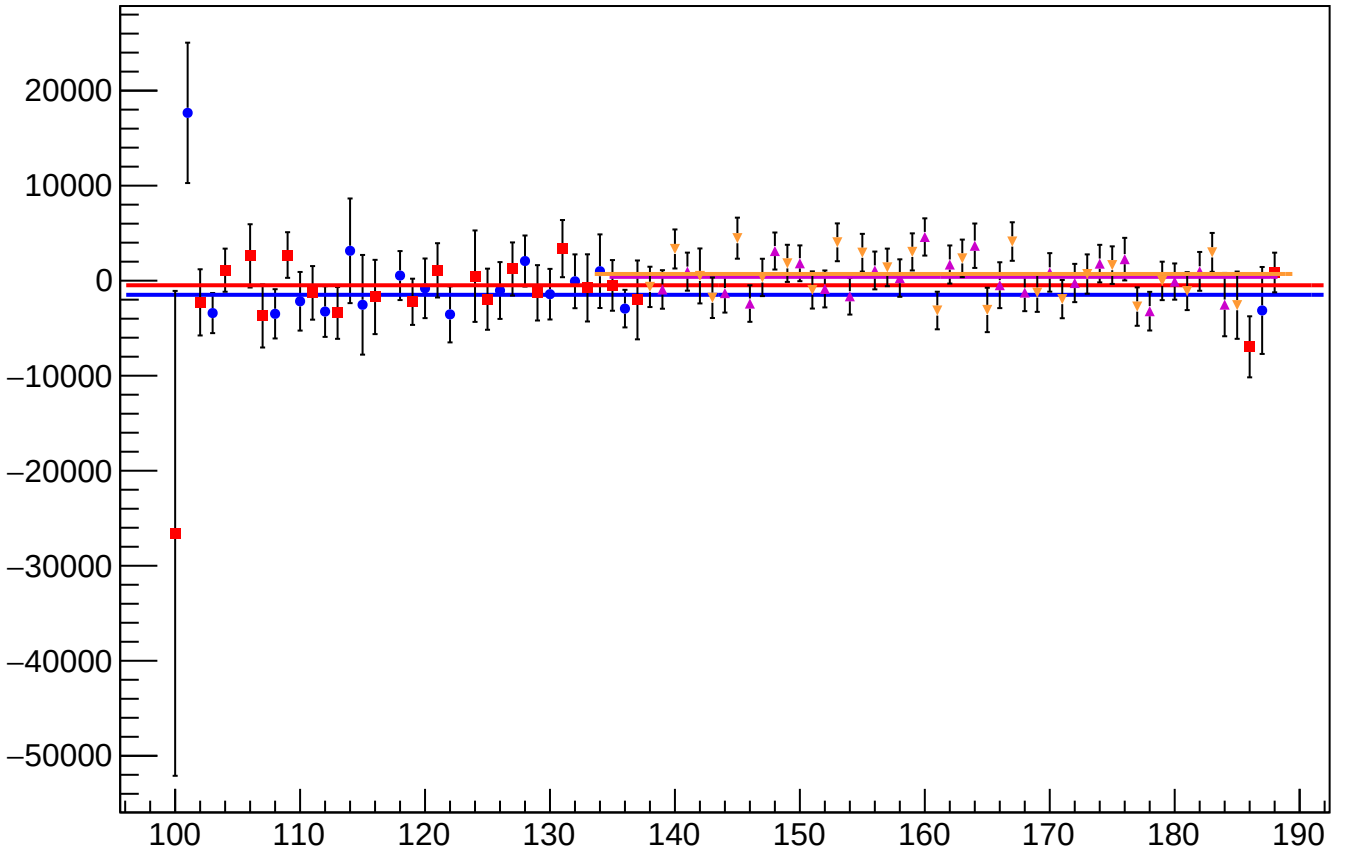
Right Out: 0.000+/-0.000 χ^2/NDF: 3025795.9/20

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5778842.6/41

All: 0.000+/-0.000 χ^2/NDF: 13334569.3/85

- sign 0.000+/-0.000 χ^2/NDF: 7520740.2/43



Right In: -1487.685+/-714.274 χ^2/NDF: 13.6/16

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -483.267+/-652.038 χ^2/NDF: 14.5/20

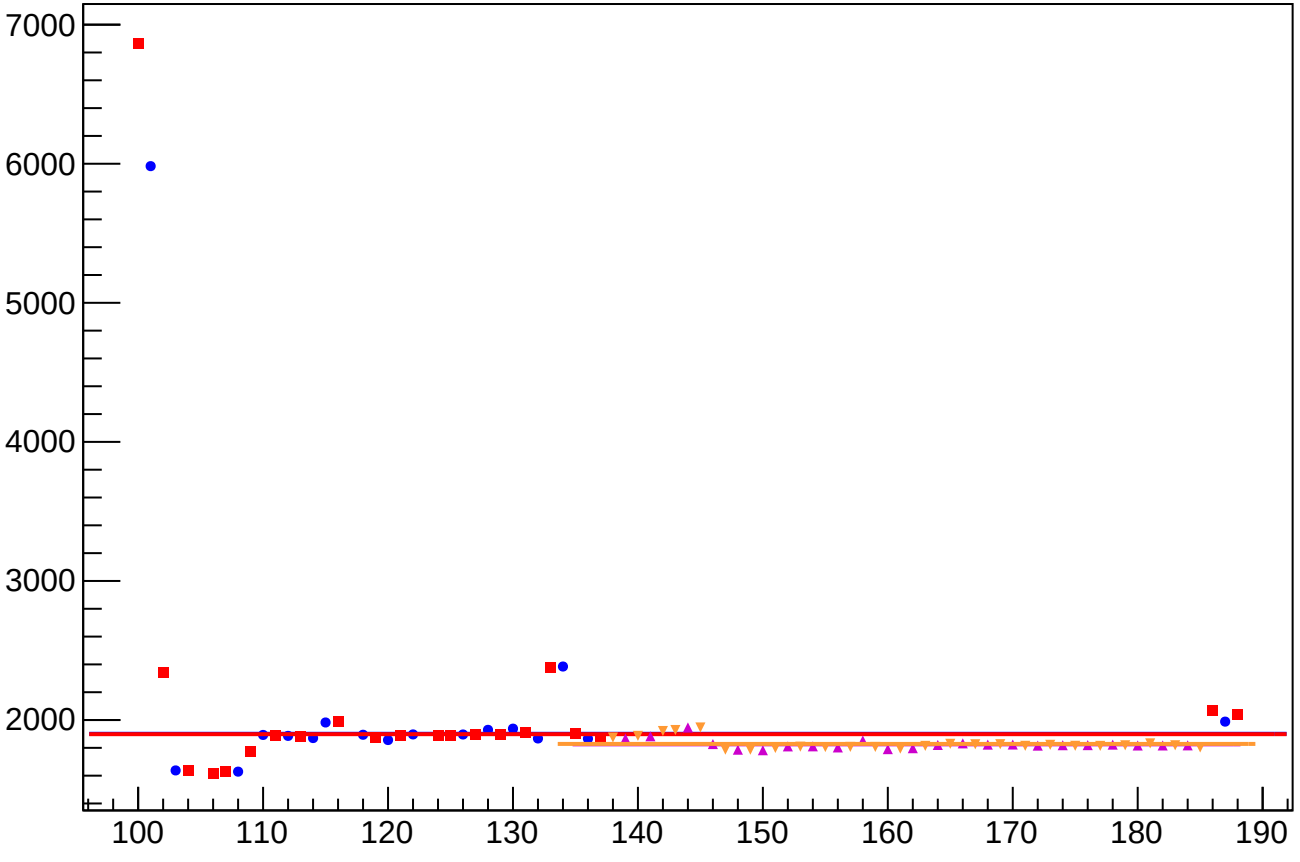
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 151.408+/-359.078 χ^2/NDF: 52.6/41

All: 144.551+/-253.083 χ^2/NDF: 89.1/85

- sign 137.783+/-356.758 χ^2/NDF: 36.5/43

reg_asym_atr_dd_rms vs Slug



Right In: 1901.013+/-0.505 χ^2/NDF: 698264.7/16

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

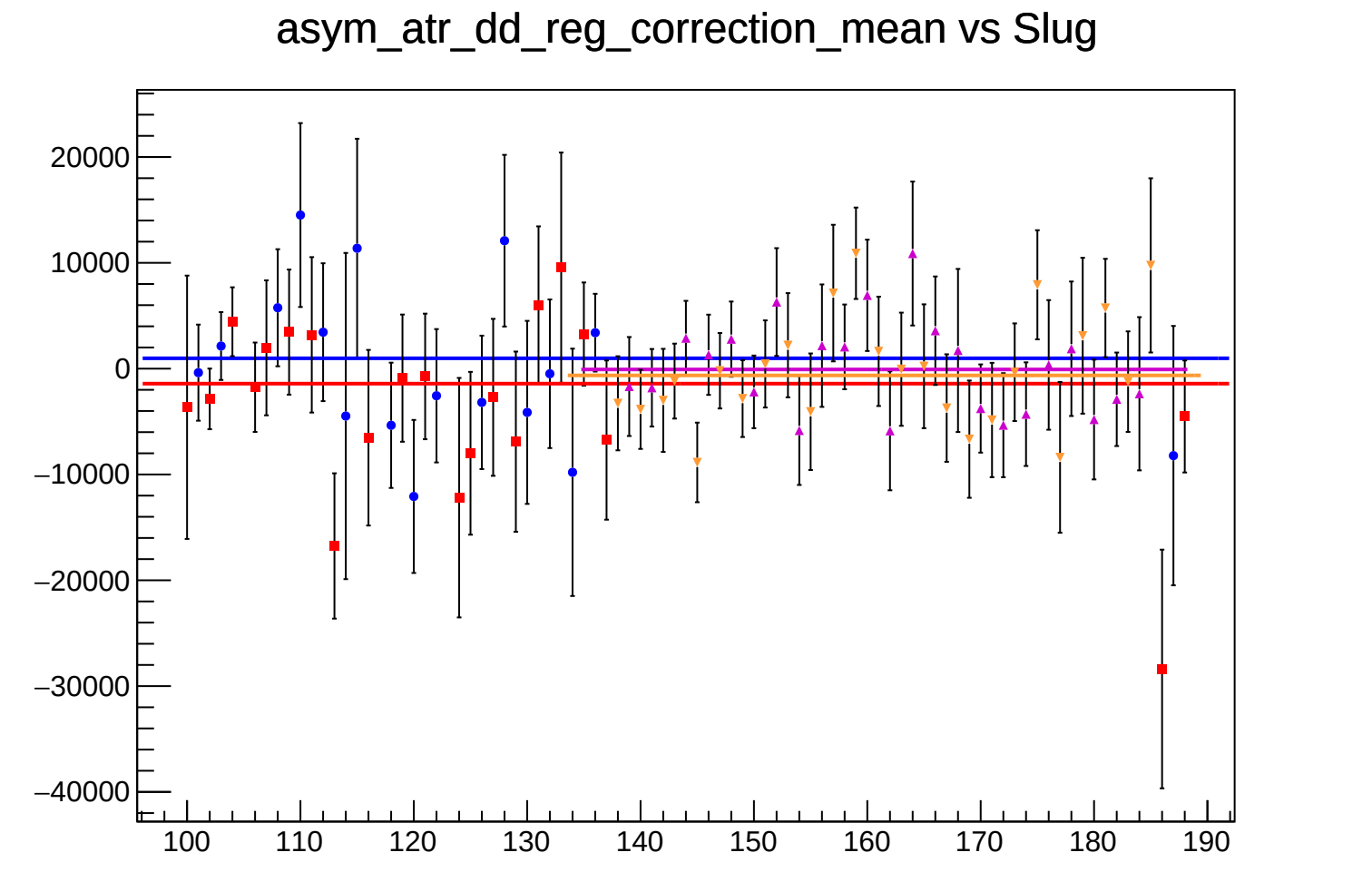
Right Out: 1898.302+/-0.460 χ^2/NDF: 224838.2/20

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

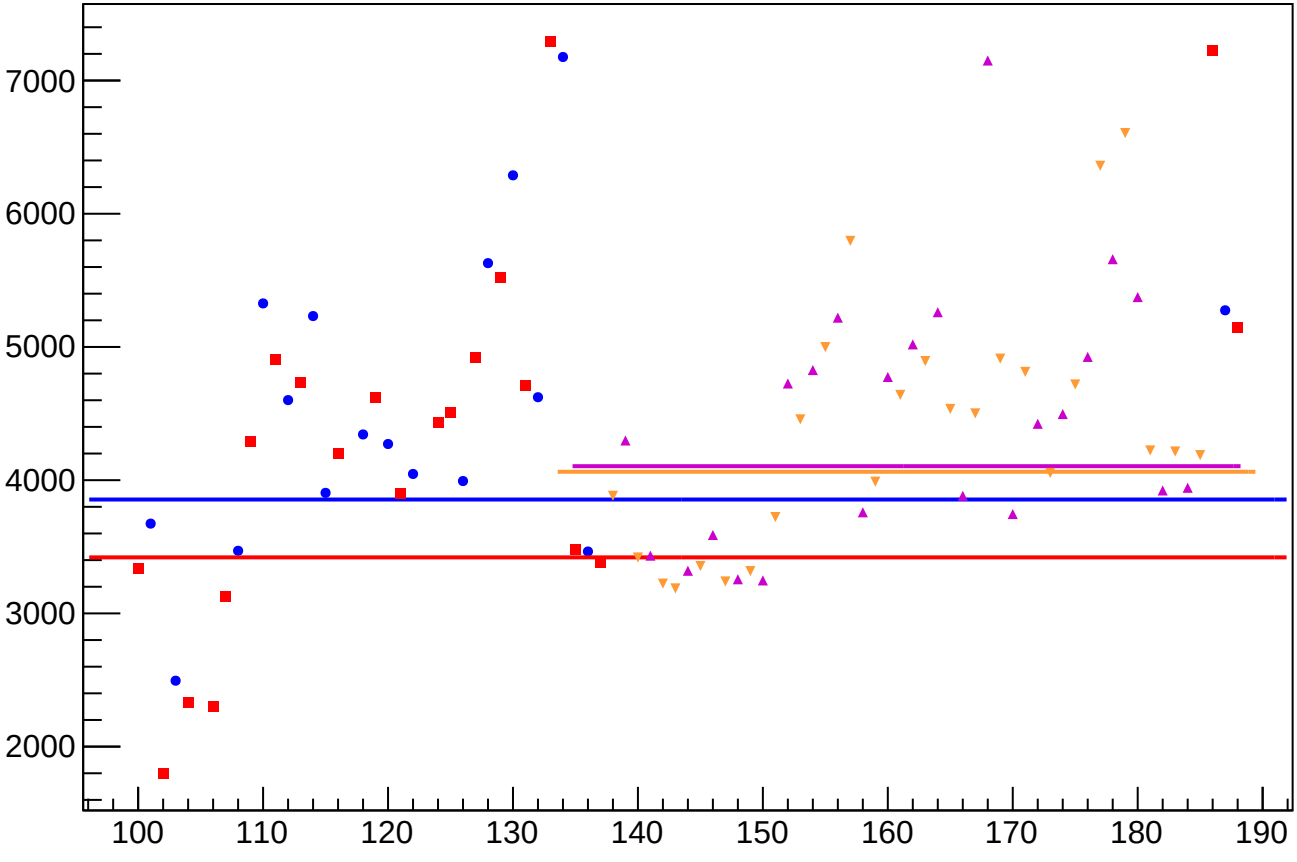
+ sign 1846.634+/-0.254 χ^2/NDF: 733106.4/41

All: 1846.893+/-0.179 χ^2/NDF: 989009.0/85

- sign 1847.149+/-0.252 χ^2/NDF: 255900.5/43


asym_atr_dd_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 978.673+/-1468.605 χ²/NDF: 13.9/16
Left Out: -637.703+/-946.866 χ²/NDF:26.0/24
Right Out: -1418.210+/-1261.145 χ²/NDF: 21.9/20
Left In: -75.764+/-980.243 χ²/NDF:15.4/22
+ sign -163.087+/-795.802 χ²/NDF: 40.8/41
All: -378.038+/-554.830 χ²/NDF: 78.9/85
- sign -581.347+/-773.950 χ²/NDF: 38.0/43

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3854.858+/-1.038 χ^2/NDF: 984031.6/16

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3420.540+/-0.892 χ^2/NDF: 2333600.5/20

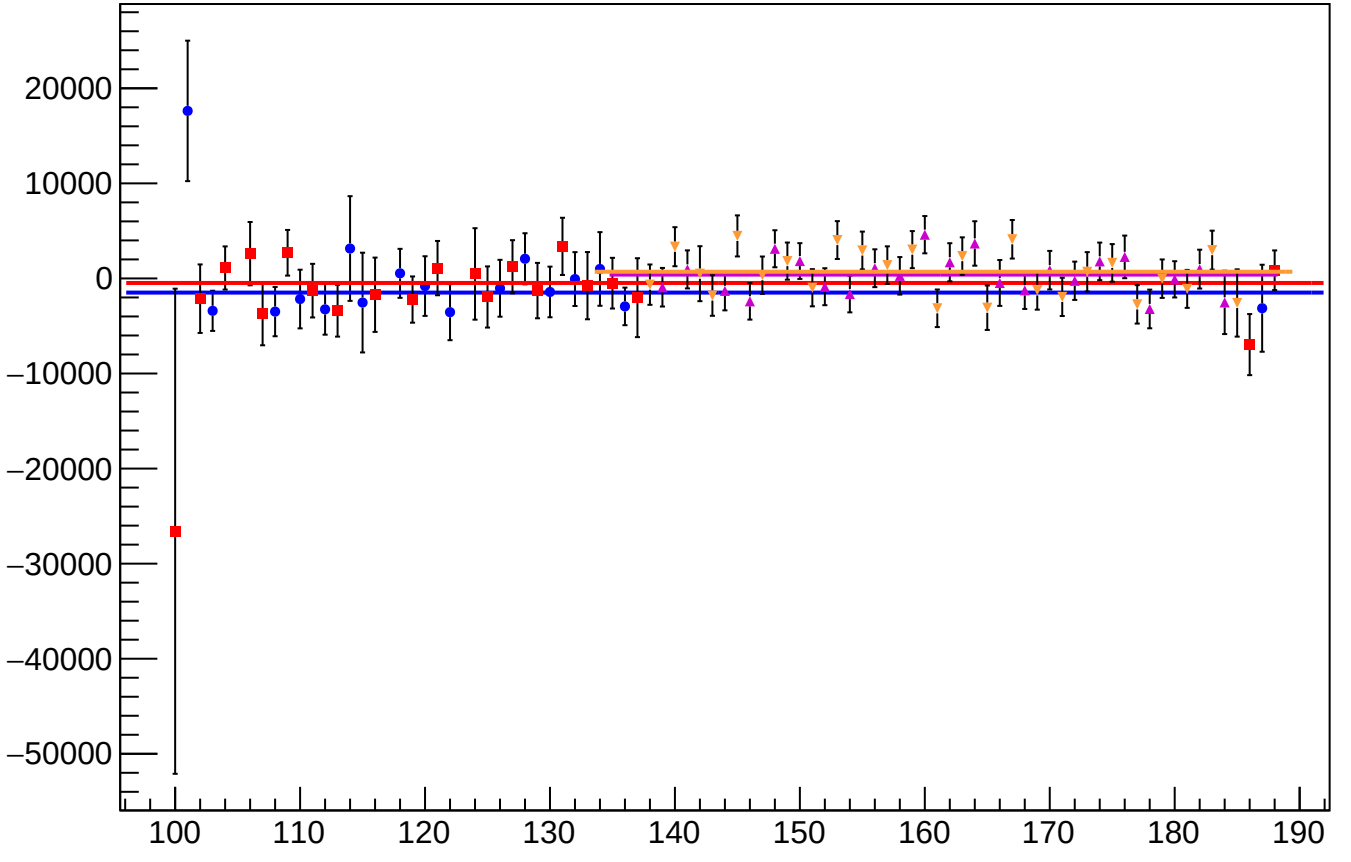
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4001.960+/-0.563 χ^2/NDF: 2417474.6/41

All: 3922.457+/-0.392 χ^2/NDF: 6516714.2/85

- sign 3847.260+/-0.547 χ^2/NDF: 4060398.0/43

cor_asym_atr_dd_mean vs Slug



Right In: -1488.067+/-714.274 χ^2/NDF: 13.6/16

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -474.615+/-652.795 χ^2/NDF: 14.4/20

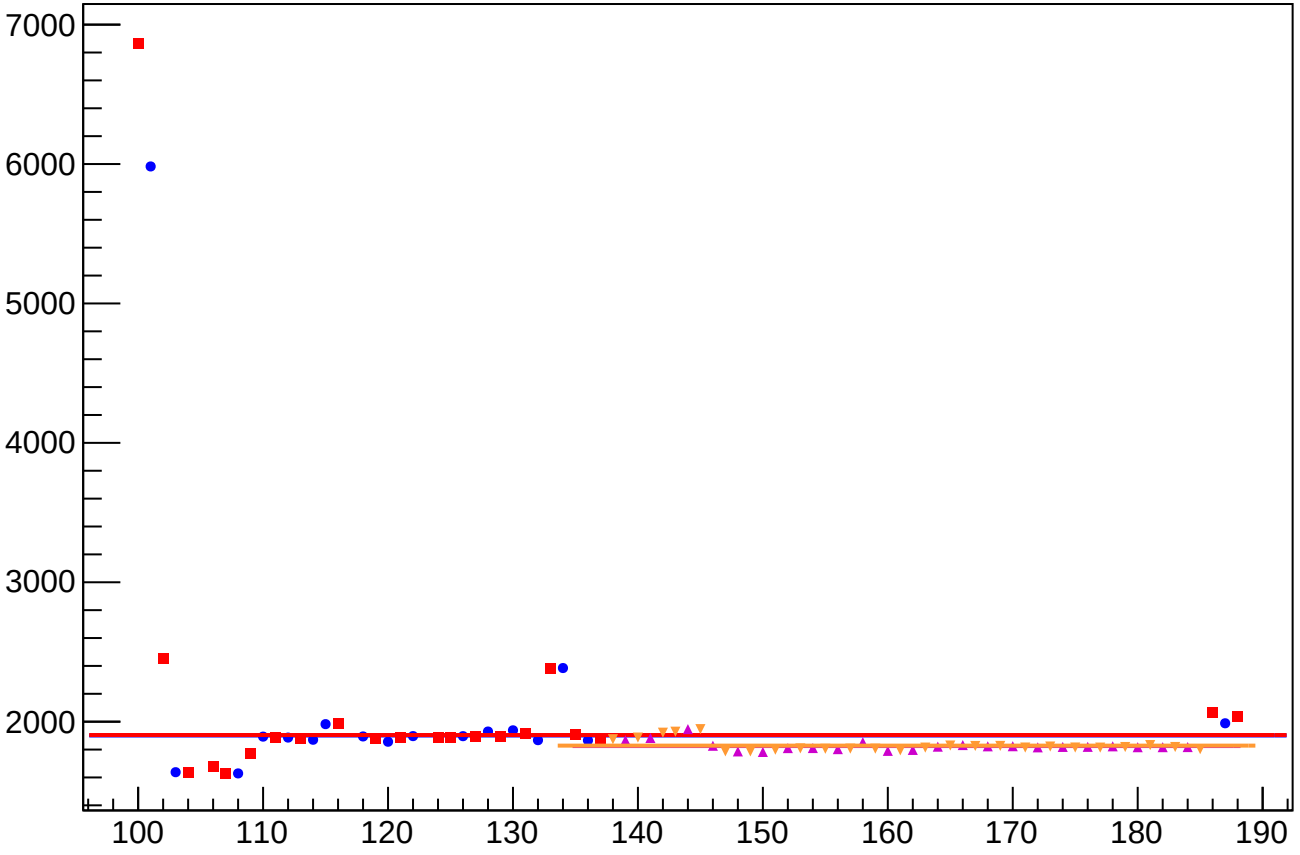
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 151.355+/-359.078 χ^2/NDF: 52.6/41

All: 145.988+/-253.127 χ^2/NDF: 89.0/85

- sign 140.686+/-356.882 χ^2/NDF: 36.4/43

cor_asym_atr_dd_rms vs Slug



Right In: 1901.013+/-0.505 χ^2/NDF: 698264.8/16

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

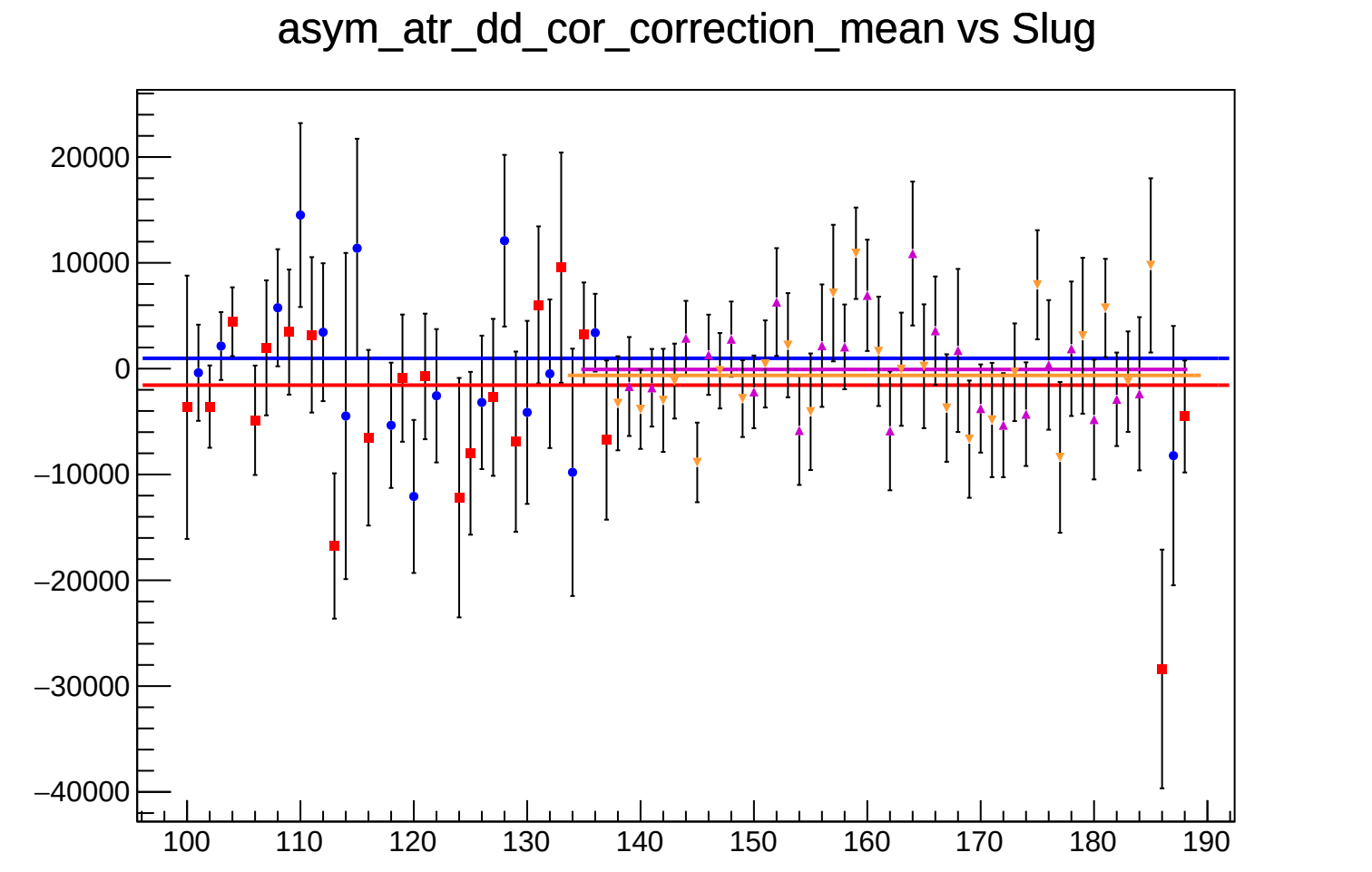
Right Out: 1904.252+/-0.461 χ^2/NDF: 232431.3/20

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1846.633+/-0.254 χ^2/NDF: 733106.5/41

All: 1847.747+/-0.179 χ^2/NDF: 999556.5/85

- sign 1848.846+/-0.252 χ^2/NDF: 266411.8/43



Right In: 977.486+/-1468.774 χ^2/NDF: 13.9/16

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

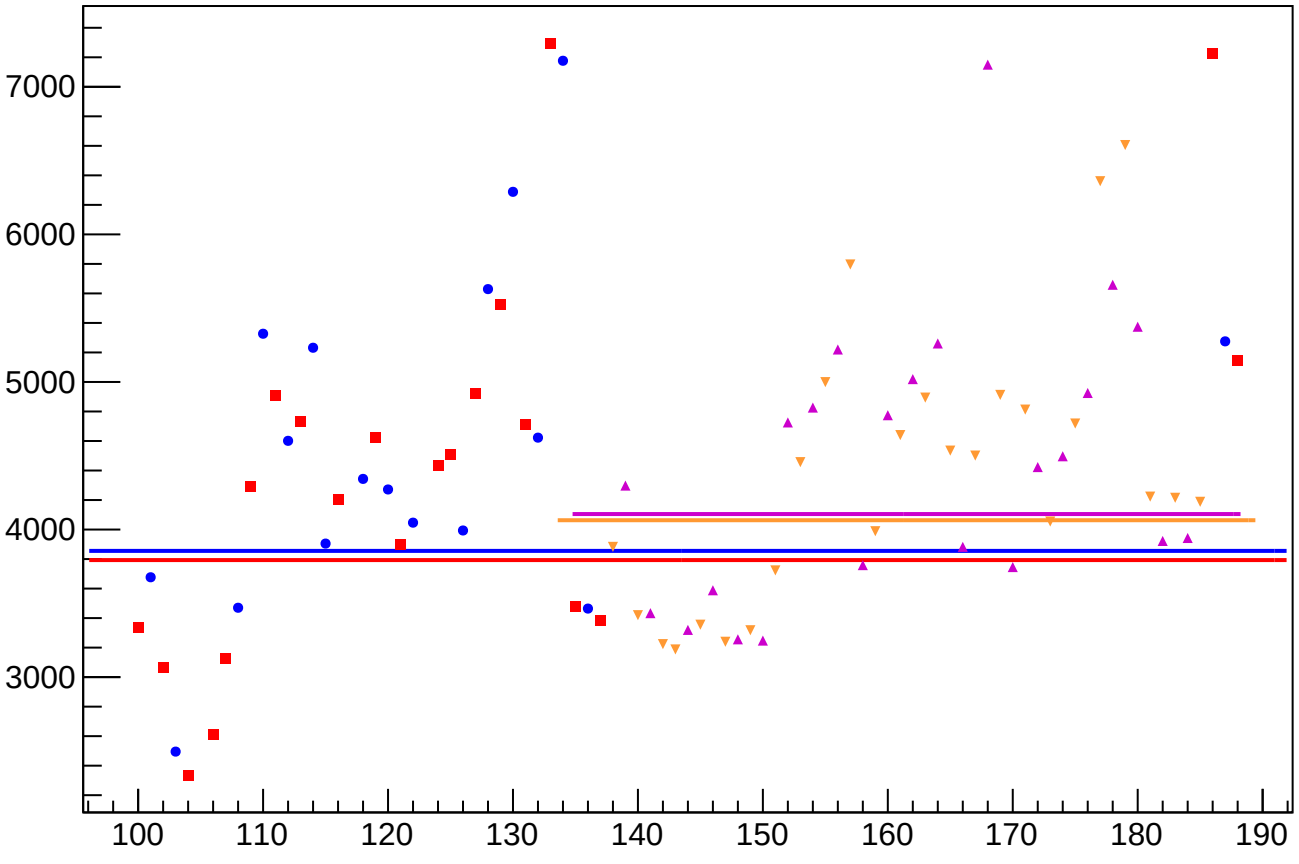
Right Out: -1559.959+/-1342.938 χ^2/NDF: 22.3/20

Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

\+ sign -163.525+/-795.828 χ^2/NDF: 40.8/41

All: -378.699+/-561.291 χ^2/NDF: 79.5/85

\- sign -591.677+/-791.757 χ^2/NDF: 38.6/43



Right In: 3855.382+/-1.039 χ^2/NDF: 983549.3/16

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3793.103+/-0.950 χ^2/NDF: 1463575.0/20

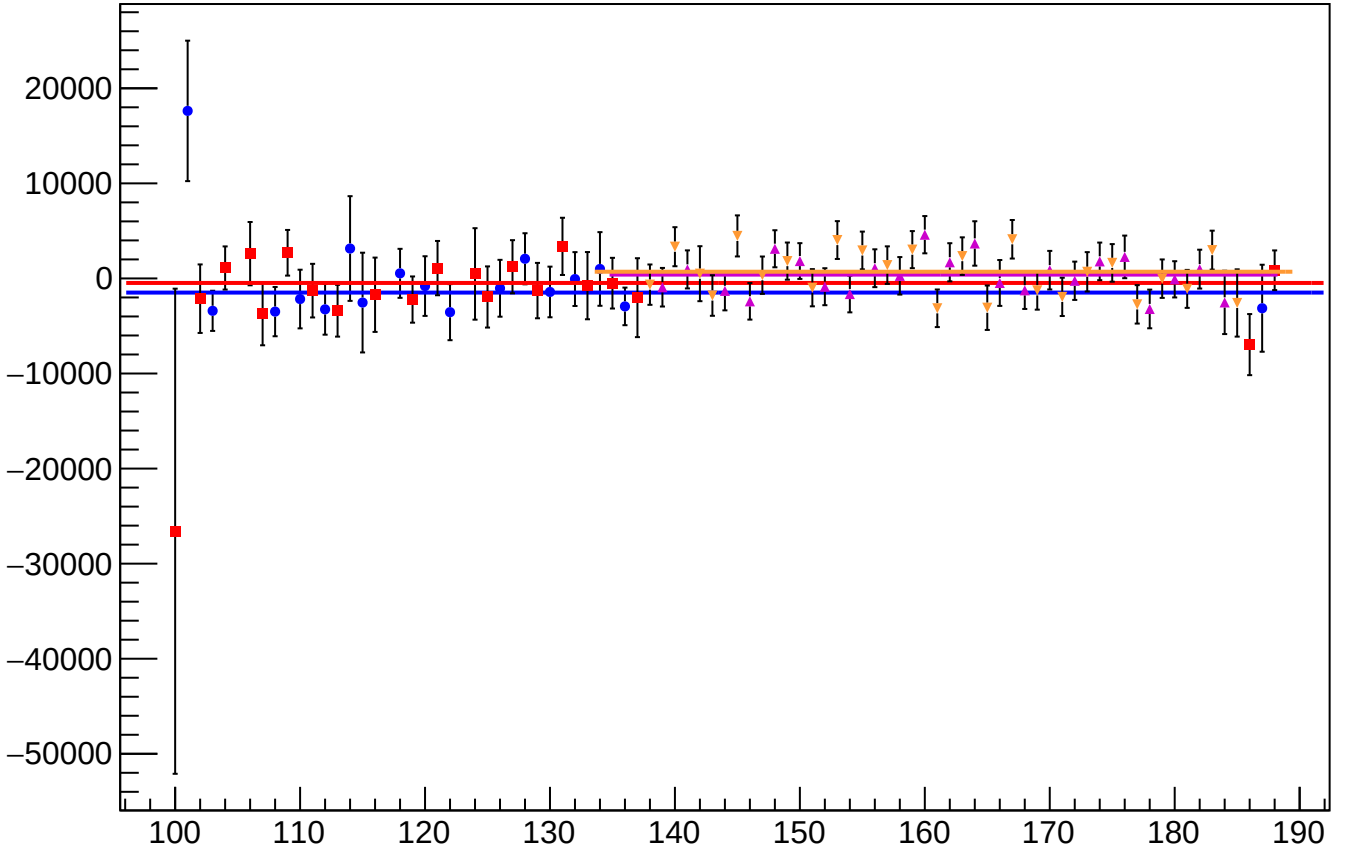
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4002.122+/-0.563 χ^2/NDF: 2416838.7/41

All: 3999.356+/-0.397 χ^2/NDF: 5310367.4/85

- sign 3996.619+/-0.560 χ^2/NDF: 2893480.7/43

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1488.067+/-714.274 χ^2/NDF: 13.6/16

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -474.615+/-652.795 χ^2/NDF: 14.4/20

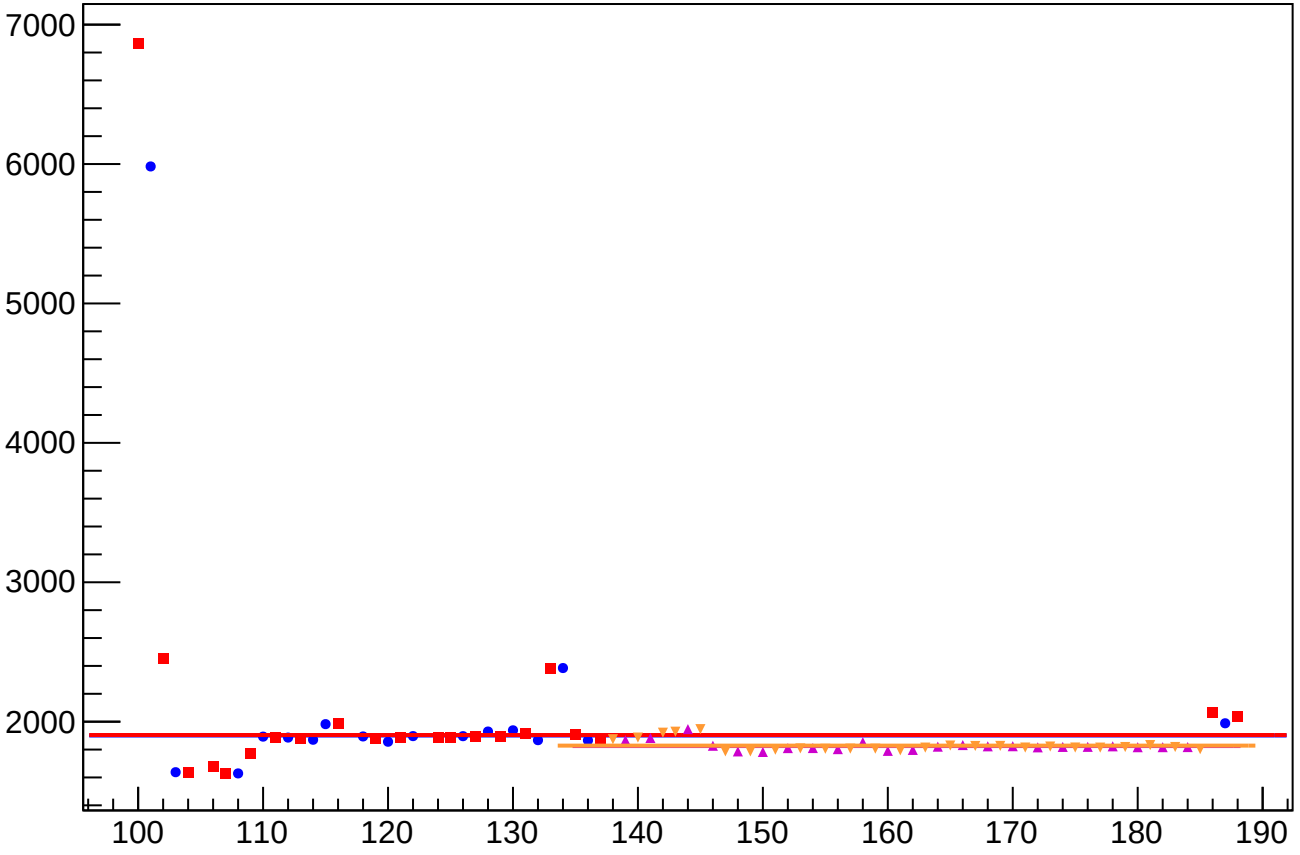
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 151.355+/-359.078 χ^2/NDF: 52.6/41

All: 145.988+/-253.127 χ^2/NDF: 89.0/85

- sign 140.686+/-356.882 χ^2/NDF: 36.4/43

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1901.013+/-0.505 χ^2/NDF: 698264.8/16

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

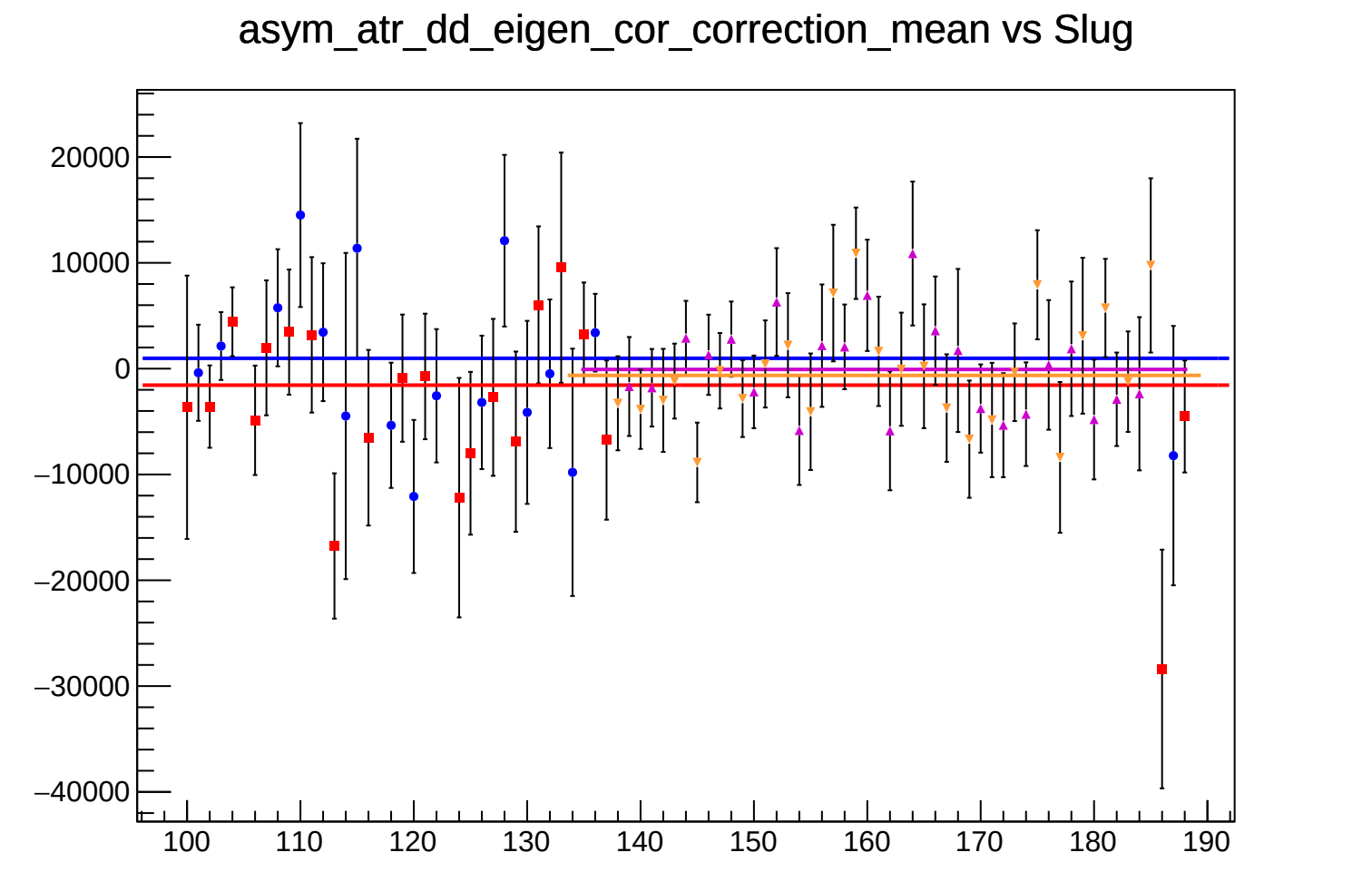
Right Out: 1904.252+/-0.461 χ^2/NDF: 232431.3/20

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1846.633+/-0.254 χ^2/NDF: 733106.5/41

All: 1847.747+/-0.179 χ^2/NDF: 999556.5/85

- sign 1848.846+/-0.252 χ^2/NDF: 266411.8/43



Right In: 977.486+/-1468.774 χ^2/NDF: 13.9/16

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1559.959+/-1342.938 χ^2/NDF: 22.3/20

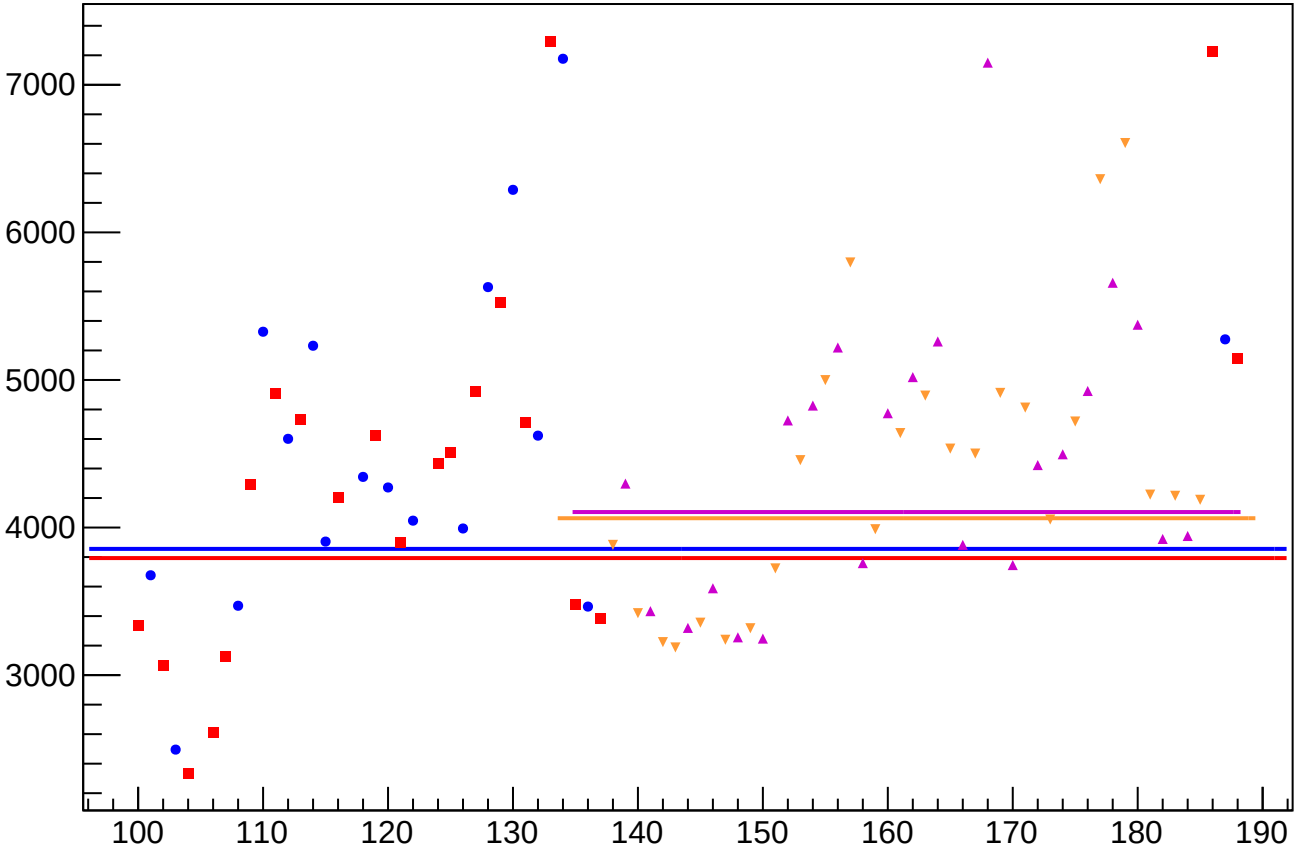
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

\+ sign -163.525+/-795.828 χ^2/NDF: 40.8/41

All: -378.699+/-561.291 χ^2/NDF: 79.5/85

\- sign -591.677+/-791.757 χ^2/NDF: 38.6/43

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 3855.382+/-1.039 χ^2/NDF: 983549.3/16

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3793.103+/-0.950 χ^2/NDF: 1463575.0/20

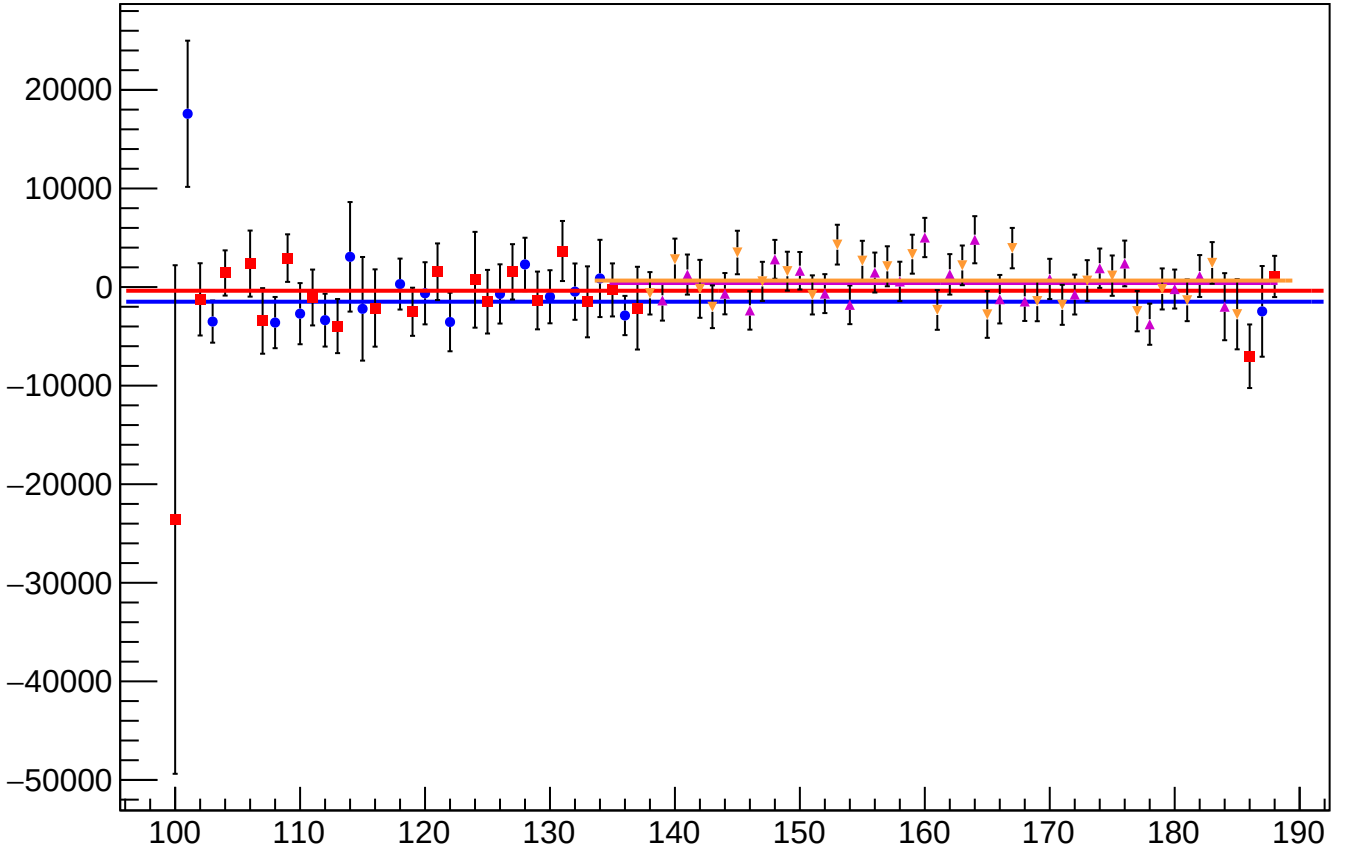
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4002.122+/-0.563 χ^2/NDF: 2416838.7/41

All: 3999.356+/-0.397 χ^2/NDF: 5310367.4/85

- sign 3996.619+/-0.560 χ^2/NDF: 2893480.7/43

dit_asym_atr_dd_mean vs Slug



Right In: -1487.177+/-719.317 χ^2/NDF: 13.6/16

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -374.468+/-657.290 χ^2/NDF: 15.6/20

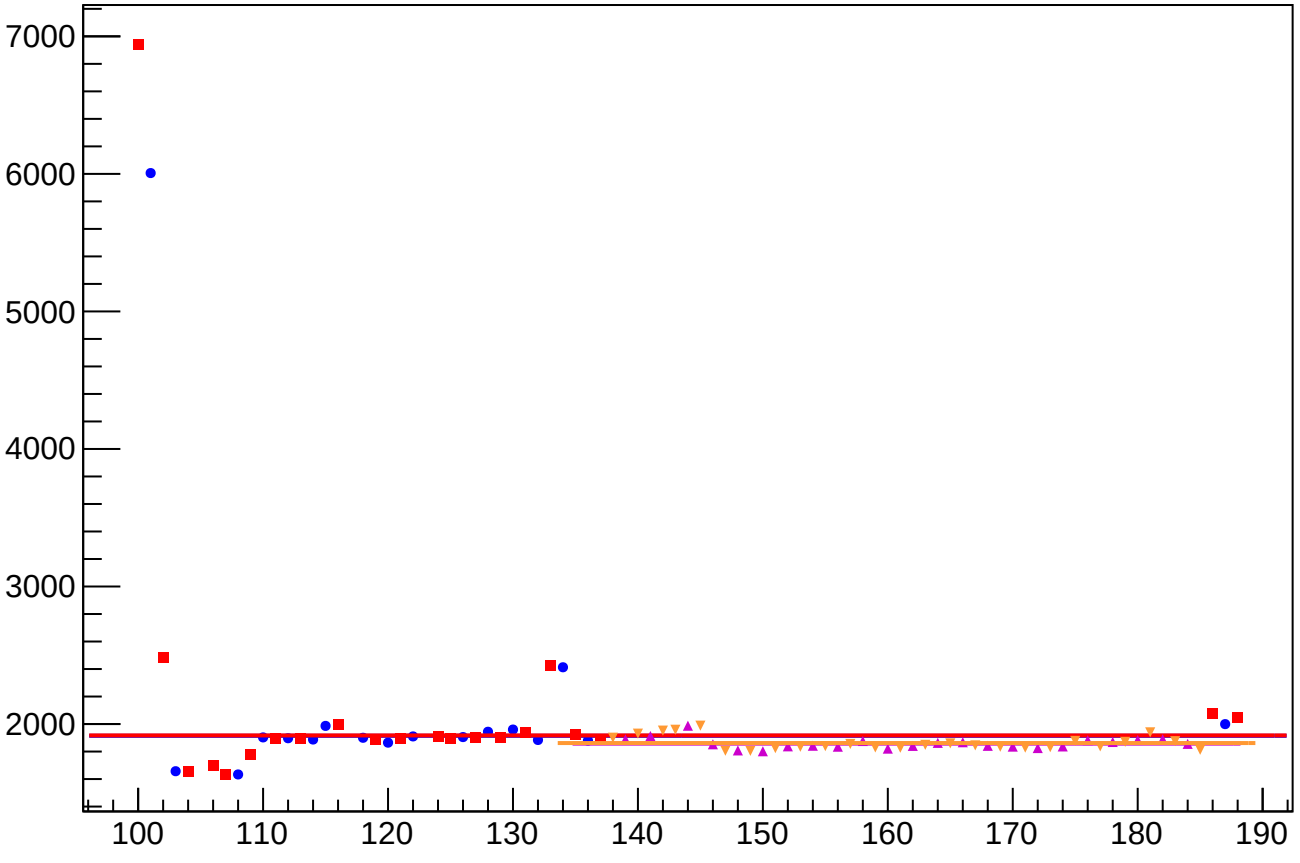
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 106.381+/-364.667 χ^2/NDF: 47.3/41

All: 139.696+/-256.942 χ^2/NDF: 87.5/85

- sign 172.542+/-362.089 χ^2/NDF: 40.2/43

dit_asym_atr_dd_rms vs Slug



Right In: 1914.506+/-0.509 χ^2/NDF: 696918.8/16

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

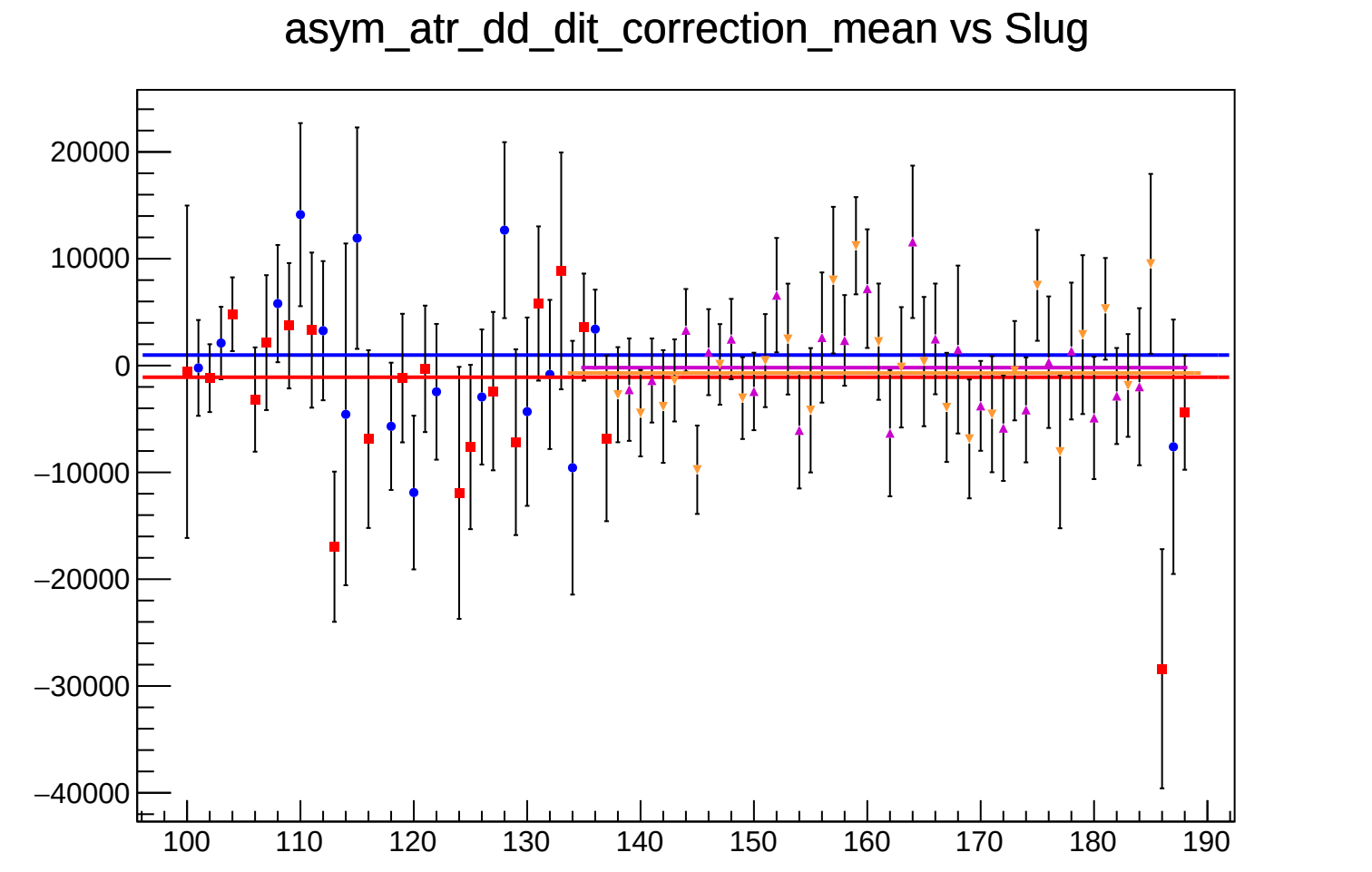
Right Out: 1917.234+/-0.464 χ^2/NDF: 234273.0/20

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1875.295+/-0.258 χ^2/NDF: 730932.9/41

All: 1875.530+/-0.182 χ^2/NDF: 993046.6/85

- sign 1875.763+/-0.256 χ^2/NDF: 262112.1/43



Right In: 984.358+/-1485.968 χ^2/NDF: 14.0/16

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

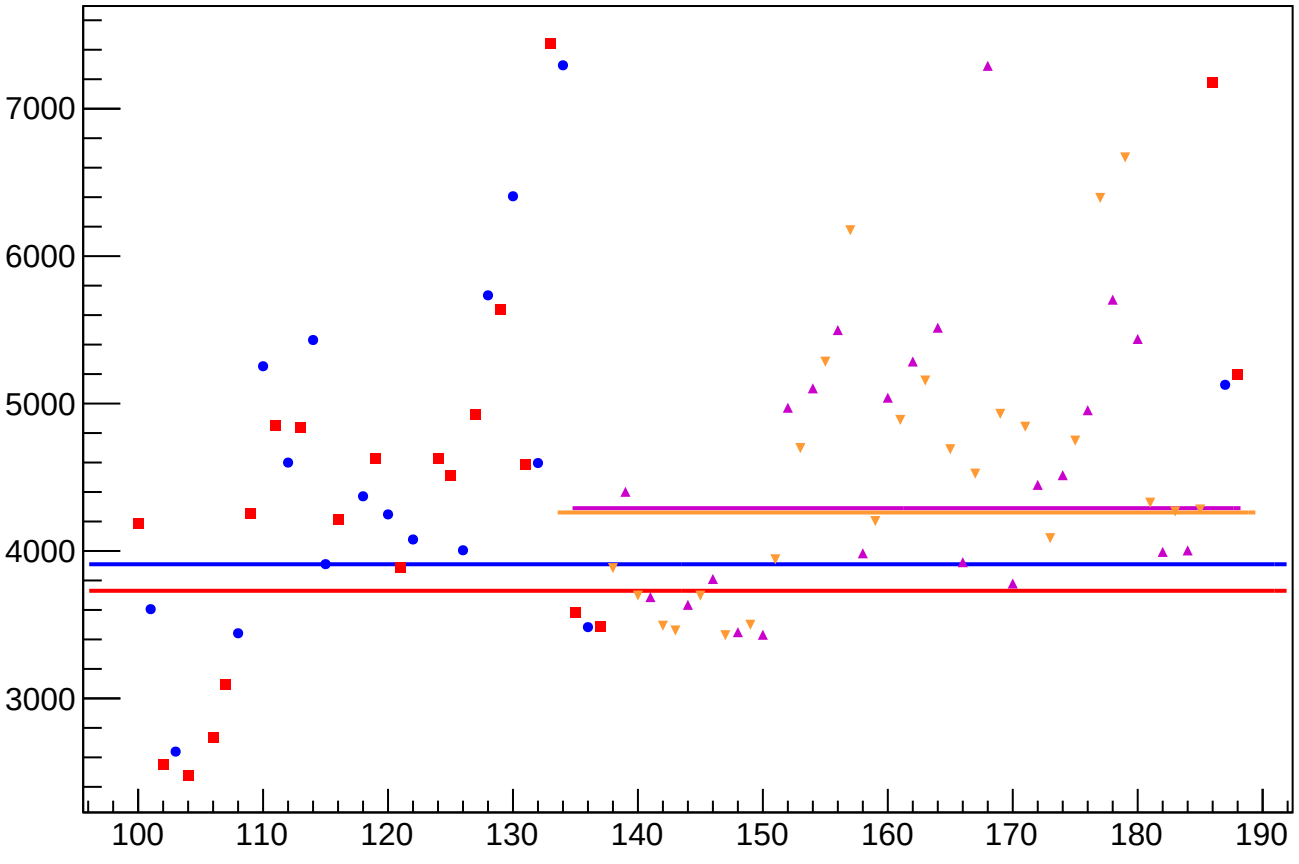
Right Out: -1091.450+/-1318.625 χ^2/NDF: 21.6/20

Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -180.992+/-823.915 χ^2/NDF: 40.2/41

All: -358.915+/-576.893 χ^2/NDF: 77.3/85

- sign -530.037+/-808.016 χ^2/NDF: 37.0/43



Right In: 3909.956+/-1.051 χ^2/NDF: 899639.8/16

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

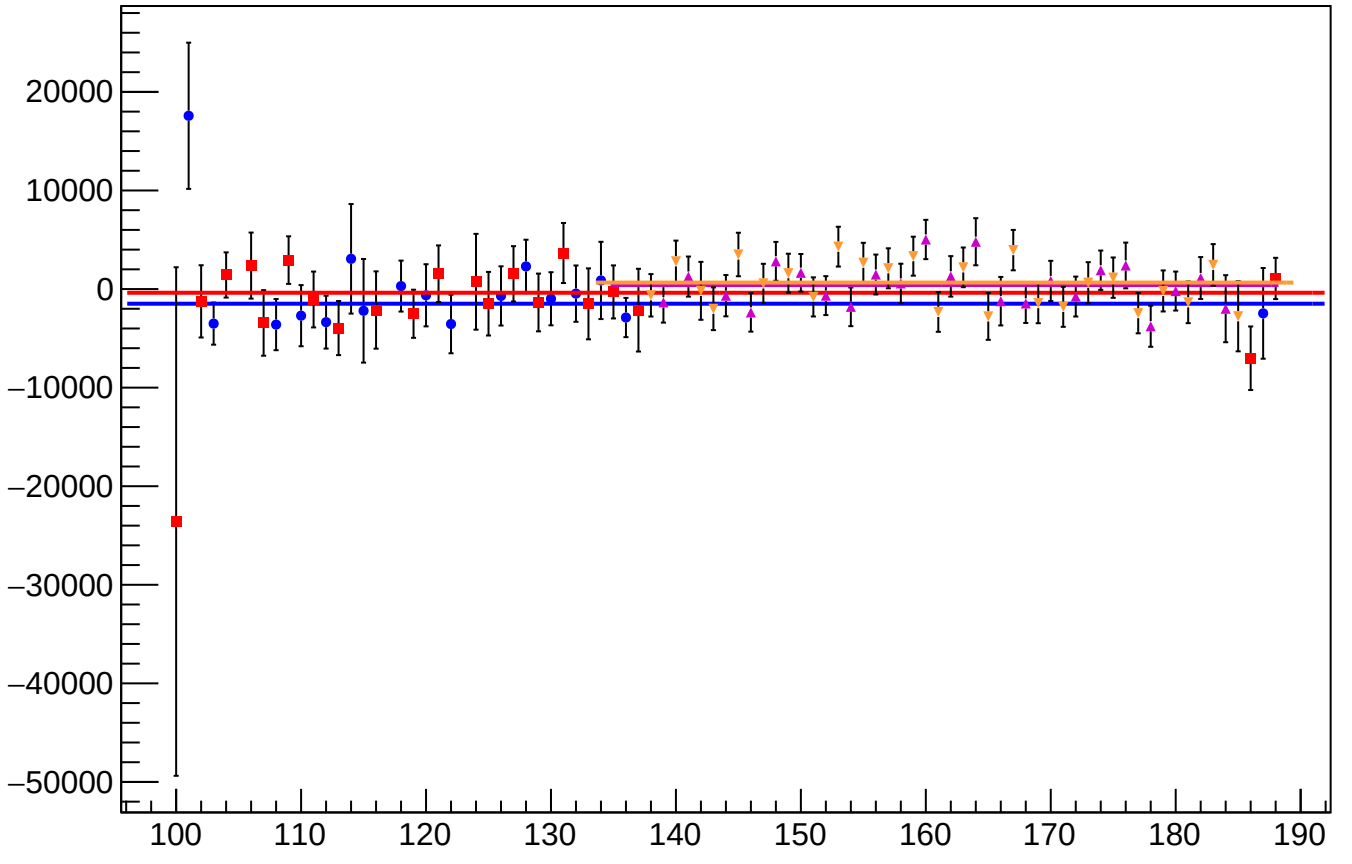
Right Out: 3730.016+/-0.932 χ^2/NDF: 1585666.6/20

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4153.164+/-0.583 χ^2/NDF: 2167559.1/41

All: 4115.860+/-0.408 χ^2/NDF: 5200811.0/85

- sign 4079.981+/-0.571 χ^2/NDF: 3025208.3/43



Right In: -1487.183+/-719.317 χ^2/NDF: 13.6/16

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -374.461+/-657.290 χ^2/NDF: 15.6/20

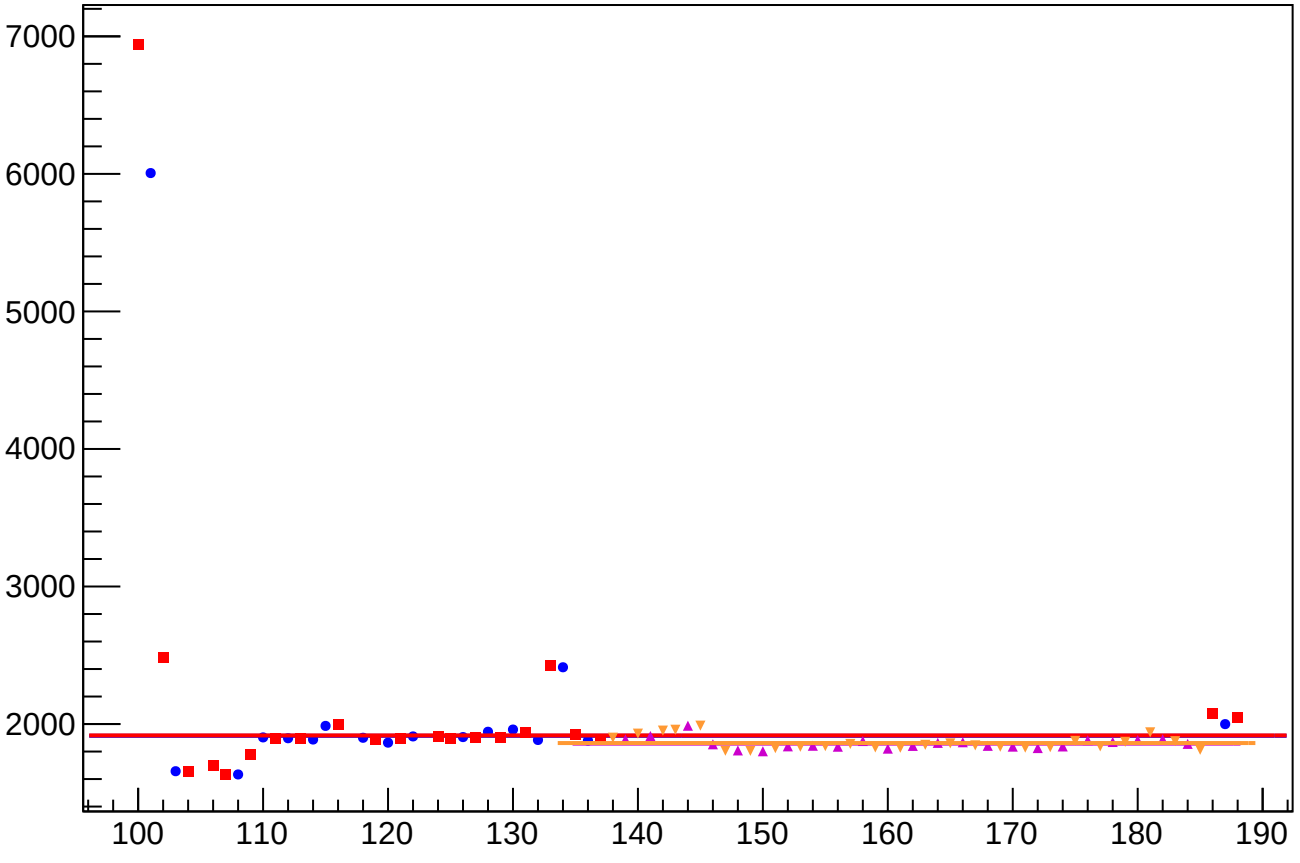
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 106.383+/-364.667 χ^2/NDF: 47.3/41

All: 139.698+/-256.942 χ^2/NDF: 87.5/85

- sign 172.544+/-362.089 χ^2/NDF: 40.2/43

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1914.506+/-0.509 χ^2/NDF: 696918.7/16

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

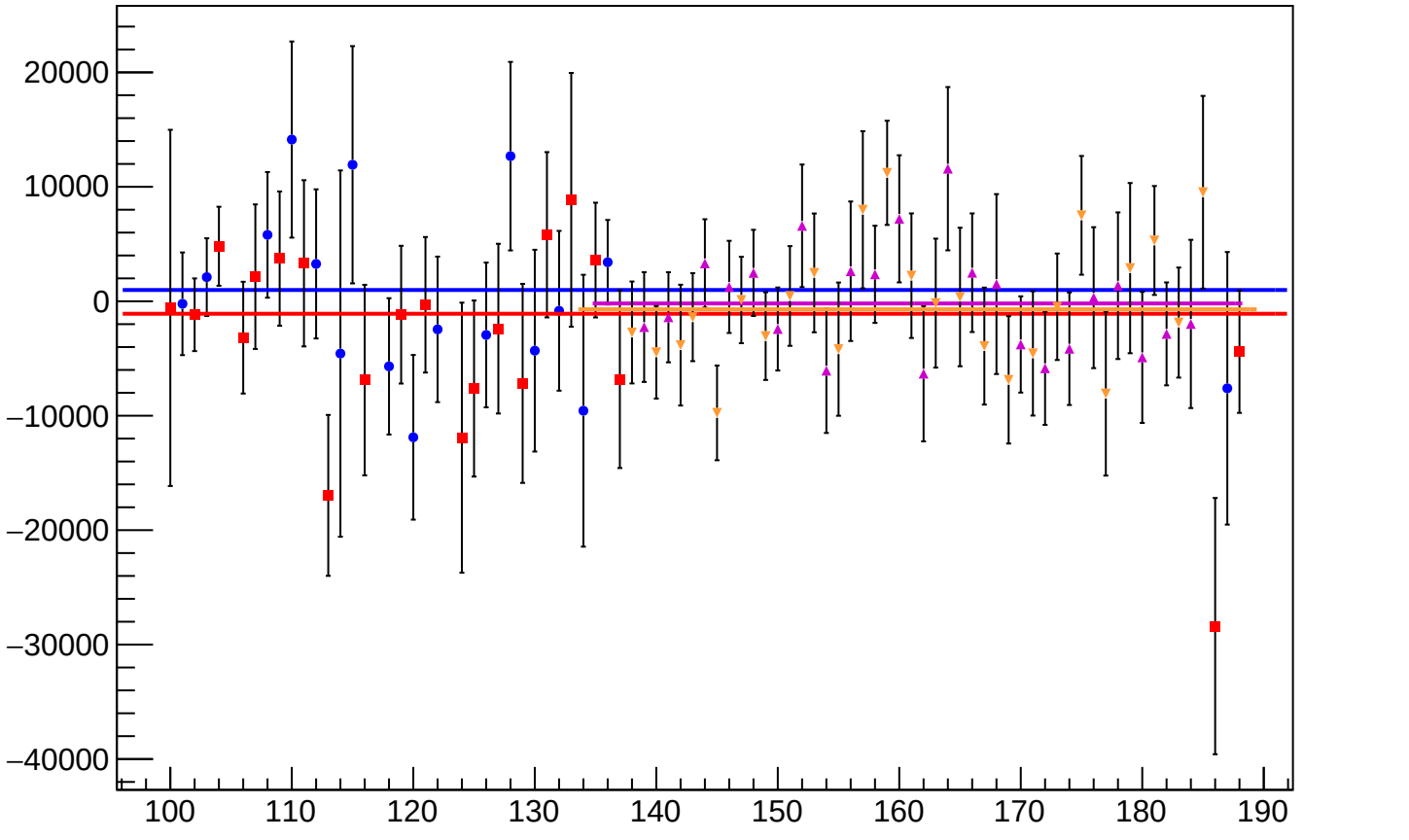
Right Out: 1917.234+/-0.464 χ^2/NDF: 234273.0/20

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1875.295+/-0.258 χ^2/NDF: 730932.5/41

All: 1875.531+/-0.182 χ^2/NDF: 993046.0/85

- sign 1875.763+/-0.256 χ^2/NDF: 262111.8/43



Right In: 984.345+/-1485.967 χ^2/NDF: 14.0/16

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1091.449+/-1318.623 χ^2/NDF: 21.6/20

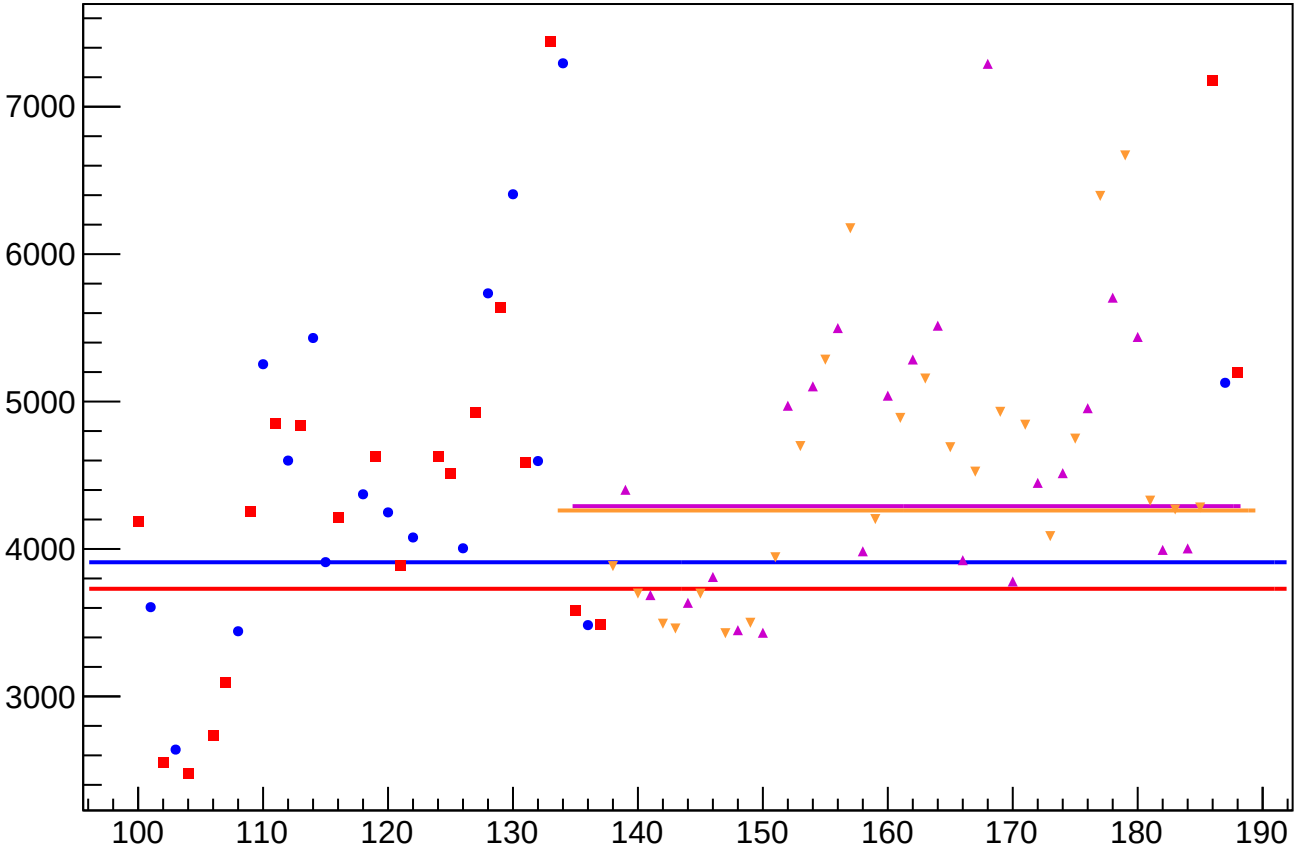
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -180.993+/-823.916 χ^2/NDF: 40.2/41

All: -358.916+/-576.893 χ^2/NDF: 77.3/85

- sign -530.039+/-808.017 χ^2/NDF: 37.0/43

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3909.953+/-1.051 χ^2/NDF: 899631.3/16

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 3730.014+/-0.932 χ^2/NDF: 1585659.8/20

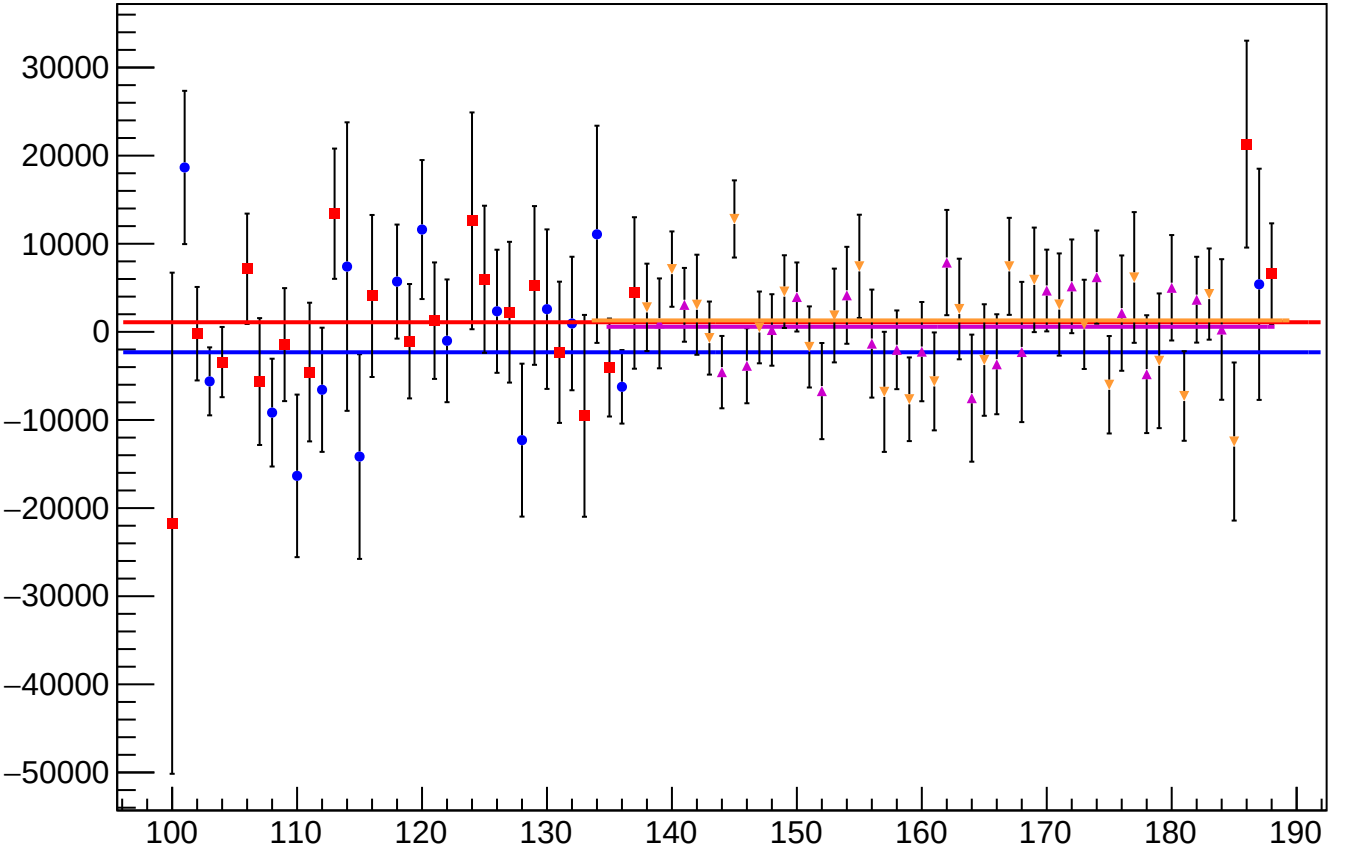
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4153.168+/-0.583 χ^2/NDF: 2167557.6/41

All: 4115.863+/-0.408 χ^2/NDF: 5200816.1/85

- sign 4079.983+/-0.571 χ^2/NDF: 3025214.7/43

asym_atr_dd_mean vs Slug



Right In: -2315.725+/-1705.107 χ^2/NDF: 21.2/16

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1092.732+/-1547.542 χ^2/NDF: 14.8/20

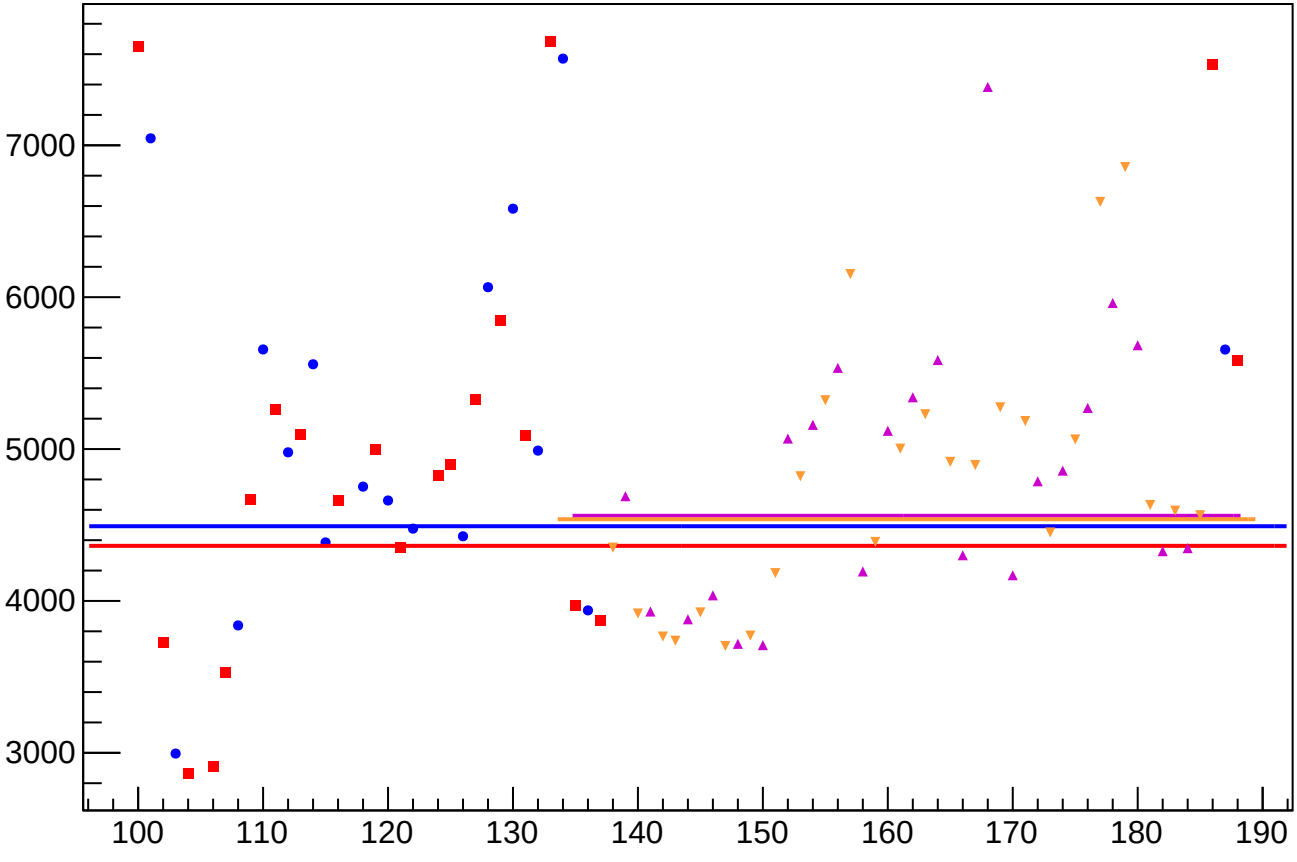
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

\+ sign 305.304+/-893.802 χ^2/NDF: 52.9/41

All: 527.372+/-629.532 χ^2/NDF: 82.4/85

\- sign 745.986+/-886.823 χ^2/NDF: 29.3/43

asym_atr_dd_rms vs Slug



Right In: 4491.894+/-1.206 χ^2/NDF: 907675.6/16

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4362.753+/-1.086 χ^2/NDF: 1101599.6/20

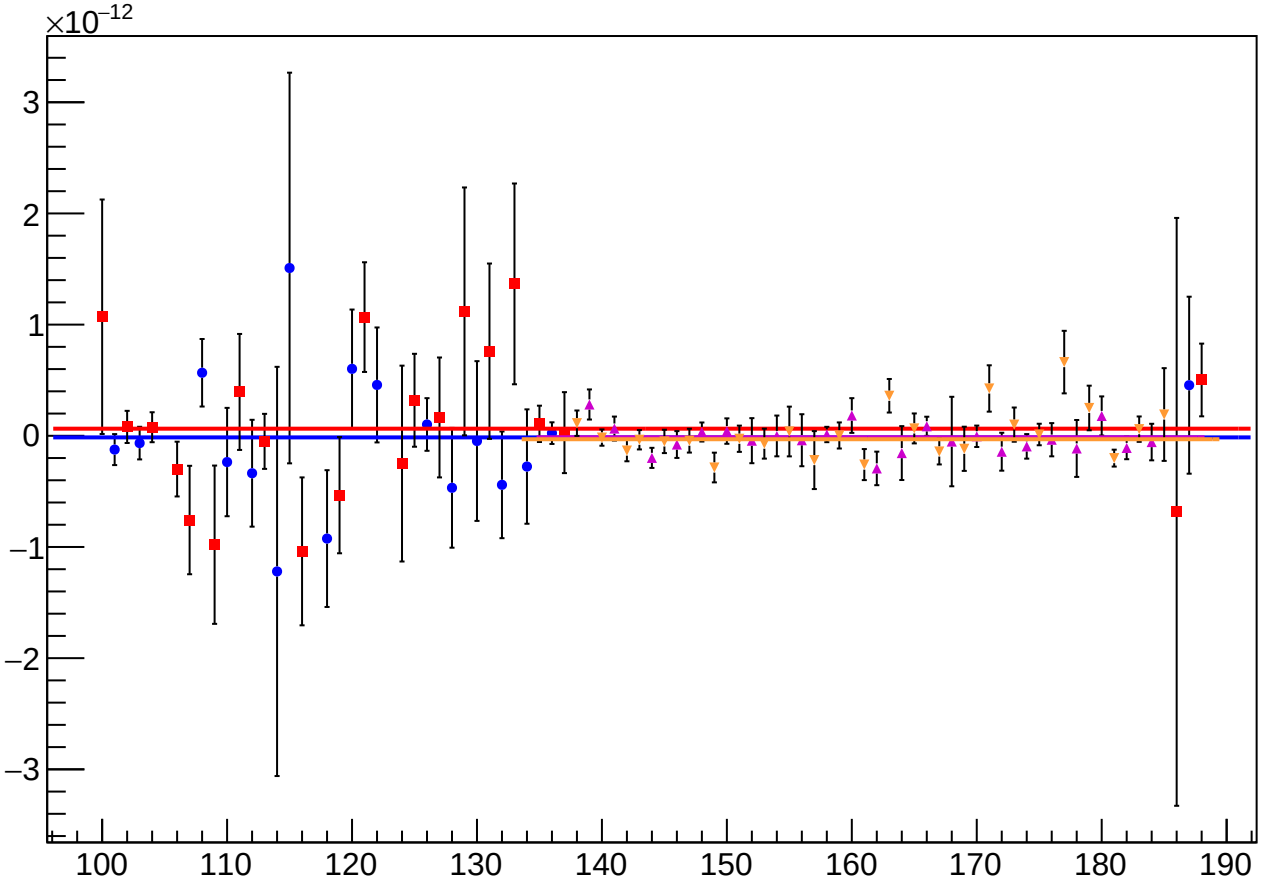
Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4525.283+/-0.632 χ^2/NDF: 1901638.5/41

All: 4509.942+/-0.445 χ^2/NDF: 4006759.5/85

- sign 4494.914+/-0.626 χ^2/NDF: 2103954.7/43

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/20

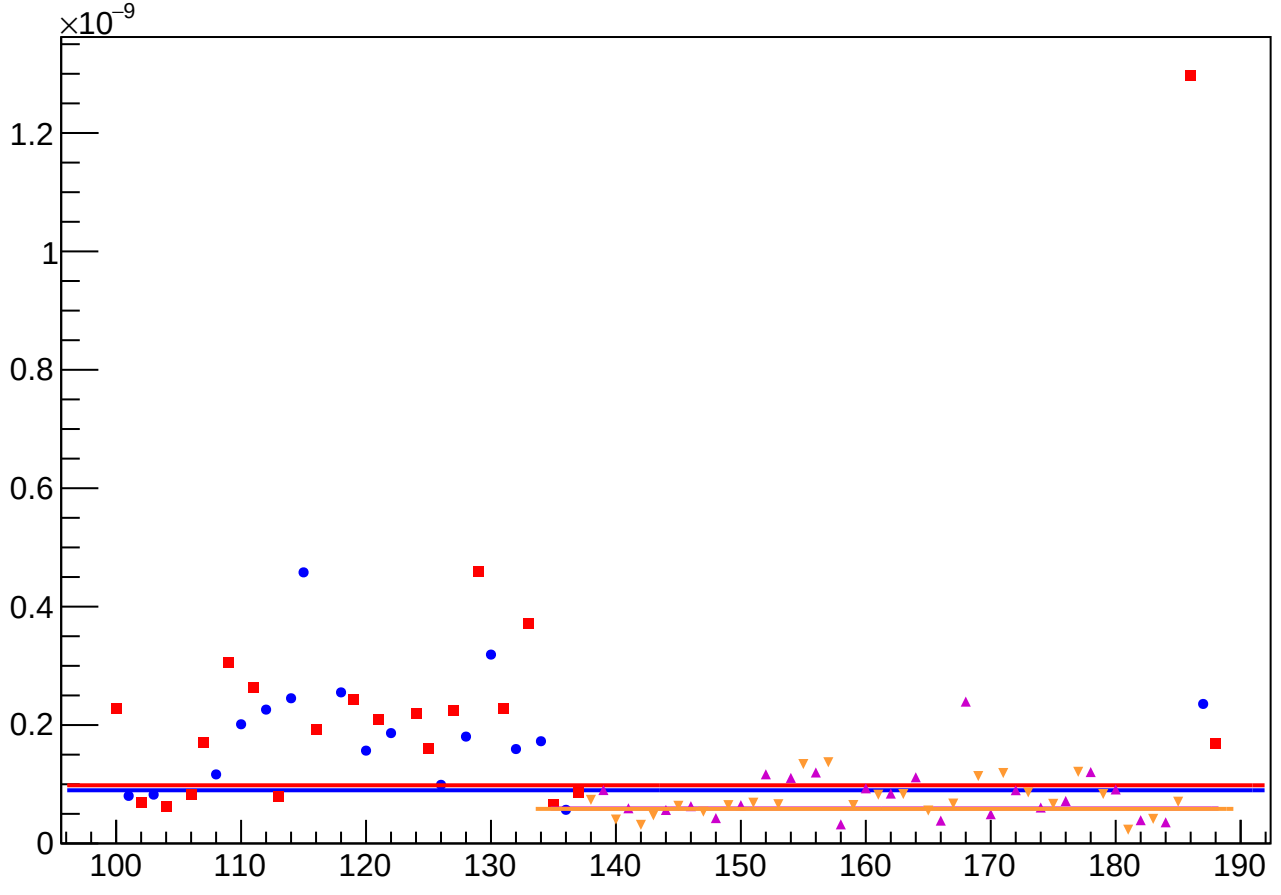
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.1/41

All: -0.000+/-0.000 χ^2/NDF: 96.6/85

- sign -0.000+/-0.000 χ^2/NDF: 45.0/43

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1297753.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2206850.3/20

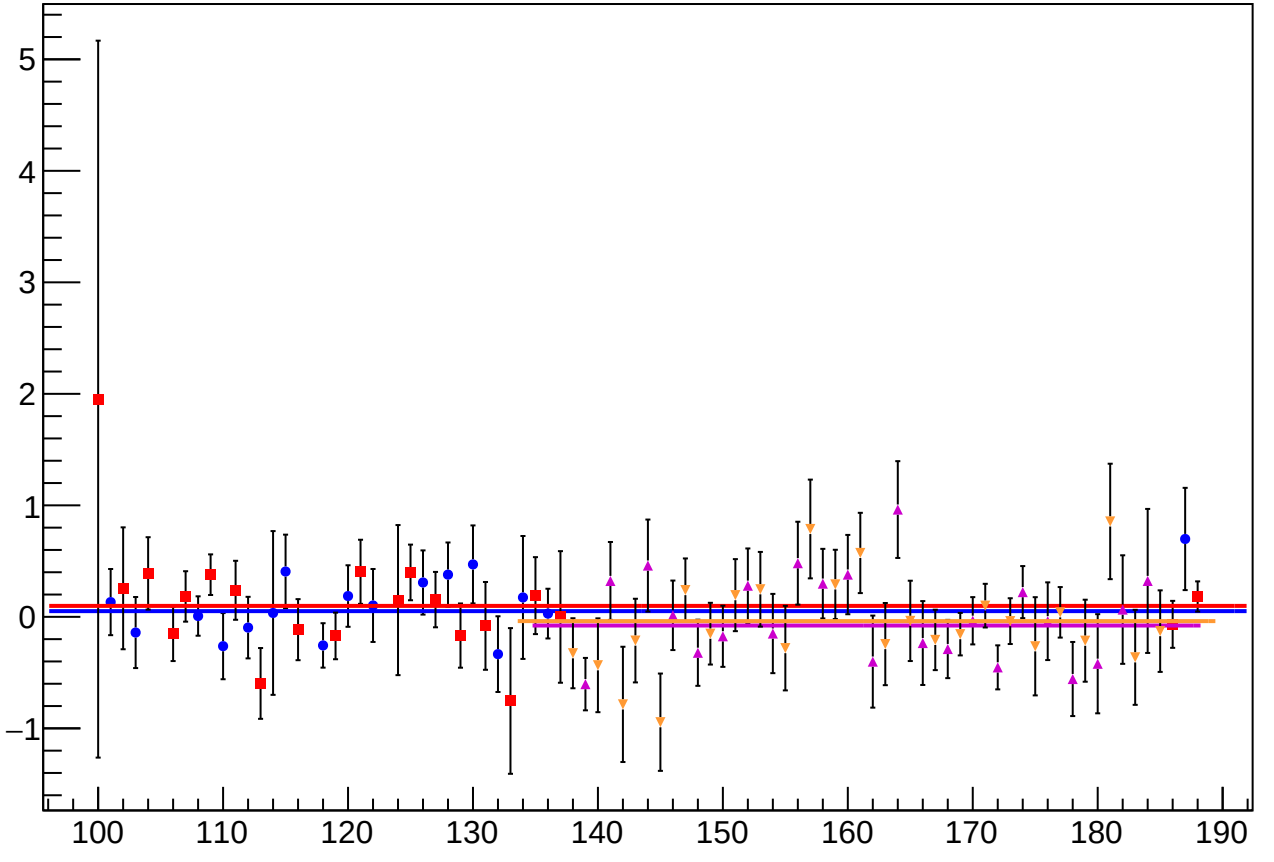
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3686136.8/41

All: 0.000+/-0.000 χ^2/NDF: 8602401.6/85

- sign 0.000+/-0.000 χ^2/NDF: 4912379.1/43

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.051+/-0.070 χ^2/NDF: 12.6/16

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.098+/-0.058 χ^2/NDF: 18.6/20

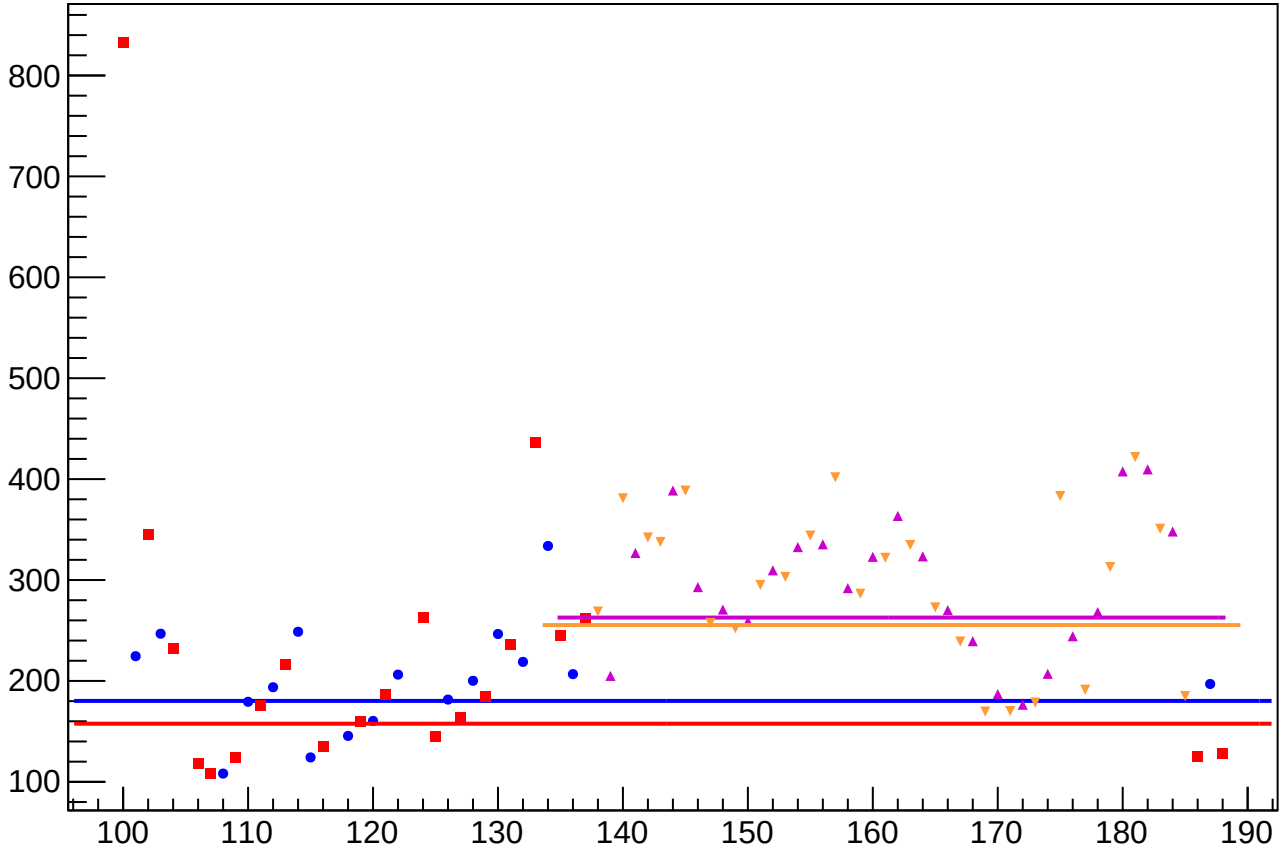
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.001+/-0.046 χ^2/NDF: 37.9/41

All: 0.011+/-0.032 χ^2/NDF: 91.8/85

- sign 0.020+/-0.043 χ^2/NDF: 53.8/43

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 180.194+/-0.049 χ^2/NDF: 921283.4/16

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 157.626+/-0.041 χ^2/NDF: 1601794.7/20

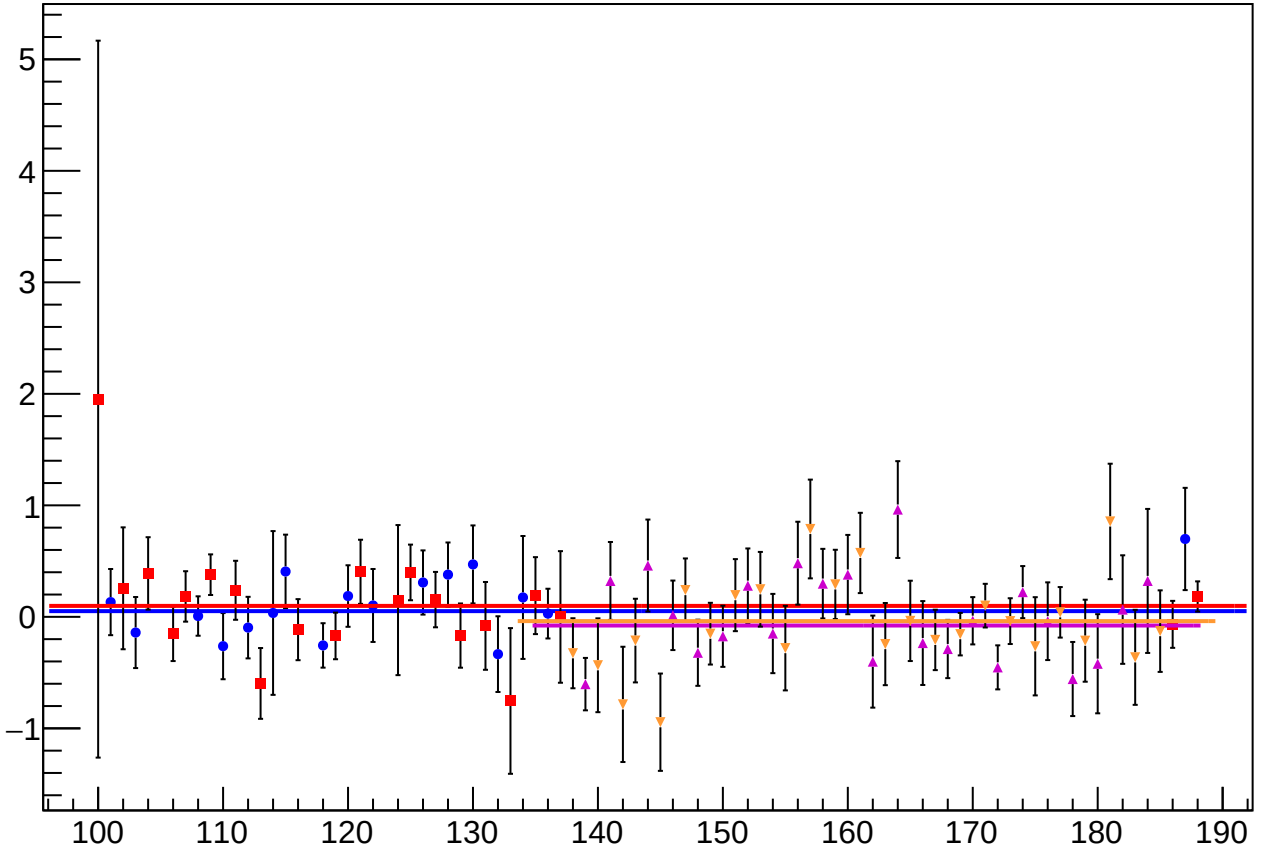
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 222.231+/-0.033 χ^2/NDF: 5155203.9/41

All: 212.755+/-0.022 χ^2/NDF: 11852790.6/85

- sign 204.468+/-0.031 χ^2/NDF: 6540607.5/43

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.051+/-0.070 χ^2/NDF: 12.6/16

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.098+/-0.058 χ^2/NDF: 18.6/20

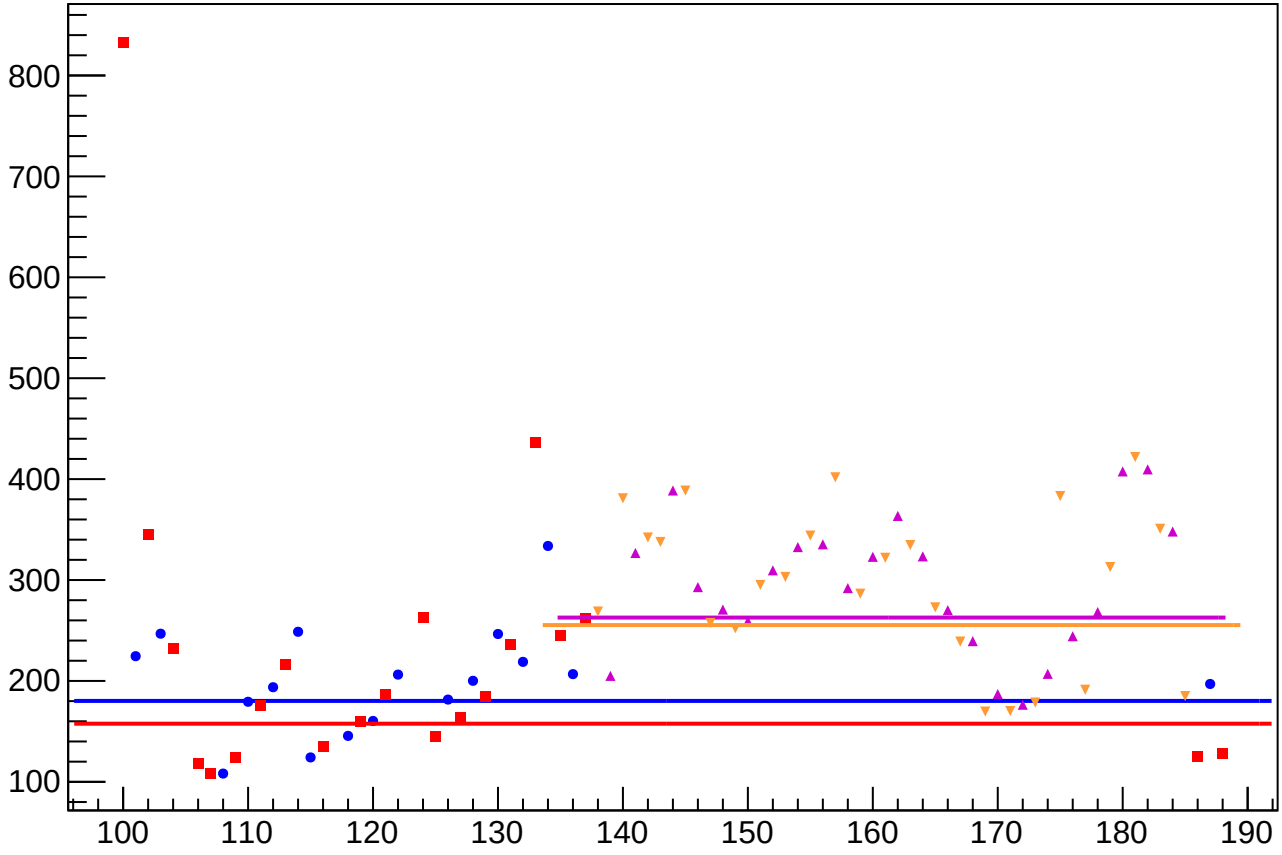
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.001+/-0.046 χ^2/NDF: 37.9/41

All: 0.011+/-0.032 χ^2/NDF: 91.8/85

- sign 0.020+/-0.043 χ^2/NDF: 53.8/43

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 180.194+/-0.049 χ^2/NDF: 921283.4/16

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 157.626+/-0.041 χ^2/NDF: 1601794.7/20

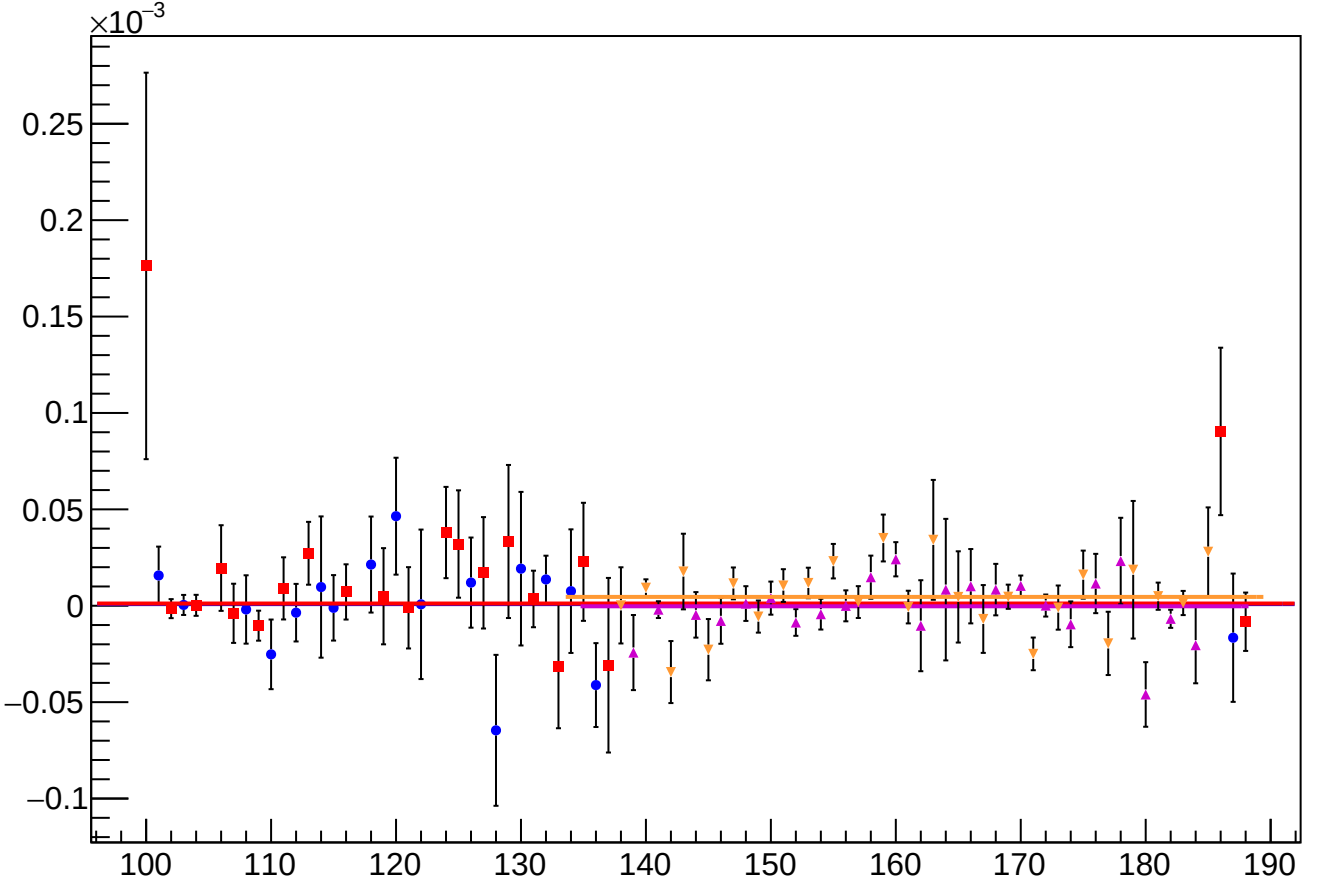
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 222.231+/-0.033 χ^2/NDF: 5155203.9/41

All: 212.755+/-0.022 χ^2/NDF: 11852790.6/85

- sign 204.468+/-0.031 χ^2/NDF: 6540607.5/43

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

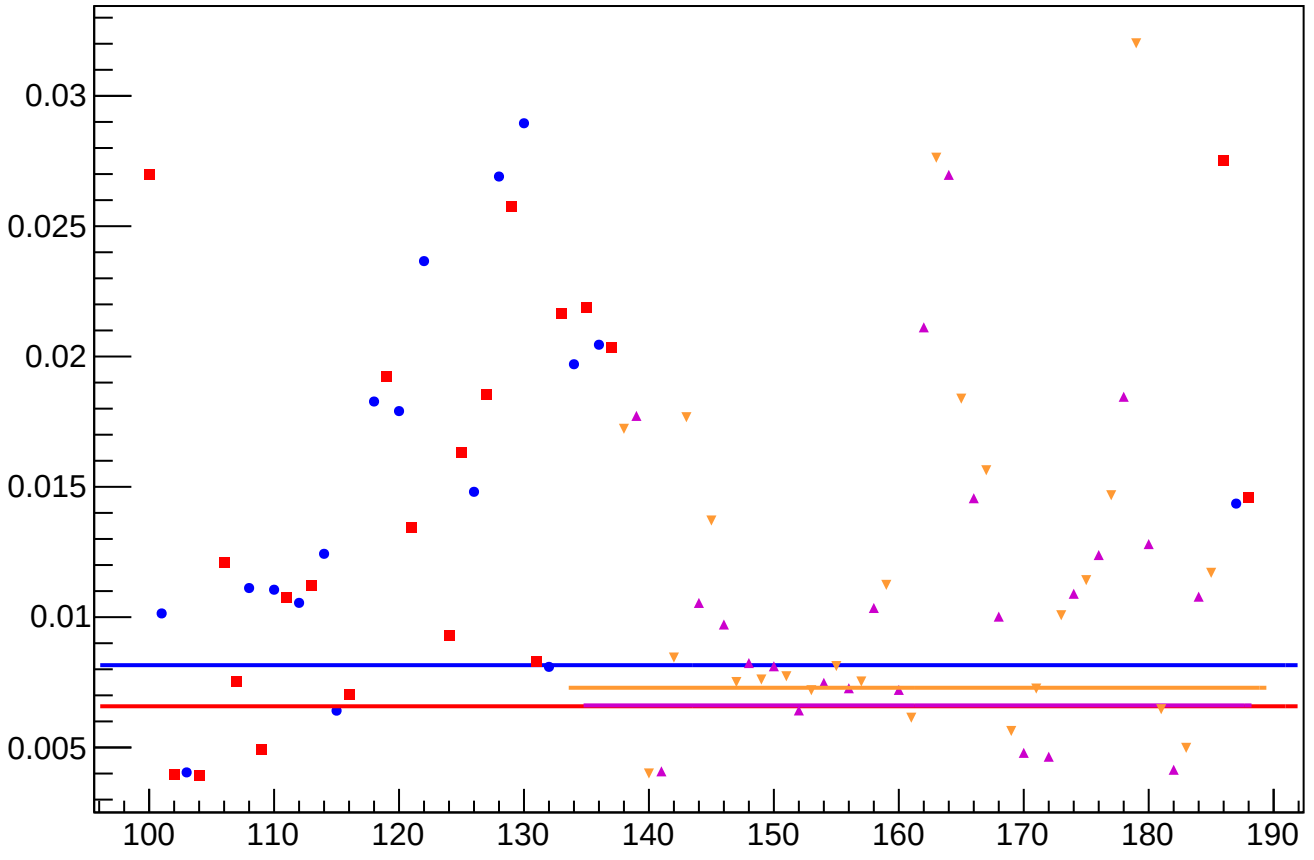
Right Out: 0.000+/-0.000 χ^2/NDF: 20.6/20

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.7/41

All: 0.000+/-0.000 χ^2/NDF: 113.4/85

- sign 0.000+/-0.000 χ^2/NDF: 52.0/43



Right In: 0.008+/-0.000 χ^2/NDF: 4483758.3/16

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5620917.0/20

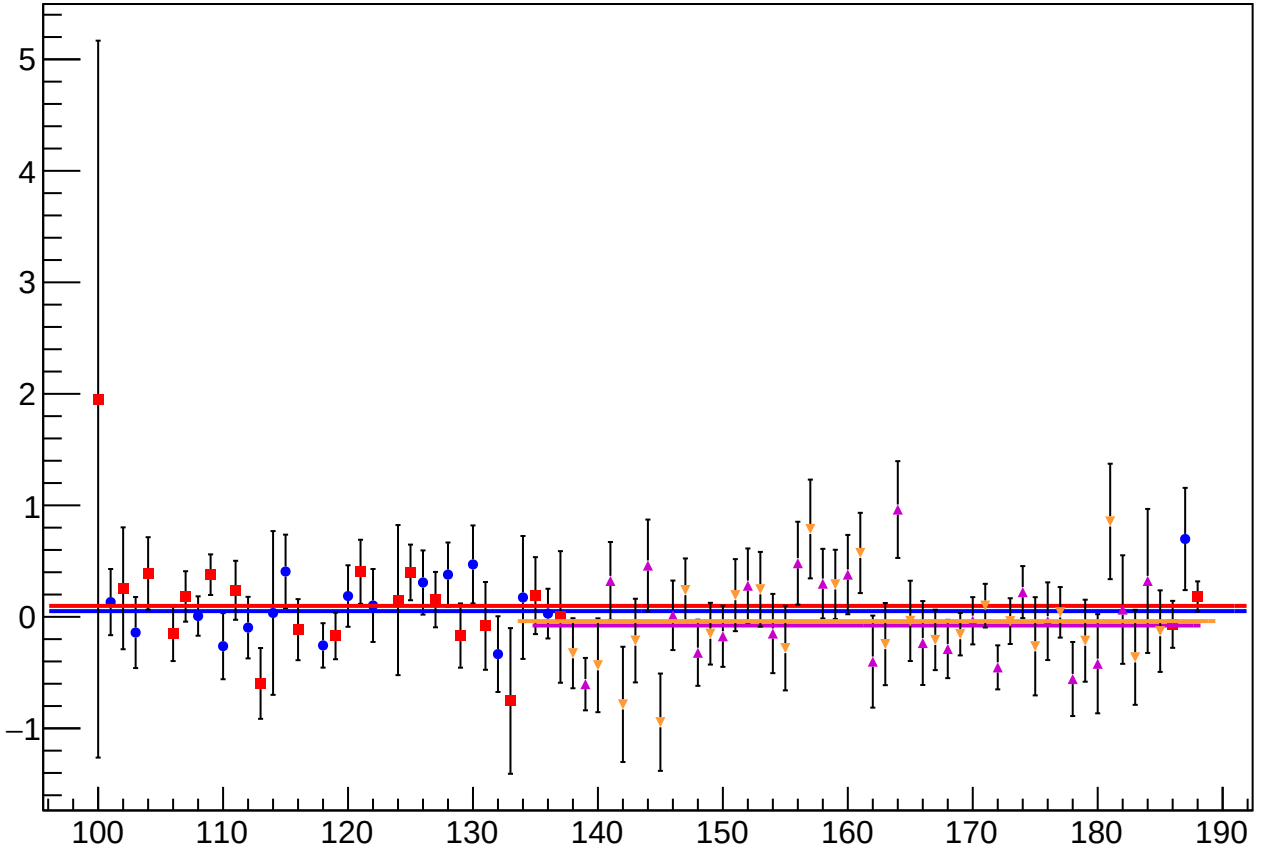
Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 11343348.2/41

All: 0.007+/-0.000 χ^2/NDF: 23669877.4/85

- sign 0.007+/-0.000 χ^2/NDF: 12031265.6/43

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.051+/-0.070 χ^2/NDF: 12.6/16

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.098+/-0.058 χ^2/NDF: 18.6/20

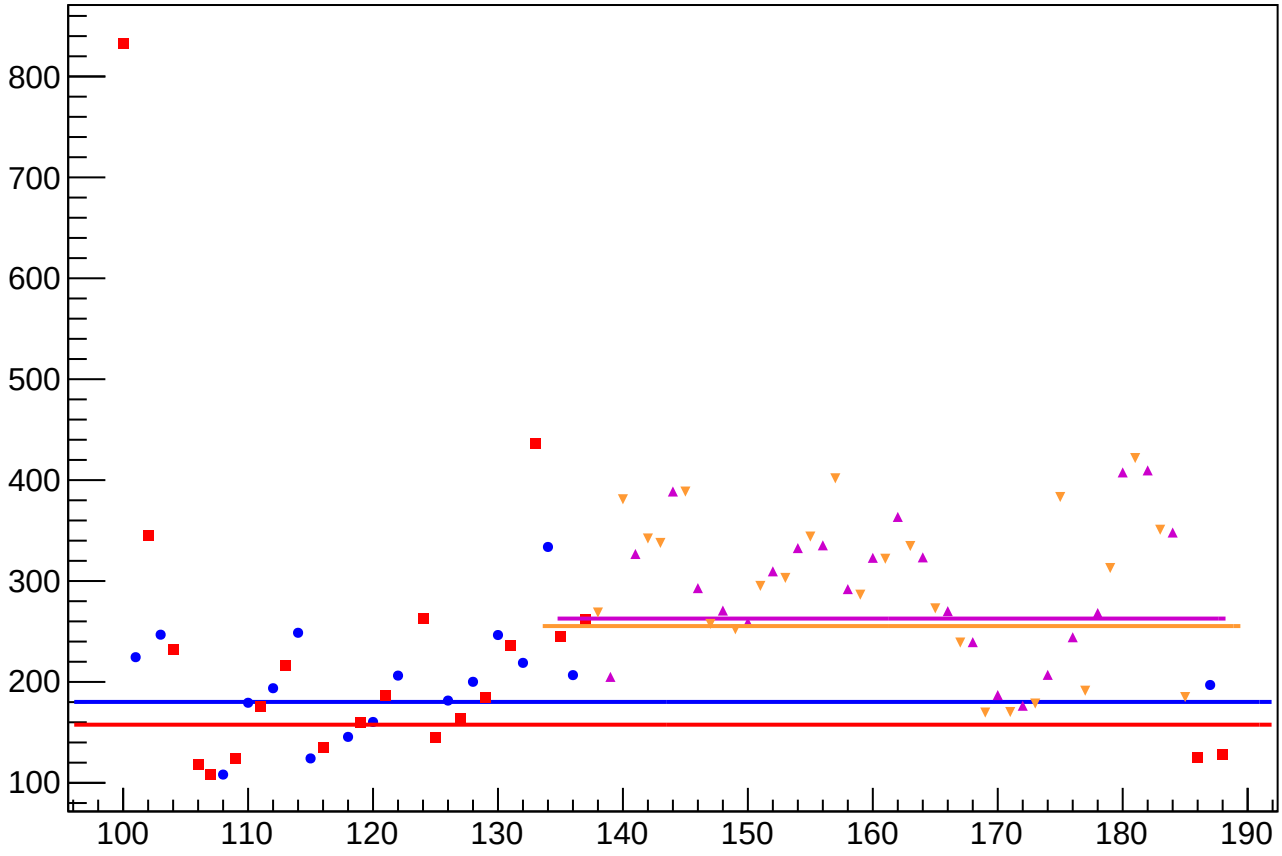
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.001+/-0.046 χ^2/NDF: 37.9/41

All: 0.011+/-0.032 χ^2/NDF: 91.8/85

- sign 0.020+/-0.043 χ^2/NDF: 53.8/43

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 180.191+/-0.049 χ^2/NDF: 921329.8/16

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

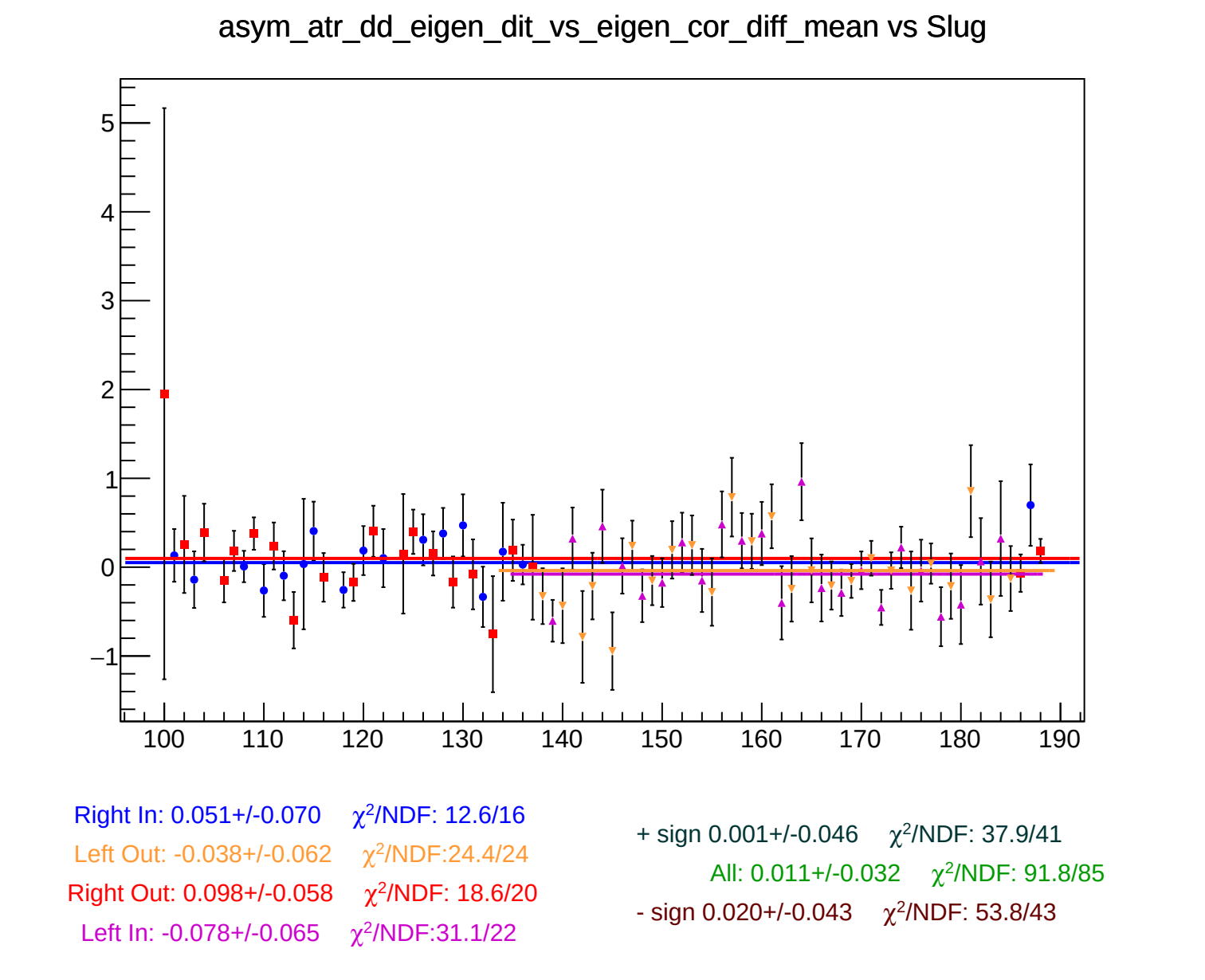
Right Out: 157.628+/-0.041 χ^2/NDF: 1601753.1/20

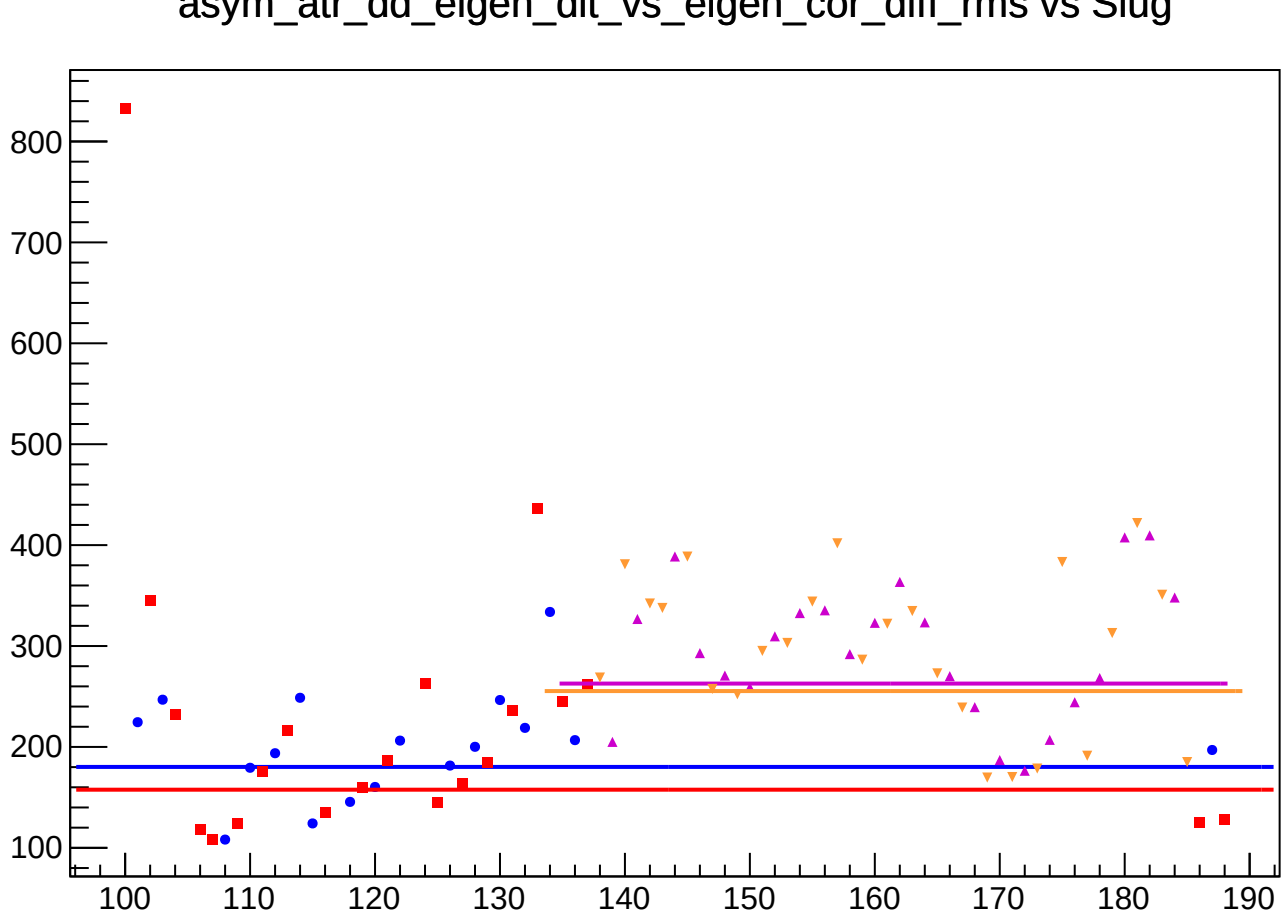
Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 222.230+/-0.033 χ^2/NDF: 5155517.3/41

All: 212.755+/-0.022 χ^2/NDF: 11853056.2/85

- sign 204.470+/-0.031 χ^2/NDF: 6540608.2/43


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.051+/-0.070 χ²/NDF: 12.6/16
Left Out: -0.038+/-0.062 χ²/NDF:24.4/24
Right Out: 0.098+/-0.058 χ²/NDF: 18.6/20
Left In: -0.078+/-0.065 χ²/NDF:31.1/22
+ sign 0.001+/-0.046 χ²/NDF: 37.9/41
All: 0.011+/-0.032 χ²/NDF: 91.8/85
- sign 0.020+/-0.043 χ²/NDF: 53.8/43



Right In: 180.191+/-0.049 χ^2/NDF: 921329.8/16

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

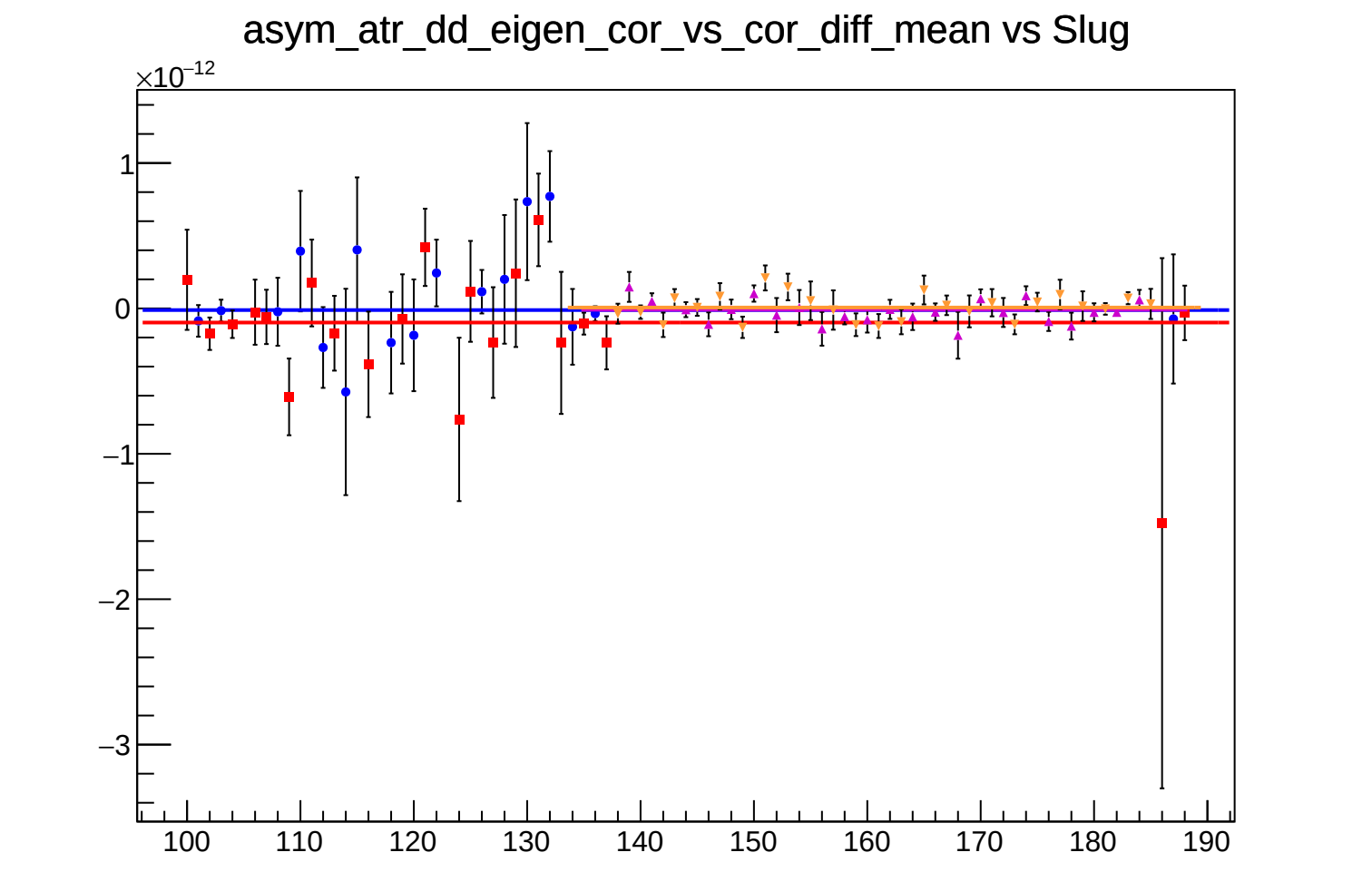
Right Out: 157.628+/-0.041 χ^2/NDF: 1601753.1/20

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 222.230+/-0.033 χ^2/NDF: 5155517.3/41

All: 212.755+/-0.022 χ^2/NDF: 11853056.2/85

- sign 204.470+/-0.031 χ^2/NDF: 6540608.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/20

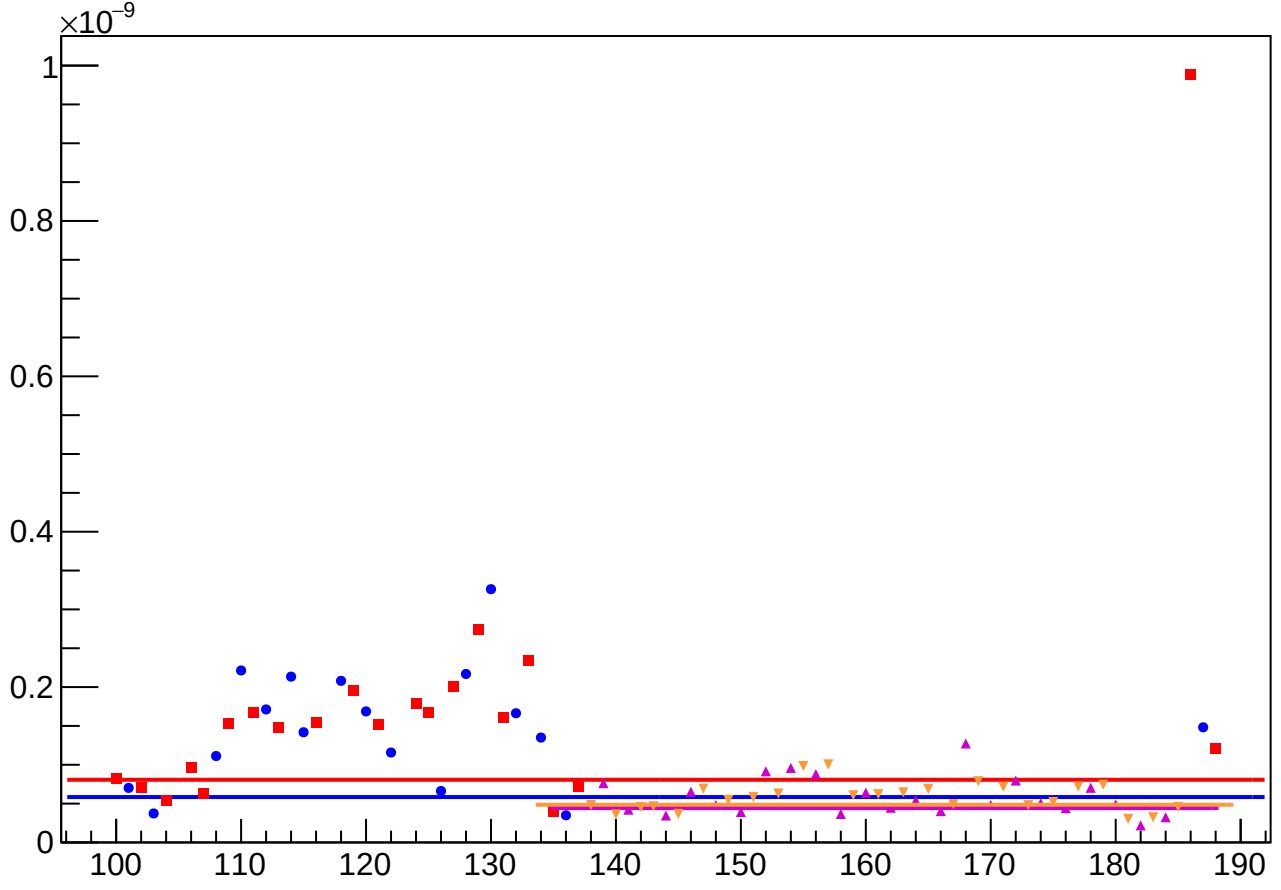
Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.8/41

All: -0.000+/-0.000 χ^2/NDF: 91.6/85

- sign -0.000+/-0.000 χ^2/NDF: 44.5/43

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3405148.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3327928.7/20

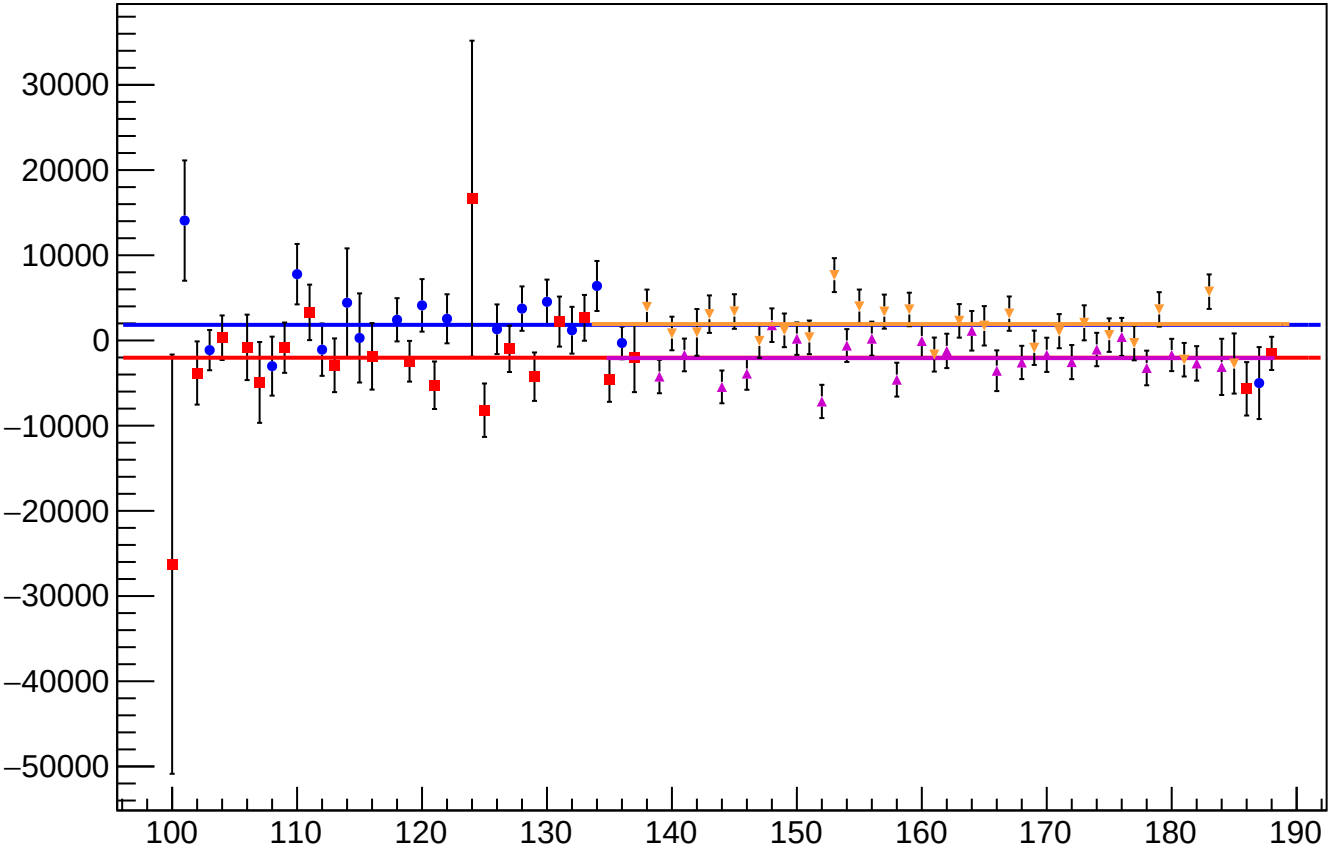
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6034931.0/41

All: 0.000+/-0.000 χ^2/NDF: 14427329.5/85

- sign 0.000+/-0.000 χ^2/NDF: 8368162.3/43

reg_asym_at1_avg_mean vs Slug



Right In: 1831.575+/-725.273 χ^2/NDF: 19.1/16

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -2024.755+/-673.083 χ^2/NDF: 20.0/20

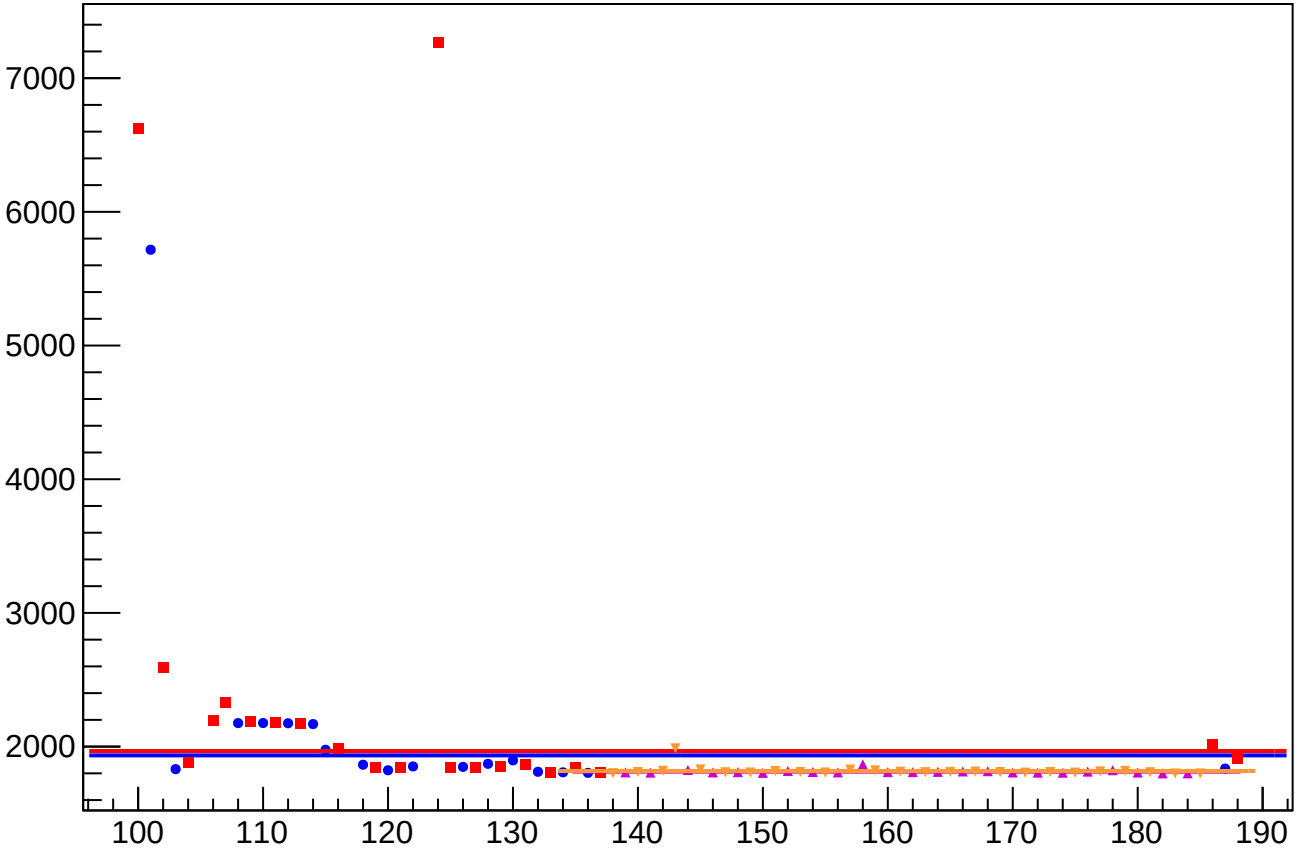
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1898.825+/-358.835 χ^2/NDF: 51.7/41

All: -83.808+/-253.535 χ^2/NDF: 159.1/85

- sign -2060.195+/-358.270 χ^2/NDF: 46.5/43

reg_asym_at1_avg_rms vs Slug



Right In: 1934.249+/-0.513 χ^2/NDF: 639220.3/16

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1967.149+/-0.476 χ^2/NDF: 379950.4/20

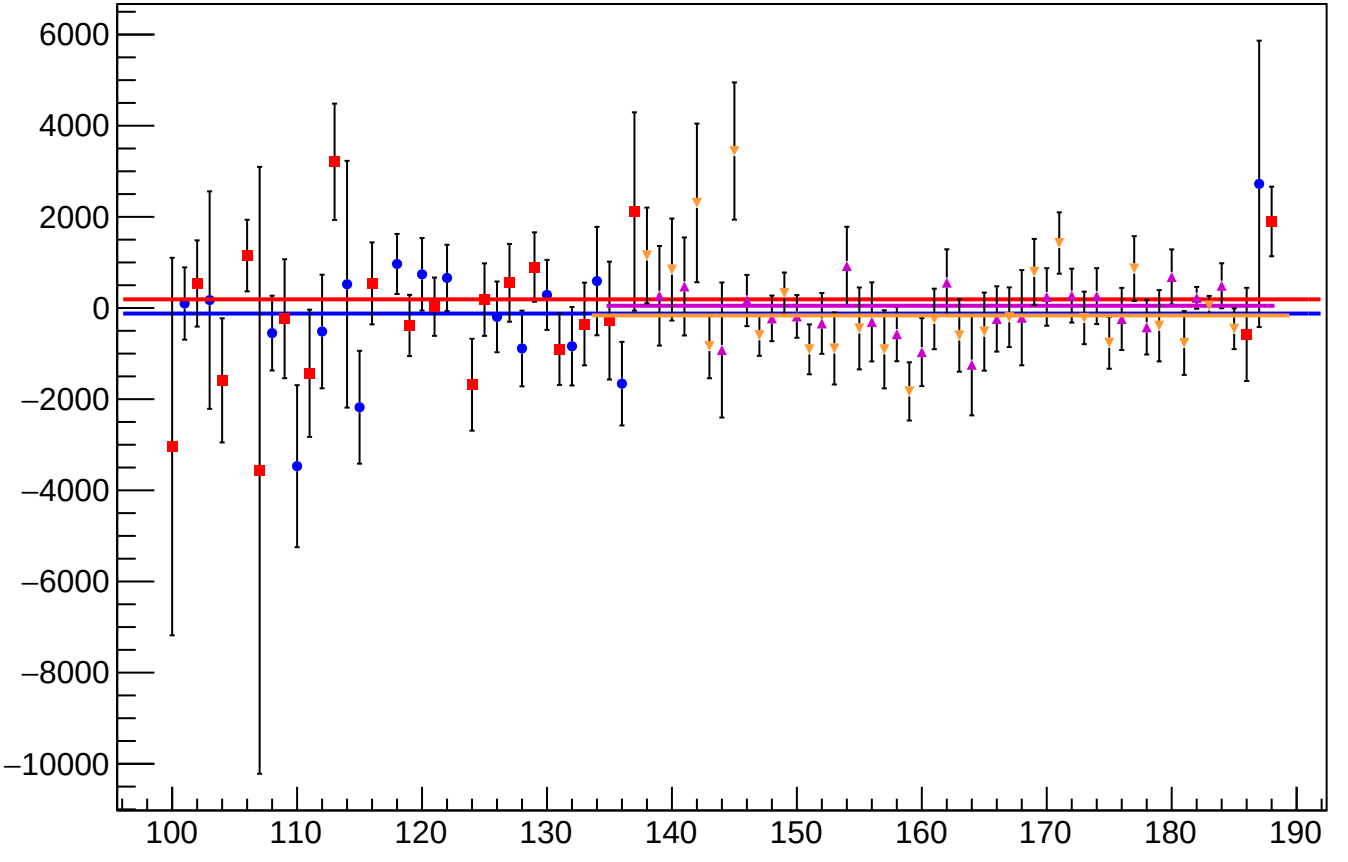
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.097+/-0.254 χ^2/NDF: 691297.5/41

All: 1851.231+/-0.179 χ^2/NDF: 1149702.7/85

- sign 1856.348+/-0.253 χ^2/NDF: 457587.7/43

asym_at1_avg_reg_correction_mean vs Slug



Right In: -121.339+/-229.813 χ^2/NDF: 17.7/16

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 190.354+/-208.703 χ^2/NDF: 25.6/20

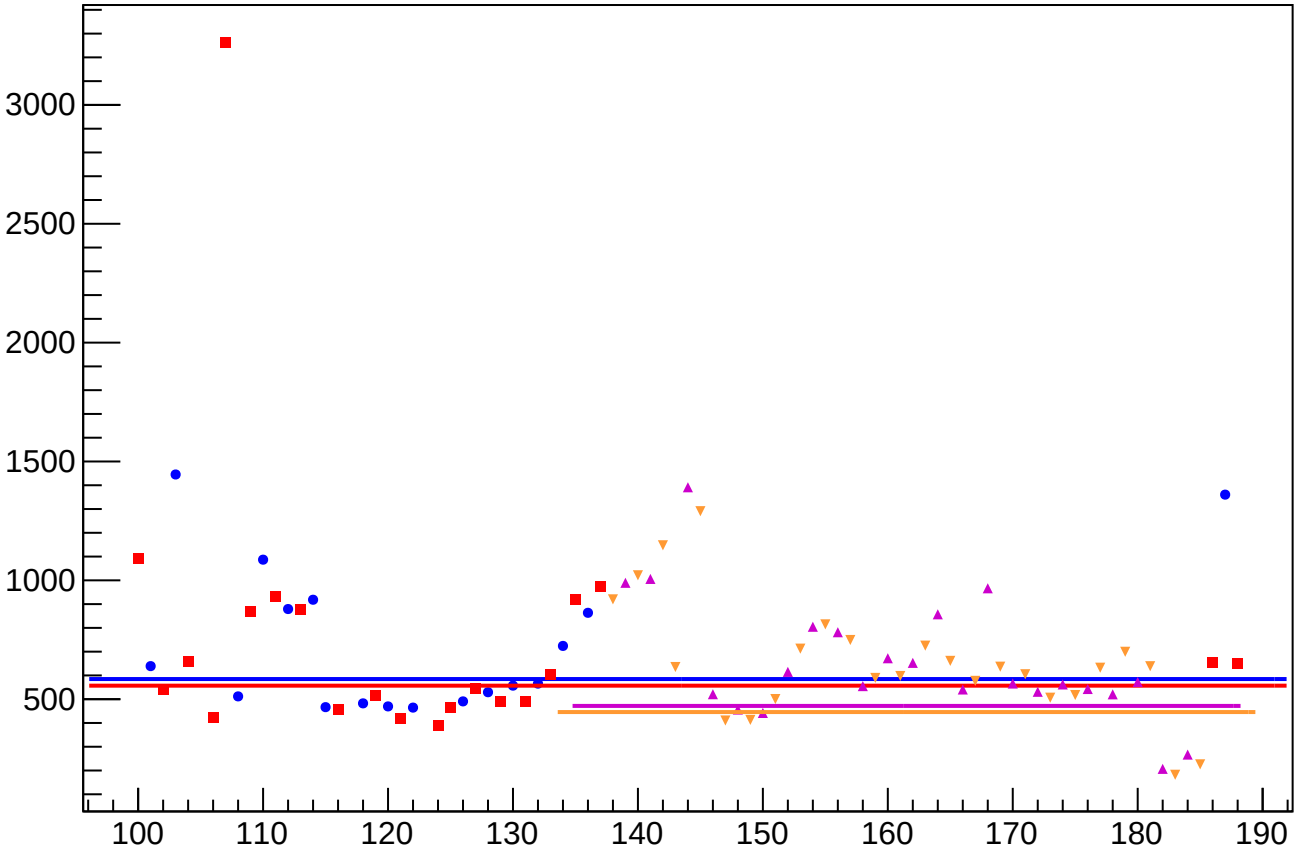
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -154.619+/-103.054 χ^2/NDF: 54.6/41

All: -37.671+/-73.811 χ^2/NDF: 94.5/85

- sign 85.520+/-105.768 χ^2/NDF: 37.2/43

asym_at1_avg_reg_correction_rms vs Slug



Right In: 584.783+/-0.163 χ^2/NDF: 1125988.5/16

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

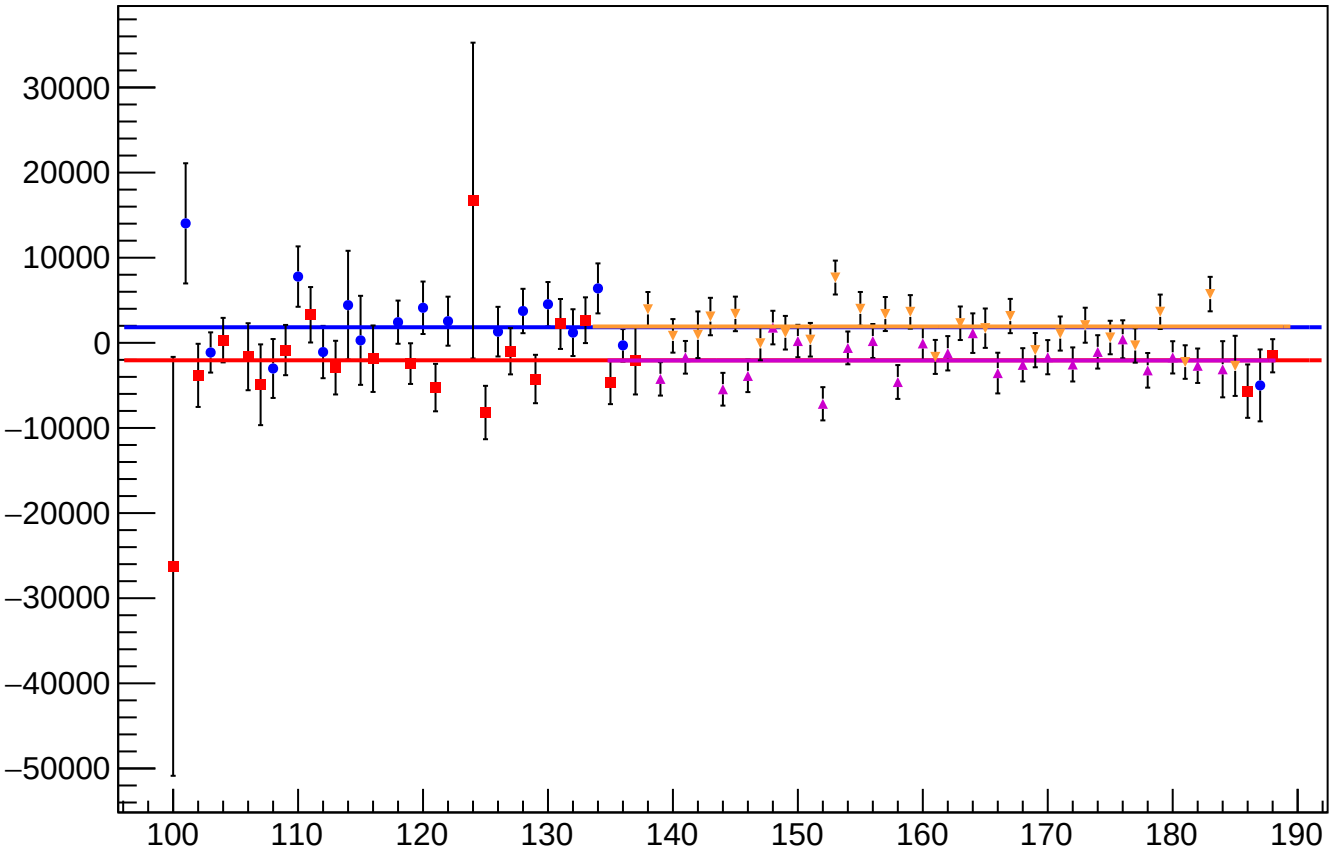
Right Out: 556.921+/-0.148 χ^2/NDF: 1341200.3/20

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 473.821+/-0.073 χ^2/NDF: 9692057.6/41

All: 483.464+/-0.052 χ^2/NDF: 17730686.1/85

- sign 493.622+/-0.075 χ^2/NDF: 8002671.4/43



Right In: 1831.222+/-725.274 χ^2/NDF: 19.1/16

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2050.794+/-673.577 χ^2/NDF: 19.9/20

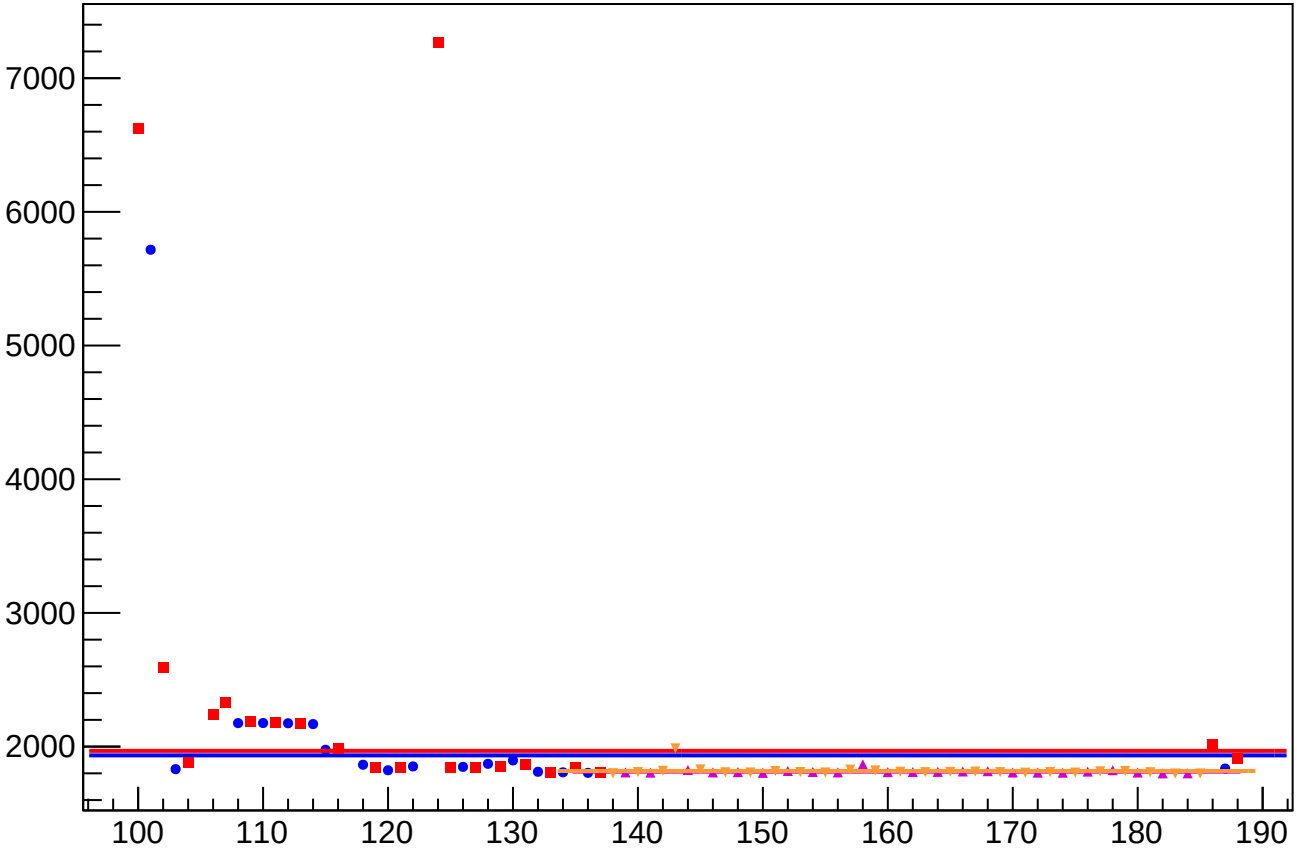
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1898.712+/-358.835 χ^2/NDF: 51.7/41

All: -87.187+/-253.561 χ^2/NDF: 159.2/85

- sign -2067.652+/-358.344 χ^2/NDF: 46.4/43

cor_asym_at1_avg_rms vs Slug



Right In: 1934.249+/-0.513 χ^2/NDF: 639220.4/16

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1968.305+/-0.476 χ^2/NDF: 382902.6/20

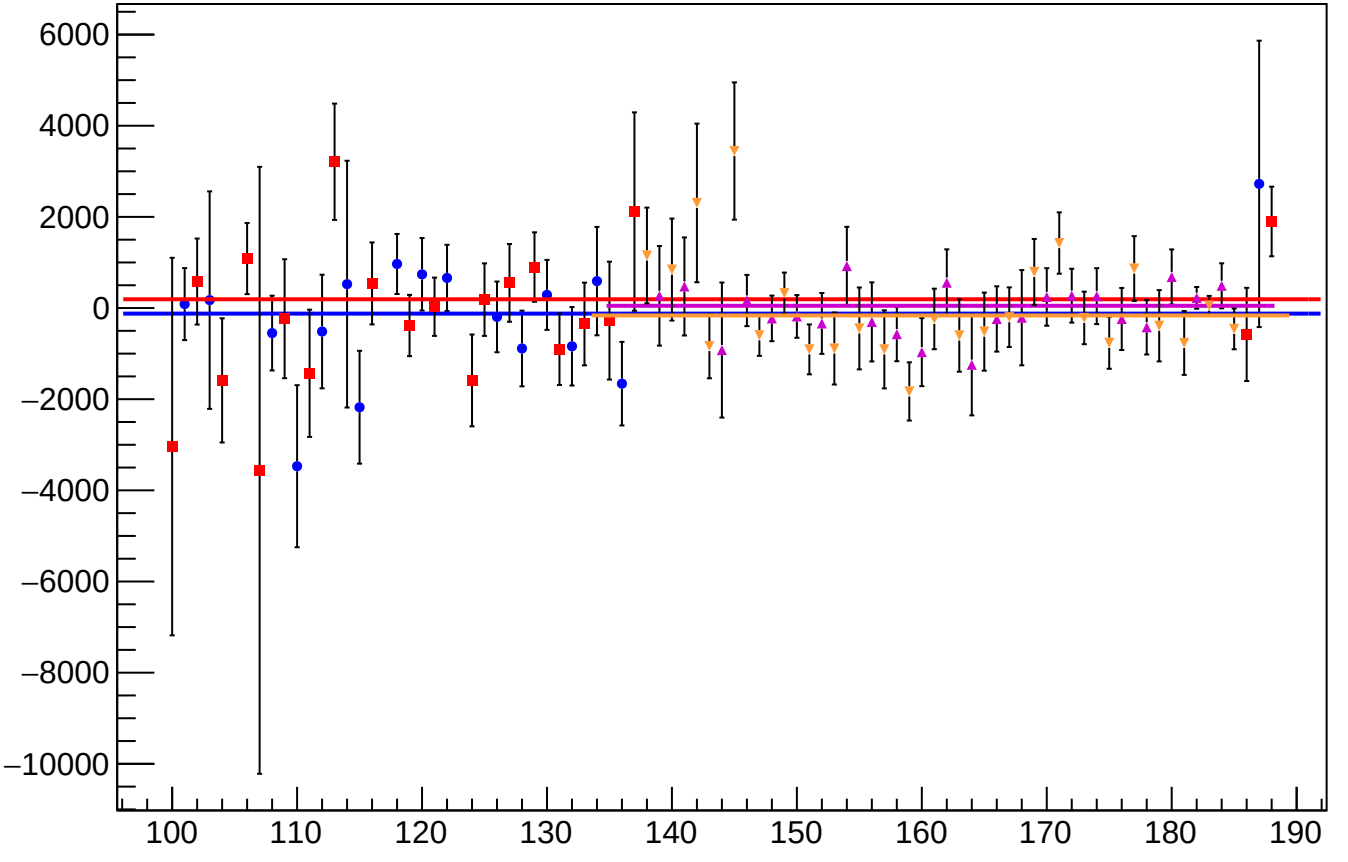
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.097+/-0.254 χ^2/NDF: 691297.5/41

All: 1851.370+/-0.179 χ^2/NDF: 1153753.8/85

- sign 1856.629+/-0.253 χ^2/NDF: 461593.7/43

asym_at1_avg_cor_correction_mean vs Slug



Right In: -122.188+/-229.765 χ^2/NDF: 17.7/16

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 192.597+/-208.588 χ^2/NDF: 25.1/20

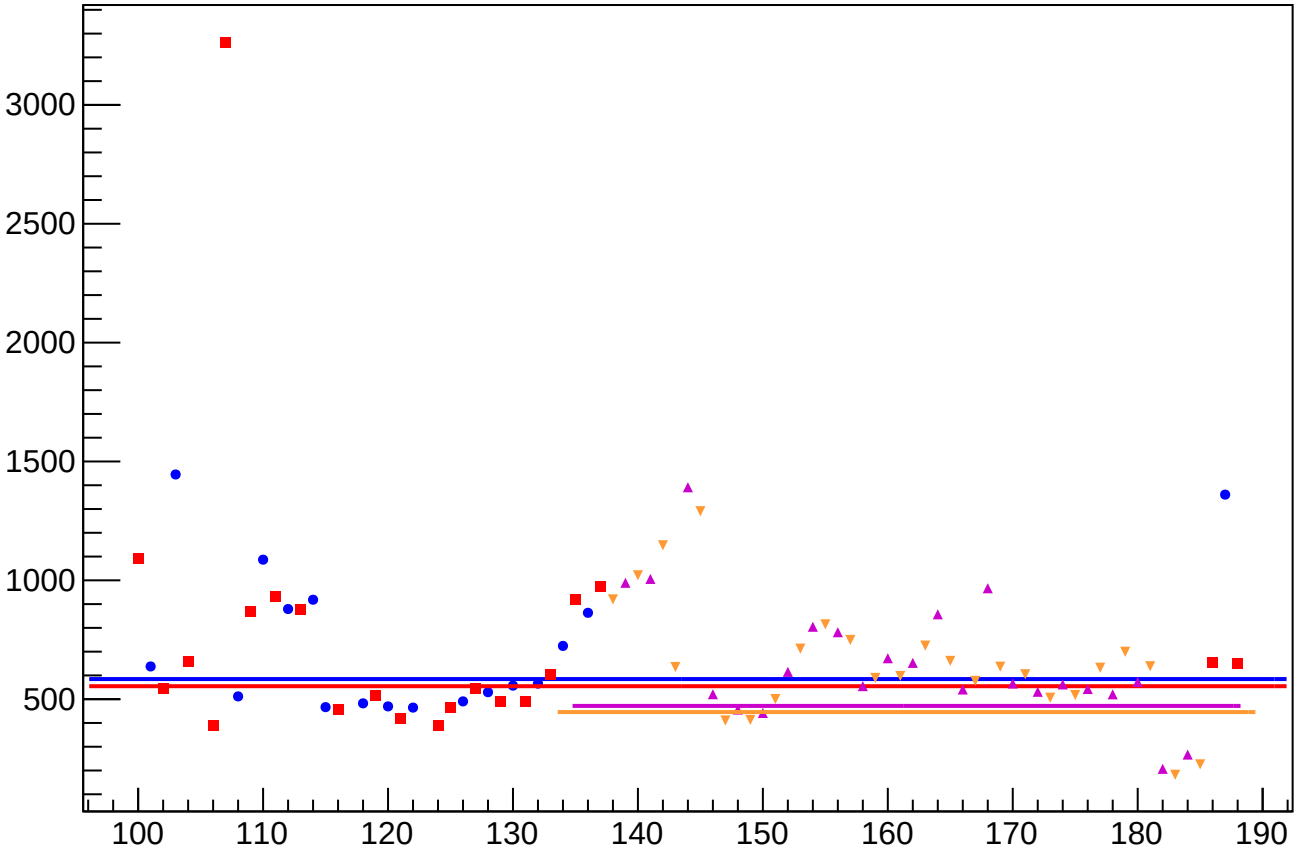
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -154.720+/-103.046 χ^2/NDF: 54.6/41

All: -37.413+/-73.804 χ^2/NDF: 94.0/85

- sign 86.142+/-105.755 χ^2/NDF: 36.8/43

asym_at1_avg_cor_correction_rms vs Slug



Right In: 584.690+/-0.162 χ^2/NDF: 1125508.2/16

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 554.617+/-0.147 χ^2/NDF: 1375046.8/20

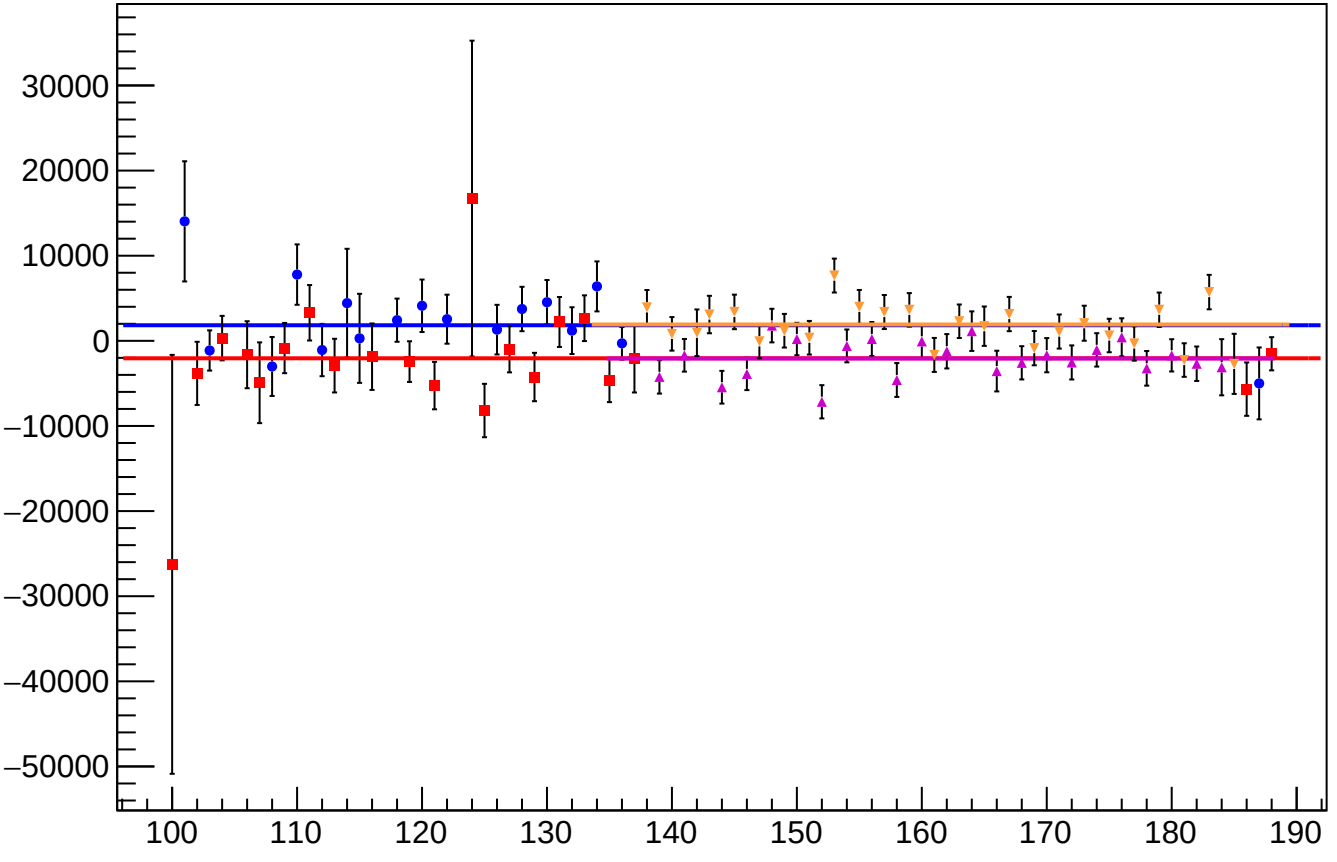
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 473.790+/-0.073 χ^2/NDF: 9692630.1/41

All: 483.173+/-0.052 χ^2/NDF: 17749887.4/85

- sign 493.056+/-0.075 χ^2/NDF: 8023205.7/43

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 1831.222+/-725.274 χ^2/NDF: 19.1/16

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2050.794+/-673.577 χ^2/NDF: 19.9/20

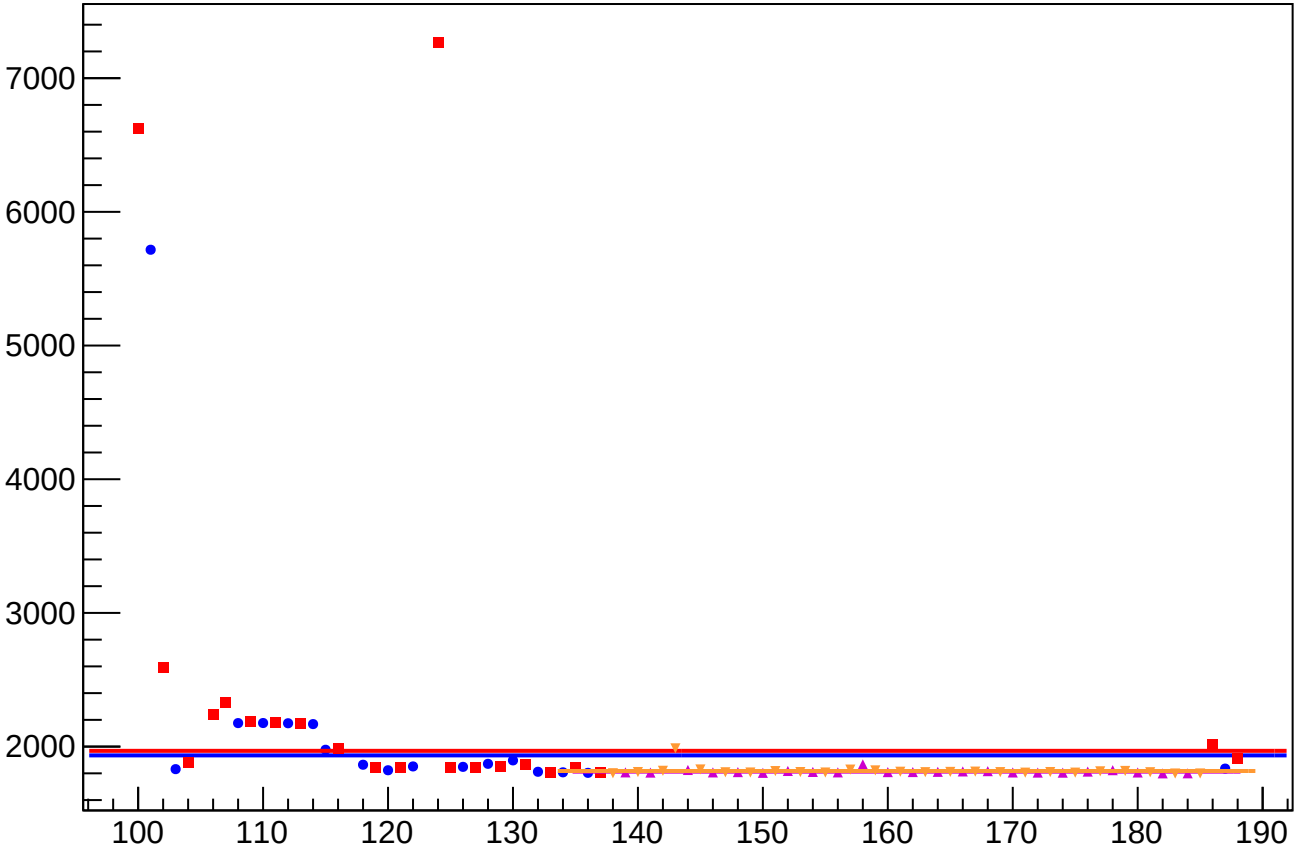
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1898.712+/-358.835 χ^2/NDF: 51.7/41

All: -87.187+/-253.561 χ^2/NDF: 159.2/85

- sign -2067.652+/-358.344 χ^2/NDF: 46.4/43

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1934.249+/-0.513 χ^2/NDF: 639220.4/16

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1968.305+/-0.476 χ^2/NDF: 382902.6/20

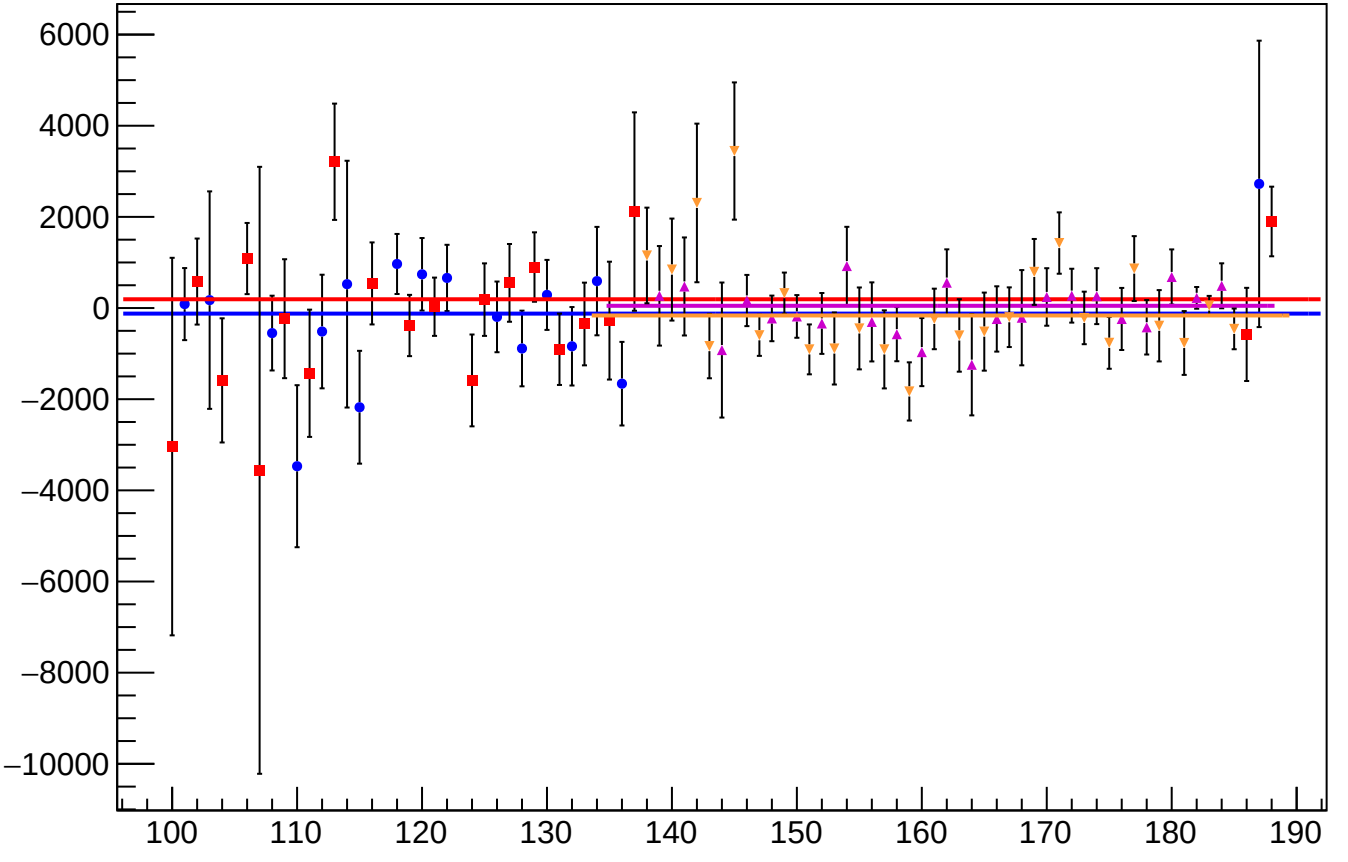
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.097+/-0.254 χ^2/NDF: 691297.5/41

All: 1851.370+/-0.179 χ^2/NDF: 1153753.8/85

- sign 1856.629+/-0.253 χ^2/NDF: 461593.7/43

asym_at1_avg_eigen_cor_correction_mean vs Slug



Right In: -122.188+/-229.765 χ^2/NDF: 17.7/16

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 192.597+/-208.588 χ^2/NDF: 25.1/20

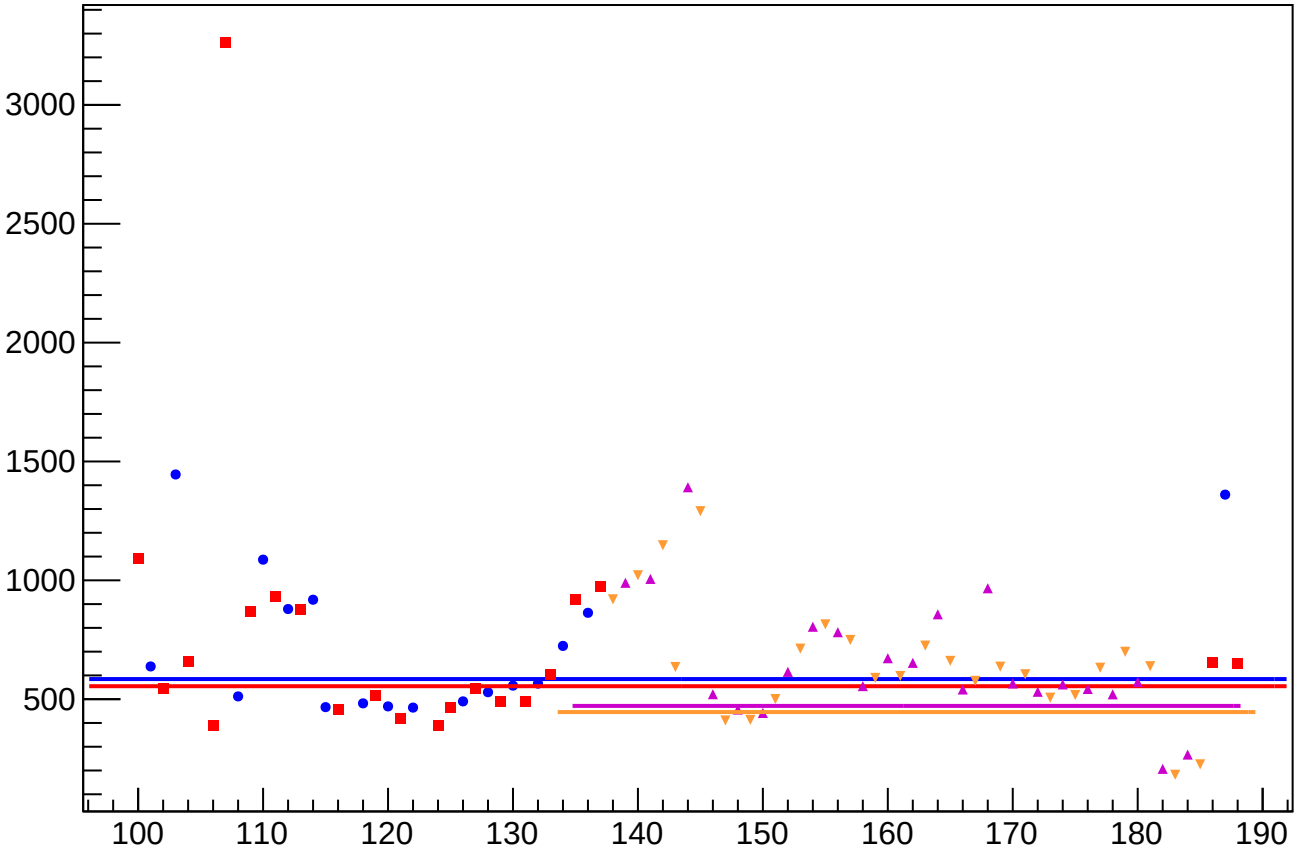
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -154.720+/-103.046 χ^2/NDF: 54.6/41

All: -37.413+/-73.804 χ^2/NDF: 94.0/85

- sign 86.142+/-105.755 χ^2/NDF: 36.8/43

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 584.690+/-0.162 χ^2/NDF: 1125508.2/16

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 554.617+/-0.147 χ^2/NDF: 1375046.8/20

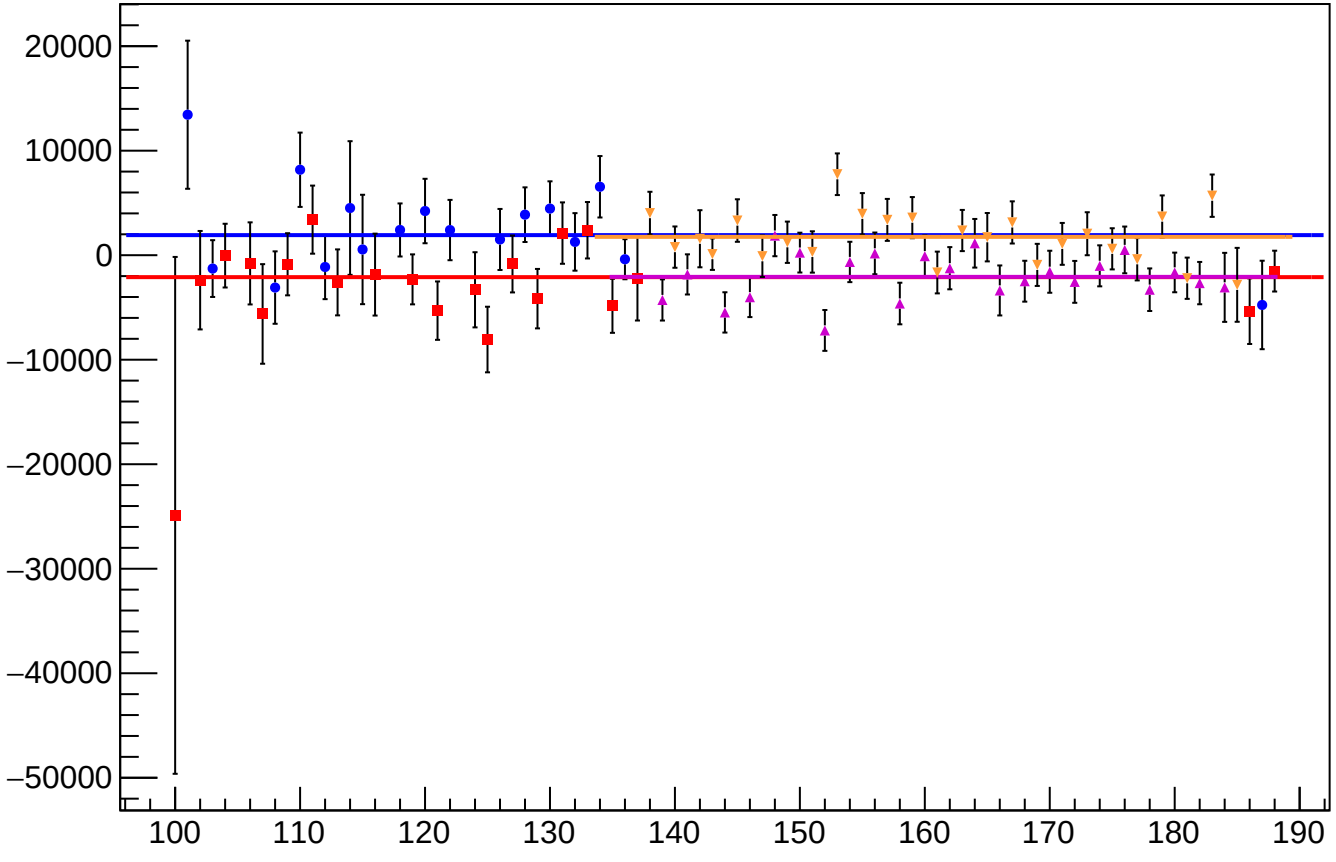
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 473.790+/-0.073 χ^2/NDF: 9692630.1/41

All: 483.173+/-0.052 χ^2/NDF: 17749887.4/85

- sign 493.056+/-0.075 χ^2/NDF: 8023205.7/43

dit_asym_at1_avg_mean vs Slug



Right In: 1921.004+/-734.906 χ^2/NDF: 19.1/16

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2099.369+/-673.646 χ^2/NDF: 17.9/20

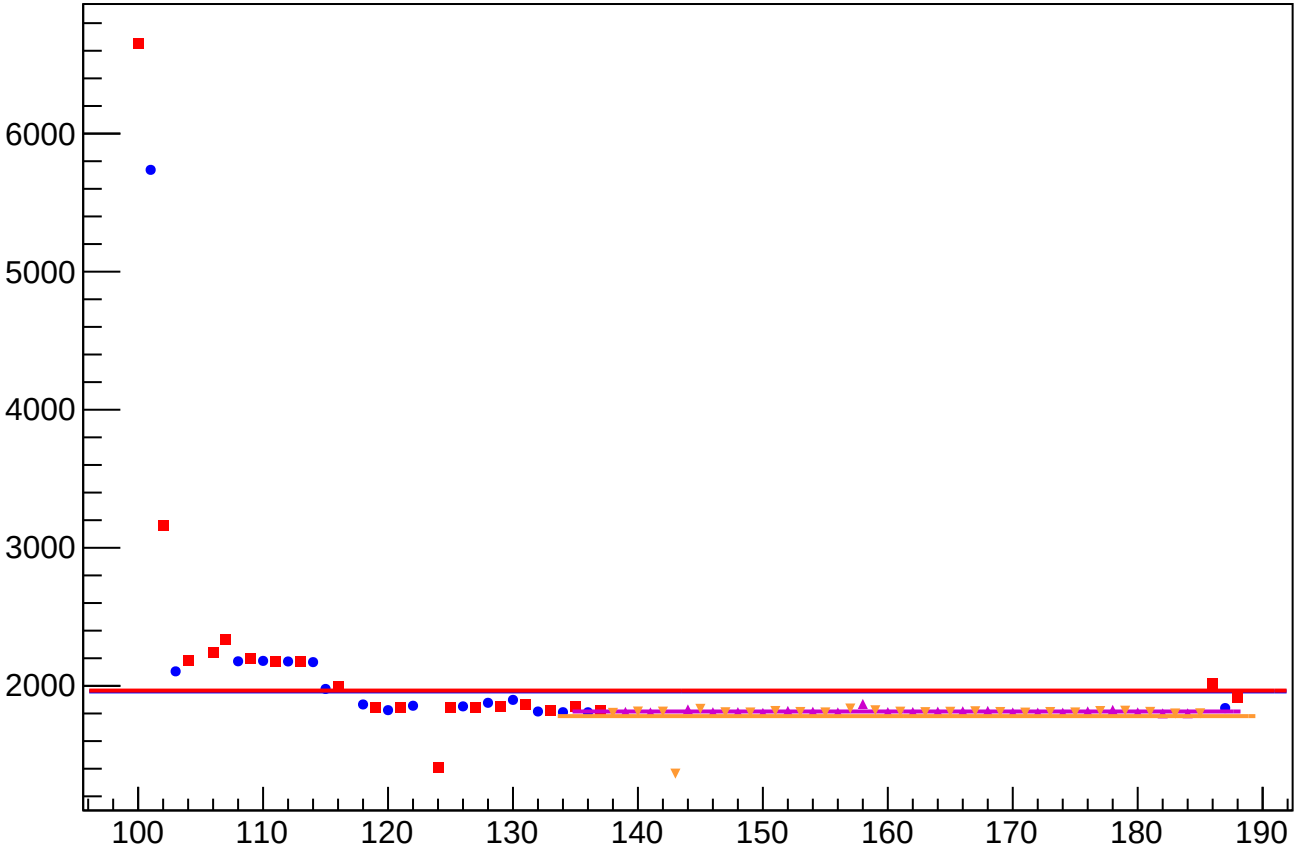
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1794.108+/-354.973 χ^2/NDF: 52.9/41

All: -123.515+/-252.285 χ^2/NDF: 156.8/85

- sign -2080.789+/-358.625 χ^2/NDF: 44.9/43

dit_asym_at1_avg_rms vs Slug



Right In: 1959.673+/-0.520 χ^2/NDF: 641922.0/16

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1965.915+/-0.476 χ^2/NDF: 347284.8/20

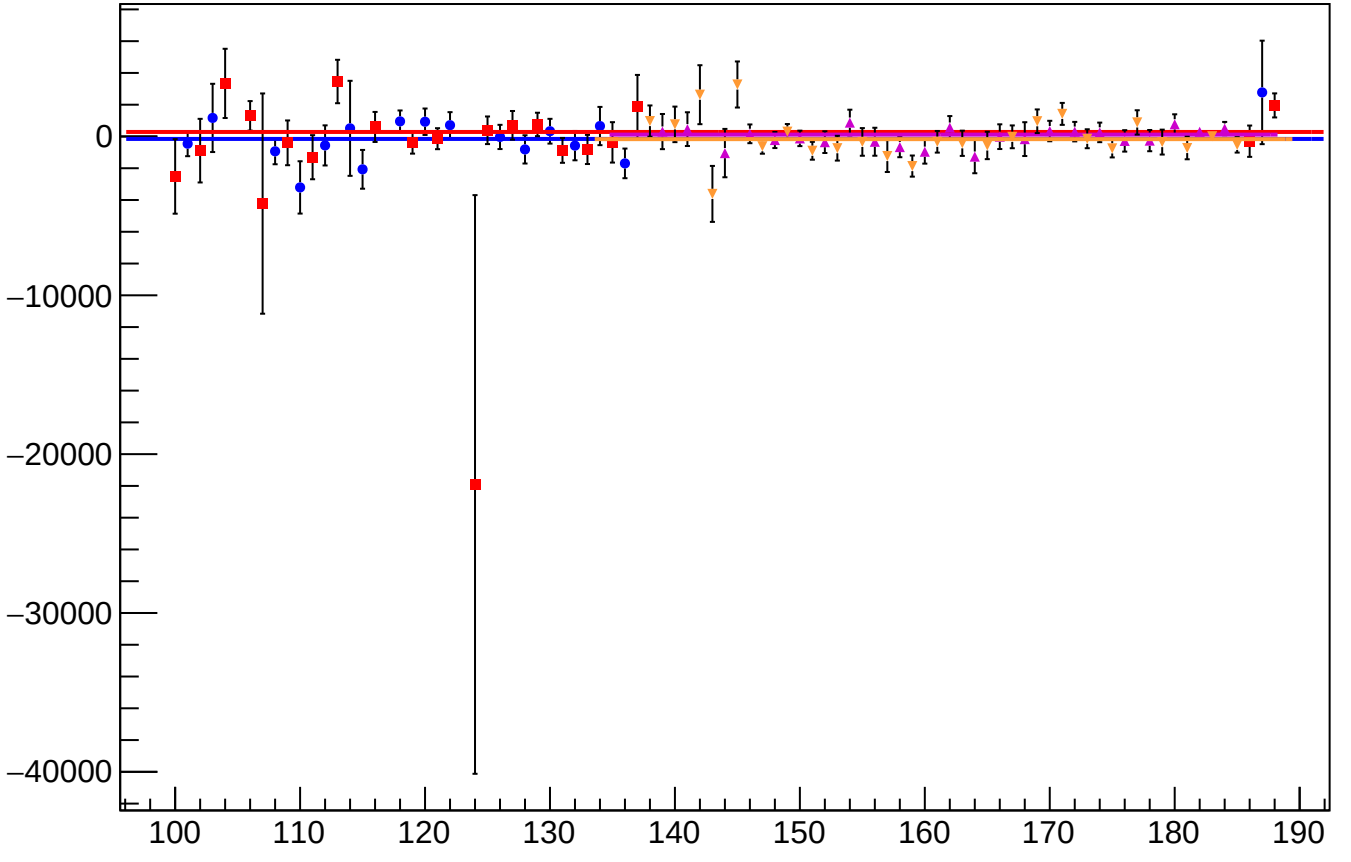
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.619+/-0.251 χ^2/NDF: 897584.0/41

All: 1839.815+/-0.178 χ^2/NDF: 1328916.0/85

- sign 1857.366+/-0.254 χ^2/NDF: 421848.5/43

asym_at1_avg_dit_correction_mean vs Slug



Right In: -155.281+/-236.288 χ^2/NDF: 18.0/16

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 284.023+/-225.139 χ^2/NDF: 25.6/20

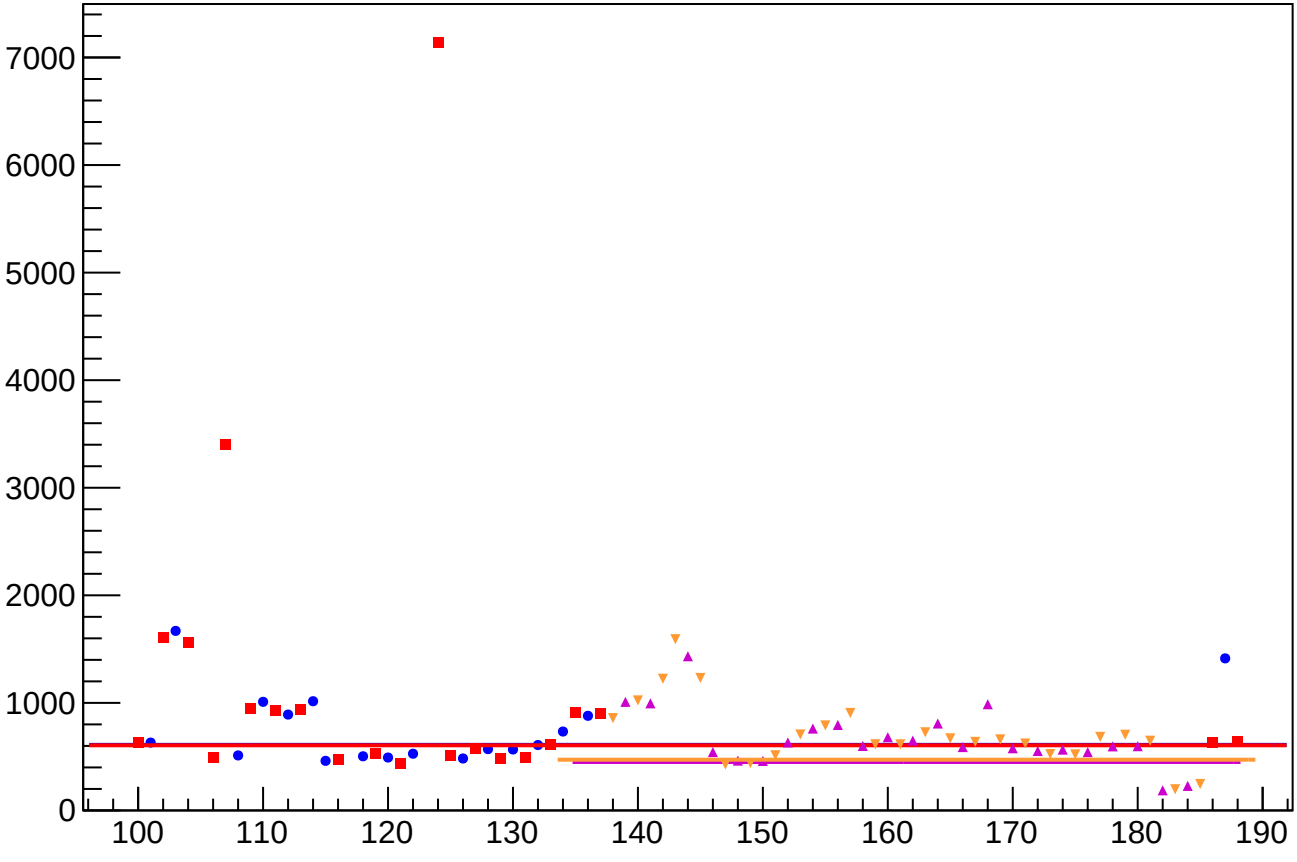
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -165.264+/-108.142 χ^2/NDF: 56.4/41

All: -2.042+/-75.604 χ^2/NDF: 99.2/85

- sign 154.007+/-105.740 χ^2/NDF: 38.4/43

asym_at1_avg_dit_correction_rms vs Slug



Right In: 609.683+/-0.167 χ^2/NDF: 1284982.2/16

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 605.805+/-0.159 χ^2/NDF: 2335623.6/20

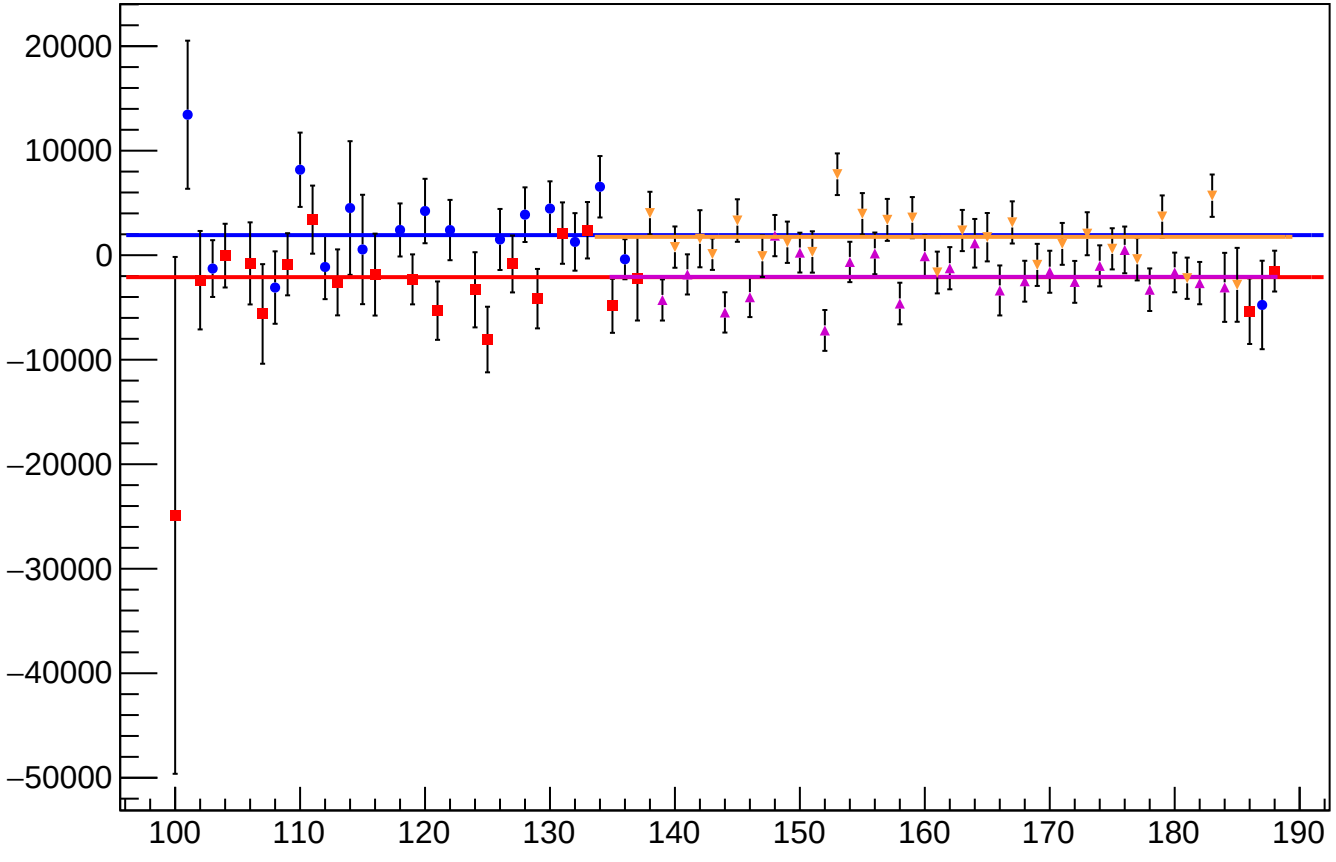
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 500.663+/-0.076 χ^2/NDF: 9936212.1/41

All: 492.593+/-0.053 χ^2/NDF: 20962279.8/85

- sign 484.876+/-0.075 χ^2/NDF: 11004278.2/43

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 1921.002+/-734.906 χ^2/NDF: 19.1/16

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2099.366+/-673.646 χ^2/NDF: 17.9/20

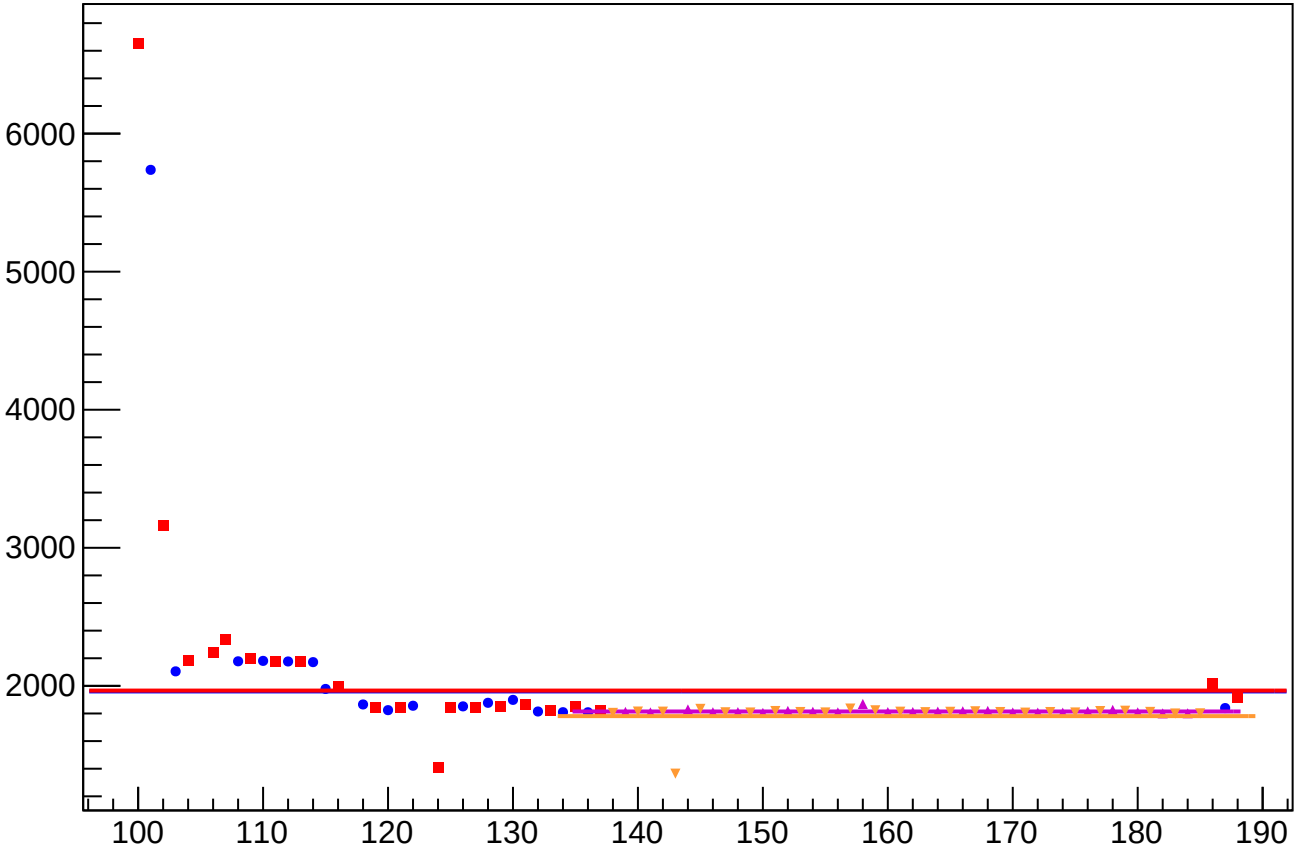
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1794.108+/-354.973 χ^2/NDF: 52.9/41

All: -123.515+/-252.285 χ^2/NDF: 156.8/85

- sign -2080.788+/-358.625 χ^2/NDF: 44.9/43

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1959.673+/-0.520 χ^2/NDF: 641921.7/16

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

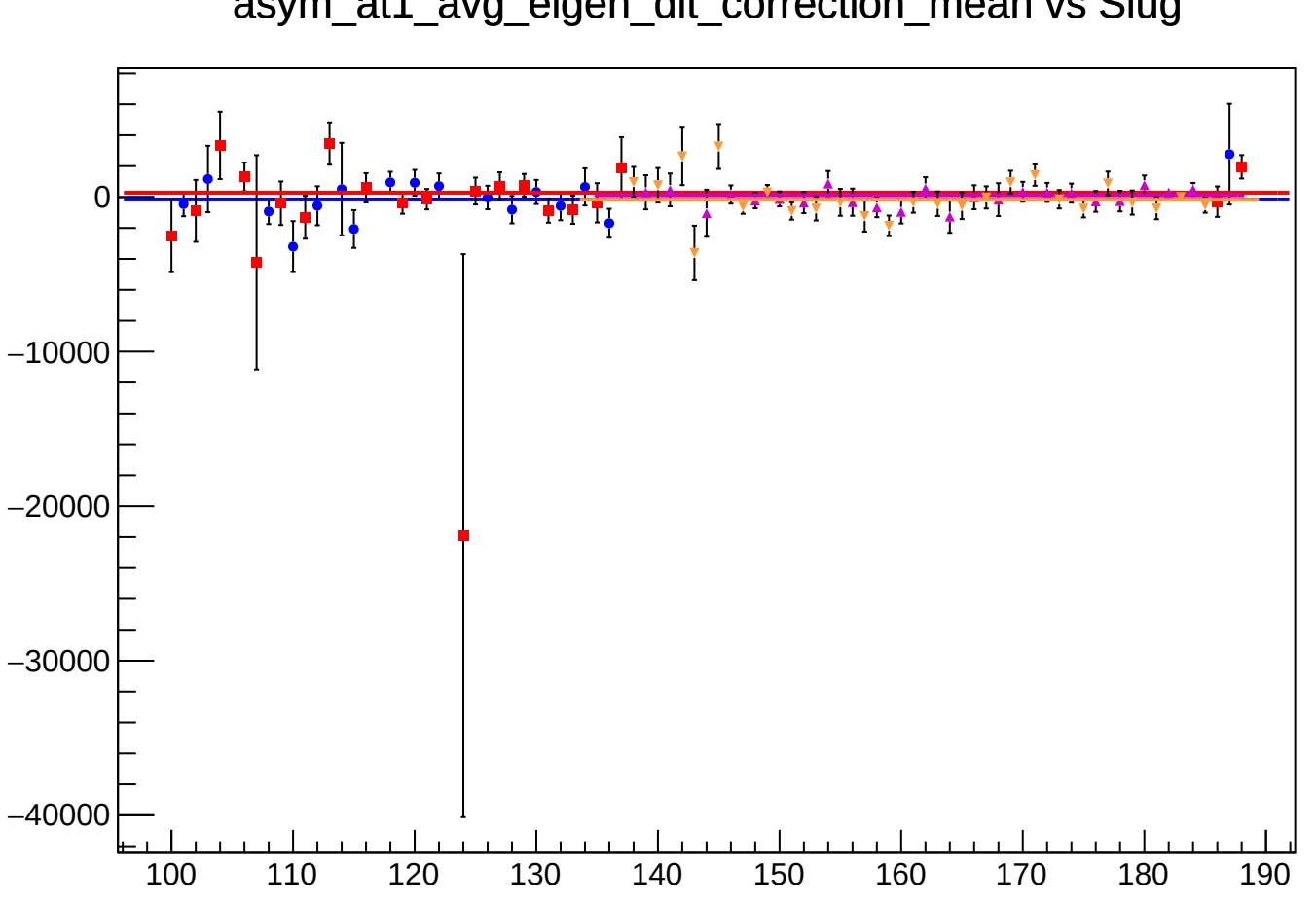
Right Out: 1965.915+/-0.476 χ^2/NDF: 347283.5/20

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.619+/-0.251 χ^2/NDF: 897583.5/41

All: 1839.815+/-0.178 χ^2/NDF: 1328914.0/85

- sign 1857.366+/-0.254 χ^2/NDF: 421847.0/43



Right In: -155.280+/-236.288 χ^2/NDF: 18.0/16

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 284.023+/-225.139 χ^2/NDF: 25.6/20

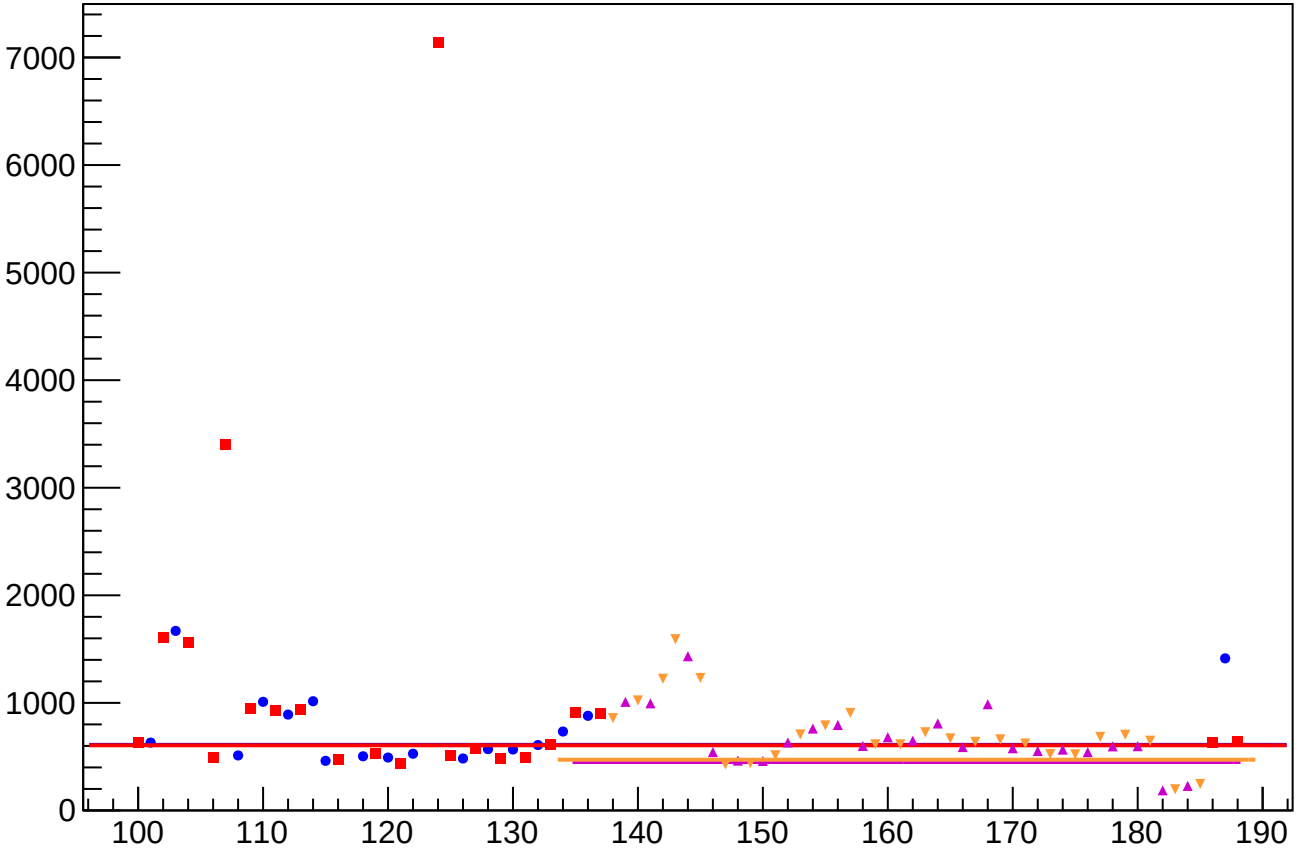
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -165.264+/-108.142 χ^2/NDF: 56.4/41

All: -2.042+/-75.605 χ^2/NDF: 99.2/85

- sign 154.007+/-105.740 χ^2/NDF: 38.4/43

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 609.682+/-0.167 χ^2/NDF: 1284990.7/16

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 605.805+/-0.159 χ^2/NDF: 2335631.8/20

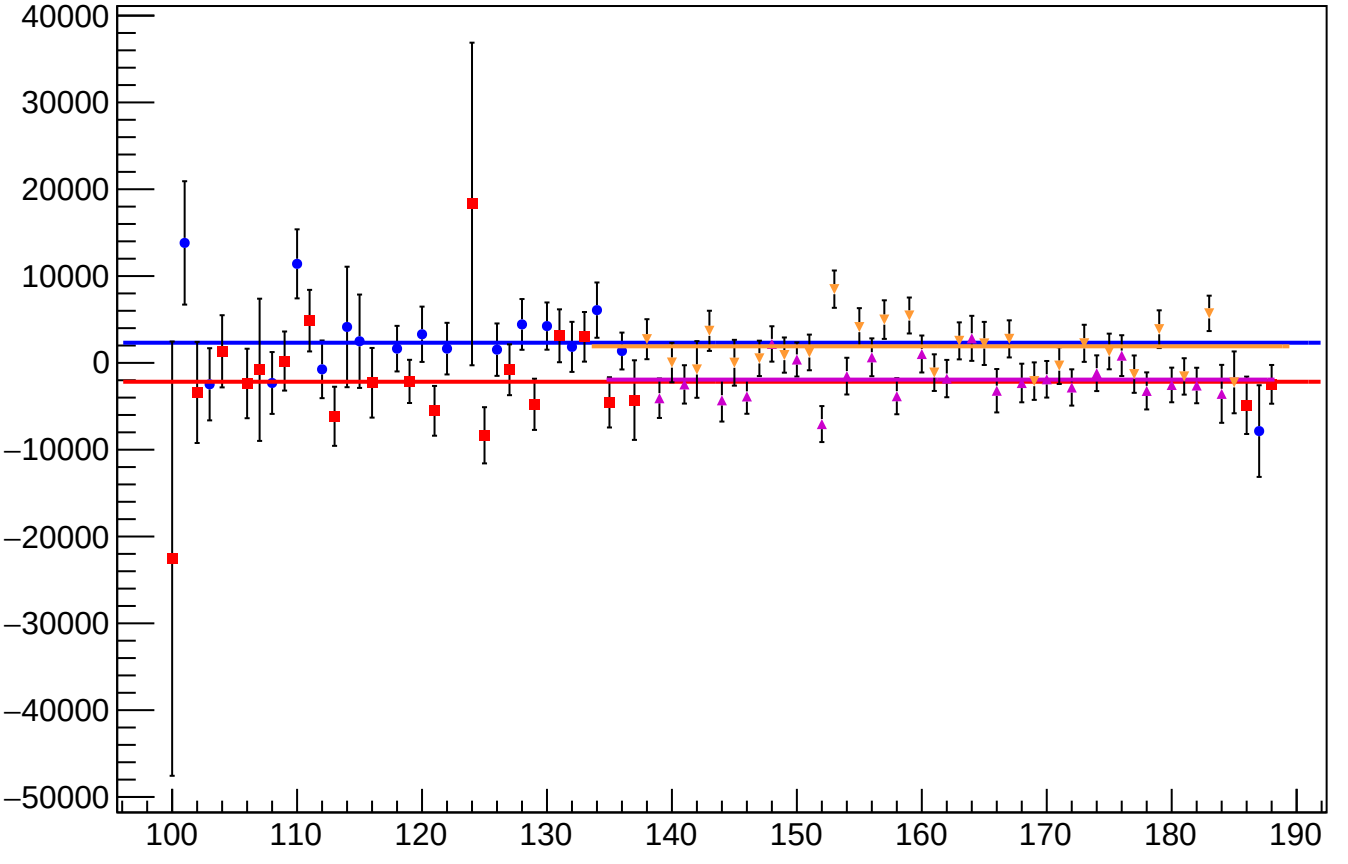
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 500.664+/-0.076 χ^2/NDF: 9936207.6/41

All: 492.593+/-0.053 χ^2/NDF: 20962252.7/85

- sign 484.877+/-0.075 χ^2/NDF: 11004256.3/43

asym_at1_avg_mean vs Slug



Right In: 2321.645+/-800.303 χ^2/NDF: 18.4/16

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2173.494+/-748.759 χ^2/NDF: 22.3/20

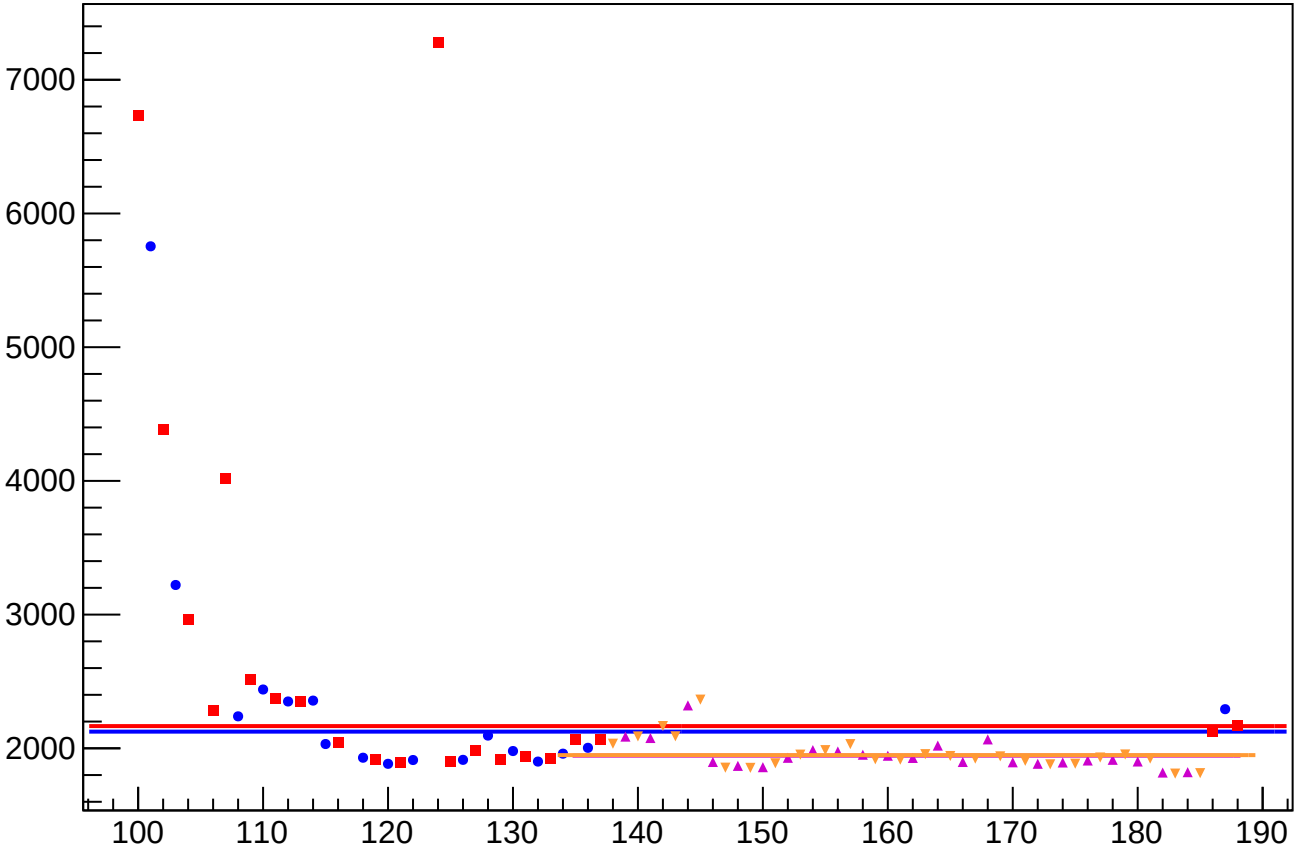
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2004.710+/-387.933 χ^2/NDF: 54.9/41

All: 10.054+/-274.603 χ^2/NDF: 155.1/85

- sign -1993.135+/-388.762 χ^2/NDF: 47.2/43

asym_at1_avg_rms vs Slug



Right In: 2124.727+/-0.566 χ^2/NDF: 762040.2/16

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2166.123+/-0.529 χ^2/NDF: 824234.7/20

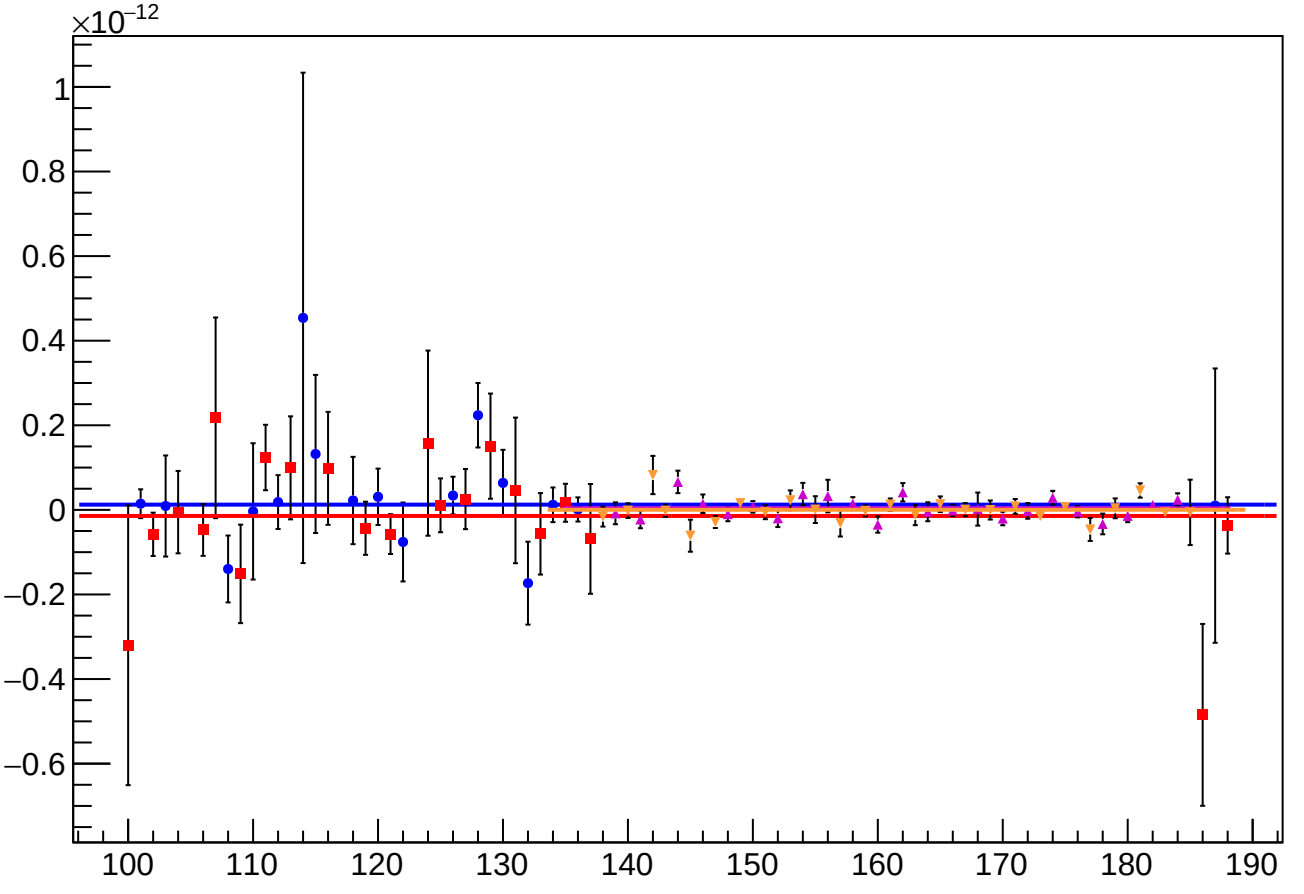
Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 1990.291+/-0.274 χ^2/NDF: 944333.0/41

All: 1997.483+/-0.194 χ^2/NDF: 1993154.1/85

- sign 2004.707+/-0.275 χ^2/NDF: 1047443.2/43

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

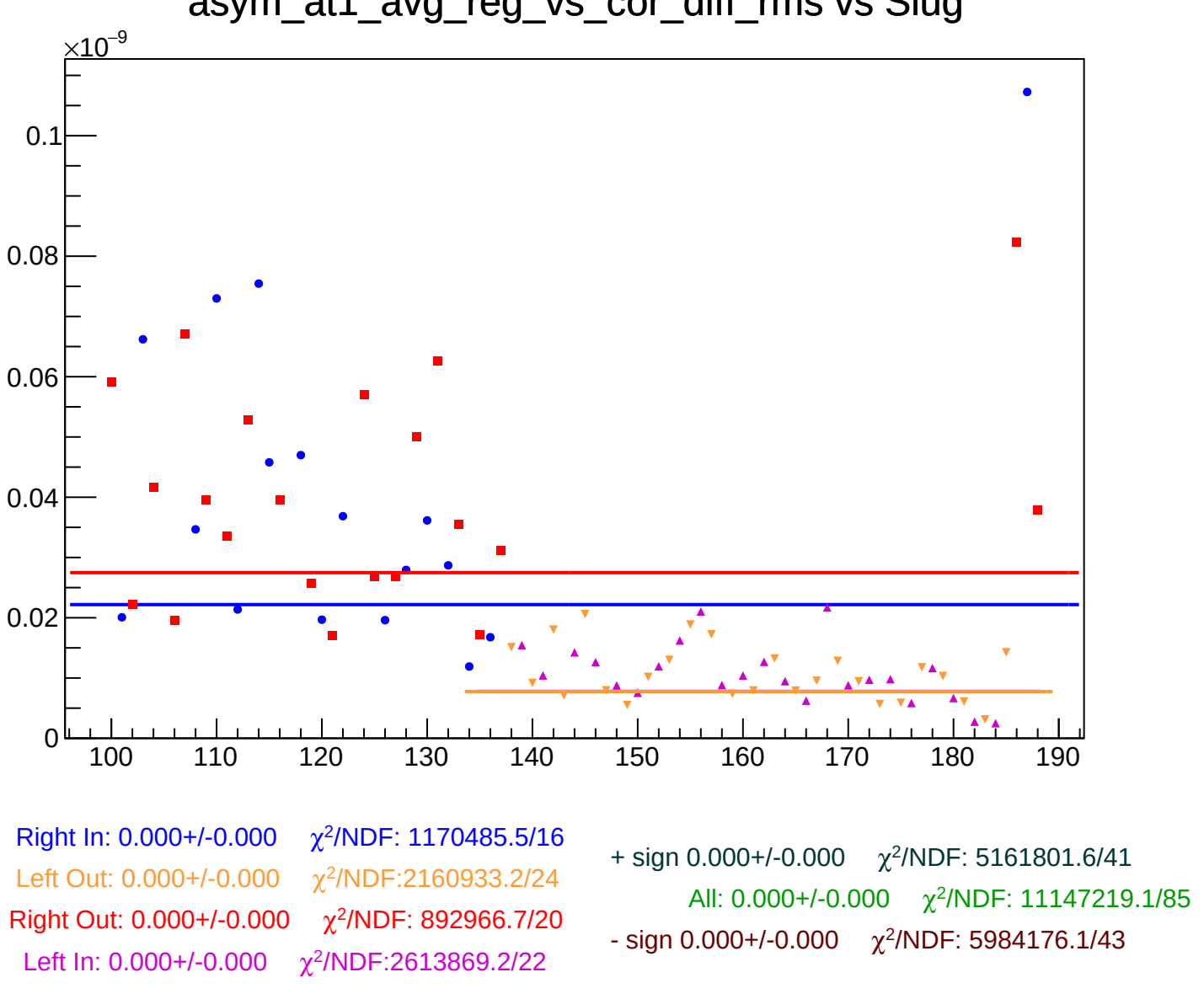
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/20

Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

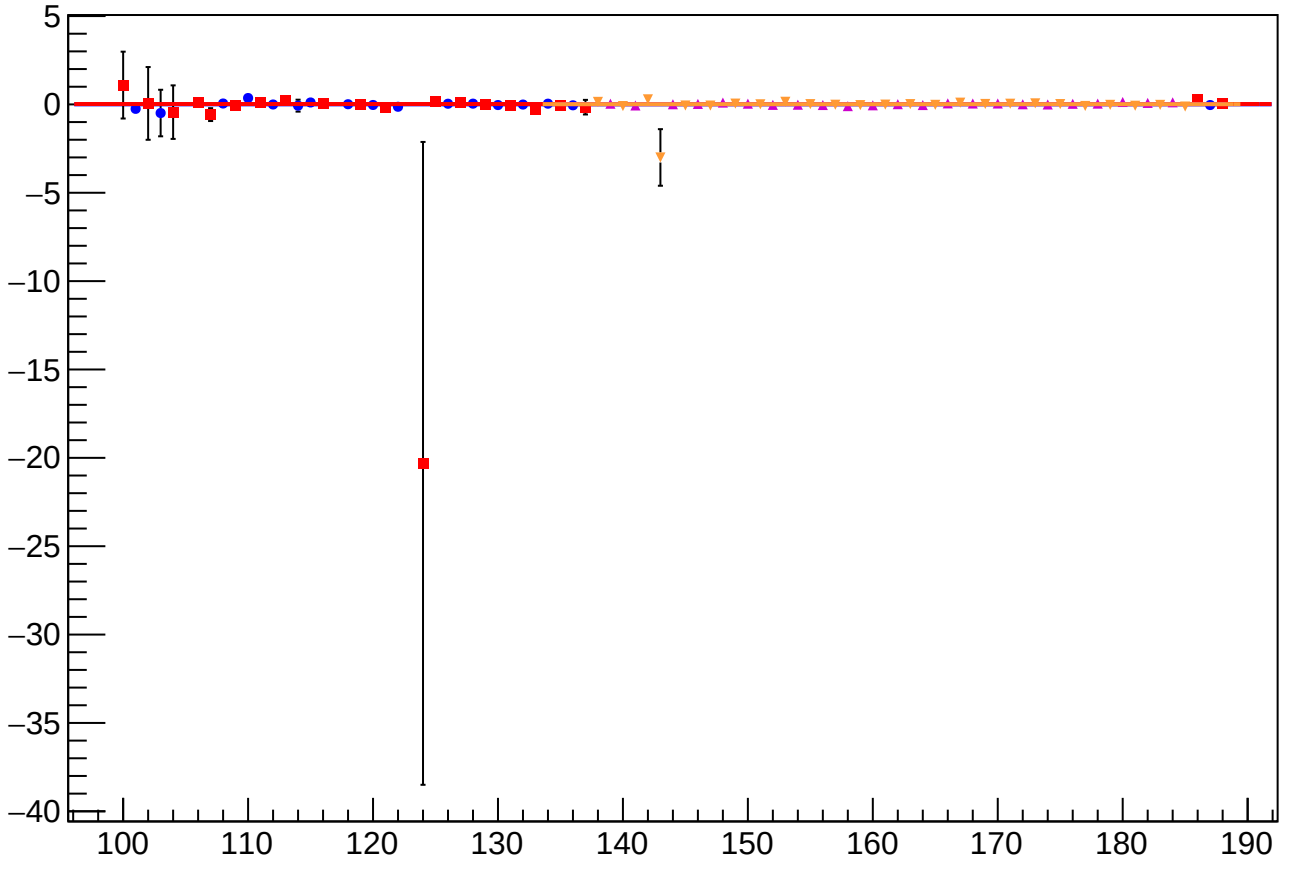
+ sign 0.000+/-0.000 χ^2/NDF: 47.1/41

All: 0.000+/-0.000 χ^2/NDF: 98.2/85

- sign 0.000+/-0.000 χ^2/NDF: 50.9/43


asym_at1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1170485.5/16
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 892966.7/20
Left In: 0.000+/-0.000 χ²/NDF:2613869.2/22
+ sign 0.000+/-0.000 χ²/NDF: 5161801.6/41
All: 0.000+/-0.000 χ²/NDF: 11147219.1/85
- sign 0.000+/-0.000 χ²/NDF: 5984176.1/43

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.021+/-0.025 χ^2/NDF: 20.6/20

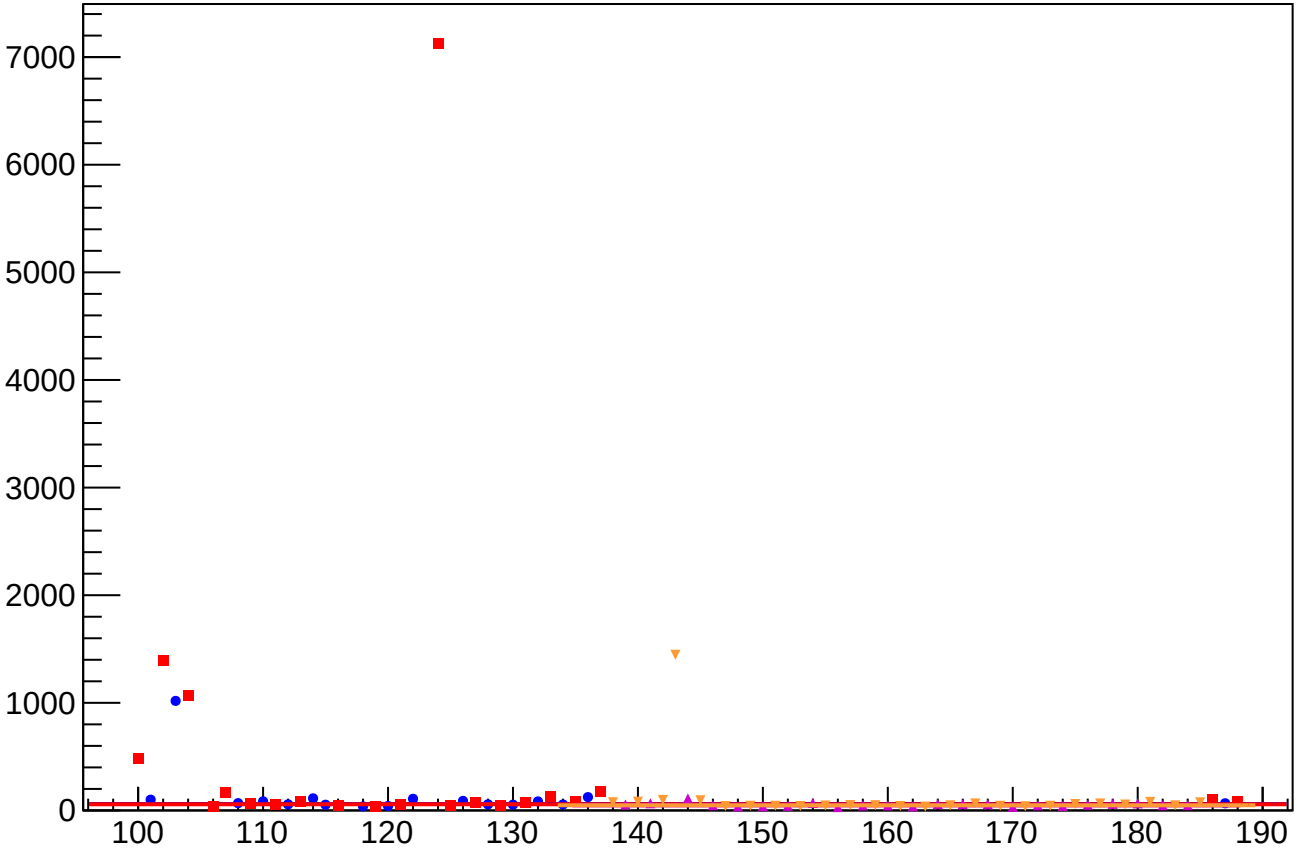
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/41

All: 0.014+/-0.008 χ^2/NDF: 82.4/85

- sign 0.019+/-0.011 χ^2/NDF: 40.9/43

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.011+/-0.019 χ^2/NDF: 2542116.4/16

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

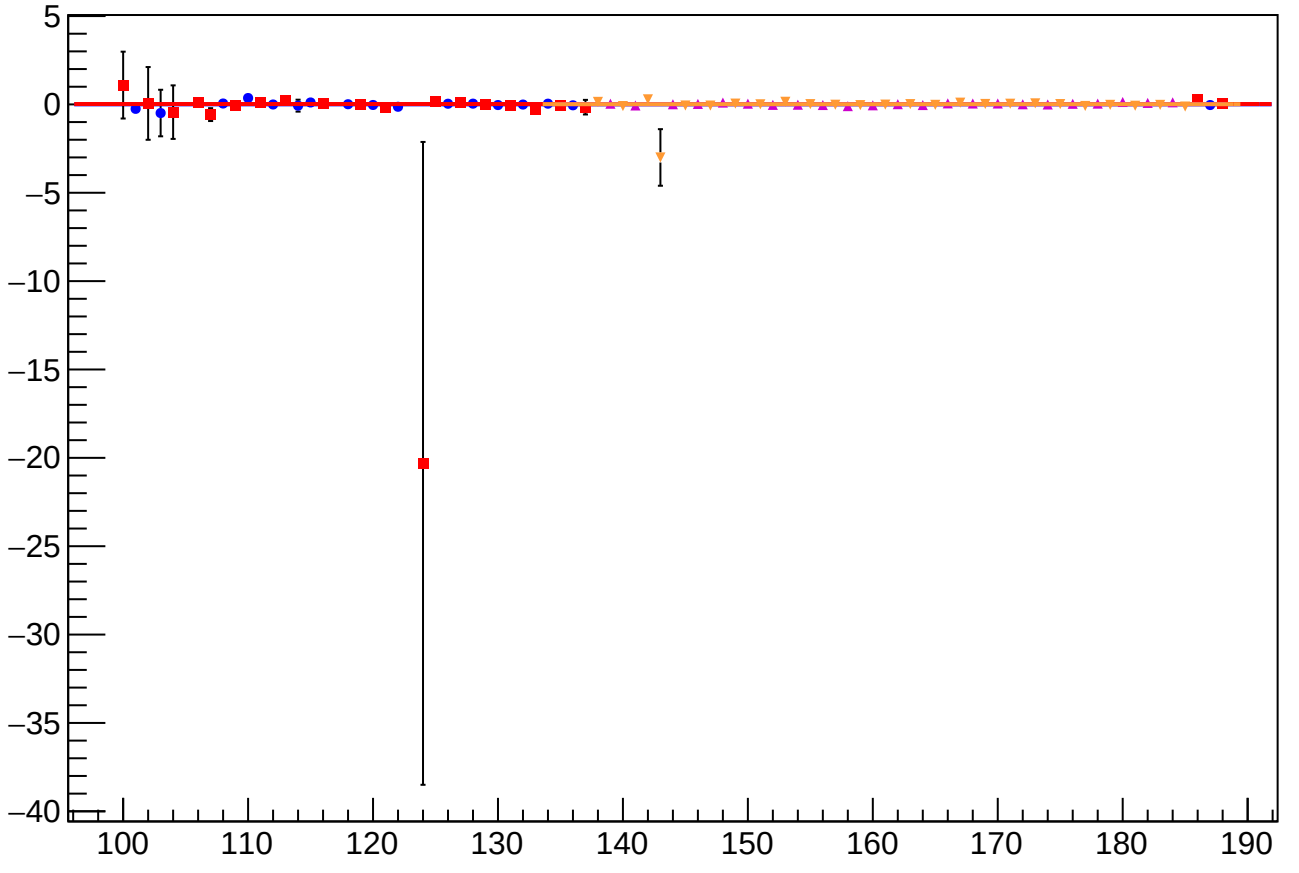
Right Out: 57.473+/-0.017 χ^2/NDF: 3887014.8/20

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.105+/-0.008 χ^2/NDF: 6383559.5/41

All: 49.490+/-0.006 χ^2/NDF: 12533443.0/85

- sign 48.906+/-0.008 χ^2/NDF: 6138230.7/43



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.021+/-0.025 χ^2/NDF: 20.6/20

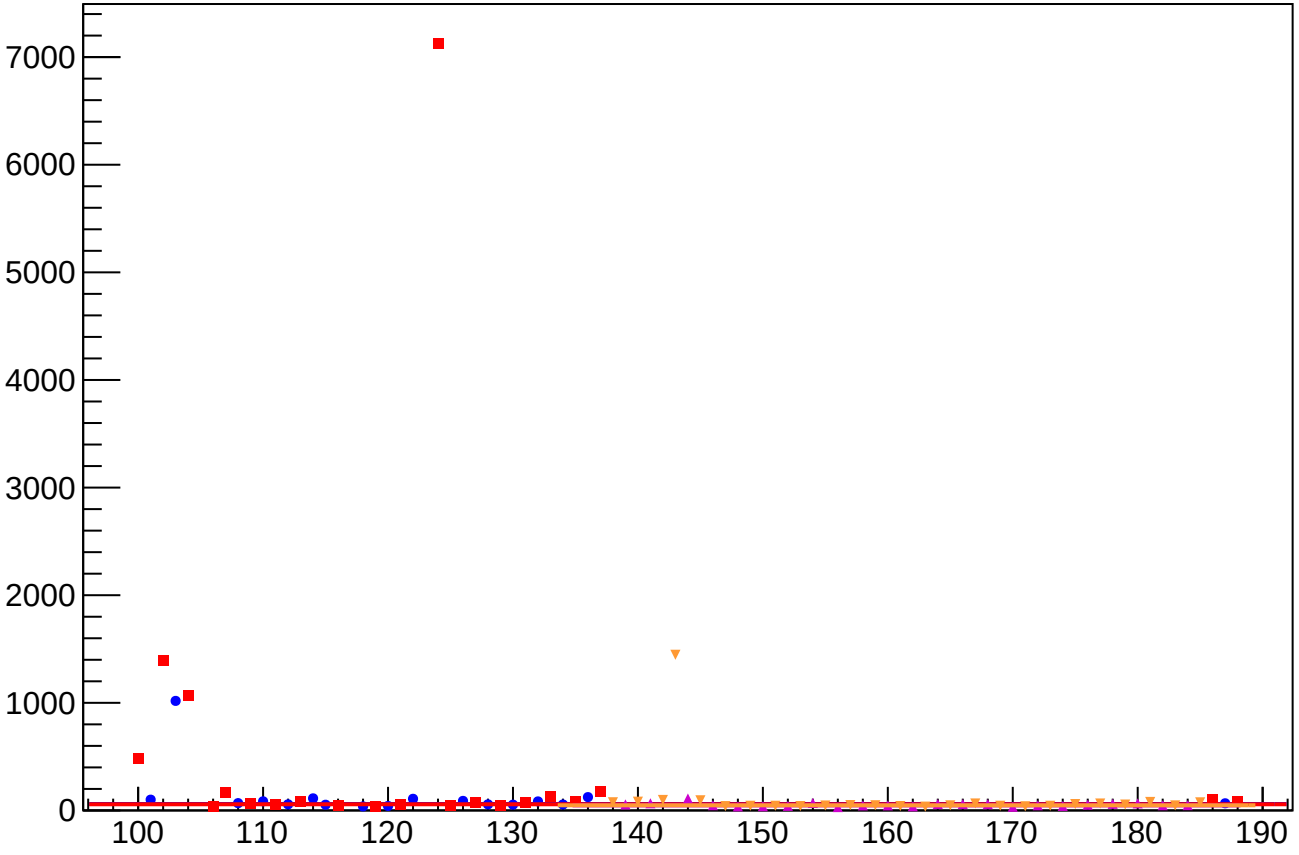
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/41

All: 0.014+/-0.008 χ^2/NDF: 82.4/85

- sign 0.019+/-0.011 χ^2/NDF: 40.9/43

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.011+/-0.019 χ^2/NDF: 2542116.4/16

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

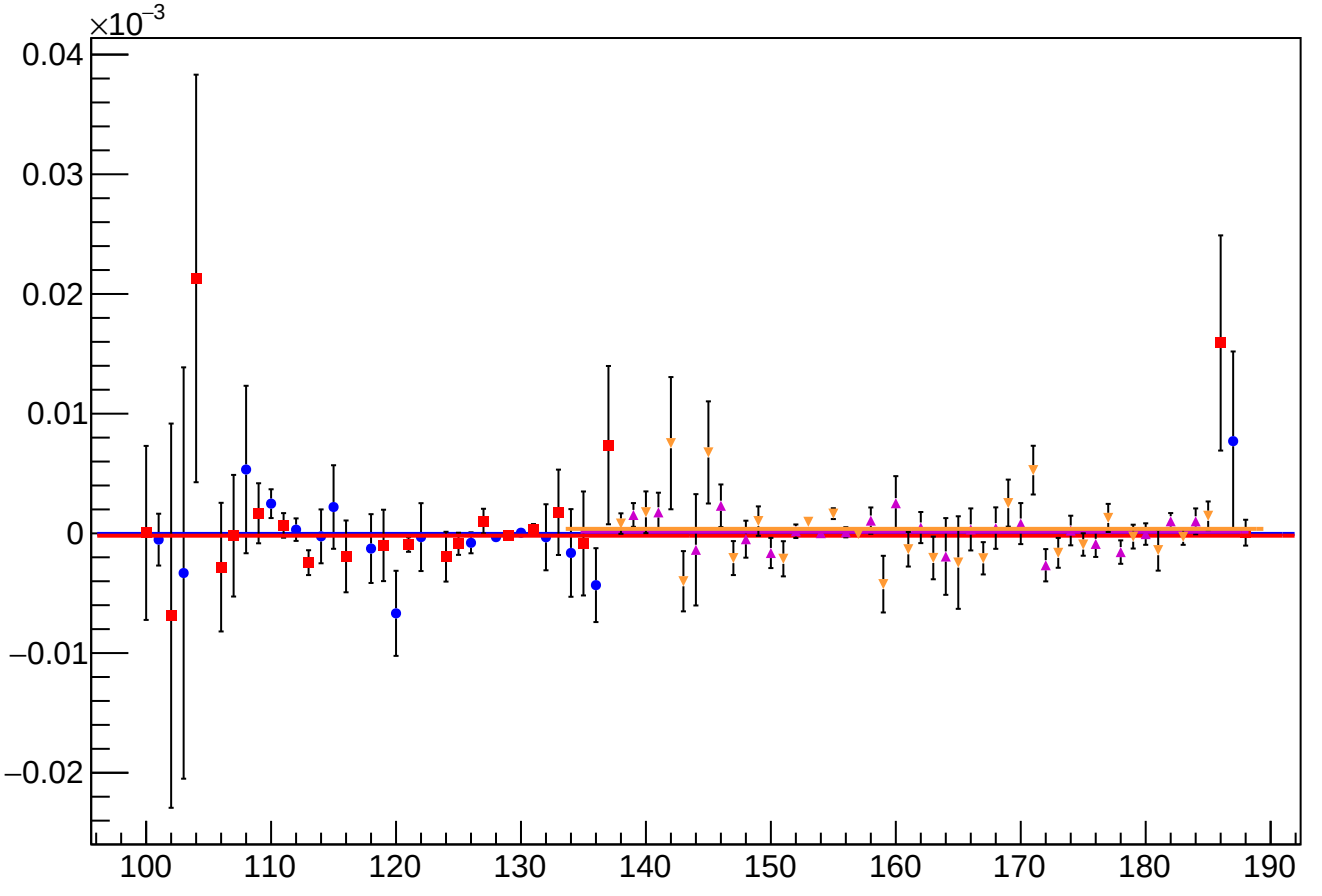
Right Out: 57.473+/-0.017 χ^2/NDF: 3887014.8/20

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.105+/-0.008 χ^2/NDF: 6383559.5/41

All: 49.490+/-0.006 χ^2/NDF: 12533443.0/85

- sign 48.906+/-0.008 χ^2/NDF: 6138230.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/20

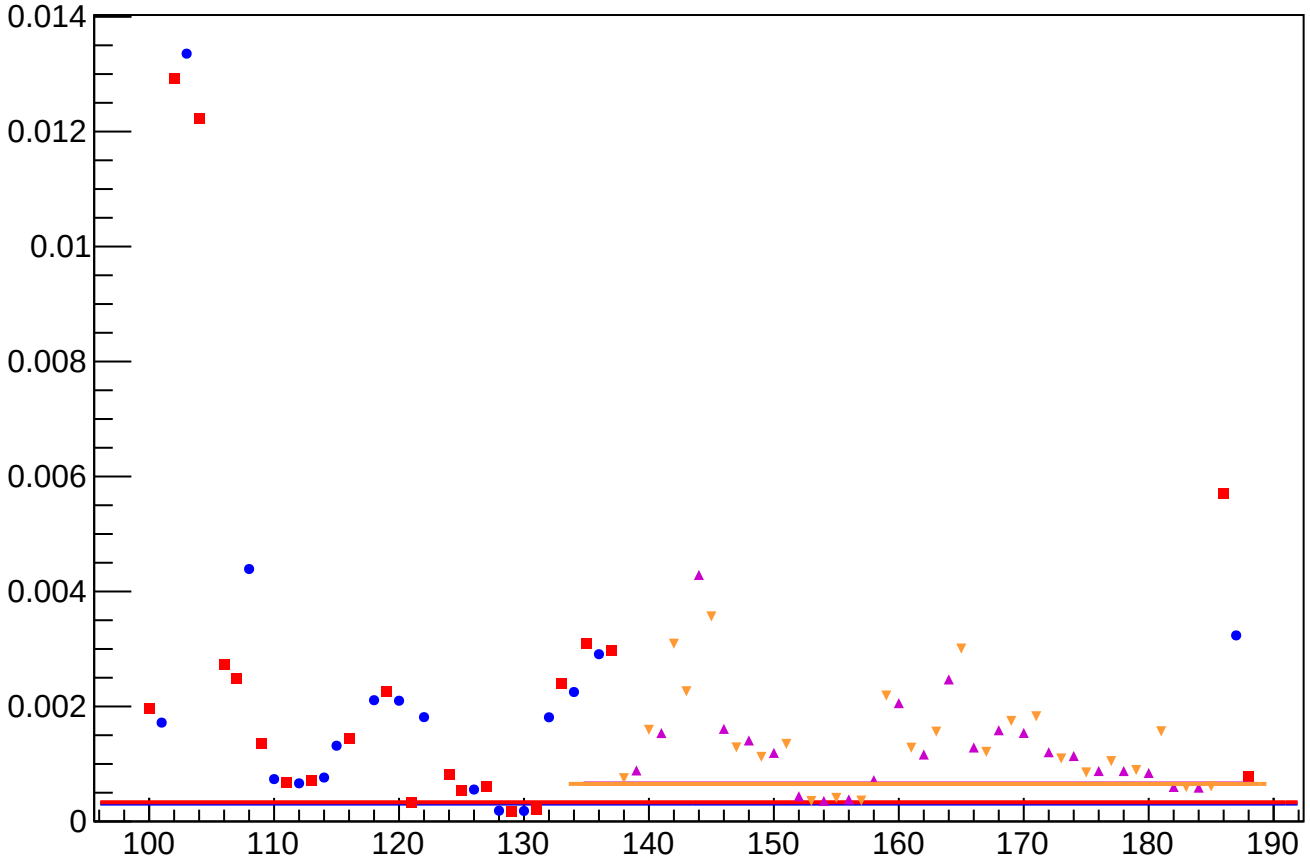
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.1/41

All: 0.000+/-0.000 χ^2/NDF: 109.7/85

- sign -0.000+/-0.000 χ^2/NDF: 40.4/43

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9061555.7/16

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

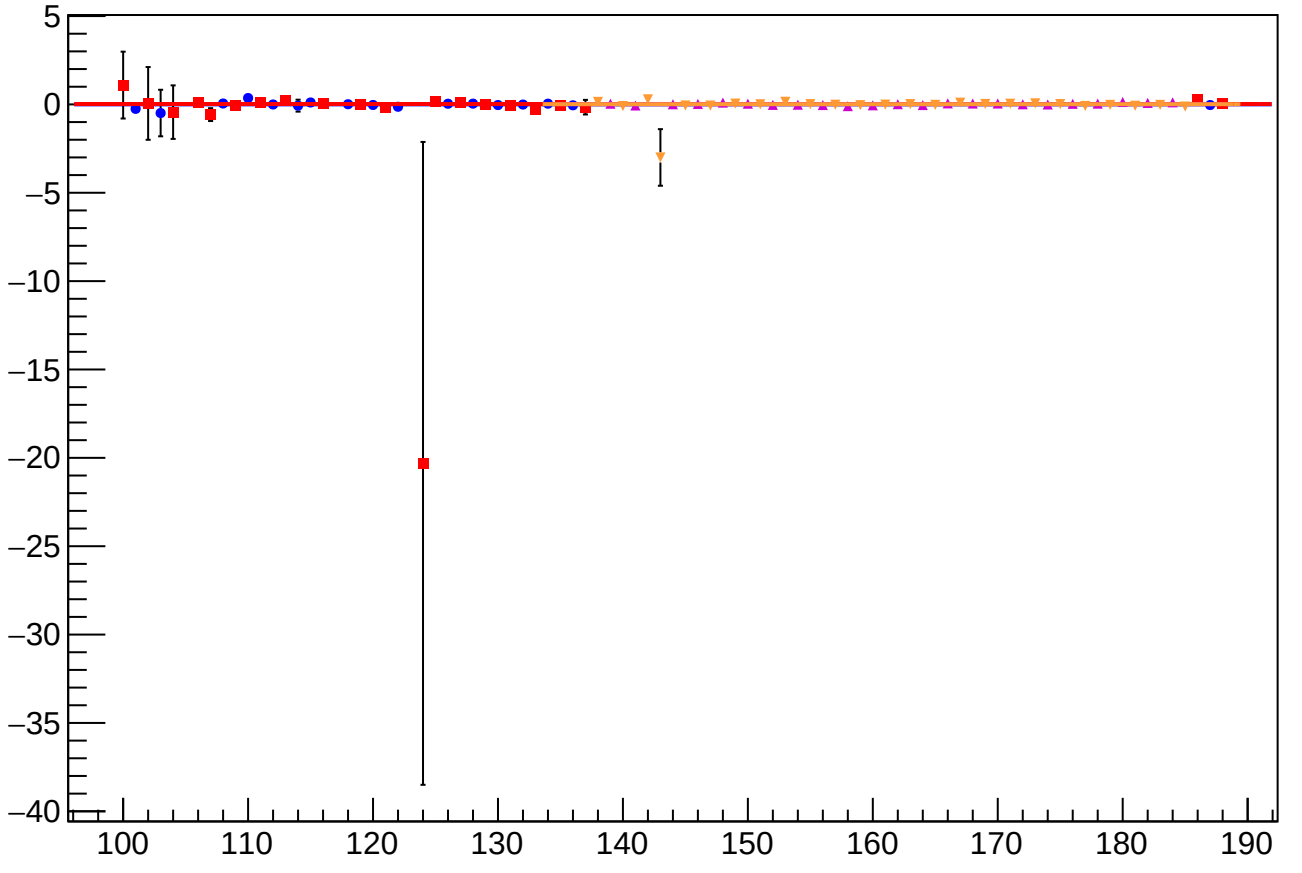
Right Out: 0.000+/-0.000 χ^2/NDF: 9092239.3/20

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 24482557.7/41

All: 0.000+/-0.000 χ^2/NDF: 46268552.9/85

- sign 0.000+/-0.000 χ^2/NDF: 21783305.2/43



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.021+/-0.025 χ^2/NDF: 20.6/20

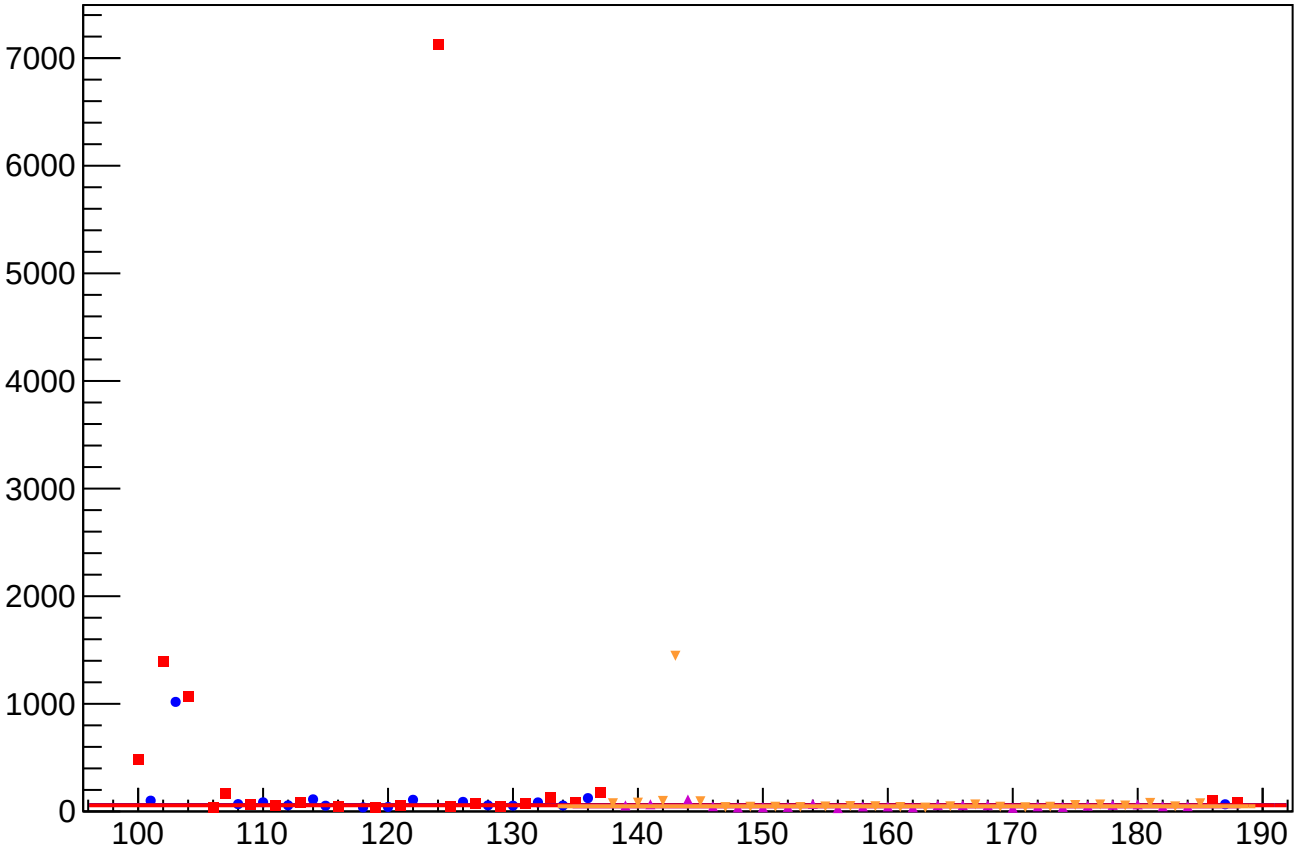
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/41

All: 0.014+/-0.008 χ^2/NDF: 82.4/85

- sign 0.019+/-0.011 χ^2/NDF: 40.9/43

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.011+/-0.019 χ^2/NDF: 2542132.8/16

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

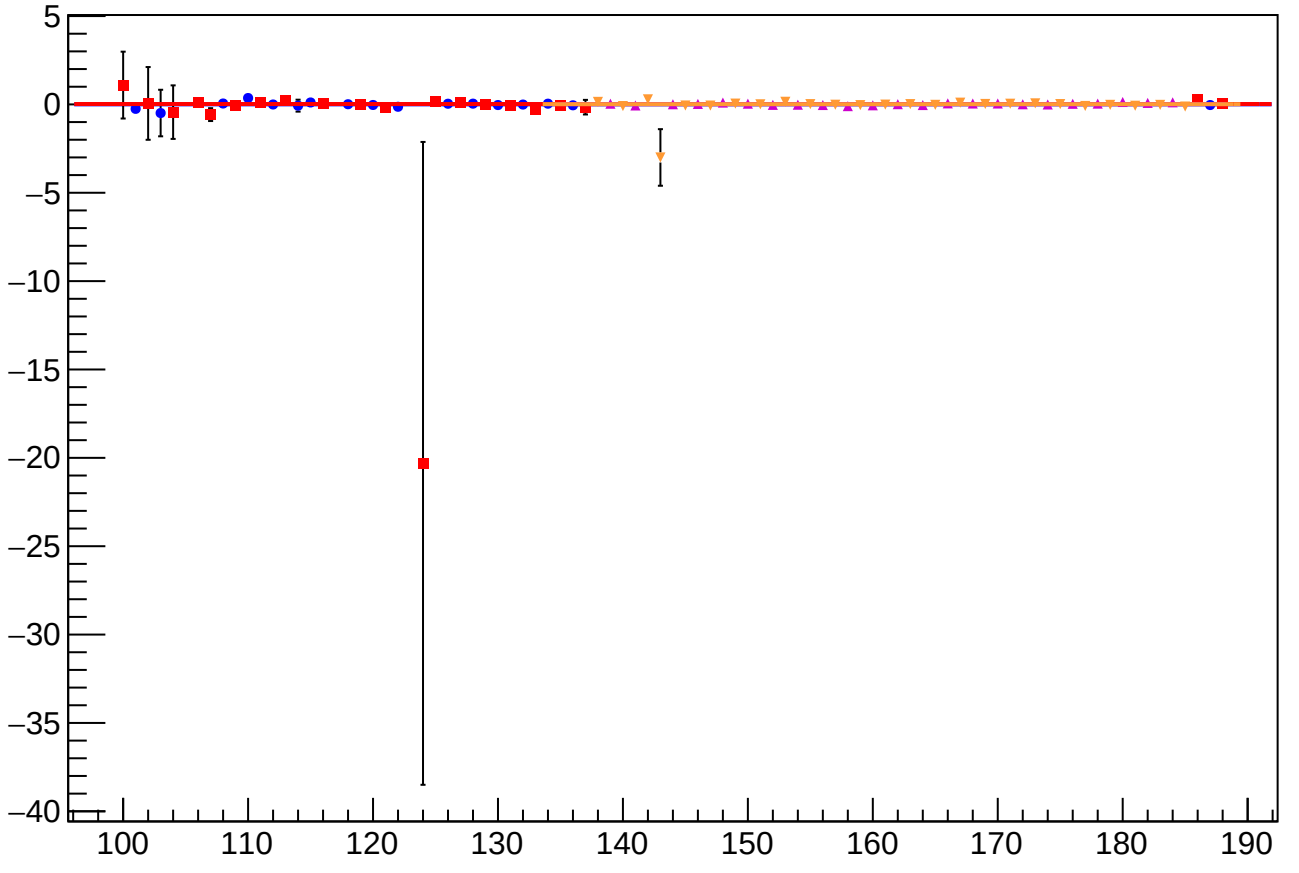
Right Out: 57.472+/-0.017 χ^2/NDF: 3887109.3/20

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.106+/-0.008 χ^2/NDF: 6383531.4/41

All: 49.490+/-0.006 χ^2/NDF: 12533458.9/85

- sign 48.906+/-0.008 χ^2/NDF: 6138268.1/43



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

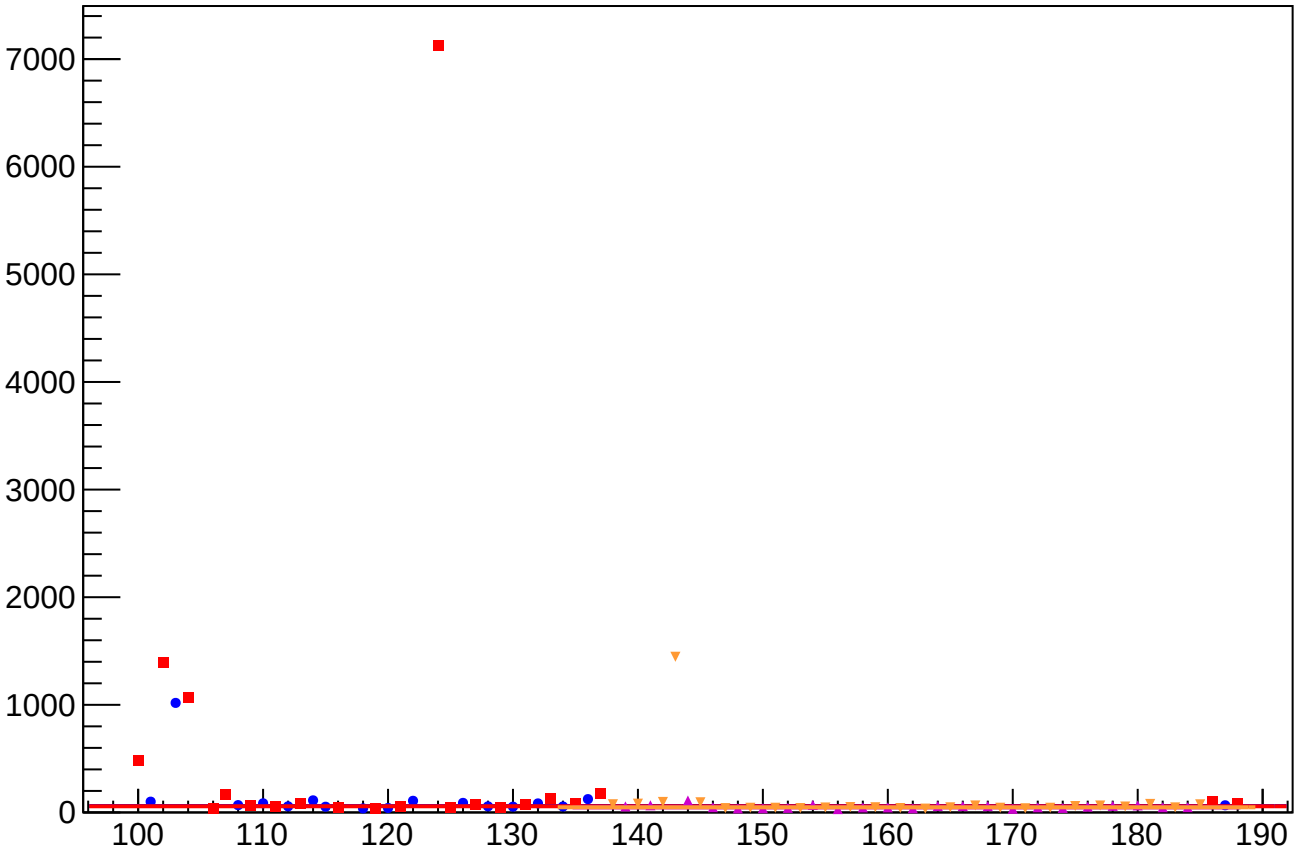
Right Out: 0.021+/-0.025 χ^2/NDF: 20.6/20

Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/41

All: 0.014+/-0.008 χ^2/NDF: 82.4/85

- sign 0.019+/-0.011 χ^2/NDF: 40.9/43



Right In: 60.011+/-0.019 χ^2/NDF: 2542132.8/16

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

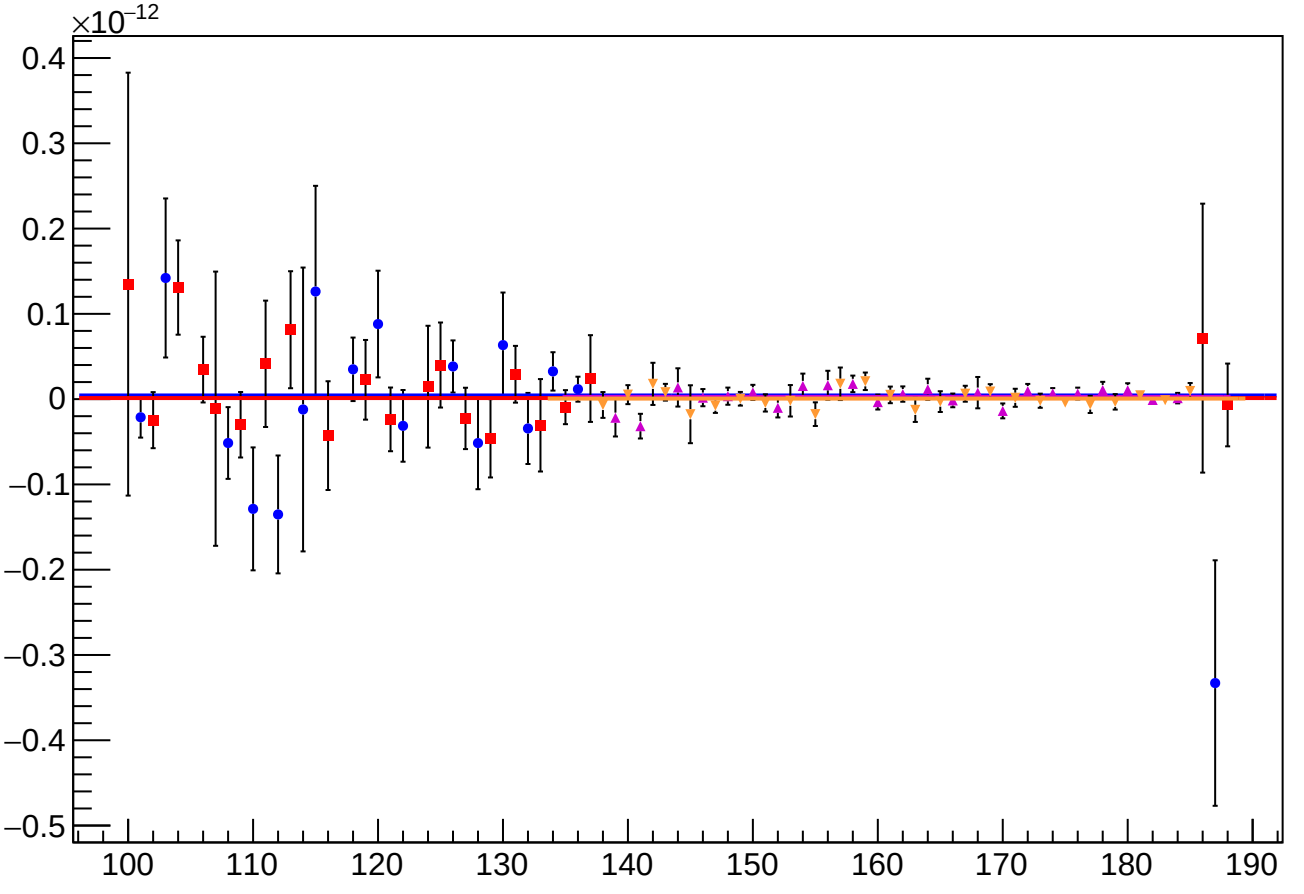
Right Out: 57.472+/-0.017 χ^2/NDF: 3887109.3/20

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.106+/-0.008 χ^2/NDF: 6383531.4/41

All: 49.490+/-0.006 χ^2/NDF: 12533458.9/85

- sign 48.906+/-0.008 χ^2/NDF: 6138268.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

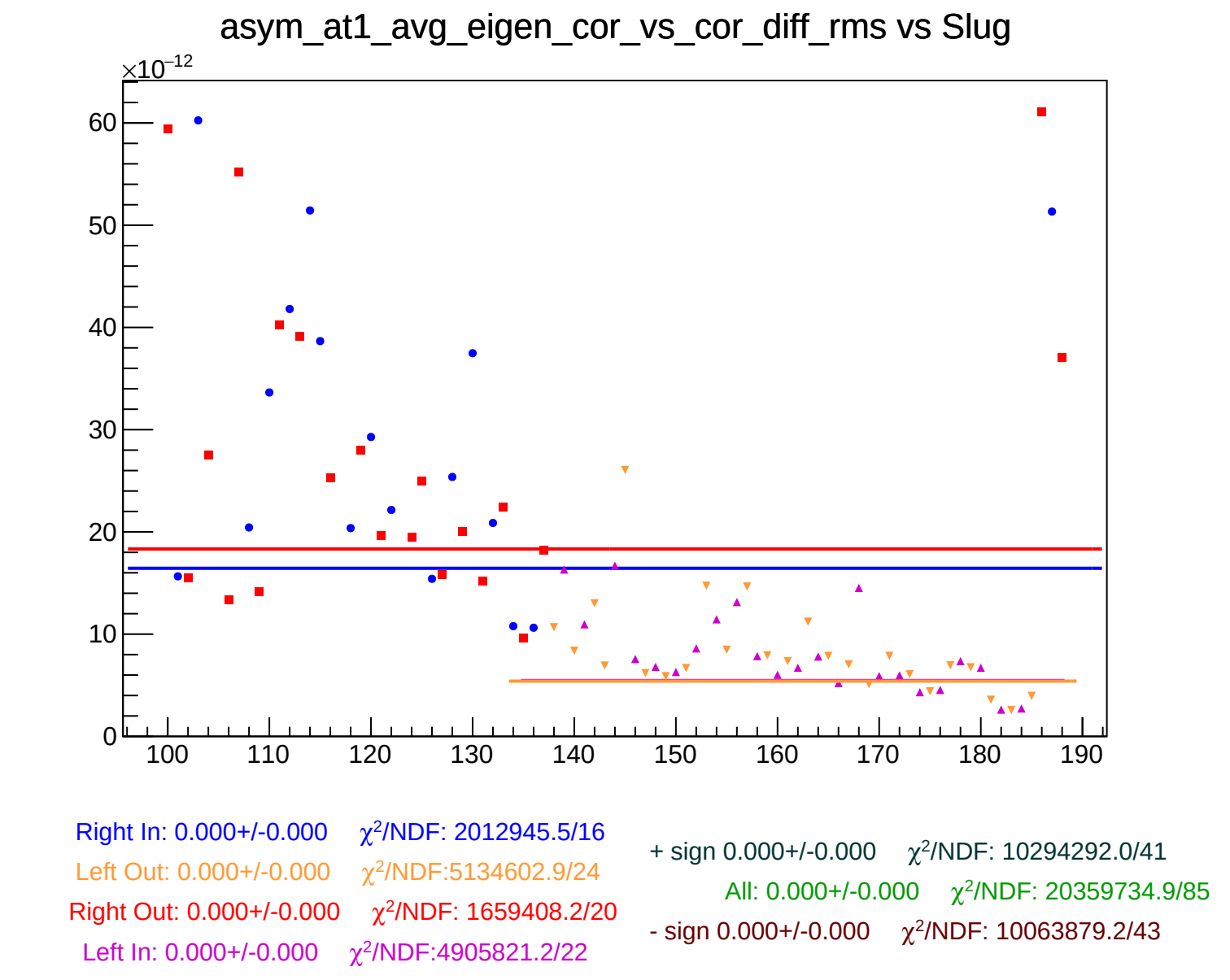
Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/20

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.4/41

All: 0.000+/-0.000 χ^2/NDF: 80.2/85

- sign 0.000+/-0.000 χ^2/NDF: 36.3/43


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
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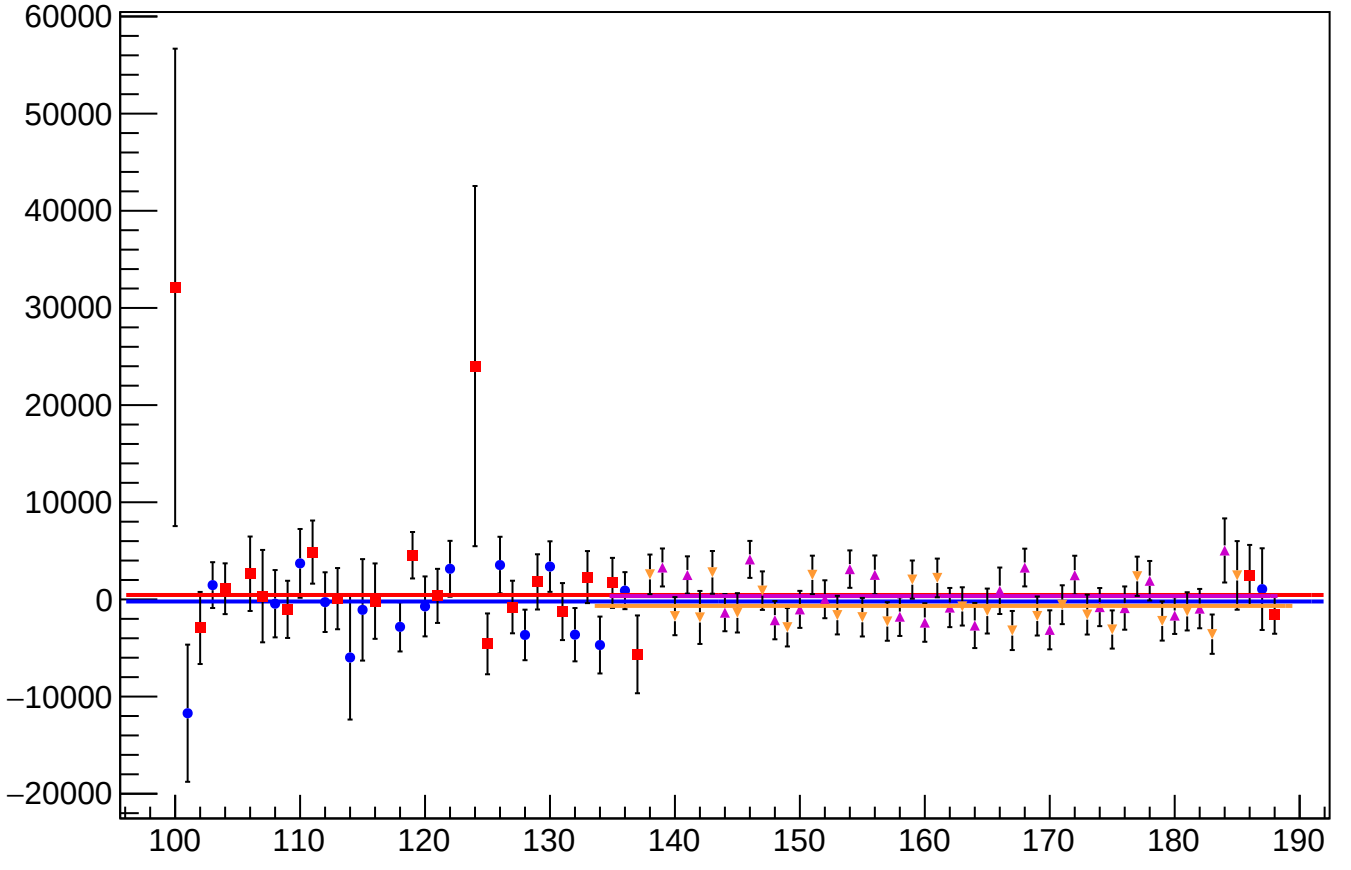
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2012945.5/16
Left Out: 0.000+/-0.000 χ²/NDF:5134602.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 1659408.2/20
Left In: 0.000+/-0.000 χ²/NDF:4905821.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10294292.0/41
All: 0.000+/-0.000 χ²/NDF: 20359734.9/85
- sign 0.000+/-0.000 χ²/NDF: 10063879.2/43

reg_asym_at1_dd_mean vs Slug



Right In: -212.413+/-724.127 χ^2/NDF: 17.3/16

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 456.784+/-671.662 χ^2/NDF: 17.5/20

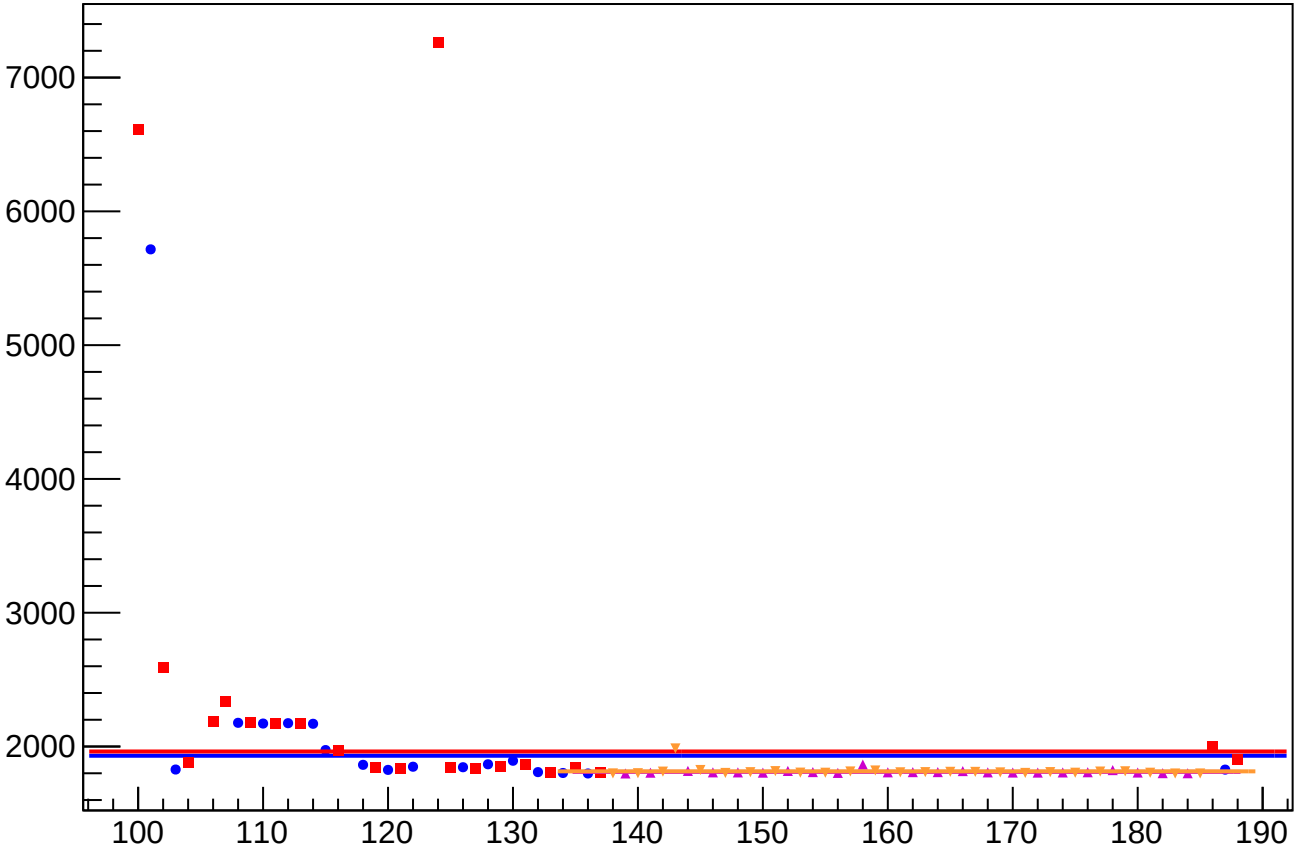
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -558.043+/-358.231 χ^2/NDF: 42.4/41

All: -90.783+/-253.140 χ^2/NDF: 93.4/85

- sign 375.242+/-357.757 χ^2/NDF: 47.6/43

reg_asym_at1_dd_rms vs Slug



Right In: 1931.048+/-0.512 χ^2/NDF: 641172.9/16

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1962.907+/-0.475 χ^2/NDF: 380710.6/20

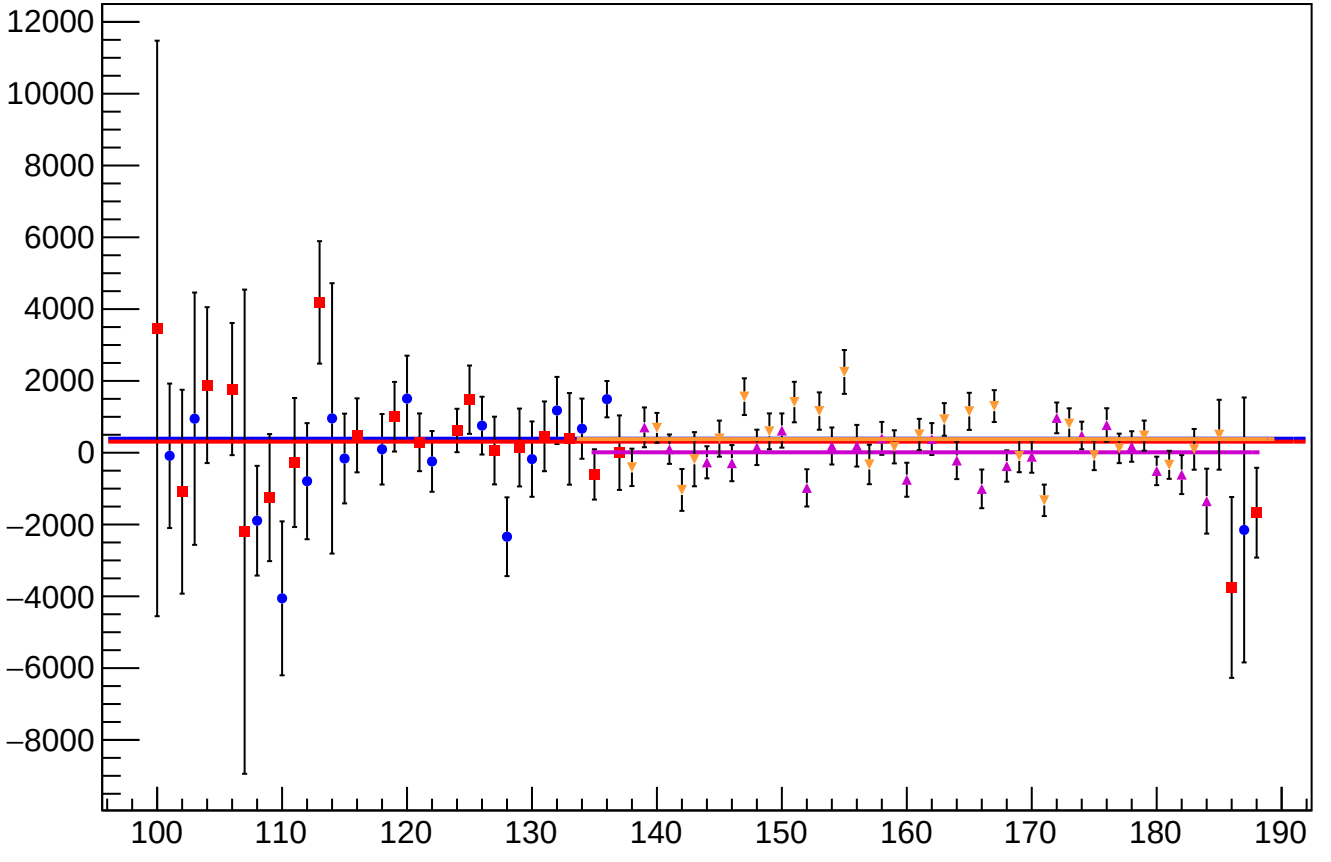
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1842.974+/-0.253 χ^2/NDF: 693448.7/41

All: 1848.349+/-0.179 χ^2/NDF: 1150828.3/85

- sign 1853.709+/-0.253 χ^2/NDF: 456480.4/43

asym_at1_dd_reg_correction_mean vs Slug



Right In: 390.146+/-257.942 χ^2/NDF: 21.6/16

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 308.336+/-246.622 χ^2/NDF: 17.1/20

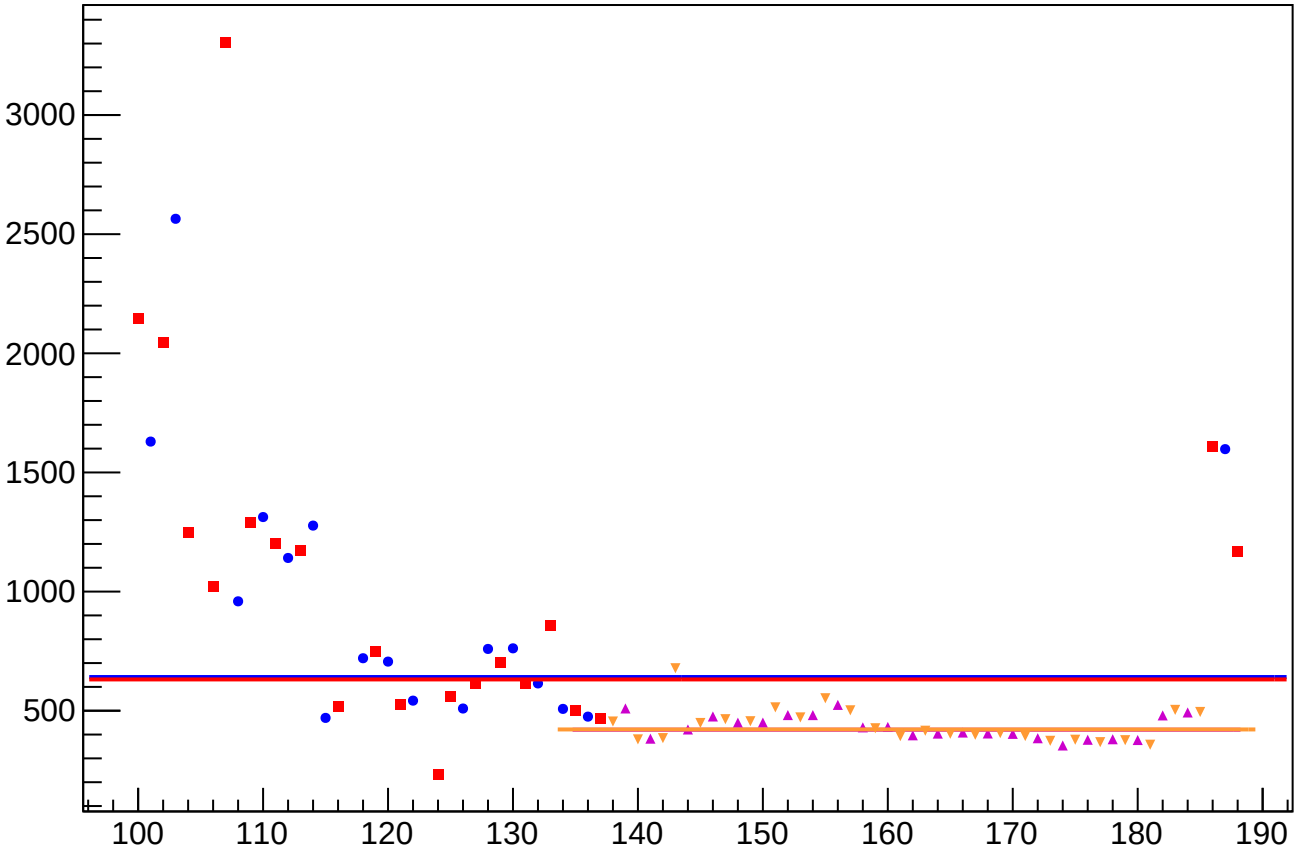
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 380.690+/-90.803 χ^2/NDF: 83.9/41

All: 218.584+/-64.576 χ^2/NDF: 139.8/85

- sign 52.701+/-91.855 χ^2/NDF: 49.4/43

asym_at1_dd_reg_correction_rms vs Slug



Right In: 641.397+/-0.182 χ^2/NDF: 2201938.3/16

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 631.351+/-0.174 χ^2/NDF: 3643629.6/20

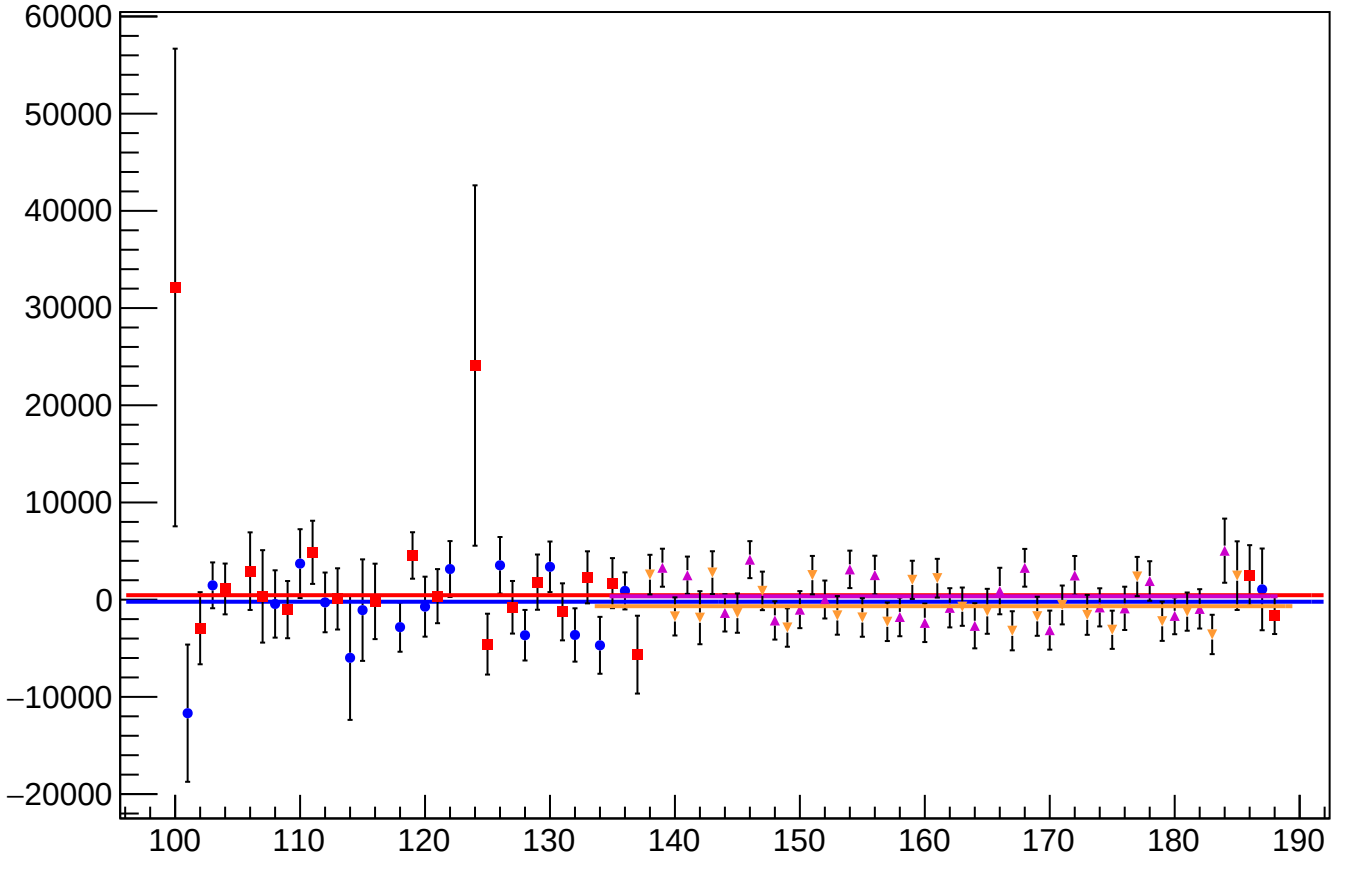
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 448.678+/-0.064 χ^2/NDF: 4219358.4/41

All: 449.089+/-0.046 χ^2/NDF: 9538621.7/85

- sign 449.510+/-0.065 χ^2/NDF: 5319180.2/43

cor_asym_at1_dd_mean vs Slug



Right In: -211.642+/-724.127 χ^2/NDF: 17.3/16

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 460.261+/-672.478 χ^2/NDF: 17.6/20

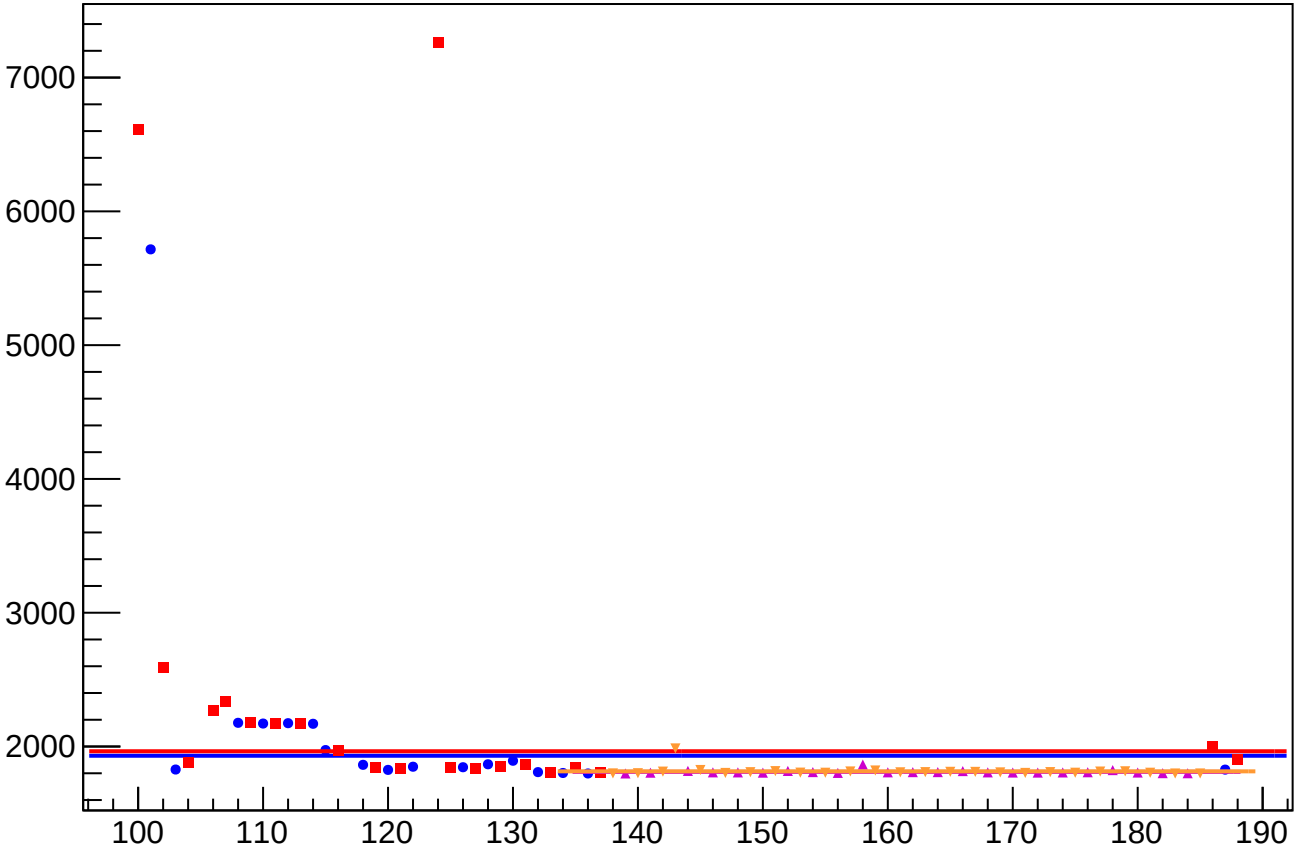
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -557.847+/-358.231 χ^2/NDF: 42.4/41

All: -90.365+/-253.184 χ^2/NDF: 93.4/85

- sign 376.203+/-357.881 χ^2/NDF: 47.7/43

cor_asym_at1_dd_rms vs Slug



Right In: 1931.048+/-0.512 χ^2/NDF: 641172.8/16

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1964.686+/-0.476 χ^2/NDF: 385611.0/20

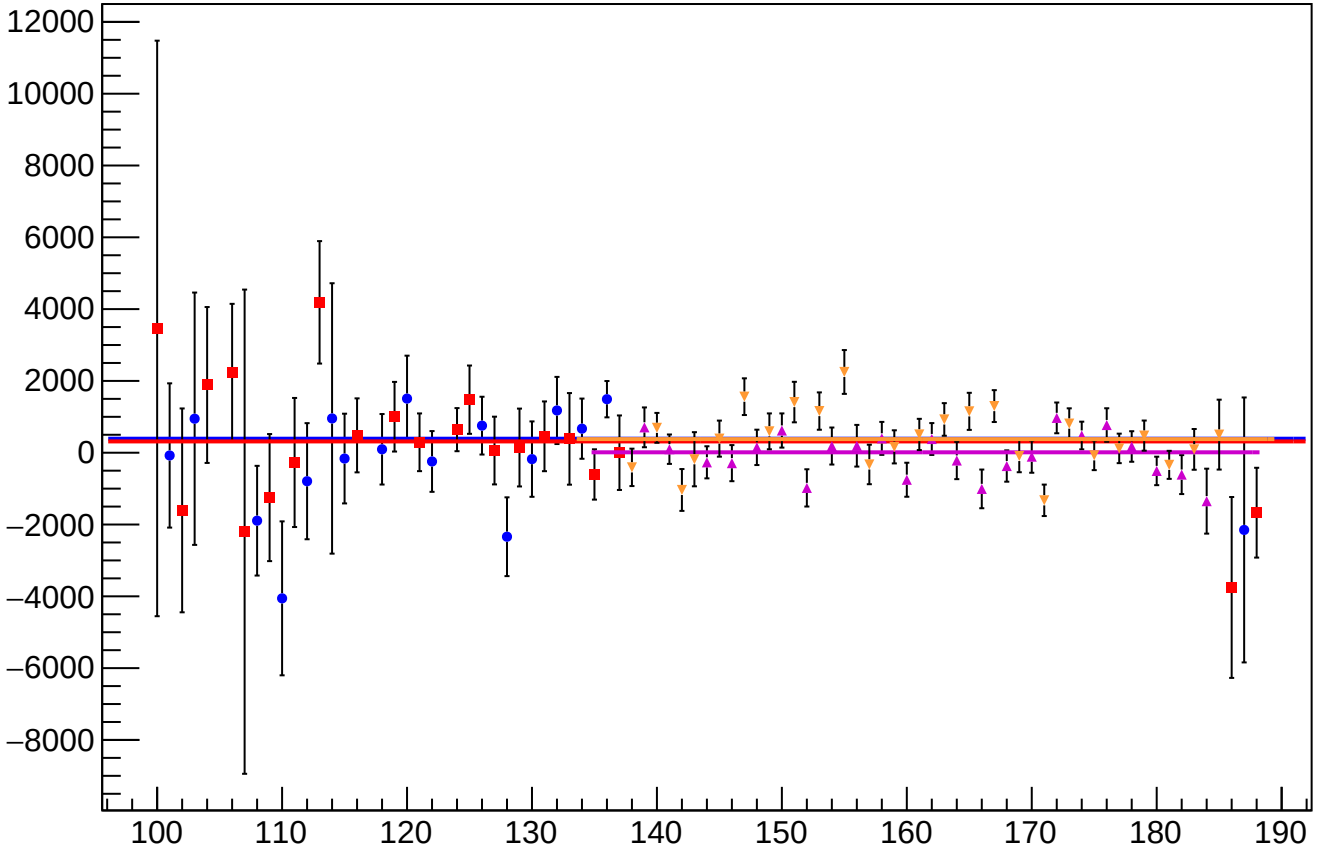
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1842.974+/-0.253 χ^2/NDF: 693448.6/41

All: 1848.561+/-0.179 χ^2/NDF: 1157402.8/85

- sign 1854.138+/-0.253 χ^2/NDF: 462982.1/43

asym_at1_dd_cor_correction_mean vs Slug



Right In: 390.224+/-257.931 χ^2/NDF: 21.6/16

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 314.775+/-246.482 χ^2/NDF: 17.7/20

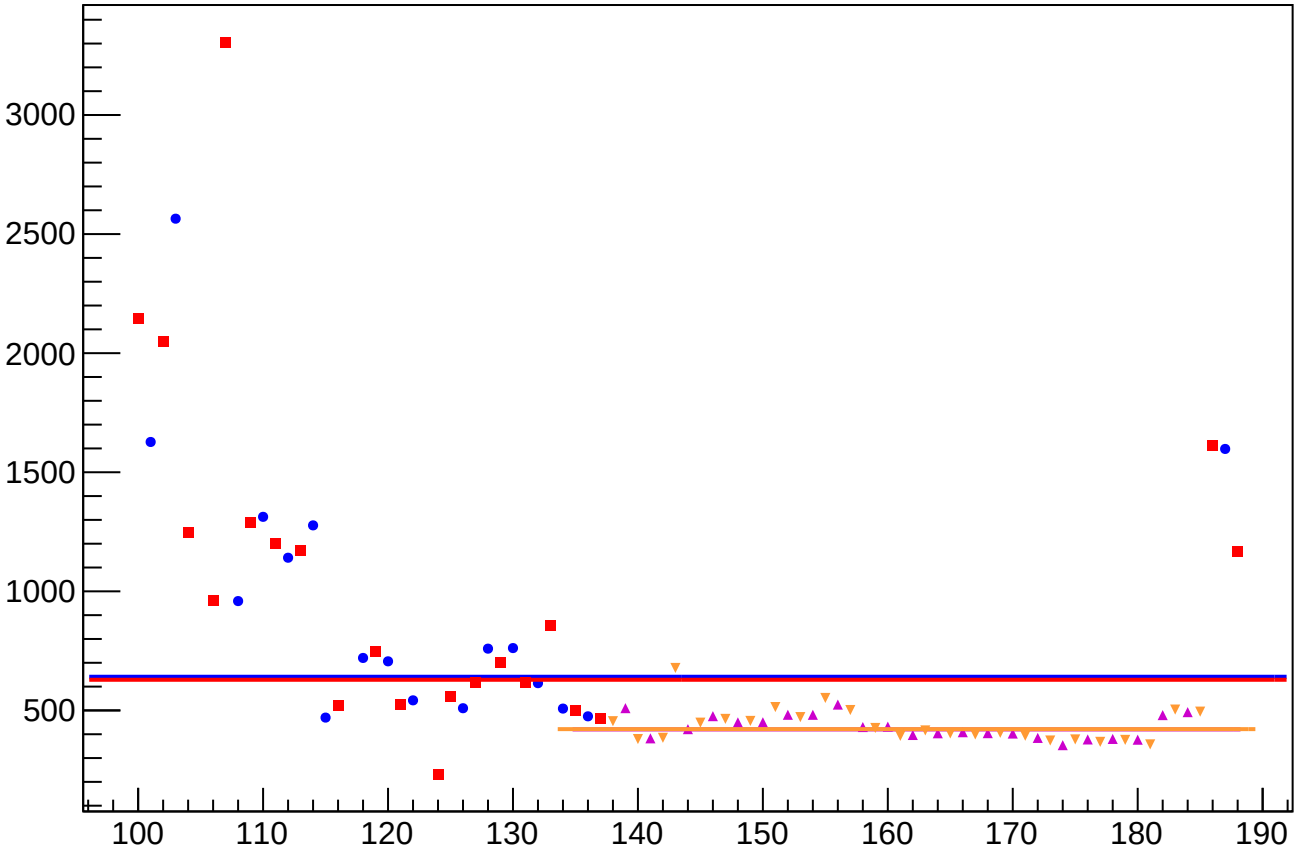
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 380.692+/-90.803 χ^2/NDF: 83.9/41

All: 219.037+/-64.573 χ^2/NDF: 140.5/85

- sign 53.645+/-91.847 χ^2/NDF: 50.1/43

asym_at1_dd_cor_correction_rms vs Slug



Right In: 641.395+/-0.182 χ^2/NDF: 2201070.9/16

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 628.680+/-0.174 χ^2/NDF: 3635507.9/20

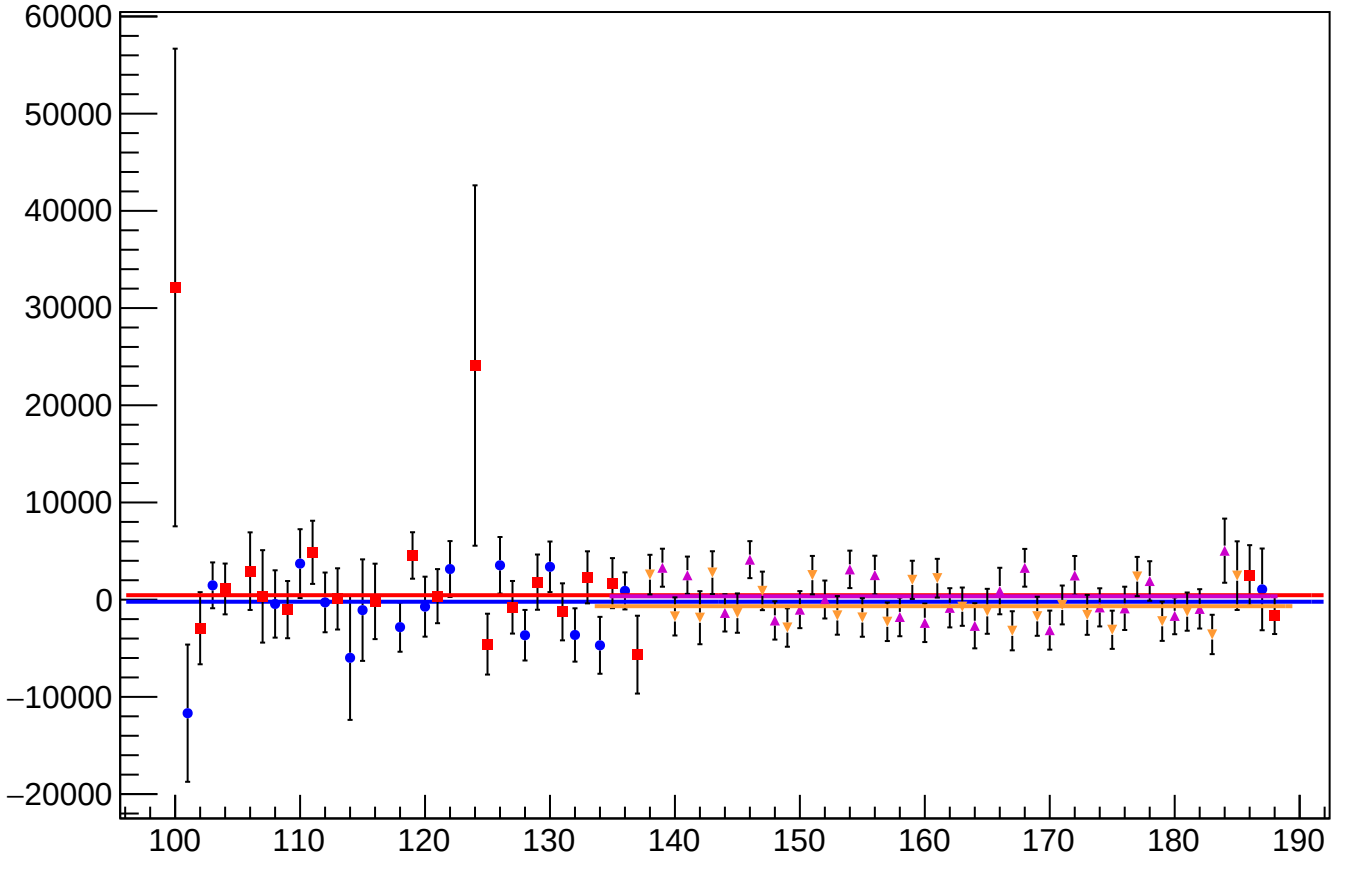
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 448.682+/-0.064 χ^2/NDF: 4218456.0/41

All: 448.921+/-0.046 χ^2/NDF: 9499098.3/85

- sign 449.164+/-0.065 χ^2/NDF: 5280614.5/43

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -211.642+/-724.127 χ^2/NDF: 17.3/16

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 460.261+/-672.478 χ^2/NDF: 17.6/20

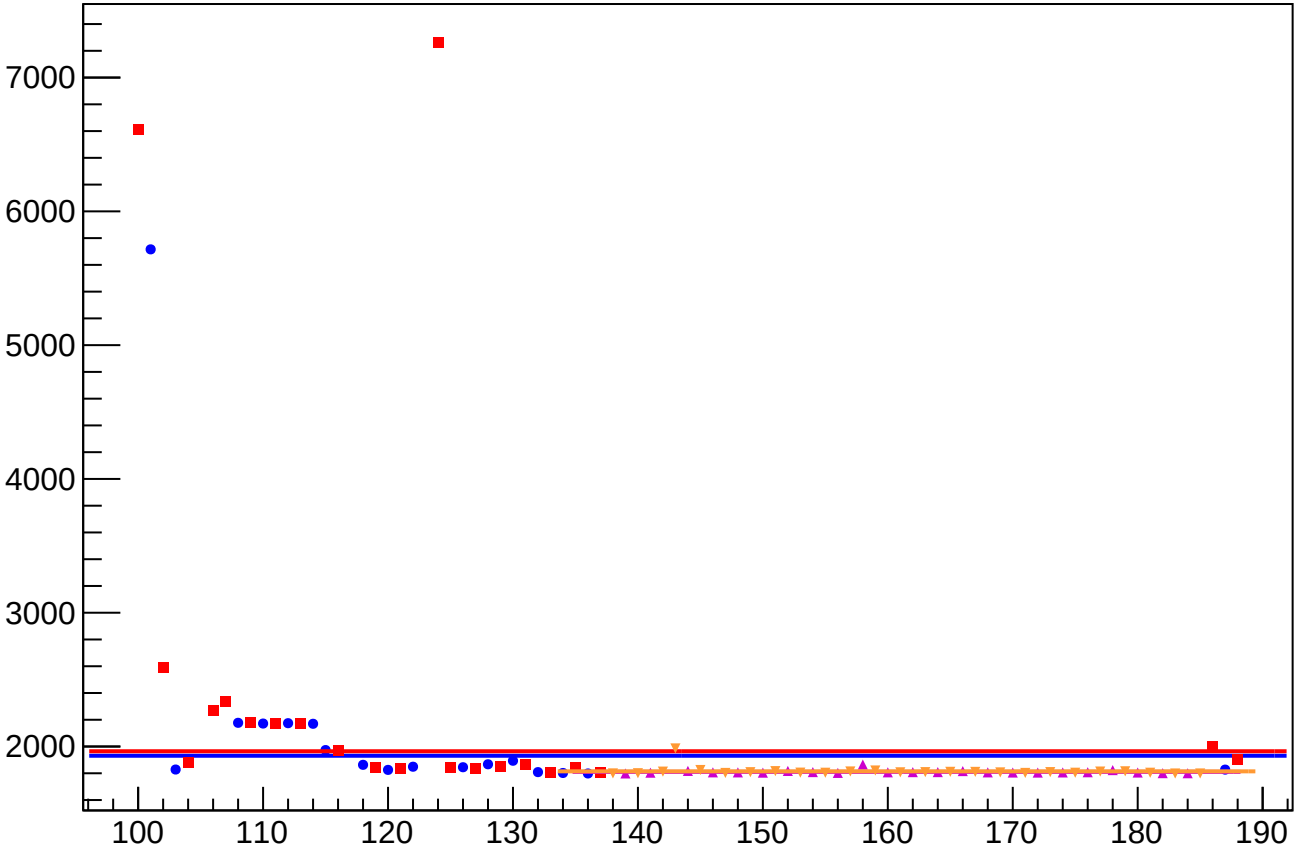
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -557.847+/-358.231 χ^2/NDF: 42.4/41

All: -90.365+/-253.184 χ^2/NDF: 93.4/85

- sign 376.203+/-357.881 χ^2/NDF: 47.7/43

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1931.048+/-0.512 χ^2/NDF: 641172.8/16

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1964.686+/-0.476 χ^2/NDF: 385611.0/20

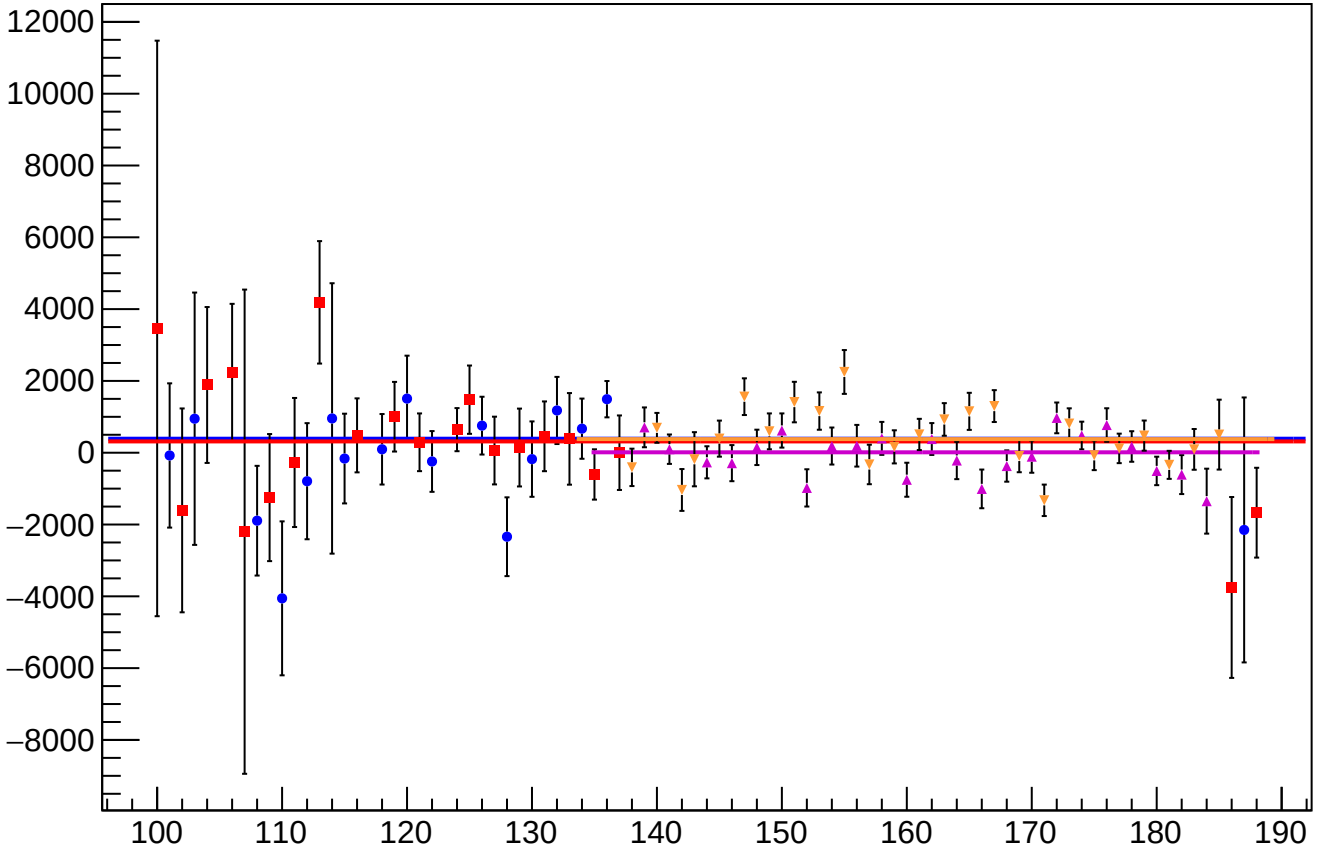
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1842.974+/-0.253 χ^2/NDF: 693448.6/41

All: 1848.561+/-0.179 χ^2/NDF: 1157402.8/85

- sign 1854.138+/-0.253 χ^2/NDF: 462982.1/43

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 390.224+/-257.931 χ^2/NDF: 21.6/16

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 314.775+/-246.482 χ^2/NDF: 17.7/20

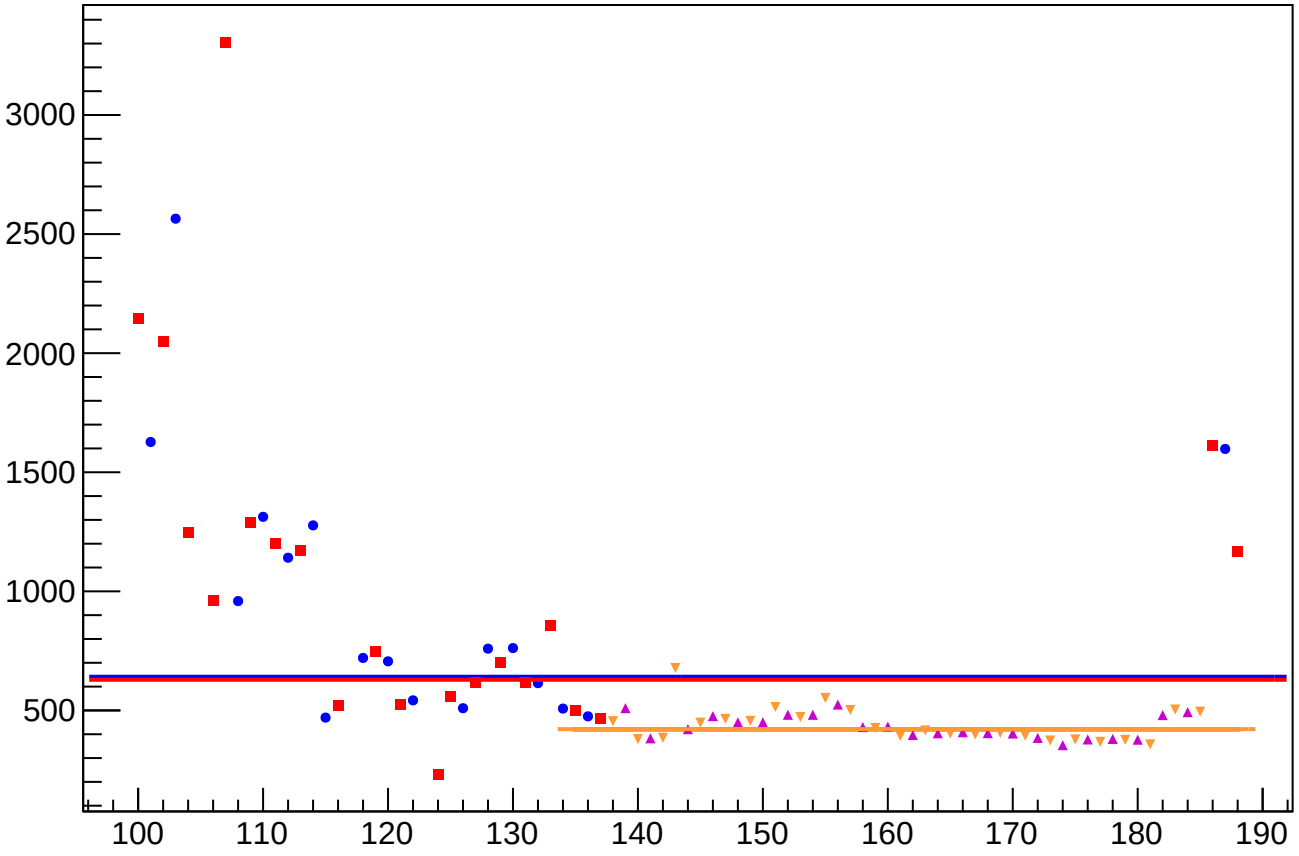
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 380.692+/-90.803 χ^2/NDF: 83.9/41

All: 219.037+/-64.573 χ^2/NDF: 140.5/85

- sign 53.645+/-91.847 χ^2/NDF: 50.1/43

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 641.395+/-0.182 χ^2/NDF: 2201070.9/16

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 628.680+/-0.174 χ^2/NDF: 3635507.9/20

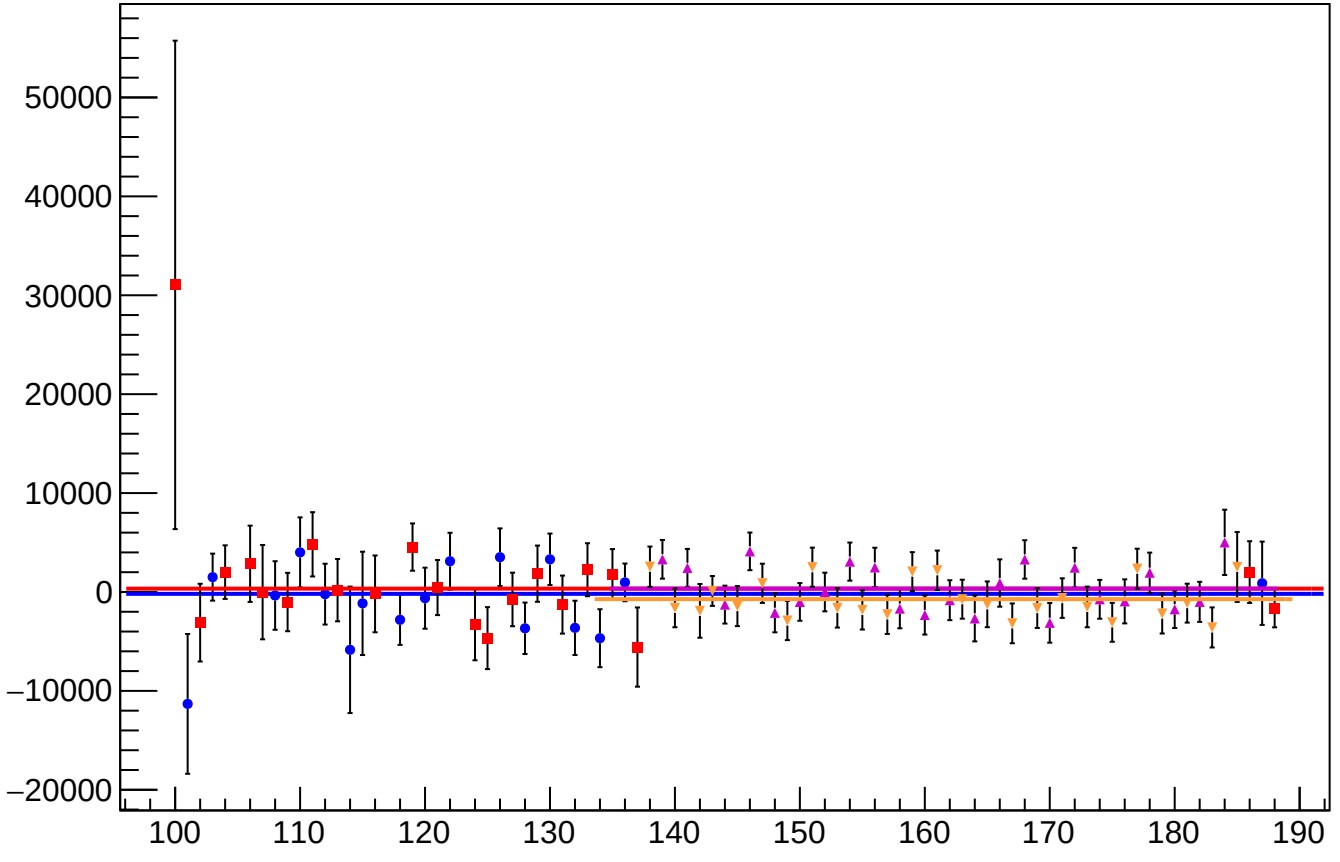
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 448.682+/-0.064 χ^2/NDF: 4218456.0/41

All: 448.921+/-0.046 χ^2/NDF: 9499098.3/85

- sign 449.164+/-0.065 χ^2/NDF: 5280614.5/43

dit_asym_at1_dd_mean vs Slug



Right In: -187.726+/-724.901 χ^2/NDF: 17.2/16

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 337.604+/-663.785 χ^2/NDF: 17.0/20

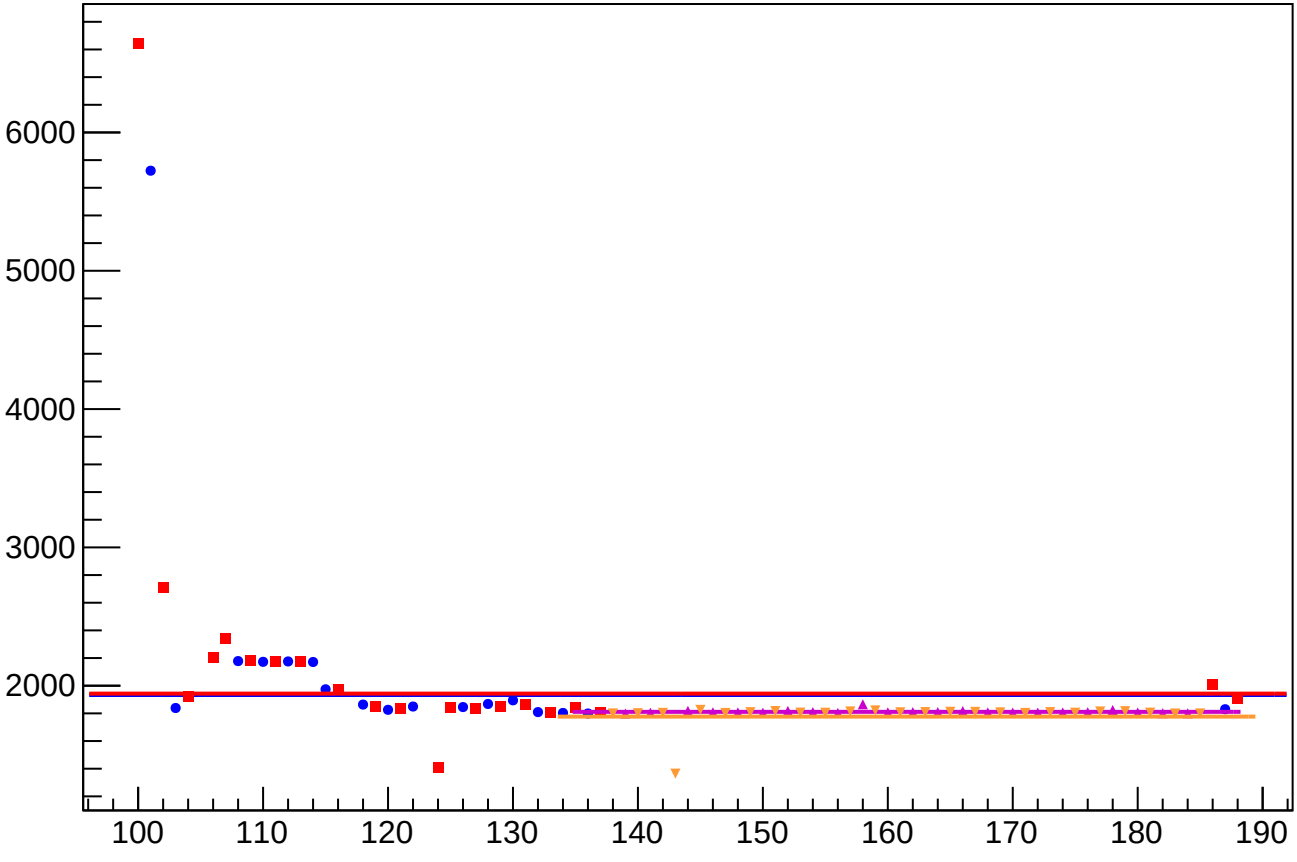
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -597.109+/-353.173 χ^2/NDF: 39.8/41

All: -133.042+/-250.948 χ^2/NDF: 89.9/85

- sign 340.178+/-356.640 χ^2/NDF: 46.6/43

dit_asym_at1_dd_rms vs Slug



Right In: 1932.836+/-0.513 χ^2/NDF: 641035.1/16

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1942.781+/-0.469 χ^2/NDF: 277836.4/20

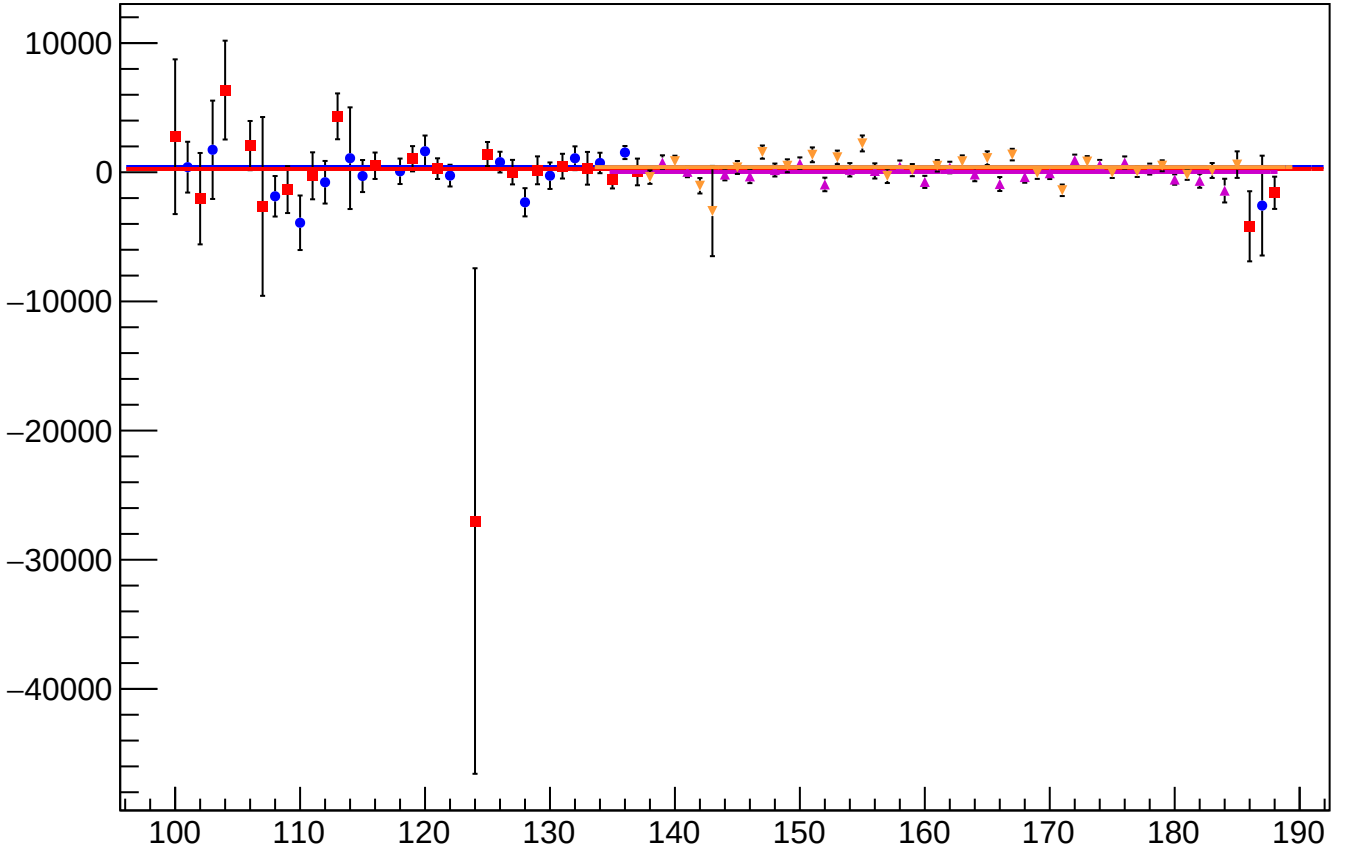
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.778+/-0.250 χ^2/NDF: 873072.1/41

All: 1831.267+/-0.177 χ^2/NDF: 1218781.1/85

- sign 1849.101+/-0.252 χ^2/NDF: 335803.3/43

asym_at1_dd_dit_correction_mean vs Slug



Right In: 407.955+/-256.185 χ^2/NDF: 22.1/16

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 253.995+/-271.435 χ^2/NDF: 21.0/20

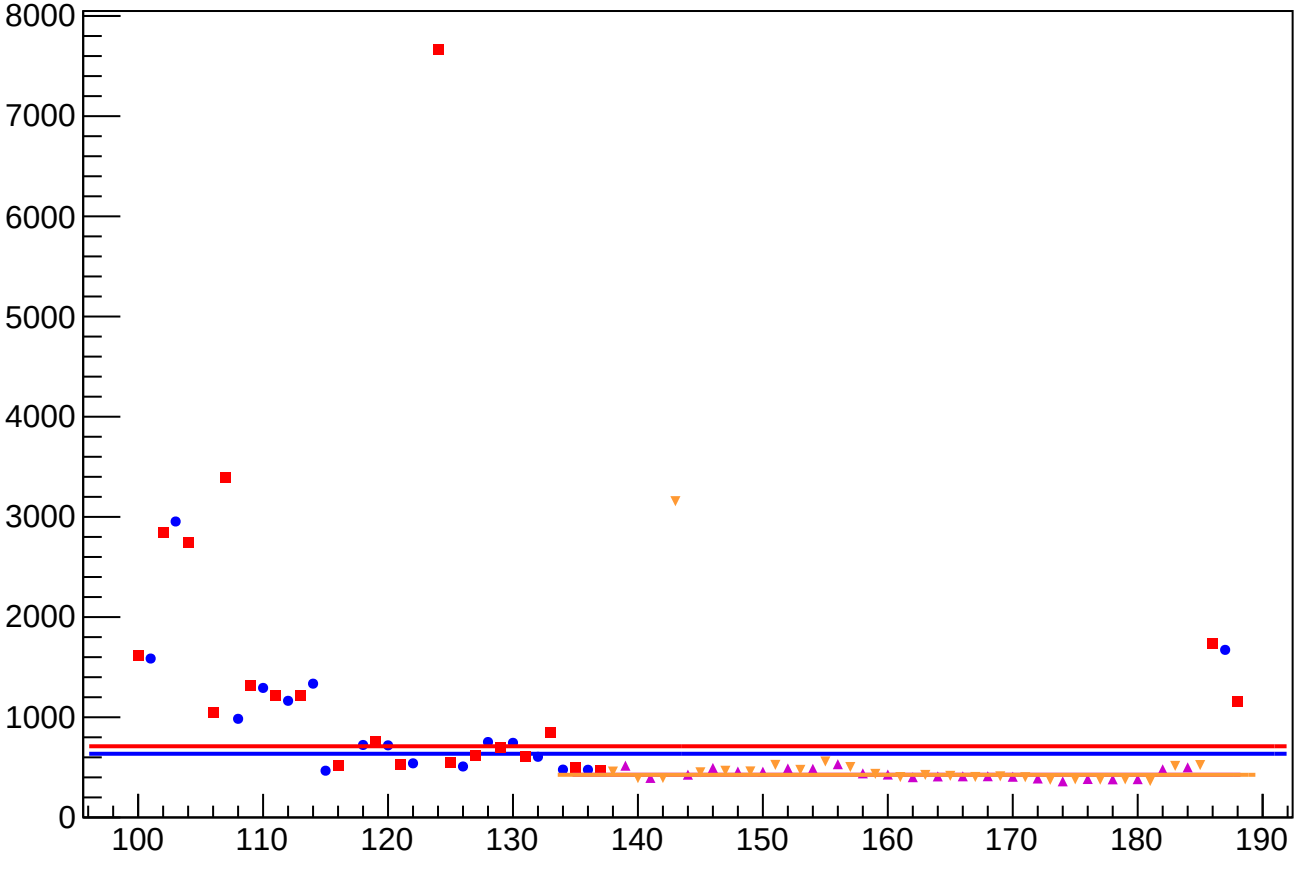
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 399.531+/-92.478 χ^2/NDF: 82.6/41

All: 227.407+/-65.942 χ^2/NDF: 142.1/85

- sign 49.373+/-94.053 χ^2/NDF: 52.5/43

asym_at1_dd_dit_correction_rms vs Slug



Right In: 635.717+/-0.181 χ^2/NDF: 2379116.9/16

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 710.542+/-0.192 χ^2/NDF: 3646909.2/20

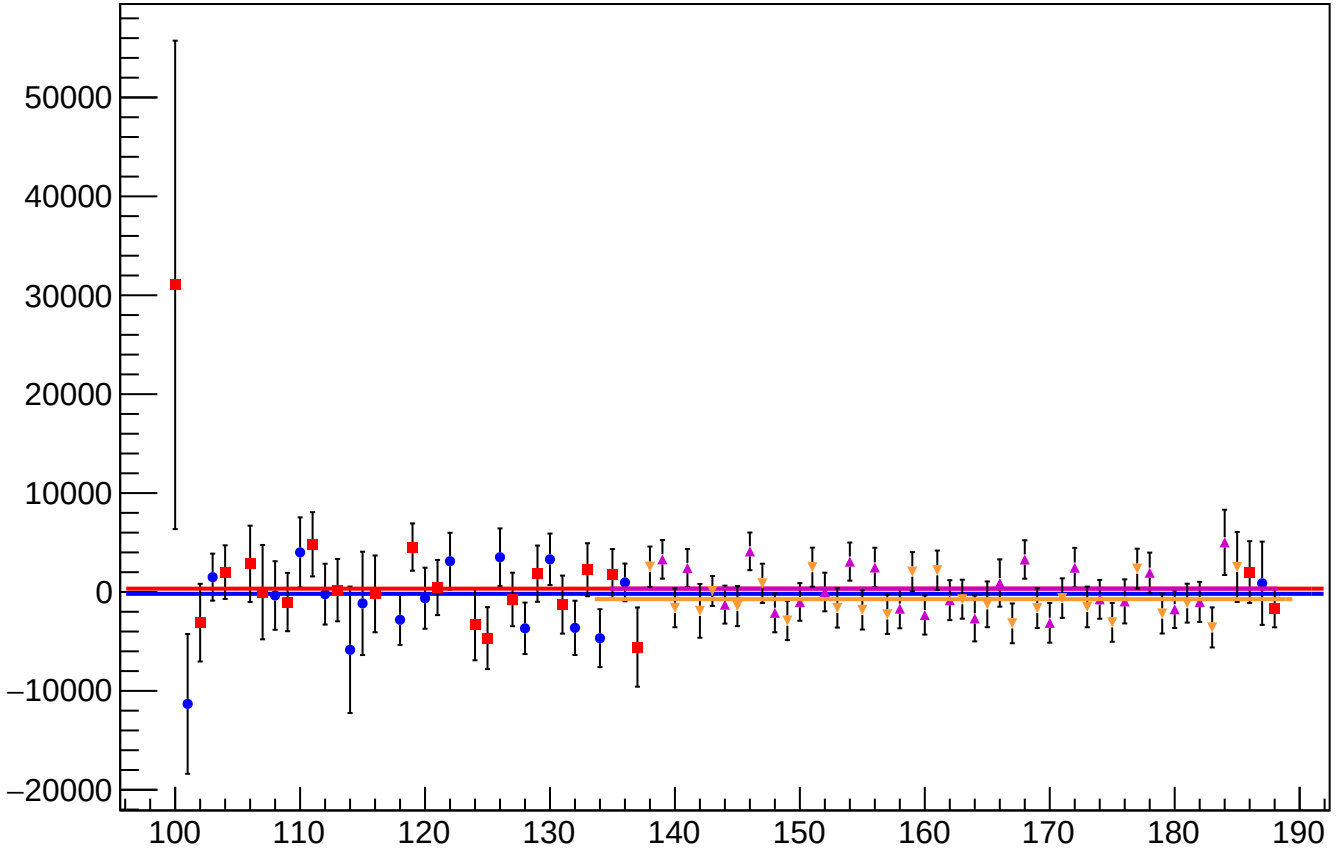
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 453.064+/-0.065 χ^2/NDF: 5266248.4/41

All: 456.616+/-0.047 χ^2/NDF: 11266546.8/85

- sign 460.290+/-0.067 χ^2/NDF: 5994296.1/43

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -187.727+/-724.901 χ^2/NDF: 17.2/16

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 337.603+/-663.785 χ^2/NDF: 17.0/20

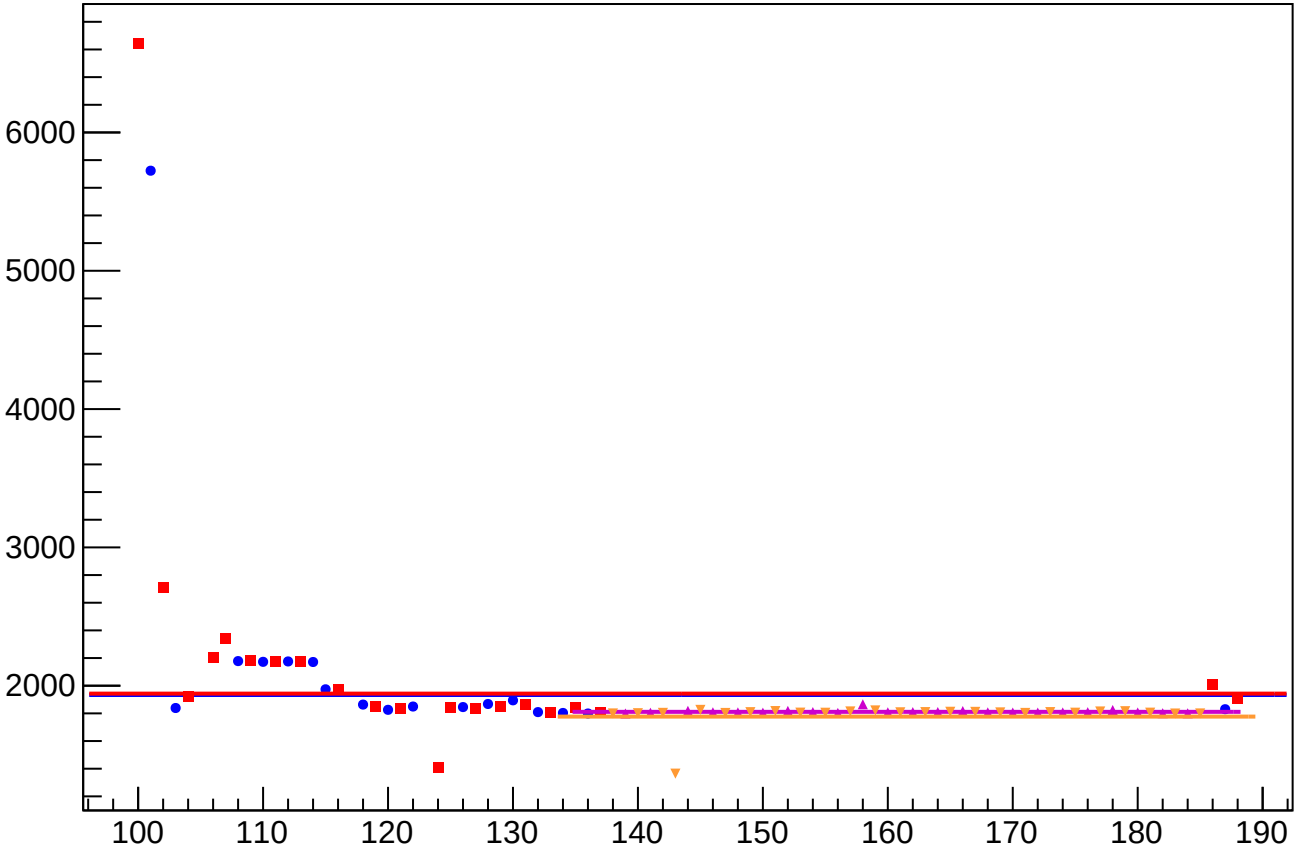
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -597.110+/-353.173 χ^2/NDF: 39.8/41

All: -133.043+/-250.948 χ^2/NDF: 89.9/85

- sign 340.178+/-356.640 χ^2/NDF: 46.6/43

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1932.836+/-0.513 χ^2/NDF: 641035.2/16

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1942.781+/-0.469 χ^2/NDF: 277836.2/20

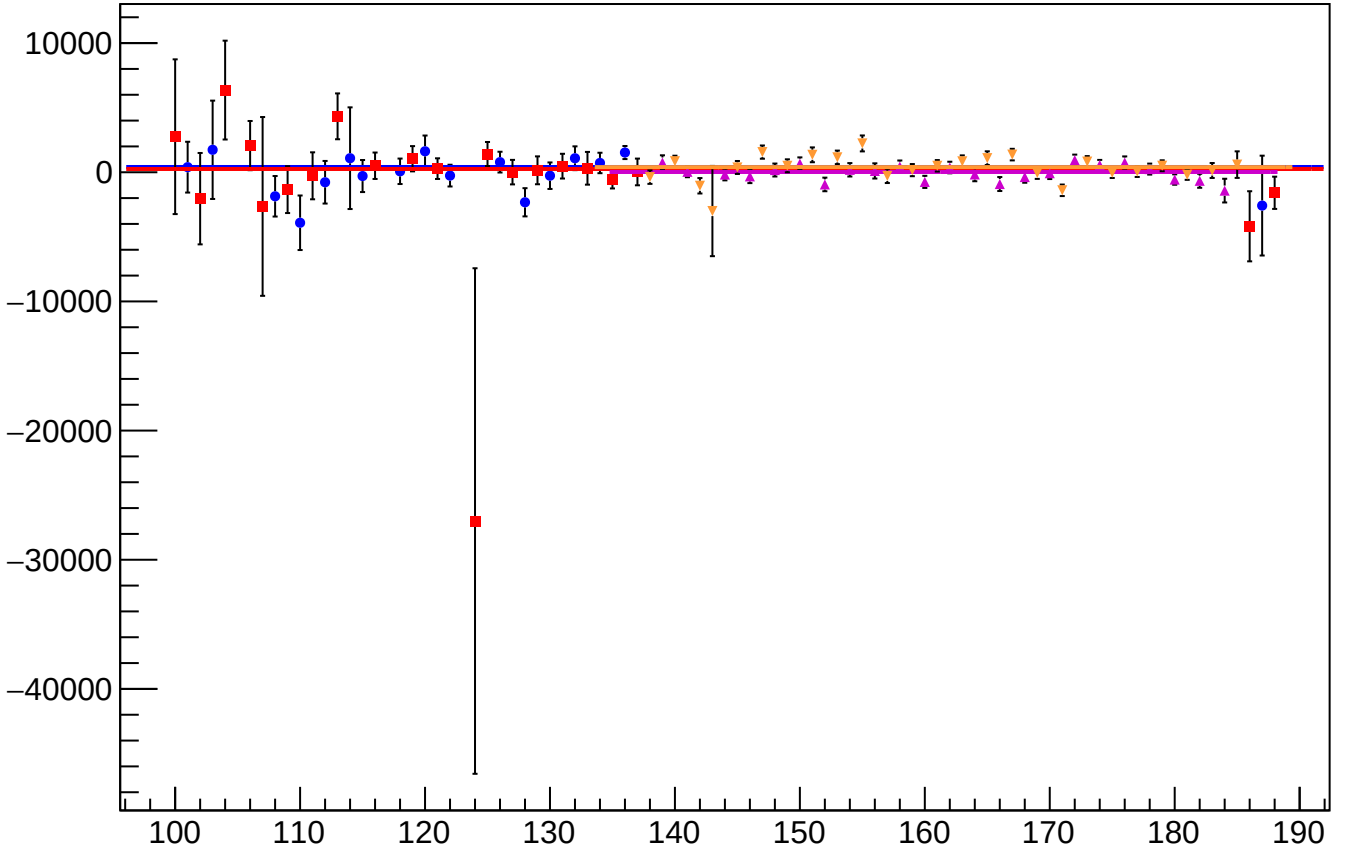
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.777+/-0.250 χ^2/NDF: 873072.0/41

All: 1831.267+/-0.177 χ^2/NDF: 1218780.9/85

- sign 1849.101+/-0.252 χ^2/NDF: 335803.1/43

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 407.954+/-256.185 χ^2/NDF: 22.1/16

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 253.995+/-271.435 χ^2/NDF: 21.0/20

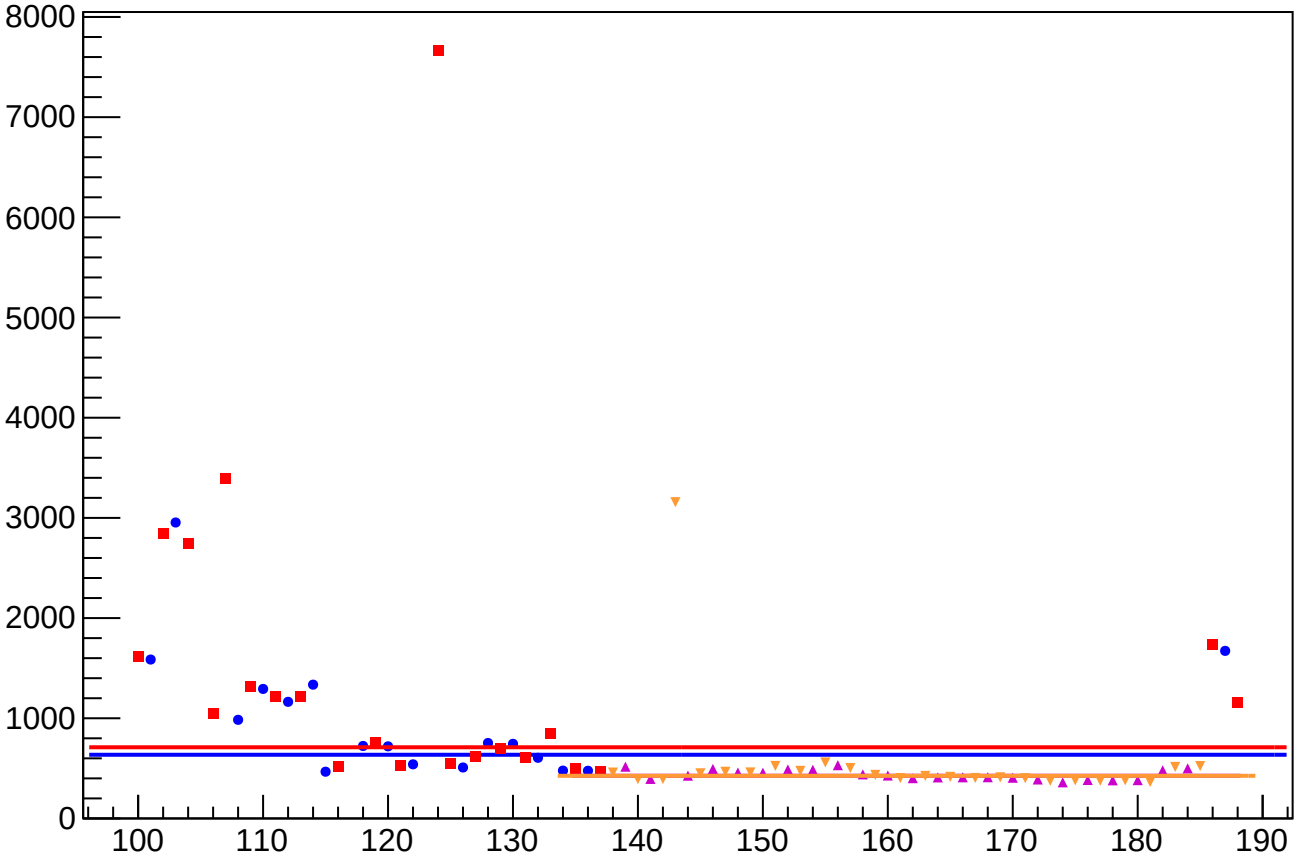
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 399.530+/-92.478 χ^2/NDF: 82.6/41

All: 227.406+/-65.942 χ^2/NDF: 142.1/85

- sign 49.372+/-94.053 χ^2/NDF: 52.5/43

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 635.716+/-0.181 χ^2/NDF: 2379116.0/16

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 710.542+/-0.192 χ^2/NDF: 3646911.3/20

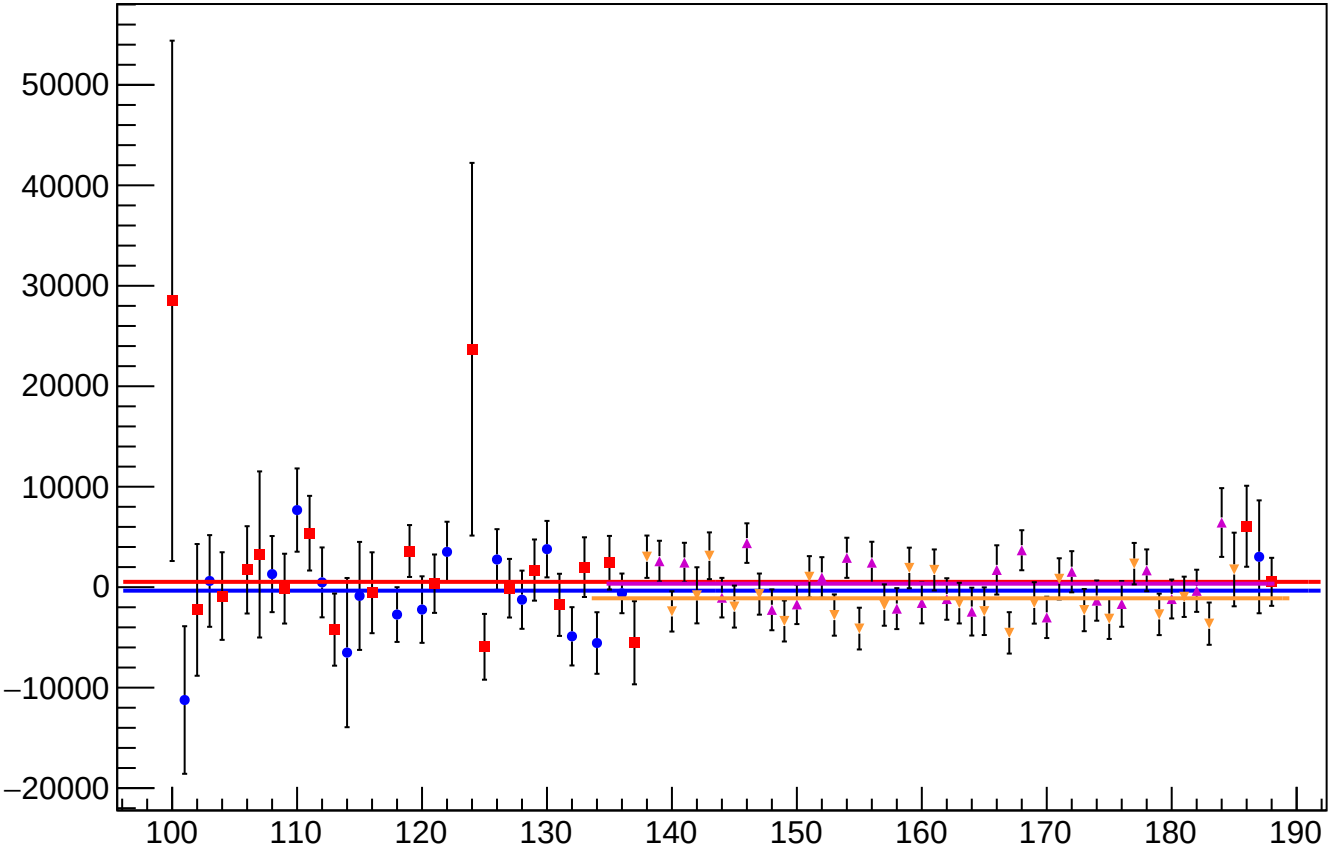
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 453.064+/-0.065 χ^2/NDF: 5266251.6/41

All: 456.616+/-0.047 χ^2/NDF: 11266556.1/85

- sign 460.290+/-0.067 χ^2/NDF: 5994302.1/43

asym_at1_dd_mean vs Slug



Right In: -346.729+/-806.919 χ^2/NDF: 18.7/16

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 530.240+/-770.923 χ^2/NDF: 17.6/20

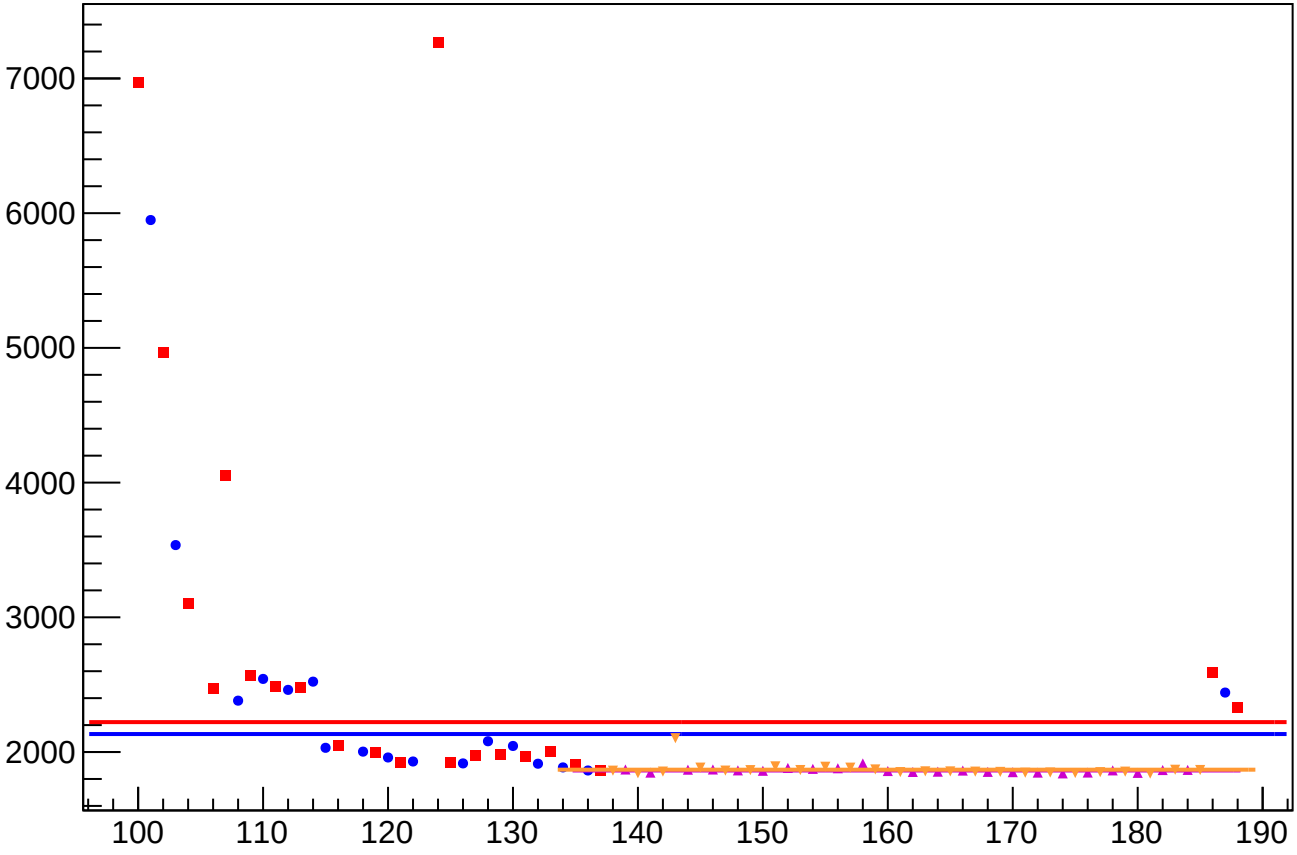
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -941.164+/-375.788 χ^2/NDF: 47.4/41

All: -280.330+/-266.786 χ^2/NDF: 100.1/85

- sign 391.195+/-378.815 χ^2/NDF: 46.4/43

asym_at1_dd_rms vs Slug



Right In: 2133.524+/-0.571 χ^2/NDF: 881208.6/16

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2222.058+/-0.545 χ^2/NDF: 965579.6/20

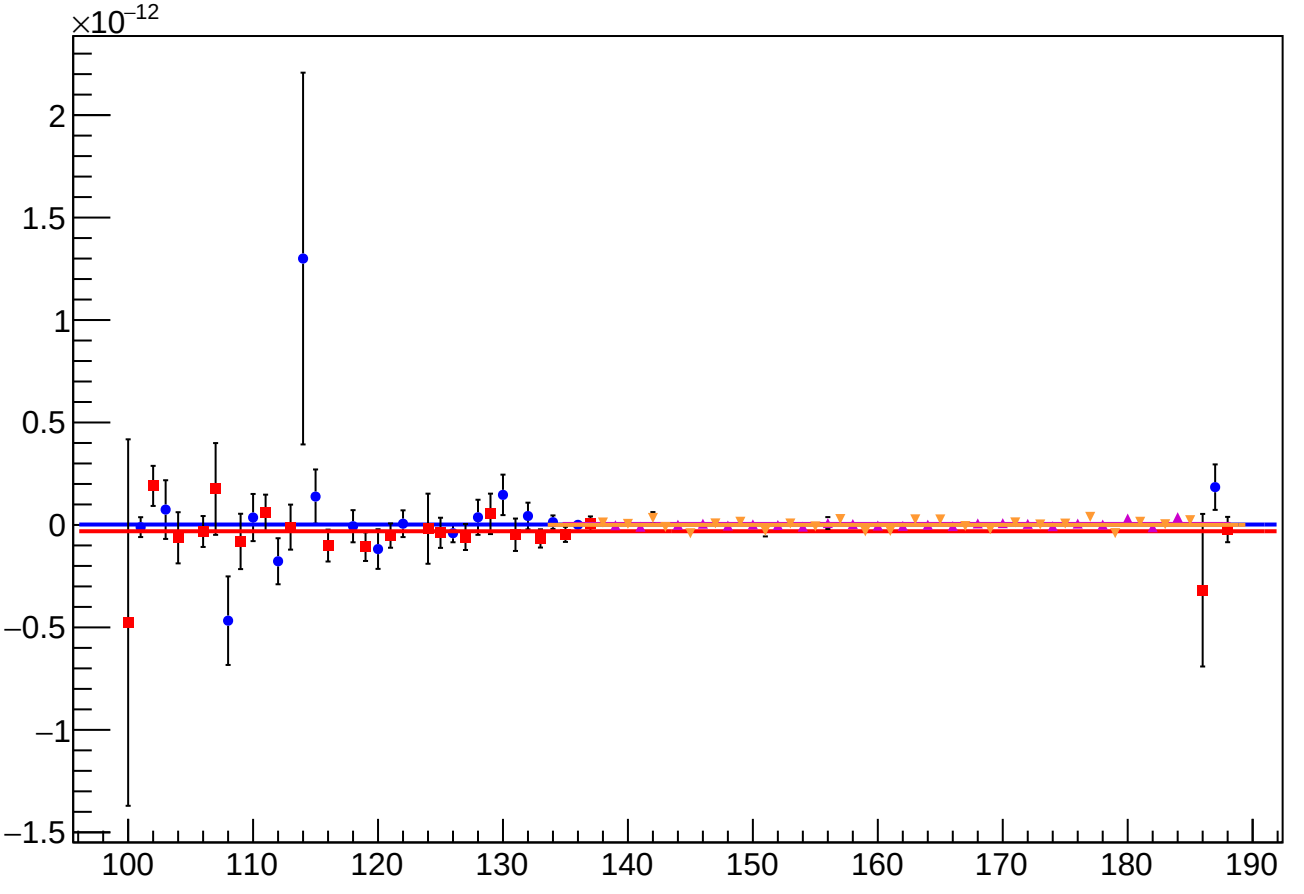
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1926.324+/-0.266 χ^2/NDF: 1072915.3/41

All: 1937.852+/-0.189 χ^2/NDF: 2374414.3/85

- sign 1949.566+/-0.268 χ^2/NDF: 1297704.5/43

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/20

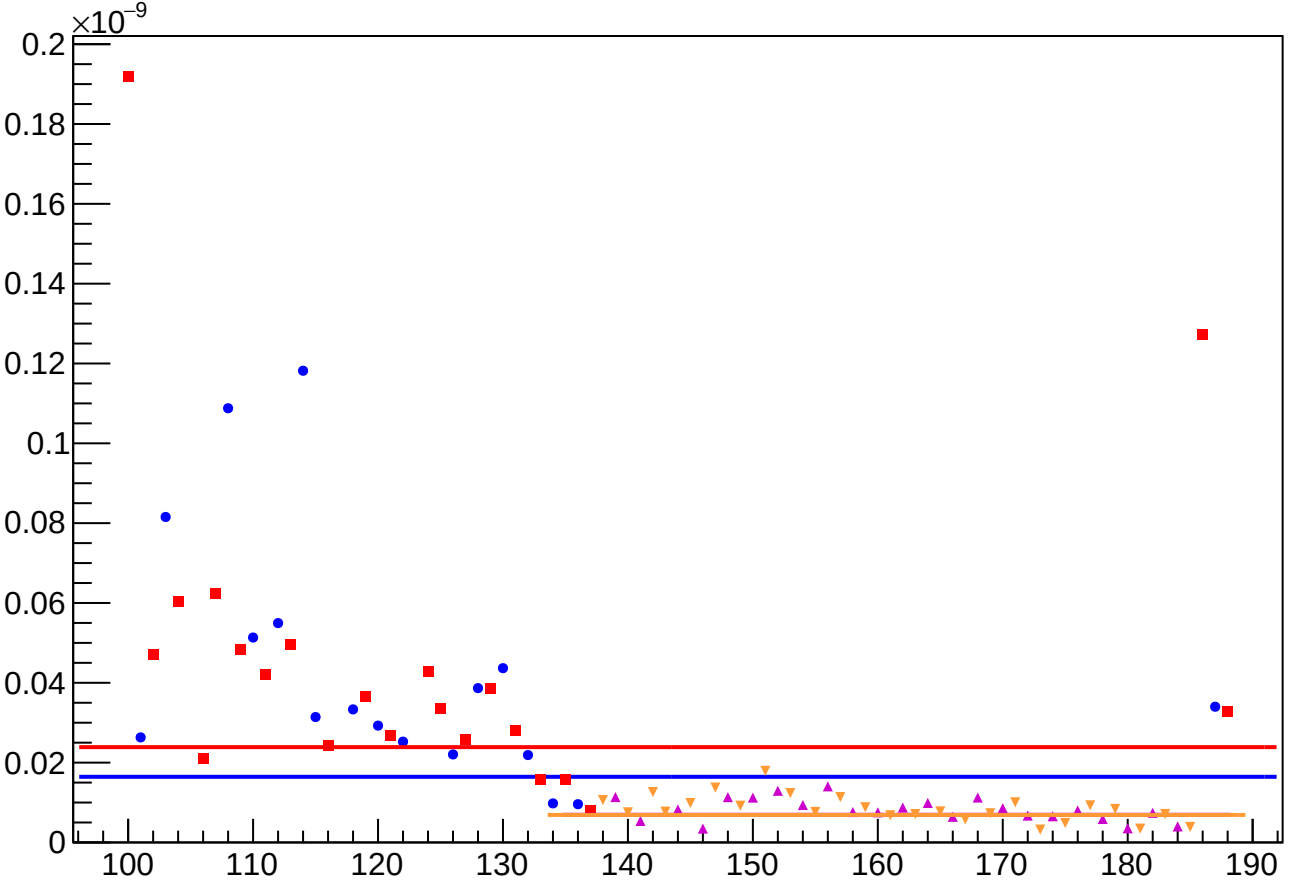
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.9/41

All: 0.000+/-0.000 χ^2/NDF: 97.0/85

- sign 0.000+/-0.000 χ^2/NDF: 35.6/43

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2337282.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1611536.1/20

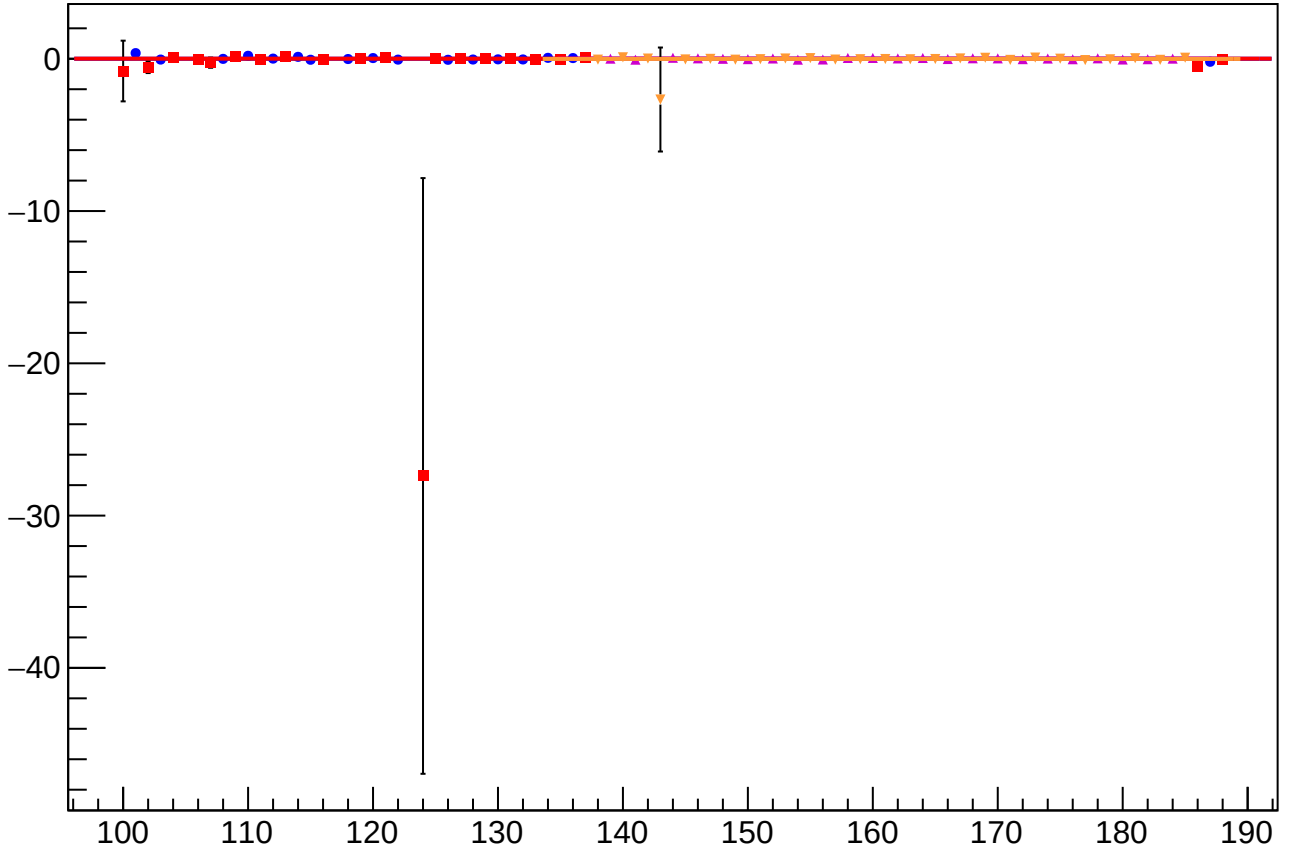
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5416860.4/41

All: 0.000+/-0.000 χ^2/NDF: 10891045.7/85

- sign 0.000+/-0.000 χ^2/NDF: 5472080.3/43

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.007+/-0.014 χ^2/NDF: 20.6/20

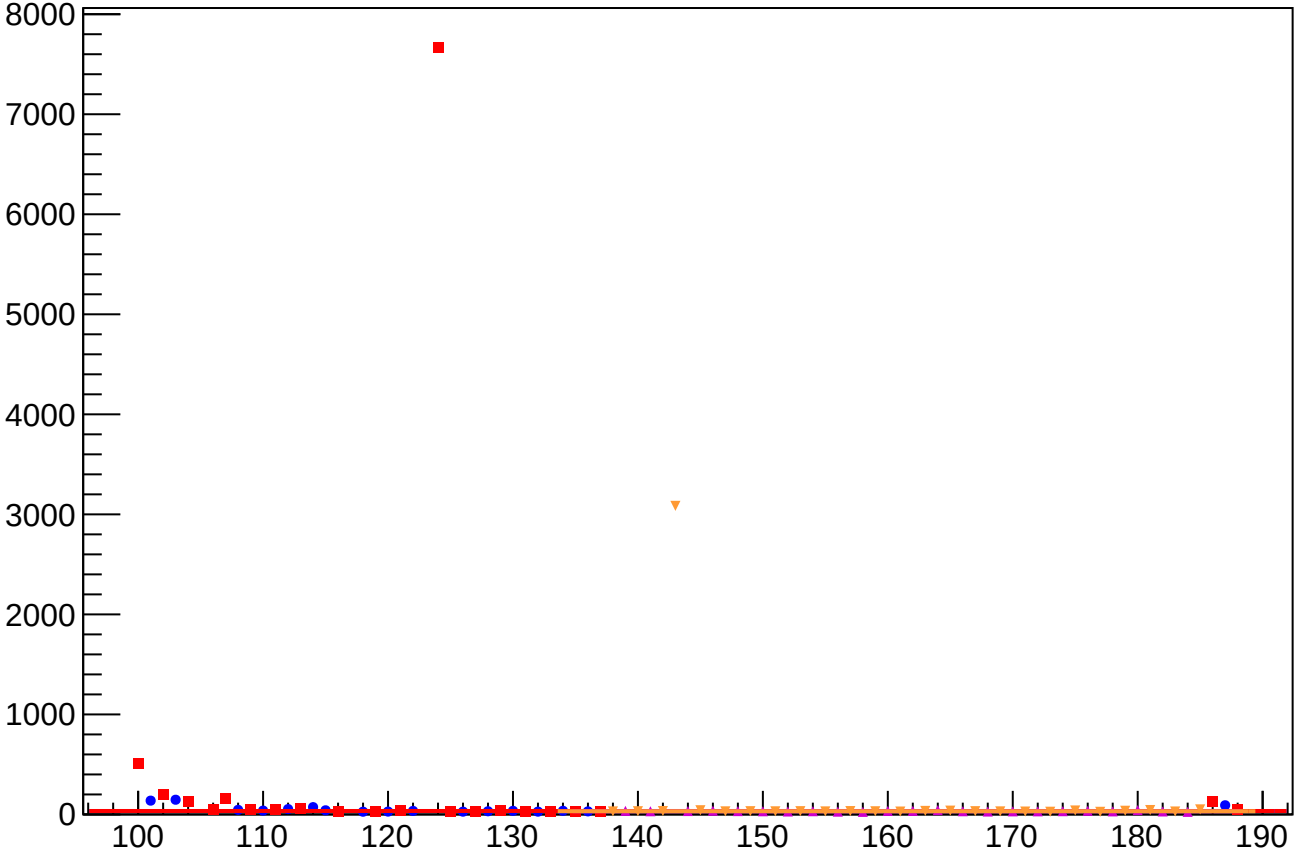
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 61.8/41

All: -0.001+/-0.005 χ^2/NDF: 104.6/85

- sign 0.004+/-0.007 χ^2/NDF: 41.5/43

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.326+/-0.010 χ^2/NDF: 1861190.0/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

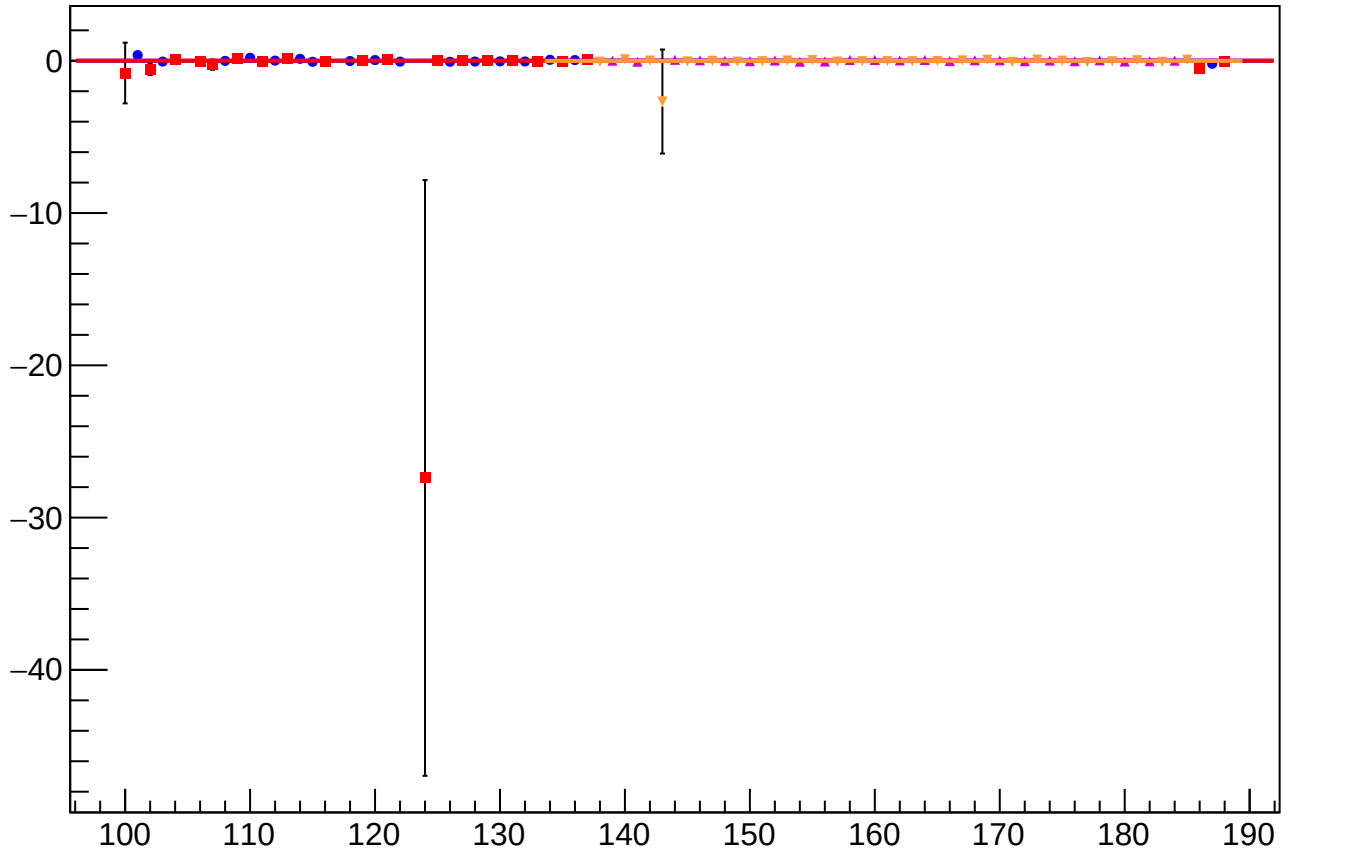
Right Out: 34.656+/-0.010 χ^2/NDF: 2685392.4/20

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 32.765+/-0.005 χ^2/NDF: 4011637.3/41

All: 32.873+/-0.004 χ^2/NDF: 7160419.1/85

- sign 32.981+/-0.005 χ^2/NDF: 3147880.9/43



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.007+/-0.014 χ^2/NDF: 20.6/20

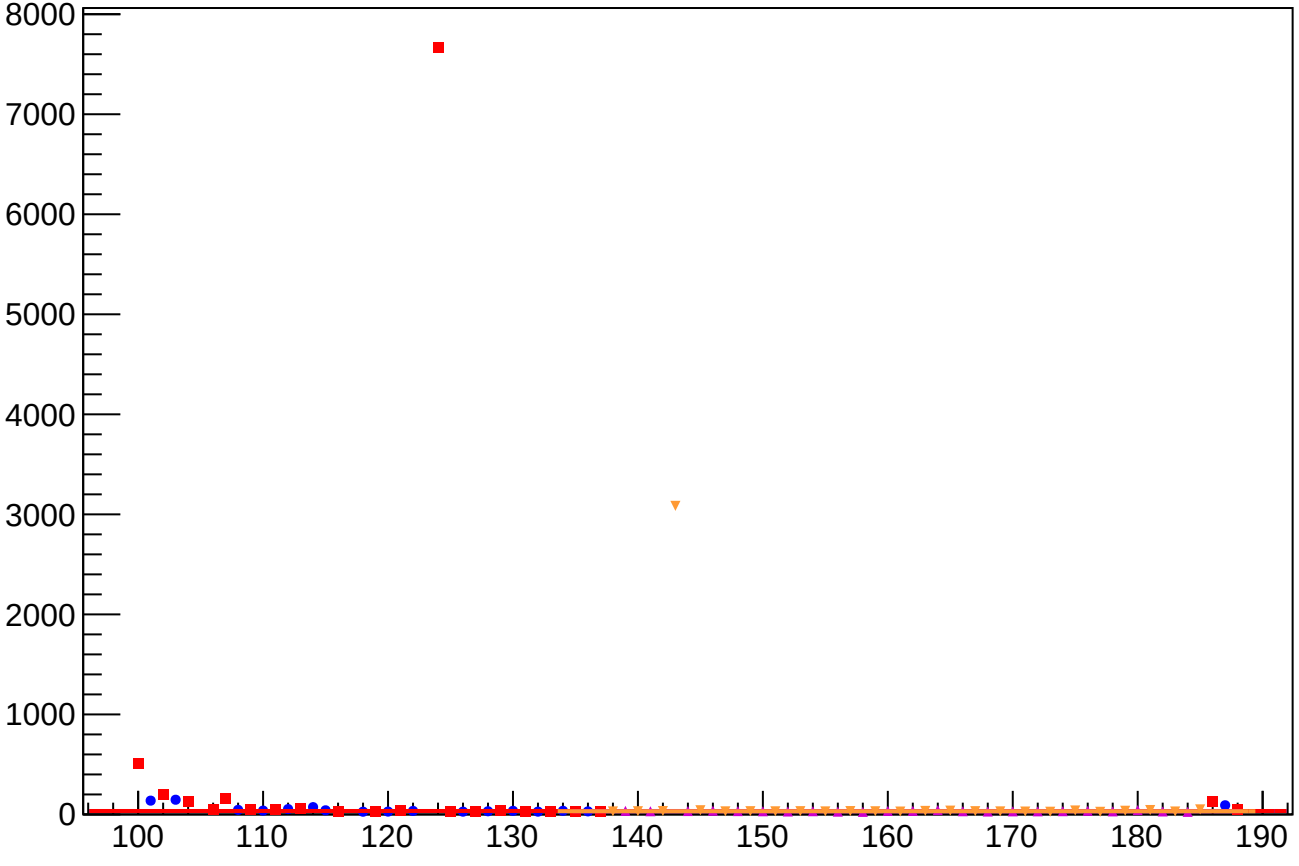
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 61.8/41

All: -0.001+/-0.005 χ^2/NDF: 104.6/85

\- sign 0.004+/-0.007 χ^2/NDF: 41.5/43

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.326+/-0.010 χ^2/NDF: 1861190.0/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

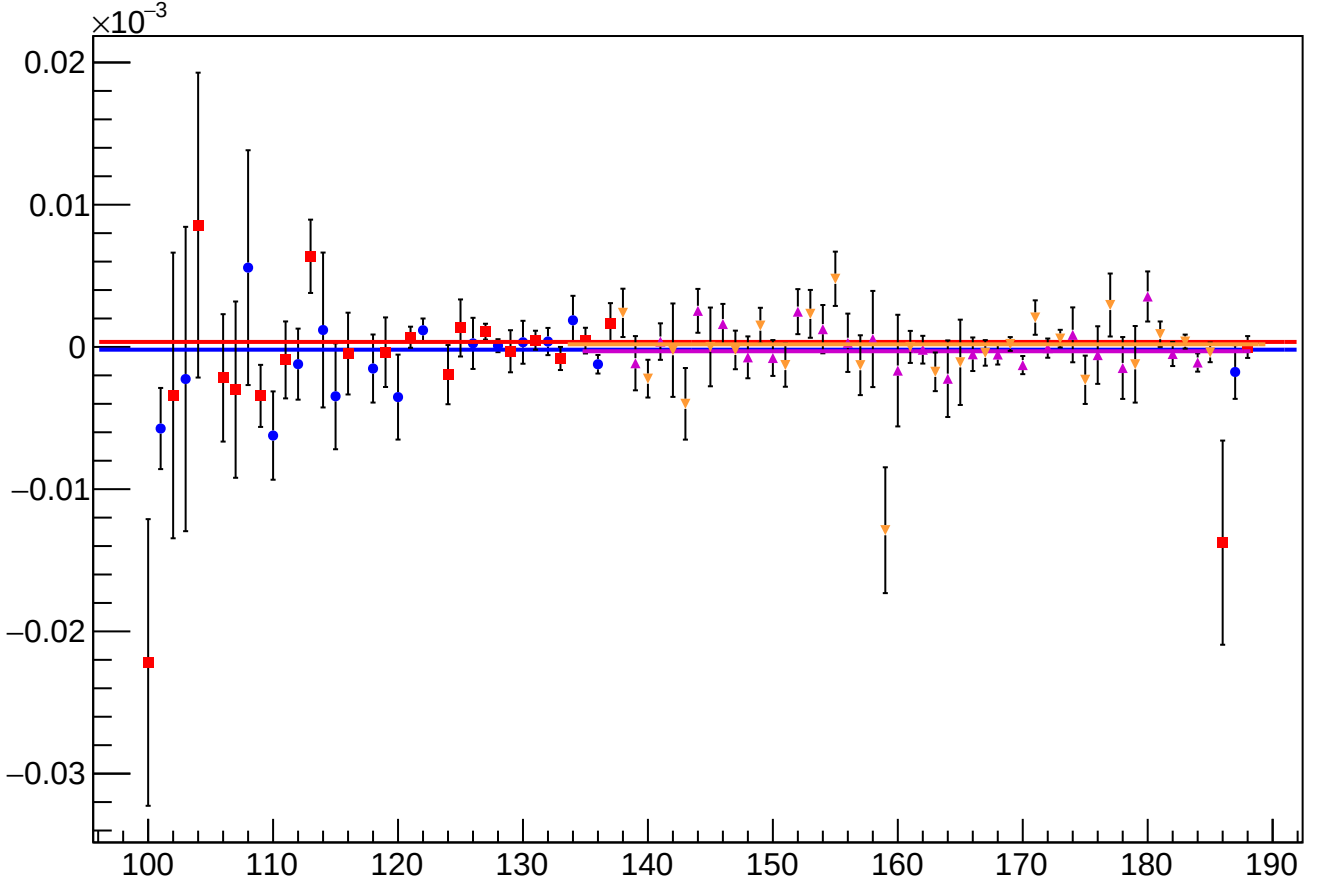
Right Out: 34.656+/-0.010 χ^2/NDF: 2685392.4/20

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 32.765+/-0.005 χ^2/NDF: 4011637.3/41

All: 32.873+/-0.004 χ^2/NDF: 7160419.1/85

- sign 32.981+/-0.005 χ^2/NDF: 3147880.9/43



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/20

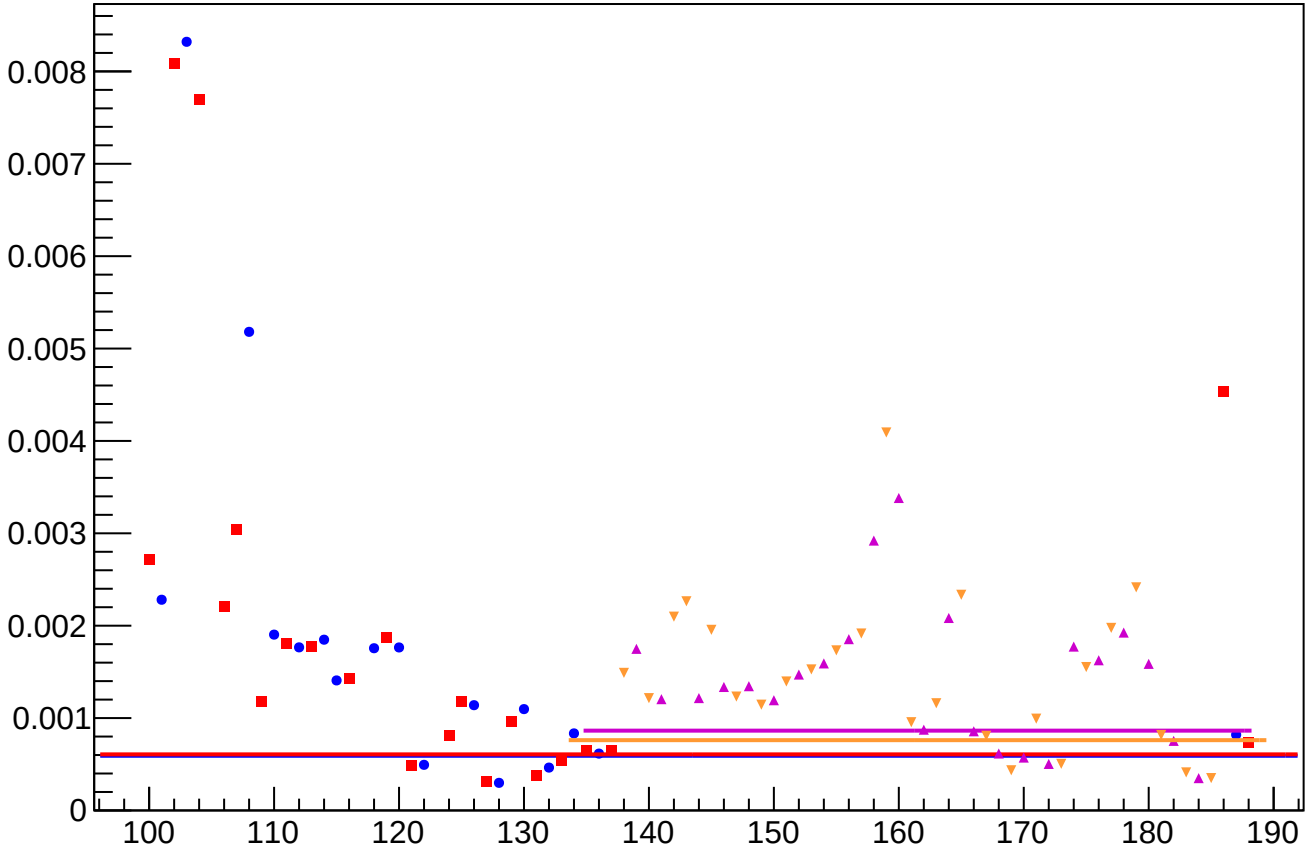
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.5/41

All: 0.000+/-0.000 χ^2/NDF: 106.9/85

- sign -0.000+/-0.000 χ^2/NDF: 49.3/43

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5515651.2/16

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

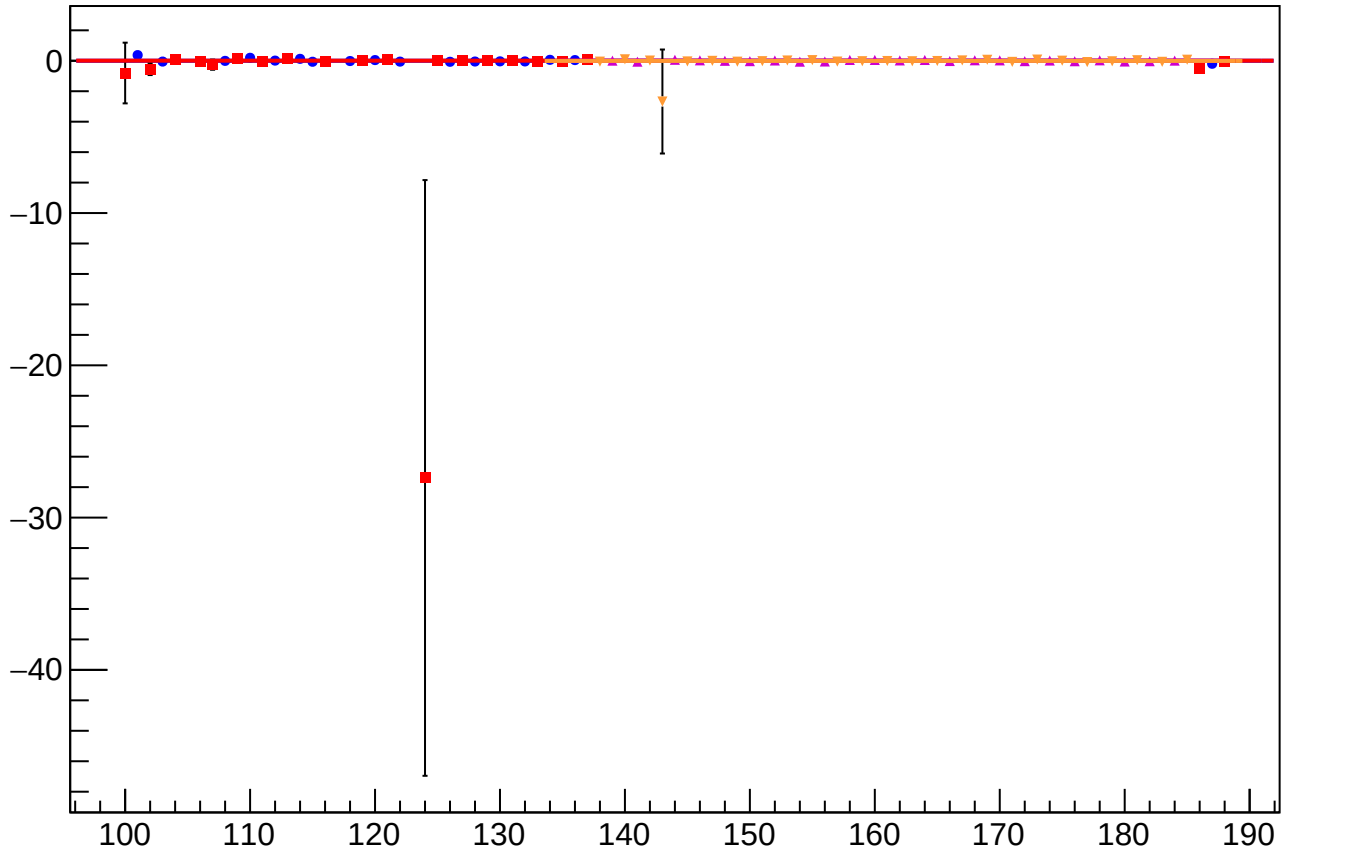
Right Out: 0.001+/-0.000 χ^2/NDF: 6099736.2/20

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 17041593.0/41

All: 0.001+/-0.000 χ^2/NDF: 32681480.5/85

- sign 0.001+/-0.000 χ^2/NDF: 15566433.7/43



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.007+/-0.014 χ^2/NDF: 20.6/20

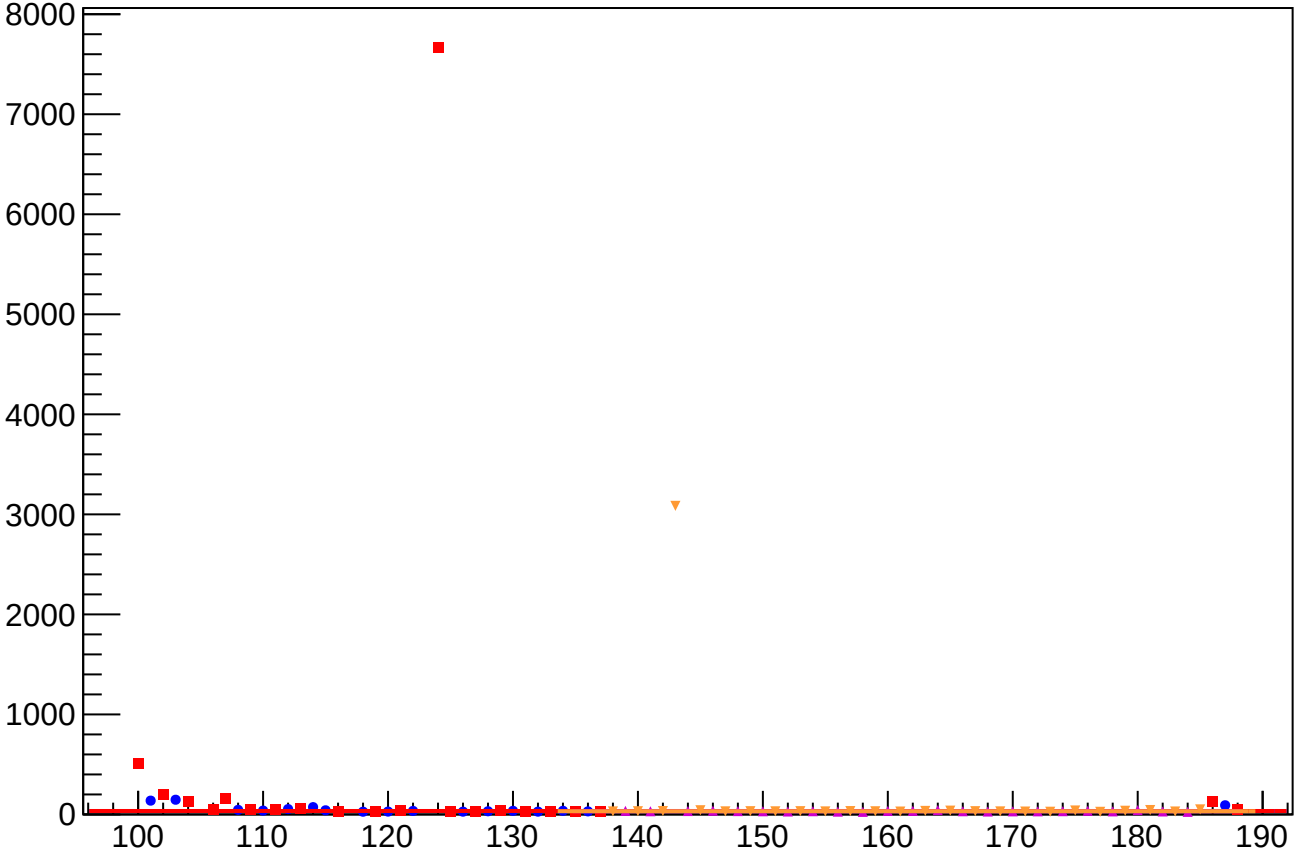
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 61.8/41

All: -0.001+/-0.005 χ^2/NDF: 104.6/85

- sign 0.004+/-0.007 χ^2/NDF: 41.5/43

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.326+/-0.010 χ^2/NDF: 1861178.1/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

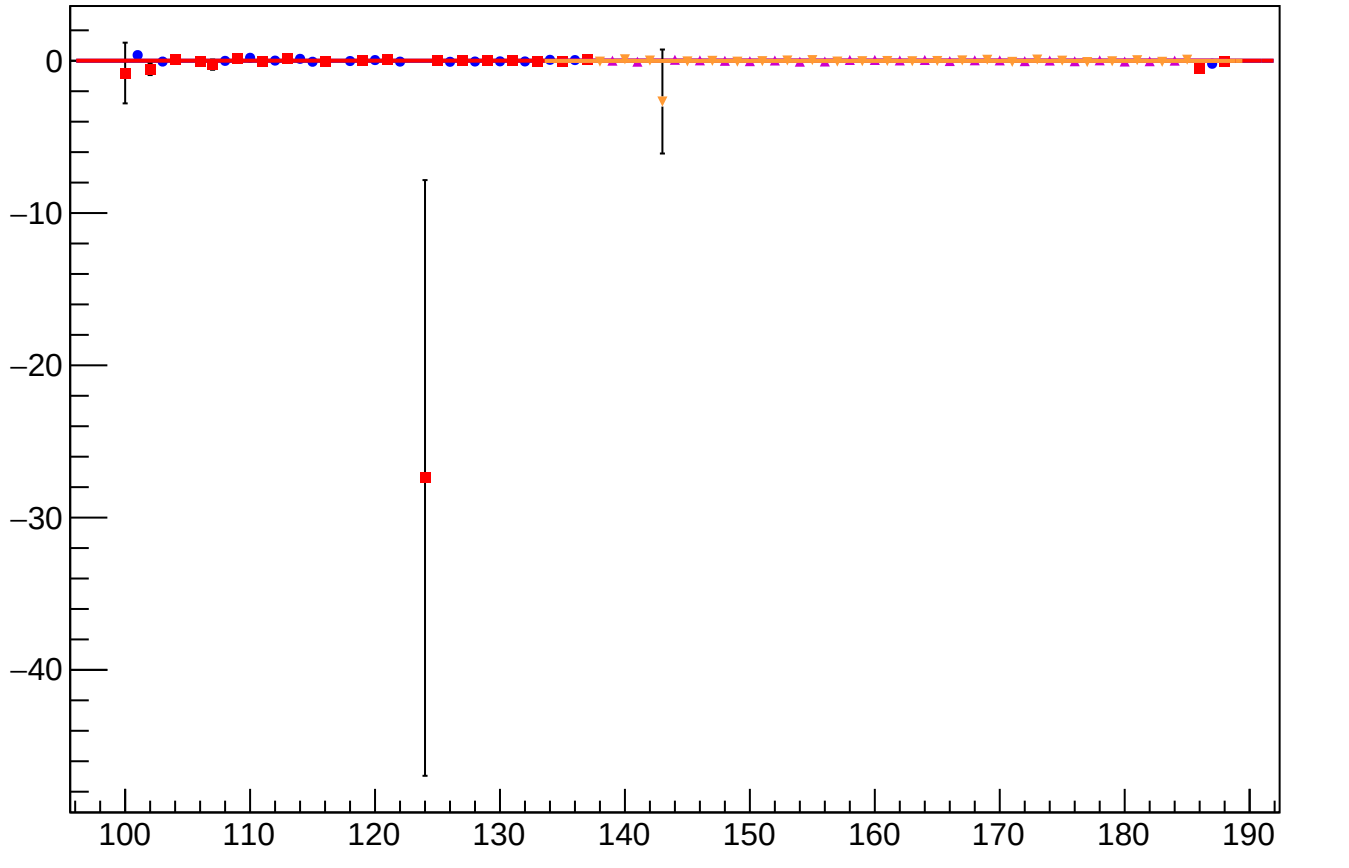
Right Out: 34.656+/-0.010 χ^2/NDF: 2685380.7/20

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 32.765+/-0.005 χ^2/NDF: 4011670.8/41

All: 32.873+/-0.004 χ^2/NDF: 7160347.9/85

- sign 32.981+/-0.005 χ^2/NDF: 3147774.5/43



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

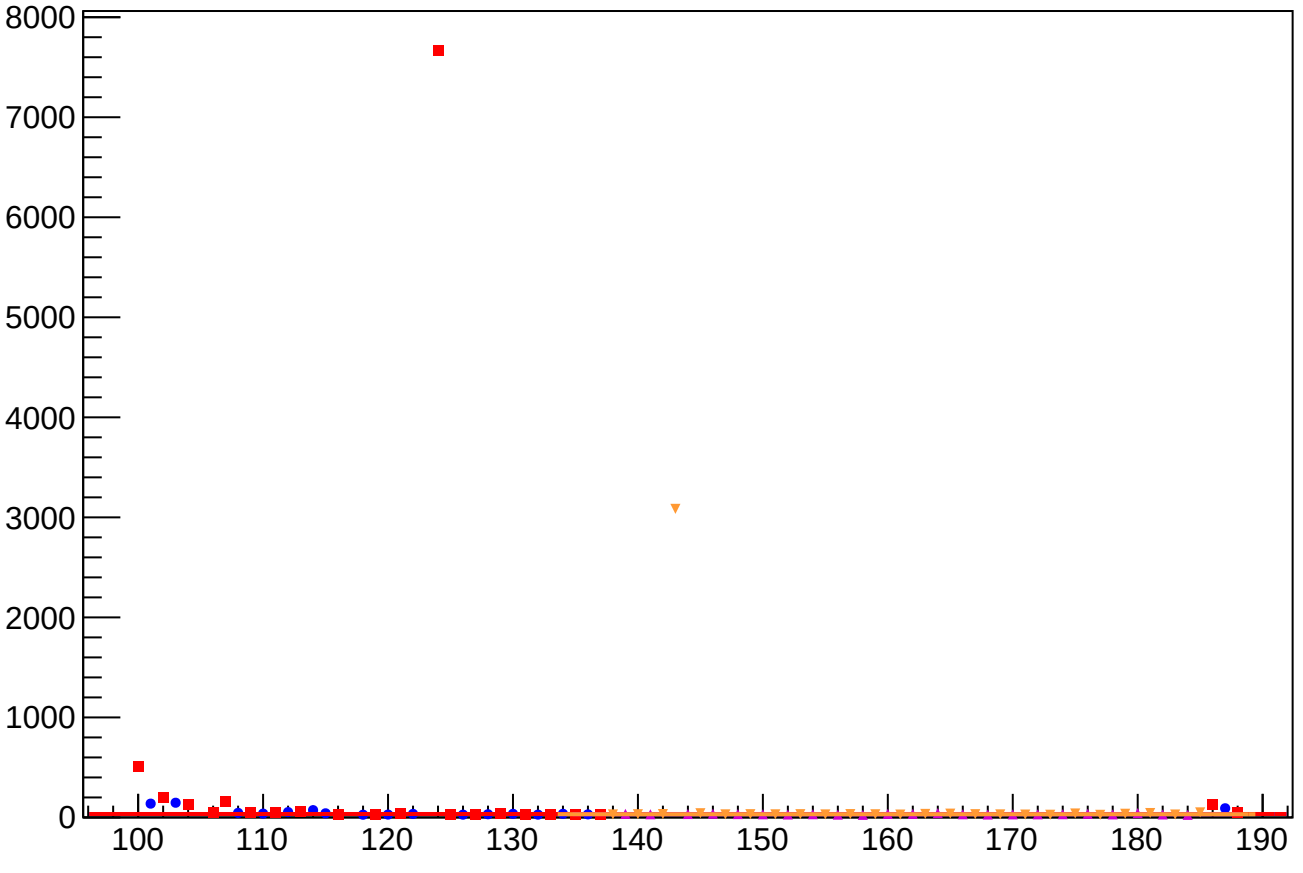
Right Out: 0.007+/-0.014 χ^2/NDF: 20.6/20

Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 61.8/41

All: -0.001+/-0.005 χ^2/NDF: 104.6/85

\- sign 0.004+/-0.007 χ^2/NDF: 41.5/43



Right In: 34.326+/-0.010 χ^2/NDF: 1861178.1/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 34.656+/-0.010 χ^2/NDF: 2685380.7/20

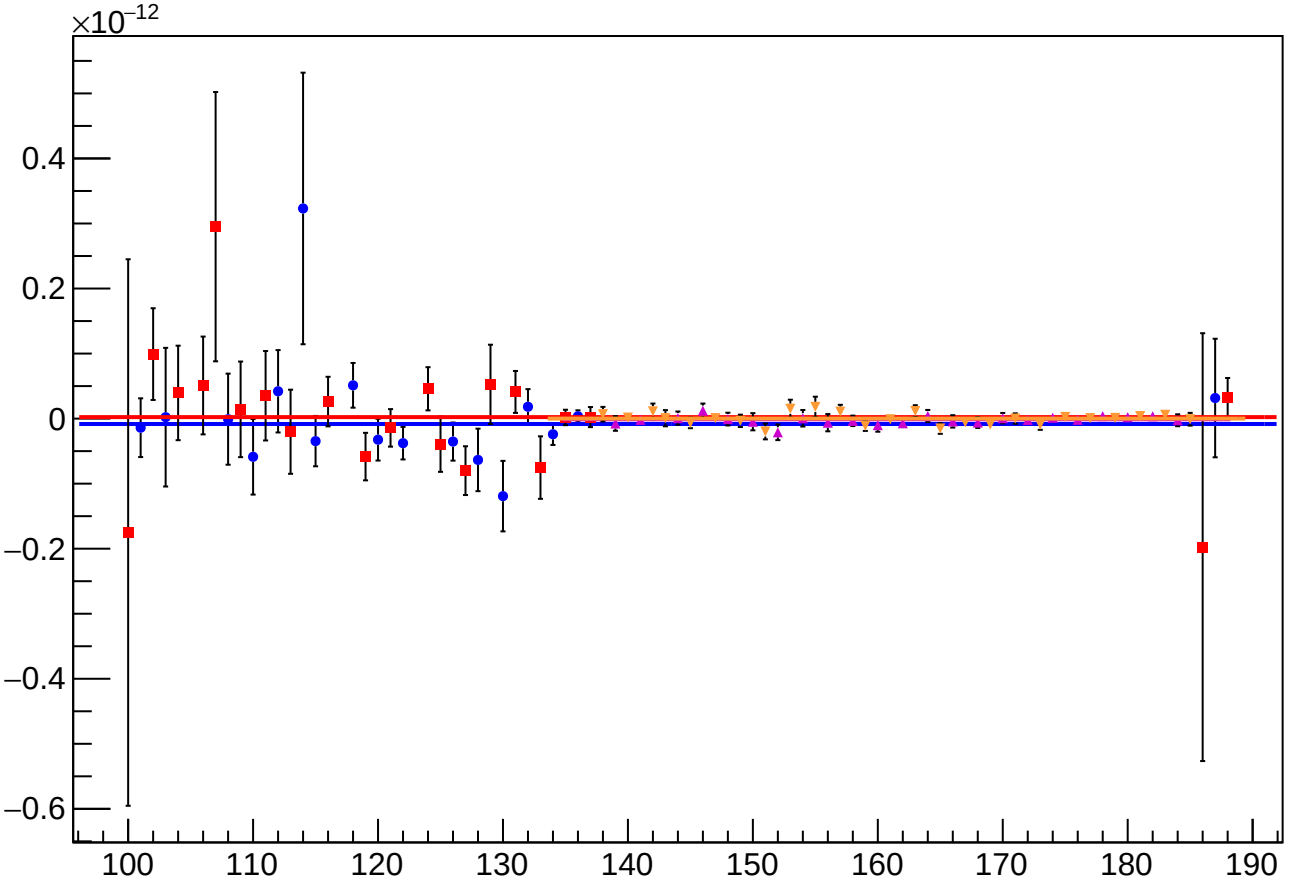
Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 32.765+/-0.005 χ^2/NDF: 4011670.8/41

All: 32.873+/-0.004 χ^2/NDF: 7160347.9/85

- sign 32.981+/-0.005 χ^2/NDF: 3147774.5/43

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

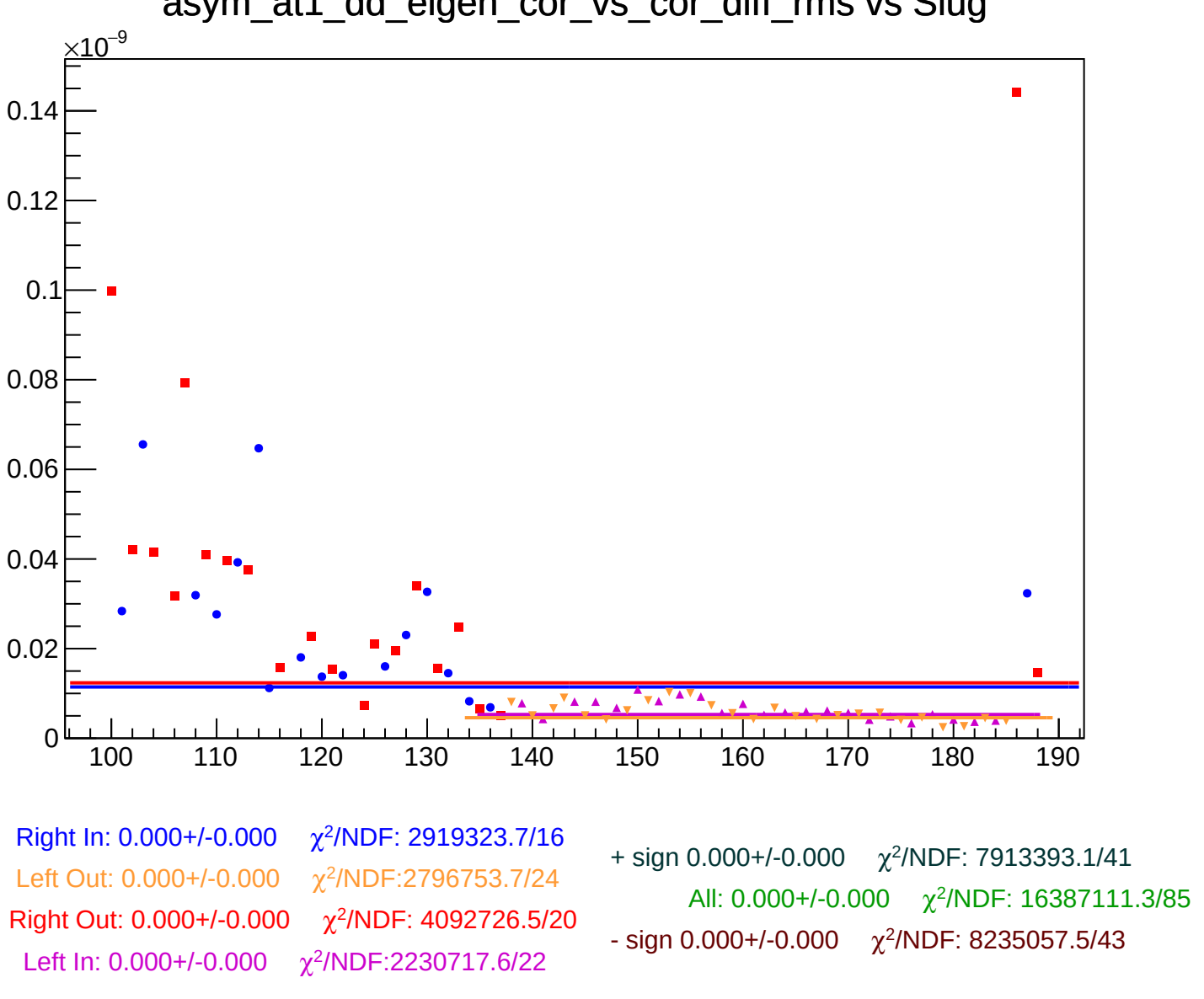
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/20

Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

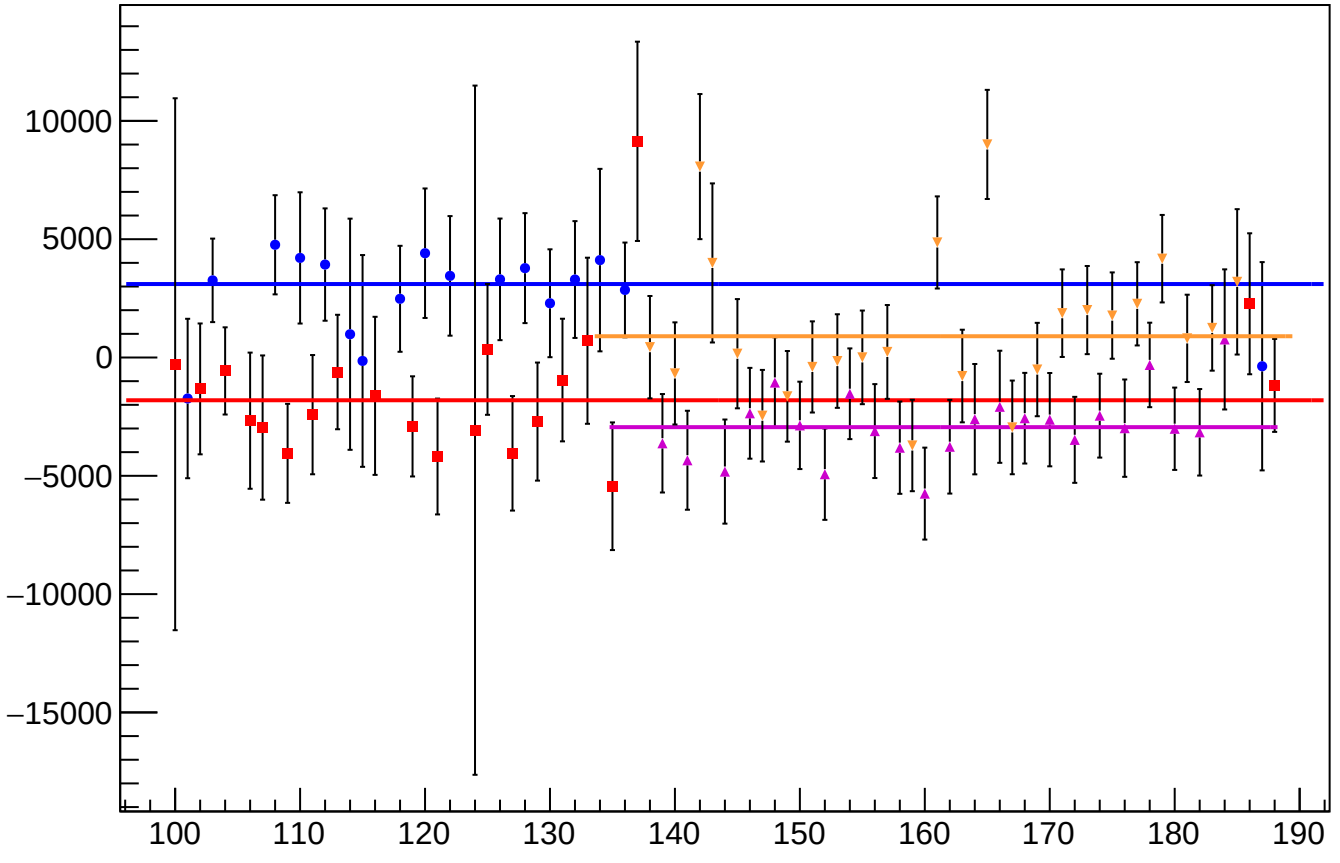
+ sign -0.000+/-0.000 χ^2/NDF: 42.2/41

All: -0.000+/-0.000 χ^2/NDF: 73.9/85

- sign -0.000+/-0.000 χ^2/NDF: 31.6/43


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2919323.7/16
Left Out: 0.000+/-0.000 χ²/NDF:2796753.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 4092726.5/20
Left In: 0.000+/-0.000 χ²/NDF:2230717.6/22
+ sign 0.000+/-0.000 χ²/NDF: 7913393.1/41
All: 0.000+/-0.000 χ²/NDF: 16387111.3/85
- sign 0.000+/-0.000 χ²/NDF: 8235057.5/43

reg_asym_at2_avg_mean vs Slug



Right In: 3104.864+/-621.695 χ^2/NDF: 4.9/16

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1807.014+/-581.167 χ^2/NDF: 16.2/20

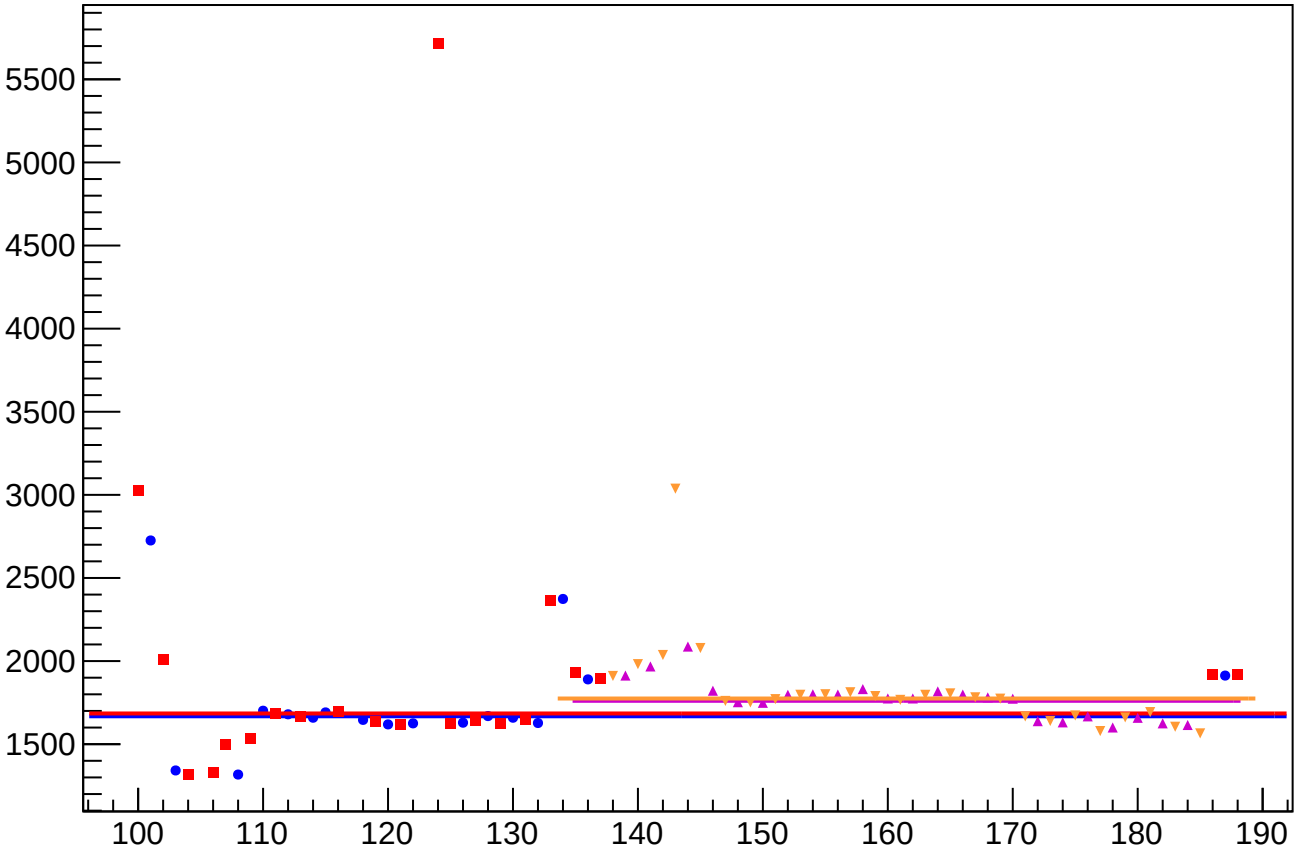
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1557.392+/-339.663 χ^2/NDF: 59.0/41

All: -524.318+/-238.925 χ^2/NDF: 162.7/85

- sign -2563.150+/-336.147 χ^2/NDF: 29.3/43

reg_asym_at2_avg_rms vs Slug



Right In: 1667.887+/-0.440 χ^2/NDF: 421946.9/16

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1684.768+/-0.411 χ^2/NDF: 478089.2/20

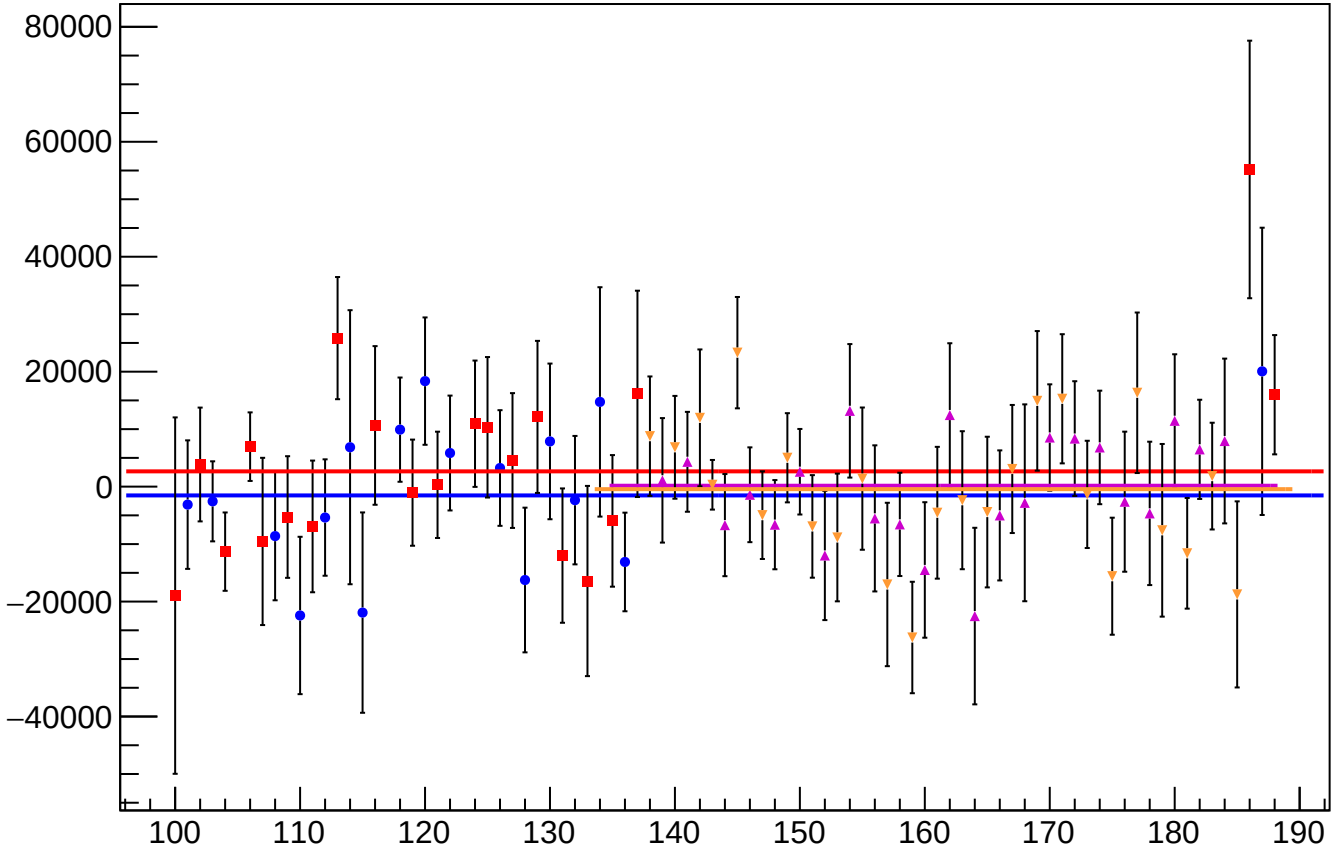
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1742.838+/-0.240 χ^2/NDF: 910281.3/41

All: 1739.159+/-0.169 χ^2/NDF: 1558054.4/85

- sign 1735.556+/-0.238 χ^2/NDF: 647308.6/43

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1530.839+/-2727.231 χ^2/NDF: 15.1/16

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 2655.494+/-2352.968 χ^2/NDF: 25.2/20

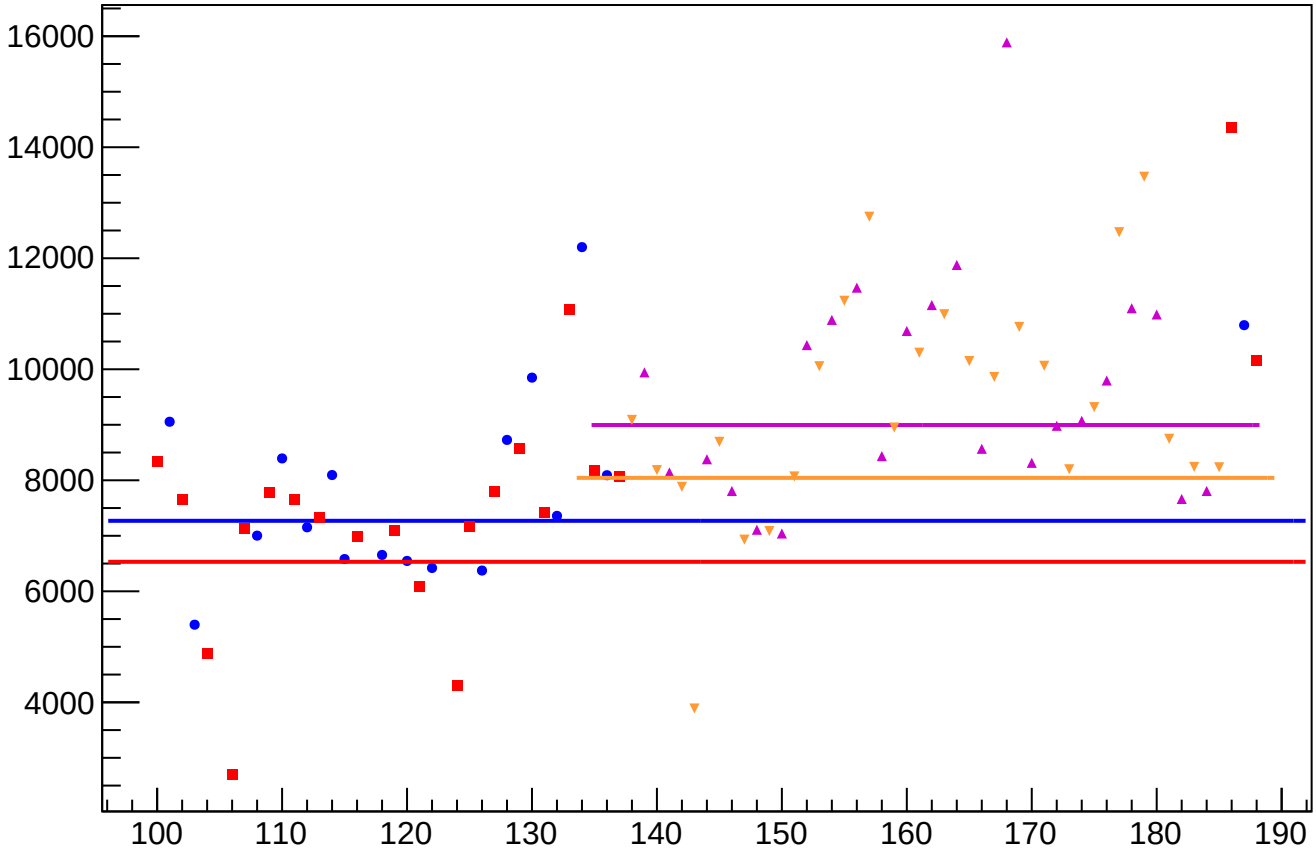
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -805.132+/-1573.021 χ^2/NDF: 44.7/41

All: 234.352+/-1116.354 χ^2/NDF: 85.1/85

- sign 1289.154+/-1584.568 χ^2/NDF: 39.6/43

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7270.069+/-1.928 χ^2/NDF: 543519.1/16

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

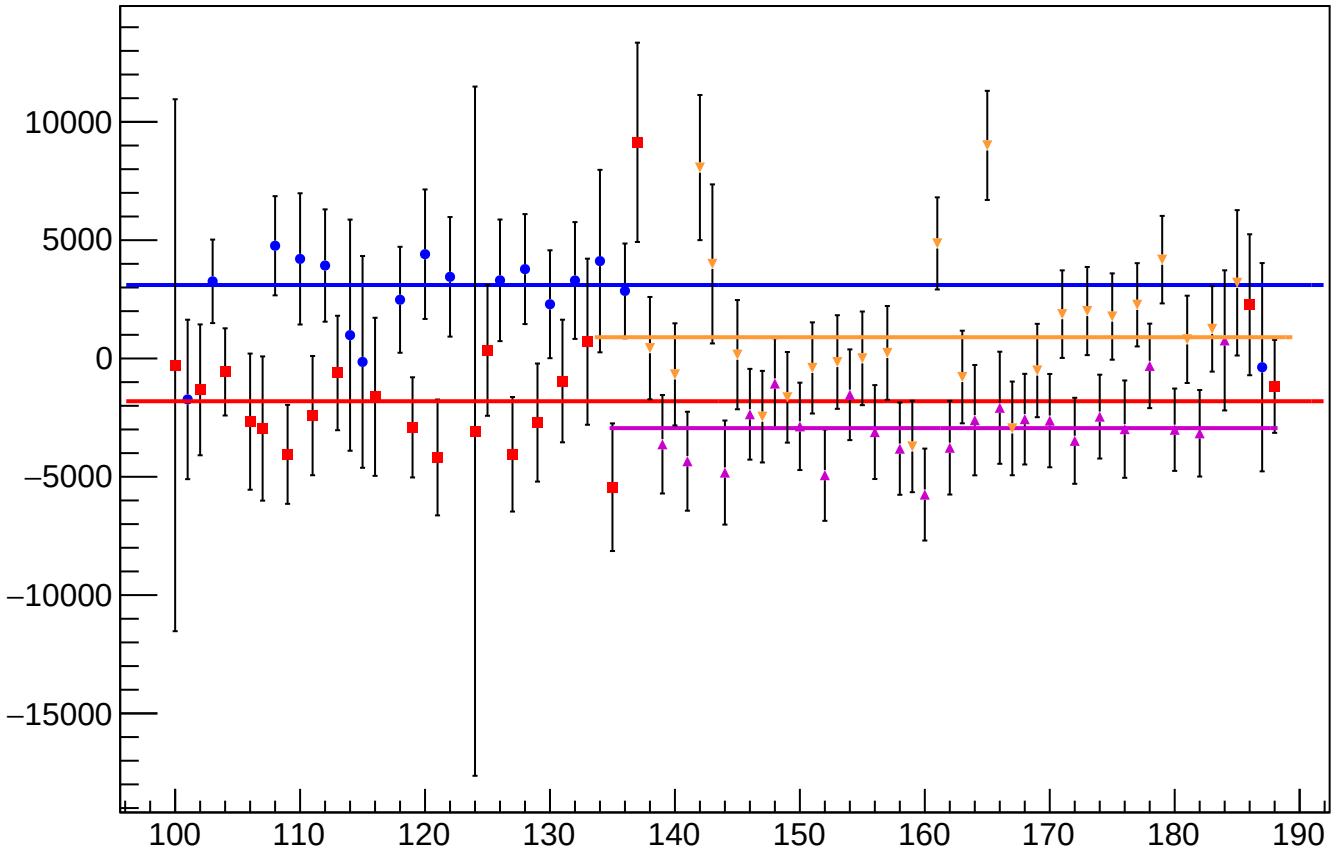
Right Out: 6531.335+/-1.664 χ^2/NDF: 1915272.0/20

Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 7786.419+/-1.112 χ^2/NDF: 4013790.8/41

All: 7831.893+/-0.789 χ^2/NDF: 8338404.7/85

- sign 7878.037+/-1.120 χ^2/NDF: 4321246.4/43



Right In: 3104.959+/-621.695 χ^2/NDF: 4.9/16

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1806.828+/-581.167 χ^2/NDF: 16.2/20

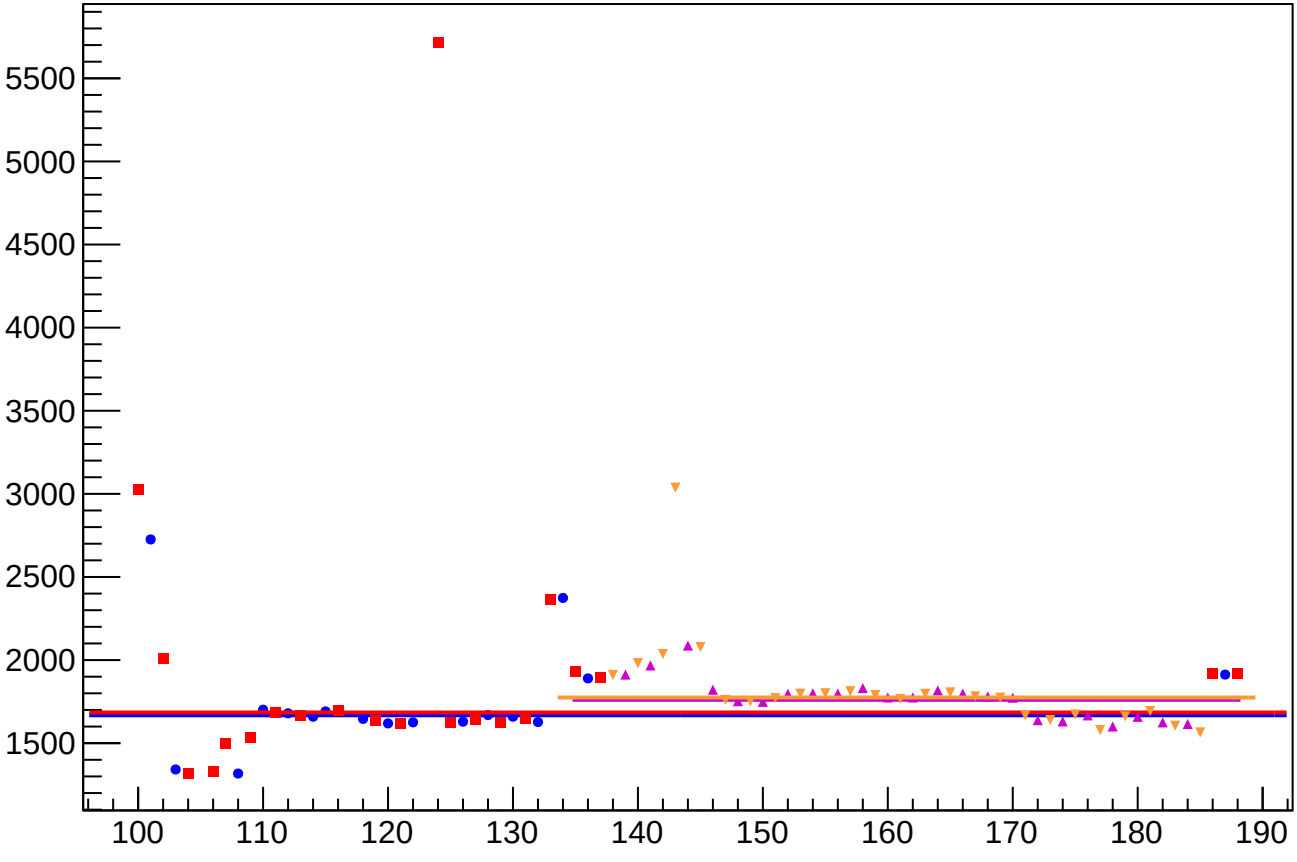
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1557.365+/-339.663 χ^2/NDF: 59.0/41

All: -524.263+/-238.925 χ^2/NDF: 162.7/85

- sign -2563.013+/-336.147 χ^2/NDF: 29.3/43

cor_asym_at2_avg_rms vs Slug



Right In: 1667.886+/-0.440 χ^2/NDF: 421947.2/16

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1684.767+/-0.411 χ^2/NDF: 478089.3/20

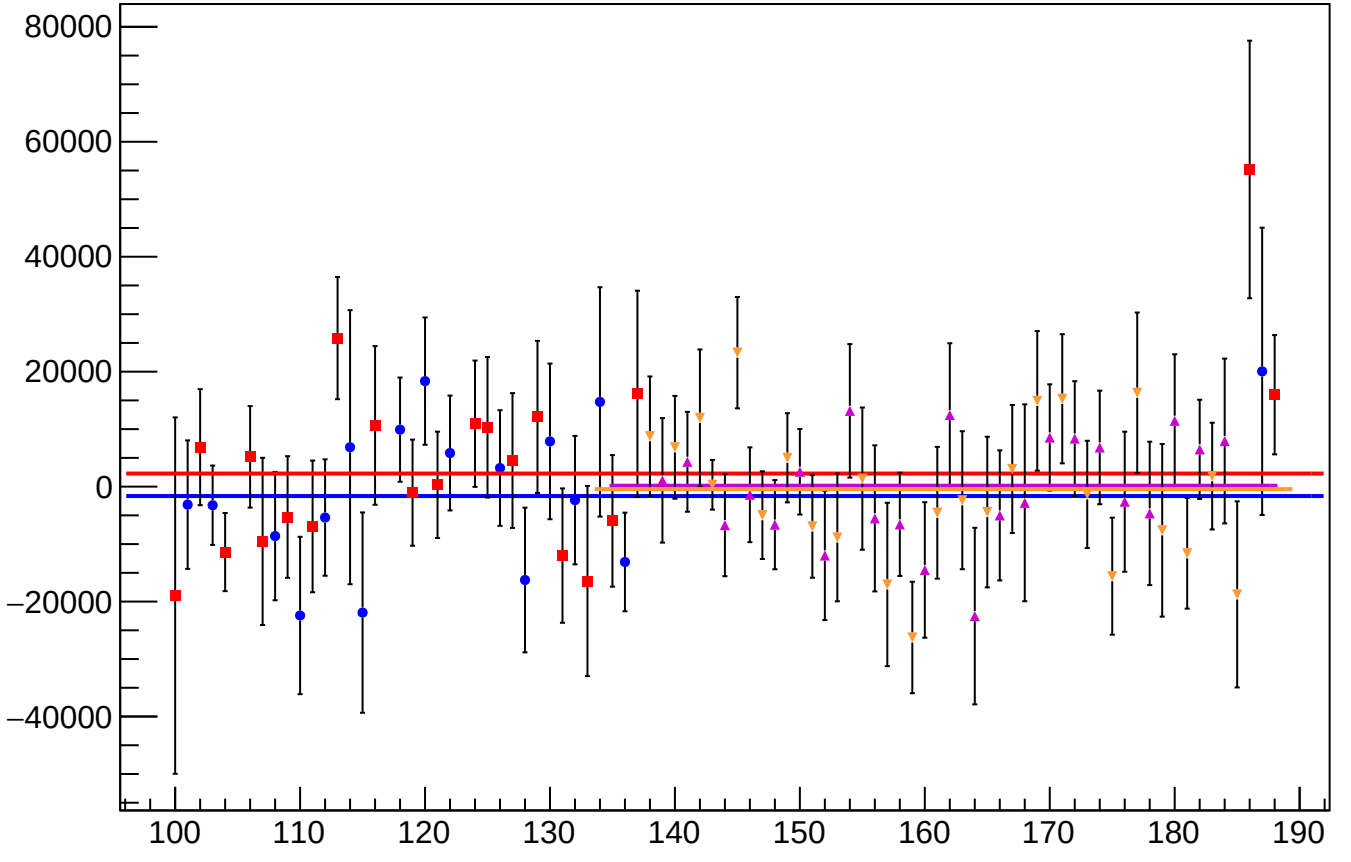
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1742.838+/-0.240 χ^2/NDF: 910281.8/41

All: 1739.159+/-0.169 χ^2/NDF: 1558055.0/85

- sign 1735.556+/-0.238 χ^2/NDF: 647308.8/43

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1639.332+/-2723.633 χ^2/NDF: 15.1/16

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 2275.947+/-2461.287 χ^2/NDF: 25.0/20

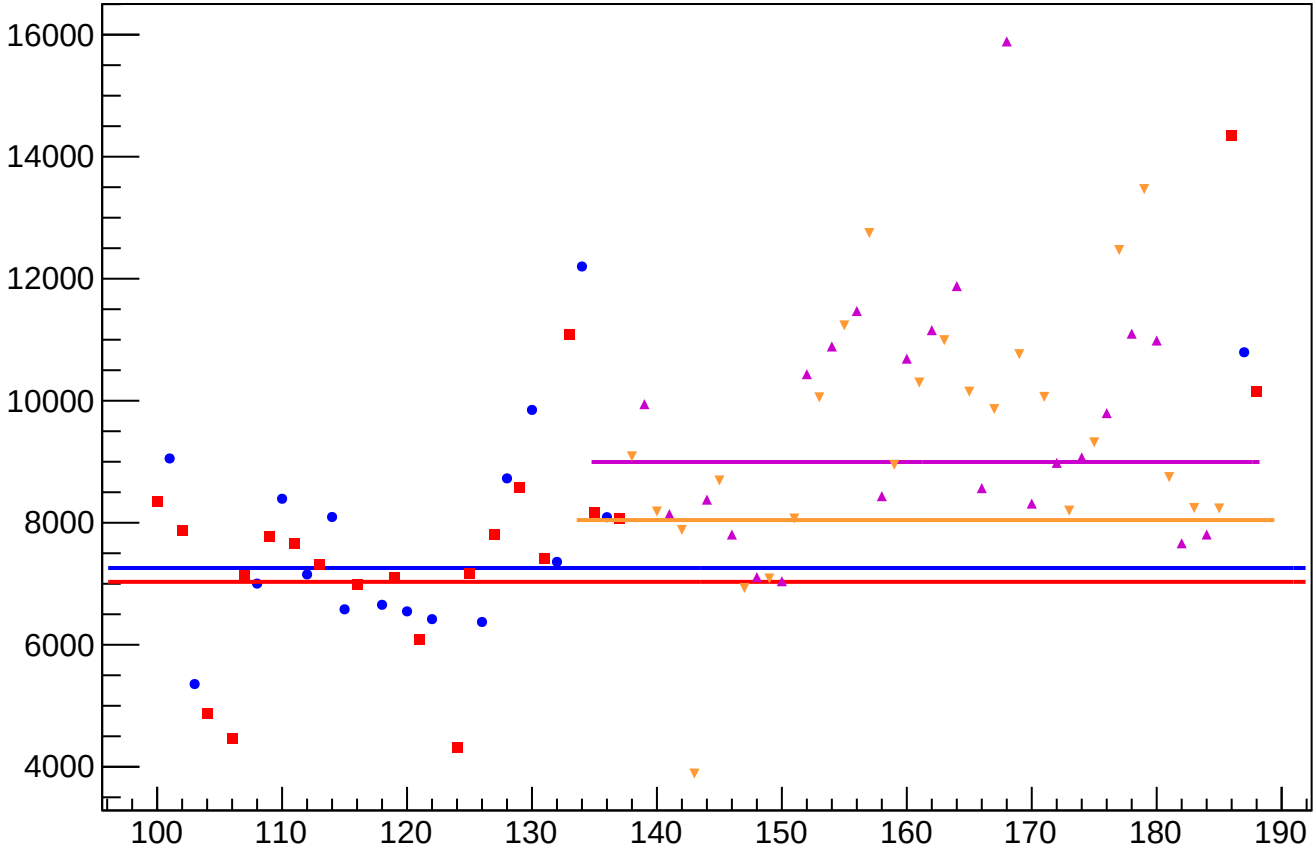
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -841.953+/-1572.328 χ^2/NDF: 44.7/41

All: 87.546+/-1127.074 χ^2/NDF: 84.6/85

- sign 1069.925+/-1616.434 χ^2/NDF: 39.2/43

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7258.534+/-1.926 χ^2/NDF: 552648.1/16

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

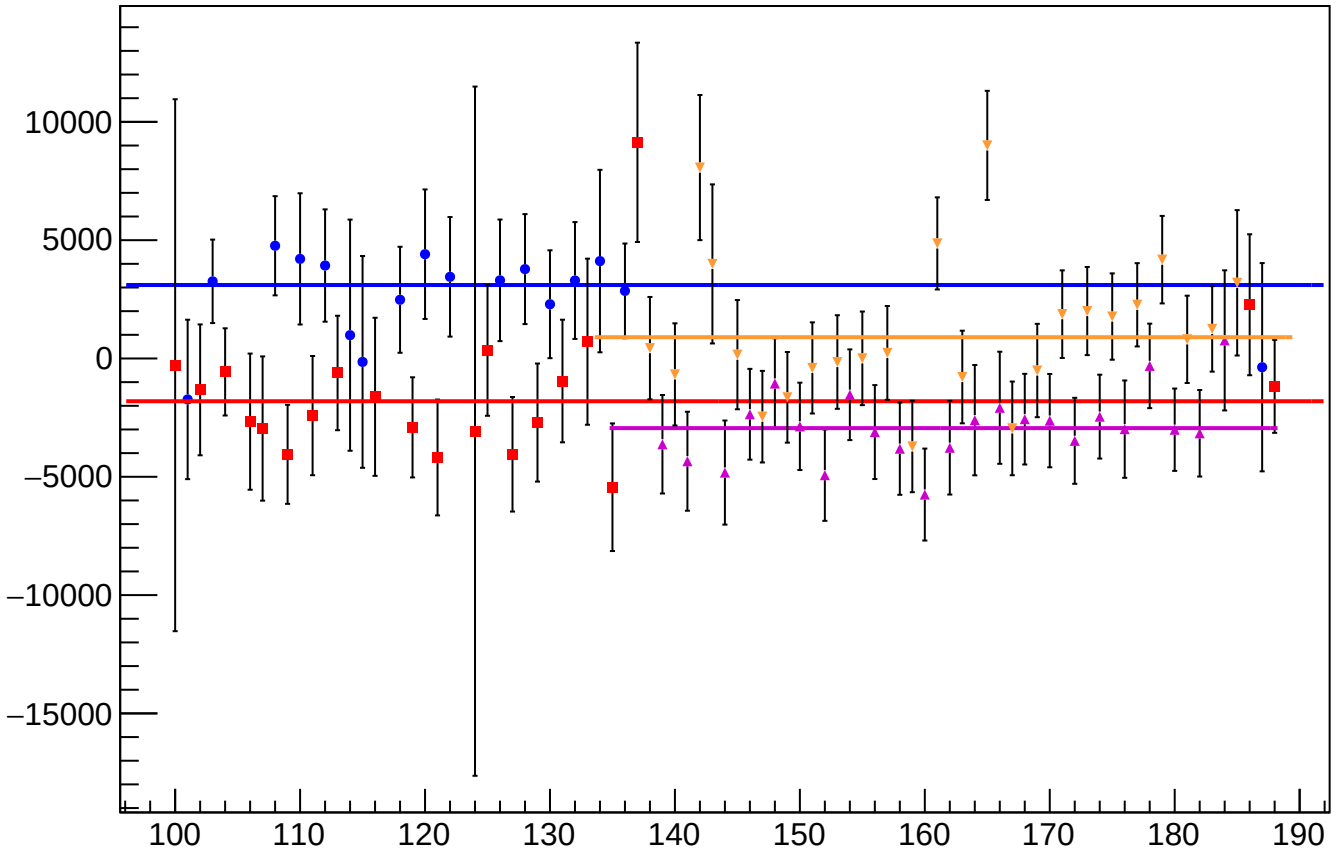
Right Out: 7031.249+/-1.740 χ^2/NDF: 1128248.1/20

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

\+ sign 7782.105+/-1.112 χ^2/NDF: 4026412.1/41

All: 7960.168+/-0.797 χ^2/NDF: 7139037.3/85

\- sign 8148.361+/-1.143 χ^2/NDF: 3059865.2/43



Right In: 3104.959+/-621.695 χ^2/NDF: 4.9/16

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1806.828+/-581.167 χ^2/NDF: 16.2/20

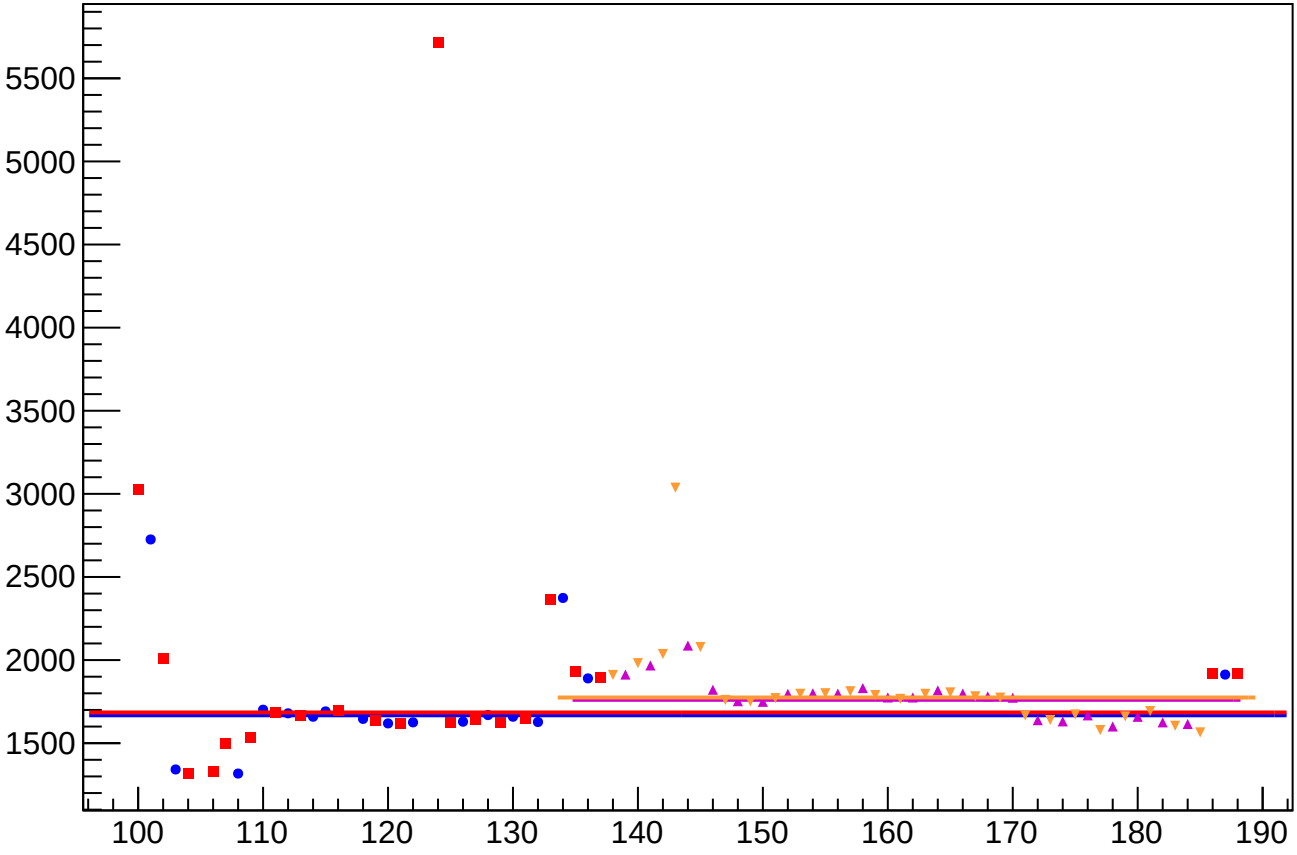
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1557.365+/-339.663 χ^2/NDF: 59.0/41

All: -524.263+/-238.925 χ^2/NDF: 162.7/85

- sign -2563.013+/-336.147 χ^2/NDF: 29.3/43

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1667.886+/-0.440 χ^2/NDF: 421947.2/16

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

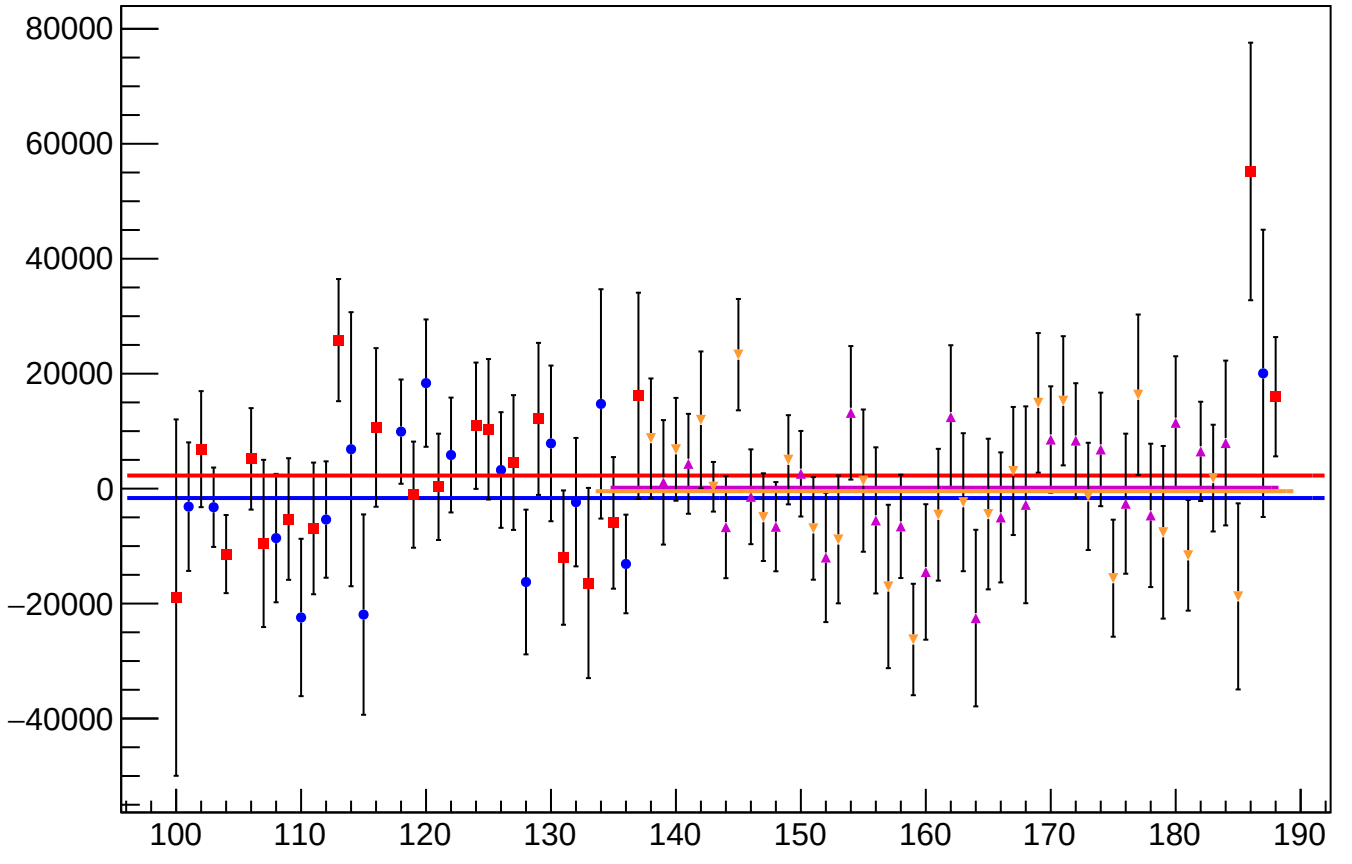
Right Out: 1684.767+/-0.411 χ^2/NDF: 478089.3/20

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1742.838+/-0.240 χ^2/NDF: 910281.8/41

All: 1739.159+/-0.169 χ^2/NDF: 1558055.0/85

- sign 1735.556+/-0.238 χ^2/NDF: 647308.8/43



Right In: -1639.332+/-2723.633 χ^2/NDF: 15.1/16

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 2275.947+/-2461.287 χ^2/NDF: 25.0/20

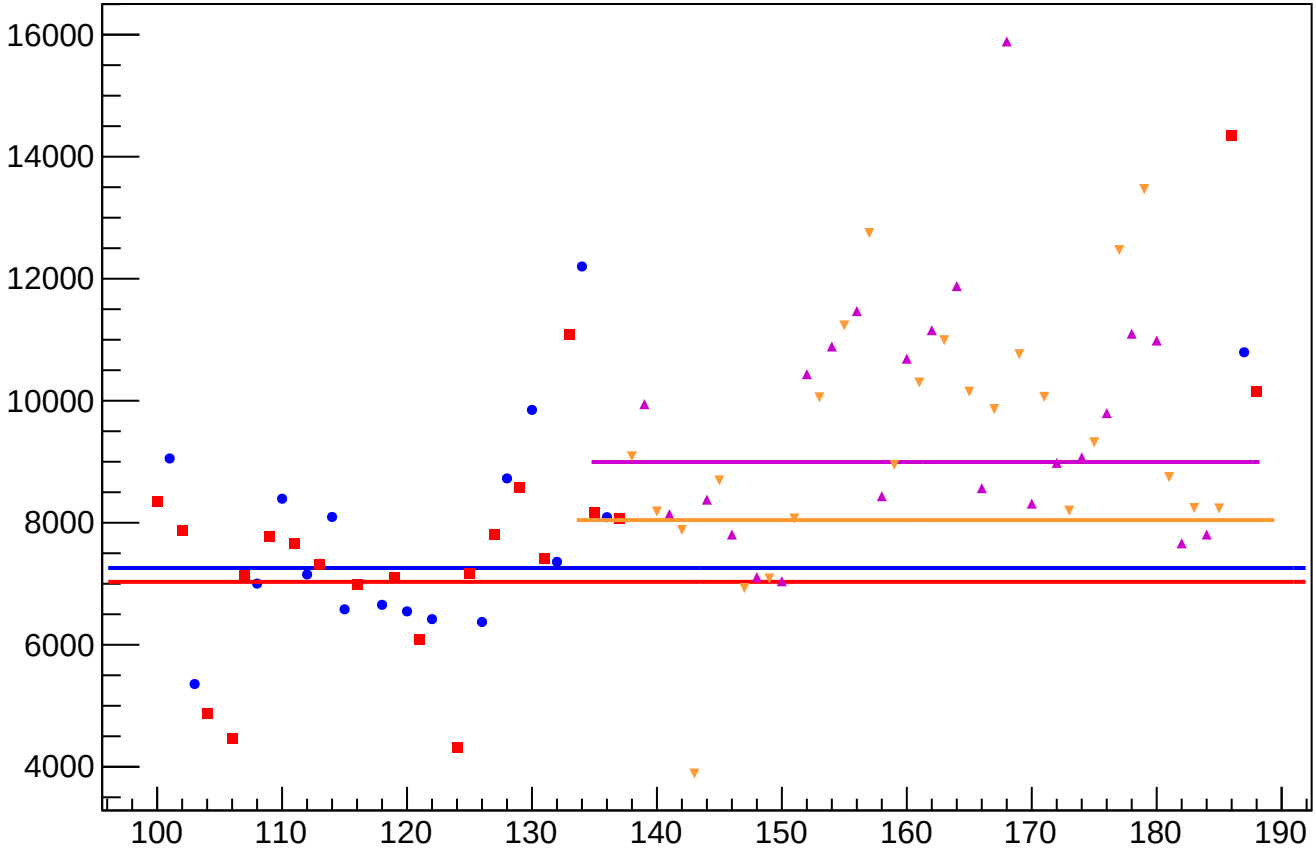
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

\+ sign -841.953+/-1572.328 χ^2/NDF: 44.7/41

All: 87.546+/-1127.074 χ^2/NDF: 84.6/85

\- sign 1069.925+/-1616.434 χ^2/NDF: 39.2/43

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7258.534+/-1.926 χ^2/NDF: 552648.1/16

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

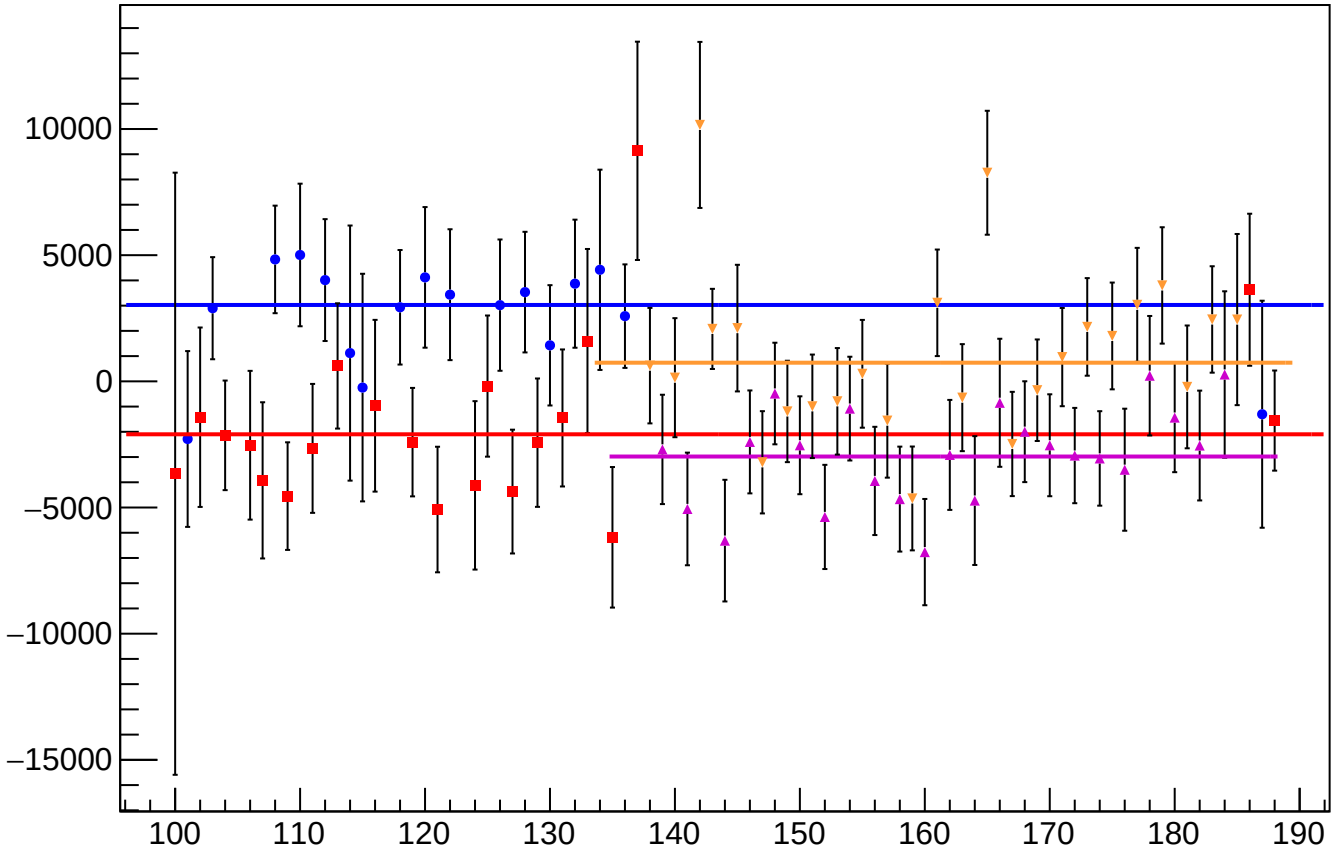
Right Out: 7031.249+/-1.740 χ^2/NDF: 1128248.1/20

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7782.105+/-1.112 χ^2/NDF: 4026412.1/41

All: 7960.168+/-0.797 χ^2/NDF: 7139037.3/85

- sign 8148.361+/-1.143 χ^2/NDF: 3059865.2/43



Right In: 3027.161+/-644.404 χ^2/NDF: 6.3/16

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2098.250+/-596.206 χ^2/NDF: 19.9/20

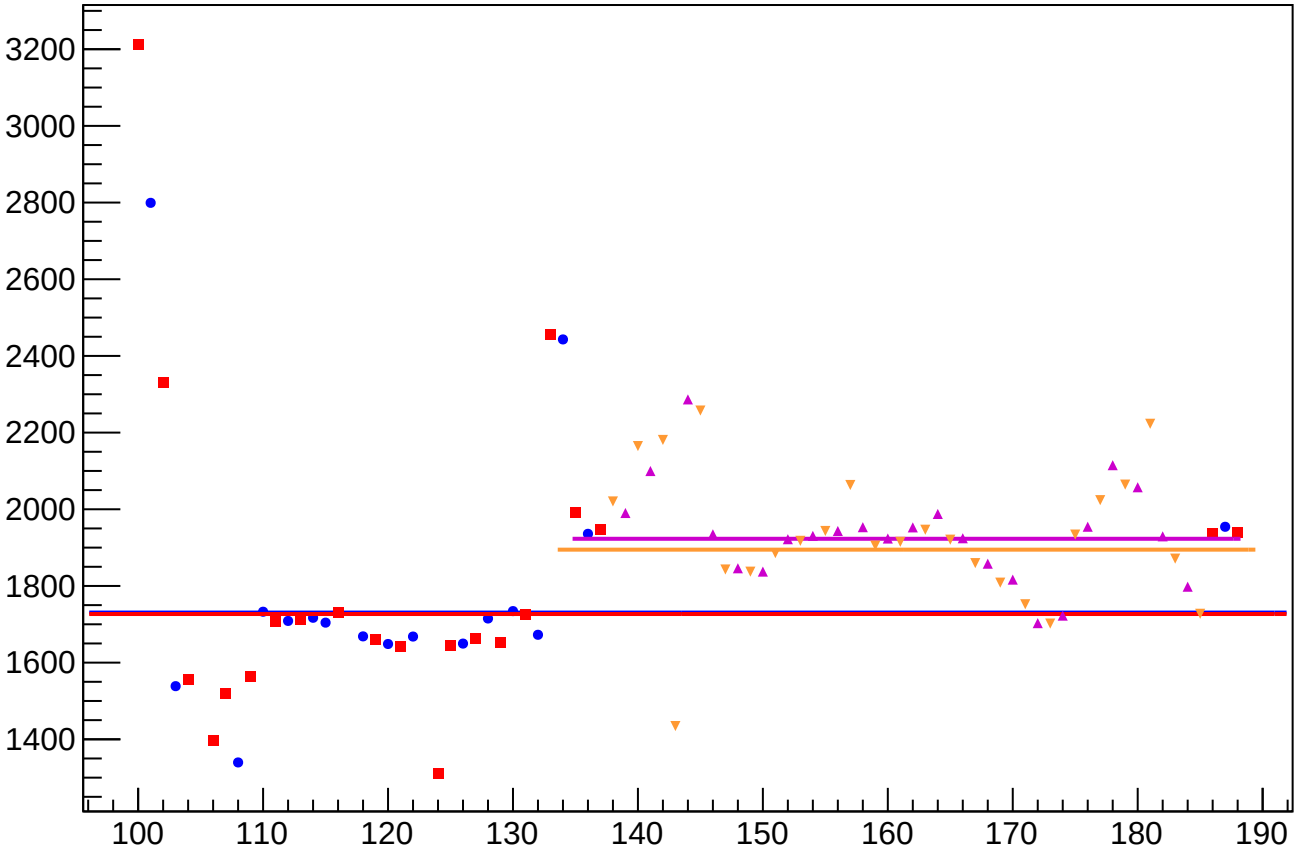
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1450.496+/-359.331 χ^2/NDF: 56.6/41

All: -604.266+/-254.091 χ^2/NDF: 158.9/85

- sign -2659.191+/-359.345 χ^2/NDF: 36.9/43

dit_asym_at2_avg_rms vs Slug



Right In: 1730.598+/-0.456 χ^2/NDF: 370689.8/16

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1726.791+/-0.421 χ^2/NDF: 322972.6/20

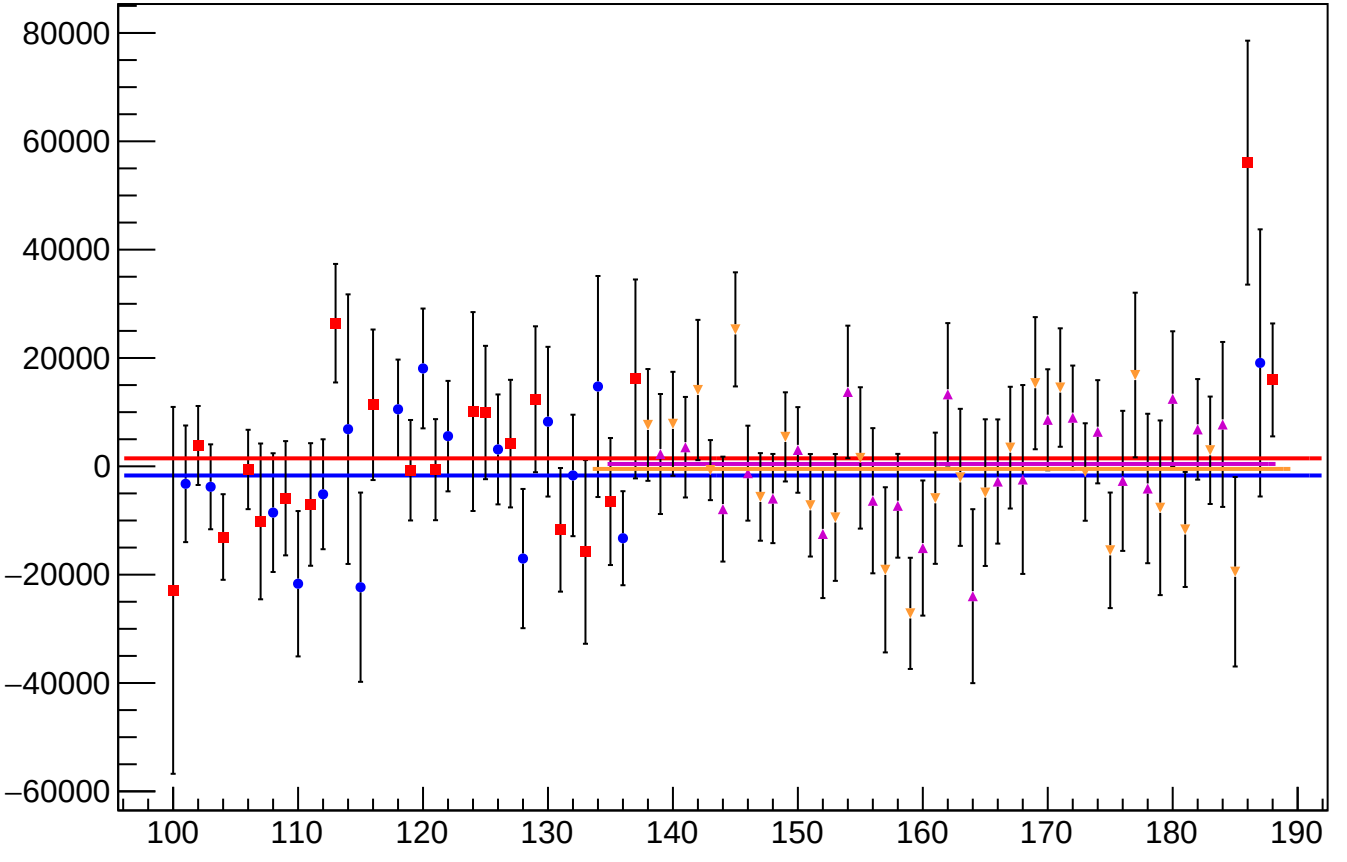
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1843.664+/-0.254 χ^2/NDF: 828631.5/41

All: 1847.691+/-0.180 χ^2/NDF: 1441114.8/85

- sign 1851.718+/-0.254 χ^2/NDF: 611980.9/43

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1690.943+/-2780.464 χ^2/NDF: 15.1/16

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 1473.176+/-2443.674 χ^2/NDF: 24.3/20

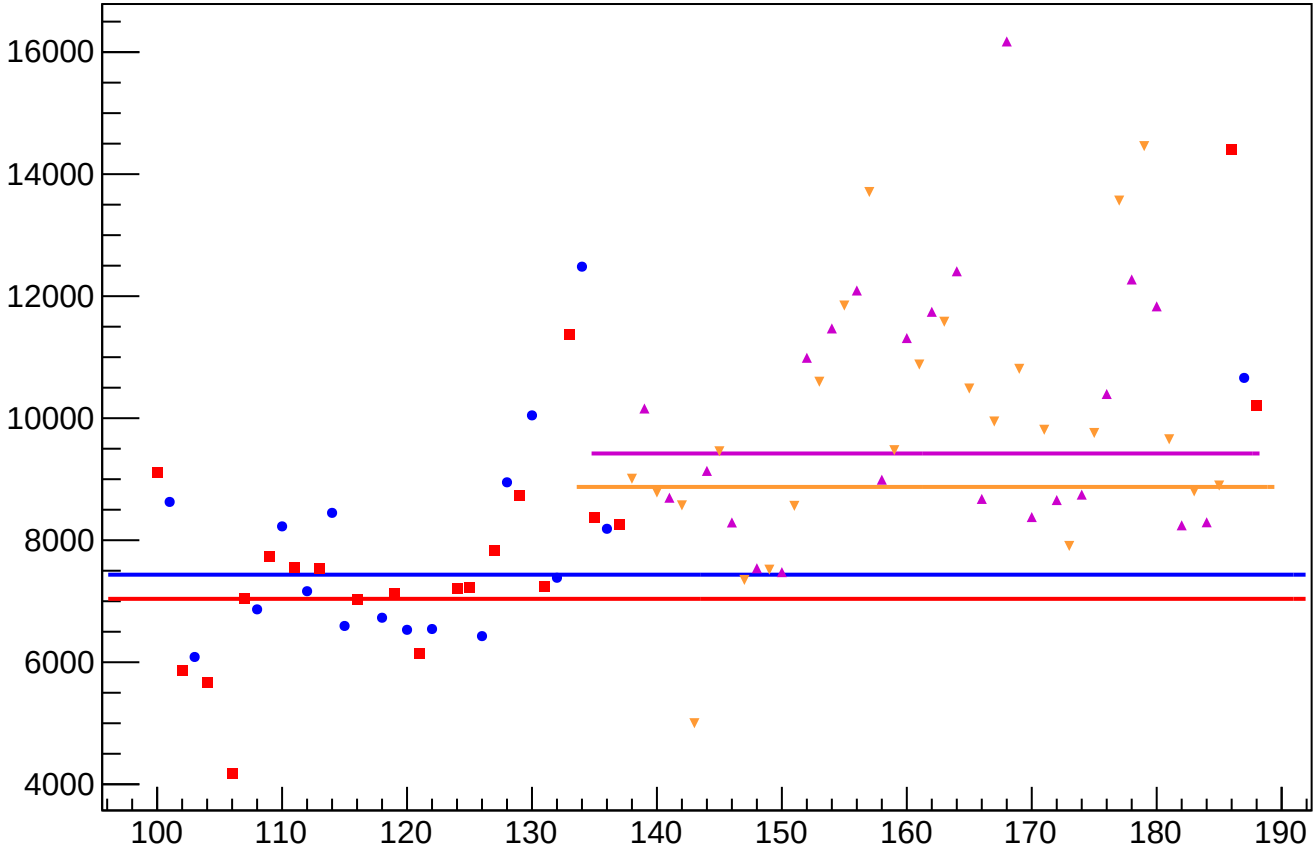
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -916.556+/-1670.266 χ^2/NDF: 44.0/41

All: 6.621+/-1175.015 χ^2/NDF: 82.6/85

- sign 911.148+/-1653.308 χ^2/NDF: 37.9/43

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7435.156+/-1.966 χ^2/NDF: 436482.0/16

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7039.125+/-1.728 χ^2/NDF: 1068107.9/20

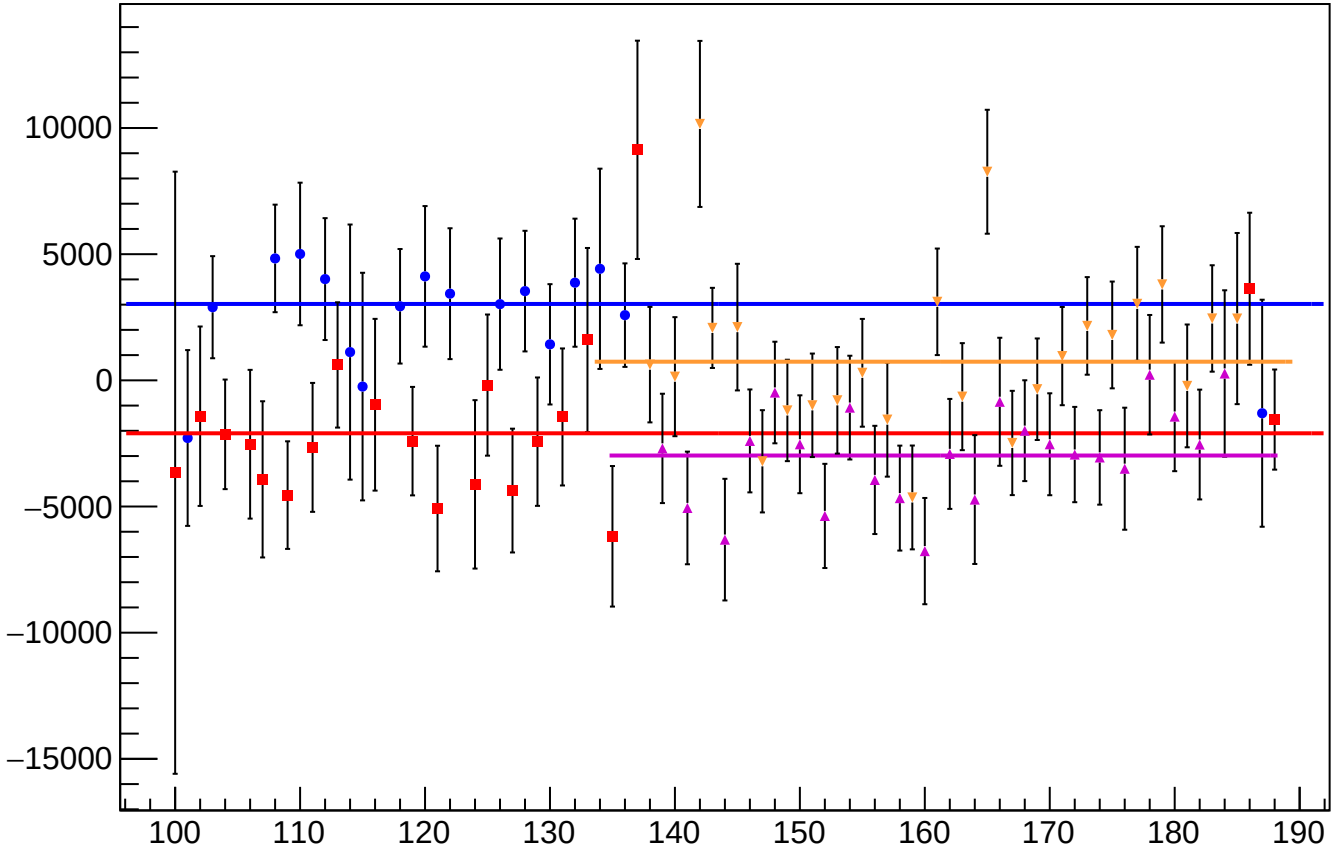
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8354.520+/-1.181 χ^2/NDF: 2981848.1/41

All: 8342.690+/-0.831 χ^2/NDF: 6285970.5/85

- sign 8331.098+/-1.169 χ^2/NDF: 3303923.7/43

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3027.165+/-644.404 χ^2/NDF: 6.3/16

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2098.259+/-596.206 χ^2/NDF: 19.9/20

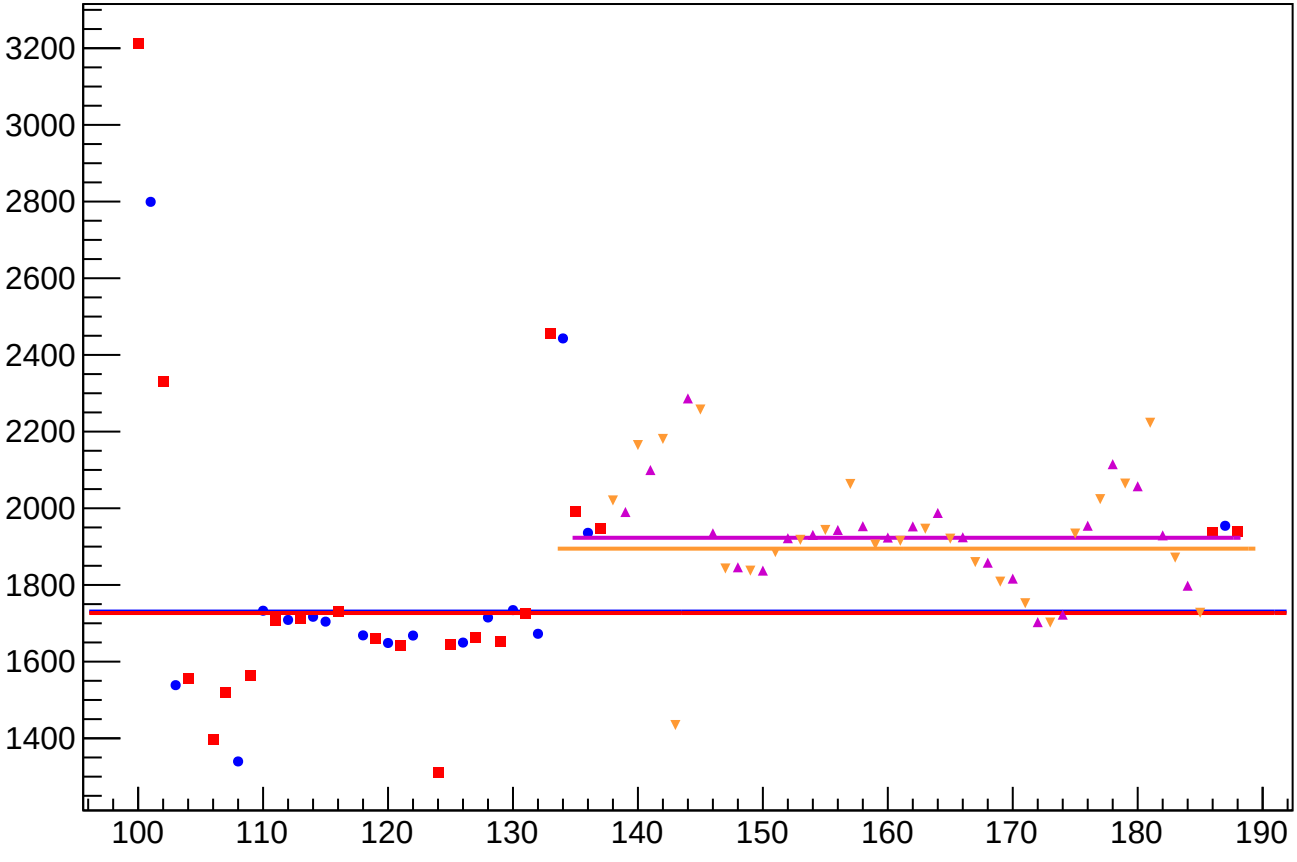
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1450.491+/-359.332 χ^2/NDF: 56.6/41

All: -604.270+/-254.091 χ^2/NDF: 158.9/85

- sign -2659.195+/-359.346 χ^2/NDF: 36.9/43

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1730.597+/-0.456 χ^2/NDF: 370689.9/16

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

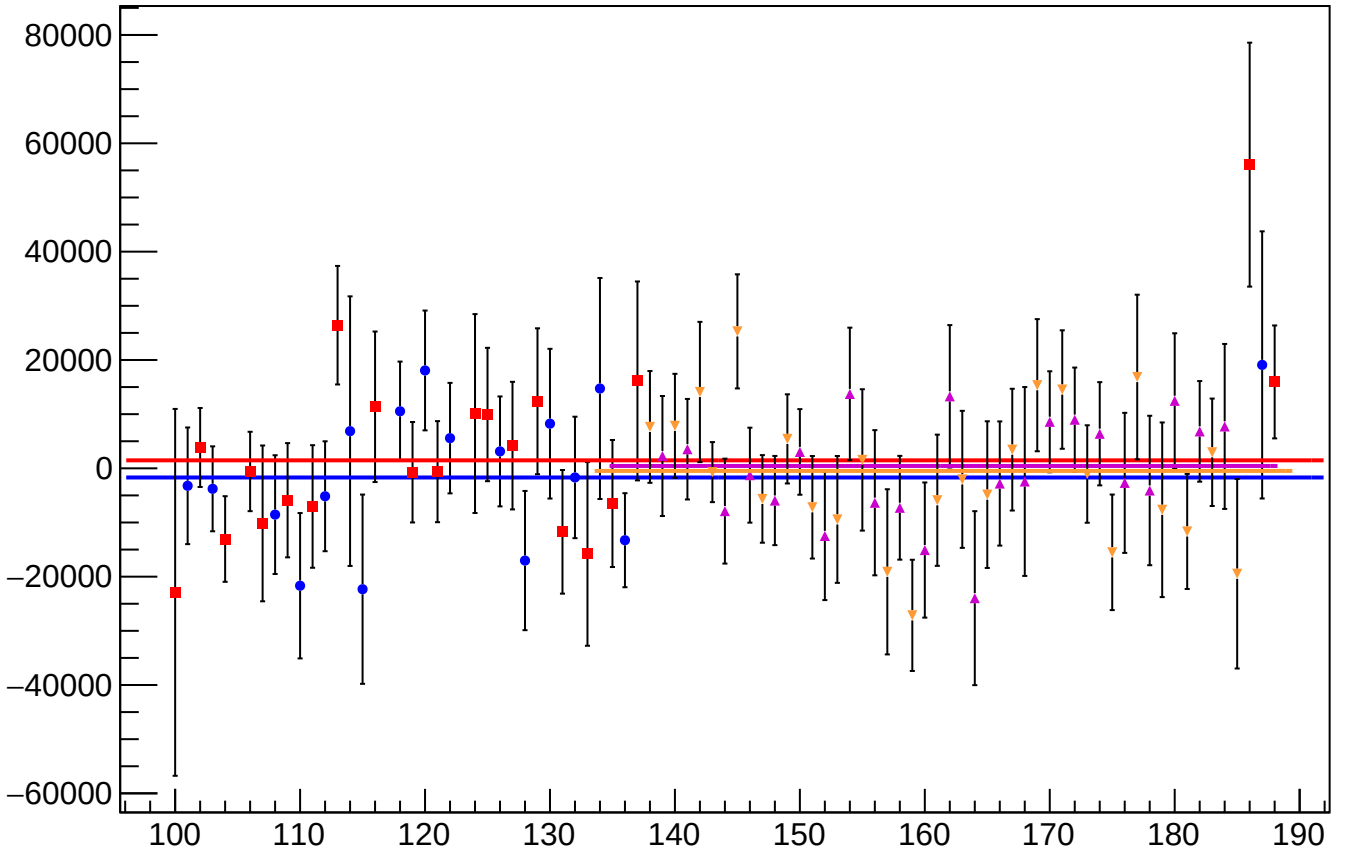
Right Out: 1726.791+/-0.421 χ^2/NDF: 322972.8/20

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1843.665+/-0.254 χ^2/NDF: 828643.0/41

All: 1847.693+/-0.180 χ^2/NDF: 1441139.0/85

- sign 1851.720+/-0.254 χ^2/NDF: 611993.5/43



Right In: -1690.923+/-2780.457 χ^2/NDF: 15.1/16

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 1473.164+/-2443.669 χ^2/NDF: 24.3/20

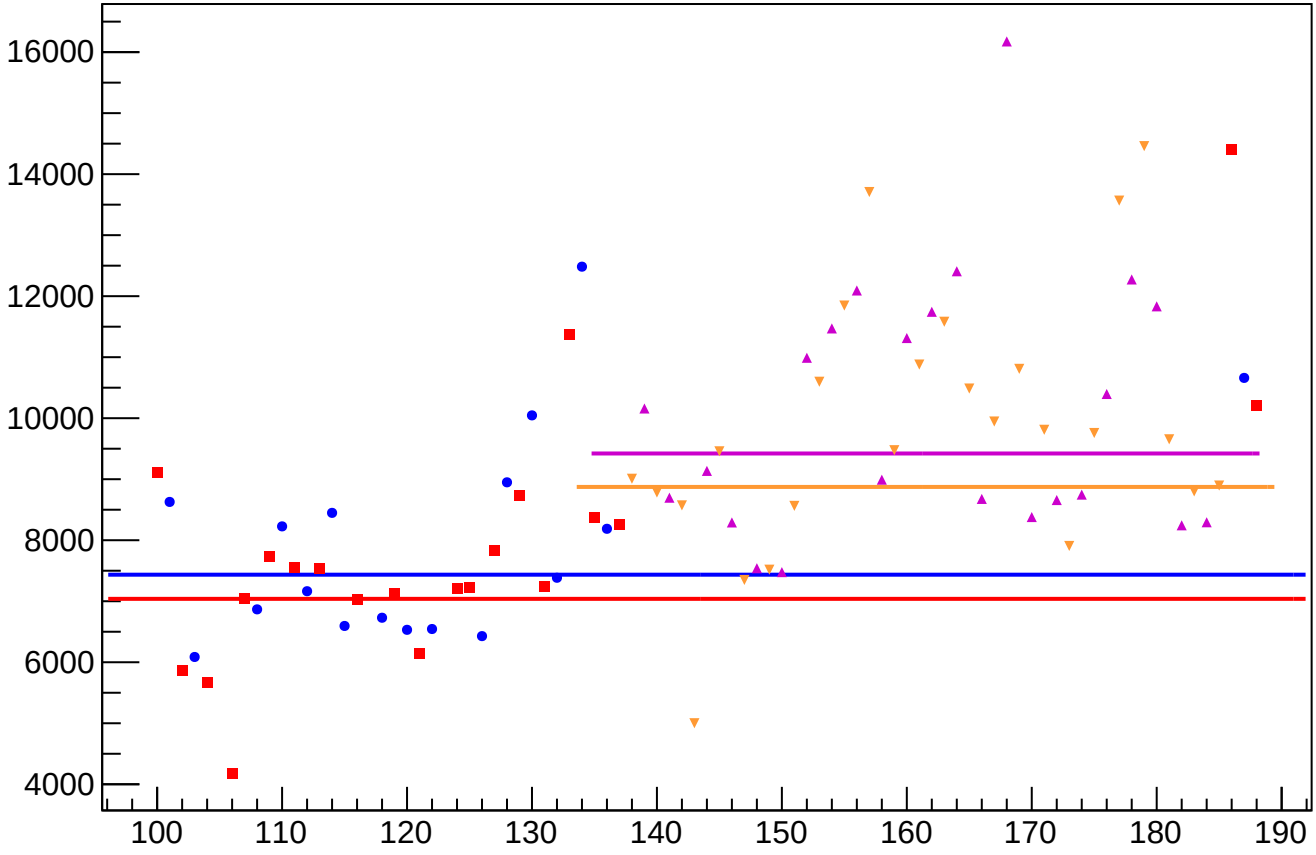
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -916.556+/-1670.267 χ^2/NDF: 44.0/41

All: 6.621+/-1175.015 χ^2/NDF: 82.6/85

- sign 911.146+/-1653.308 χ^2/NDF: 37.9/43

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7435.139+/-1.966 χ^2/NDF: 436484.9/16

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

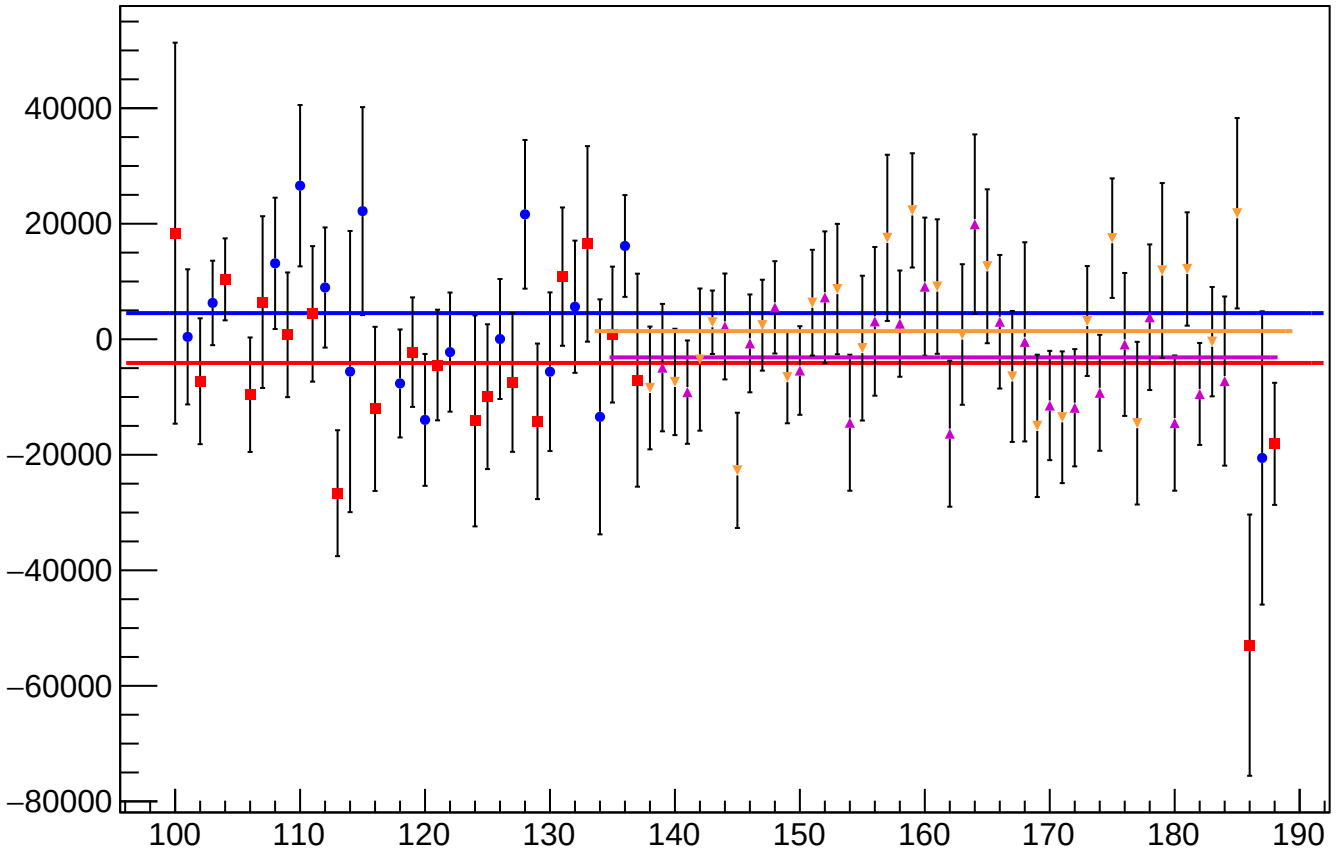
Right Out: 7039.111+/-1.728 χ^2/NDF: 1068110.3/20

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8354.521+/-1.181 χ^2/NDF: 2981868.2/41

All: 8342.688+/-0.831 χ^2/NDF: 6286022.2/85

- sign 8331.095+/-1.169 χ^2/NDF: 3303955.2/43



Right In: 4526.460+/-2811.516 χ^2/NDF: 15.3/16

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -4101.070+/-2594.673 χ^2/NDF: 21.7/20

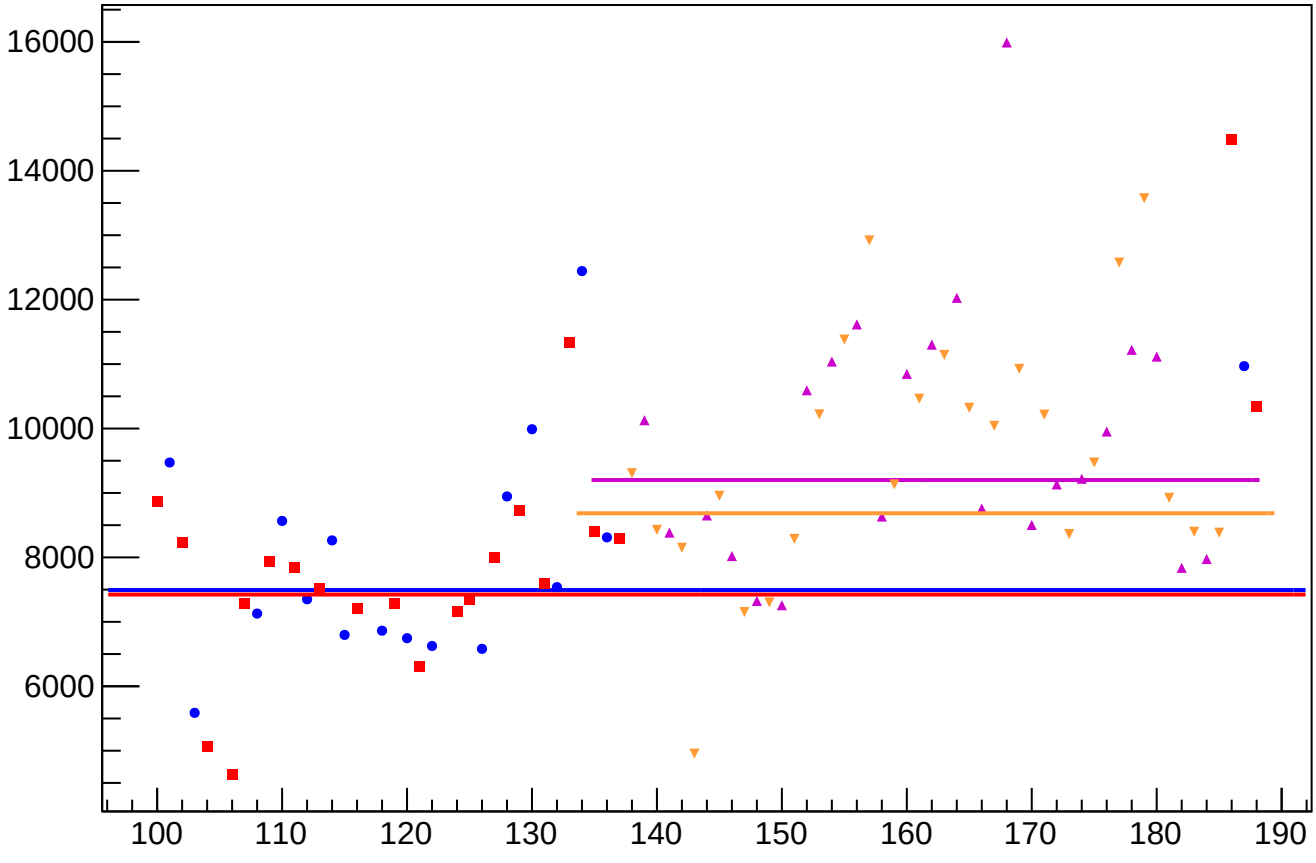
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2483.689+/-1651.095 χ^2/NDF: 43.6/41

All: -487.529+/-1175.280 χ^2/NDF: 84.9/85

- sign -3539.284+/-1673.323 χ^2/NDF: 34.7/43

asym_at2_avg_rms vs Slug



Right In: 7493.136+/-1.988 χ^2/NDF: 524369.6/16

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

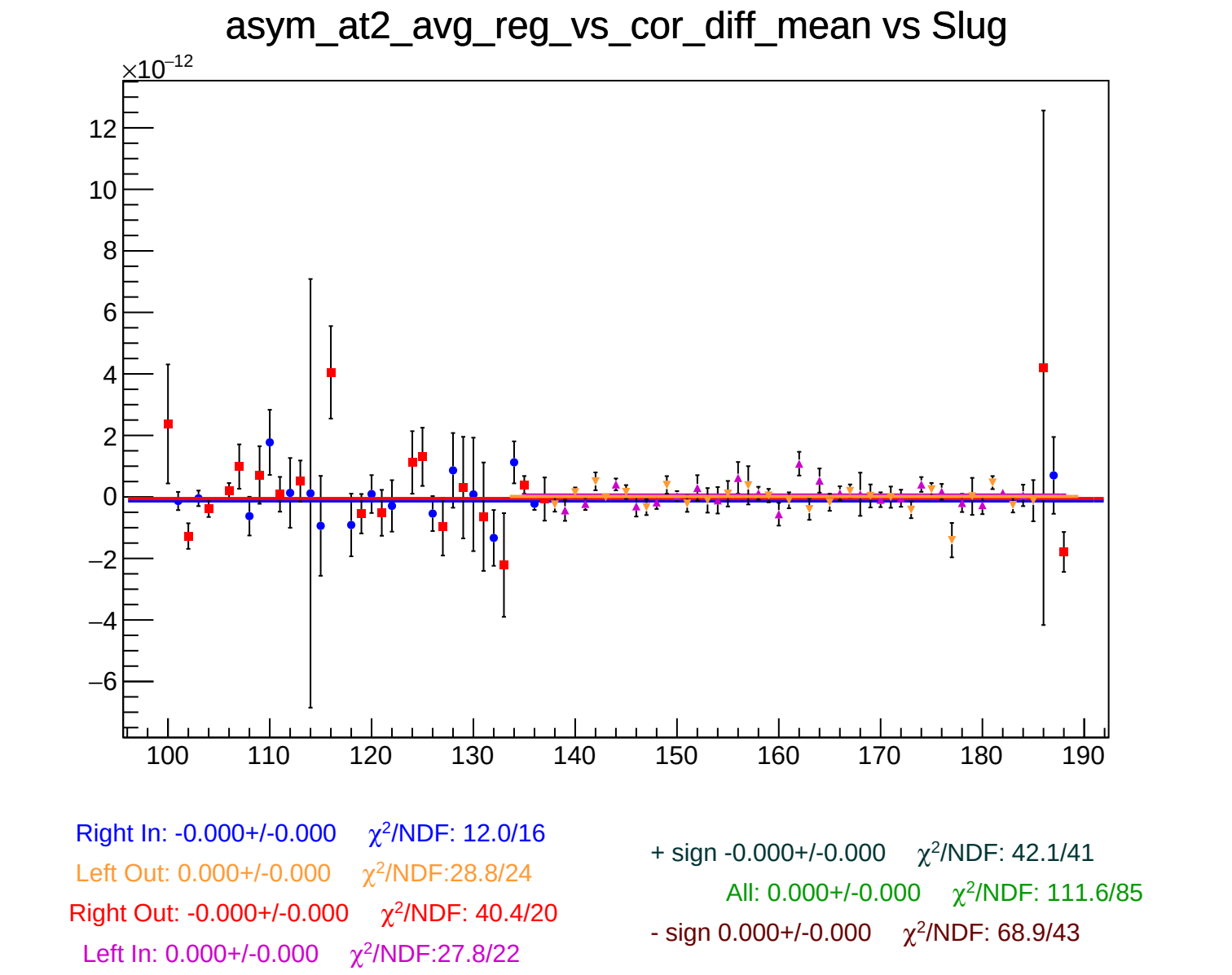
Right Out: 7423.515+/-1.835 χ^2/NDF: 928080.9/20

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

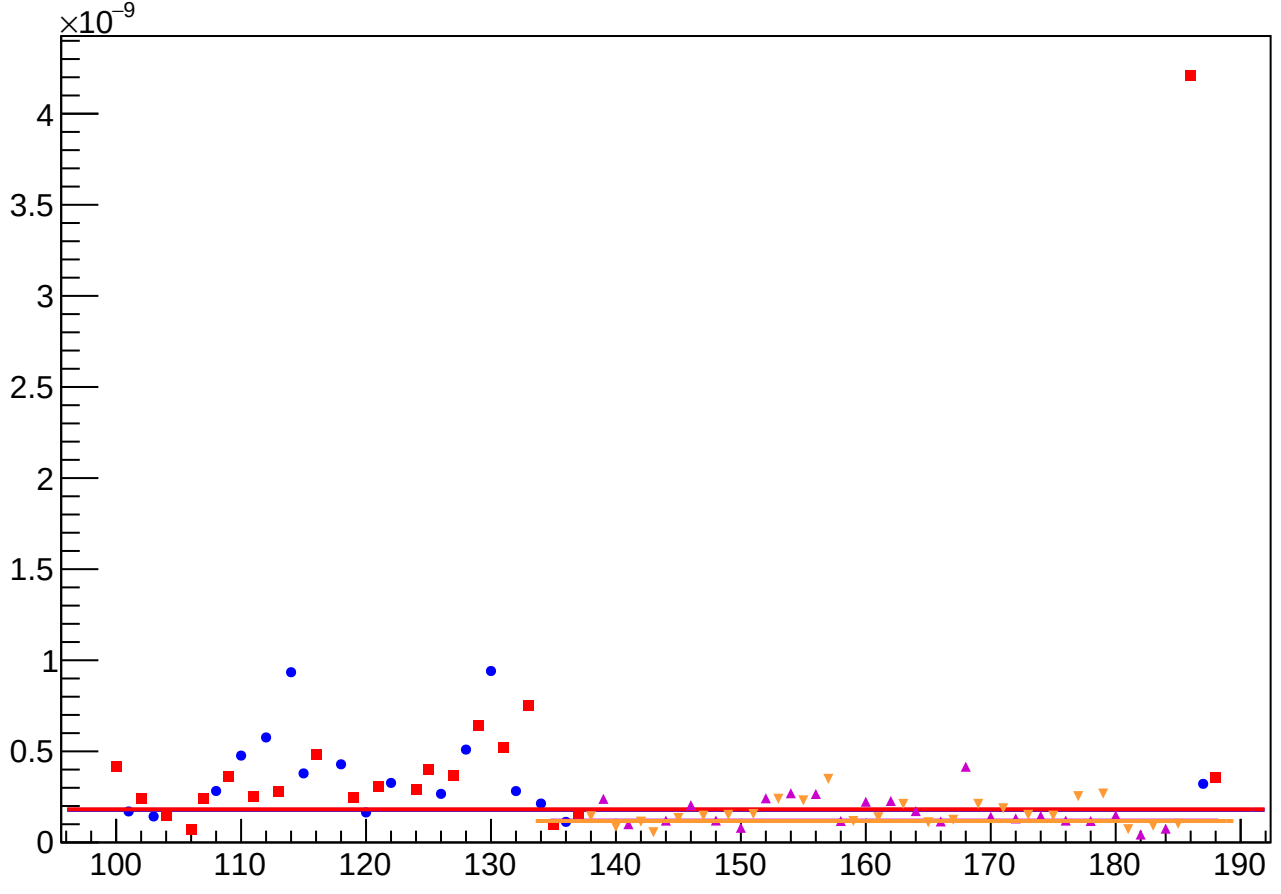
+ sign 8273.654+/-1.167 χ^2/NDF: 2811281.1/41

All: 8366.353+/-0.831 χ^2/NDF: 5429704.6/85

- sign 8461.560+/-1.183 χ^2/NDF: 2605644.4/43


asym_at2_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 12.0/16
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 40.4/20
Left In: 0.000+/-0.000 χ²/NDF:27.8/22
+ sign -0.000+/-0.000 χ²/NDF: 42.1/41
All: 0.000+/-0.000 χ²/NDF: 111.6/85
- sign 0.000+/-0.000 χ²/NDF: 68.9/43

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1556433.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2255039.2/20

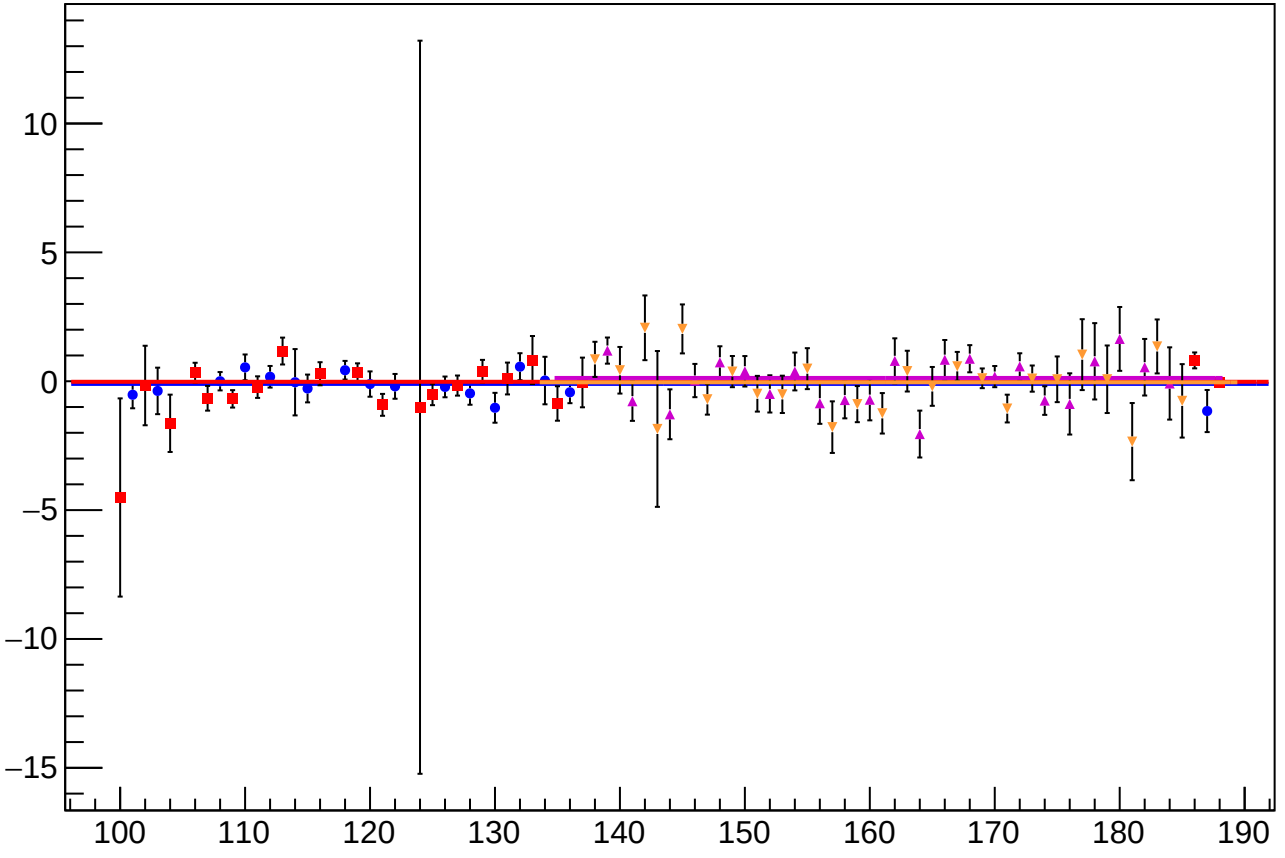
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4343421.1/41

All: 0.000+/-0.000 χ^2/NDF: 9704631.8/85

- sign 0.000+/-0.000 χ^2/NDF: 5357104.3/43

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.021+/-0.094 χ^2/NDF: 33.3/20

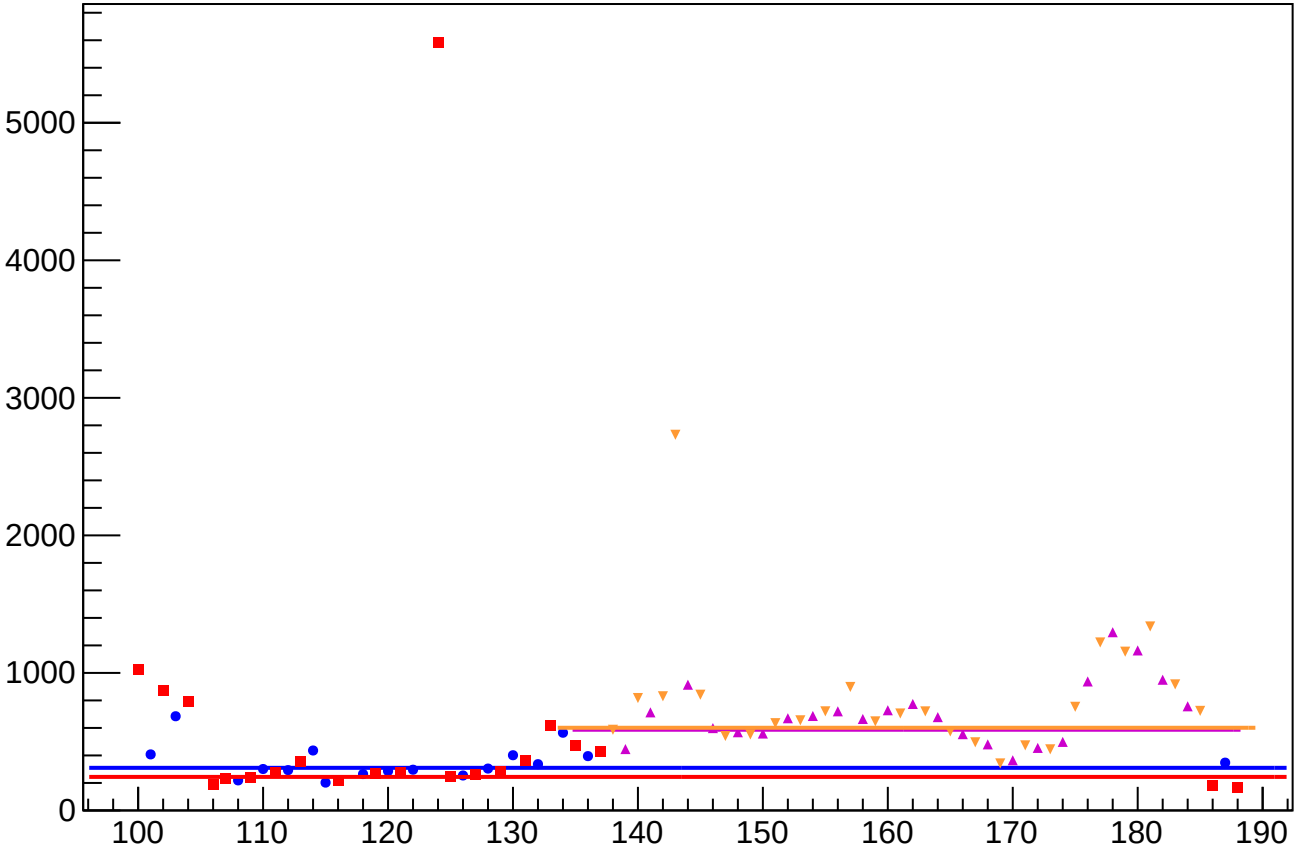
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.078+/-0.093 χ^2/NDF: 42.7/41

All: -0.019+/-0.060 χ^2/NDF: 106.5/85

- sign 0.023+/-0.079 χ^2/NDF: 63.1/43

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.932+/-0.085 χ^2/NDF: 1018959.4/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 243.918+/-0.066 χ^2/NDF: 2524526.7/20

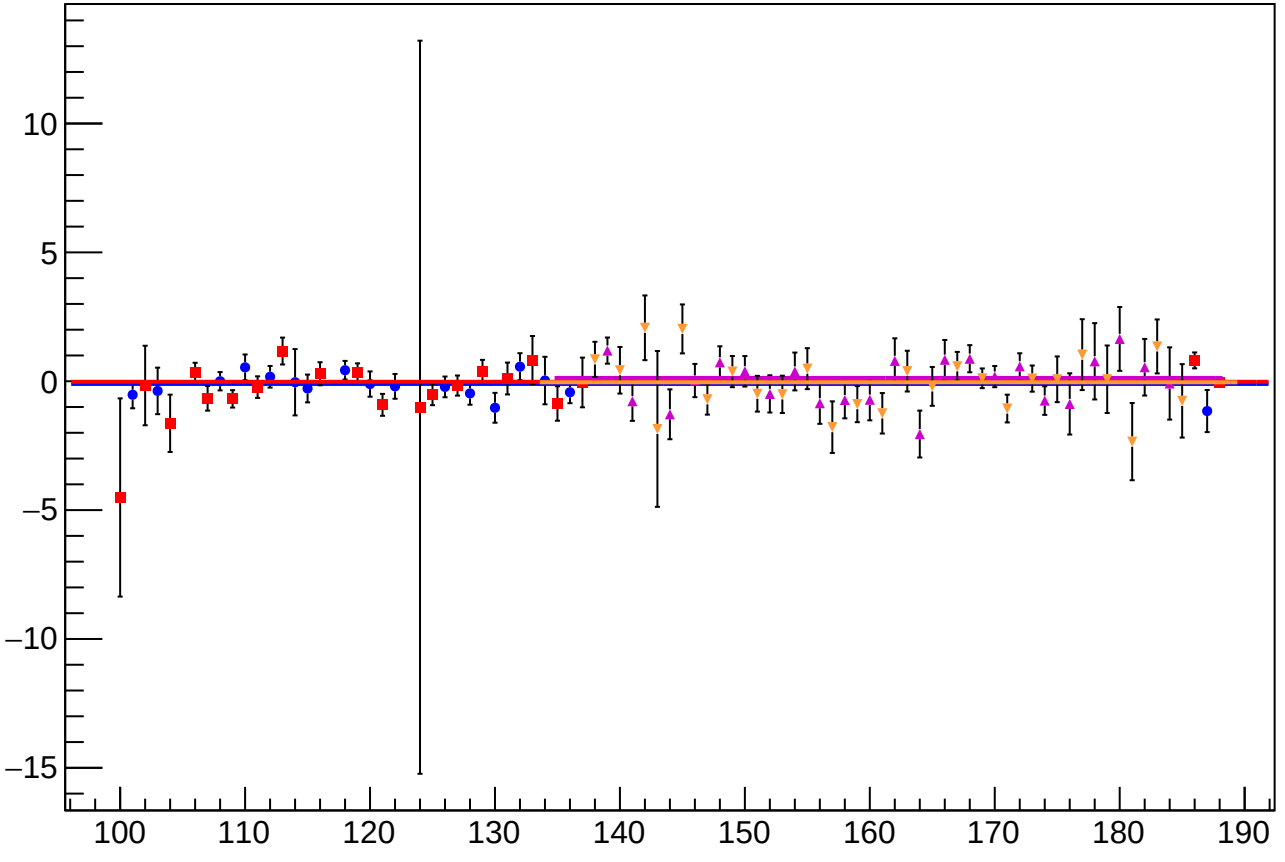
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 426.545+/-0.066 χ^2/NDF: 10155454.0/41

All: 378.797+/-0.043 χ^2/NDF: 24383025.0/85

- sign 344.802+/-0.056 χ^2/NDF: 13331544.3/43

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.021+/-0.094 χ^2/NDF: 33.3/20

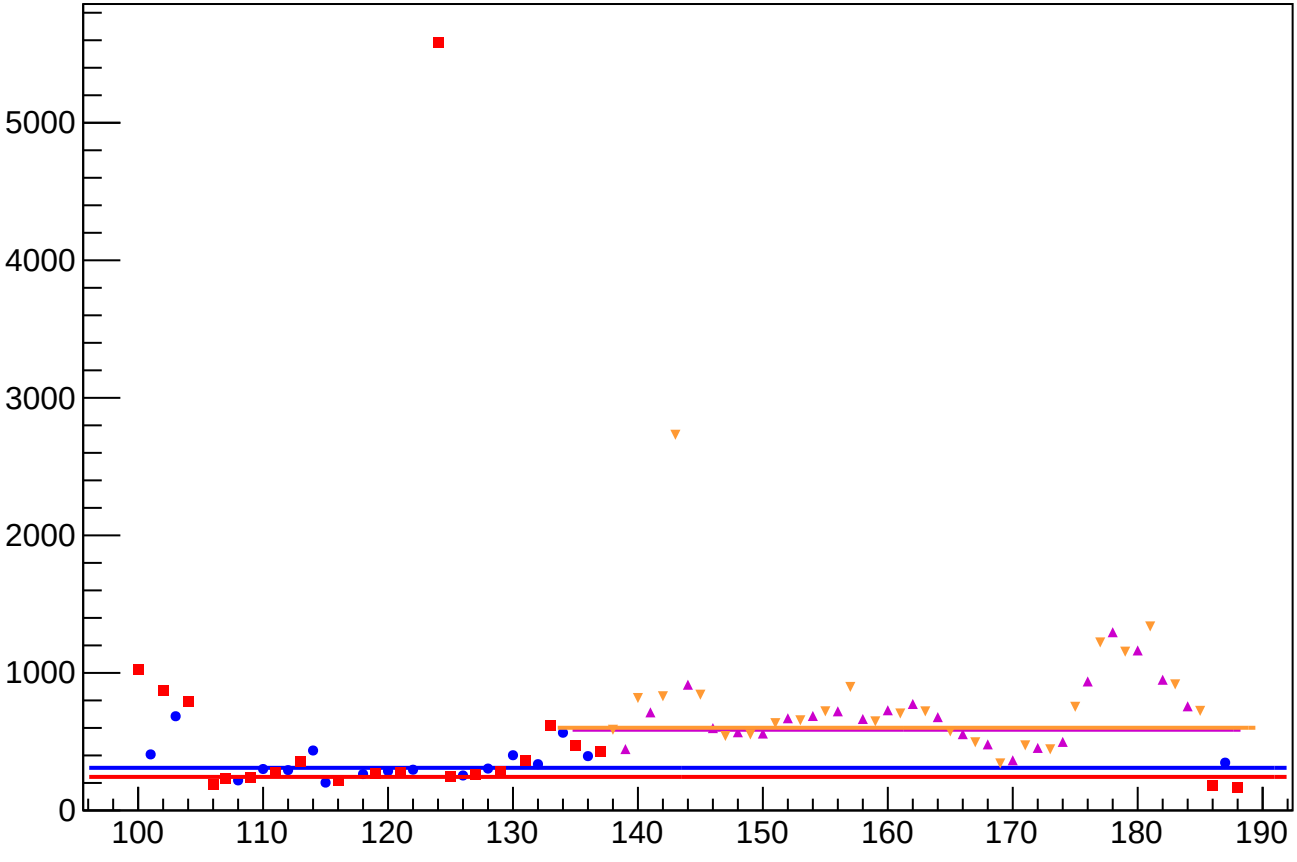
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.078+/-0.093 χ^2/NDF: 42.7/41

All: -0.019+/-0.060 χ^2/NDF: 106.5/85

- sign 0.023+/-0.079 χ^2/NDF: 63.1/43

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.932+/-0.085 χ^2/NDF: 1018959.4/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

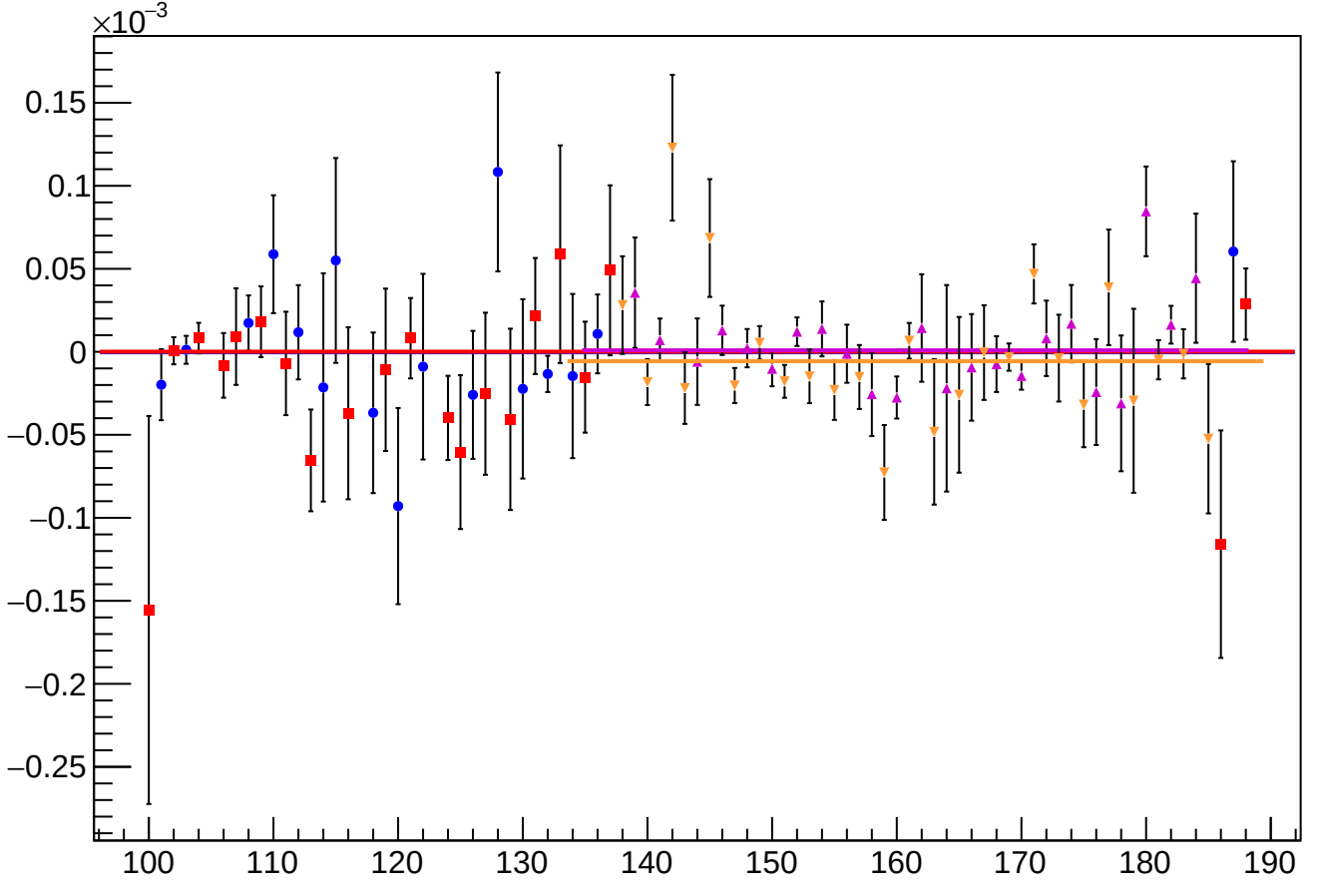
Right Out: 243.918+/-0.066 χ^2/NDF: 2524526.7/20

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 426.545+/-0.066 χ^2/NDF: 10155454.0/41

All: 378.797+/-0.043 χ^2/NDF: 24383025.0/85

- sign 344.802+/-0.056 χ^2/NDF: 13331544.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

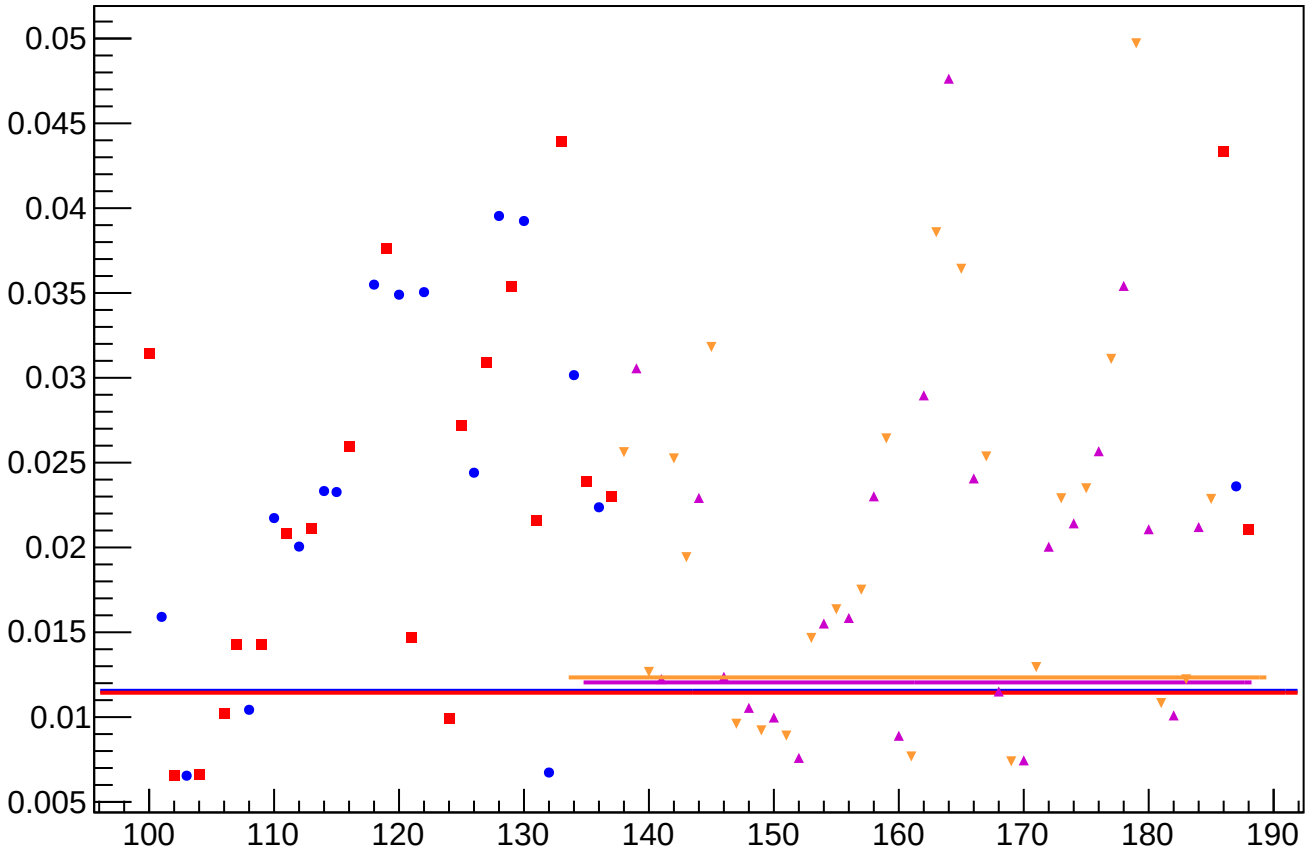
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/20

Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.1/41

All: -0.000+/-0.000 χ^2/NDF: 111.7/85

- sign 0.000+/-0.000 χ^2/NDF: 51.0/43



Right In: 0.012+/-0.000 χ^2/NDF: 4799113.8/16

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 5344012.5/20

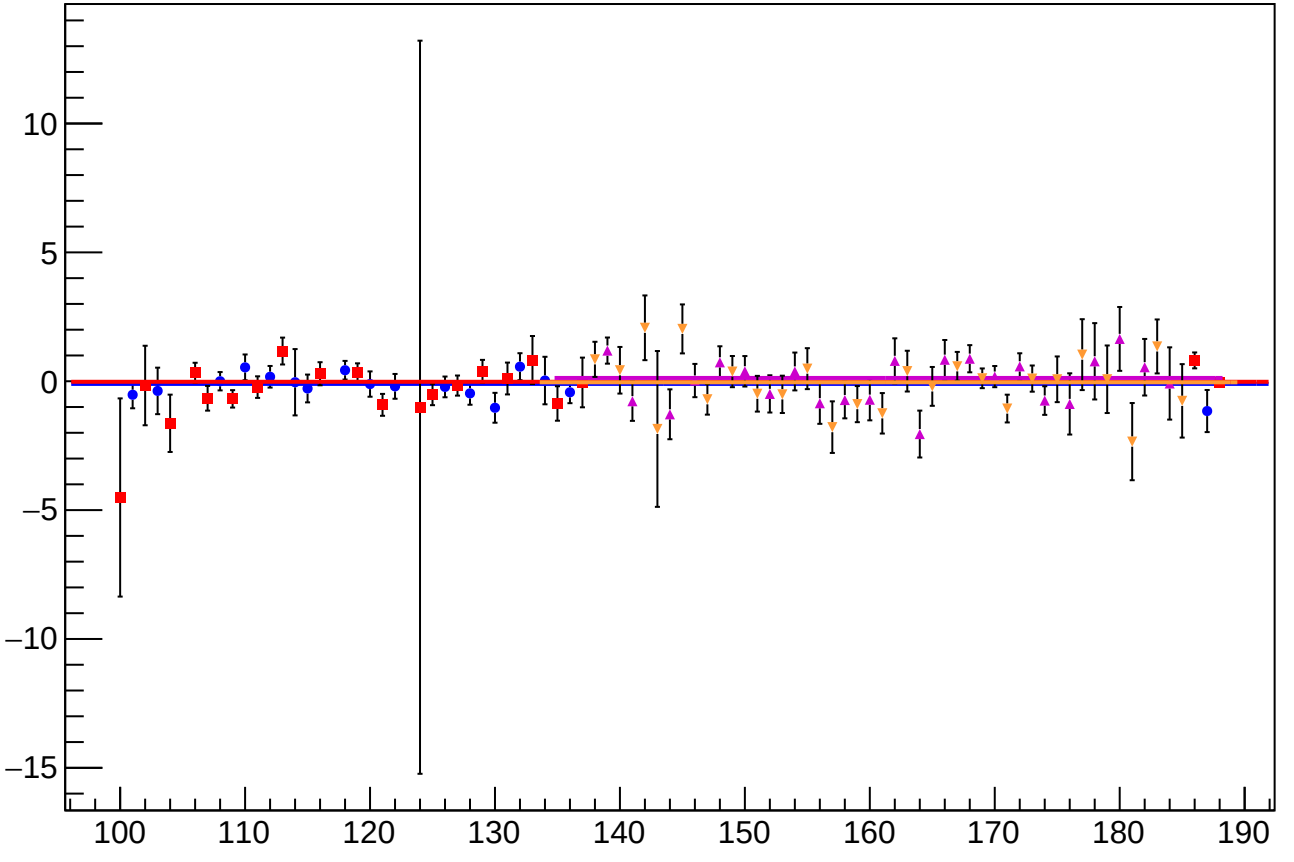
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 12670578.0/41

All: 0.012+/-0.000 χ^2/NDF: 24426667.3/85

- sign 0.012+/-0.000 χ^2/NDF: 11745797.6/43

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.021+/-0.094 χ^2/NDF: 33.3/20

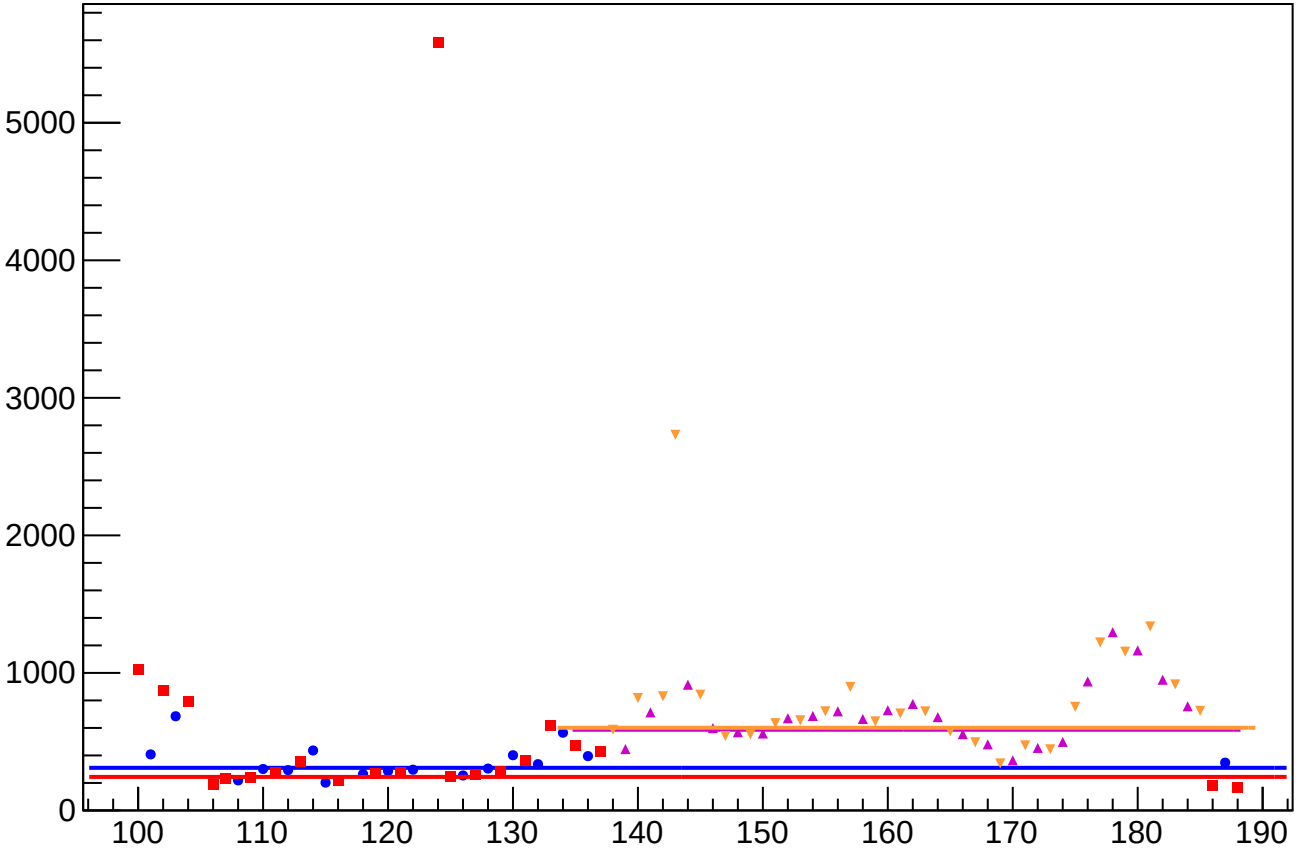
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.078+/-0.093 χ^2/NDF: 42.7/41

All: -0.019+/-0.060 χ^2/NDF: 106.5/85

- sign 0.023+/-0.079 χ^2/NDF: 63.1/43

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 309.931+/-0.085 χ^2/NDF: 1018927.9/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

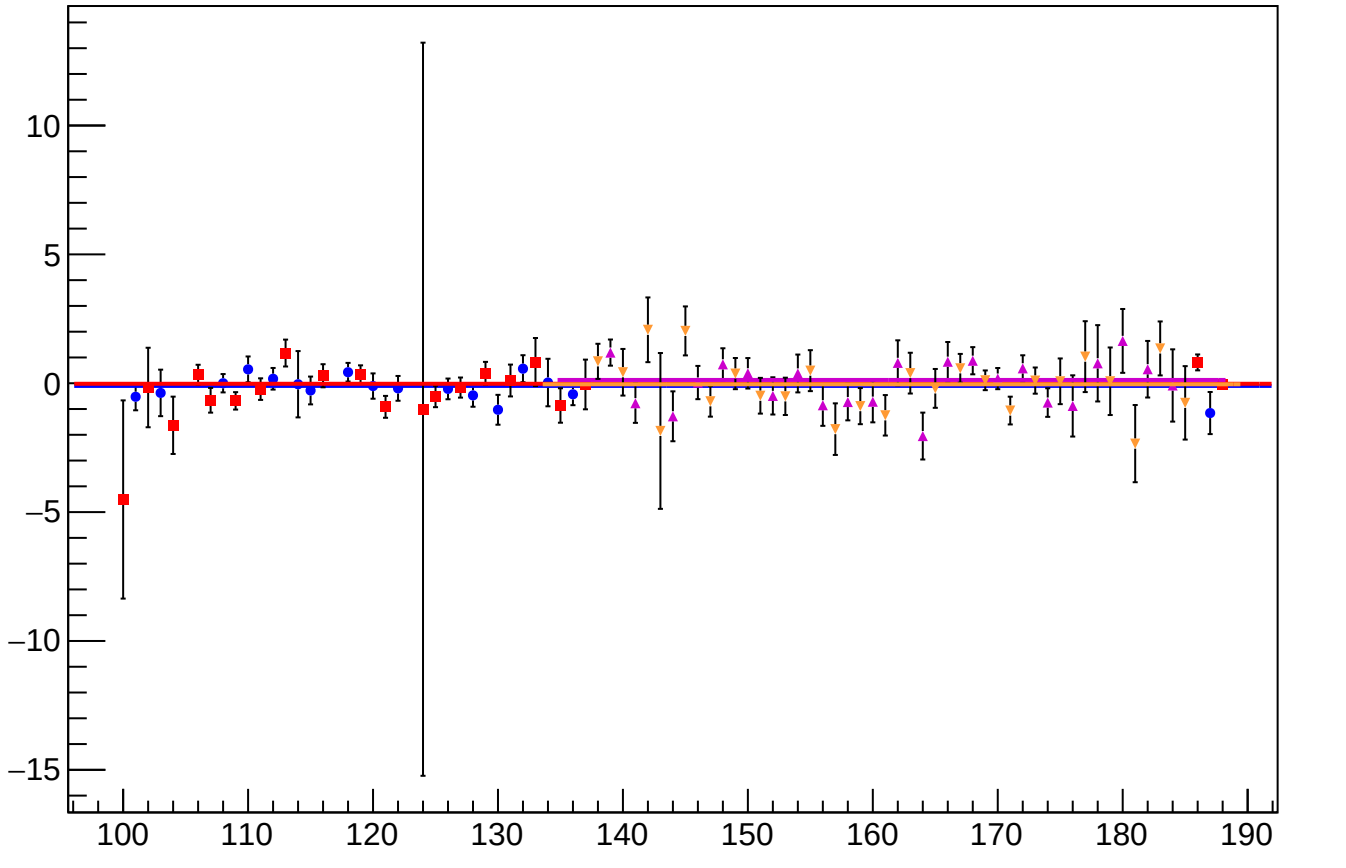
Right Out: 243.913+/-0.066 χ^2/NDF: 2524625.3/20

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 426.544+/-0.066 χ^2/NDF: 10155652.8/41

All: 378.793+/-0.043 χ^2/NDF: 24383926.1/85

- sign 344.796+/-0.056 χ^2/NDF: 13332133.2/43



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

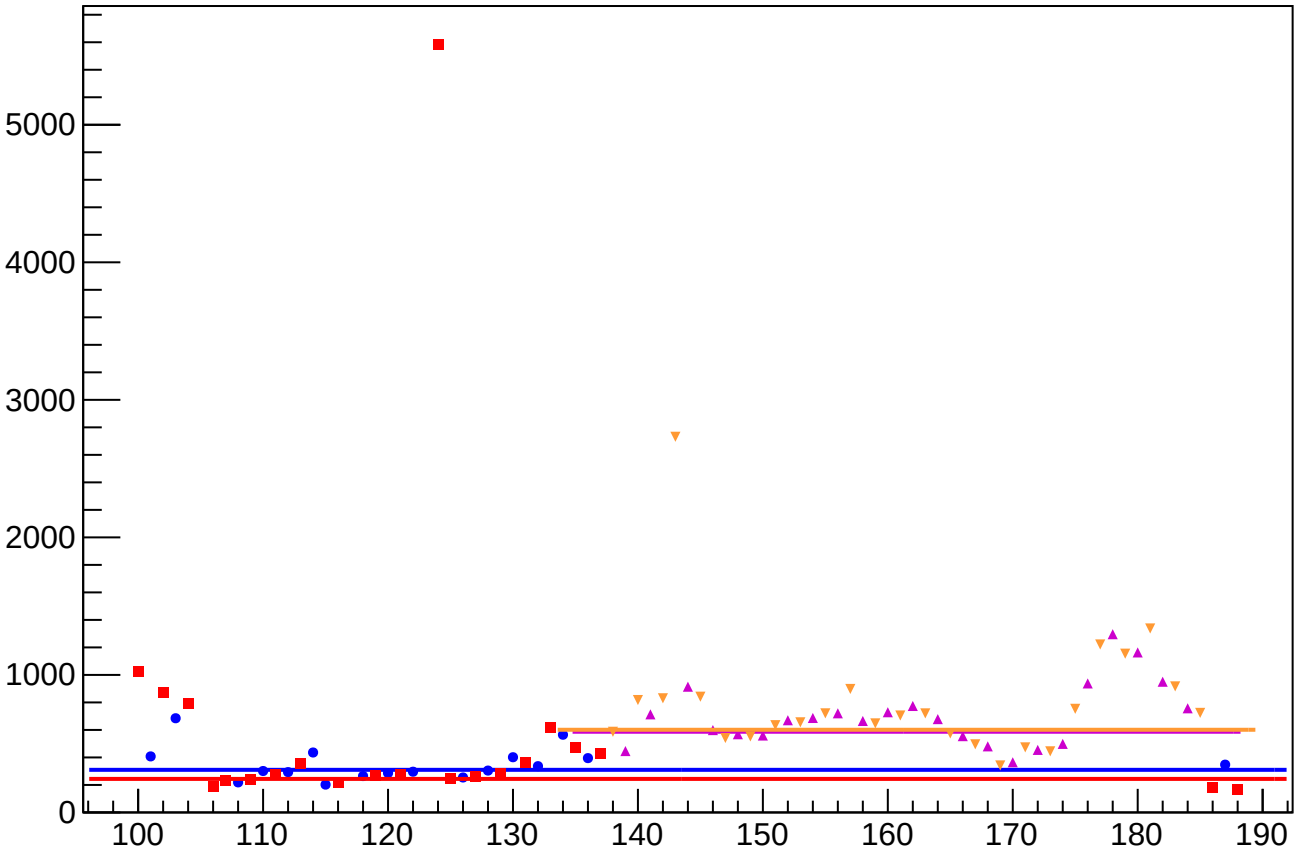
Right Out: -0.021+/-0.094 χ^2/NDF: 33.3/20

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.078+/-0.093 χ^2/NDF: 42.7/41

All: -0.019+/-0.060 χ^2/NDF: 106.5/85

- sign 0.023+/-0.079 χ^2/NDF: 63.1/43



Right In: 309.931+/-0.085 χ^2/NDF: 1018927.9/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 243.913+/-0.066 χ^2/NDF: 2524625.3/20

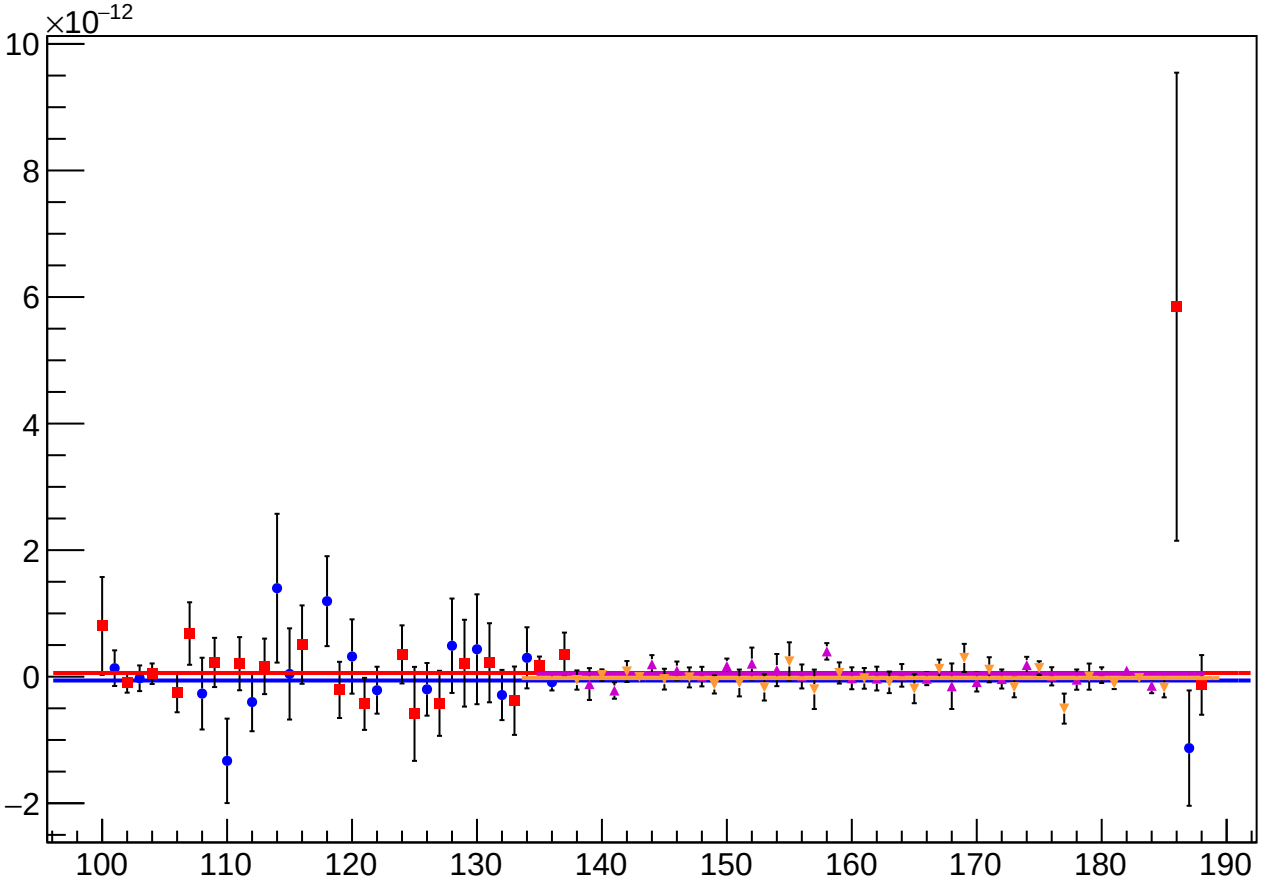
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 426.544+/-0.066 χ^2/NDF: 10155652.8/41

All: 378.793+/-0.043 χ^2/NDF: 24383926.1/85

- sign 344.796+/-0.056 χ^2/NDF: 13332133.2/43

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/20

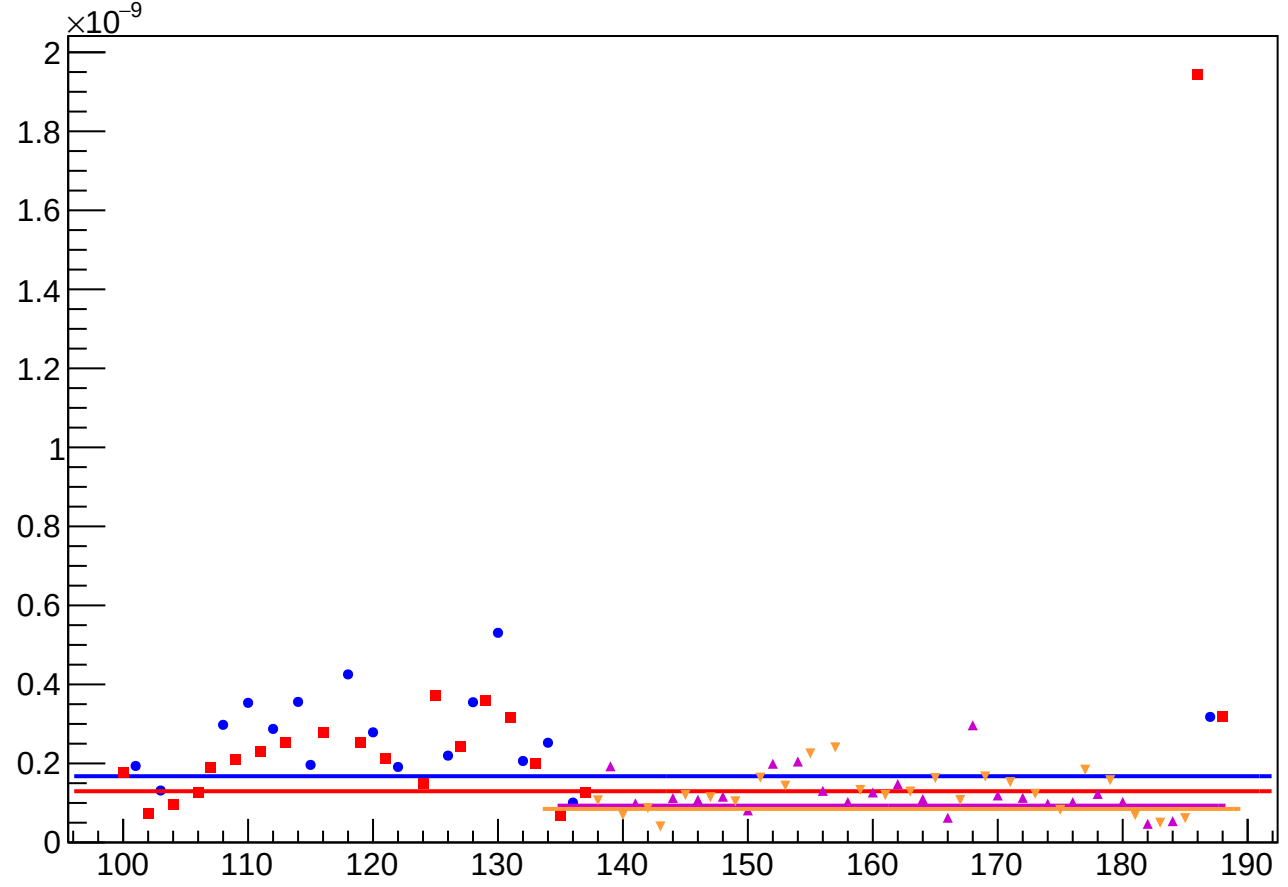
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.9/41

All: 0.000+/-0.000 χ^2/NDF: 70.0/85

- sign 0.000+/-0.000 χ^2/NDF: 36.1/43

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2038945.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3021904.1/20

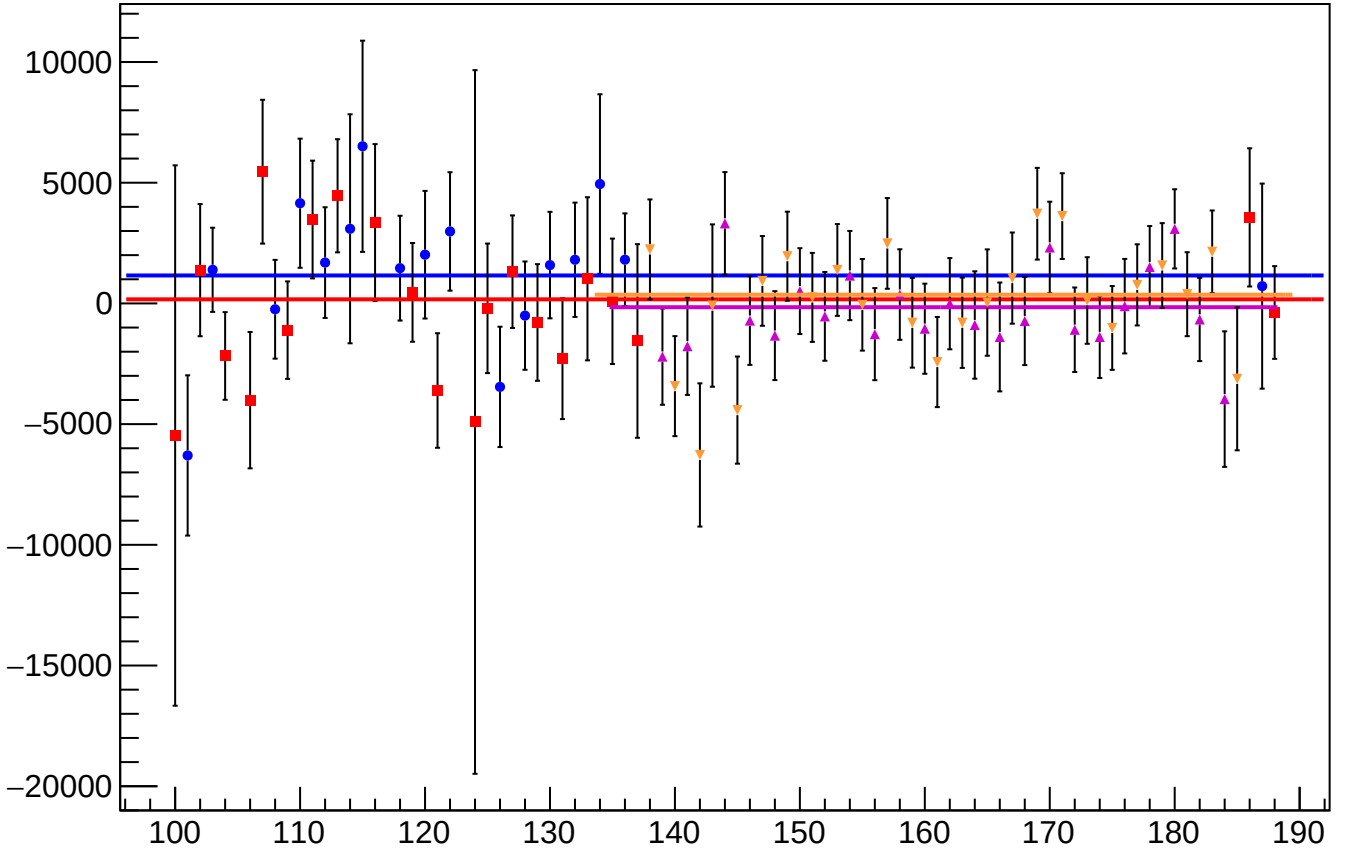
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9185661.9/41

All: 0.000+/-0.000 χ^2/NDF: 16611904.0/85

- sign 0.000+/-0.000 χ^2/NDF: 7366668.2/43

reg_asym_at2_dd_mean vs Slug



Right In: 1157.776+/-603.002 χ^2/NDF: 14.4/16

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 169.178+/-564.304 χ^2/NDF: 19.8/20

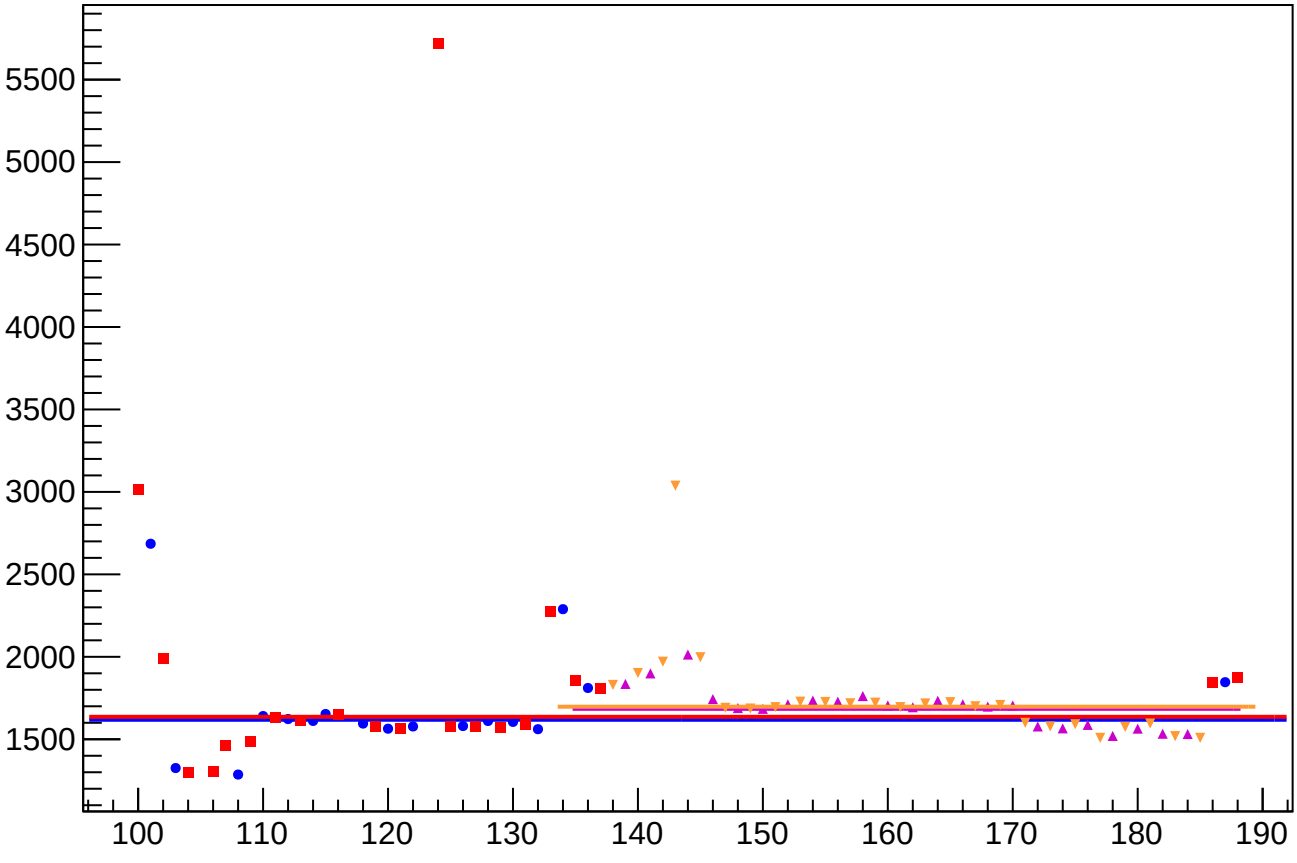
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 594.862+/-326.368 χ^2/NDF: 45.2/41

All: 269.264+/-229.646 χ^2/NDF: 83.3/85

- sign -50.028+/-323.191 χ^2/NDF: 36.1/43

reg_asym_at2_dd_rms vs Slug



Right In: 1618.359+/-0.426 χ^2/NDF: 410559.7/16

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1636.204+/-0.399 χ^2/NDF: 472992.9/20

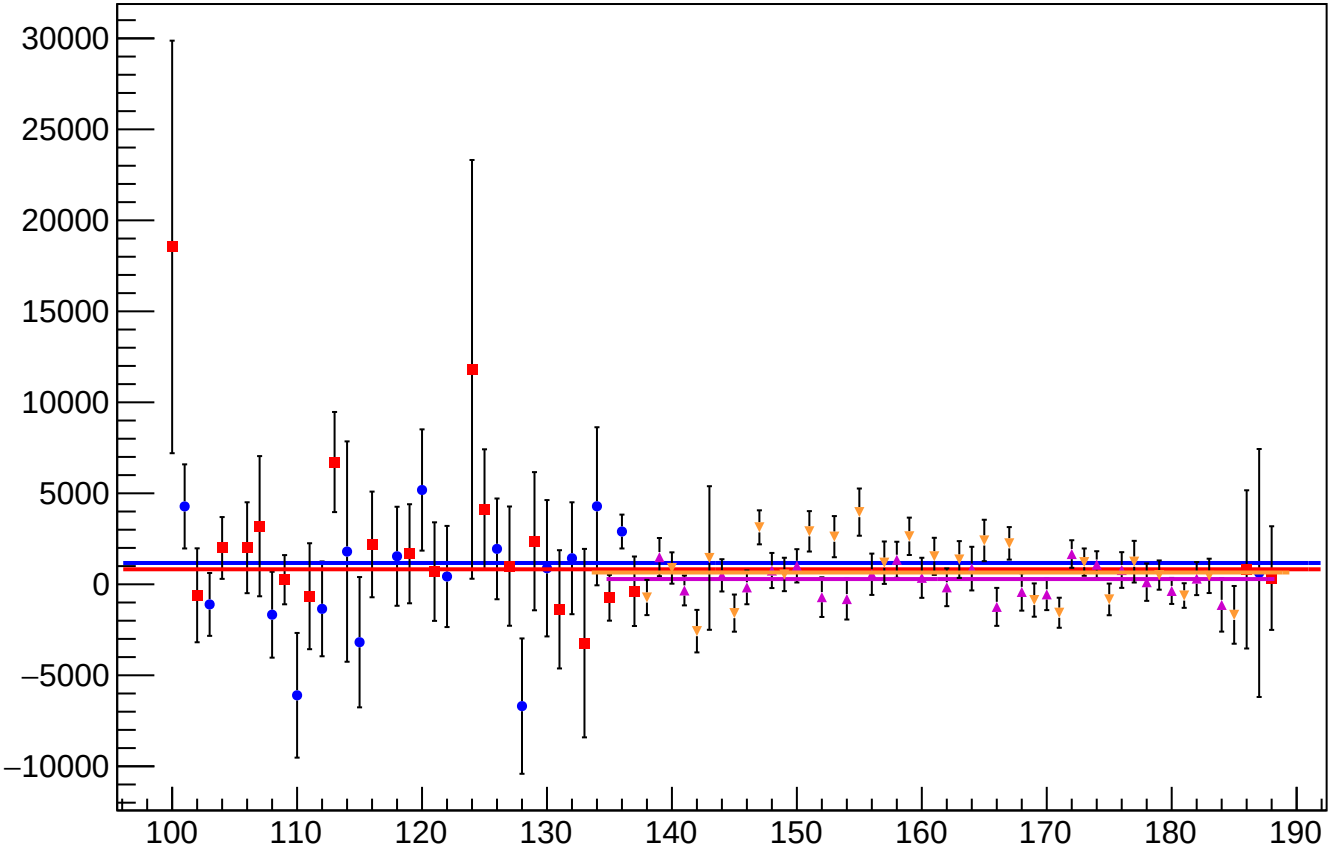
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1674.313+/-0.231 χ^2/NDF: 930313.5/41

All: 1671.484+/-0.162 χ^2/NDF: 1578835.7/85

- sign 1668.710+/-0.229 χ^2/NDF: 648224.5/43

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1171.509+/-576.982 χ^2/NDF: 22.0/16

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 825.244+/-542.775 χ^2/NDF: 14.3/20

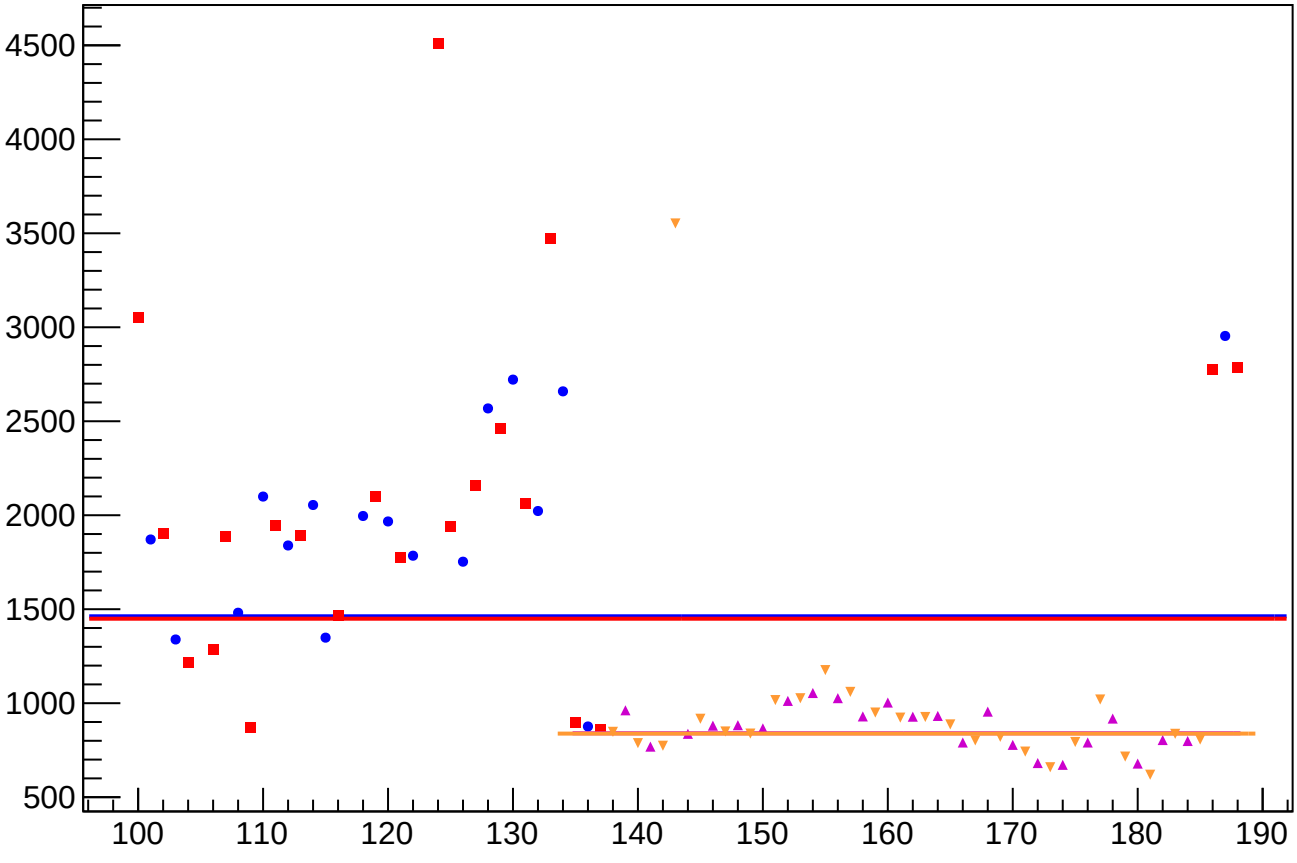
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 703.042+/-185.305 χ^2/NDF: 88.3/41

All: 528.533+/-131.423 χ^2/NDF: 121.7/85

- sign 351.918+/-186.419 χ^2/NDF: 31.7/43

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1462.404+/-0.408 χ^2/NDF: 1887357.5/16

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

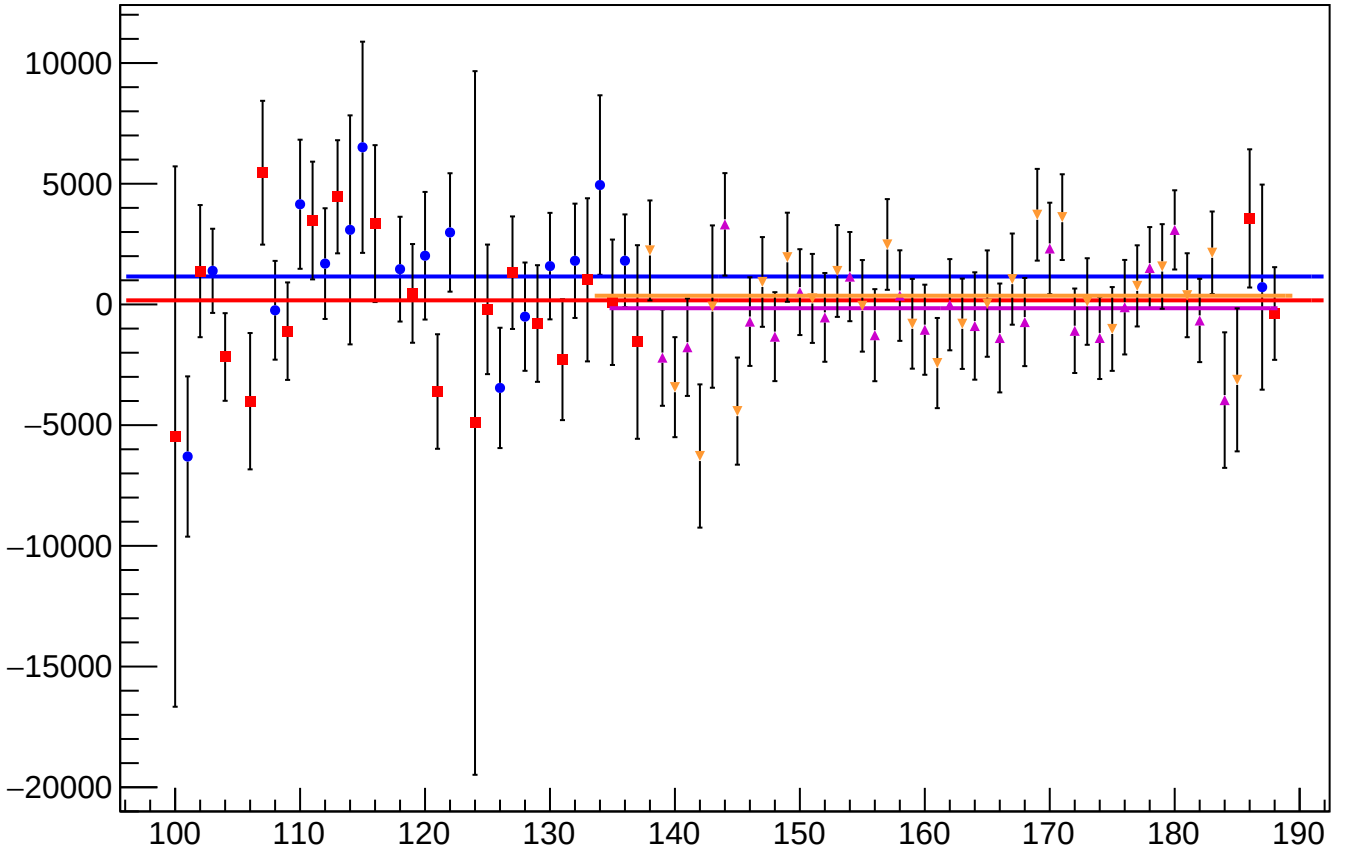
Right Out: 1449.513+/-0.384 χ^2/NDF: 2793457.5/20

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 902.622+/-0.131 χ^2/NDF: 5786641.3/41

All: 907.222+/-0.093 χ^2/NDF: 11476654.8/85

- sign 911.878+/-0.132 χ^2/NDF: 5687533.1/43



Right In: 1157.701+/-603.002 χ^2/NDF: 14.4/16

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 169.470+/-564.304 χ^2/NDF: 19.8/20

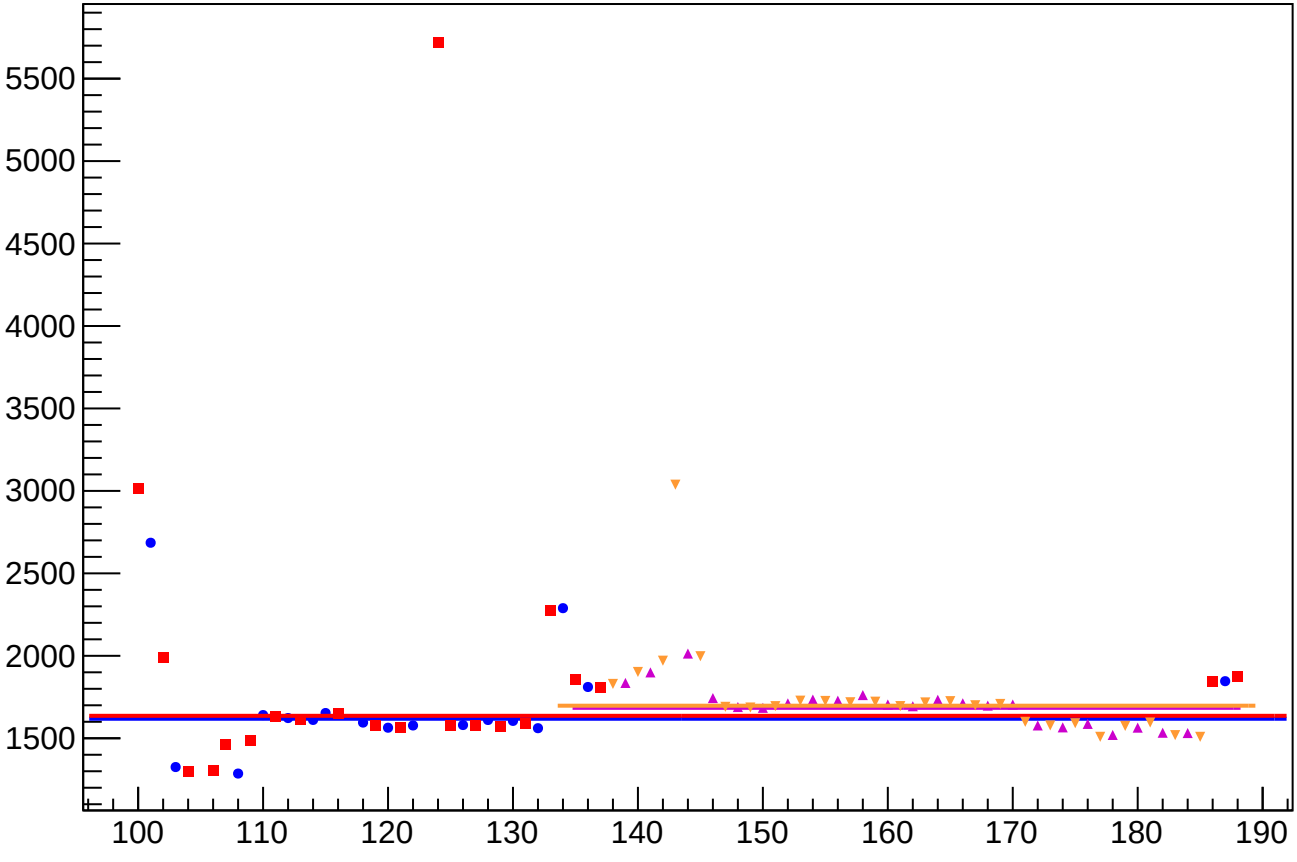
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 594.780+/-326.368 χ^2/NDF: 45.3/41

All: 269.303+/-229.646 χ^2/NDF: 83.3/85

- sign -49.869+/-323.191 χ^2/NDF: 36.1/43

cor_asym_at2_dd_rms vs Slug



Right In: 1618.359+/-0.426 χ^2/NDF: 410560.0/16

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1636.204+/-0.399 χ^2/NDF: 472993.0/20

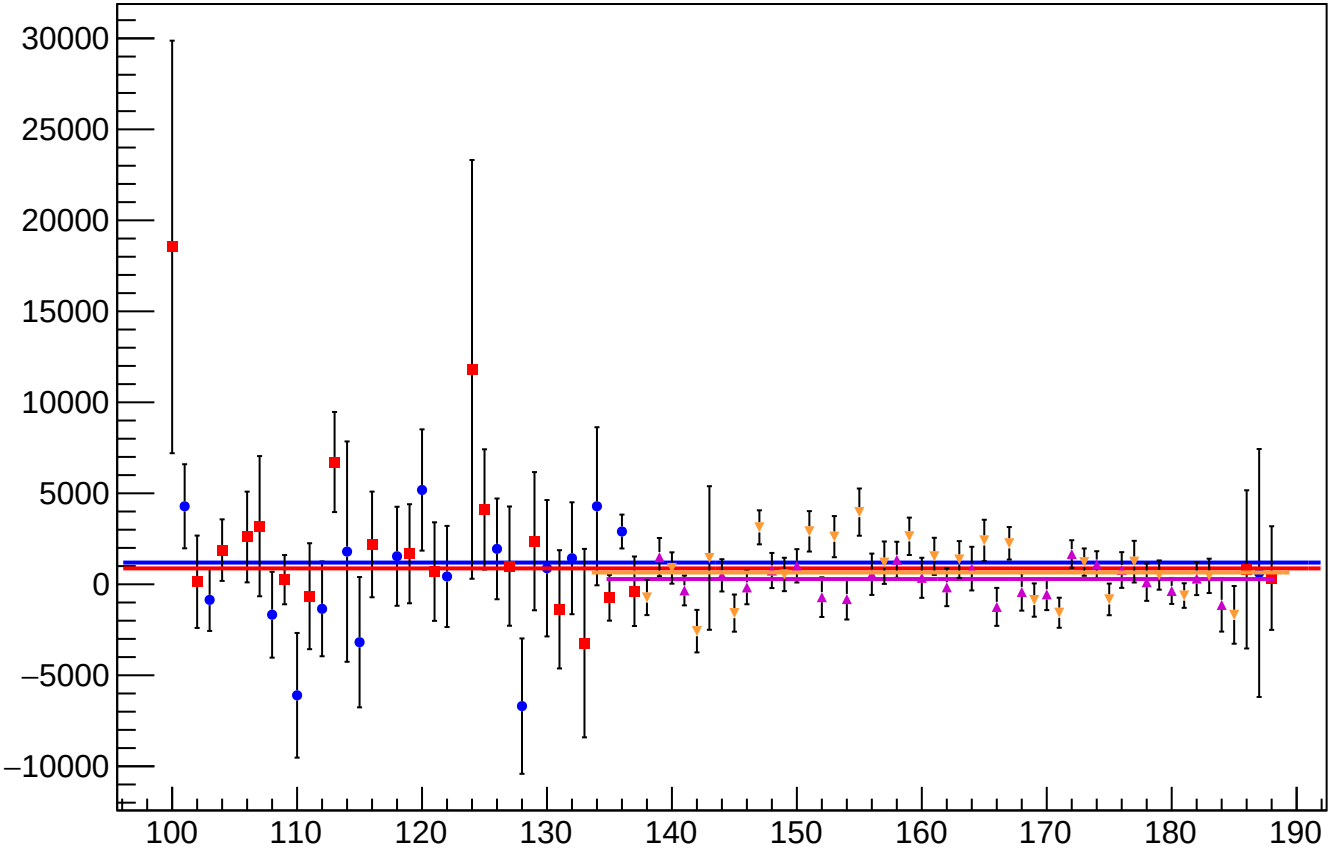
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1674.313+/-0.231 χ^2/NDF: 930313.8/41

All: 1671.484+/-0.162 χ^2/NDF: 1578836.1/85

- sign 1668.710+/-0.229 χ^2/NDF: 648224.6/43

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1194.216+/-576.169 χ^2/NDF: 21.7/16

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 874.236+/-542.062 χ^2/NDF: 14.2/20

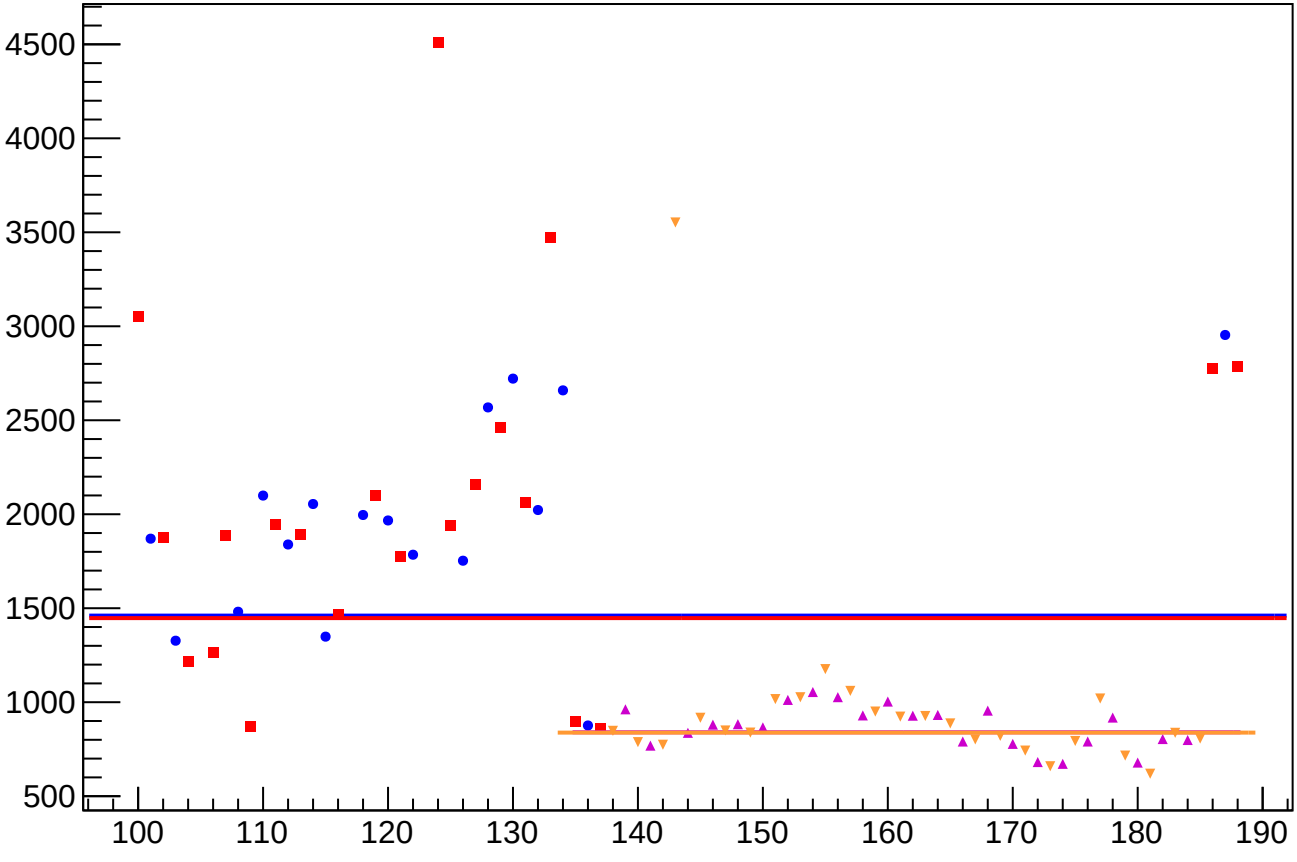
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 705.528+/-185.280 χ^2/NDF: 88.0/41

All: 532.726+/-131.404 χ^2/NDF: 121.6/85

- sign 357.845+/-186.391 χ^2/NDF: 31.8/43

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1460.693+/-0.407 χ^2/NDF: 1889409.2/16

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1447.394+/-0.383 χ^2/NDF: 2791113.2/20

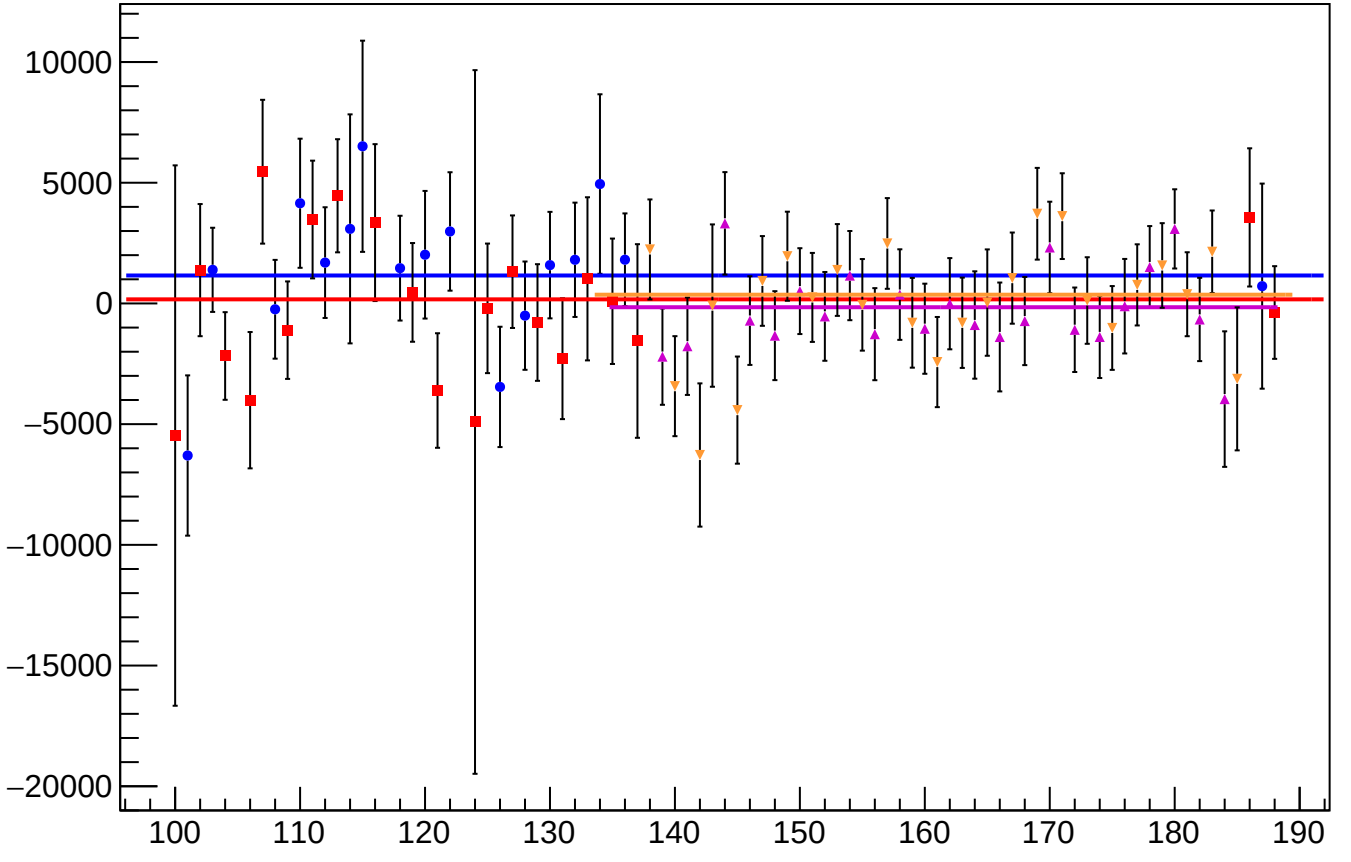
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 902.619+/-0.131 χ^2/NDF: 5782298.6/41

All: 907.181+/-0.093 χ^2/NDF: 11459591.7/85

- sign 911.797+/-0.132 χ^2/NDF: 5674854.1/43

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1157.701+/-603.002 χ^2/NDF: 14.4/16

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 169.470+/-564.304 χ^2/NDF: 19.8/20

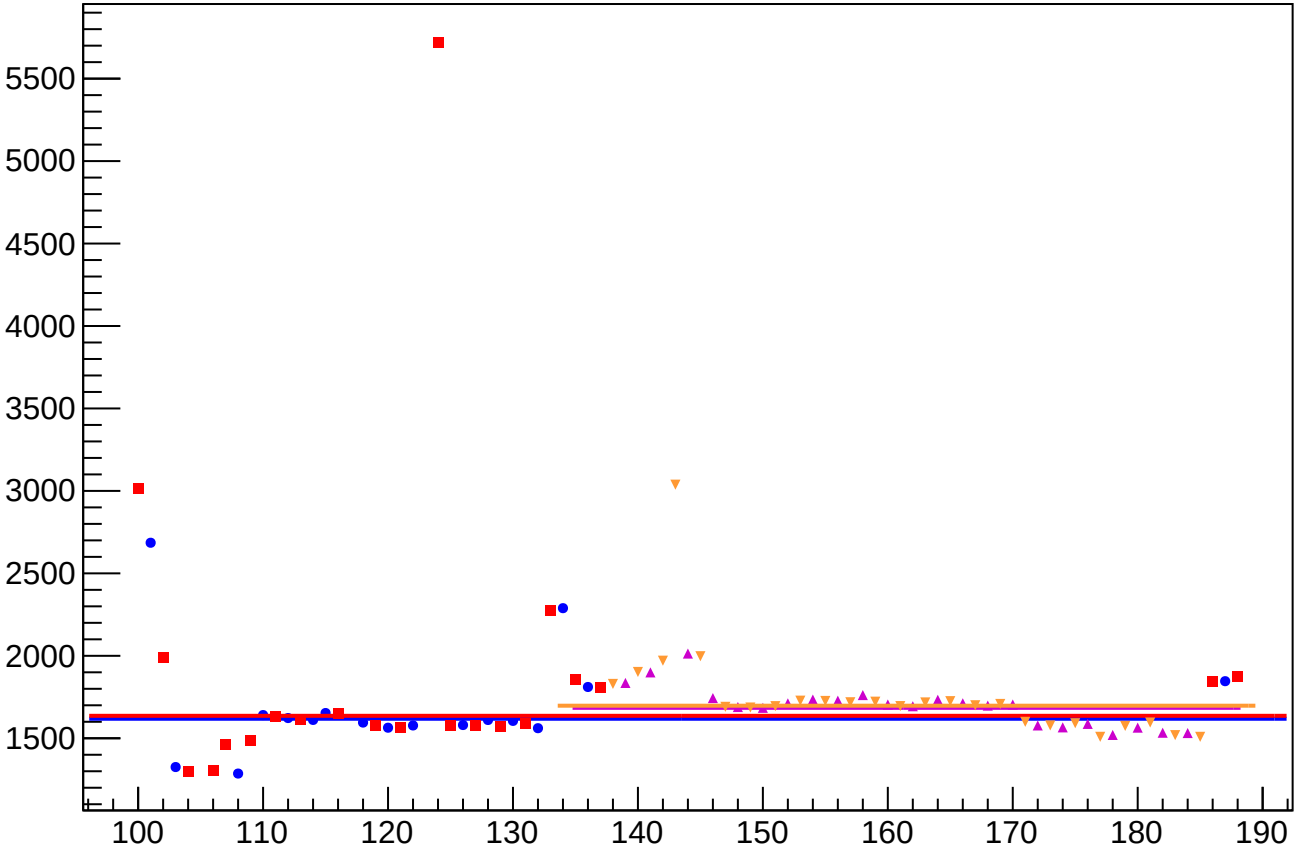
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 594.780+/-326.368 χ^2/NDF: 45.3/41

All: 269.303+/-229.646 χ^2/NDF: 83.3/85

- sign -49.869+/-323.191 χ^2/NDF: 36.1/43

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1618.359+/-0.426 χ^2/NDF: 410560.0/16

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1636.204+/-0.399 χ^2/NDF: 472993.0/20

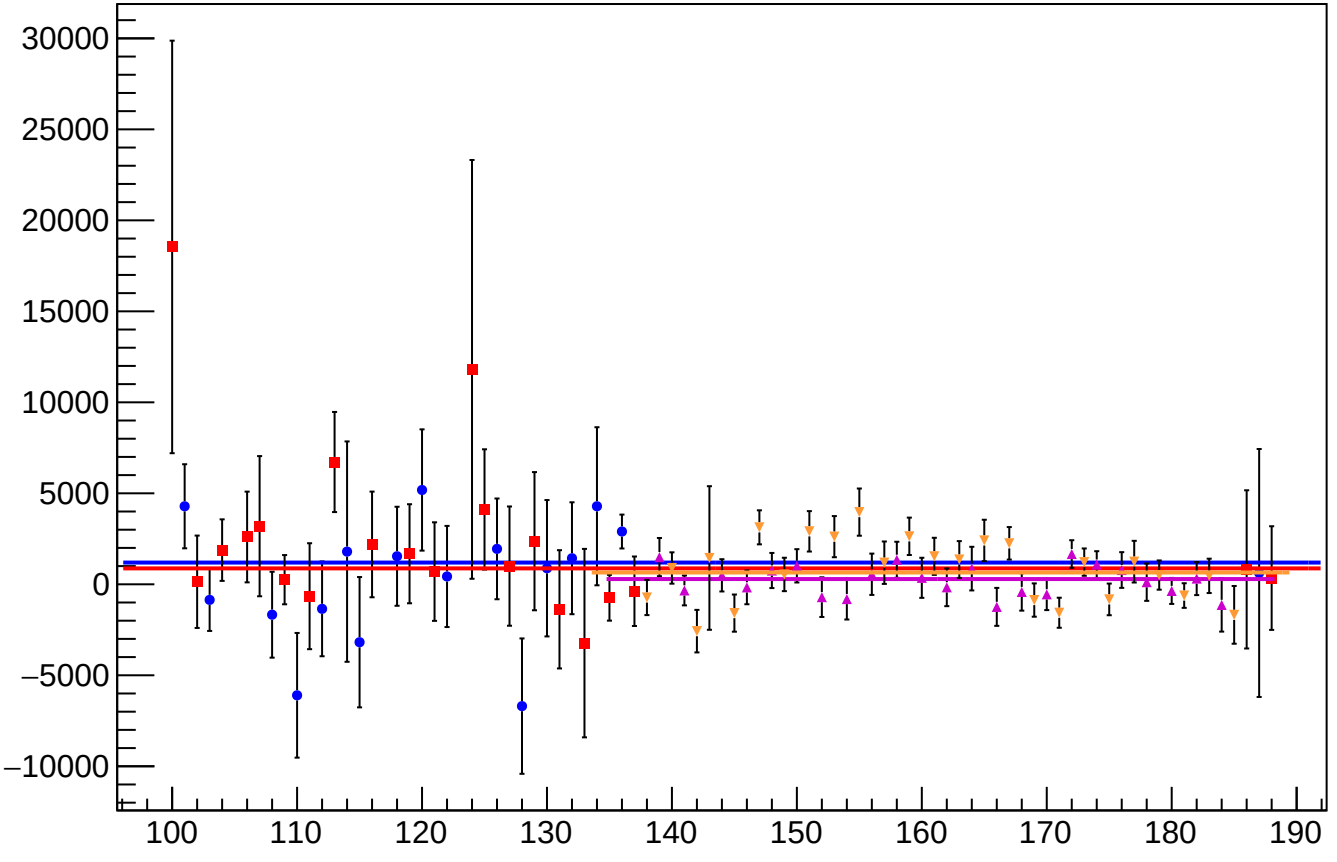
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1674.313+/-0.231 χ^2/NDF: 930313.8/41

All: 1671.484+/-0.162 χ^2/NDF: 1578836.1/85

- sign 1668.710+/-0.229 χ^2/NDF: 648224.6/43

asym_at2_dd_eigen_cor_correction_mean vs Slug



Right In: 1194.216+/-576.169 χ^2/NDF: 21.7/16

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 874.236+/-542.062 χ^2/NDF: 14.2/20

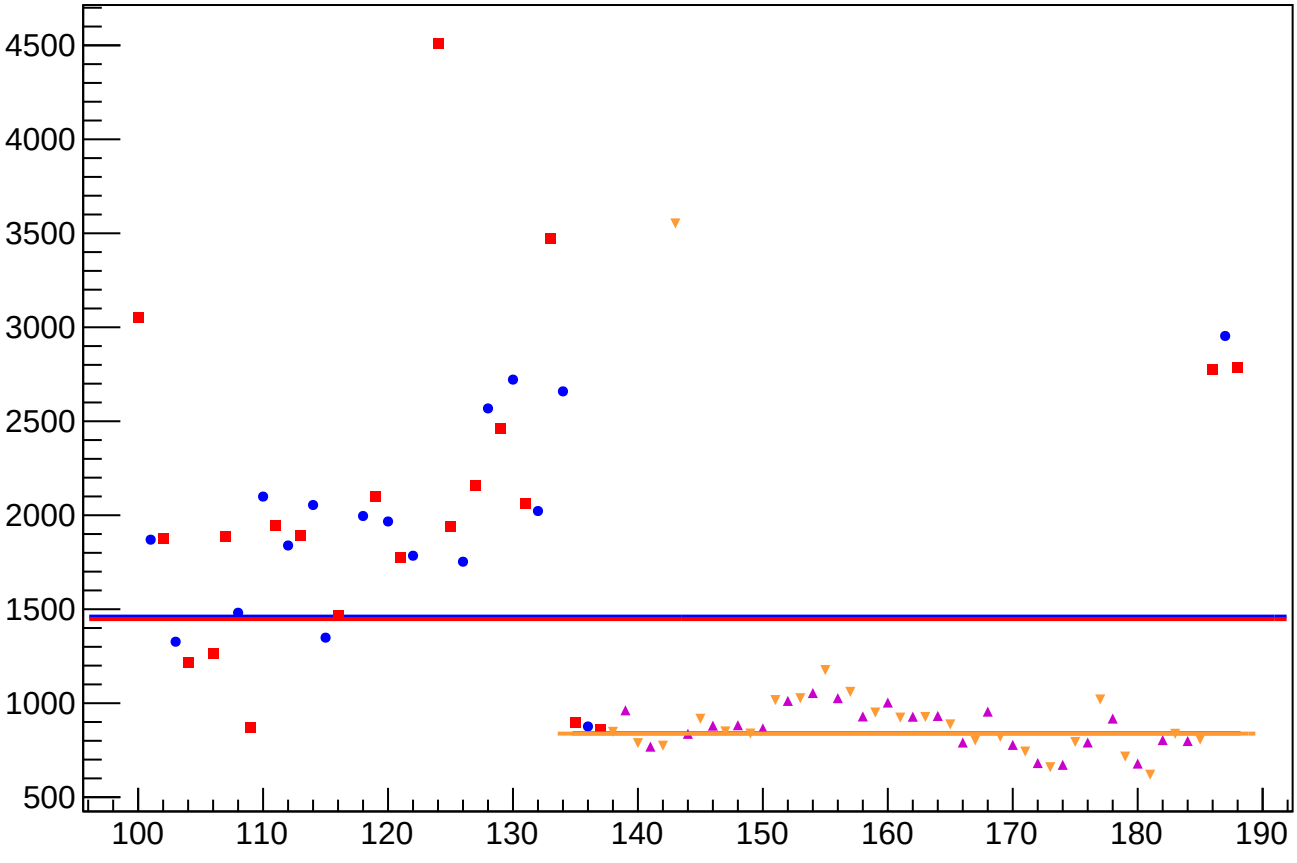
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 705.528+/-185.280 χ^2/NDF: 88.0/41

All: 532.726+/-131.404 χ^2/NDF: 121.6/85

- sign 357.845+/-186.391 χ^2/NDF: 31.8/43

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1460.693+/-0.407 χ^2/NDF: 1889409.2/16

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1447.394+/-0.383 χ^2/NDF: 2791113.2/20

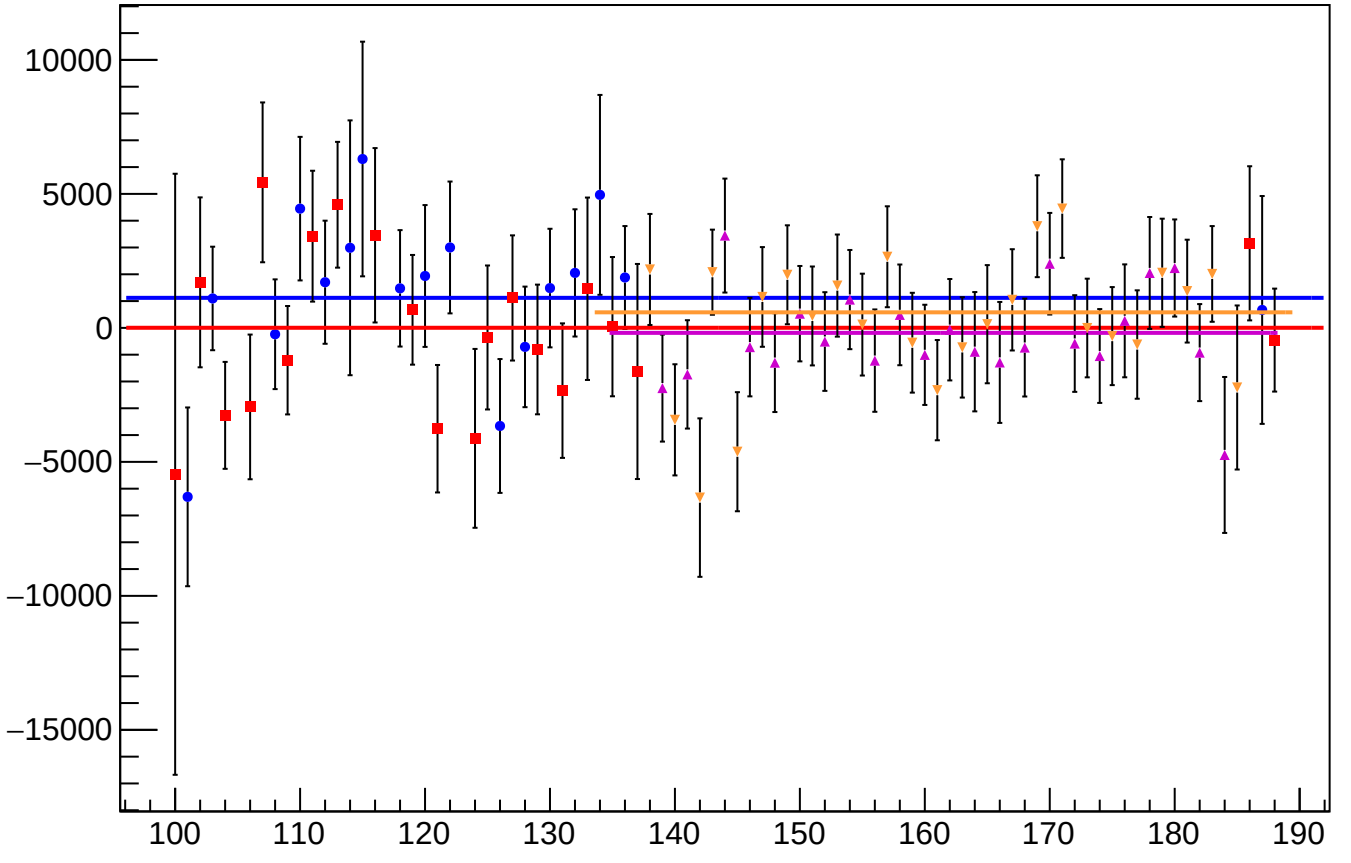
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 902.619+/-0.131 χ^2/NDF: 5782298.6/41

All: 907.181+/-0.093 χ^2/NDF: 11459591.7/85

- sign 911.797+/-0.132 χ^2/NDF: 5674854.1/43

dit_asym_at2_dd_mean vs Slug



Right In: 1121.200+/-610.832 χ^2/NDF: 15.0/16

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 4.067+/-564.208 χ^2/NDF: 22.0/20

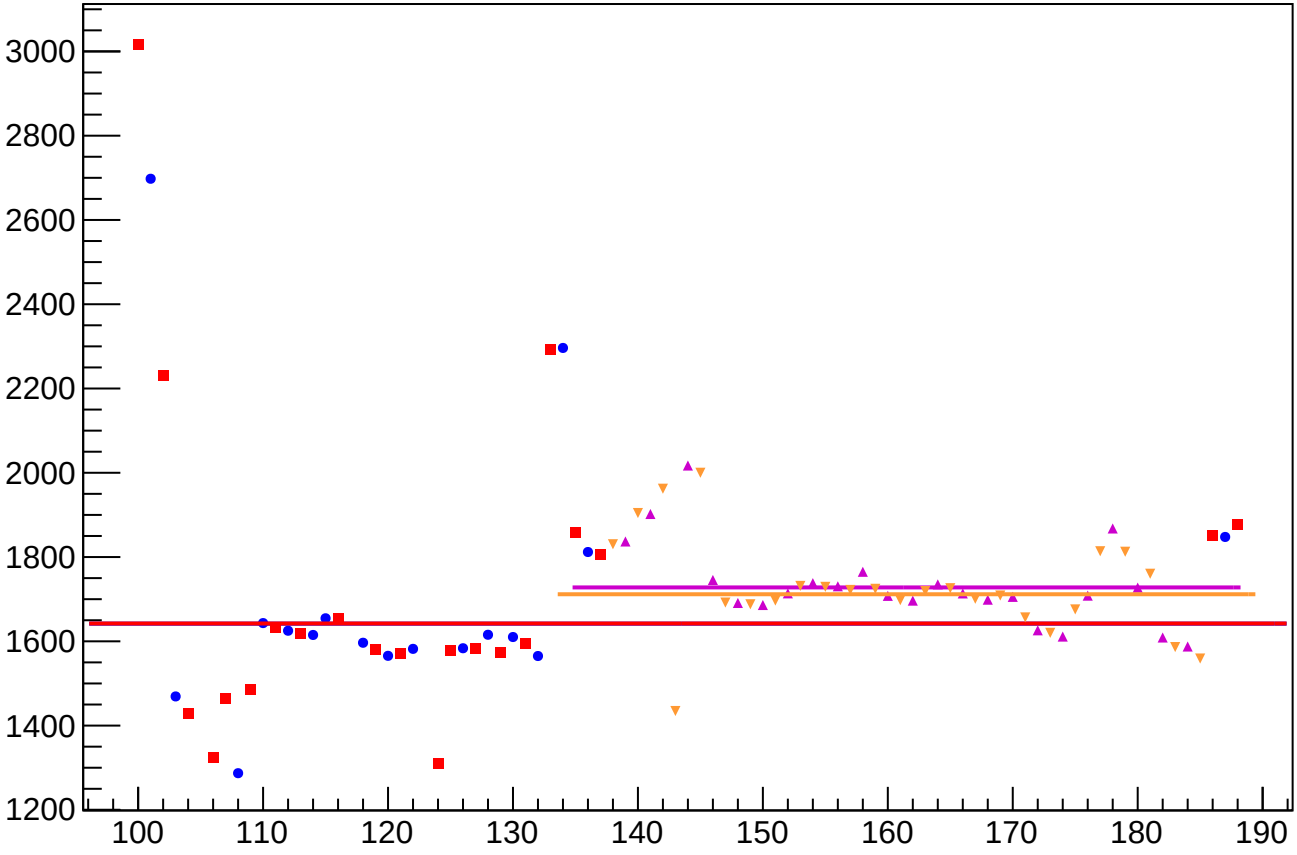
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 736.810+/-328.575 χ^2/NDF: 47.5/41

All: 307.614+/-232.320 χ^2/NDF: 87.4/85

- sign -121.450+/-328.525 χ^2/NDF: 36.5/43

dit_asym_at2_dd_rms vs Slug



Right In: 1641.912+/-0.432 χ^2/NDF: 366202.1/16

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1642.292+/-0.399 χ^2/NDF: 326782.2/20

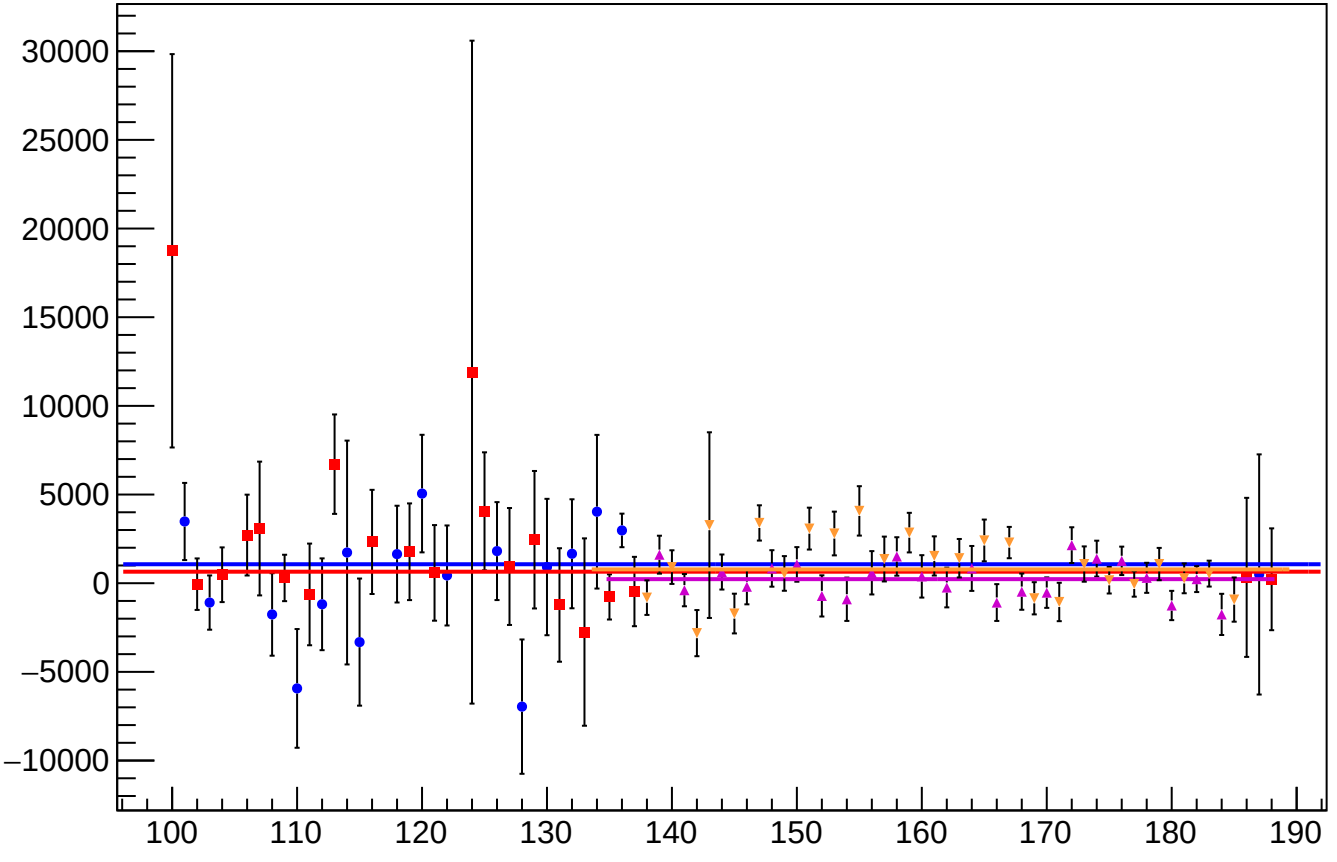
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1691.515+/-0.232 χ^2/NDF: 552767.4/41

All: 1695.199+/-0.164 χ^2/NDF: 1010722.0/85

- sign 1698.883+/-0.232 χ^2/NDF: 457451.7/43

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1069.496+/-569.583 χ^2/NDF: 22.0/16

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 649.201+/-511.626 χ^2/NDF: 13.6/20

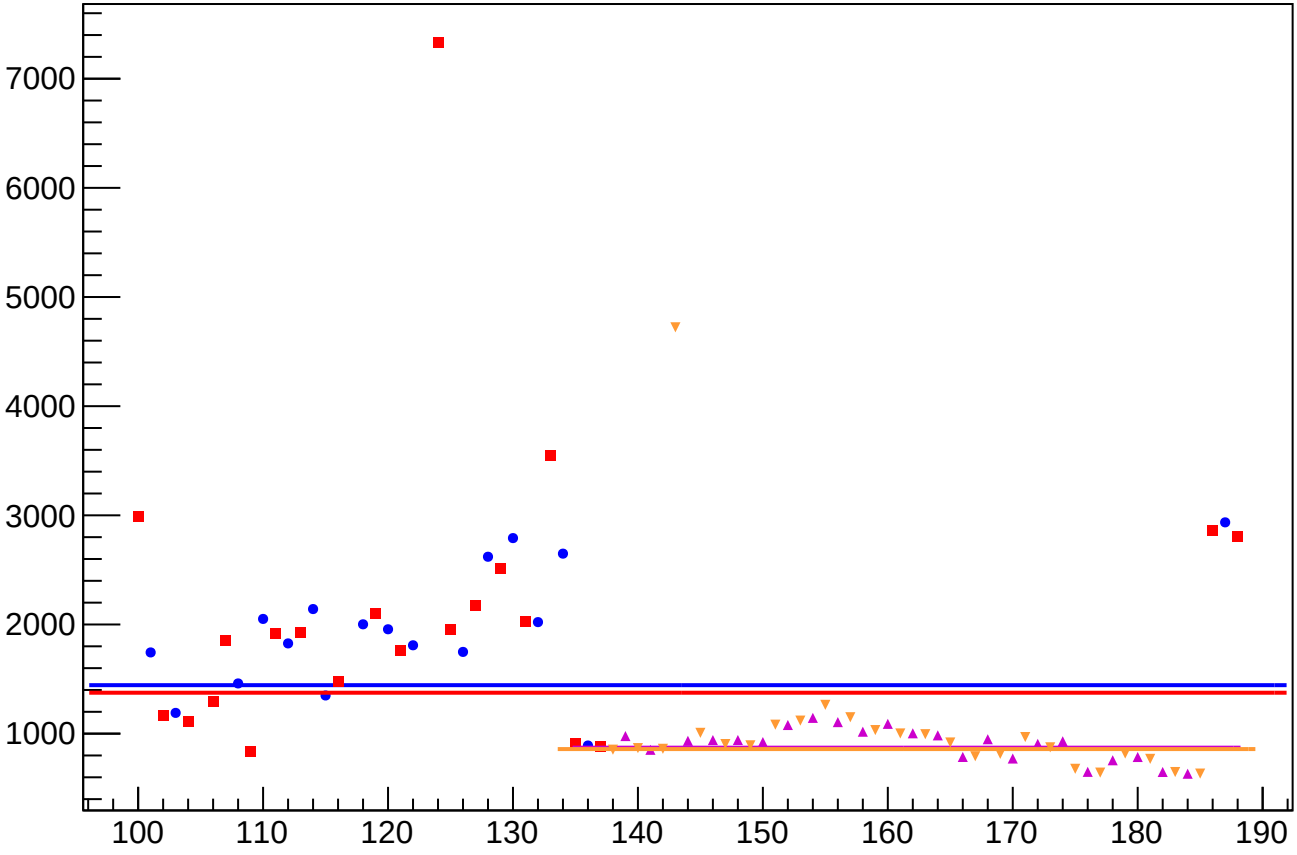
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 811.329+/-190.081 χ^2/NDF: 76.8/41

All: 551.749+/-134.960 χ^2/NDF: 117.3/85

- sign 287.859+/-191.653 χ^2/NDF: 36.8/43

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1444.105+/-0.403 χ^2/NDF: 1861221.0/16

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1374.840+/-0.362 χ^2/NDF: 2937379.1/20

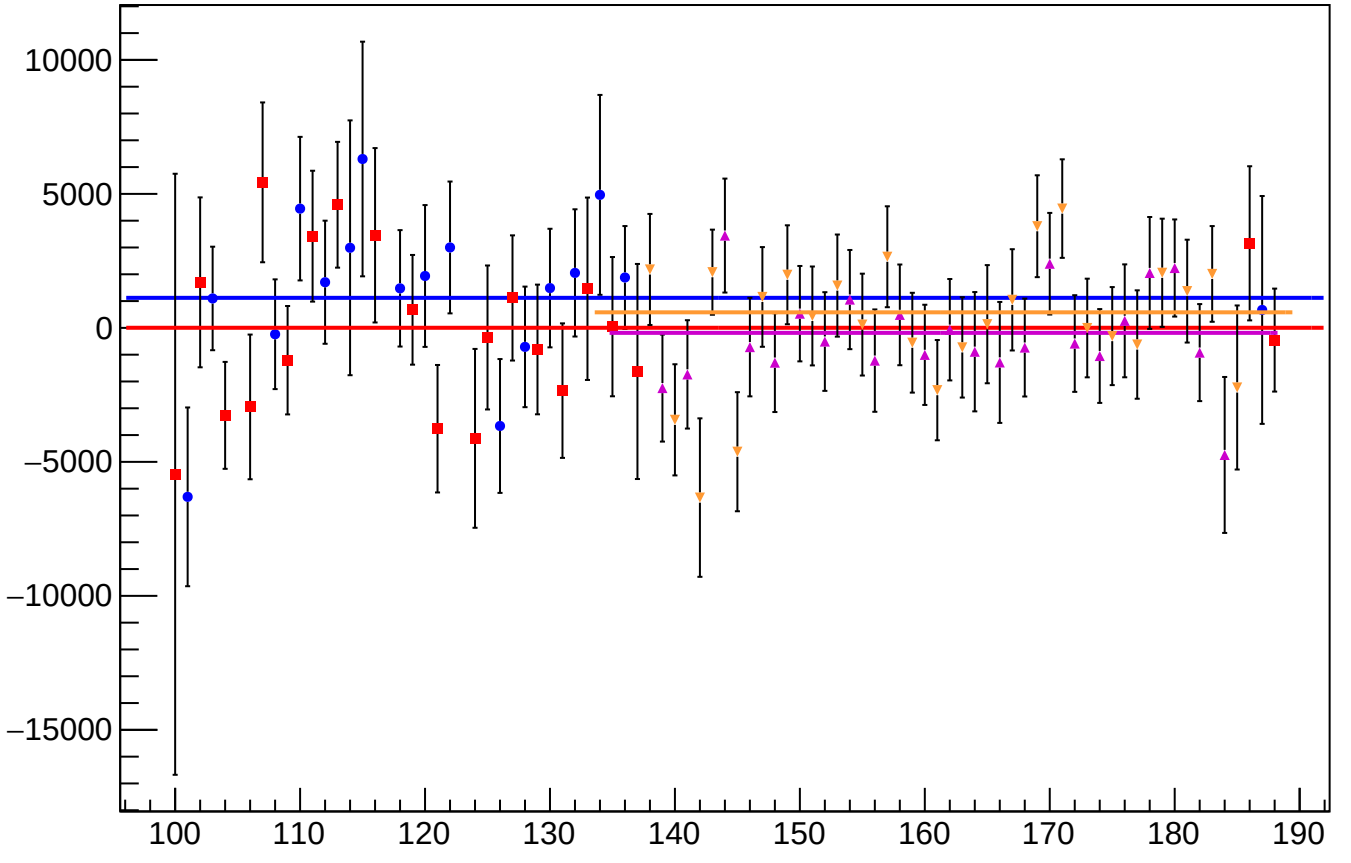
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 923.801+/-0.134 χ^2/NDF: 6019058.0/41

All: 932.901+/-0.095 χ^2/NDF: 11608983.4/85

- sign 942.153+/-0.136 χ^2/NDF: 5580680.7/43

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 1121.202+/-610.832 χ^2/NDF: 15.0/16

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 4.064+/-564.208 χ^2/NDF: 22.0/20

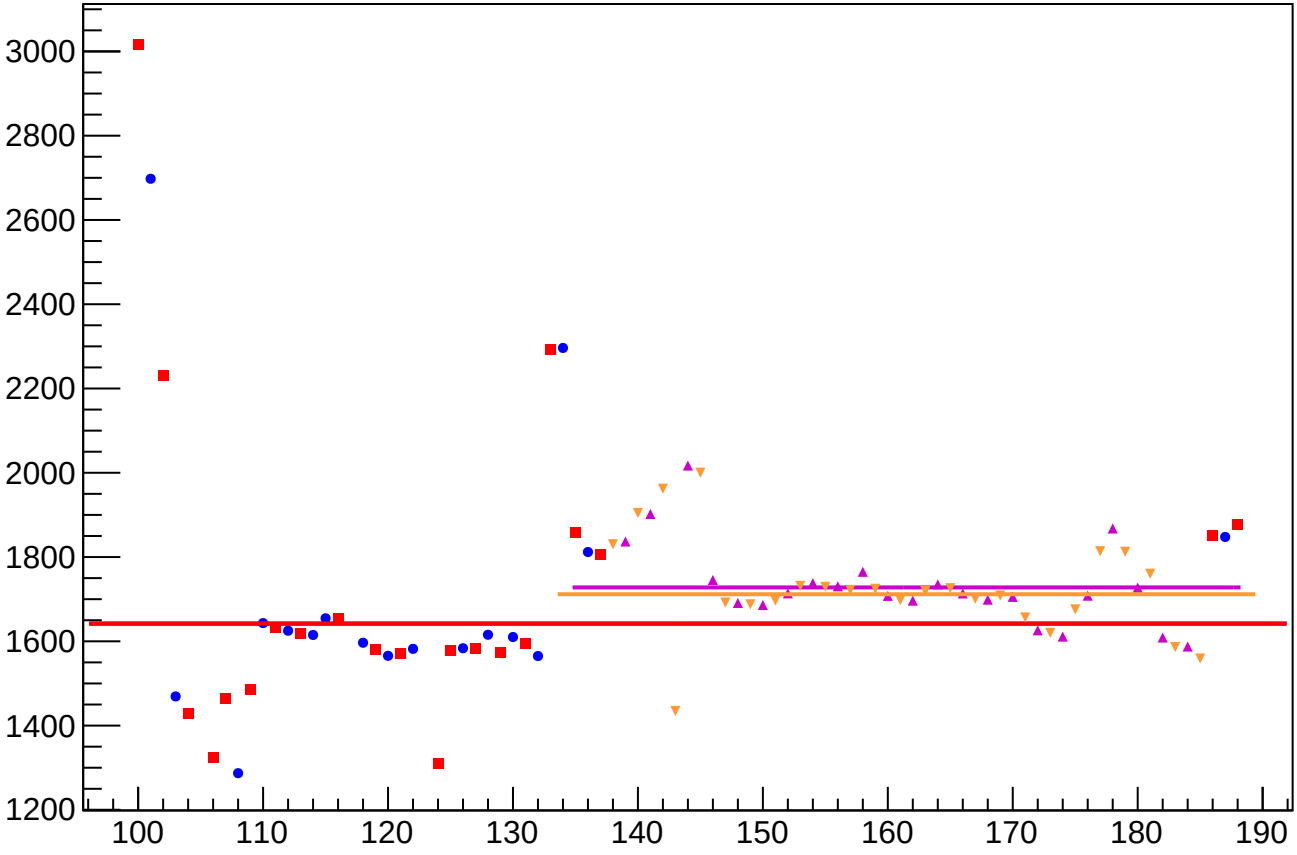
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 736.807+/-328.575 χ^2/NDF: 47.5/41

All: 307.612+/-232.320 χ^2/NDF: 87.4/85

- sign -121.452+/-328.525 χ^2/NDF: 36.5/43

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1641.912+/-0.432 χ^2/NDF: 366202.0/16

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1642.292+/-0.399 χ^2/NDF: 326782.5/20

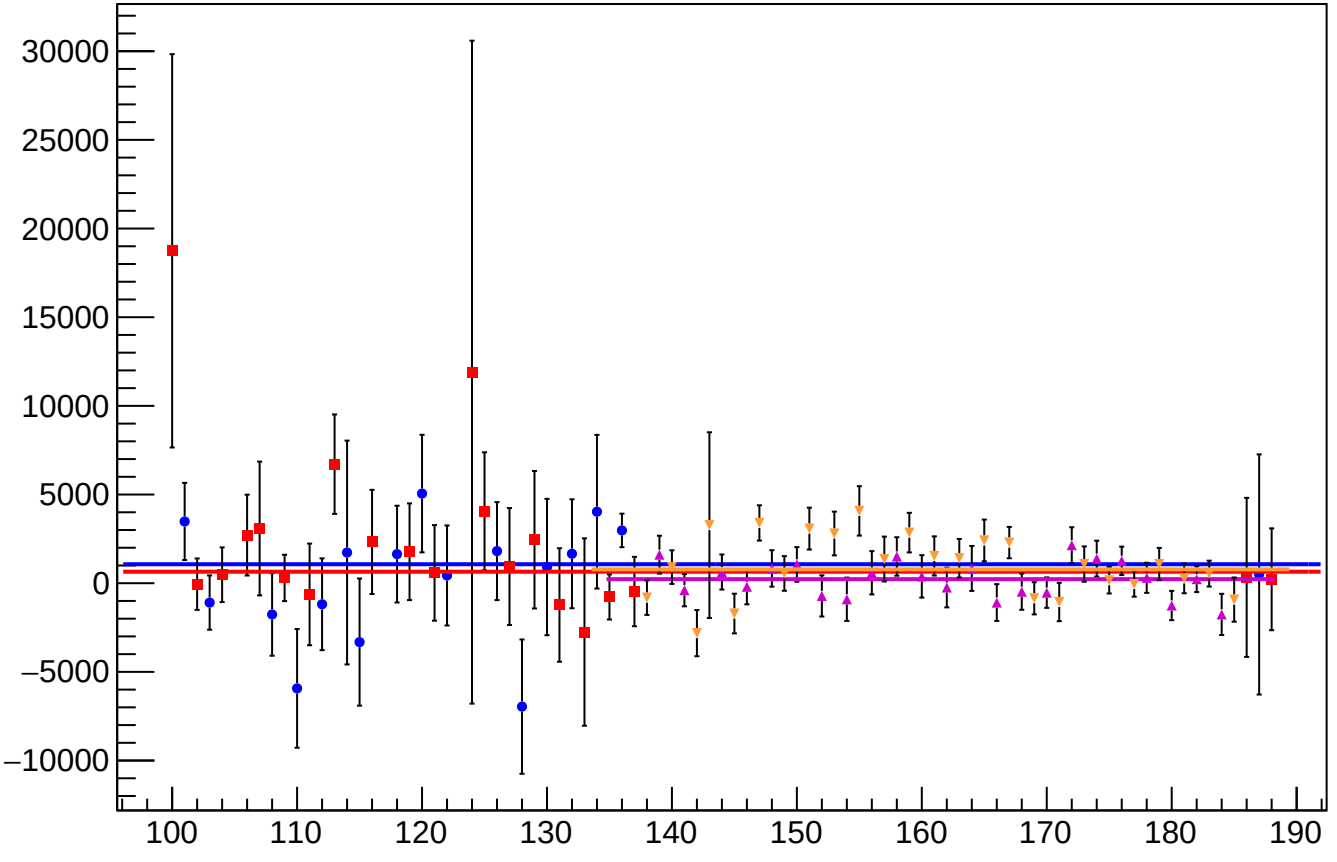
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1691.515+/-0.232 χ^2/NDF: 552765.9/41

All: 1695.199+/-0.164 χ^2/NDF: 1010720.6/85

- sign 1698.883+/-0.232 χ^2/NDF: 457451.8/43

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1069.485+/-569.587 χ^2/NDF: 22.0/16

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 649.213+/-511.629 χ^2/NDF: 13.6/20

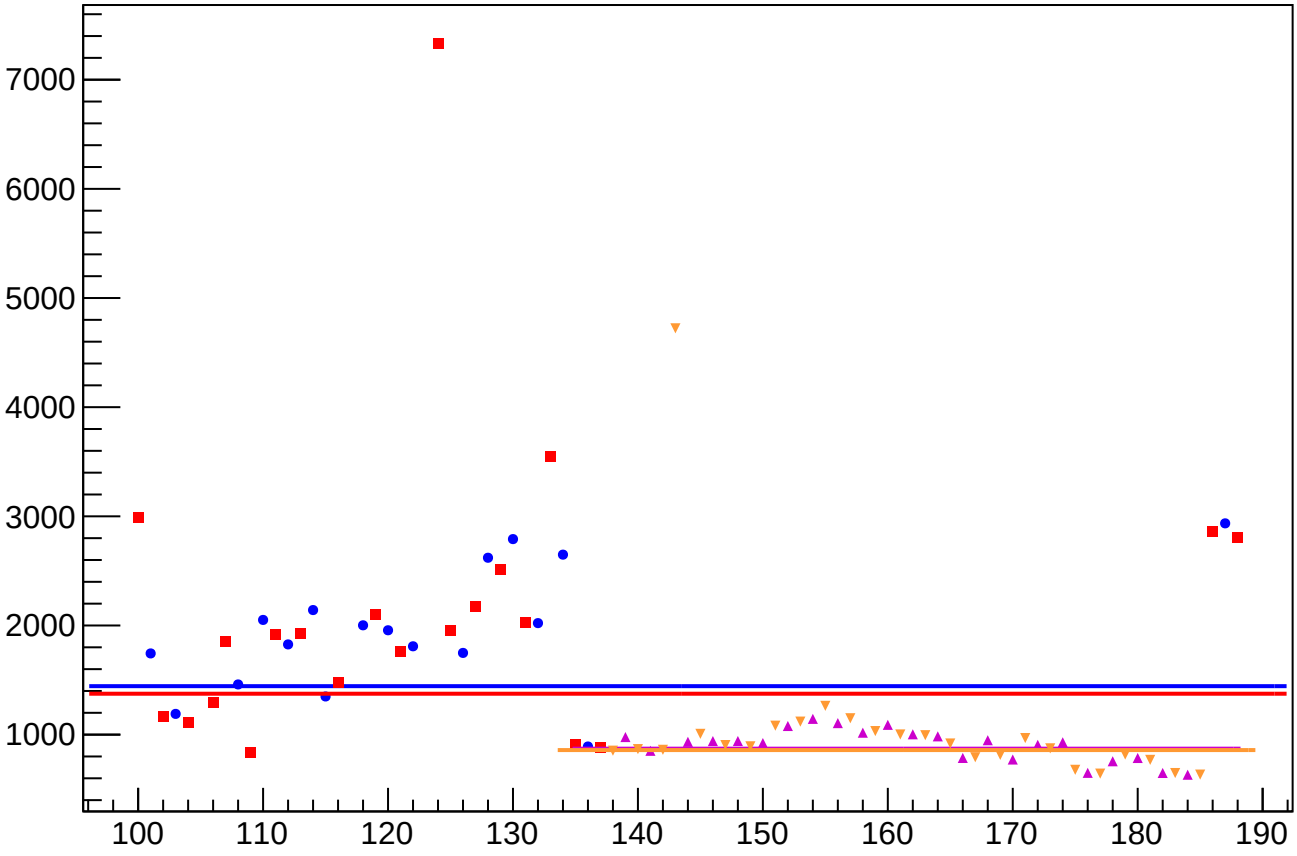
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 811.330+/-190.082 χ^2/NDF: 76.8/41

All: 551.749+/-134.960 χ^2/NDF: 117.3/85

- sign 287.858+/-191.653 χ^2/NDF: 36.8/43

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1444.121+/-0.403 χ^2/NDF: 1861125.7/16

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

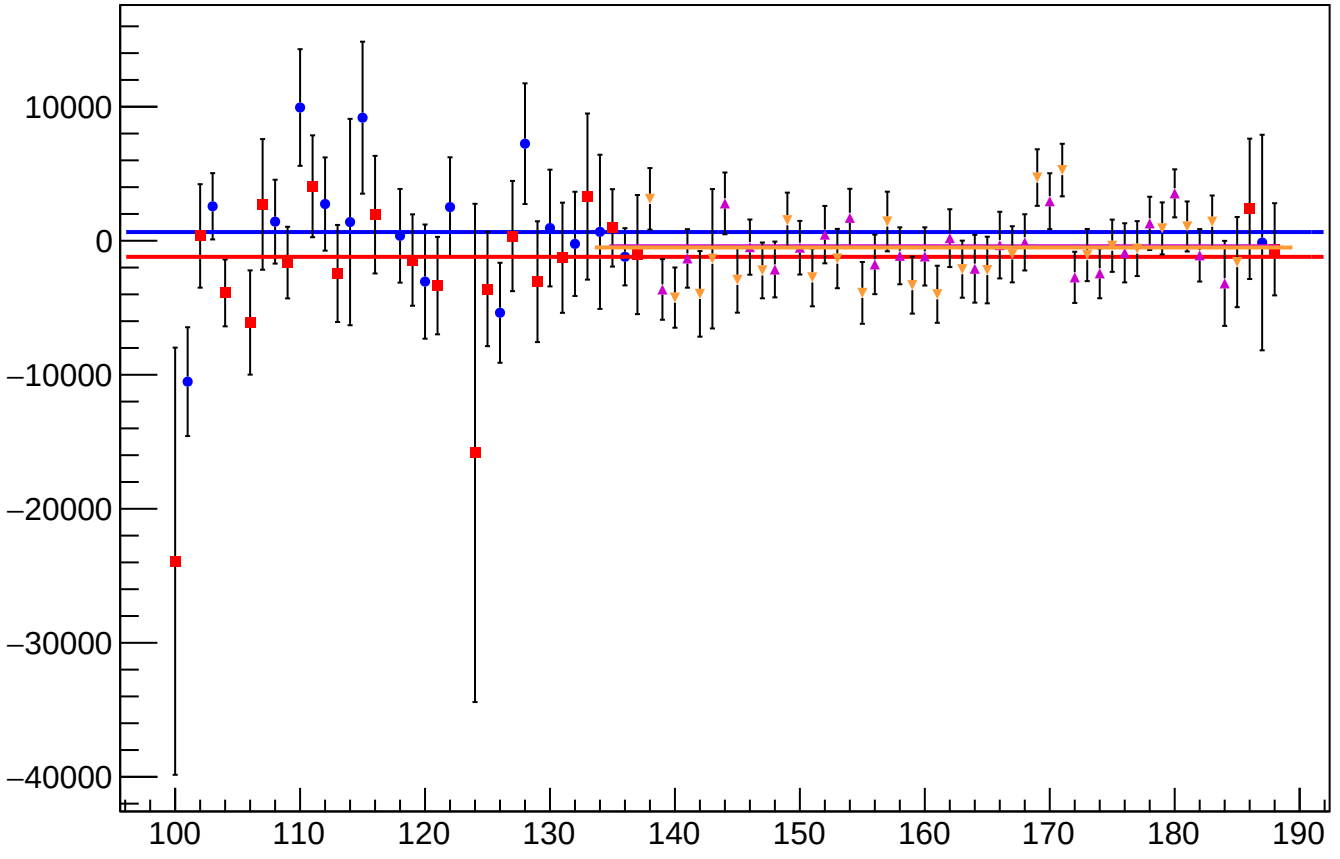
Right Out: 1374.854+/-0.362 χ^2/NDF: 2937299.6/20

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 923.802+/-0.134 χ^2/NDF: 6019028.1/41

All: 932.902+/-0.095 χ^2/NDF: 11608954.1/85

- sign 942.153+/-0.136 χ^2/NDF: 5580682.4/43



Right In: 649.446+/-903.807 χ^2/NDF: 22.0/16

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1200.583+/-850.686 χ^2/NDF: 11.3/20

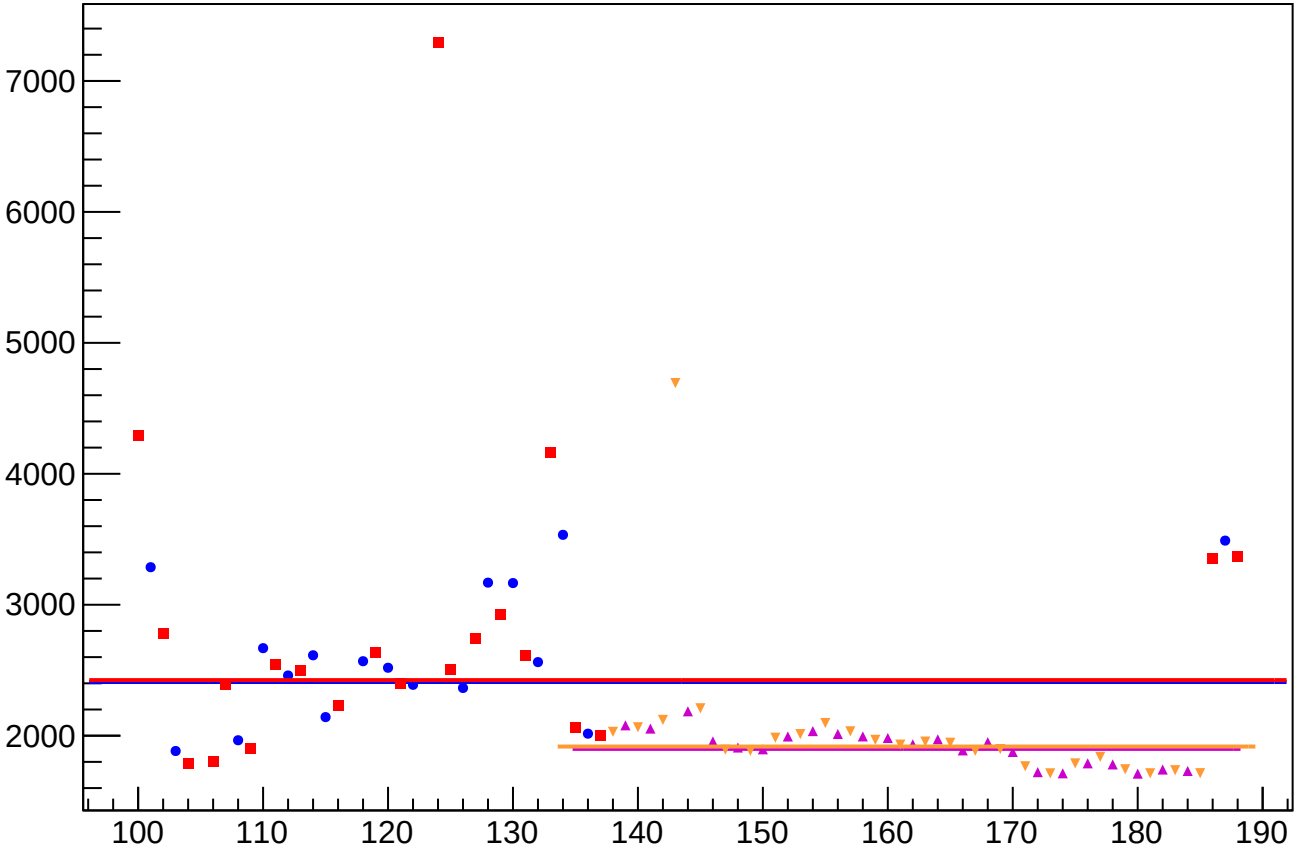
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -281.067+/-395.549 χ^2/NDF: 59.2/41

All: -431.437+/-279.150 χ^2/NDF: 90.4/85

- sign -580.640+/-394.012 χ^2/NDF: 30.9/43

asym_at2_dd_rms vs Slug



Right In: 2410.089+/-0.639 χ^2/NDF: 544413.2/16

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2424.528+/-0.602 χ^2/NDF: 914482.8/20

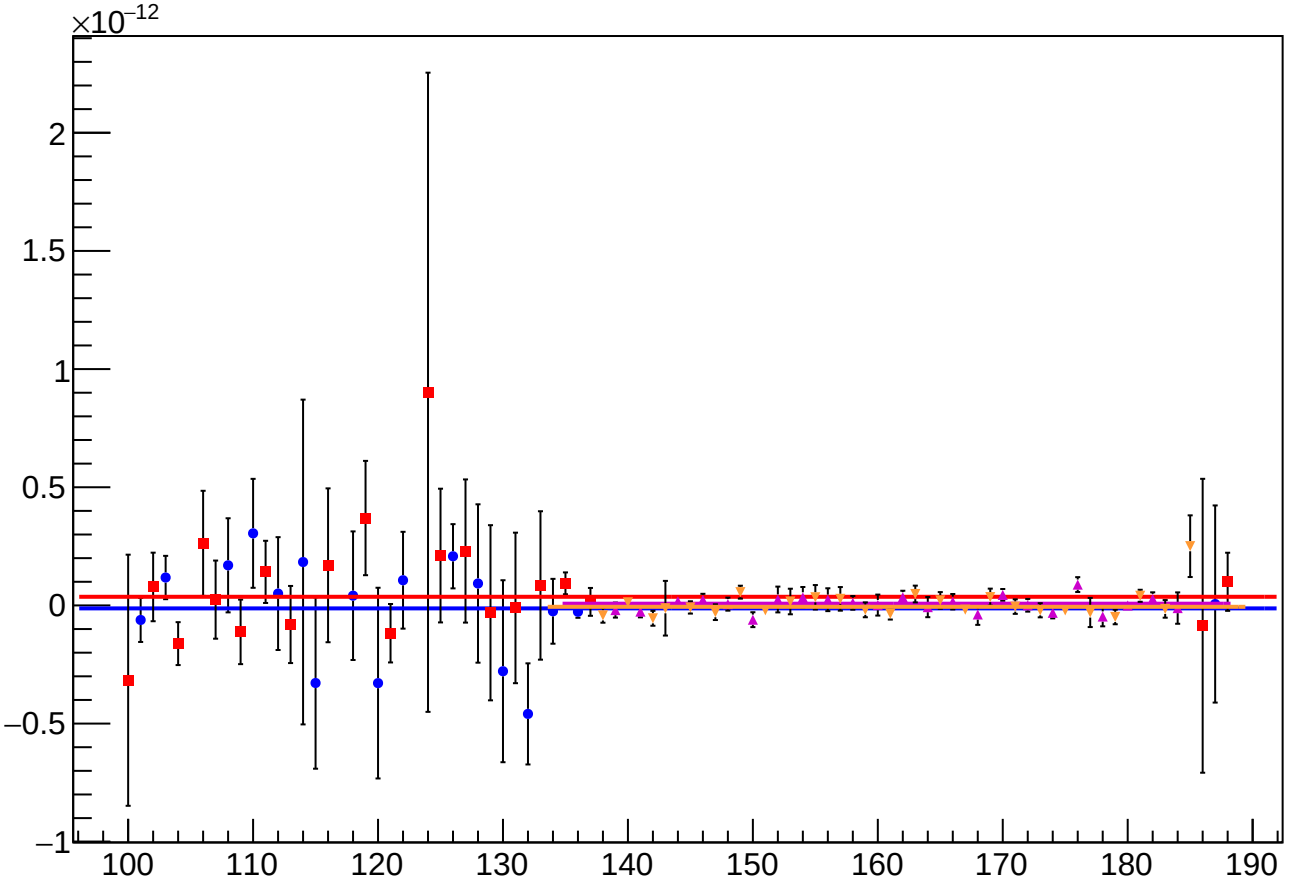
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2011.571+/-0.280 χ^2/NDF: 1781763.1/41

All: 2011.753+/-0.197 χ^2/NDF: 3468606.3/85

- sign 2011.933+/-0.279 χ^2/NDF: 1686842.4/43

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/20

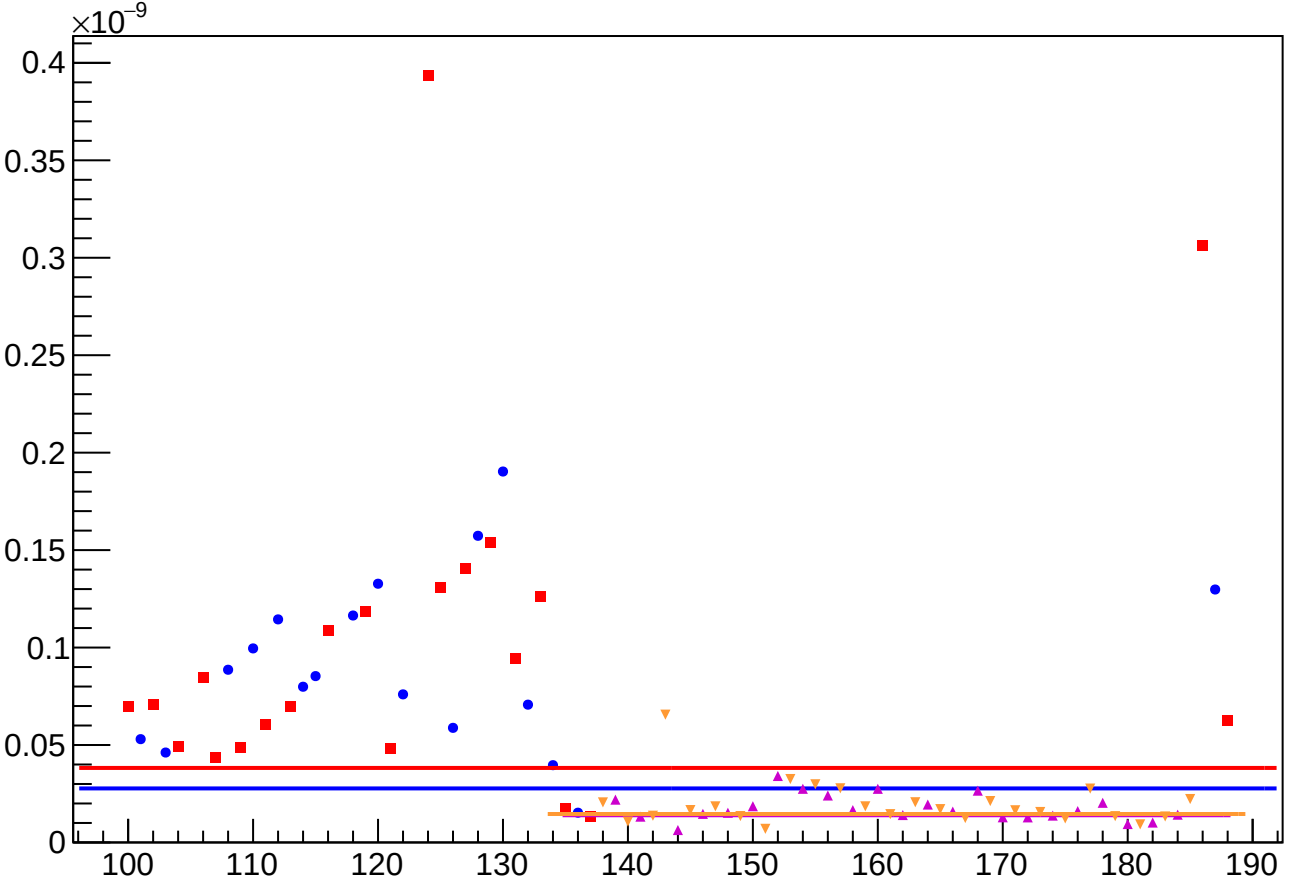
Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.5/41

All: 0.000+/-0.000 χ^2/NDF: 88.4/85

- sign 0.000+/-0.000 χ^2/NDF: 41.6/43

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2848118.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2899791.0/20

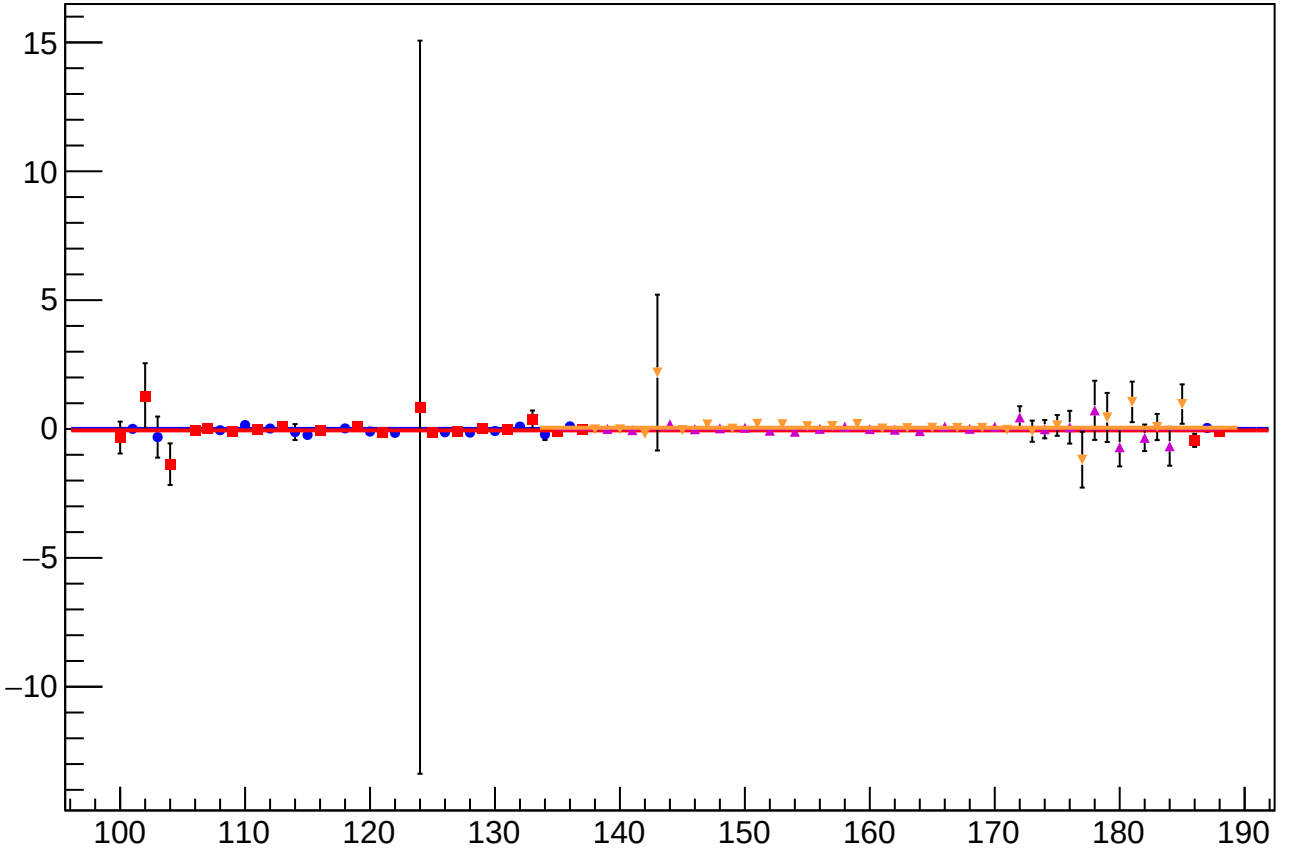
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5377651.6/41

All: 0.000+/-0.000 χ^2/NDF: 11741618.2/85

- sign 0.000+/-0.000 χ^2/NDF: 6358511.1/43

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.053+/-0.023 χ^2/NDF: 15.4/20

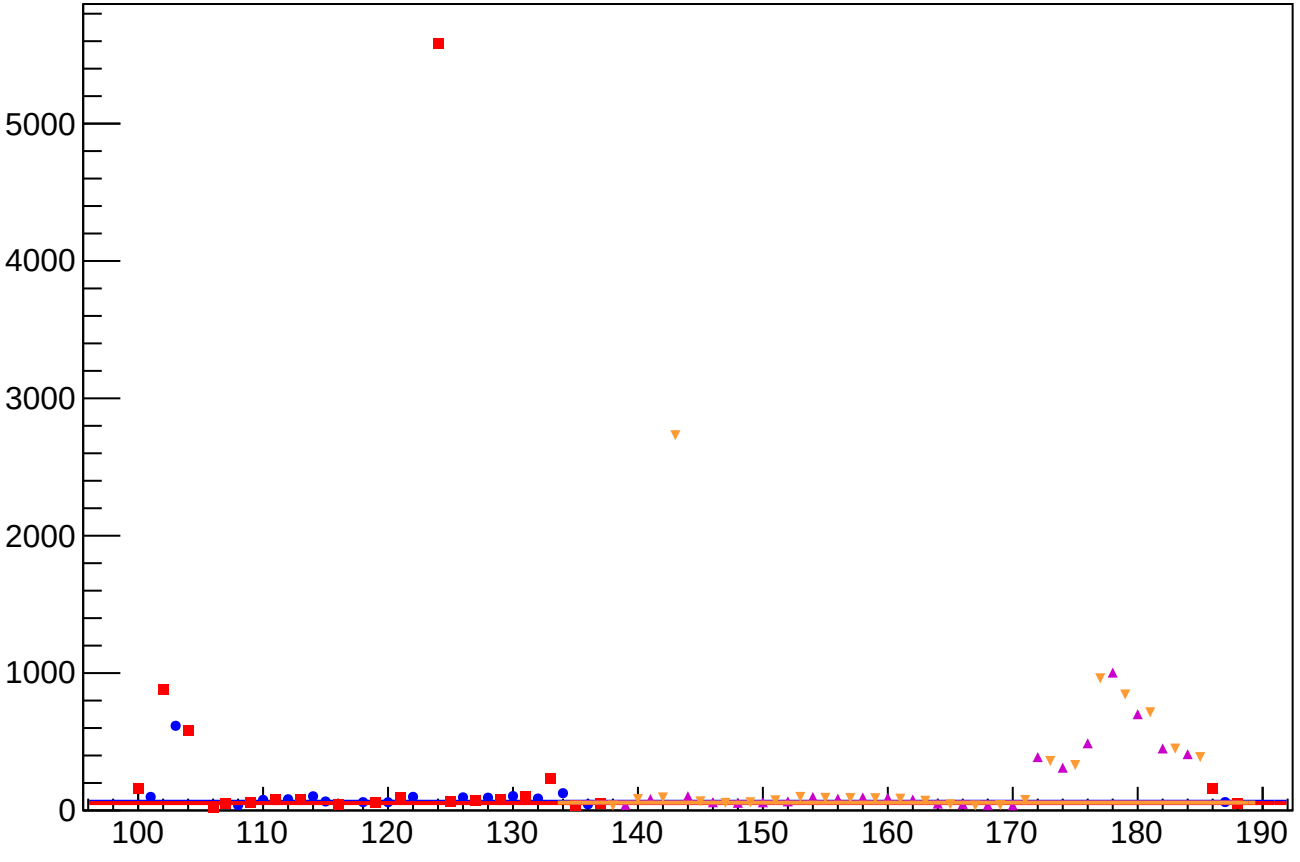
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/41

All: 0.014+/-0.010 χ^2/NDF: 81.9/85

- sign -0.007+/-0.014 χ^2/NDF: 37.1/43

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.377+/-0.019 χ^2/NDF: 2445739.6/16

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 53.607+/-0.016 χ^2/NDF: 4301469.3/20

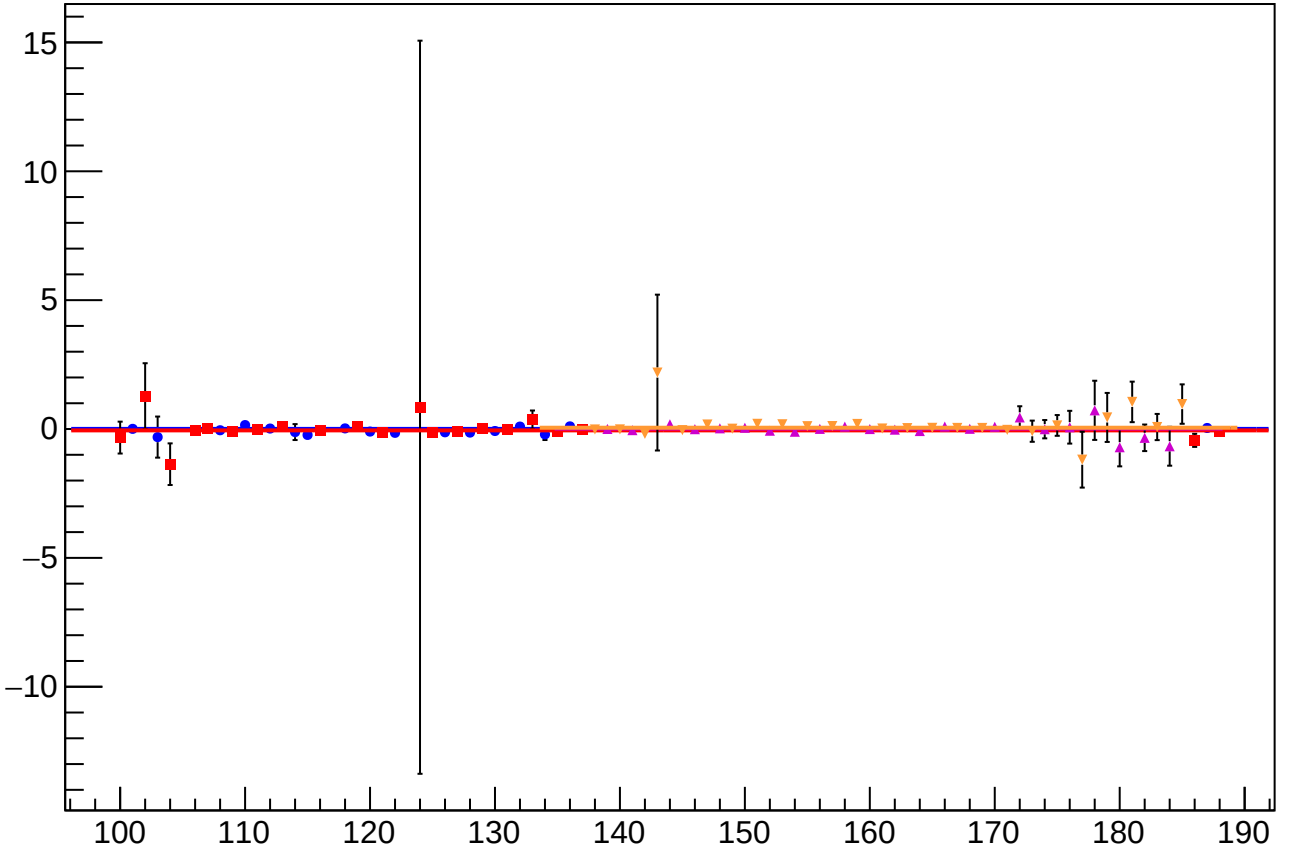
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.022+/-0.010 χ^2/NDF: 14842159.0/41

All: 57.841+/-0.007 χ^2/NDF: 29478347.8/85

- sign 56.772+/-0.010 χ^2/NDF: 14610425.1/43

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.053+/-0.023 χ^2/NDF: 15.4/20

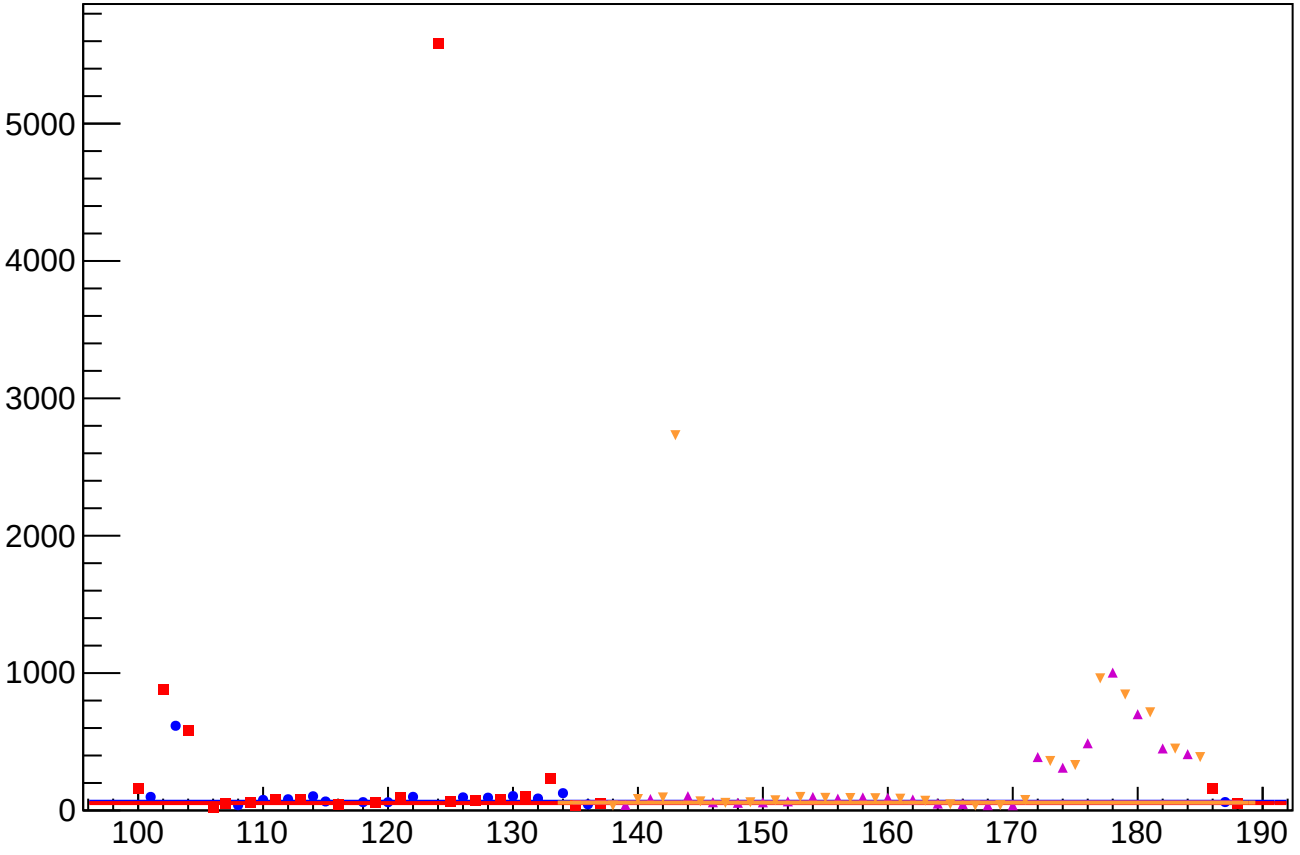
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/41

All: 0.014+/-0.010 χ^2/NDF: 81.9/85

- sign -0.007+/-0.014 χ^2/NDF: 37.1/43

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.377+/-0.019 χ^2/NDF: 2445739.6/16

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

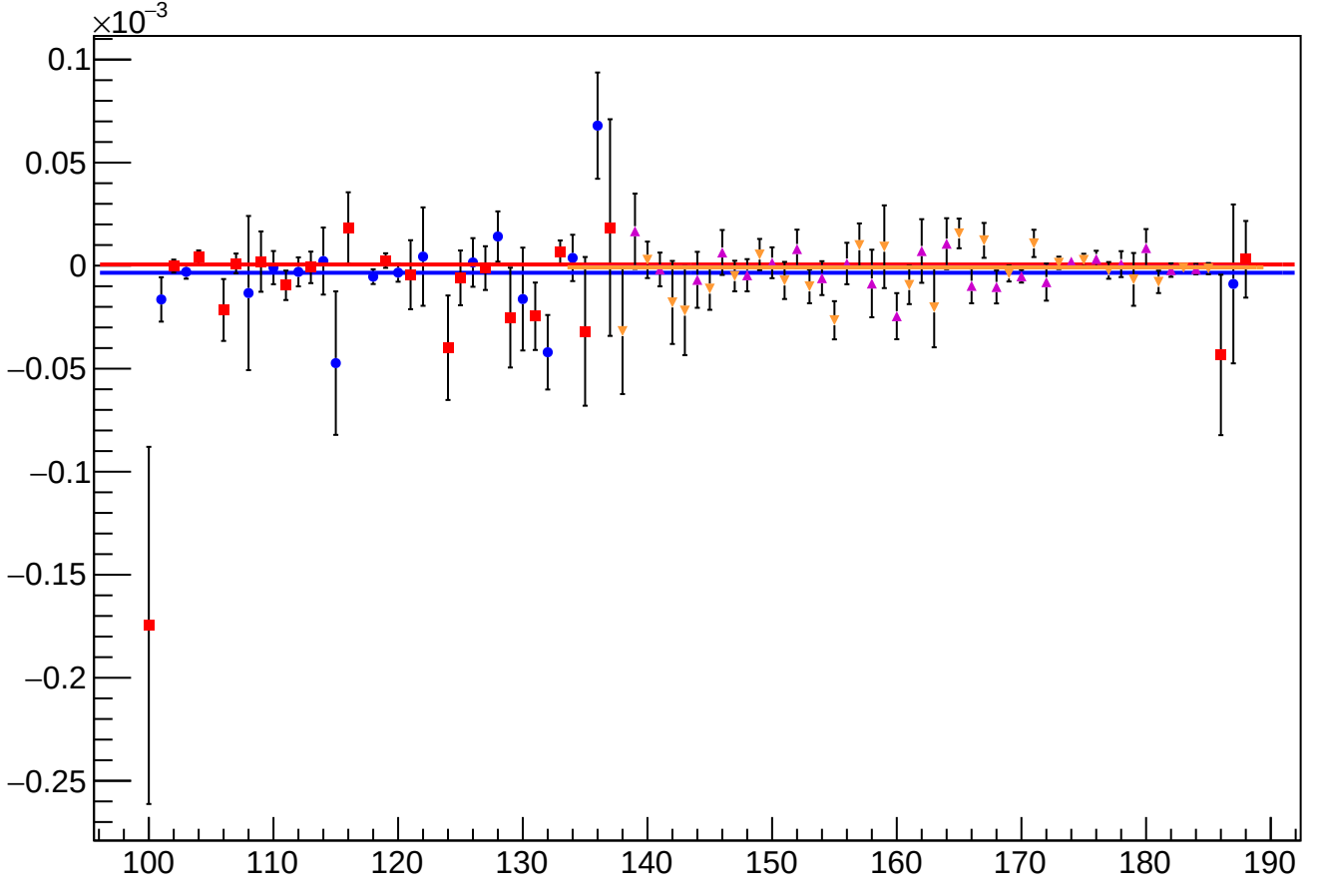
Right Out: 53.607+/-0.016 χ^2/NDF: 4301469.3/20

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.022+/-0.010 χ^2/NDF: 14842159.0/41

All: 57.841+/-0.007 χ^2/NDF: 29478347.8/85

- sign 56.772+/-0.010 χ^2/NDF: 14610425.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

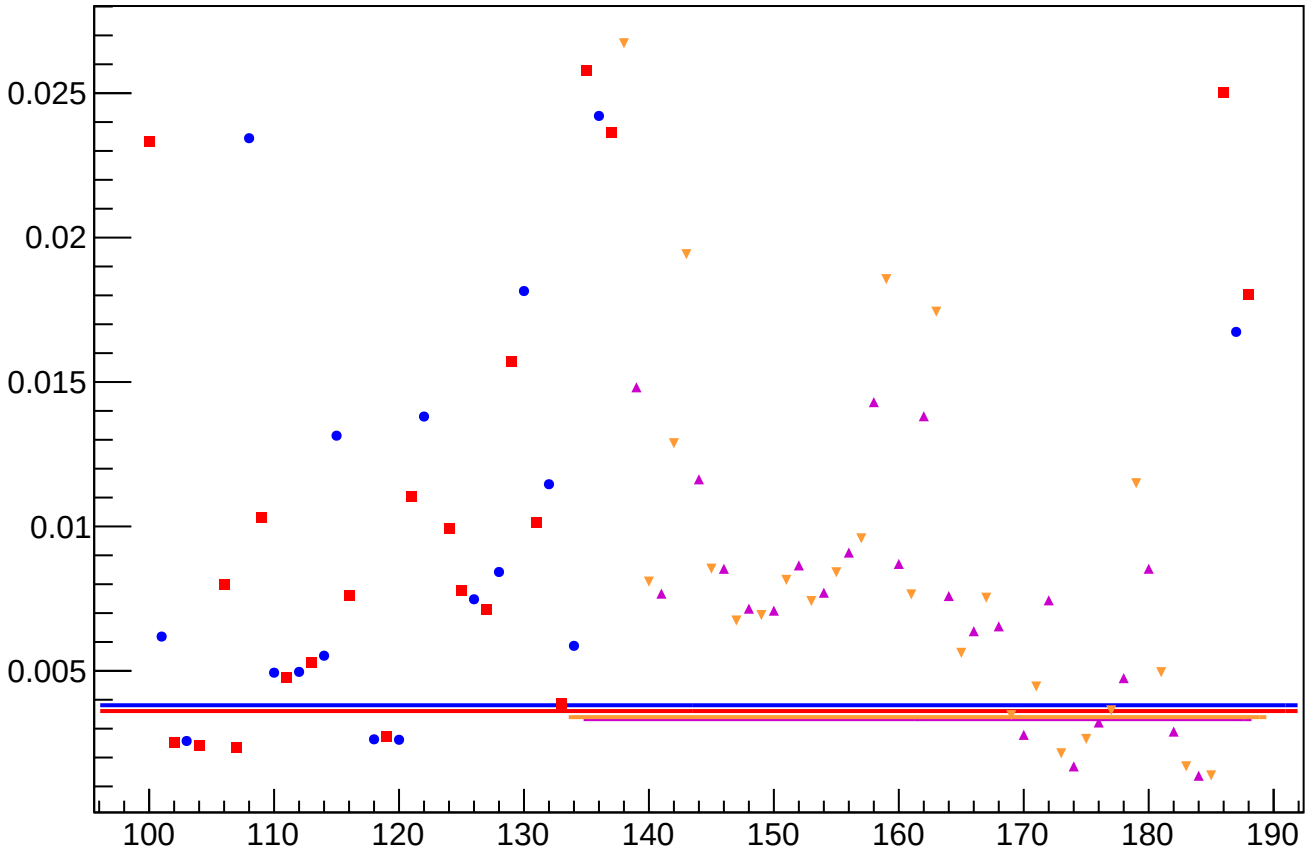
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/20

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.3/41

All: -0.000+/-0.000 χ^2/NDF: 93.9/85

- sign -0.000+/-0.000 χ^2/NDF: 39.7/43



Right In: 0.004+/-0.000 χ^2/NDF: 4944824.4/16

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 6316817.8/20

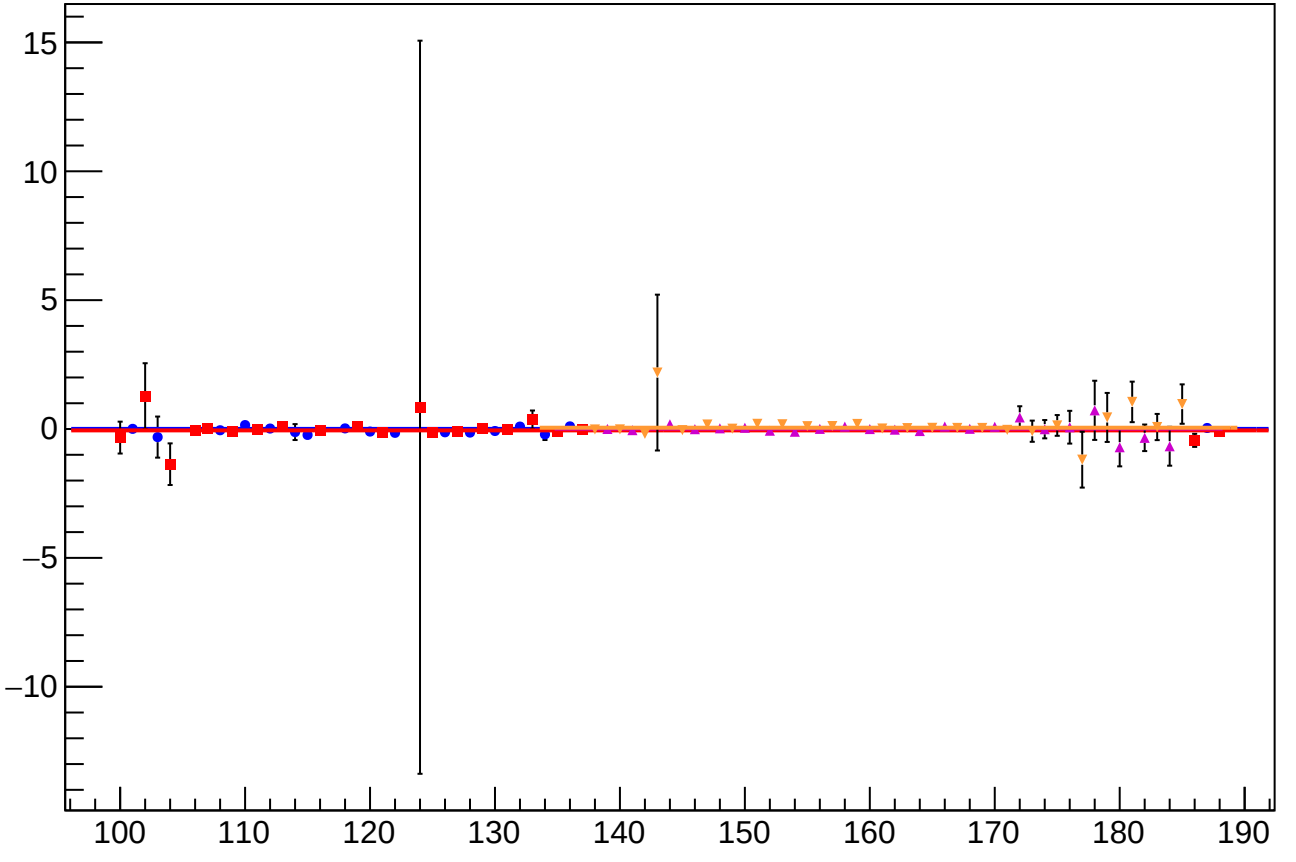
Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

+ sign 0.003+/-0.000 χ^2/NDF: 19271321.5/41

All: 0.003+/-0.000 χ^2/NDF: 38208547.9/85

- sign 0.003+/-0.000 χ^2/NDF: 18928930.4/43

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.053+/-0.023 χ^2/NDF: 15.4/20

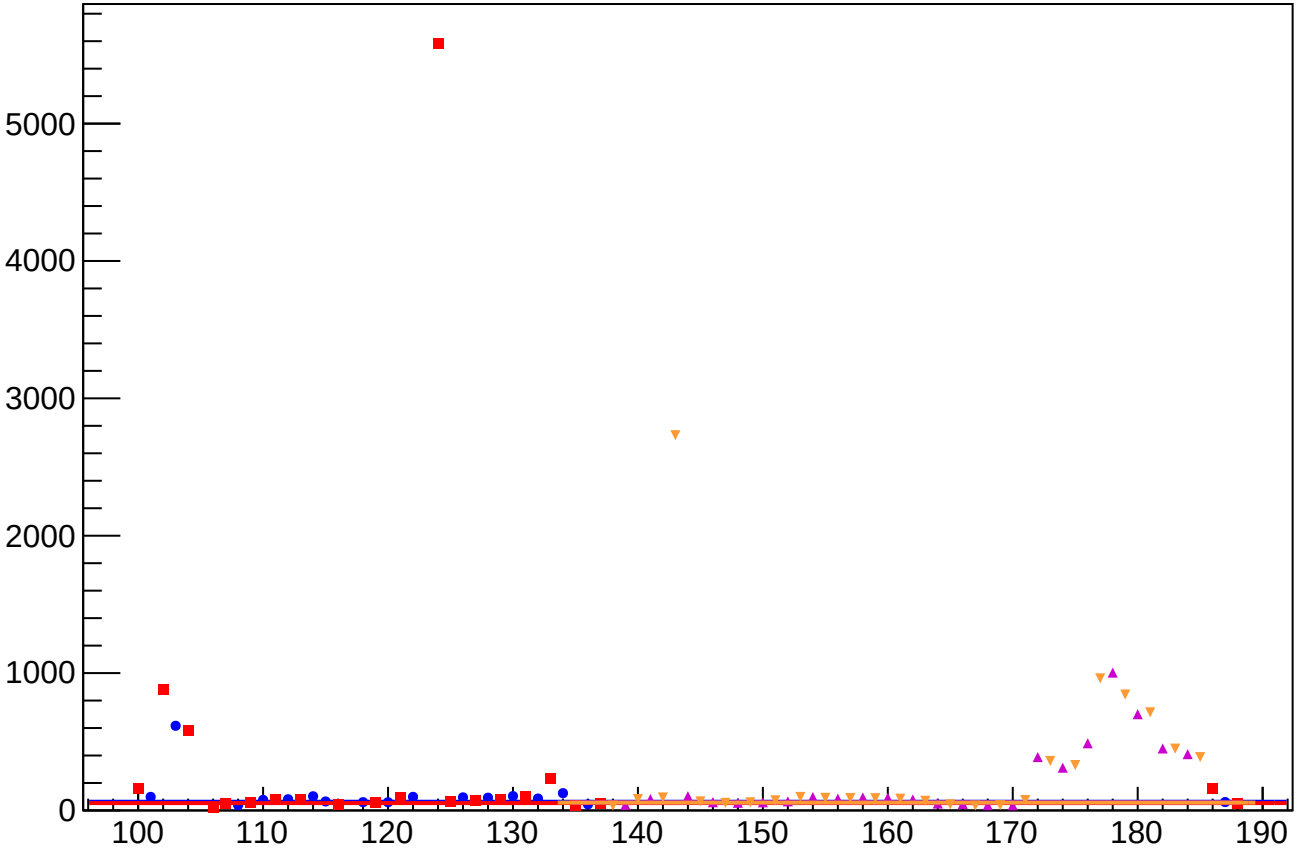
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/41

All: 0.014+/-0.010 χ^2/NDF: 81.9/85

- sign -0.007+/-0.014 χ^2/NDF: 37.1/43

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.386+/-0.019 χ^2/NDF: 2444843.3/16

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

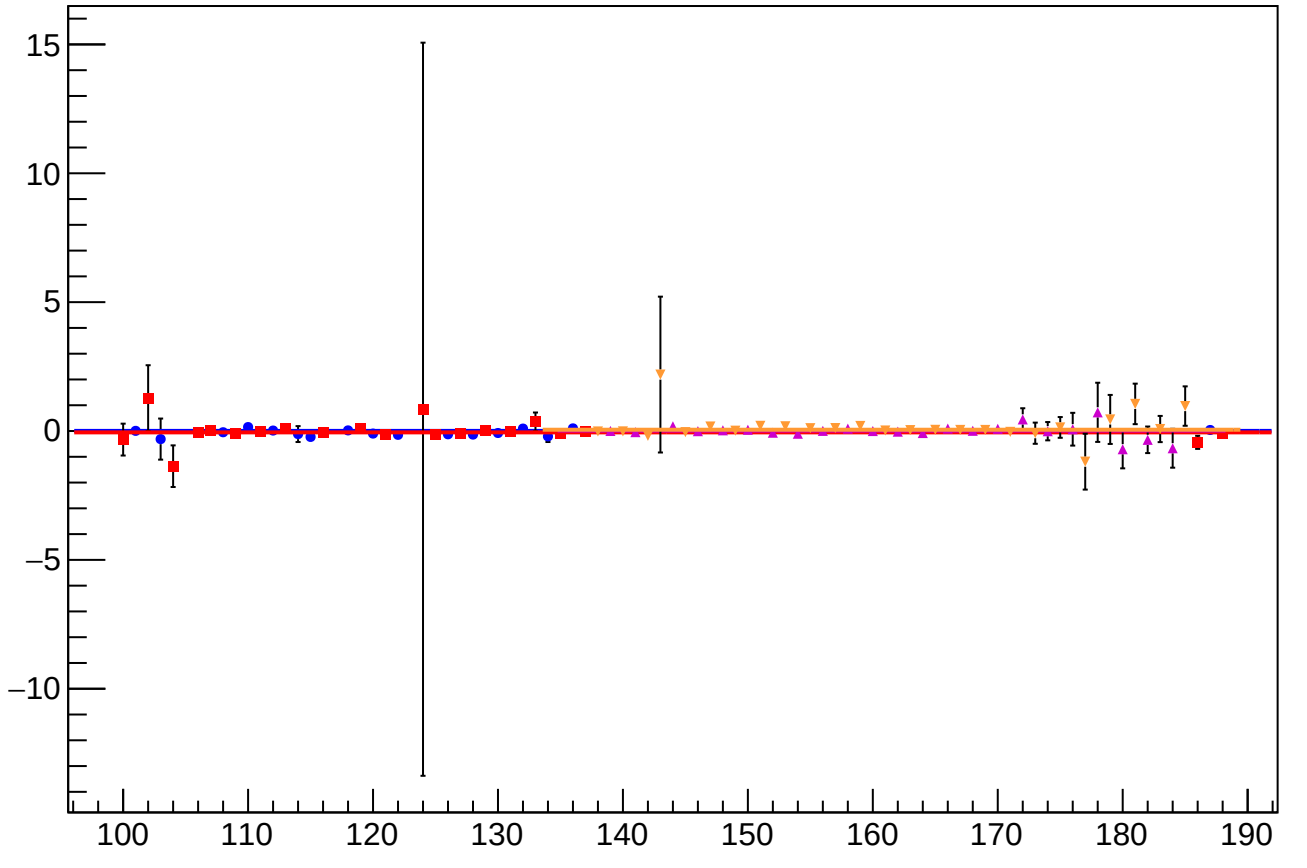
Right Out: 53.602+/-0.016 χ^2/NDF: 4302063.6/20

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 59.024+/-0.010 χ^2/NDF: 14841238.3/41

All: 57.841+/-0.007 χ^2/NDF: 29477744.2/85

- sign 56.772+/-0.010 χ^2/NDF: 14610698.3/43



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

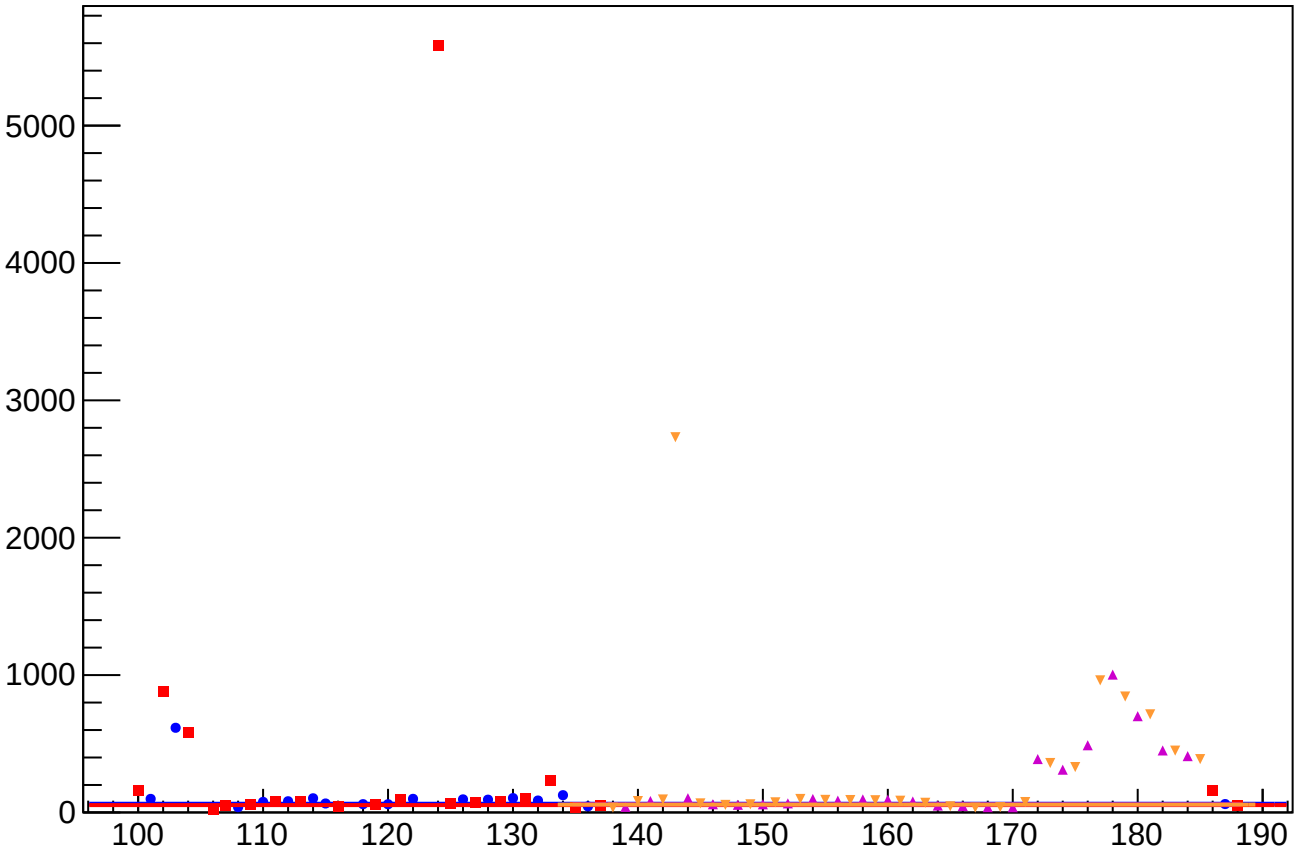
Right Out: -0.053+/-0.023 χ^2/NDF: 15.4/20

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/41

All: 0.014+/-0.010 χ^2/NDF: 81.9/85

- sign -0.007+/-0.014 χ^2/NDF: 37.1/43



Right In: 63.386+/-0.019 χ^2/NDF: 2444843.3/16

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 53.602+/-0.016 χ^2/NDF: 4302063.6/20

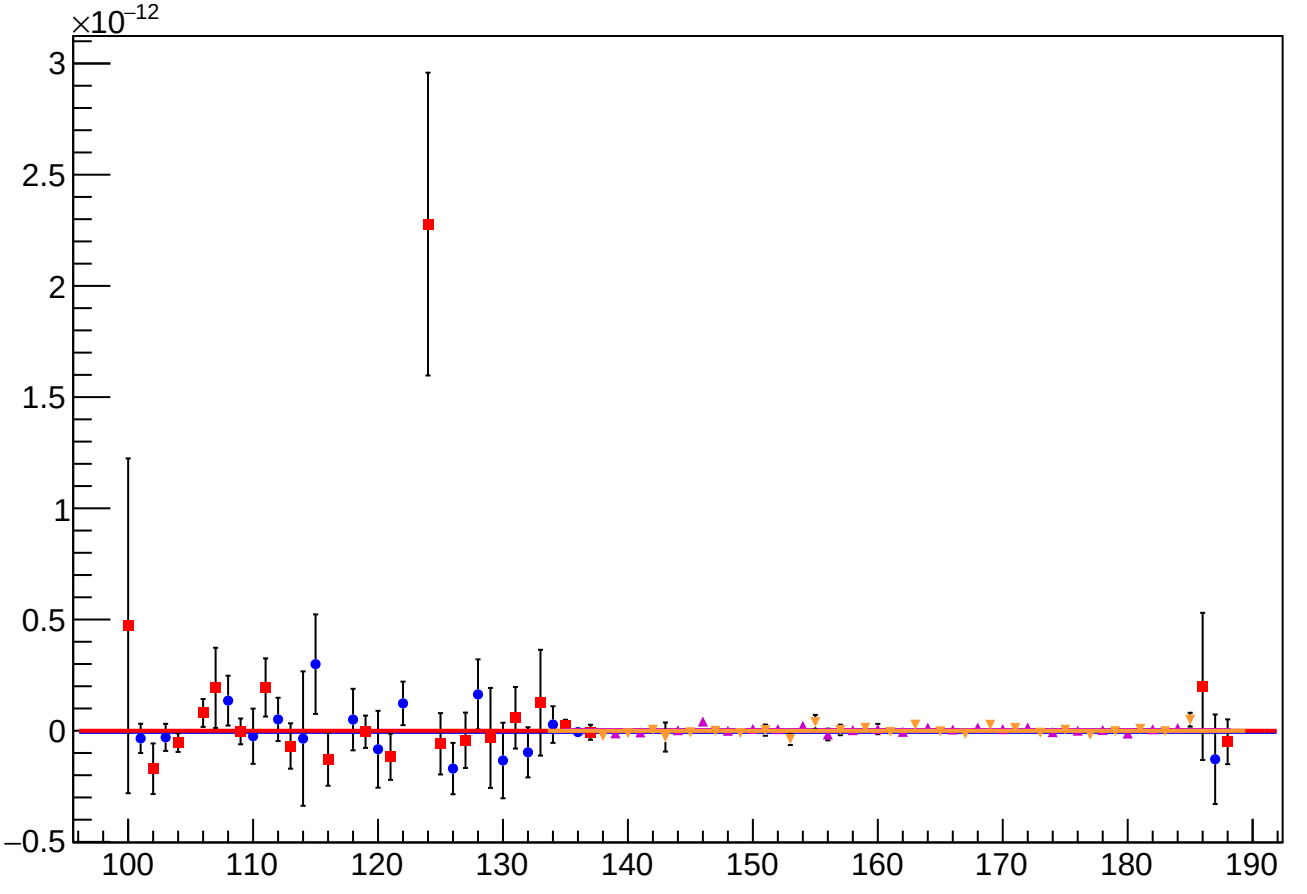
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

\+ sign 59.024+/-0.010 χ^2/NDF: 14841238.3/41

All: 57.841+/-0.007 χ^2/NDF: 29477744.2/85

\- sign 56.772+/-0.010 χ^2/NDF: 14610698.3/43

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/20

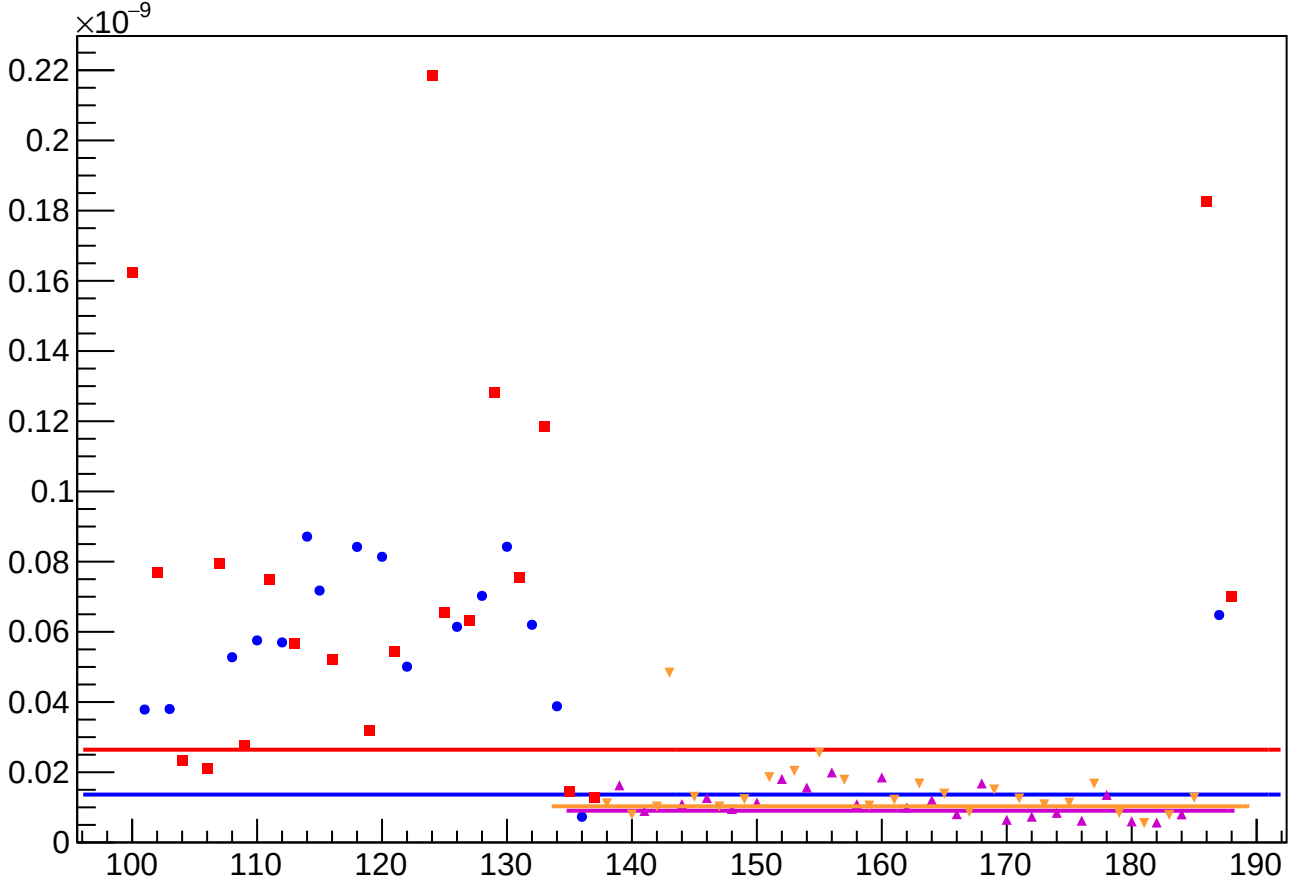
Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.2/41

All: 0.000+/-0.000 χ^2/NDF: 72.2/85

- sign 0.000+/-0.000 χ^2/NDF: 41.2/43

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5122802.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4413658.3/20

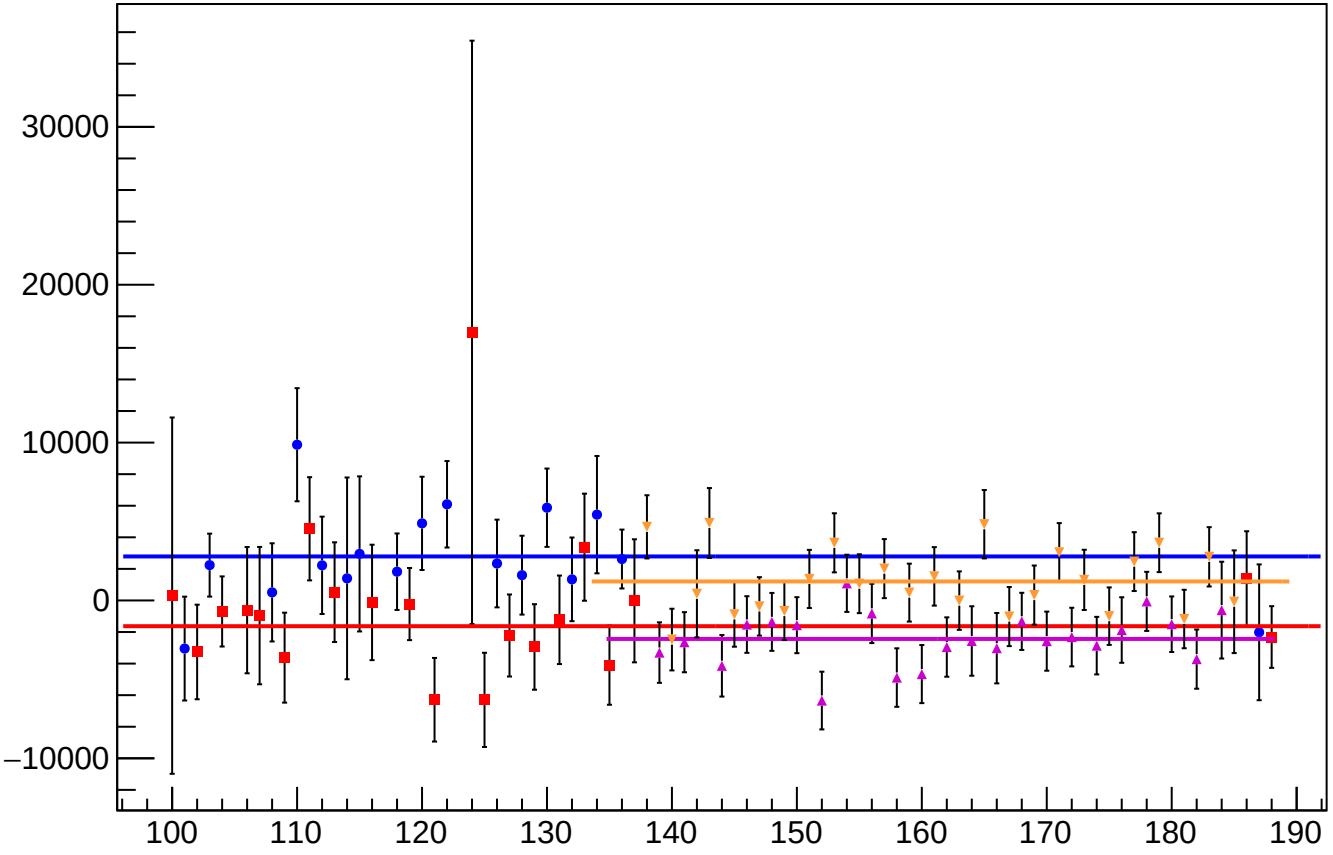
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8960447.6/41

All: 0.000+/-0.000 χ^2/NDF: 19166495.3/85

- sign 0.000+/-0.000 χ^2/NDF: 10099326.1/43

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2787.542+/-686.163 χ^2/NDF: 13.7/16

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1631.048+/-649.198 χ^2/NDF: 16.9/20

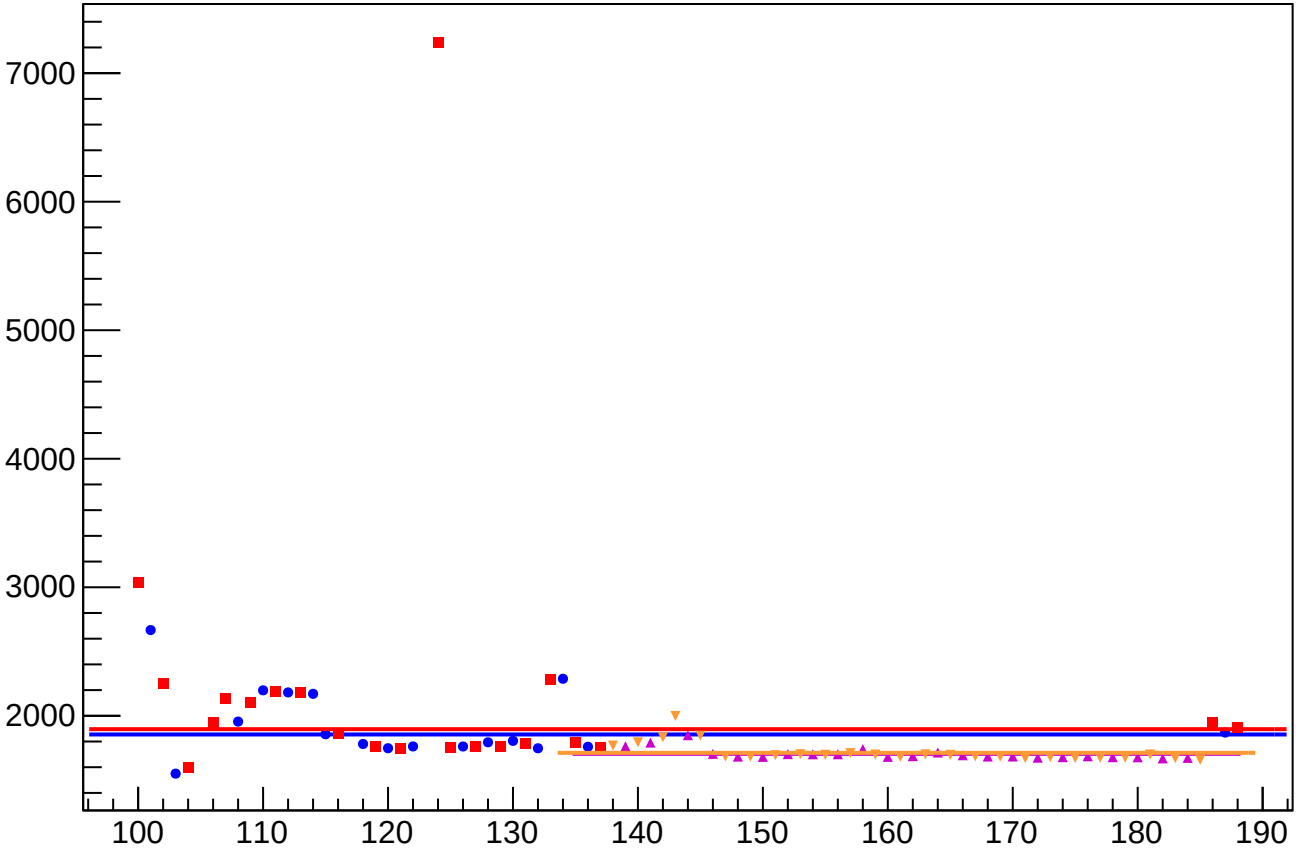
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1588.154+/-338.492 χ^2/NDF: 44.1/41

All: -310.589+/-239.632 χ^2/NDF: 142.7/85

- sign -2218.318+/-339.292 χ^2/NDF: 35.6/43

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.699+/-0.485 χ^2/NDF: 263346.9/16

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1896.090+/-0.458 χ^2/NDF: 364780.9/20

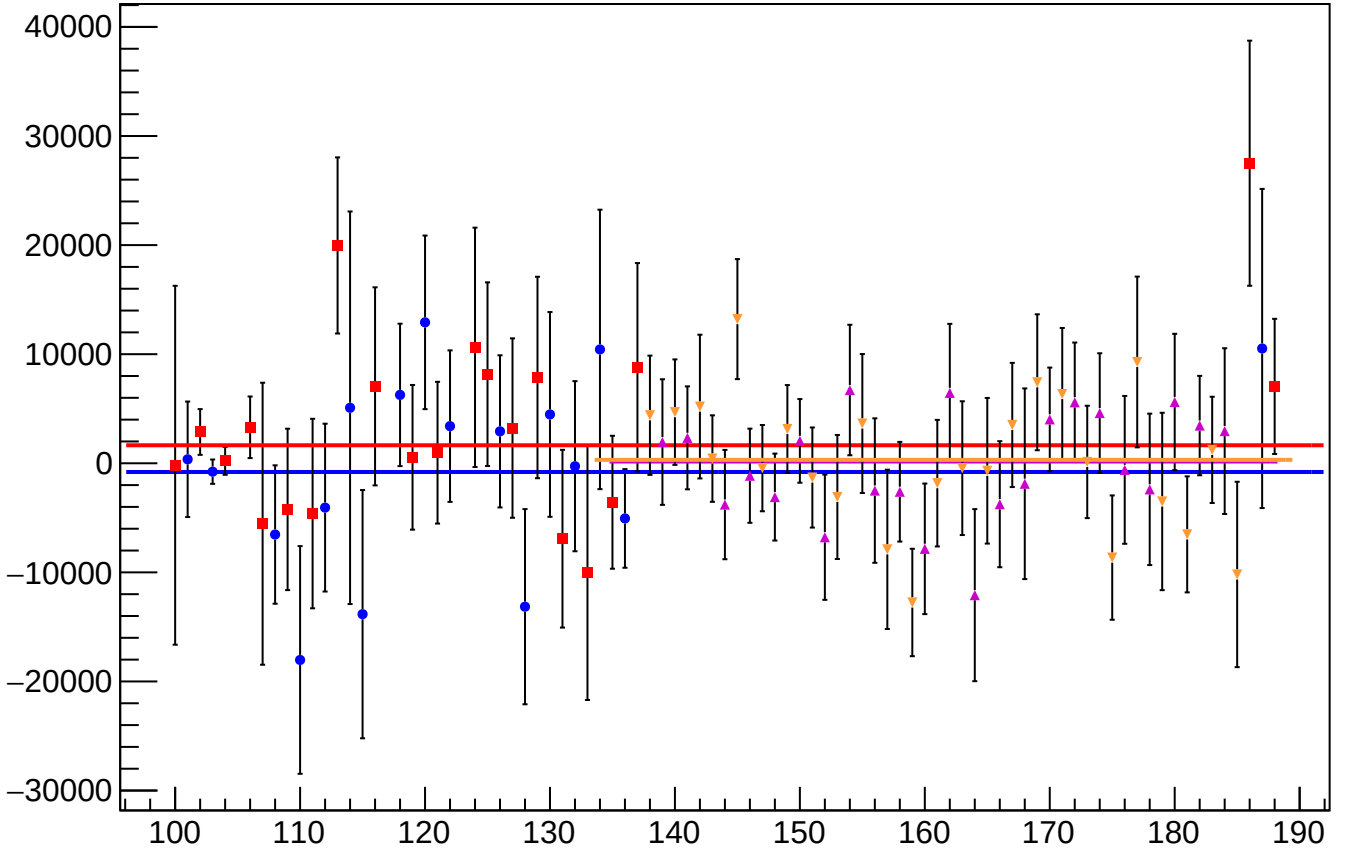
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

\+ sign 1746.558+/-0.239 χ^2/NDF: 389070.5/41

All: 1751.567+/-0.169 χ^2/NDF: 904974.2/85

\- sign 1756.595+/-0.240 χ^2/NDF: 515025.9/43

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -798.922+/-960.840 χ^2/NDF: 14.5/16

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1651.161+/-903.150 χ^2/NDF: 20.2/20

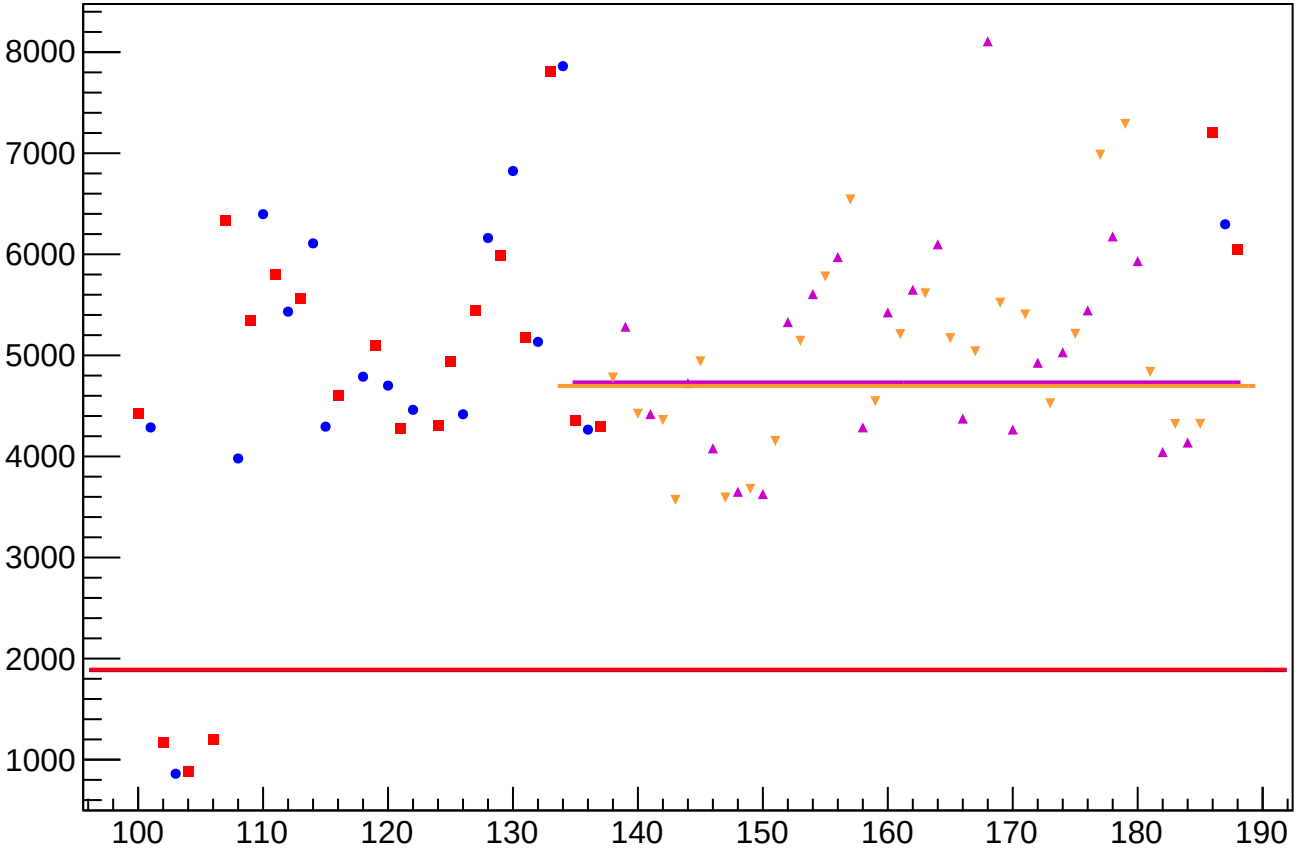
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -313.244+/-721.348 χ^2/NDF: 42.1/41

All: 393.160+/-504.235 χ^2/NDF: 79.9/85

- sign 1068.140+/-705.121 χ^2/NDF: 35.9/43

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1885.521+/-0.679 χ^2/NDF: 7032329.3/16

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 1890.375+/-0.639 χ^2/NDF: 7819574.2/20

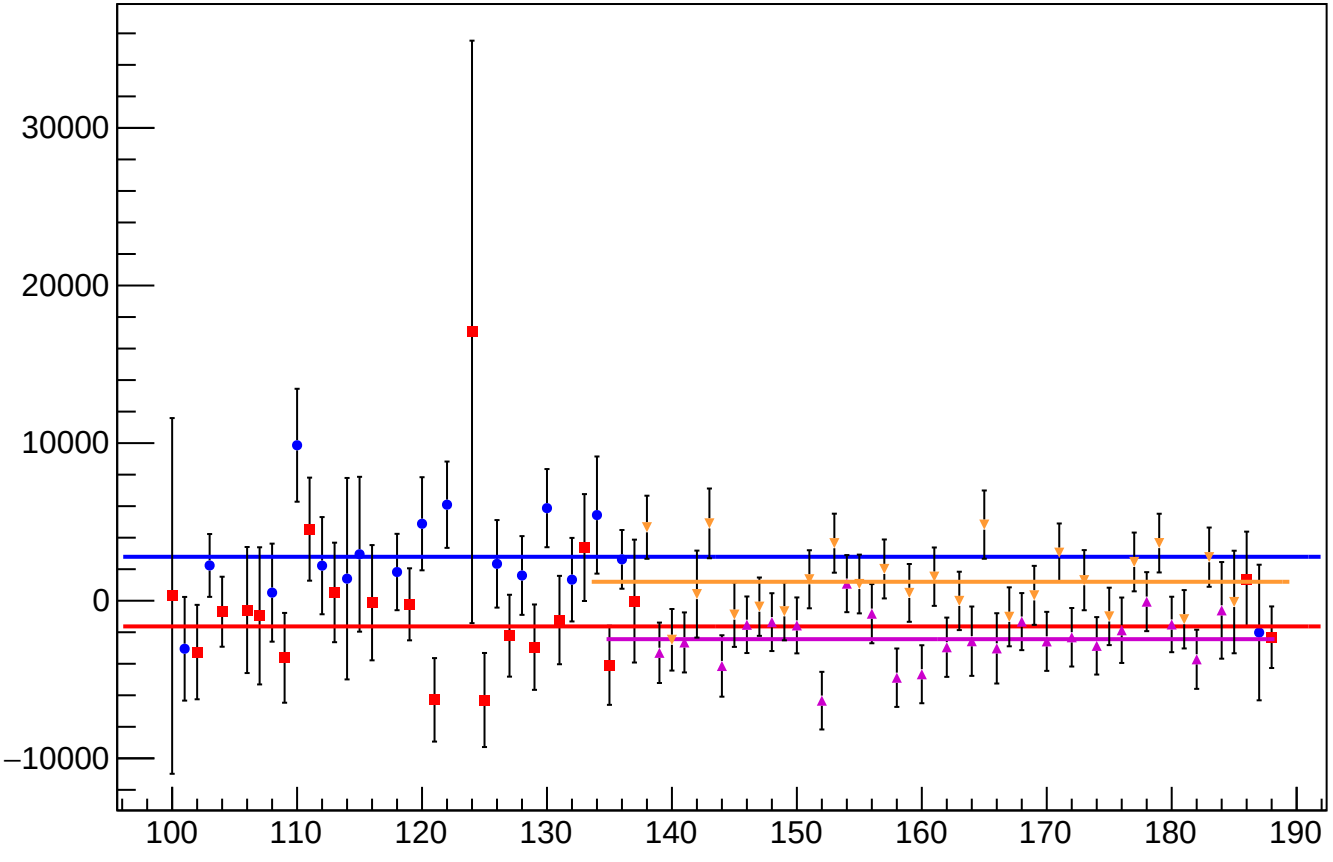
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3112.662+/-0.510 χ^2/NDF: 15747423.1/41

All: 3055.080+/-0.357 χ^2/NDF: 32567595.7/8

- sign 3000.059+/-0.499 χ^2/NDF: 16795250.8/43

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2787.650+/-686.163 χ^2/NDF: 13.7/16

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1629.879+/-649.199 χ^2/NDF: 16.9/20

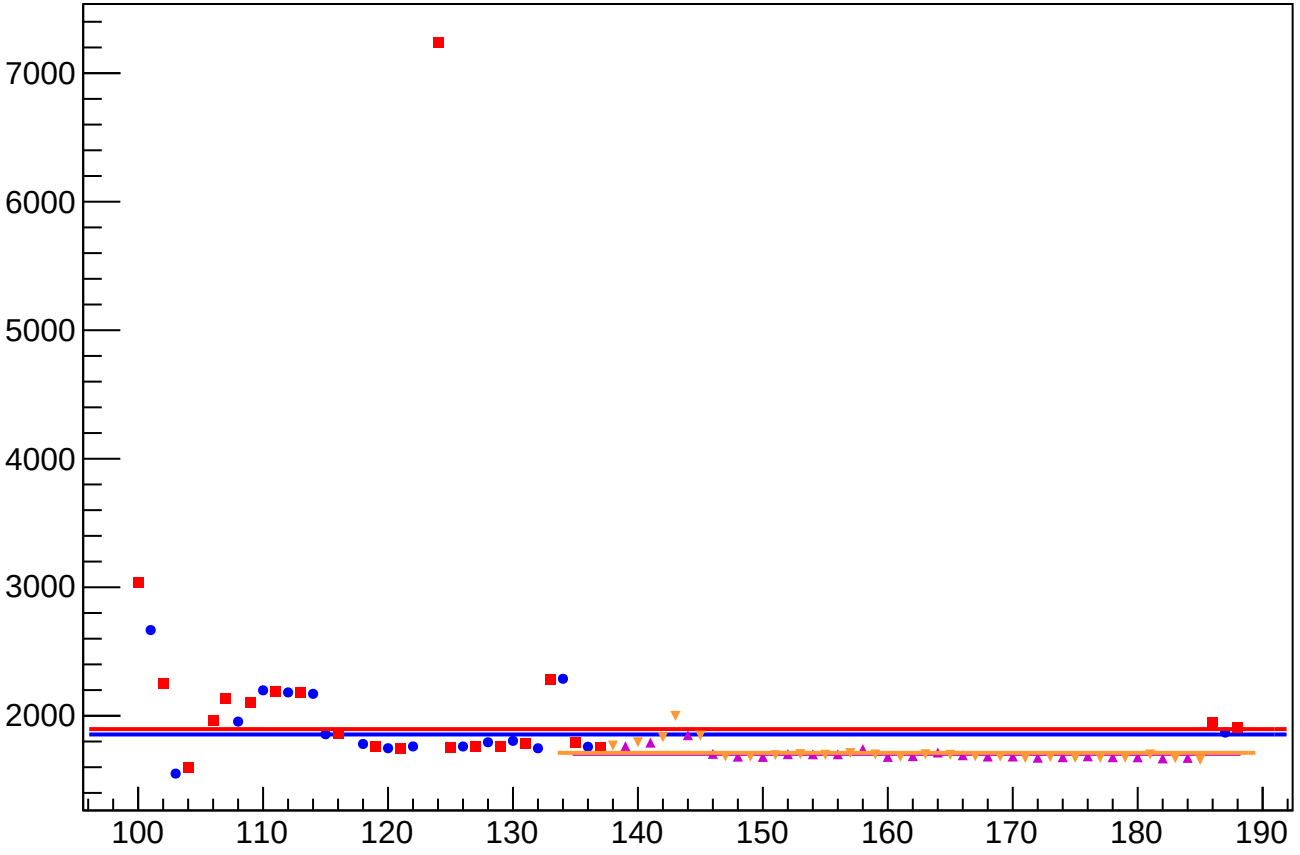
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1588.107+/-338.492 χ^2/NDF: 44.1/41

All: -310.429+/-239.632 χ^2/NDF: 142.7/85

- sign -2217.950+/-339.292 χ^2/NDF: 35.6/43

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.699+/-0.485 χ^2/NDF: 263346.7/16

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1896.479+/-0.458 χ^2/NDF: 365005.6/20

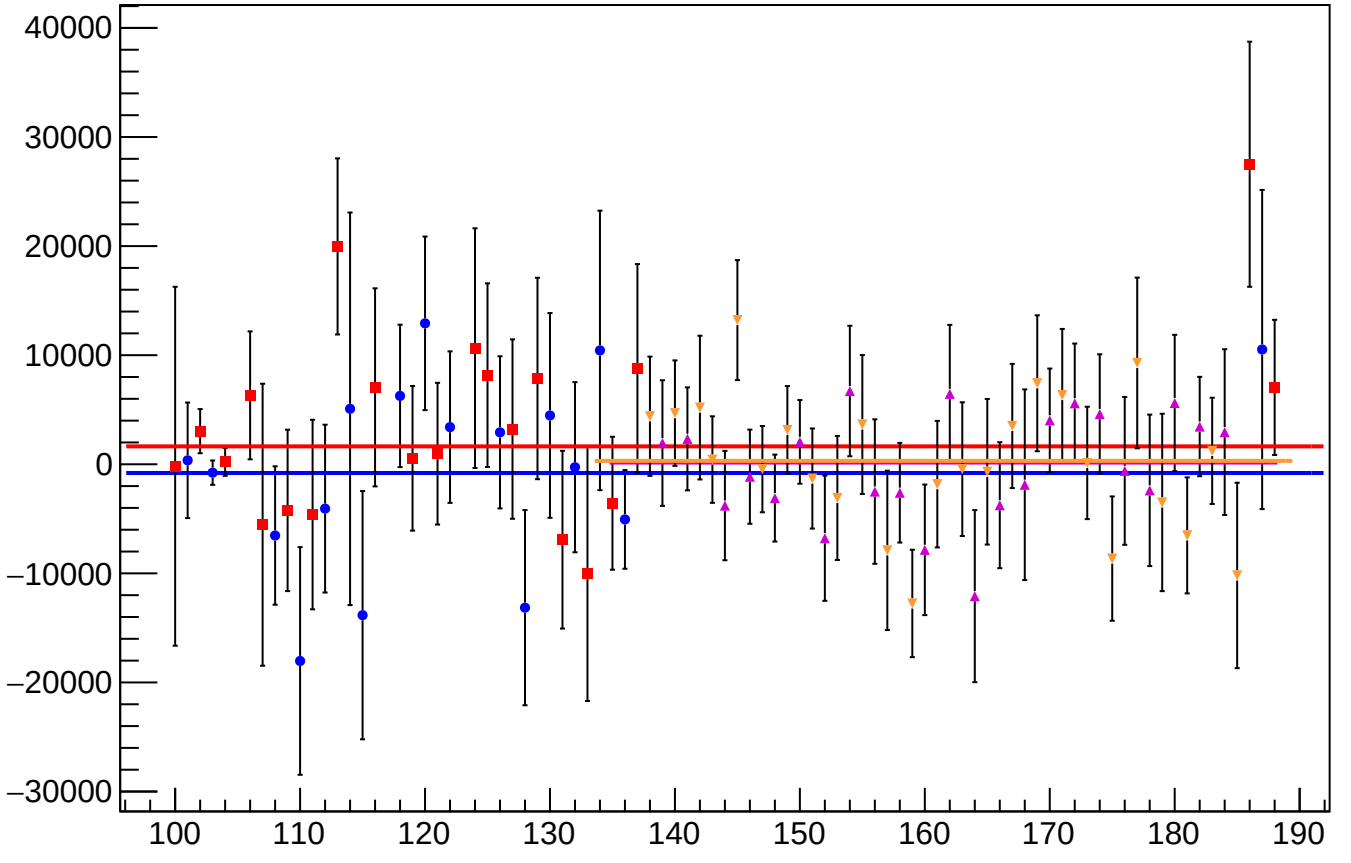
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1746.558+/-0.239 χ^2/NDF: 389070.4/41

All: 1751.613+/-0.169 χ^2/NDF: 905696.3/85

- sign 1756.687+/-0.240 χ^2/NDF: 515732.0/43

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -798.455+/-960.787 χ^2/NDF: 14.5/16

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1642.033+/-934.012 χ^2/NDF: 20.6/20

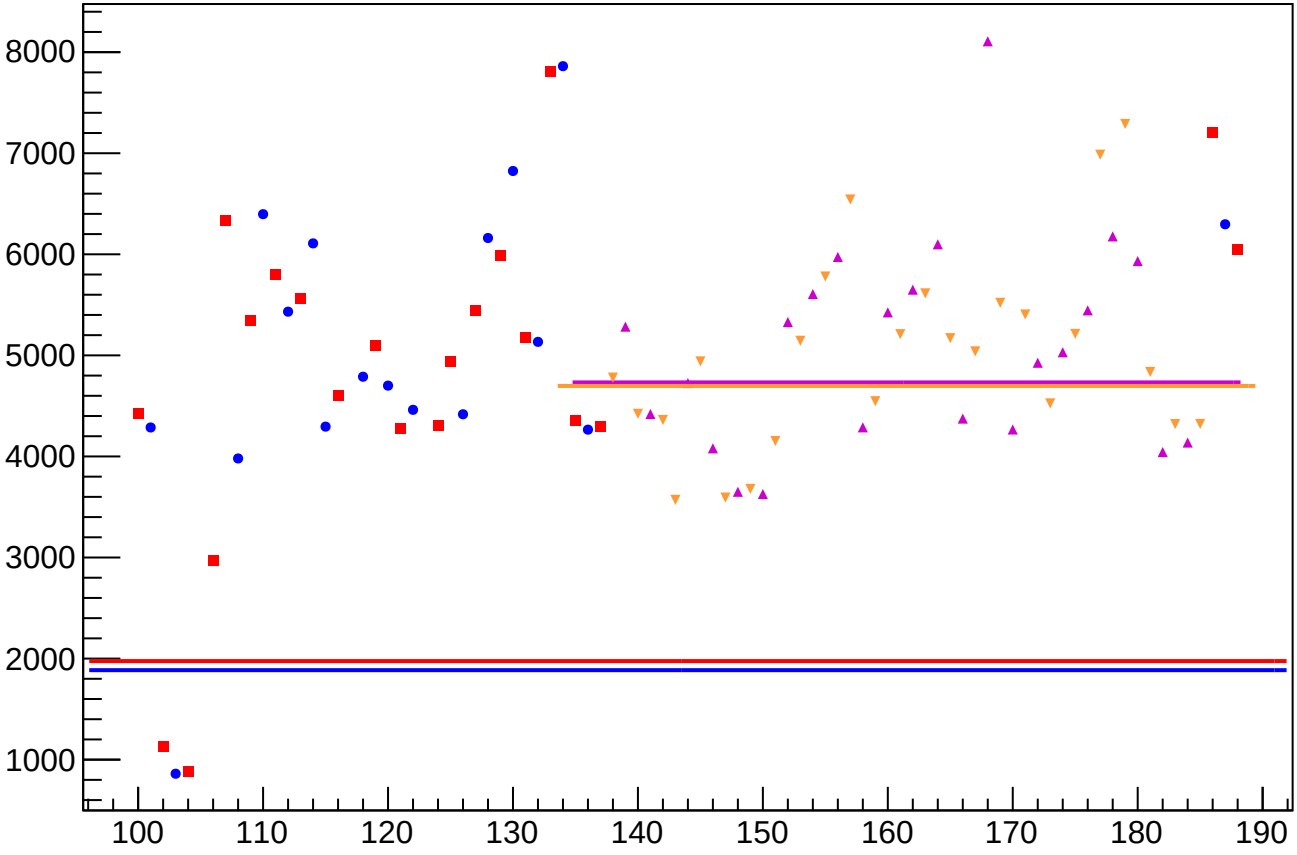
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -312.997+/-721.325 χ^2/NDF: 42.1/41

All: 364.536+/-509.414 χ^2/NDF: 80.2/85

- sign 1038.677+/-719.517 χ^2/NDF: 36.3/43

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1885.366+/-0.679 χ^2/NDF: 7032766.0/16

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1975.412+/-0.660 χ^2/NDF: 7793760.8/20

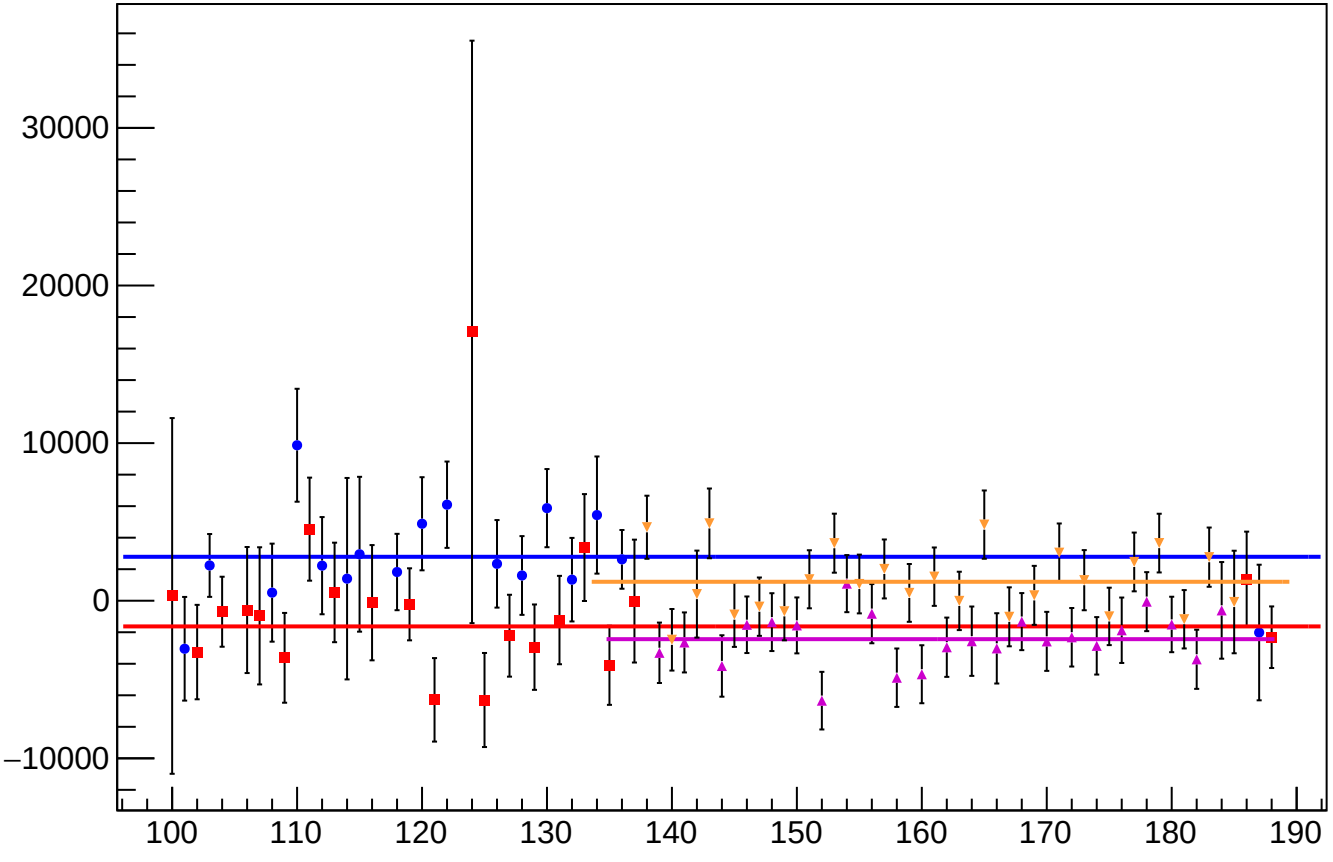
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3112.498+/-0.510 χ^2/NDF: 15749042.0/41

All: 3104.378+/-0.360 χ^2/NDF: 31870873.2/8

- sign 3096.298+/-0.509 χ^2/NDF: 16121325.6/43

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2787.650+/-686.163 χ^2/NDF: 13.7/16

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1629.879+/-649.199 χ^2/NDF: 16.9/20

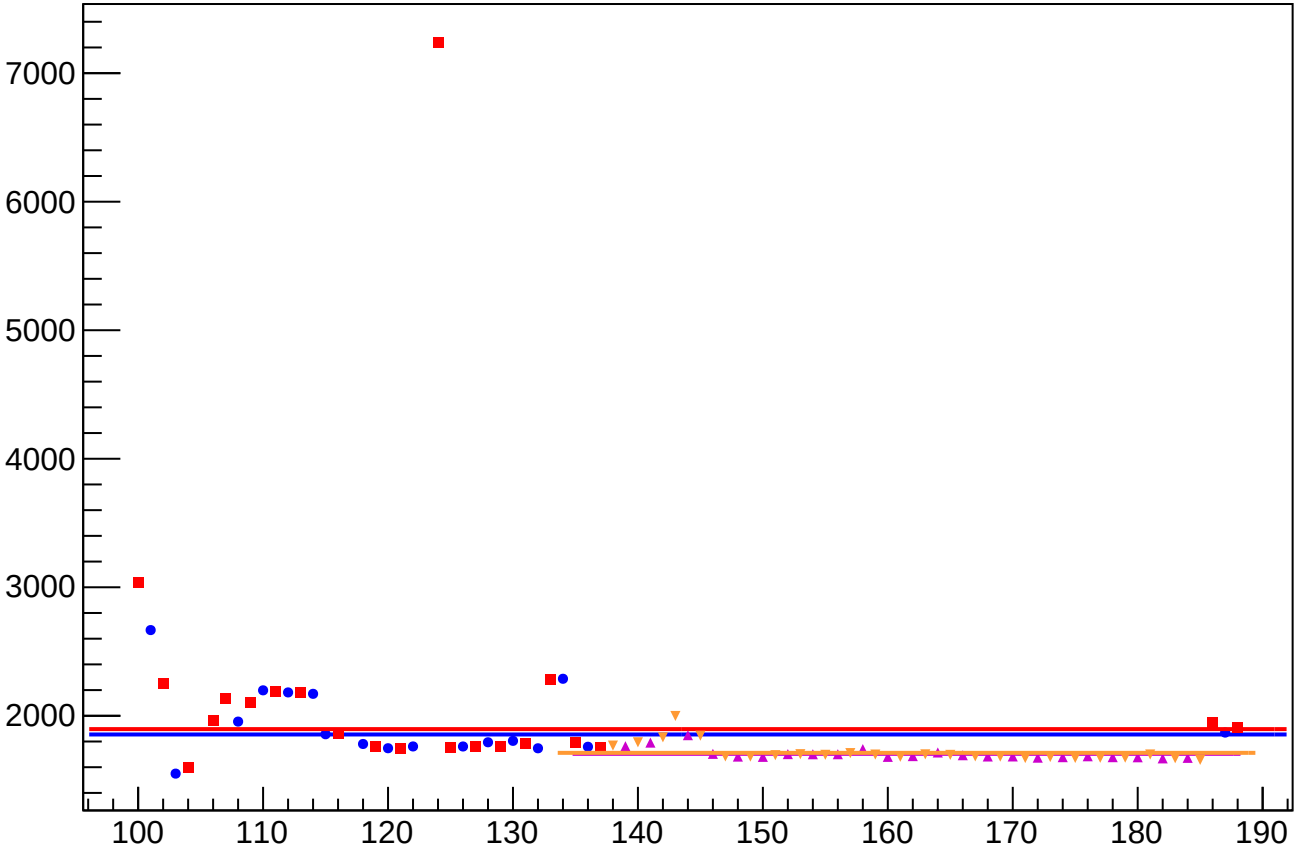
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1588.107+/-338.492 χ^2/NDF: 44.1/41

All: -310.429+/-239.632 χ^2/NDF: 142.7/85

- sign -2217.950+/-339.292 χ^2/NDF: 35.6/43

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.699+/-0.485 χ^2/NDF: 263346.7/16

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

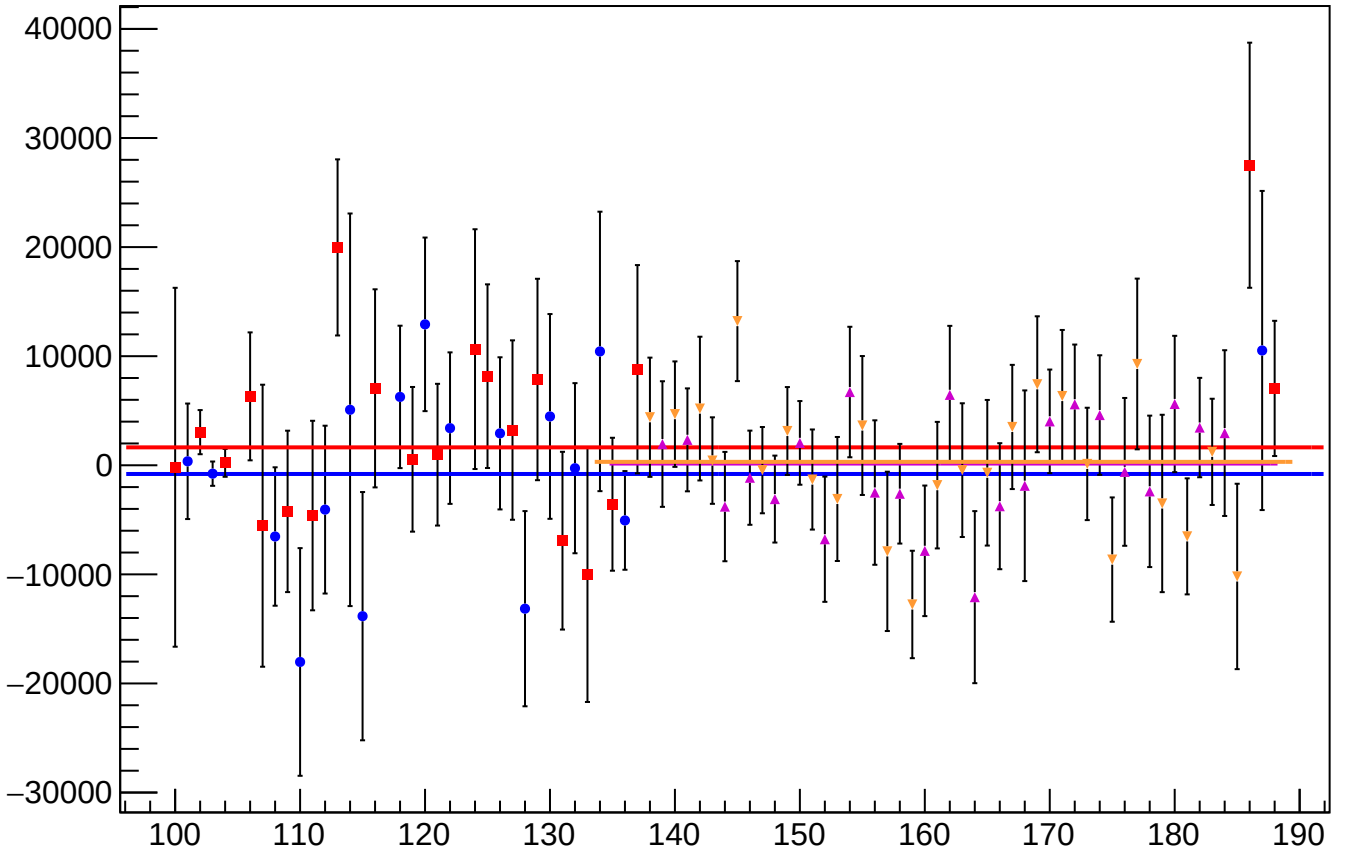
Right Out: 1896.479+/-0.458 χ^2/NDF: 365005.6/20

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1746.558+/-0.239 χ^2/NDF: 389070.4/41

All: 1751.613+/-0.169 χ^2/NDF: 905696.3/85

- sign 1756.687+/-0.240 χ^2/NDF: 515732.0/43



Right In: -798.455+/-960.787 χ^2/NDF: 14.5/16

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1642.033+/-934.012 χ^2/NDF: 20.6/20

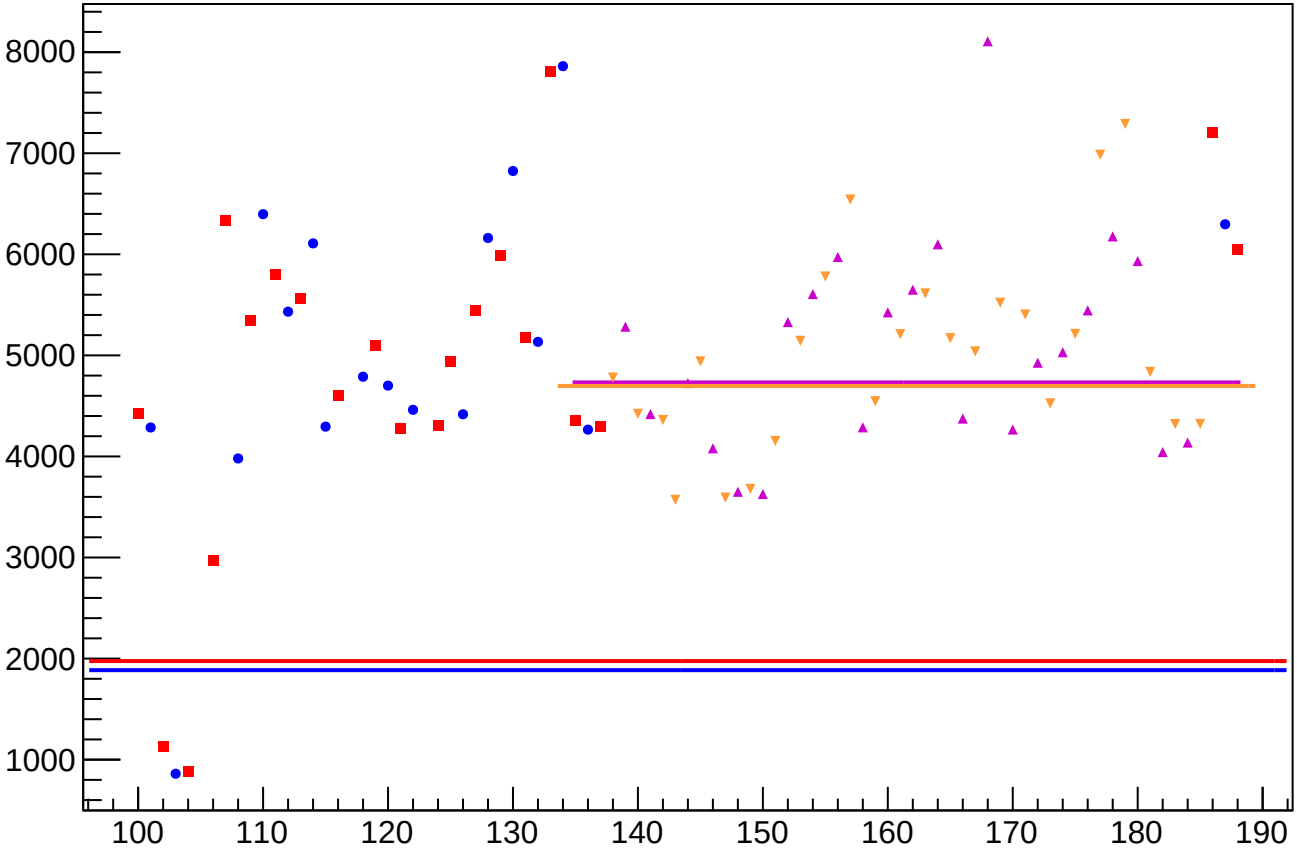
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -312.997+/-721.325 χ^2/NDF: 42.1/41

All: 364.536+/-509.414 χ^2/NDF: 80.2/85

- sign 1038.677+/-719.517 χ^2/NDF: 36.3/43

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 1885.366+/-0.679 χ^2/NDF: 7032766.0/16

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1975.412+/-0.660 χ^2/NDF: 7793760.8/20

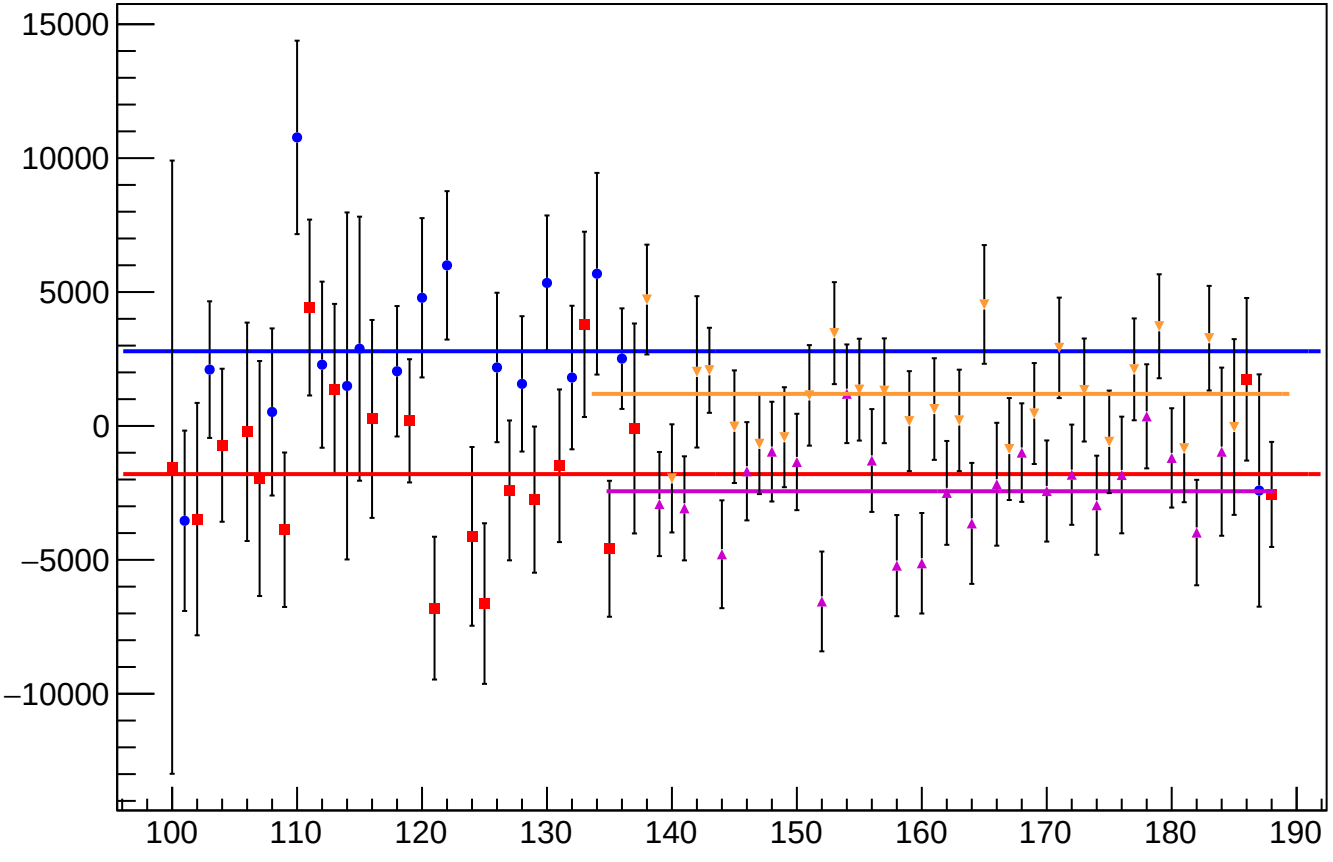
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3112.498+/-0.510 χ^2/NDF: 15749042.0/41

All: 3104.378+/-0.360 χ^2/NDF: 31870873.2/8

- sign 3096.298+/-0.509 χ^2/NDF: 16121325.6/43

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2789.080+/-708.654 χ^2/NDF: 14.5/16

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1797.942+/-661.248 χ^2/NDF: 18.9/20

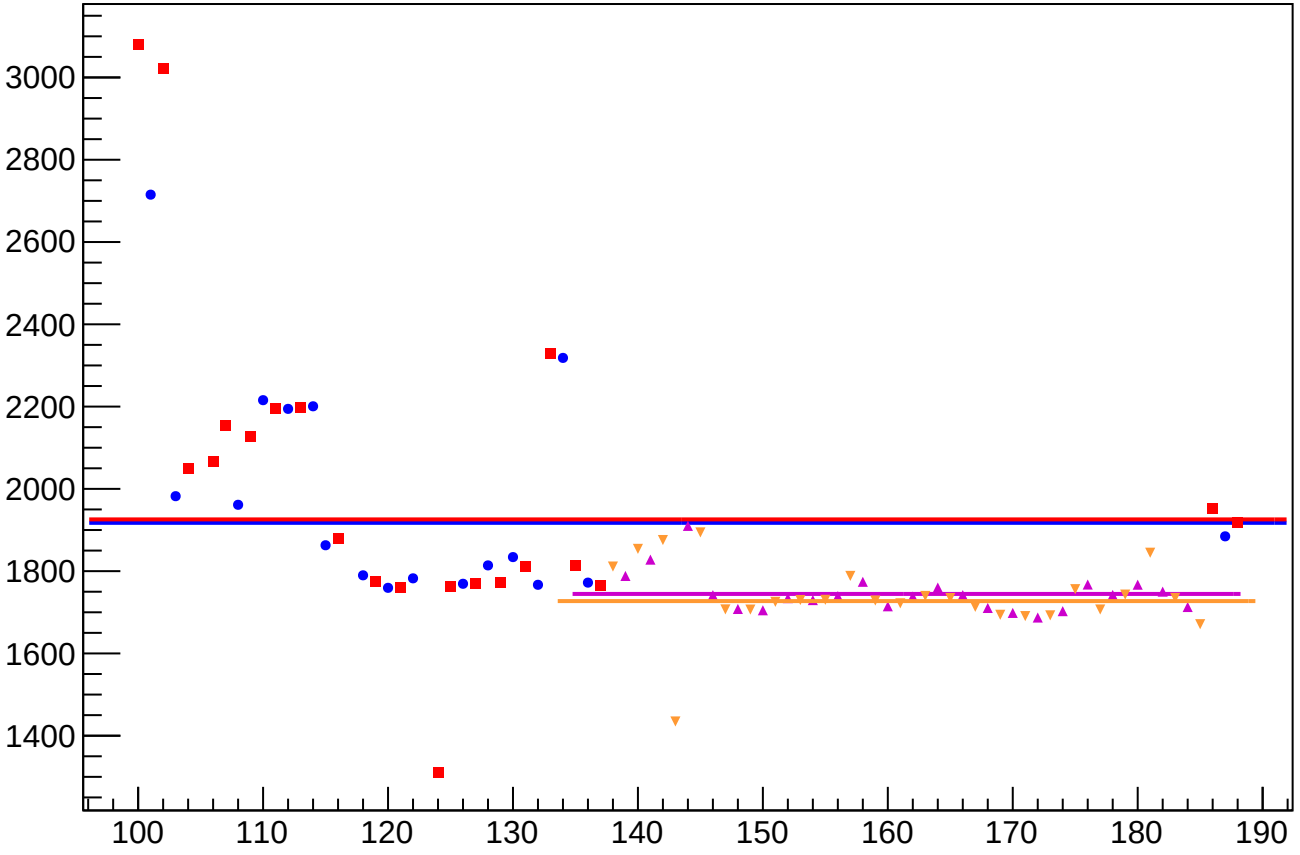
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1571.725+/-343.675 χ^2/NDF: 37.8/41

All: -326.893+/-244.163 χ^2/NDF: 139.6/85

- sign -2261.841+/-346.947 χ^2/NDF: 40.2/43

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1917.467+/-0.501 χ^2/NDF: 215710.4/16

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1925.800+/-0.467 χ^2/NDF: 339280.2/20

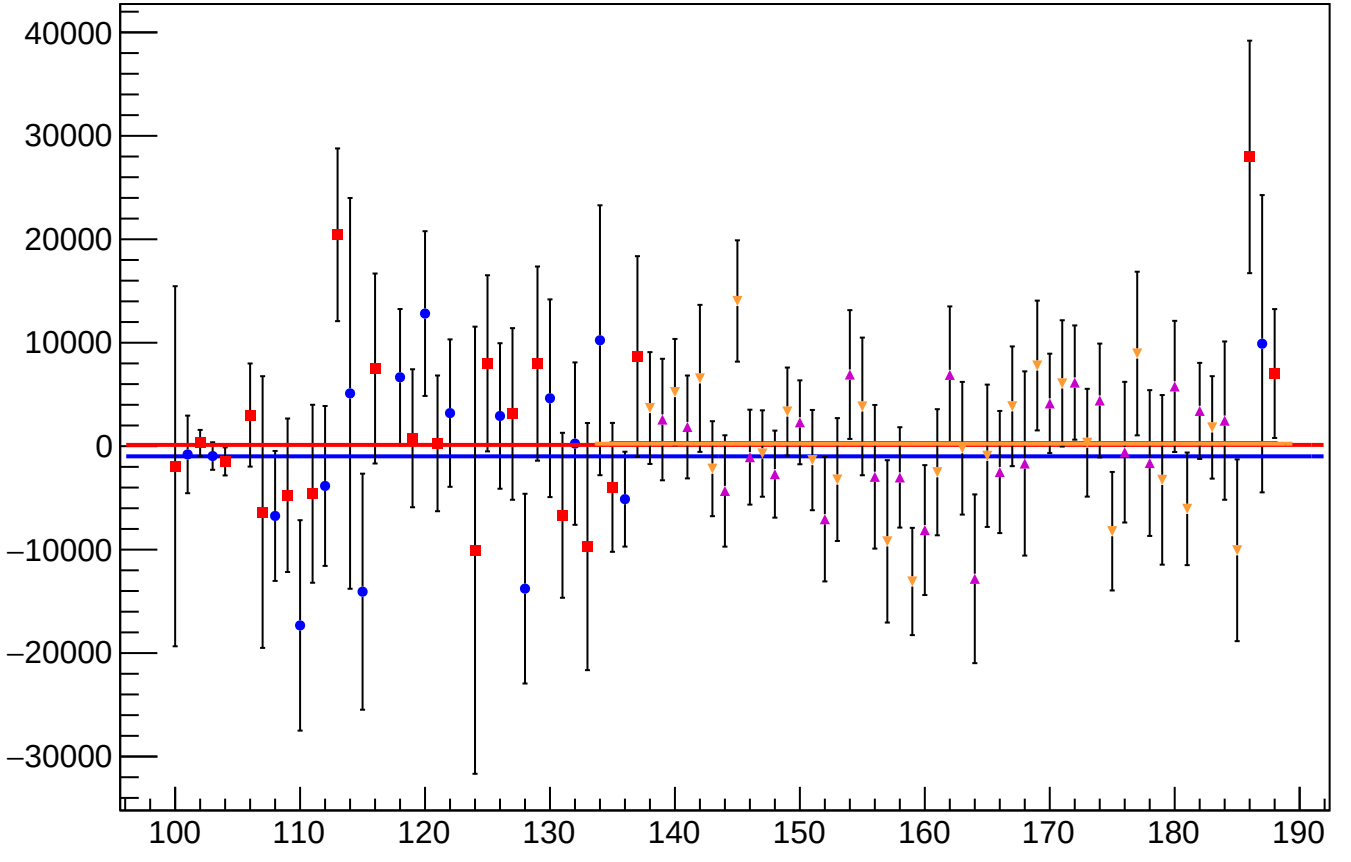
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1771.976+/-0.243 χ^2/NDF: 436206.4/41

All: 1783.162+/-0.173 χ^2/NDF: 915468.0/85

- sign 1794.557+/-0.245 χ^2/NDF: 474984.9/43

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -981.276+/-1069.432 χ^2/NDF: 14.4/16

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 124.476+/-825.995 χ^2/NDF: 21.2/20

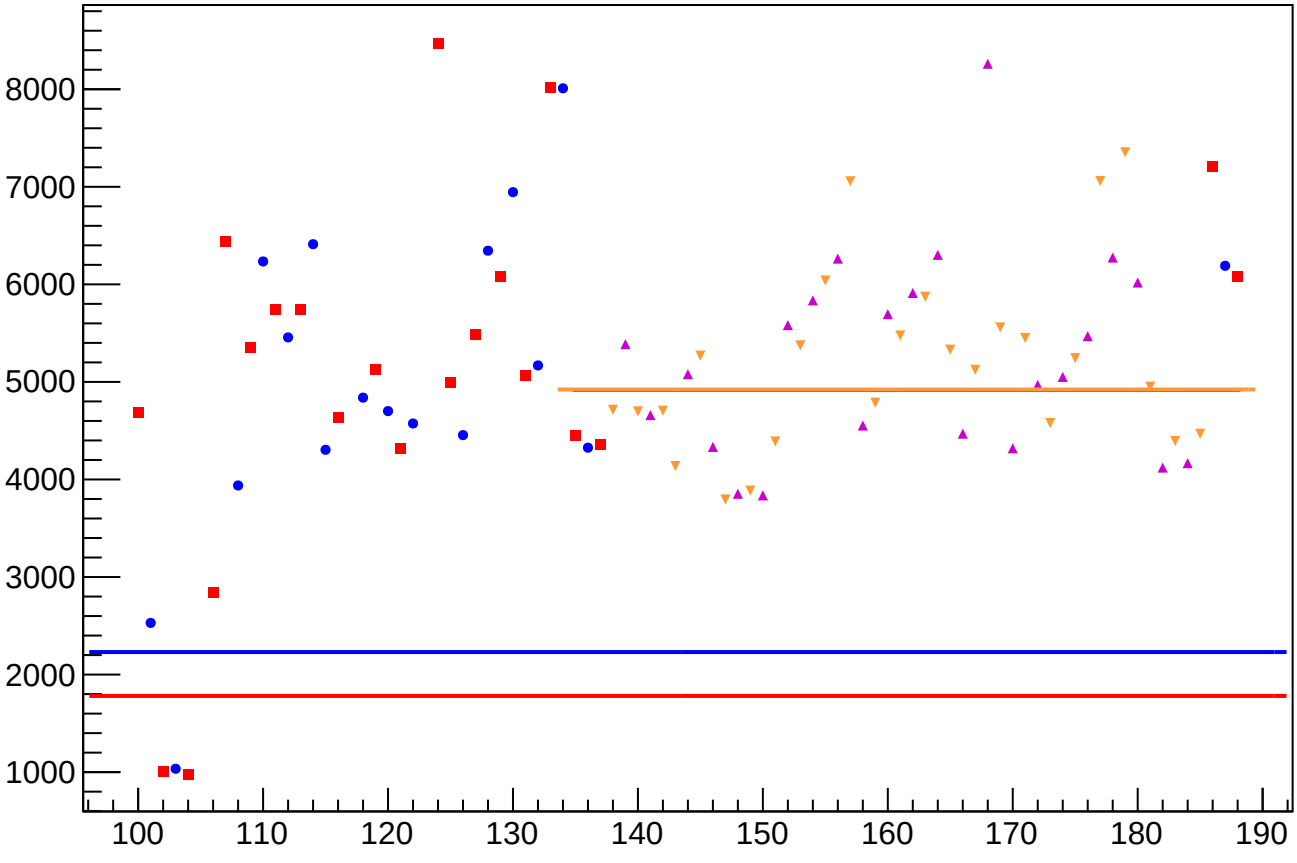
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -409.589+/-780.265 χ^2/NDF: 41.7/41

All: -69.602+/-510.478 χ^2/NDF: 77.8/85

- sign 184.820+/-674.976 χ^2/NDF: 35.7/43

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2230.966+/-0.756 χ^2/NDF: 5651711.2/16

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1781.590+/-0.584 χ^2/NDF: 8306297.7/20

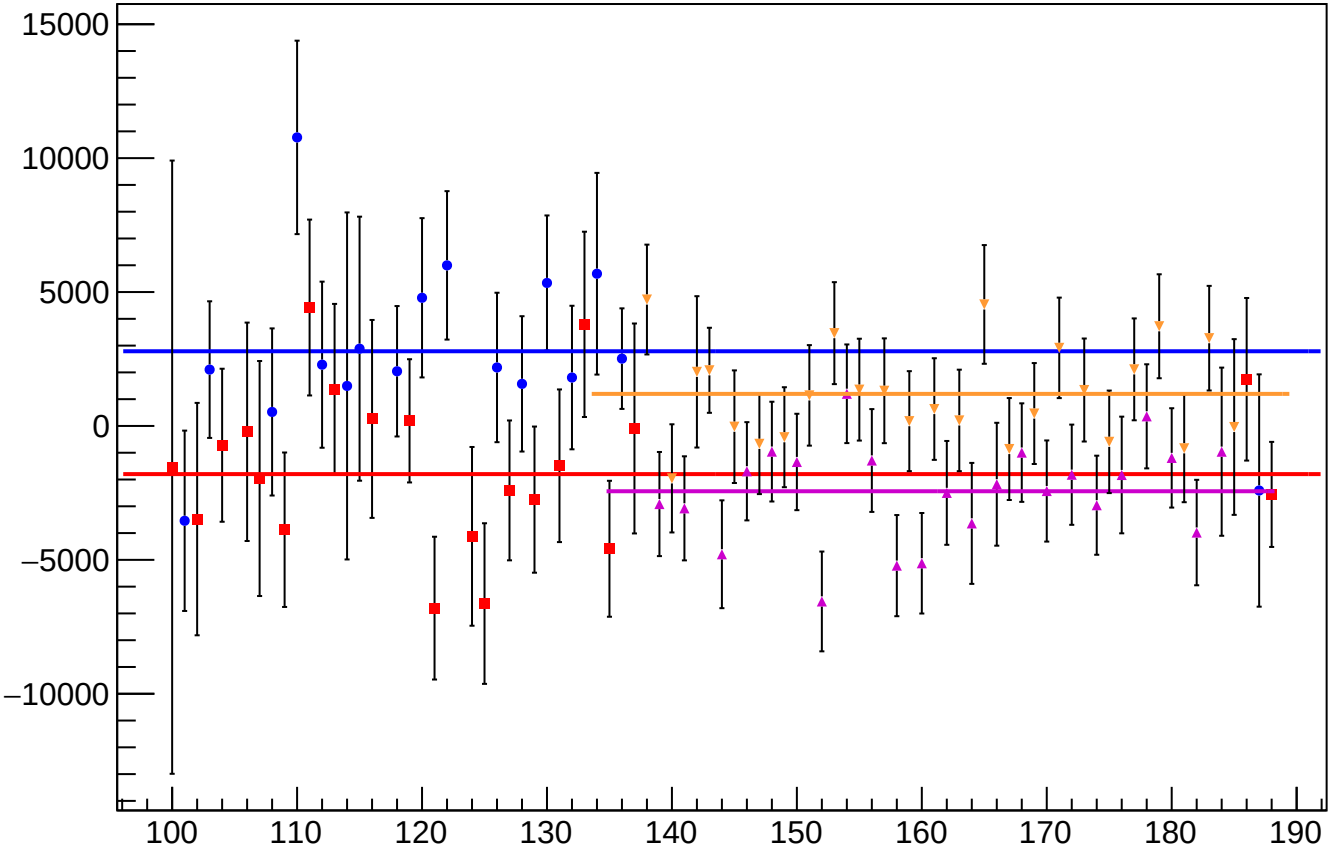
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

\+ sign 3489.669+/-0.552 χ^2/NDF: 12626292.3/41

All: 3108.511+/-0.361 χ^2/NDF: 32502853.7/8

\- sign 2823.279+/-0.477 χ^2/NDF: 19042150.6/43

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2789.083+/-708.653 χ^2/NDF: 14.5/16

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1797.947+/-661.248 χ^2/NDF: 18.9/20

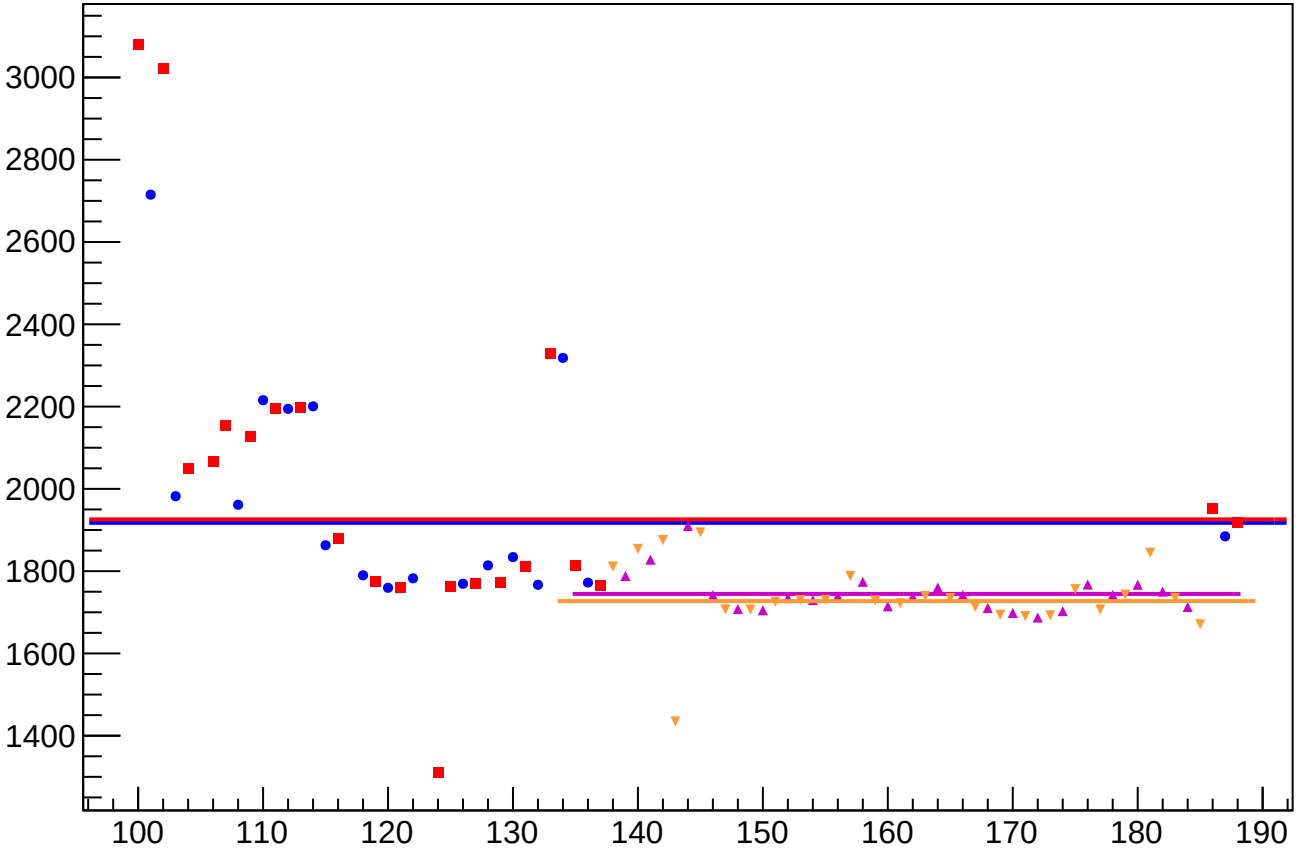
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1571.721+/-343.675 χ^2/NDF: 37.8/41

All: -326.896+/-244.163 χ^2/NDF: 139.6/85

- sign -2261.842+/-346.947 χ^2/NDF: 40.2/43

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1917.466+/-0.501 χ^2/NDF: 215710.4/16

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1925.799+/-0.467 χ^2/NDF: 339279.2/20

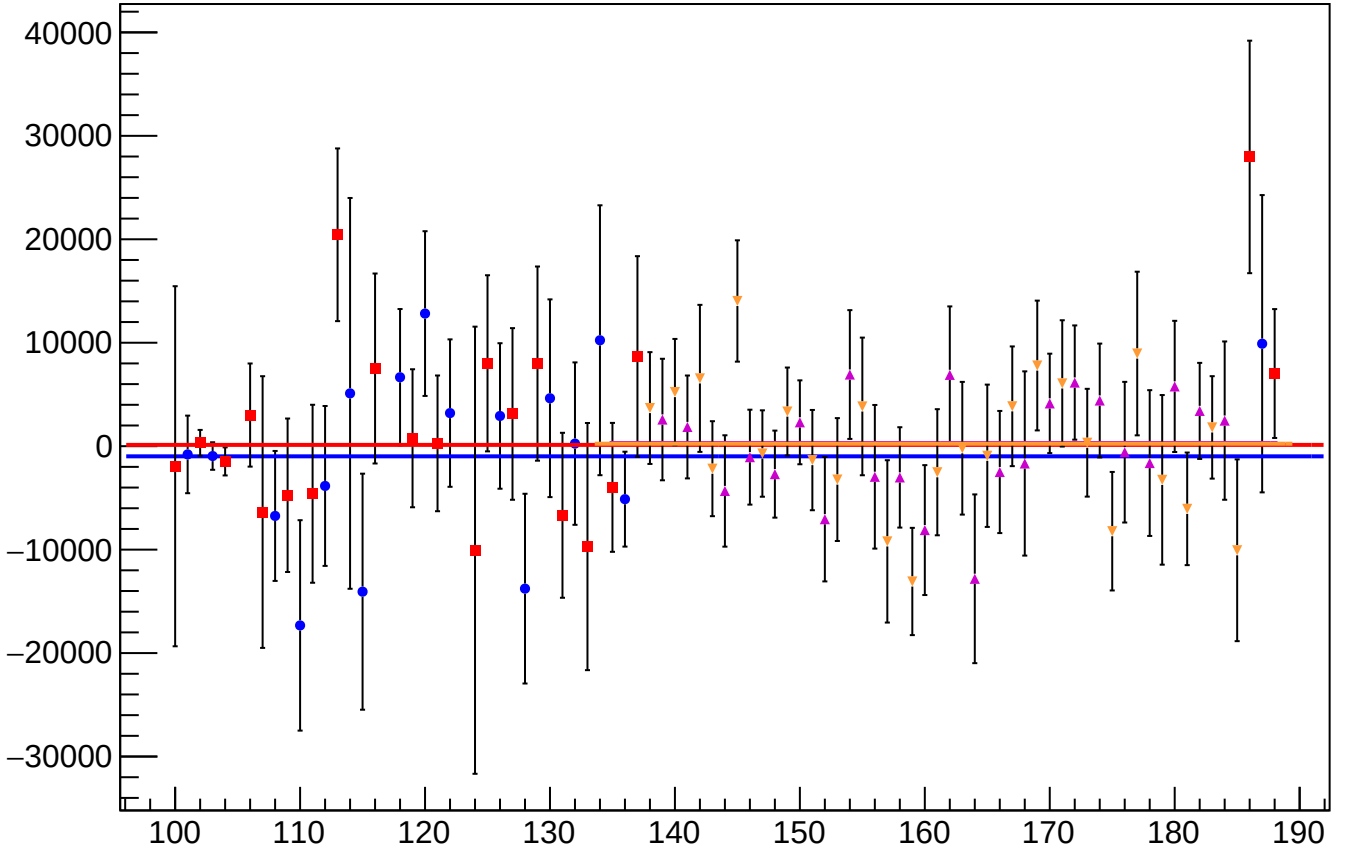
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1771.977+/-0.243 χ^2/NDF: 436203.8/41

All: 1783.162+/-0.173 χ^2/NDF: 915463.0/85

- sign 1794.557+/-0.245 χ^2/NDF: 474982.5/43

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -981.274+/-1069.431 χ^2/NDF: 14.4/16

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 124.481+/-825.994 χ^2/NDF: 21.2/20

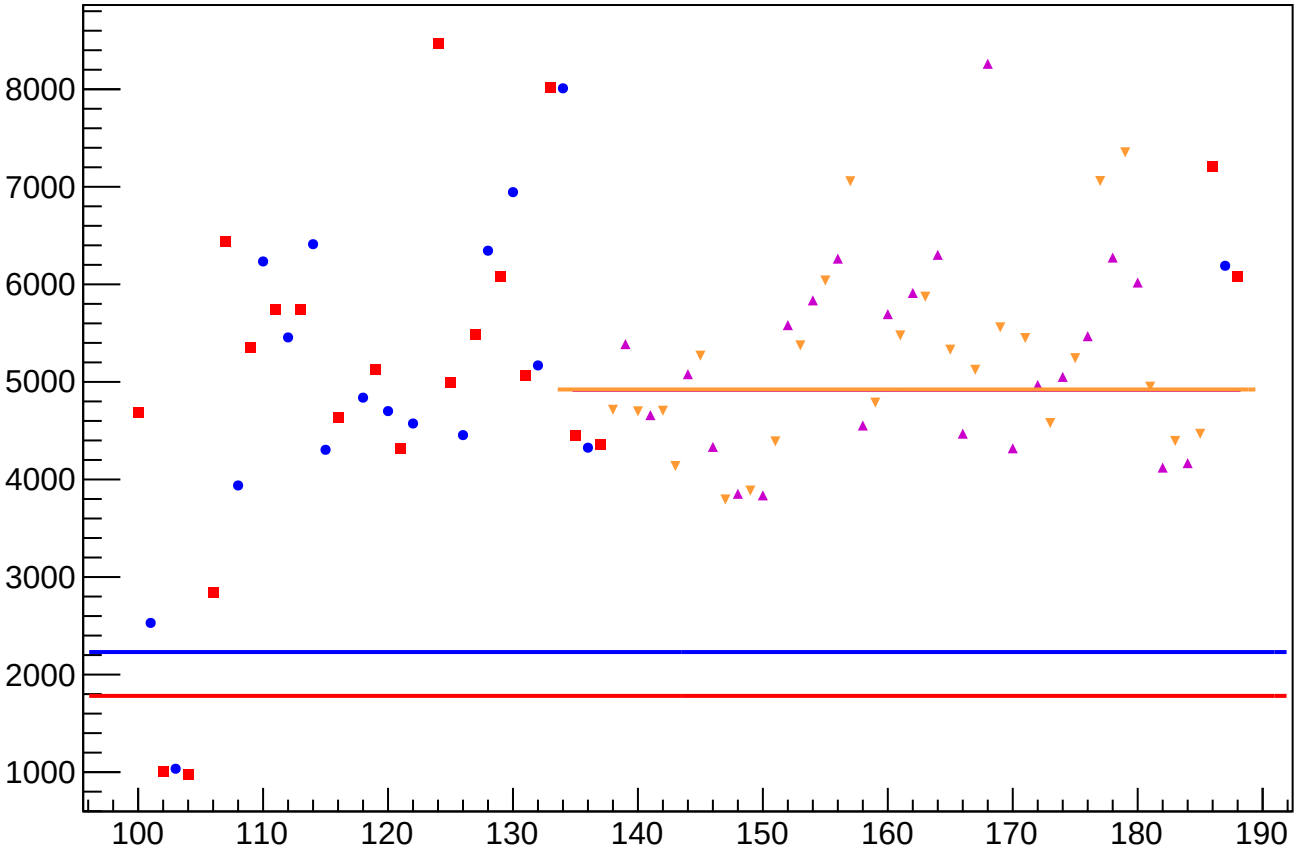
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -409.590+/-780.265 χ^2/NDF: 41.7/41

All: -69.600+/-510.478 χ^2/NDF: 77.8/85

- sign 184.824+/-674.976 χ^2/NDF: 35.7/43

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2230.965+/-0.756 χ^2/NDF: 5651704.4/16

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 1781.590+/-0.584 χ^2/NDF: 8306290.7/20

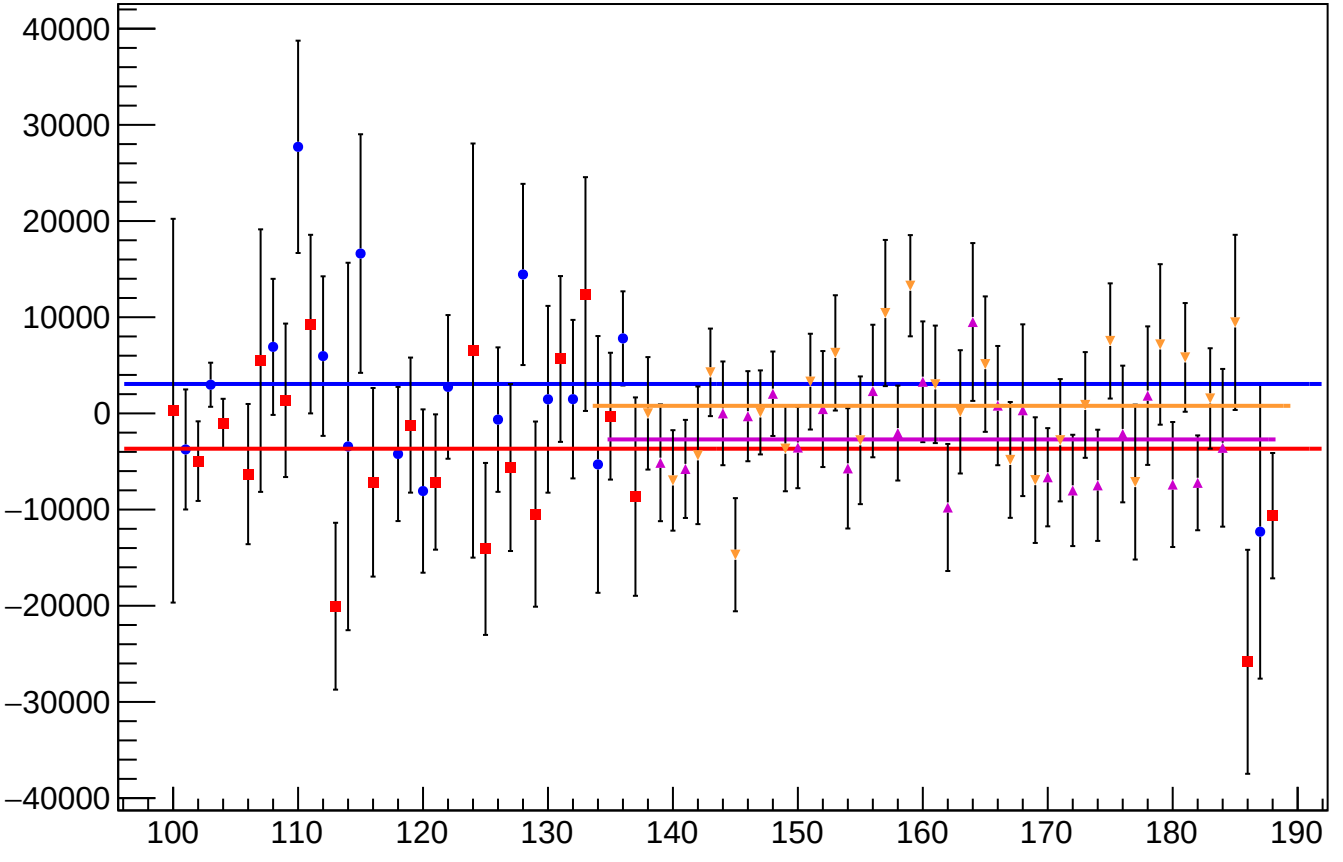
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3489.670+/-0.552 χ^2/NDF: 12626320.0/41

All: 3108.510+/-0.361 χ^2/NDF: 32502912.0/8

- sign 2823.278+/-0.477 χ^2/NDF: 19042179.3/43

asym_atl1r2_avg_mean vs Slug



Right In: 3059.717+/-1531.506 χ^2/NDF: 14.8/16

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3671.991+/-1497.344 χ^2/NDF: 18.4/20

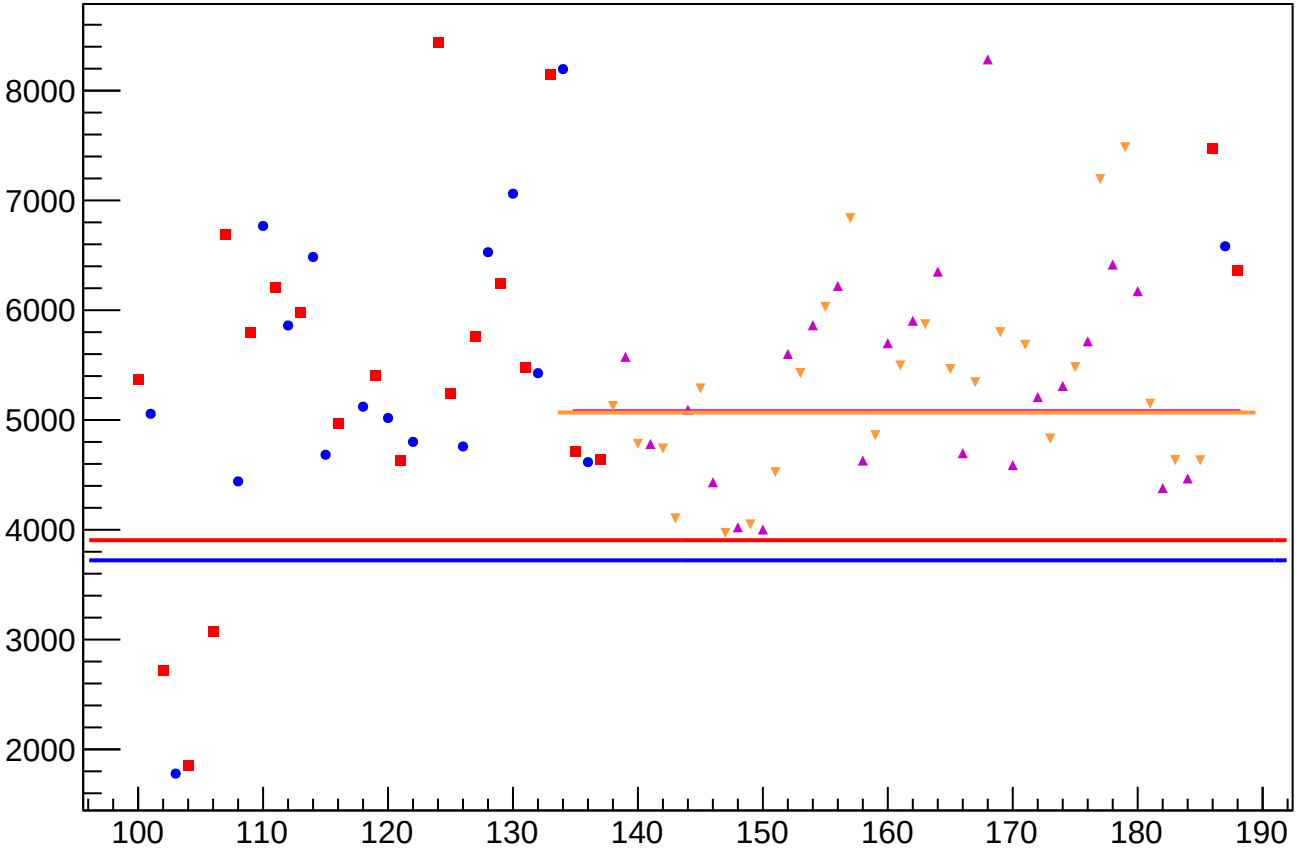
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1626.965+/-930.721 χ^2/NDF: 43.8/41

All: -707.676+/-661.155 χ^2/NDF: 87.1/85

- sign -3085.908+/-939.369 χ^2/NDF: 30.6/43

asym_atl1r2_avg_rms vs Slug



Right In: 3721.856+/-1.083 χ^2/NDF: 2956484.6/16

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

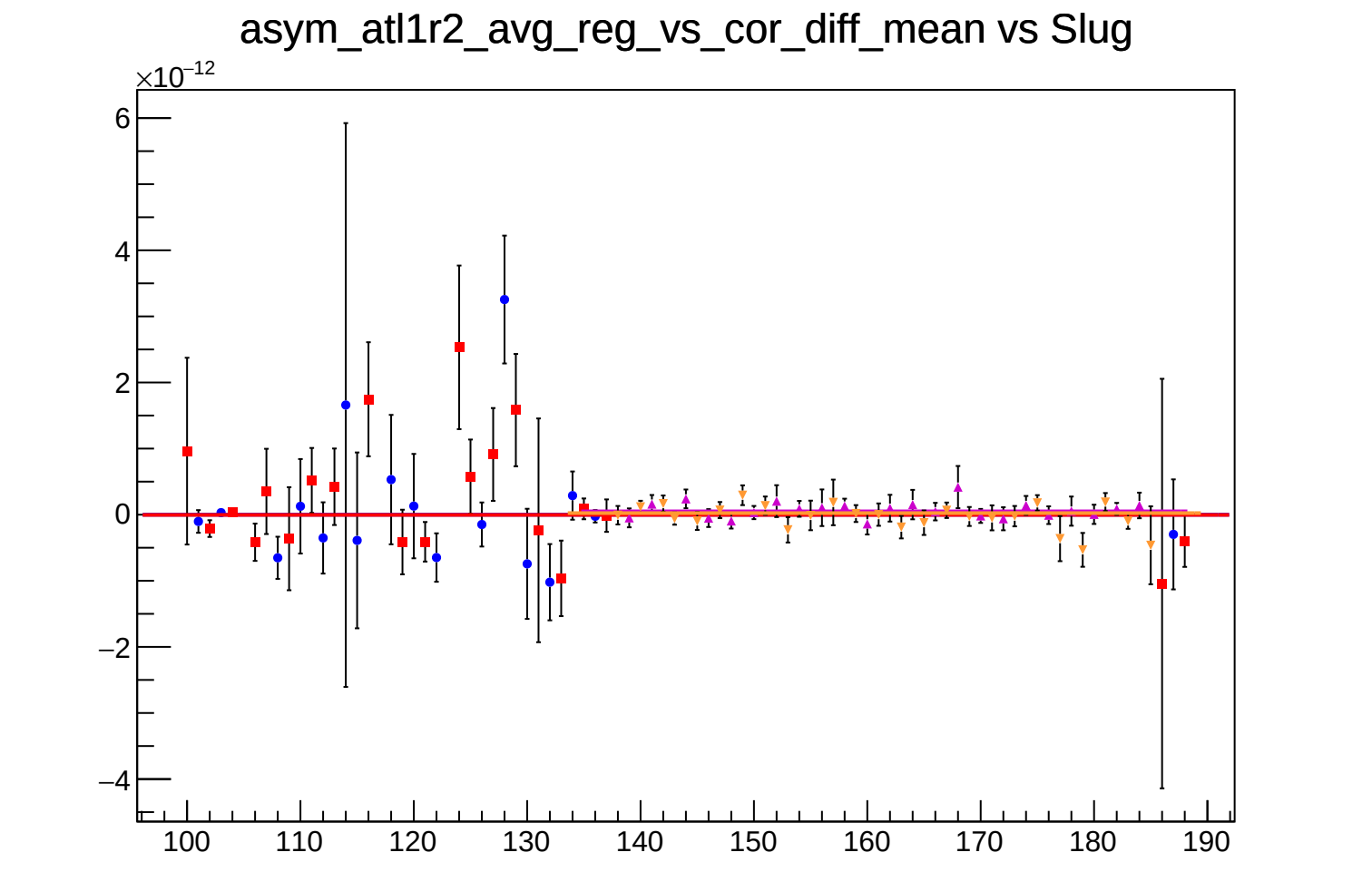
Right Out: 3904.903+/-1.049 χ^2/NDF: 3190372.6/20

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4570.780+/-0.658 χ^2/NDF: 4885098.4/41

All: 4591.318+/-0.467 χ^2/NDF: 9833767.4/85

- sign 4612.086+/-0.662 χ^2/NDF: 4946710.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/20

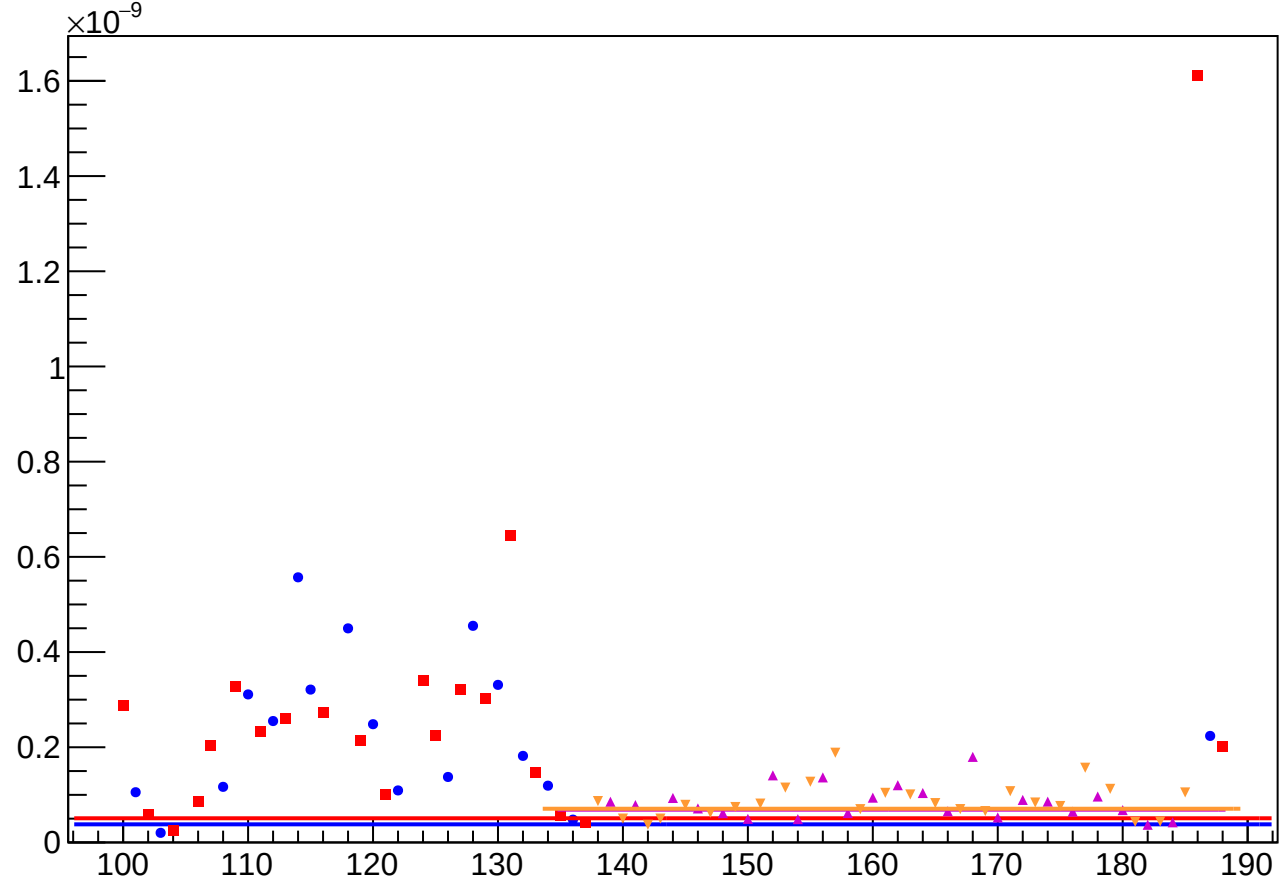
Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.4/41

All: 0.000+/-0.000 χ^2/NDF: 91.2/85

- sign 0.000+/-0.000 χ^2/NDF: 41.4/43

asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3240536.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

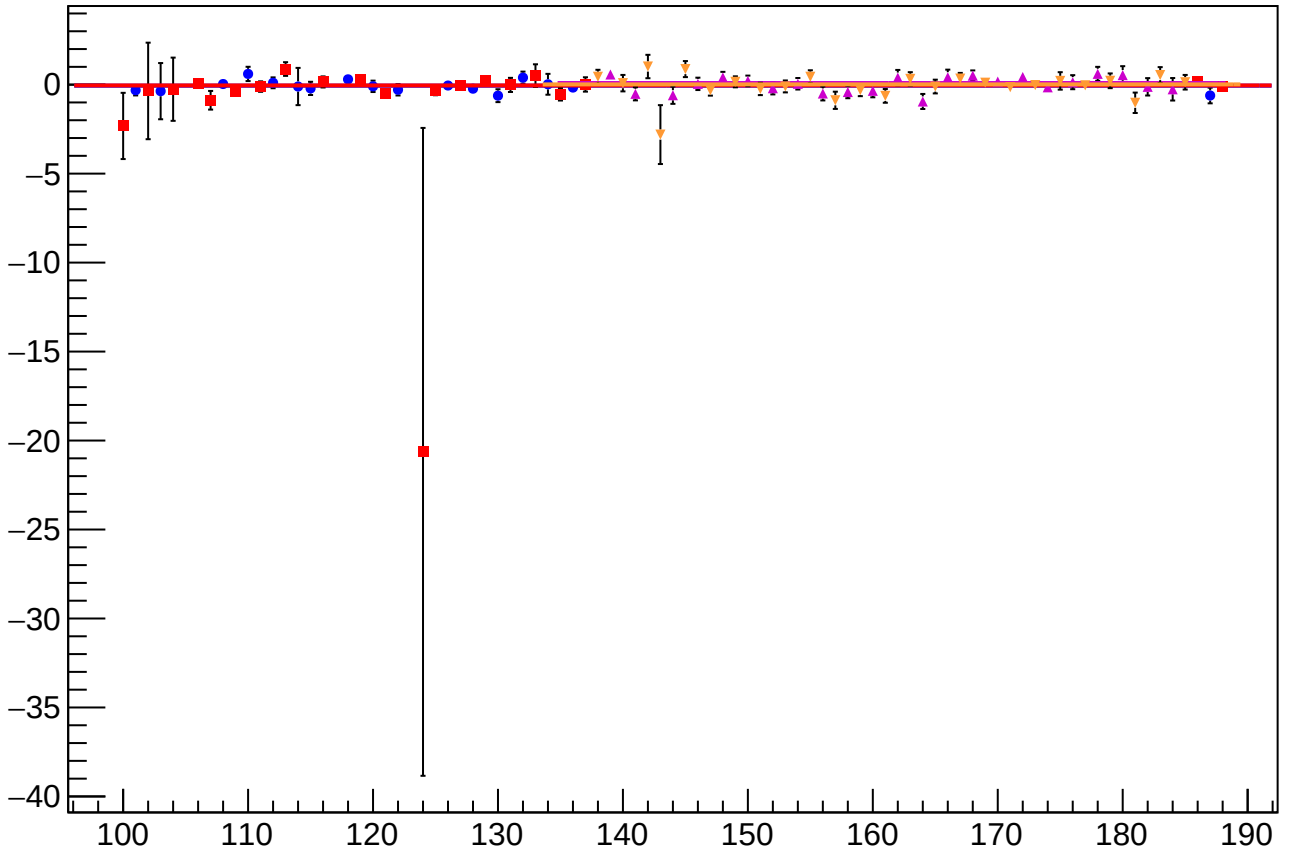
Right Out: 0.000+/-0.000 χ^2/NDF: 3706338.8/20

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5728447.4/41

All: 0.000+/-0.000 χ^2/NDF: 11145978.0/85

- sign 0.000+/-0.000 χ^2/NDF: 5367791.1/43



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.045+/-0.063 χ^2/NDF: 24.8/20

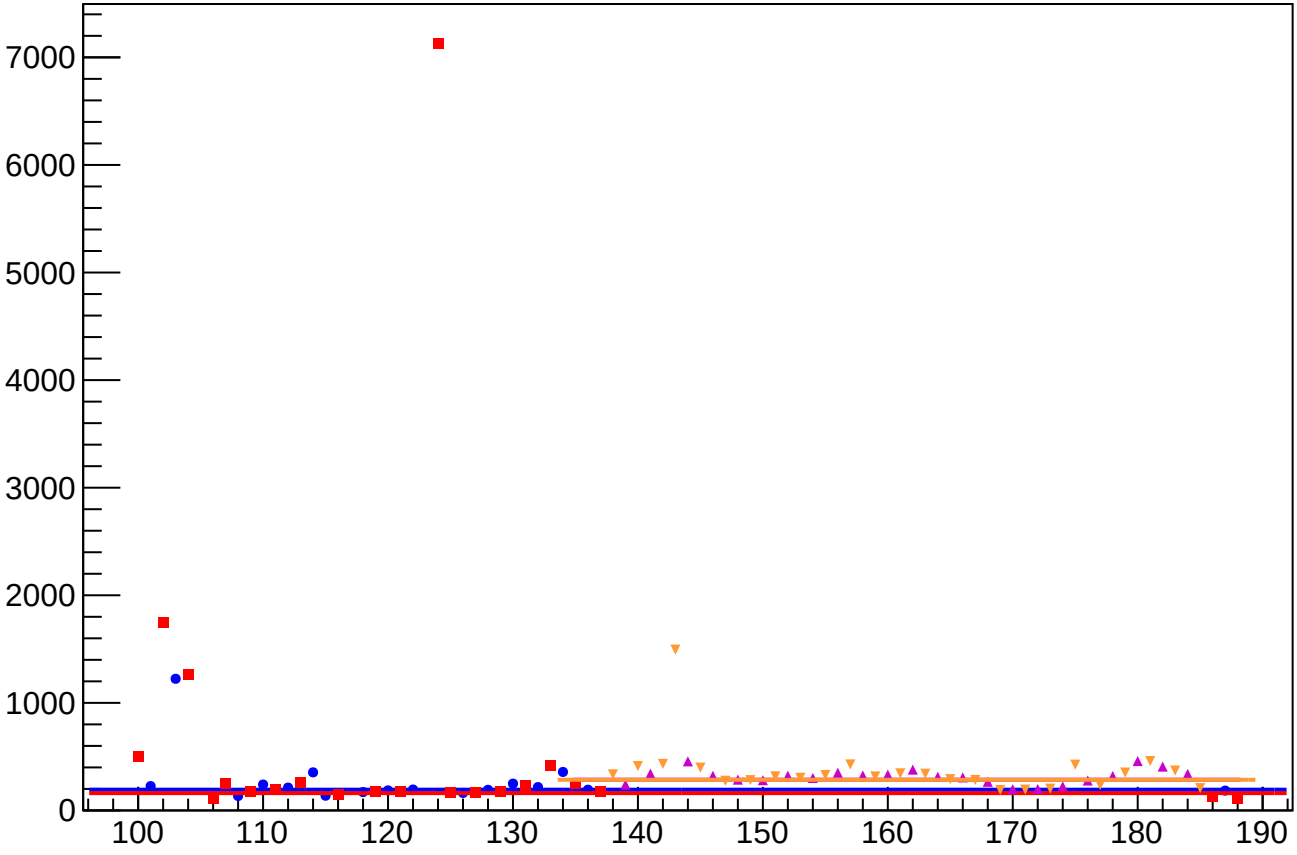
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.019+/-0.052 χ^2/NDF: 42.1/41

All: 0.000+/-0.035 χ^2/NDF: 100.1/85

- sign 0.015+/-0.047 χ^2/NDF: 57.8/43

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 192.978+/-0.054 χ^2/NDF: 1409192.7/16

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

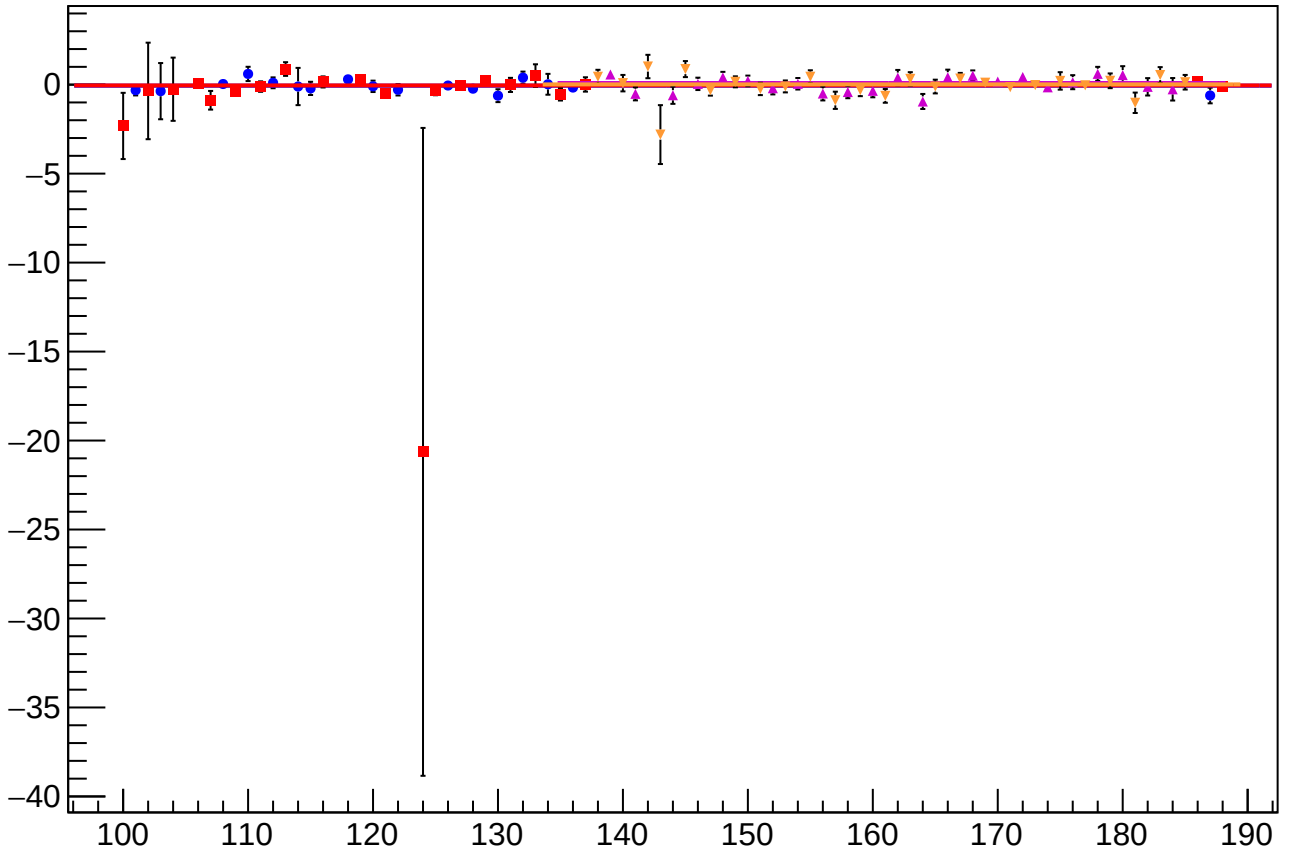
Right Out: 160.995+/-0.045 χ^2/NDF: 3061383.9/20

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.241+/-0.036 χ^2/NDF: 6394707.4/41

All: 228.638+/-0.025 χ^2/NDF: 14985766.9/85

- sign 216.538+/-0.033 χ^2/NDF: 8298045.8/43



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.045+/-0.063 χ^2/NDF: 24.8/20

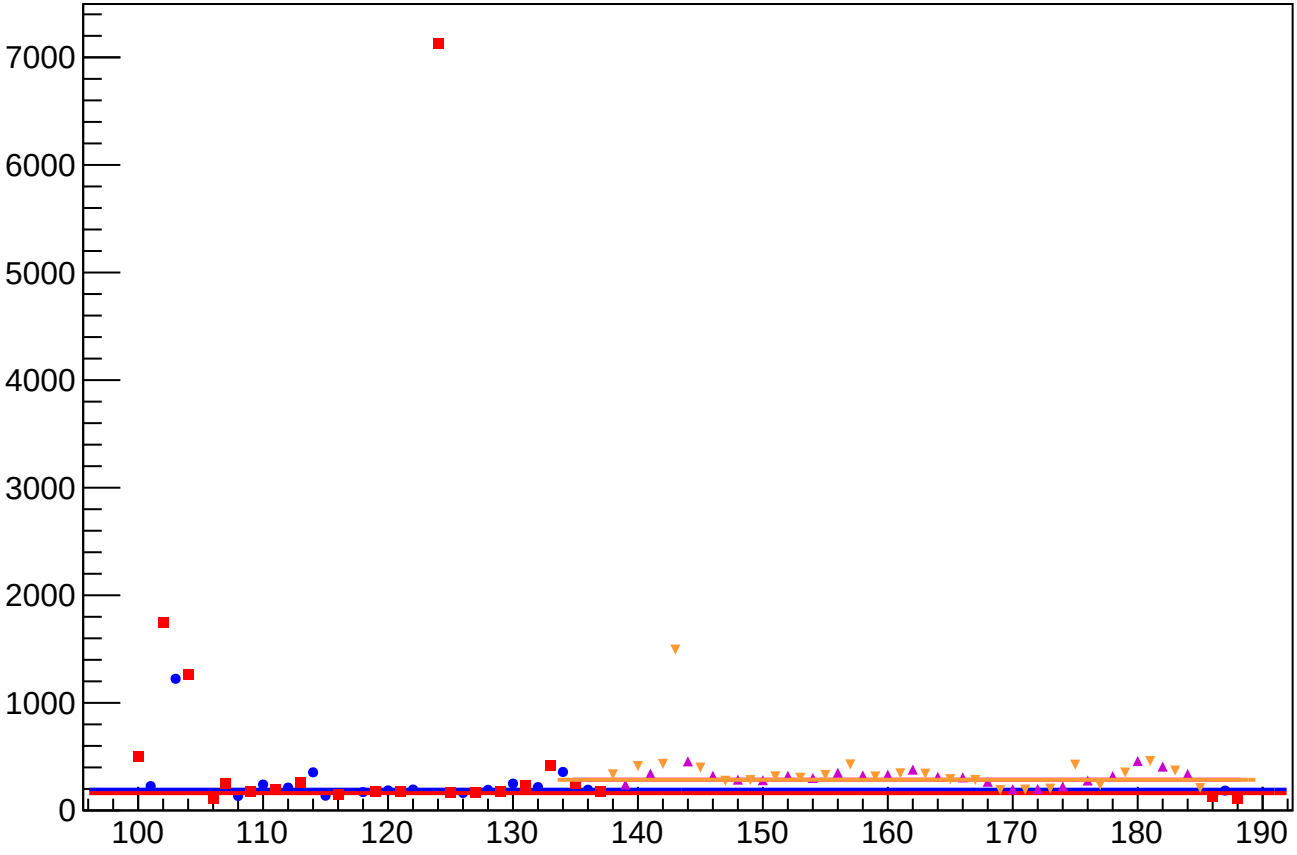
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.019+/-0.052 χ^2/NDF: 42.1/41

All: 0.000+/-0.035 χ^2/NDF: 100.1/85

- sign 0.015+/-0.047 χ^2/NDF: 57.8/43

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 192.978+/-0.054 χ^2/NDF: 1409192.7/16

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

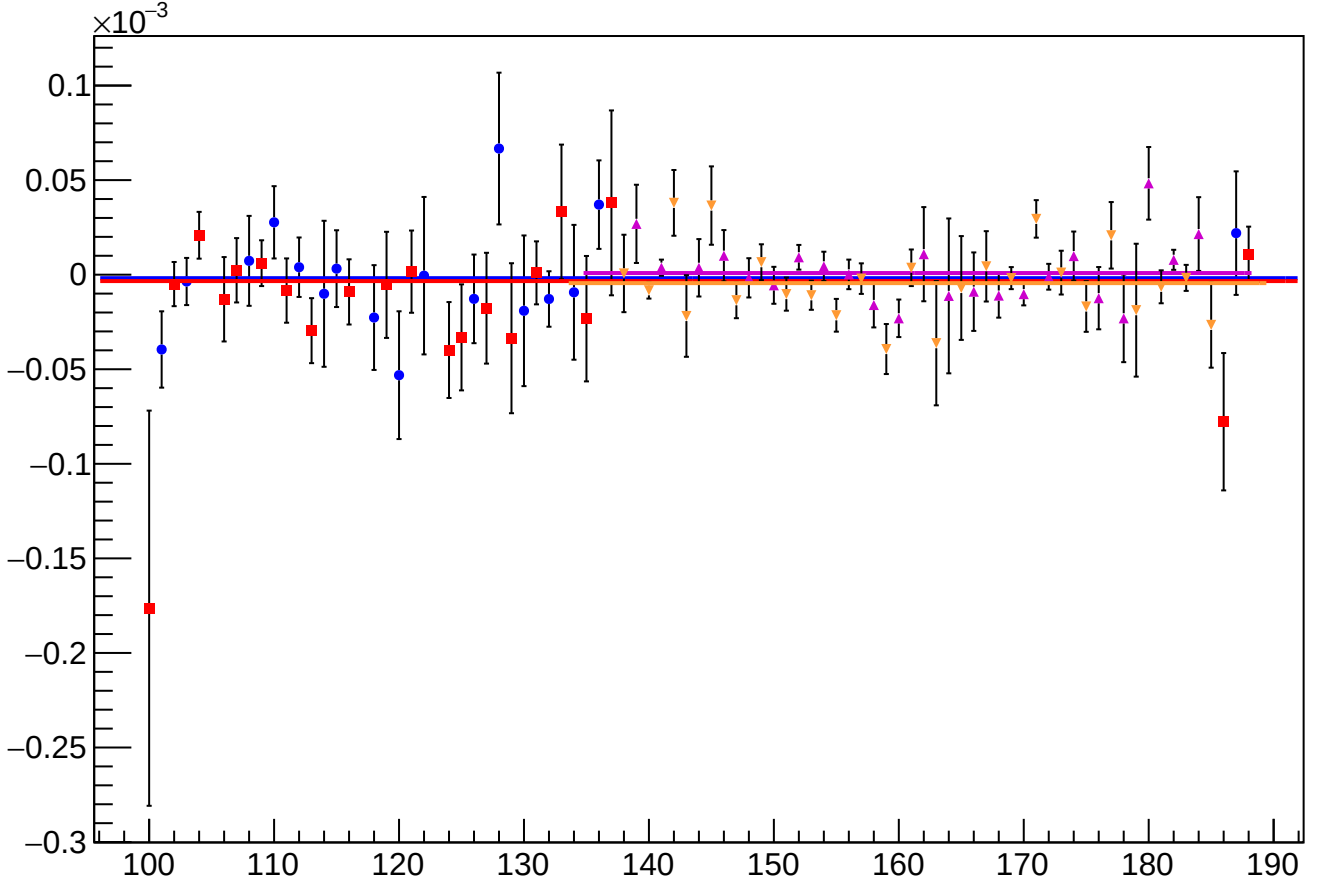
Right Out: 160.995+/-0.045 χ^2/NDF: 3061383.9/20

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.241+/-0.036 χ^2/NDF: 6394707.4/41

All: 228.638+/-0.025 χ^2/NDF: 14985766.9/85

- sign 216.538+/-0.033 χ^2/NDF: 8298045.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

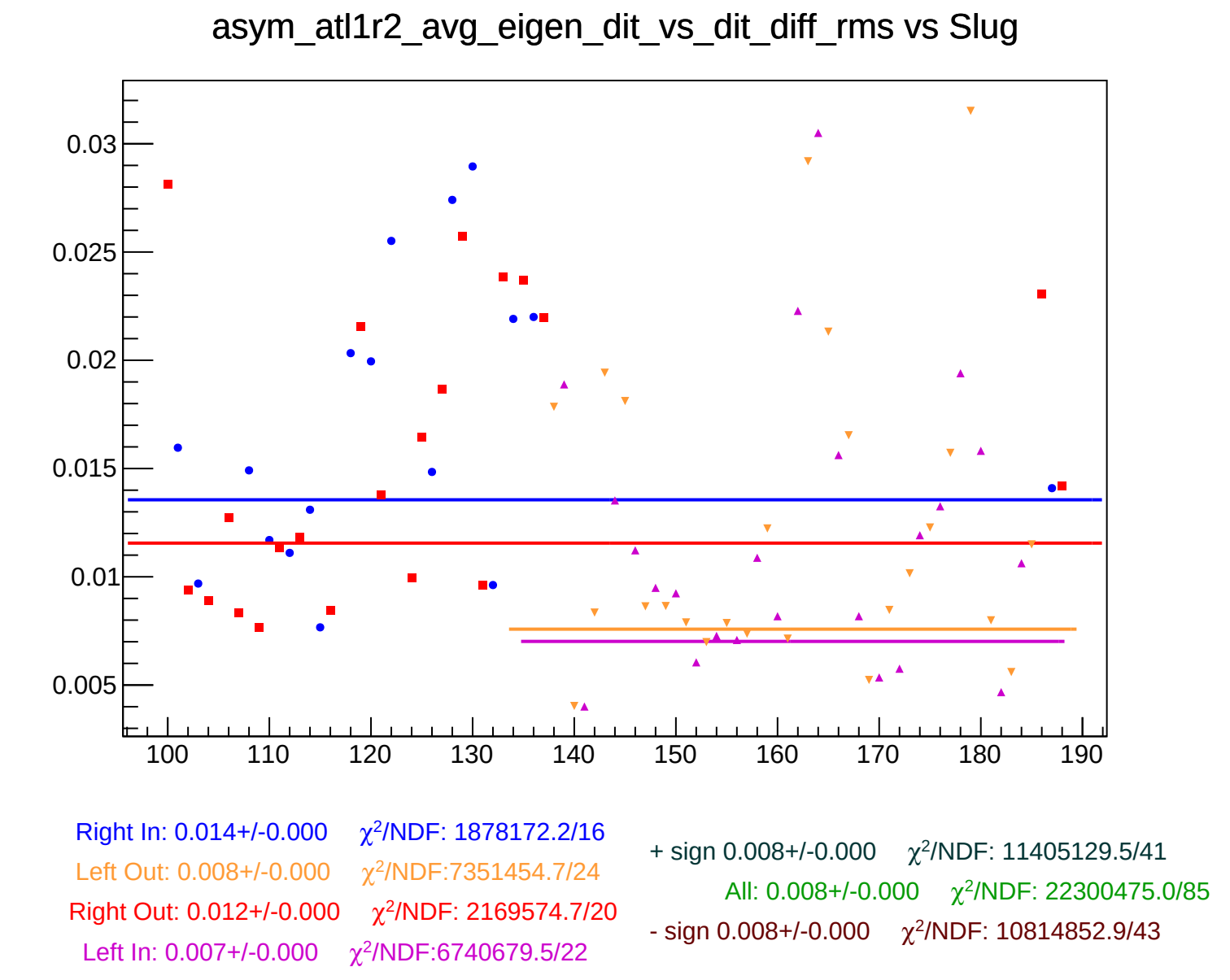
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/20

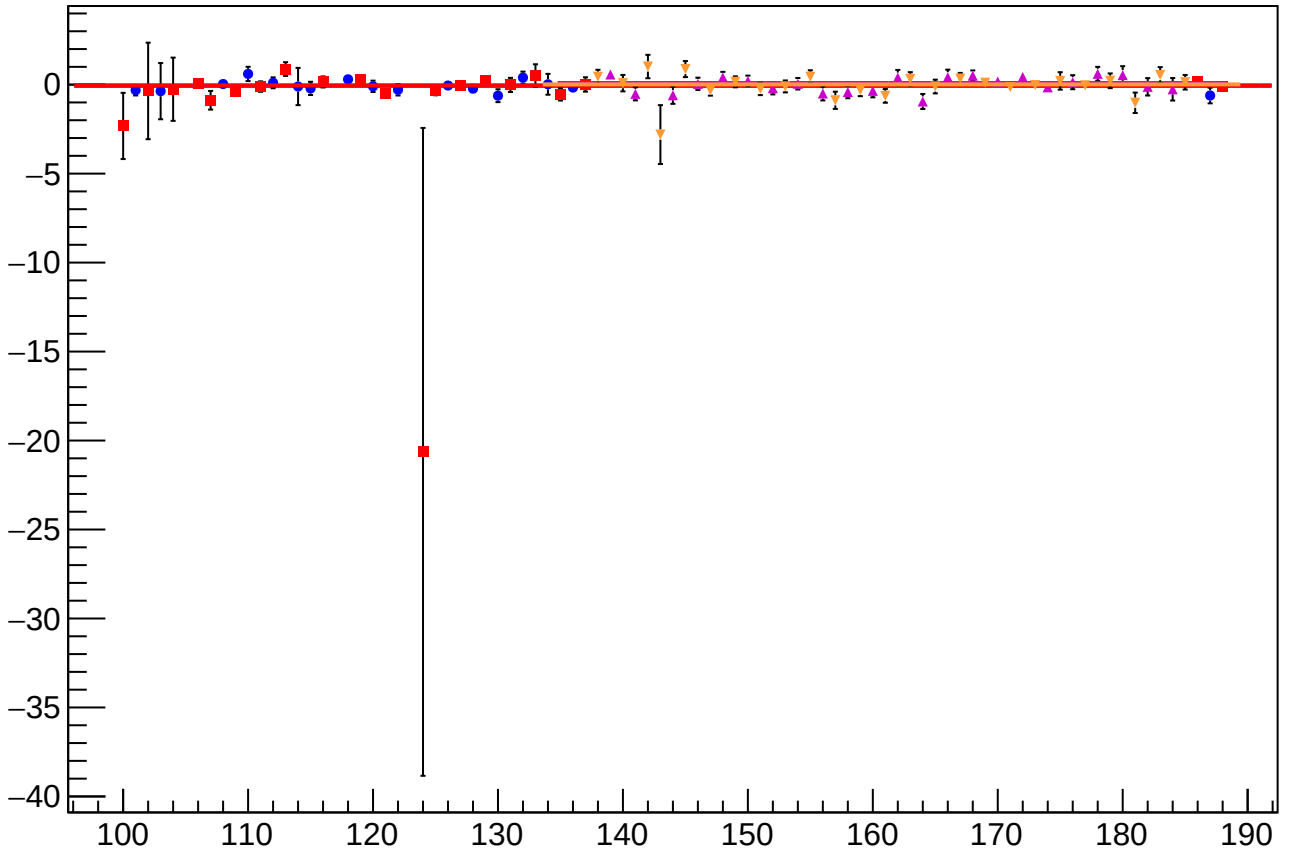
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.5/41

All: -0.000+/-0.000 χ^2/NDF: 114.6/85

- sign 0.000+/-0.000 χ^2/NDF: 51.2/43


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.014+/-0.000 χ²/NDF: 1878172.2/16
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.012+/-0.000 χ²/NDF: 2169574.7/20
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
+ sign 0.008+/-0.000 χ²/NDF: 11405129.5/41
All: 0.008+/-0.000 χ²/NDF: 22300475.0/85
- sign 0.008+/-0.000 χ²/NDF: 10814852.9/43



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.045+/-0.063 χ^2/NDF: 24.8/20

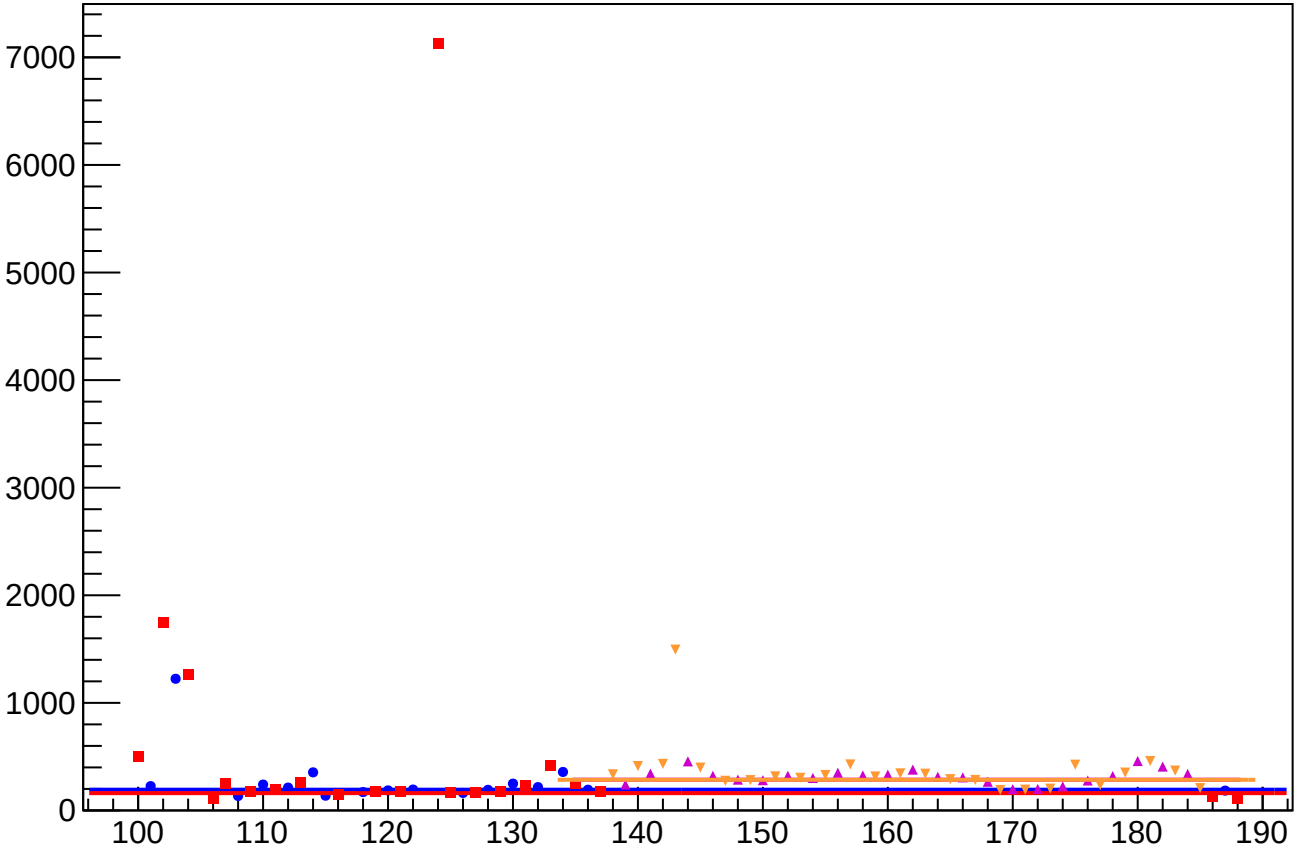
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.019+/-0.052 χ^2/NDF: 42.1/41

All: 0.000+/-0.035 χ^2/NDF: 100.1/85

- sign 0.015+/-0.047 χ^2/NDF: 57.8/43

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 192.977+/-0.054 χ^2/NDF: 1409186.7/16

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

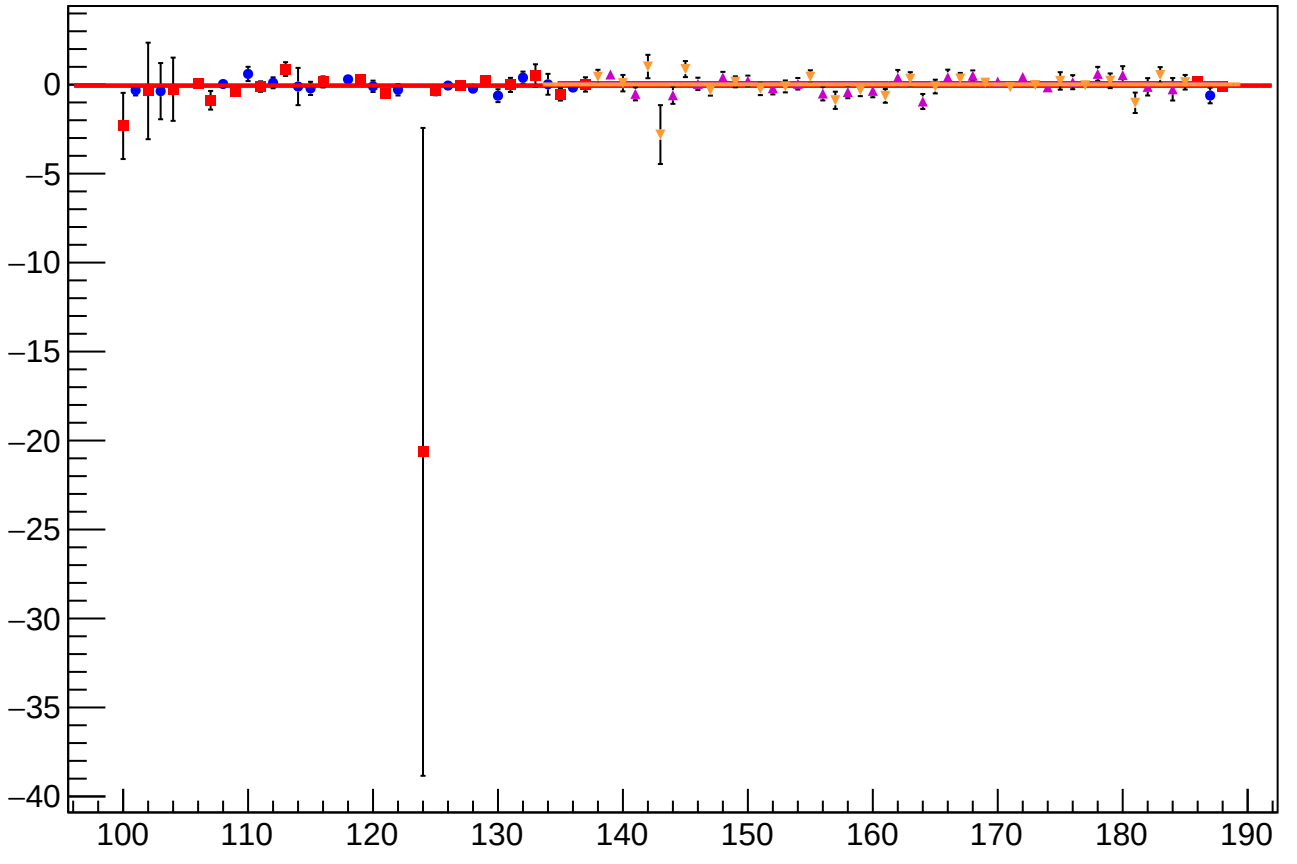
Right Out: 160.992+/-0.045 χ^2/NDF: 3061456.6/20

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.241+/-0.036 χ^2/NDF: 6394883.8/41

All: 228.637+/-0.025 χ^2/NDF: 14986405.5/85

- sign 216.536+/-0.033 χ^2/NDF: 8298466.5/43



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

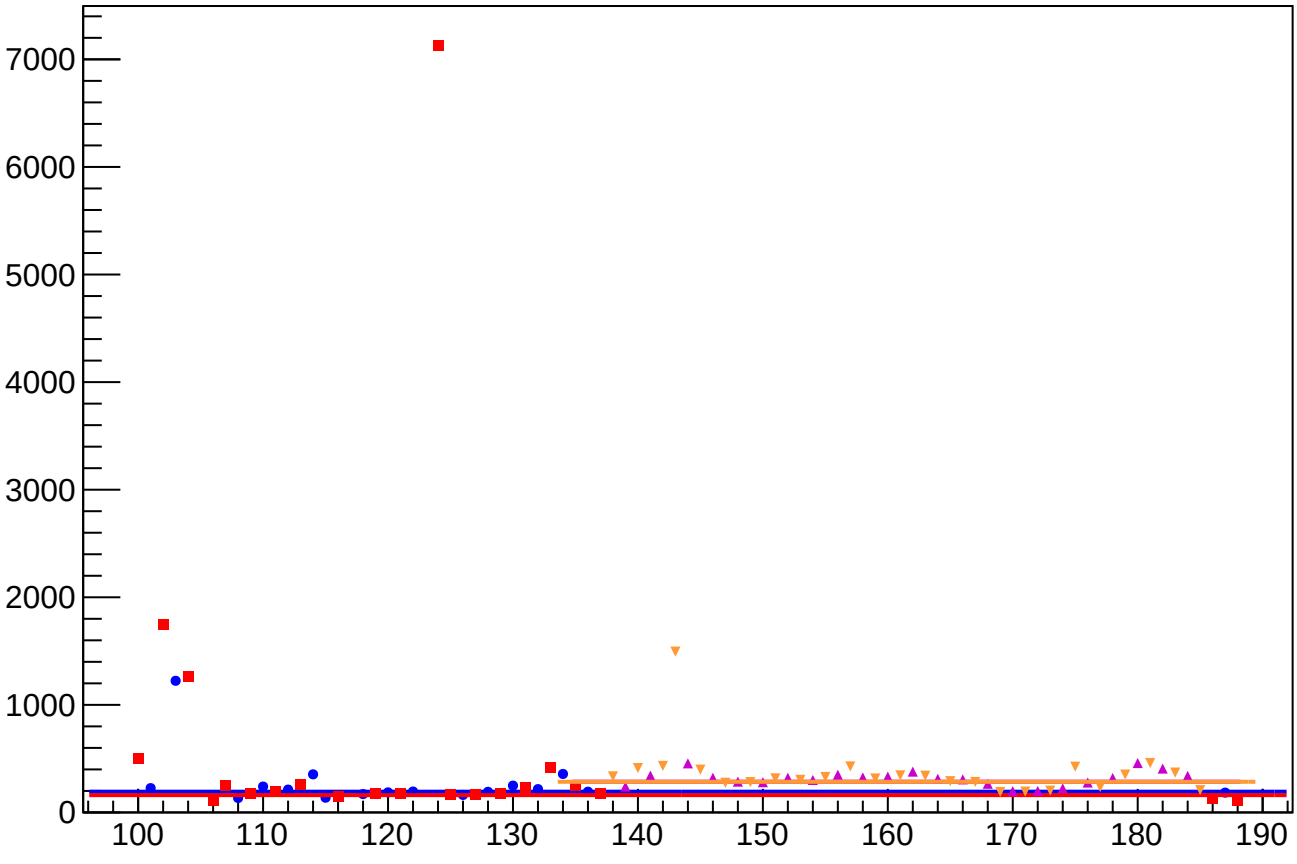
Right Out: -0.045+/-0.063 χ^2/NDF: 24.8/20

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.019+/-0.052 χ^2/NDF: 42.1/41

All: 0.000+/-0.035 χ^2/NDF: 100.1/85

- sign 0.015+/-0.047 χ^2/NDF: 57.8/43



Right In: 192.977+/-0.054 χ^2/NDF: 1409186.7/16

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

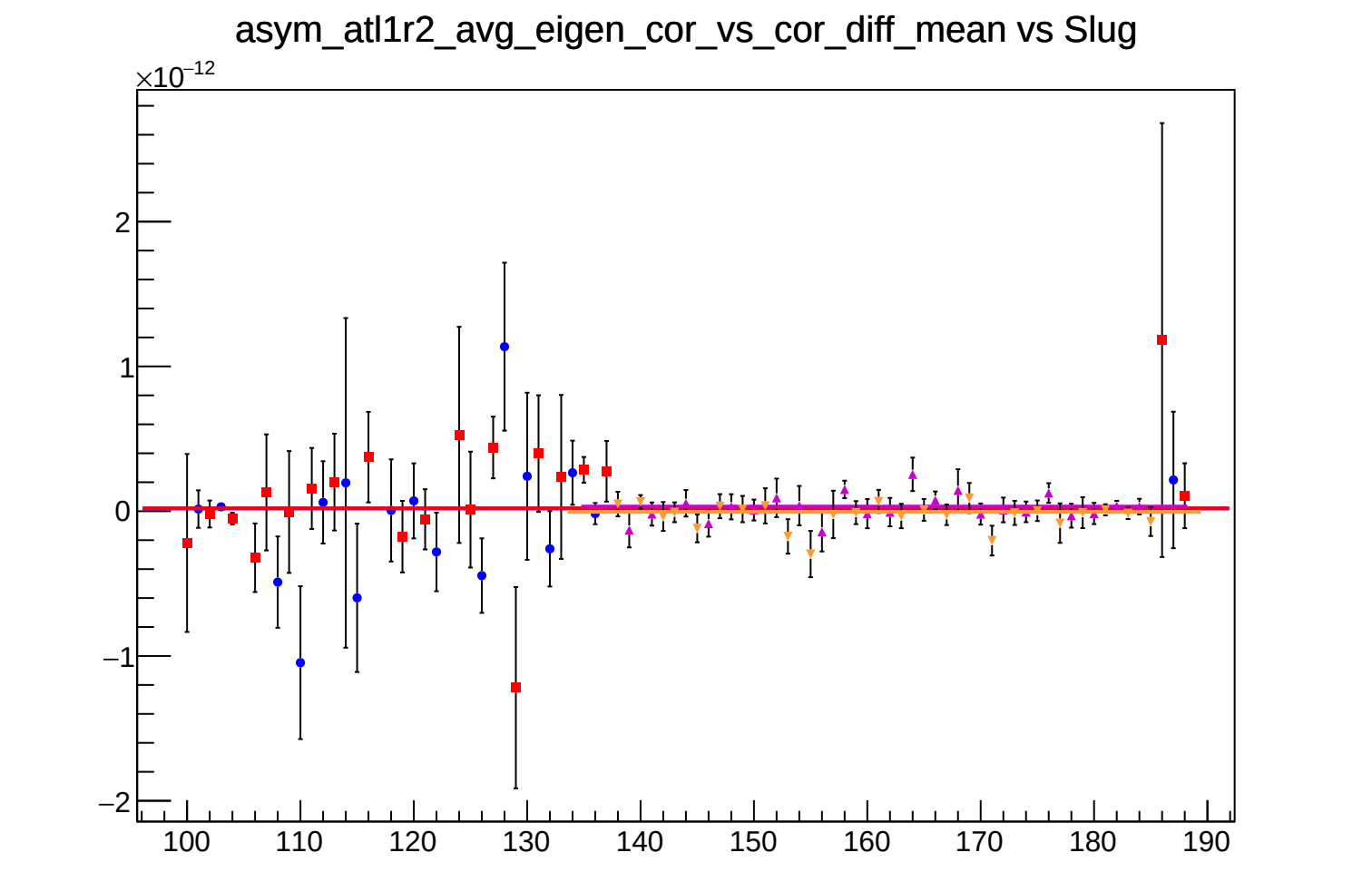
Right Out: 160.992+/-0.045 χ^2/NDF: 3061456.6/20

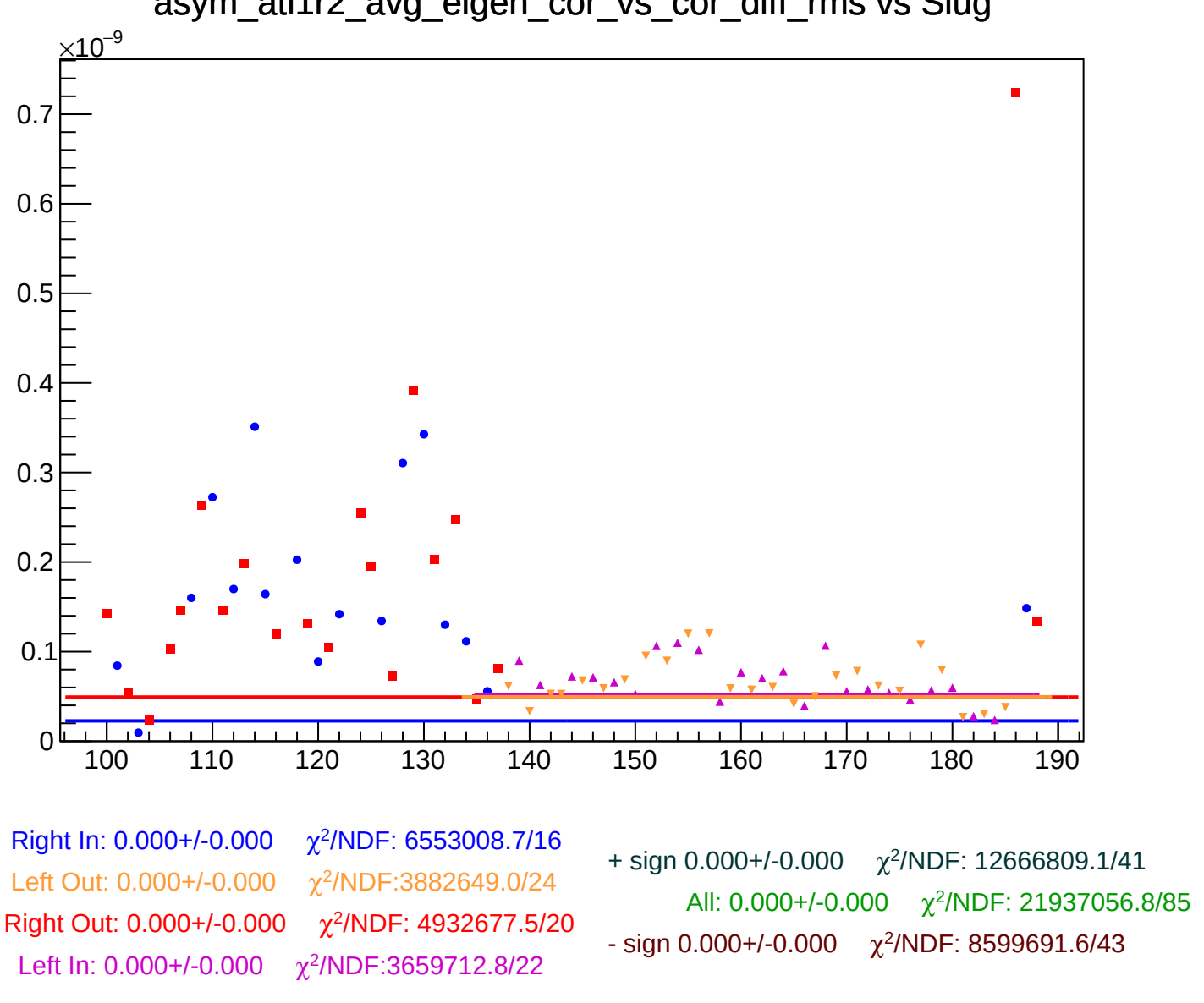
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.241+/-0.036 χ^2/NDF: 6394883.8/41

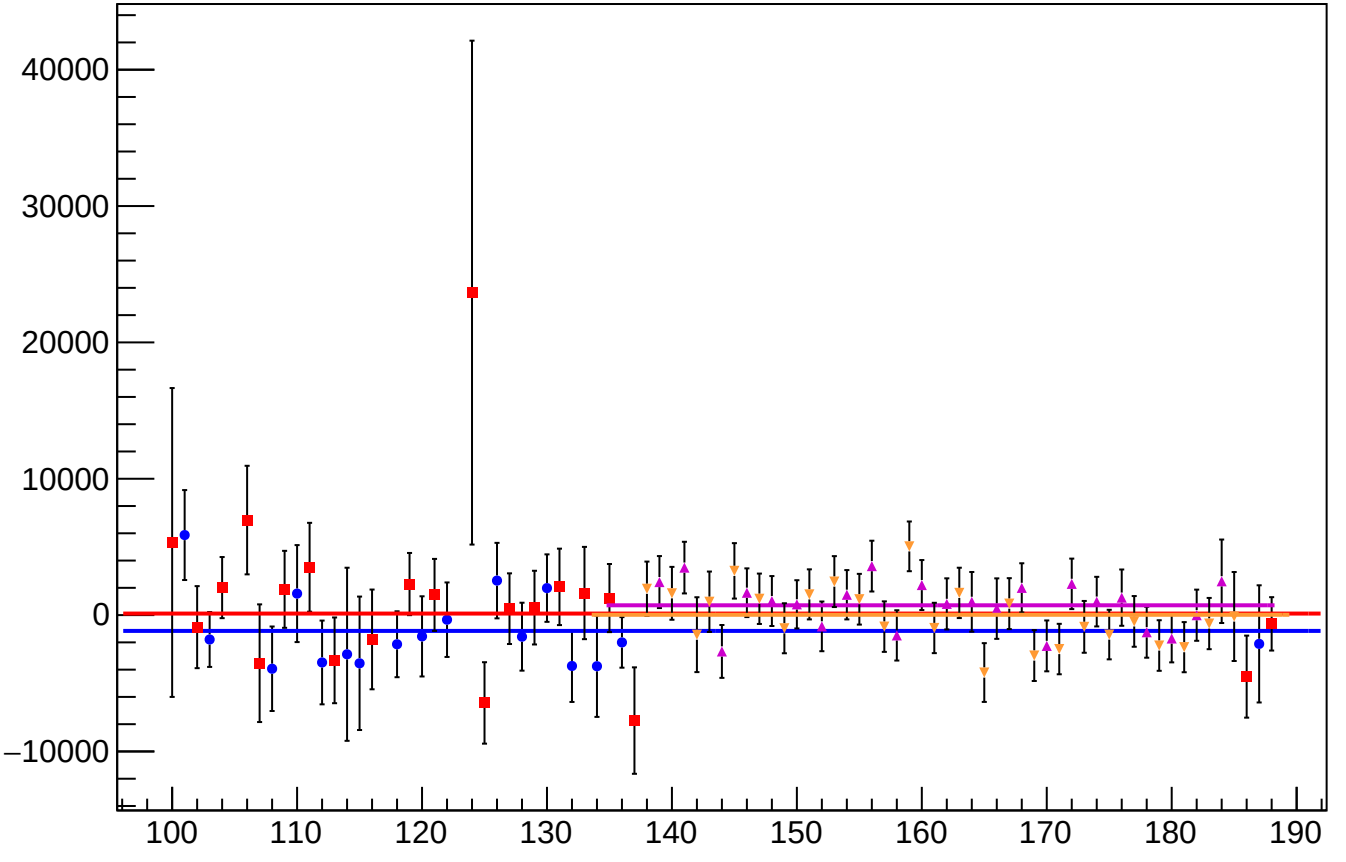
All: 228.637+/-0.025 χ^2/NDF: 14986405.5/85

- sign 216.536+/-0.033 χ^2/NDF: 8298466.5/43


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.6/16
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.9/20
Left In: 0.000+/-0.000 χ²/NDF:18.7/22
+ sign 0.000+/-0.000 χ²/NDF: 37.0/41
All: 0.000+/-0.000 χ²/NDF: 85.8/85
- sign 0.000+/-0.000 χ²/NDF: 46.8/43


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 6553008.7/16
Left Out: 0.000+/-0.000 χ²/NDF:3882649.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 4932677.5/20
Left In: 0.000+/-0.000 χ²/NDF:3659712.8/22
+ sign 0.000+/-0.000 χ²/NDF: 12666809.1/41
All: 0.000+/-0.000 χ²/NDF: 21937056.8/85
- sign 0.000+/-0.000 χ²/NDF: 8599691.6/43

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1159.434+/-684.911 χ^2/NDF: 12.3/16

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 112.631+/-648.453 χ^2/NDF: 22.8/20

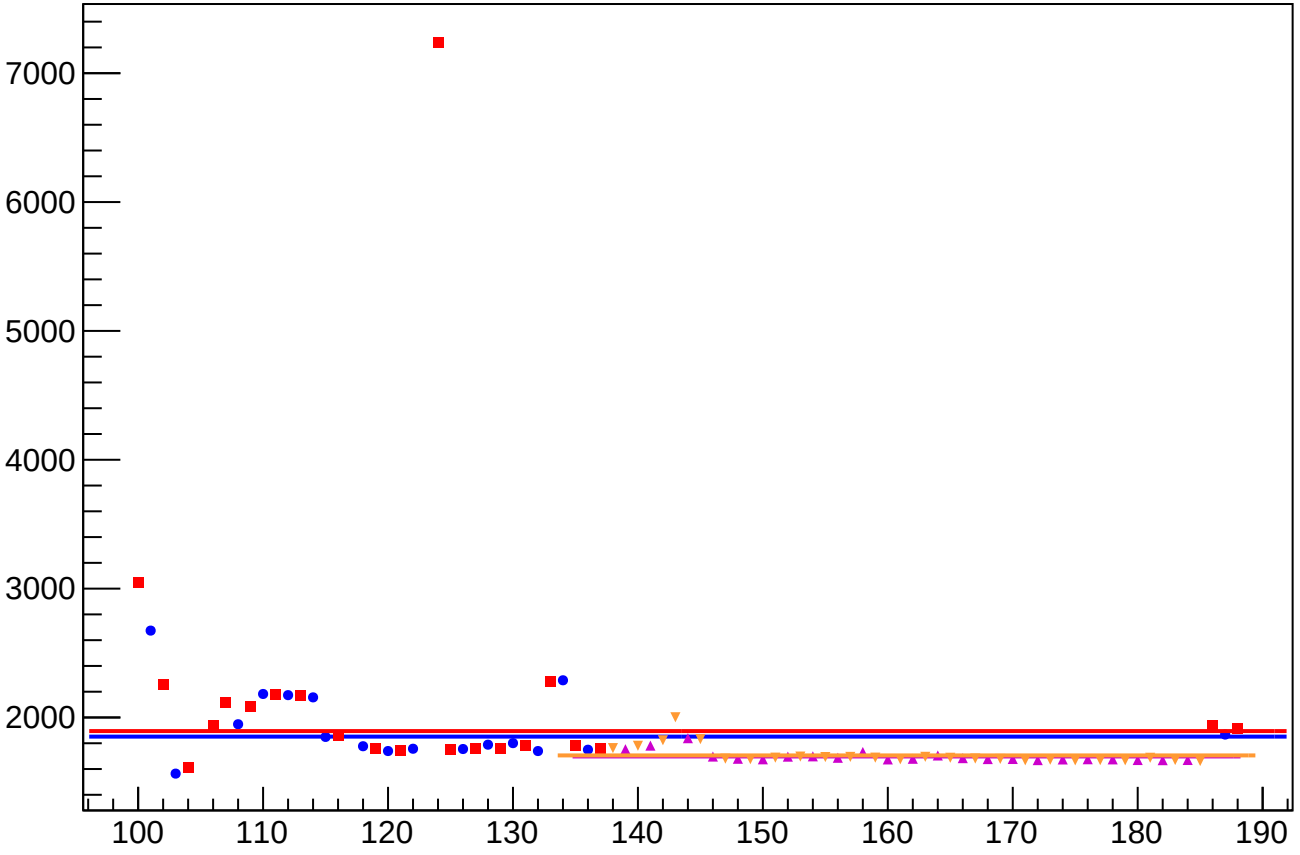
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -263.887+/-337.417 χ^2/NDF: 44.0/41

All: 144.248+/-238.881 χ^2/NDF: 89.4/85

- sign 554.384+/-338.243 χ^2/NDF: 42.5/43

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.547+/-0.484 χ^2/NDF: 260010.0/16

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1894.424+/-0.458 χ^2/NDF: 359587.7/20

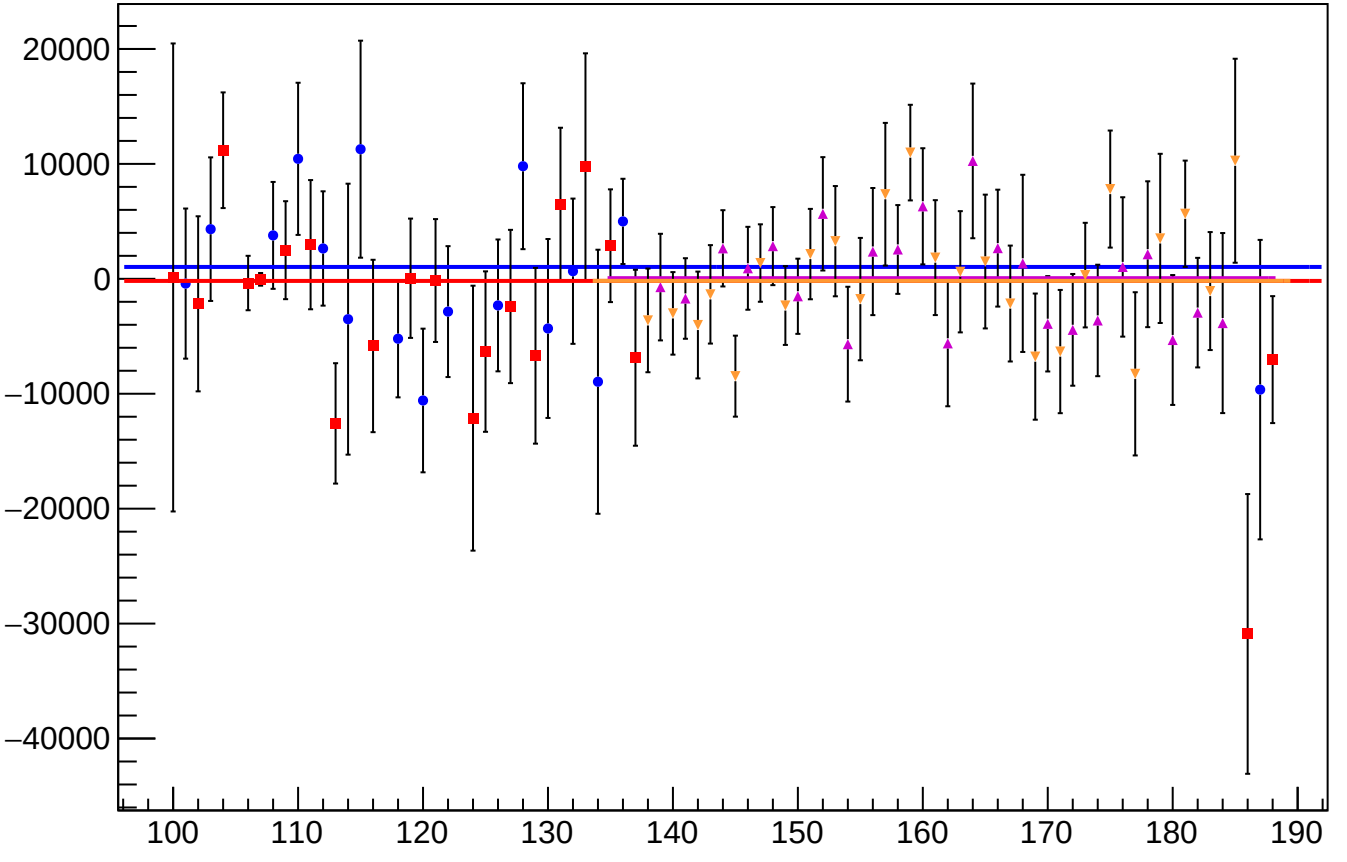
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1741.047+/-0.239 χ^2/NDF: 388679.6/41

All: 1746.135+/-0.169 χ^2/NDF: 904950.4/85

- sign 1751.242+/-0.239 χ^2/NDF: 515359.6/43

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1033.532+/-1492.245 χ^2/NDF: 14.4/16

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -183.113+/-503.156 χ^2/NDF: 25.9/20

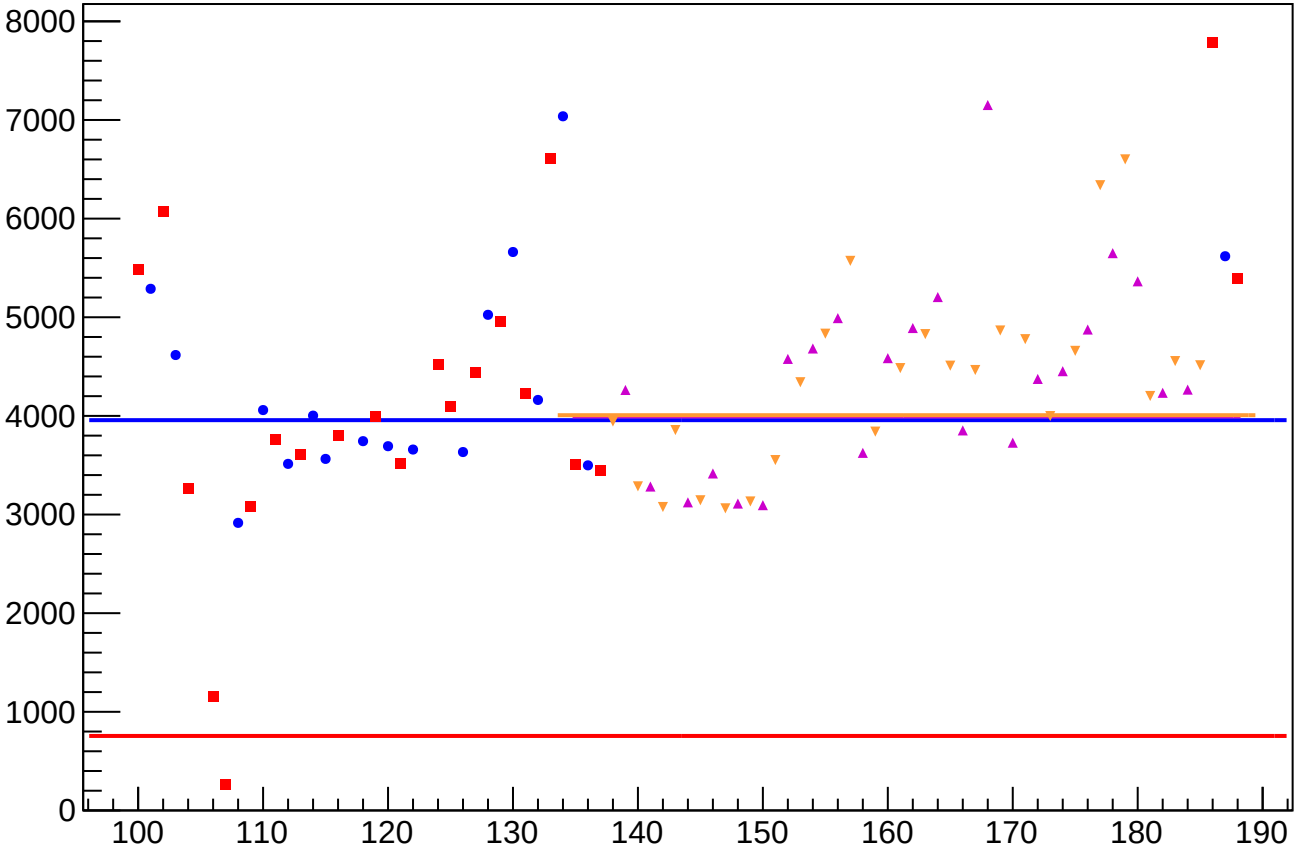
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 165.219+/-792.404 χ^2/NDF: 42.8/41

All: -60.045+/-388.196 χ^2/NDF: 83.1/85

- sign -131.181+/-445.292 χ^2/NDF: 40.2/43

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3956.806+/-1.055 χ^2/NDF: 593095.2/16

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 755.371+/-0.356 χ^2/NDF: 12714610.5/20

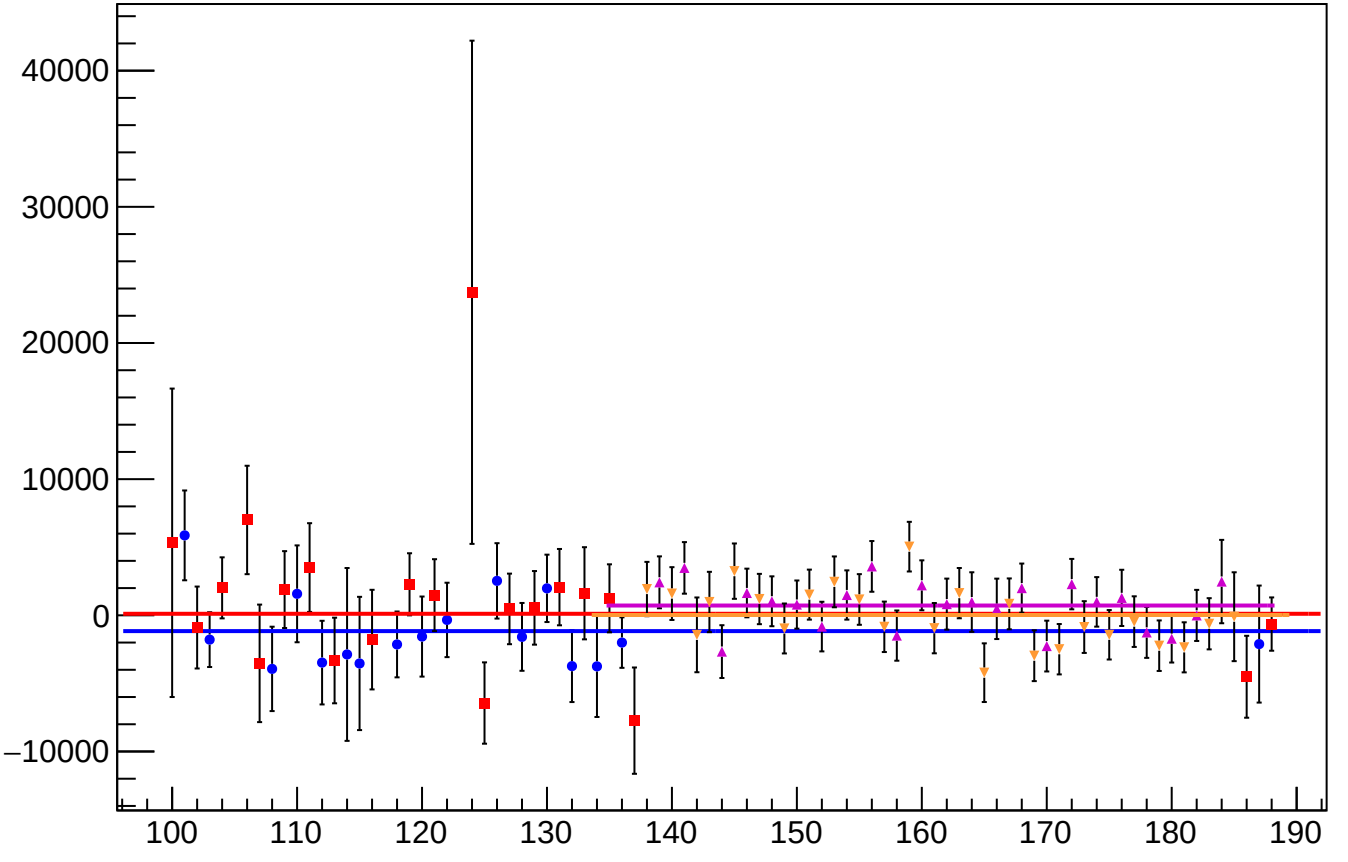
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 3992.845+/-0.560 χ^2/NDF: 2098397.4/41

All: 2066.098+/-0.274 χ^2/NDF: 49883104.6/8

- sign 1457.654+/-0.315 χ^2/NDF: 32226042.4/43

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1159.036+/-684.911 χ^2/NDF: 12.3/16

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 112.913+/-648.454 χ^2/NDF: 22.8/20

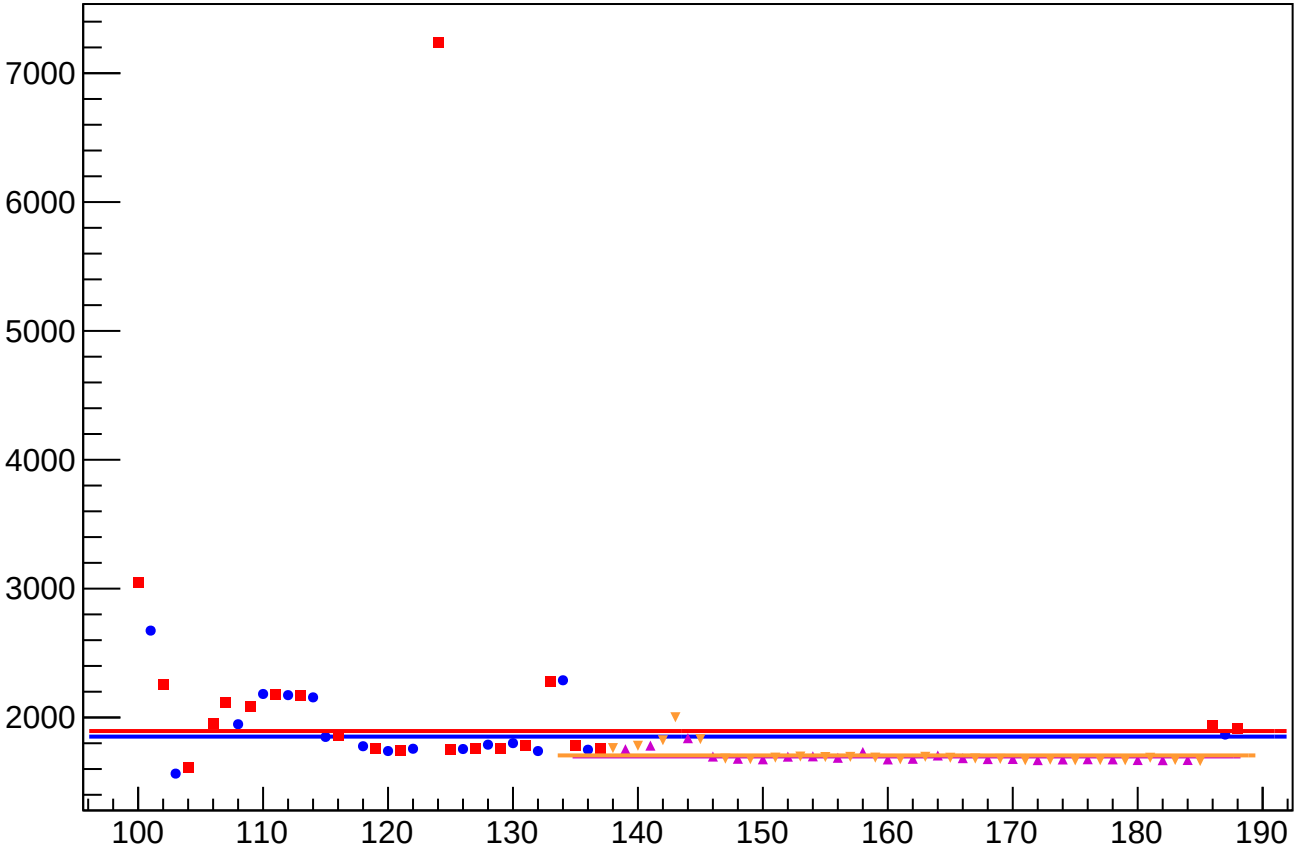
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -263.736+/-337.417 χ^2/NDF: 44.0/41

All: 144.318+/-238.881 χ^2/NDF: 89.5/85

- sign 554.372+/-338.243 χ^2/NDF: 42.5/43

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.547+/-0.484 χ^2/NDF: 260009.1/16

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1894.813+/-0.458 χ^2/NDF: 359789.4/20

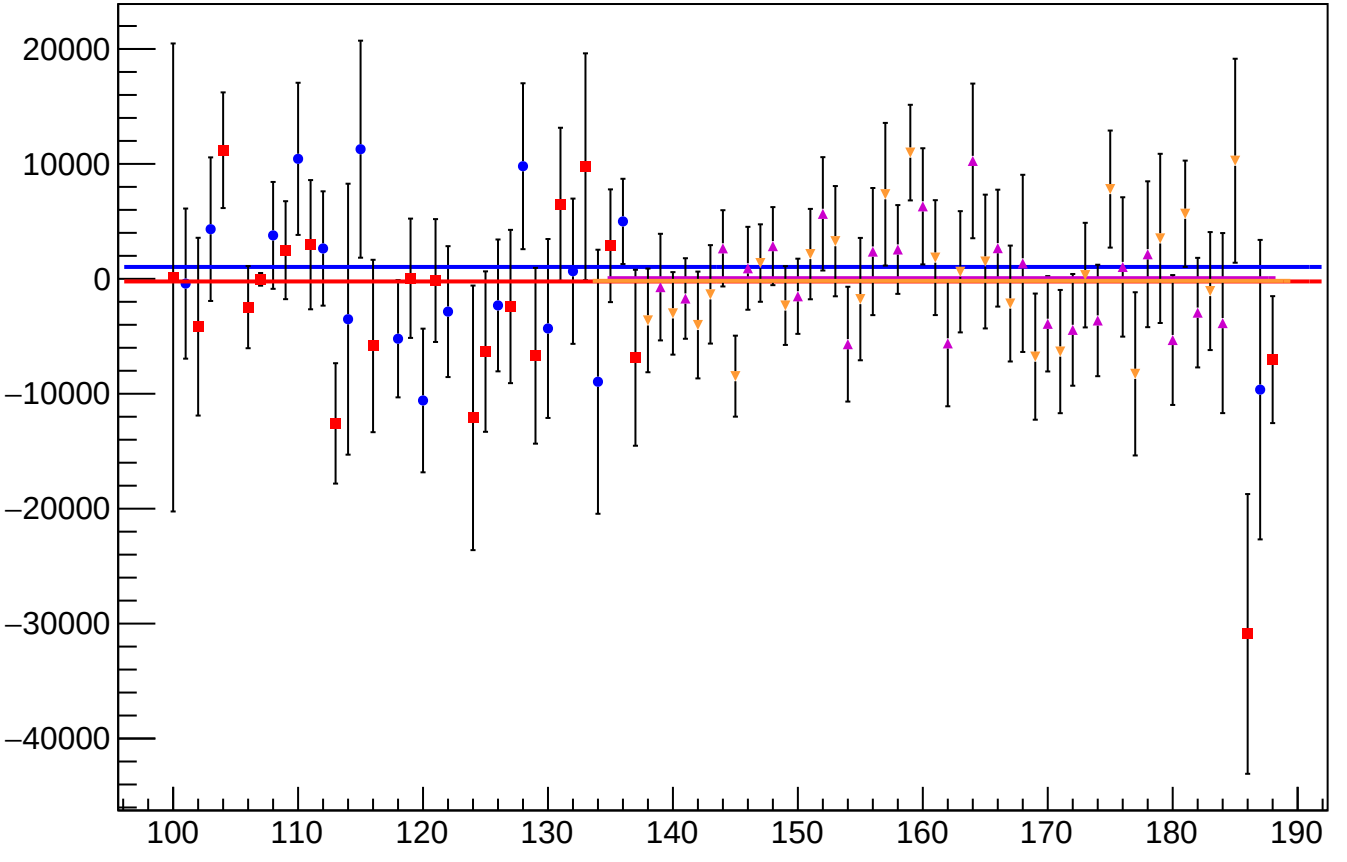
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1741.047+/-0.239 χ^2/NDF: 388679.1/41

All: 1746.180+/-0.169 χ^2/NDF: 905662.4/85

- sign 1751.334+/-0.239 χ^2/NDF: 516055.8/43

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1033.509+/-1492.250 χ^2/NDF: 14.4/16

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -228.778+/-509.652 χ^2/NDF: 26.5/20

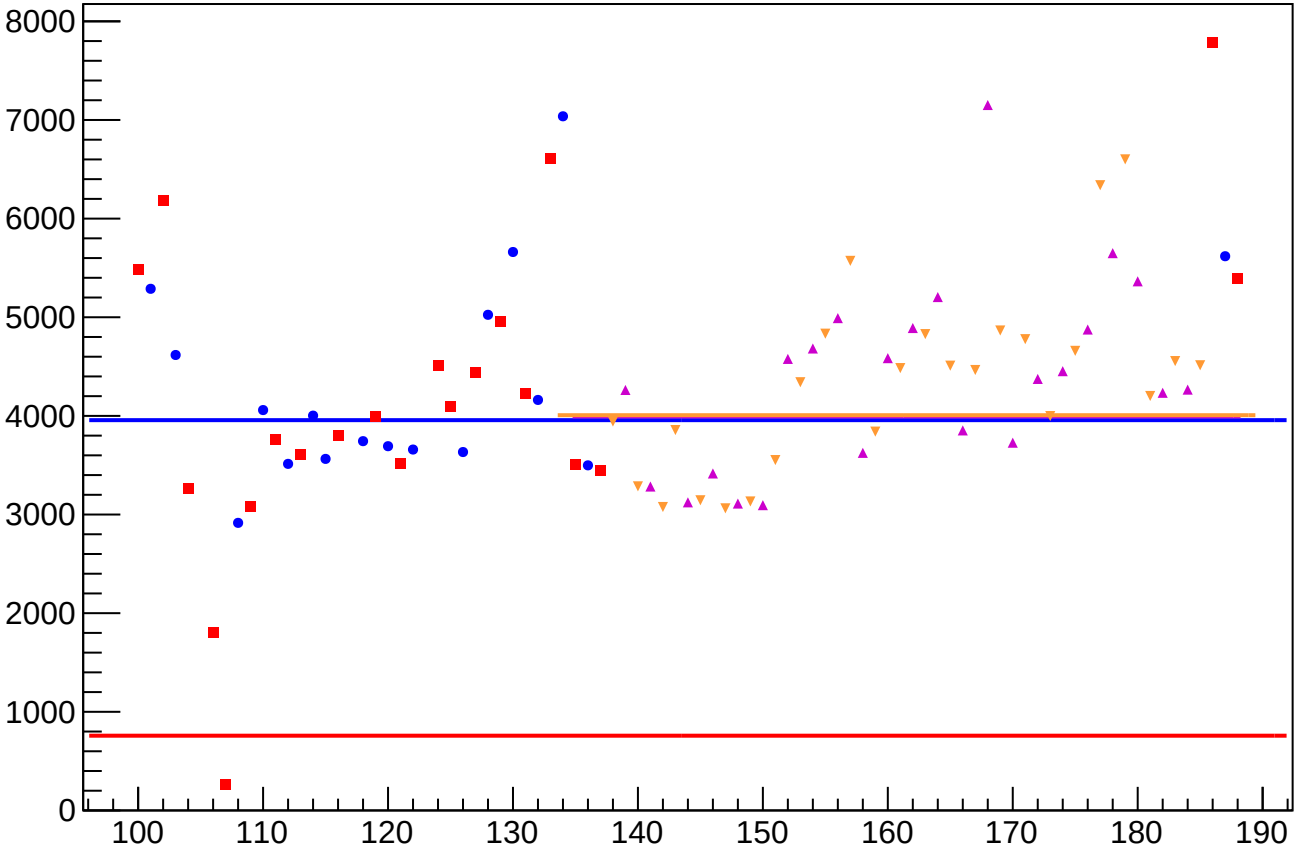
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 165.226+/-792.404 χ^2/NDF: 42.8/41

All: -85.070+/-391.156 χ^2/NDF: 83.8/85

- sign -165.711+/-449.775 χ^2/NDF: 40.8/43

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3956.815+/-1.055 χ^2/NDF: 593120.7/16

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 757.918+/-0.360 χ^2/NDF: 12841656.4/20

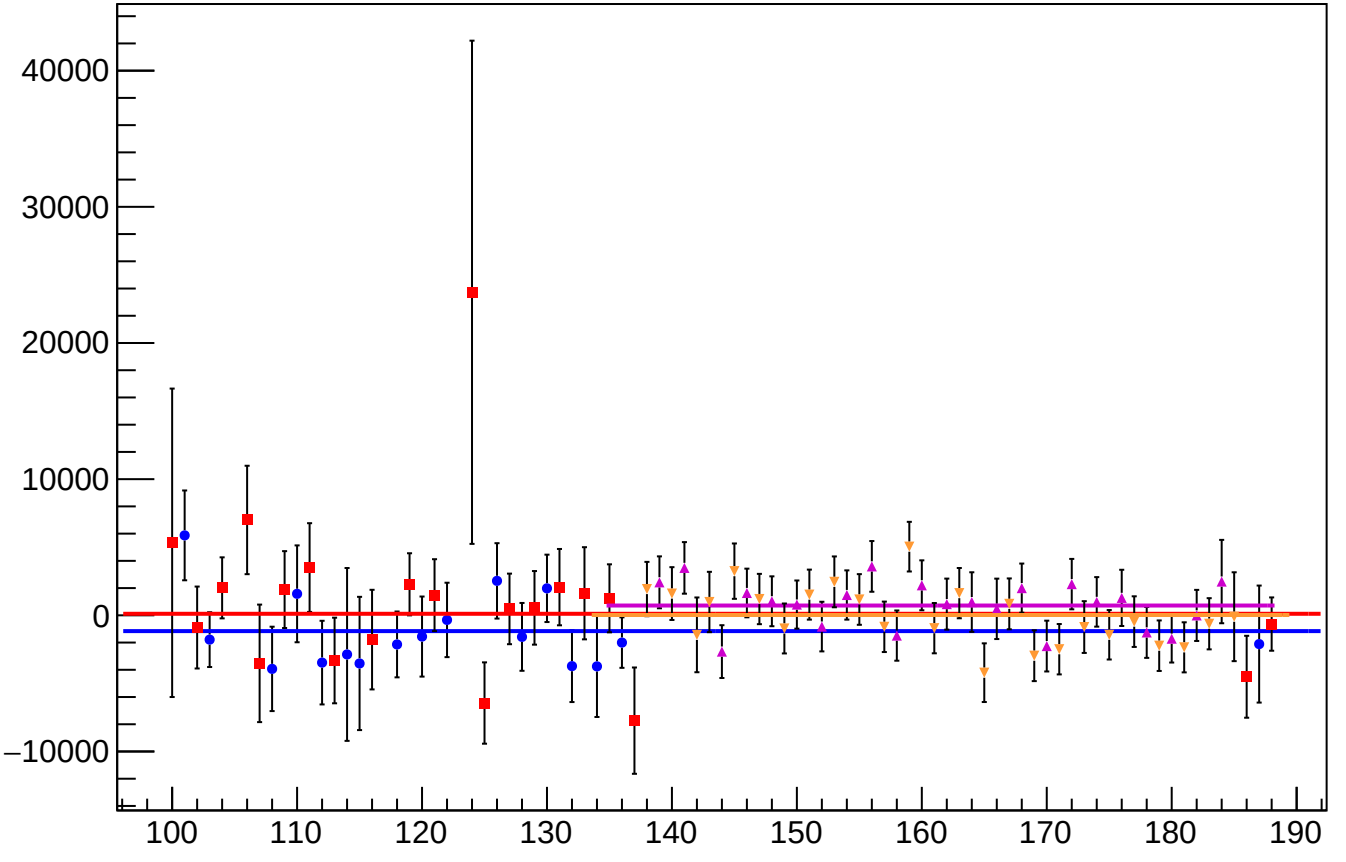
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

\+ sign 3992.842+/-0.560 χ^2/NDF: 2098442.5/41

All: 2087.662+/-0.277 χ^2/NDF: 49608929.4/8

\- sign 1473.852+/-0.318 χ^2/NDF: 32224292.0/43

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1159.036+/-684.911 χ^2/NDF: 12.3/16

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 112.913+/-648.454 χ^2/NDF: 22.8/20

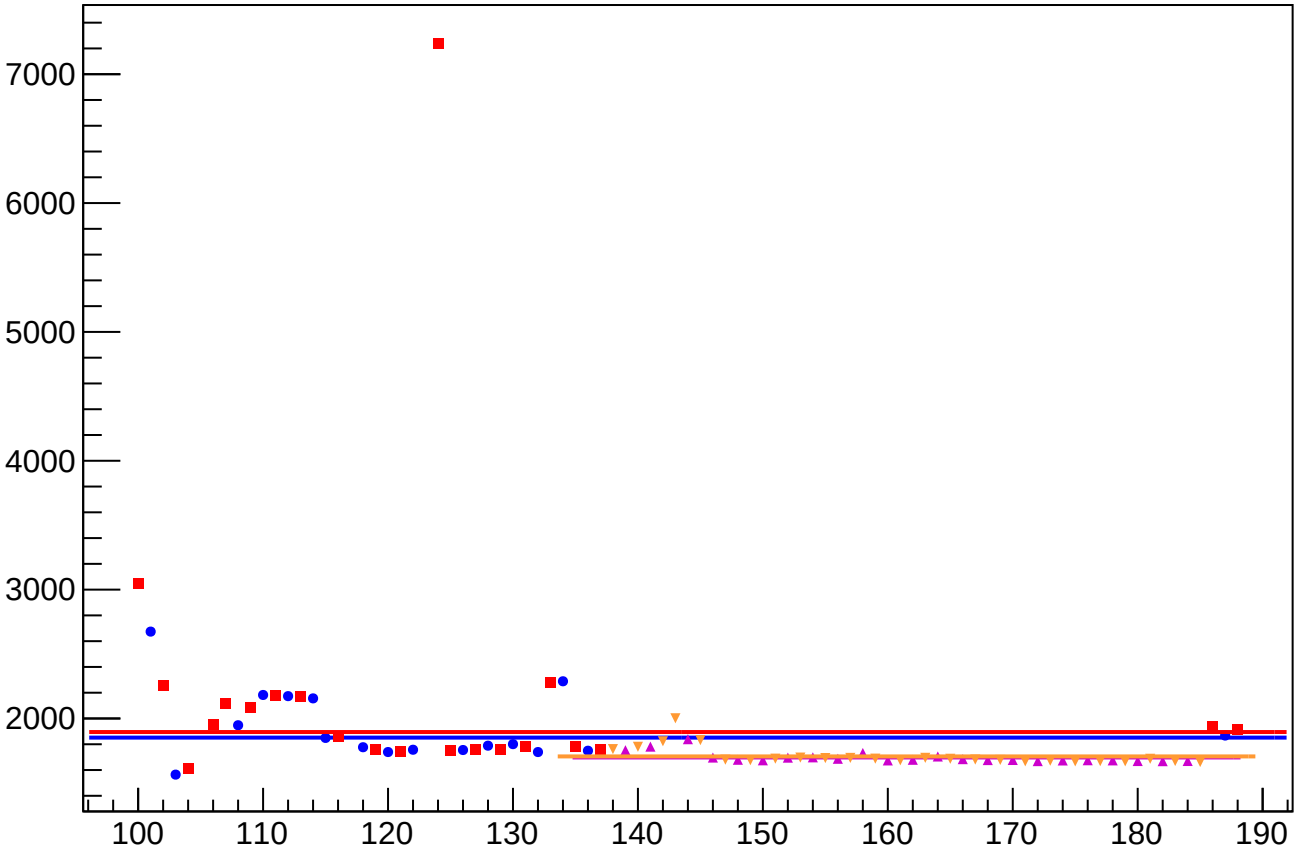
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -263.736+/-337.417 χ^2/NDF: 44.0/41

All: 144.318+/-238.881 χ^2/NDF: 89.5/85

- sign 554.372+/-338.243 χ^2/NDF: 42.5/43

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.547+/-0.484 χ^2/NDF: 260009.1/16

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

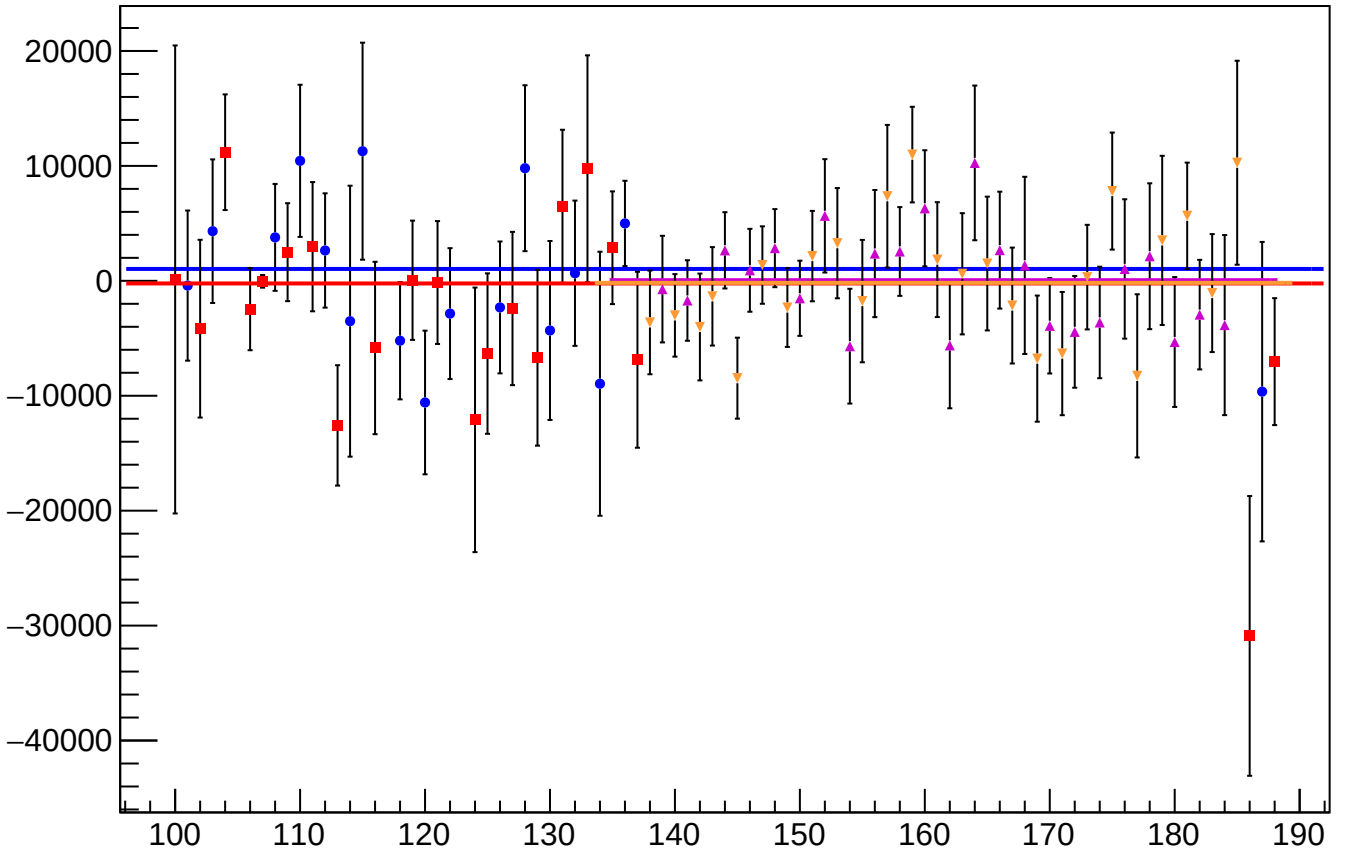
Right Out: 1894.813+/-0.458 χ^2/NDF: 359789.4/20

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1741.047+/-0.239 χ^2/NDF: 388679.1/41

All: 1746.180+/-0.169 χ^2/NDF: 905662.4/85

- sign 1751.334+/-0.239 χ^2/NDF: 516055.8/43



Right In: 1033.509+/-1492.250 χ^2/NDF: 14.4/16

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -228.778+/-509.652 χ^2/NDF: 26.5/20

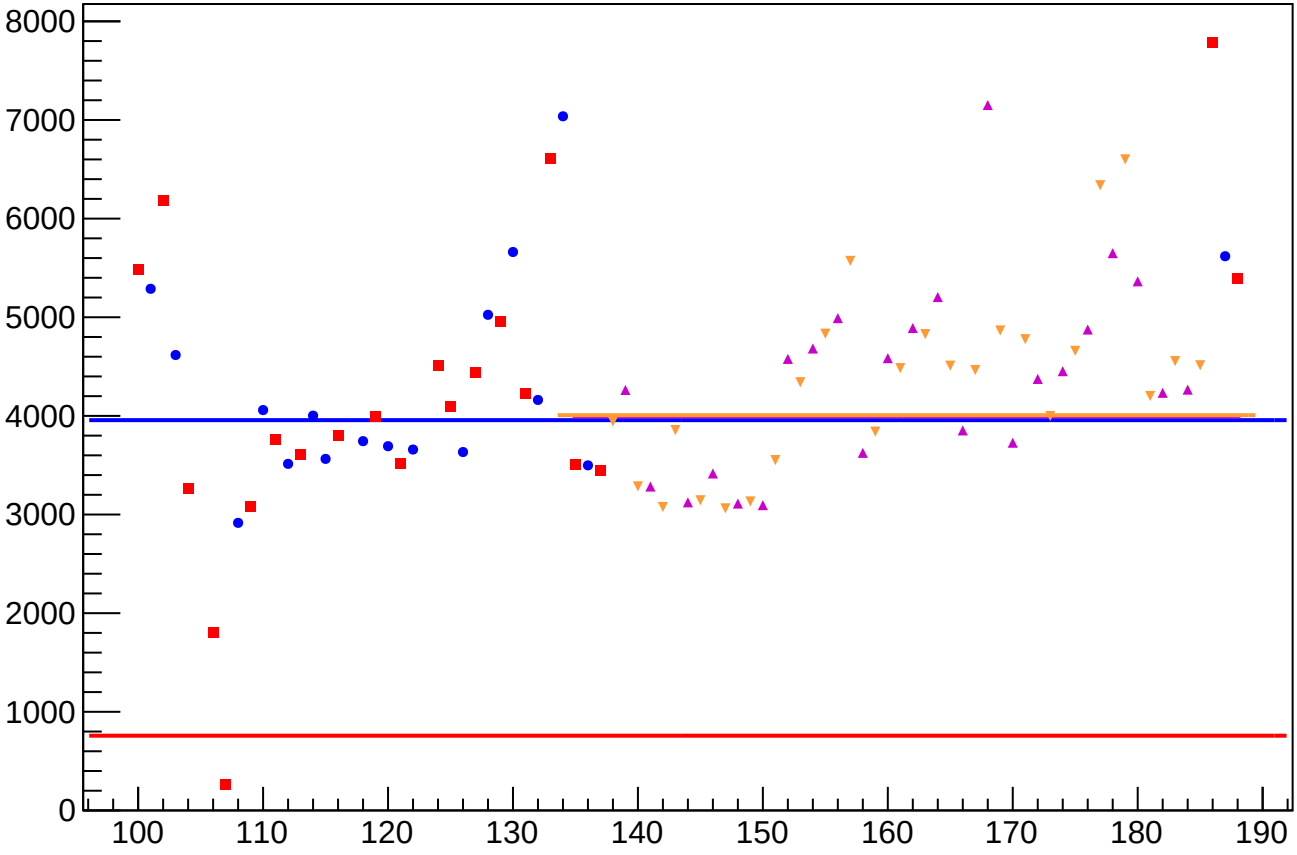
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 165.226+/-792.404 χ^2/NDF: 42.8/41

All: -85.070+/-391.156 χ^2/NDF: 83.8/85

- sign -165.711+/-449.775 χ^2/NDF: 40.8/43

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3956.815+/-1.055 χ^2/NDF: 593120.7/16

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 757.918+/-0.360 χ^2/NDF: 12841656.4/20

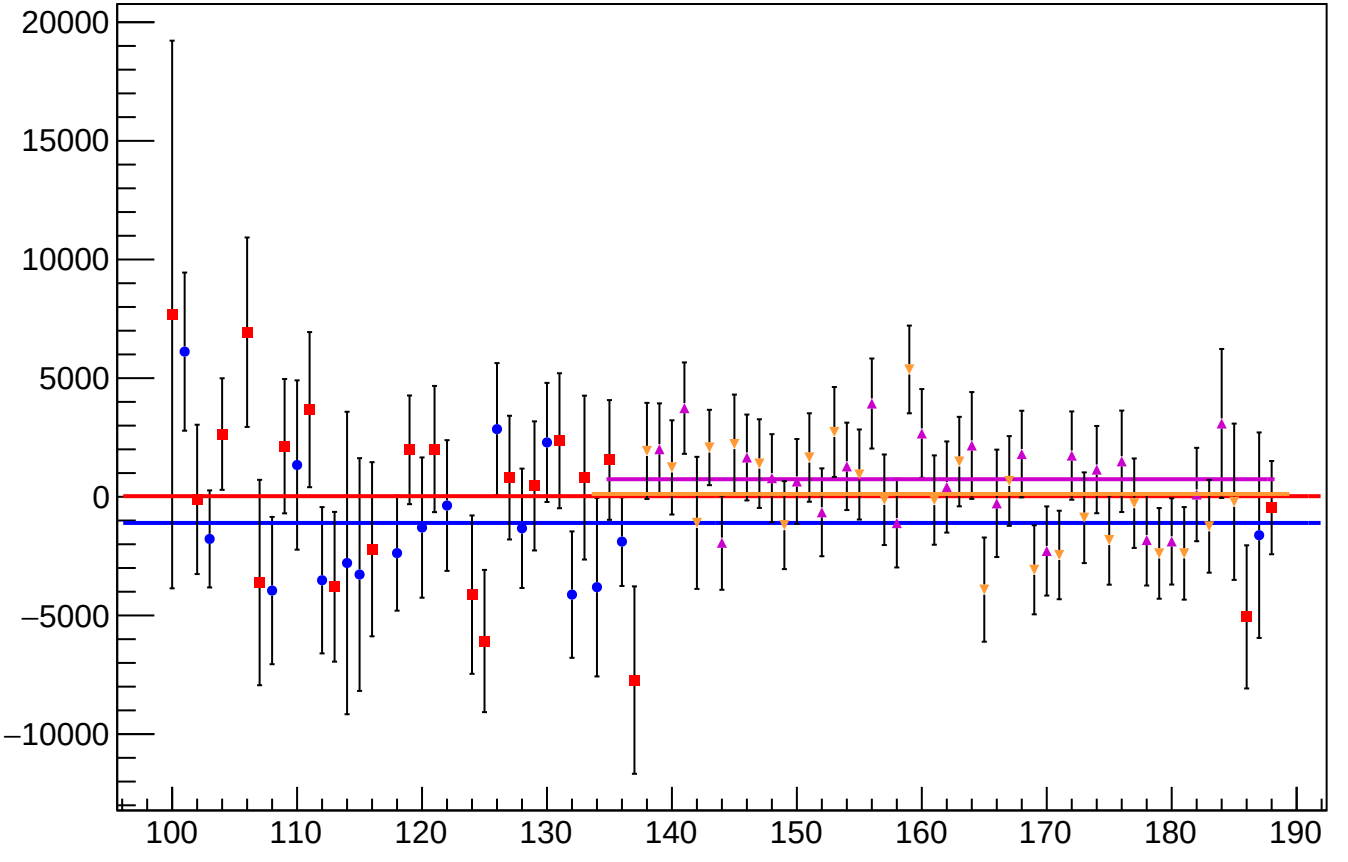
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 3992.842+/-0.560 χ^2/NDF: 2098442.5/41

All: 2087.662+/-0.277 χ^2/NDF: 49608929.4/8

- sign 1473.852+/-0.318 χ^2/NDF: 32224292.0/43

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1101.214+/-690.623 χ^2/NDF: 13.2/16

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 26.375+/-643.927 χ^2/NDF: 24.0/20

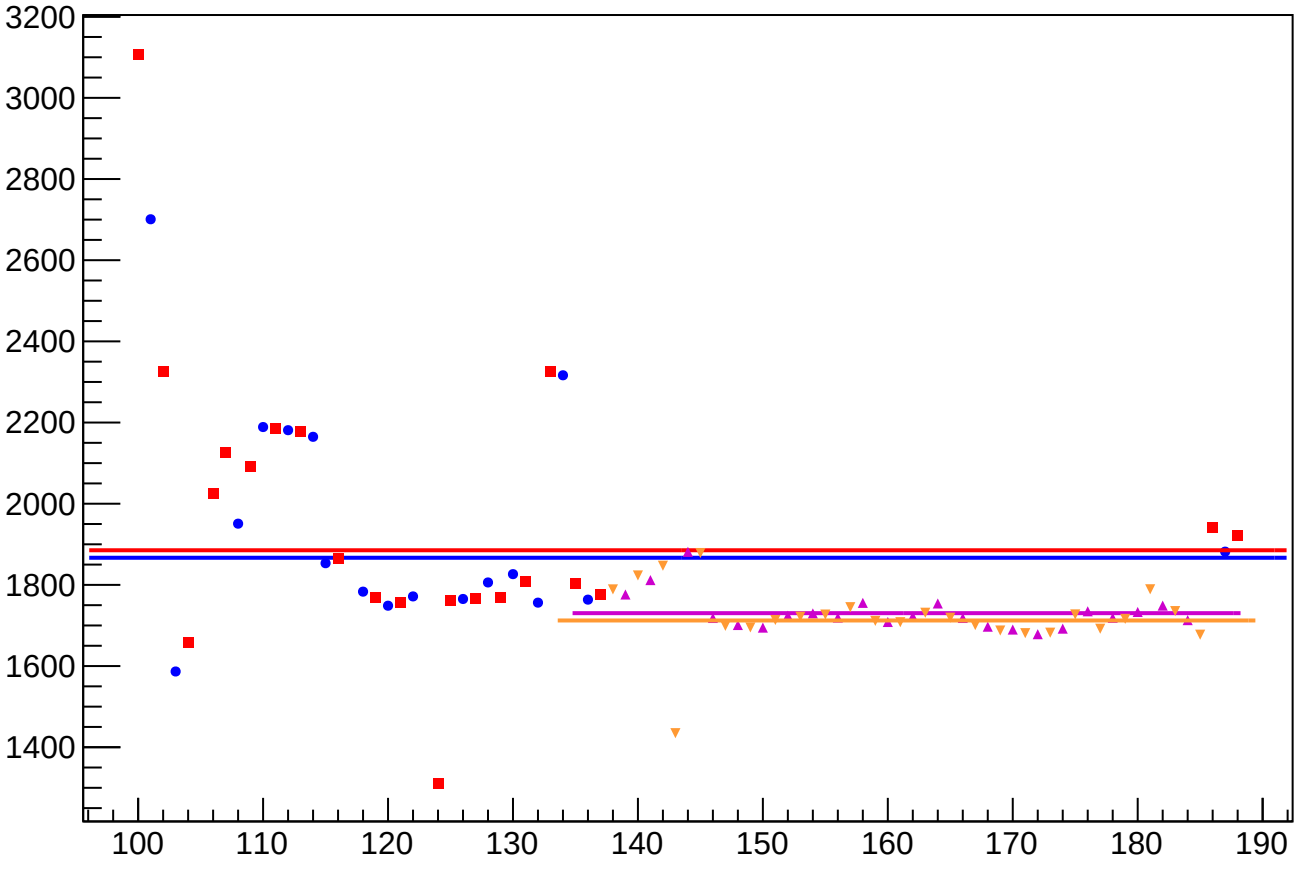
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -174.686+/-339.236 χ^2/NDF: 45.3/41

All: 179.015+/-240.959 χ^2/NDF: 91.3/85

- sign 539.175+/-342.319 χ^2/NDF: 43.8/43

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.849+/-0.488 χ^2/NDF: 256287.2/16

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1885.316+/-0.455 χ^2/NDF: 253472.1/20

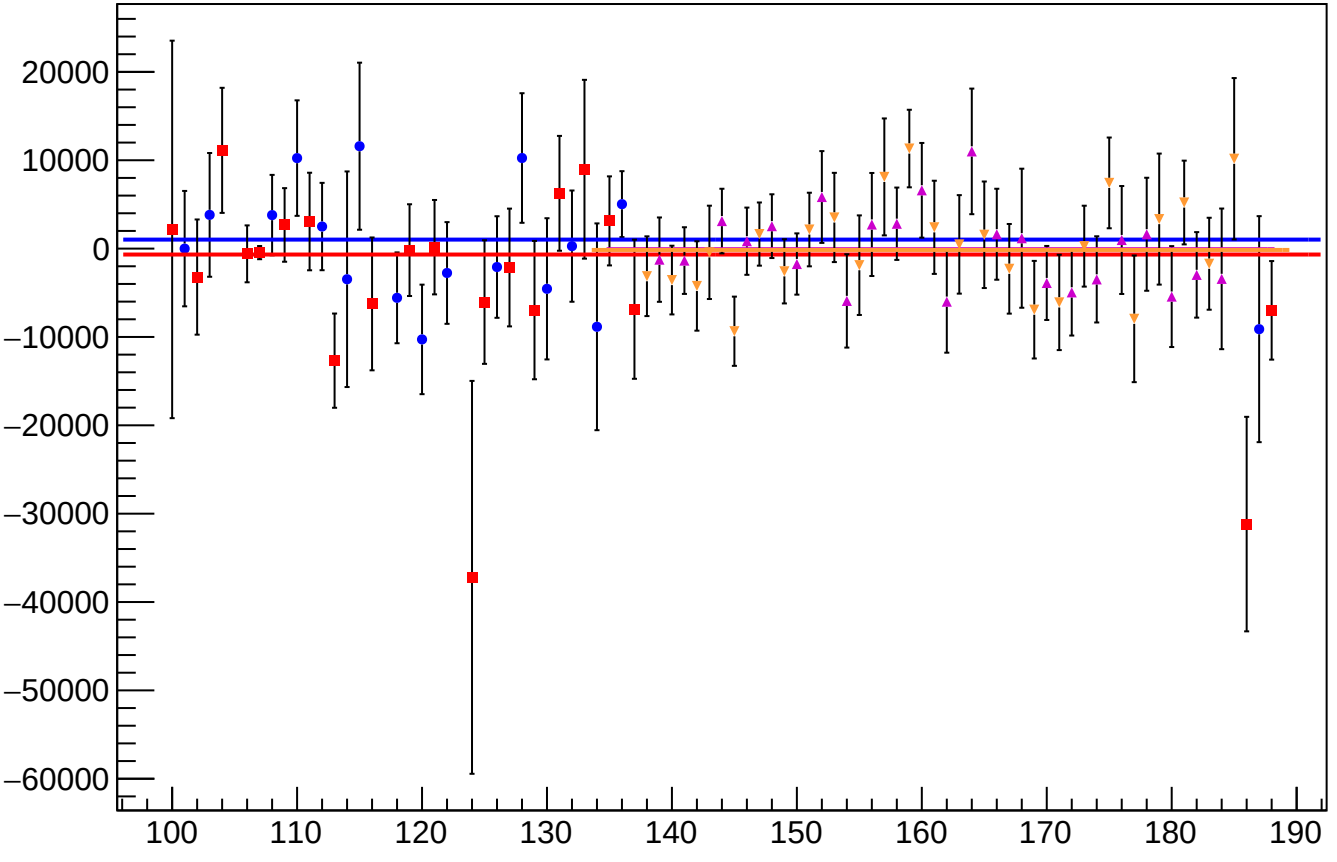
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1749.597+/-0.240 χ^2/NDF: 426667.6/41

All: 1761.781+/-0.170 χ^2/NDF: 791611.7/85

- sign 1774.183+/-0.242 χ^2/NDF: 359737.7/43

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1019.438+/-1501.765 χ^2/NDF: 14.3/16

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -670.722+/-653.022 χ^2/NDF: 24.6/20

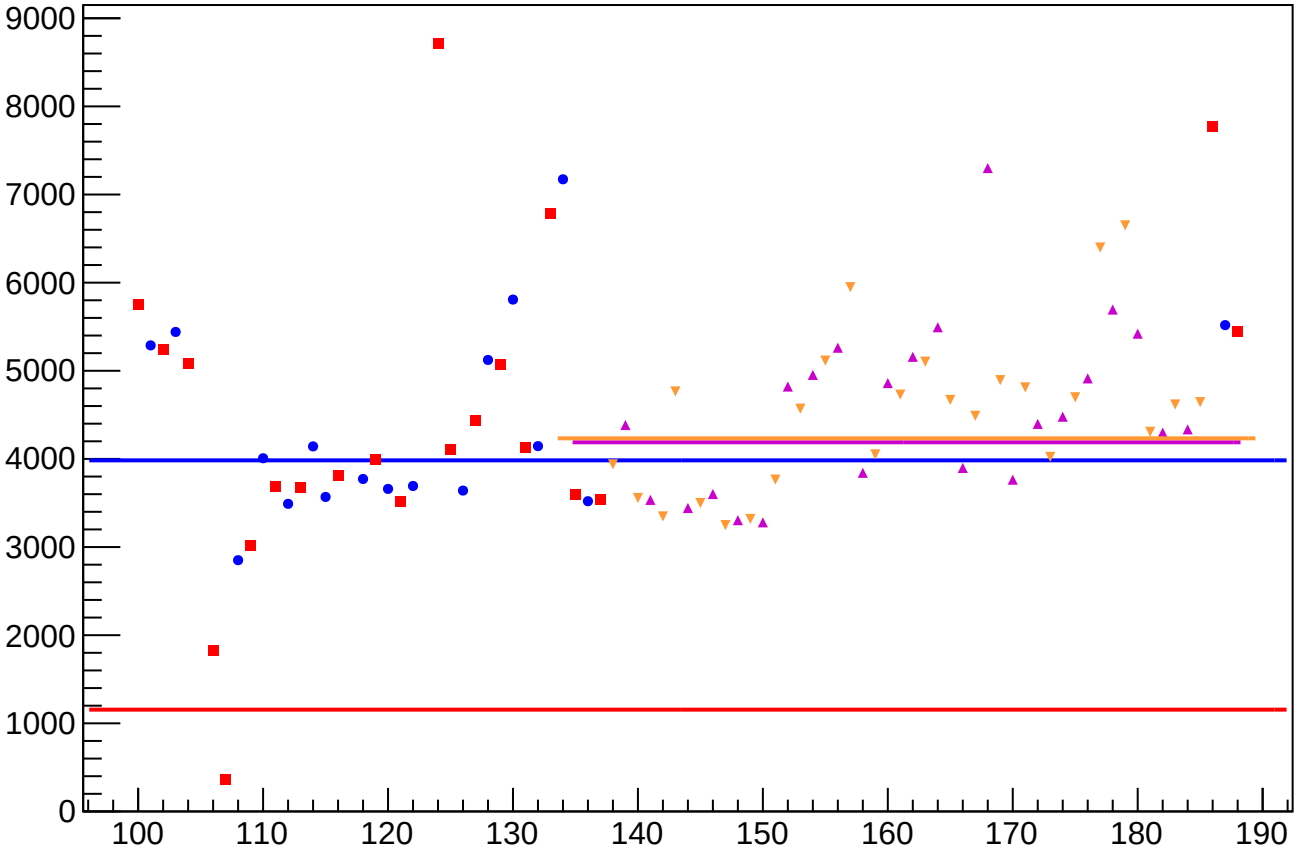
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 201.637+/-823.632 χ^2/NDF: 41.6/41

All: -278.230+/-455.539 χ^2/NDF: 80.9/85

- sign -489.717+/-546.783 χ^2/NDF: 38.9/43

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3983.821+/-1.062 χ^2/NDF: 697536.1/16

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1155.200+/-0.462 χ^2/NDF: 11363448.8/20

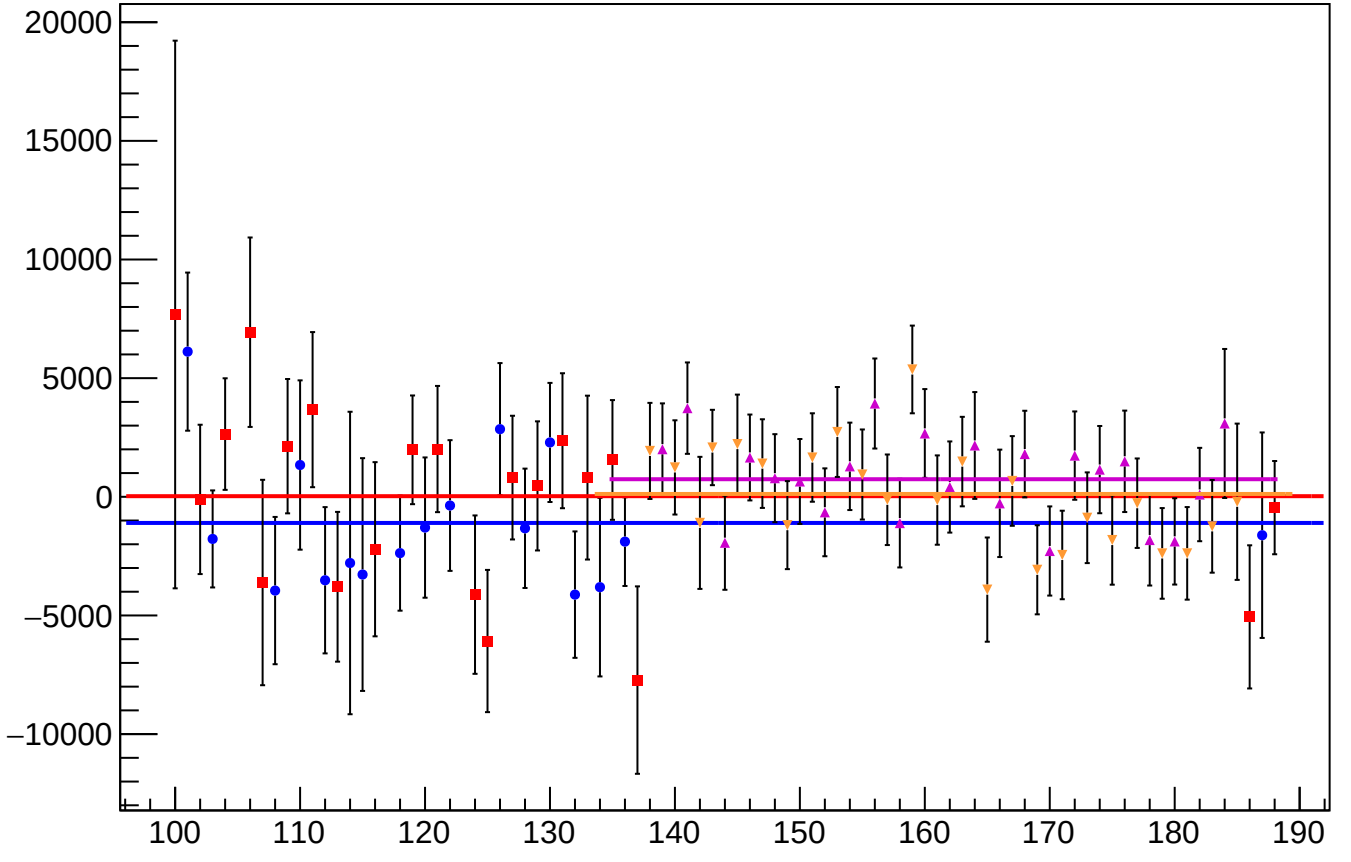
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4158.682+/-0.582 χ^2/NDF: 2021099.3/41

All: 2703.375+/-0.322 χ^2/NDF: 36627017.9/8

- sign 2061.990+/-0.387 χ^2/NDF: 25609845.8/43

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1101.219+/-690.623 χ^2/NDF: 13.2/16

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 26.380+/-643.927 χ^2/NDF: 24.0/20

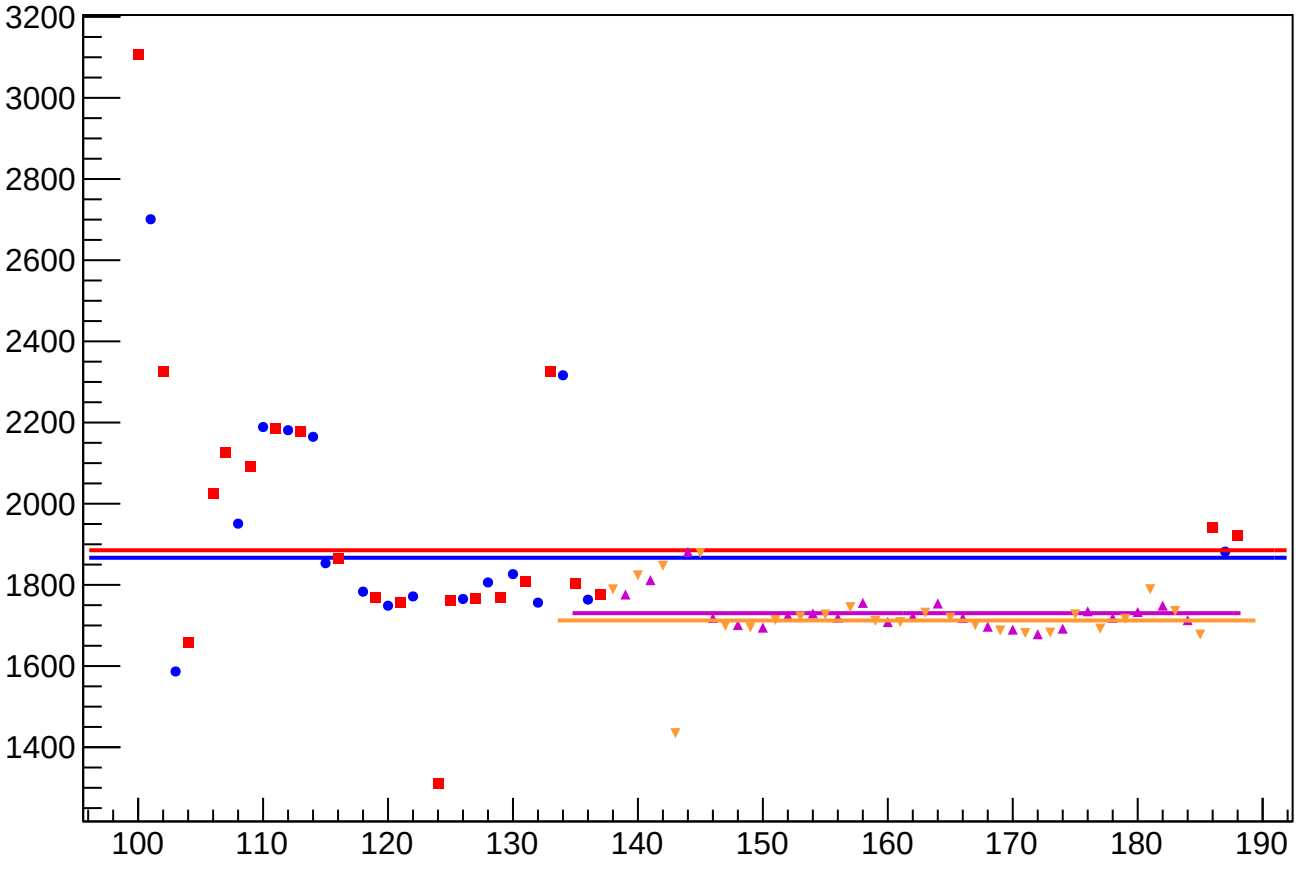
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -174.685+/-339.236 χ^2/NDF: 45.3/41

All: 179.016+/-240.959 χ^2/NDF: 91.3/85

- sign 539.176+/-342.319 χ^2/NDF: 43.8/43

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.849+/-0.488 χ^2/NDF: 256287.1/16

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

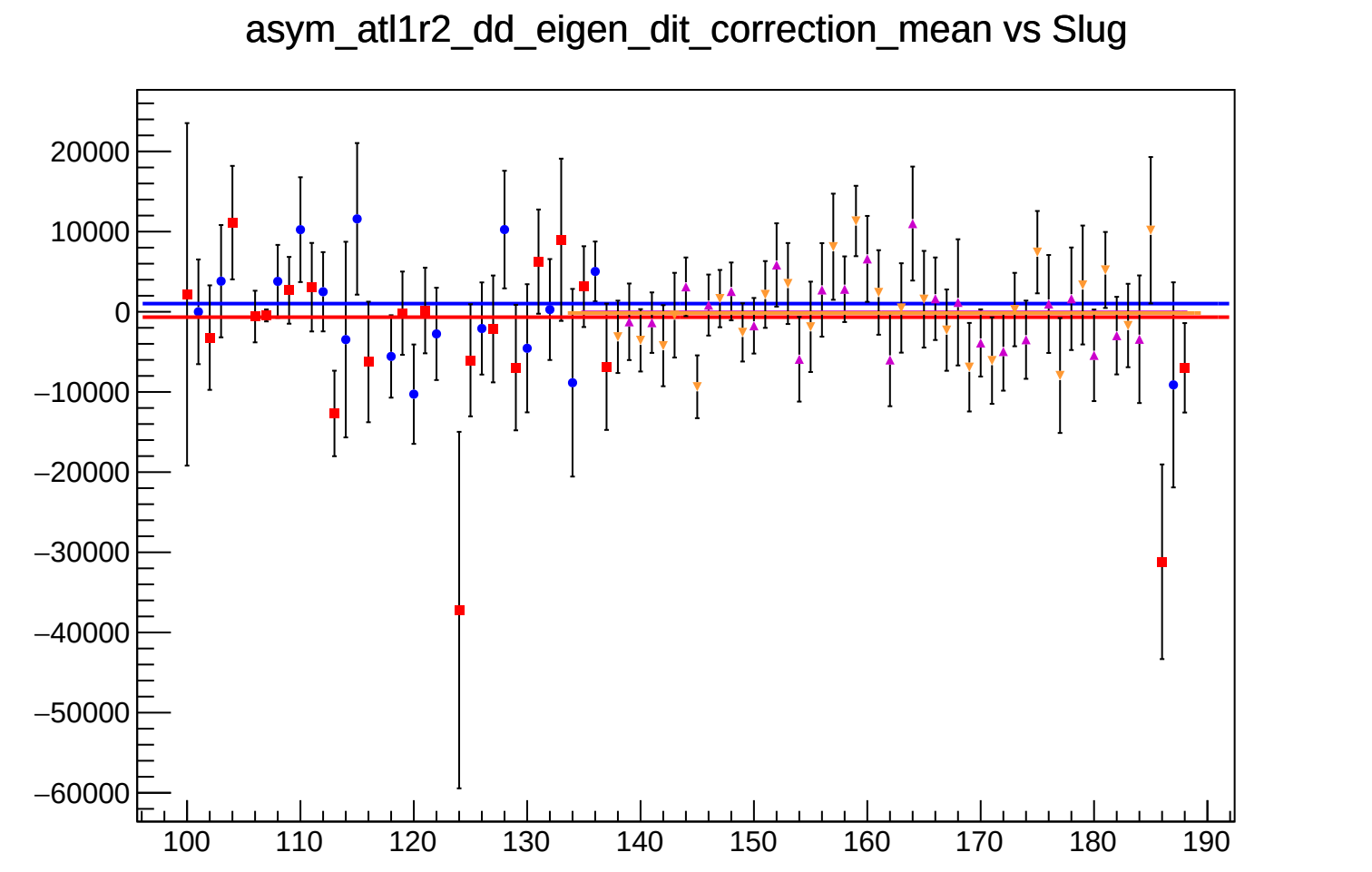
Right Out: 1885.316+/-0.455 χ^2/NDF: 253472.5/20

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1749.597+/-0.240 χ^2/NDF: 426665.8/41

All: 1761.782+/-0.170 χ^2/NDF: 791609.5/85

- sign 1774.184+/-0.242 χ^2/NDF: 359737.4/43



Right In: 1019.419+/-1501.762 χ^2/NDF: 14.3/16

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -670.735+/-653.032 χ^2/NDF: 24.6/20

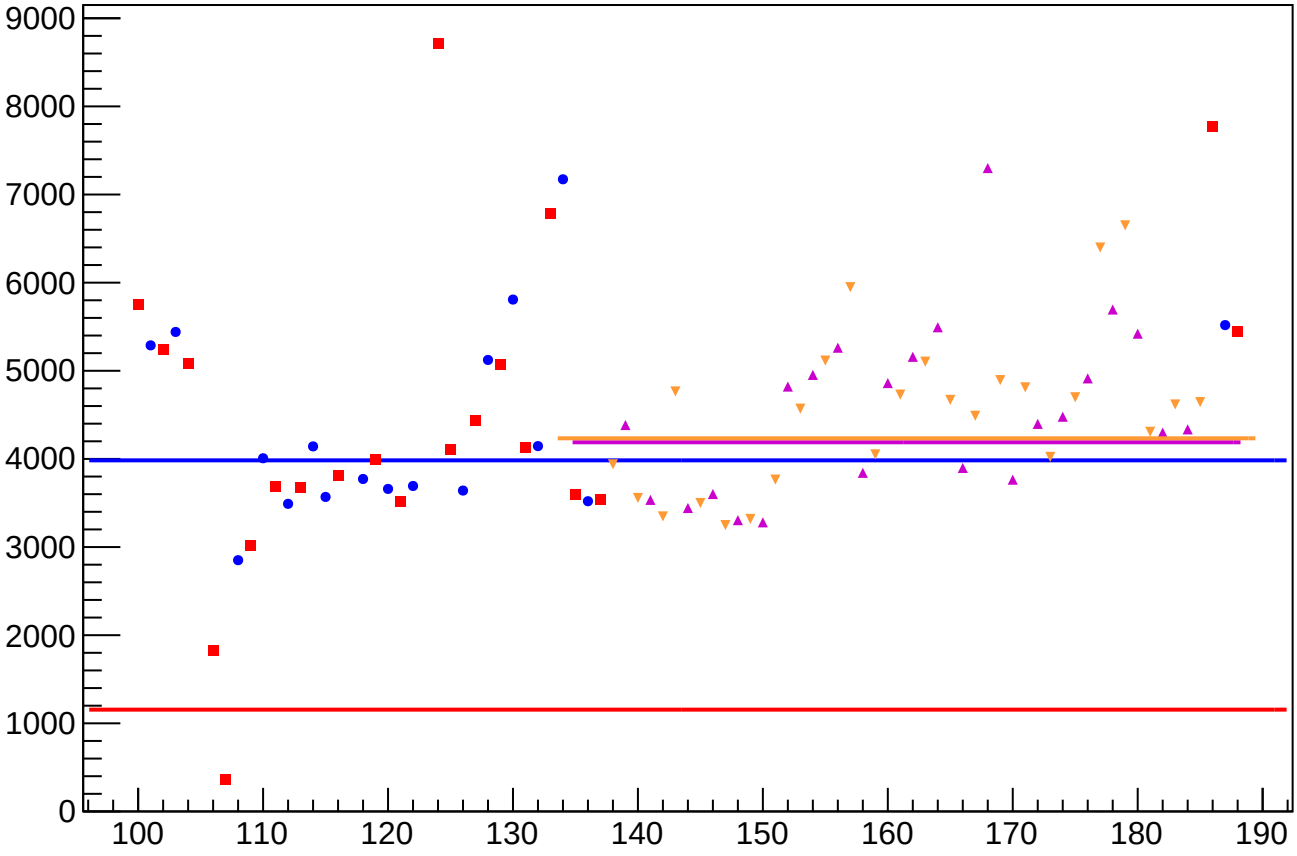
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 201.633+/-823.632 χ^2/NDF: 41.6/41

All: -278.232+/-455.542 χ^2/NDF: 80.9/85

- sign -489.723+/-546.790 χ^2/NDF: 38.9/43

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3983.814+/-1.062 χ^2/NDF: 697533.0/16

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1155.233+/-0.462 χ^2/NDF: 11363296.7/20

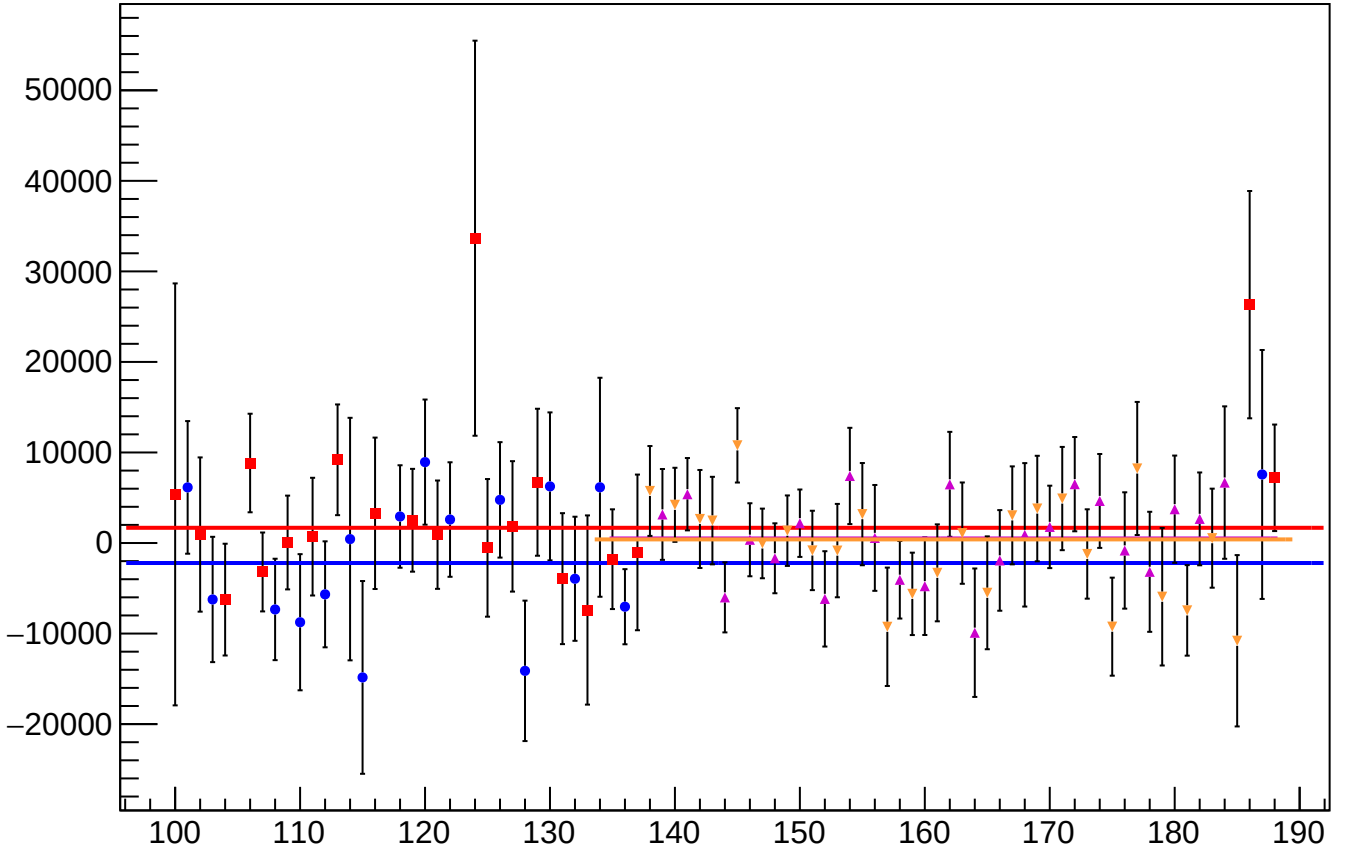
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4158.684+/-0.582 χ^2/NDF: 2021102.3/41

All: 2703.416+/-0.322 χ^2/NDF: 36626067.4/8

- sign 2062.034+/-0.387 χ^2/NDF: 25609319.4/43

asym_atl1r2_dd_mean vs Slug



Right In: -2207.972+/-1672.273 χ^2/NDF: 16.1/16

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 1680.966+/-1485.509 χ^2/NDF: 15.6/20

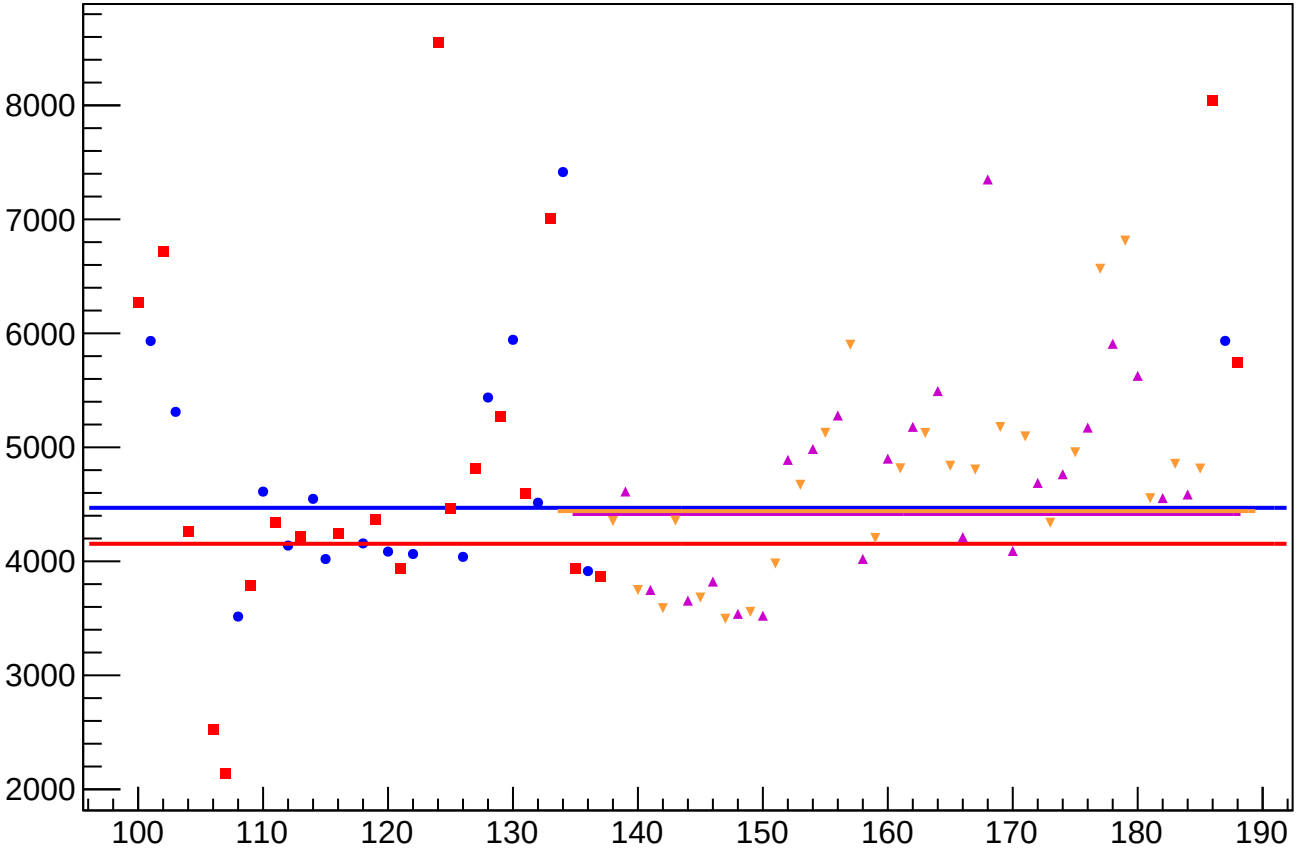
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

\+ sign -316.894+/-876.026 χ^2/NDF: 42.6/41

All: 302.320+/-612.702 χ^2/NDF: 76.9/85

\- sign 895.290+/-857.261 χ^2/NDF: 33.3/43

asym_atl1r2_dd_rms vs Slug



Right In: 4469.421+/-1.182 χ^2/NDF: 481290.8/16

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4154.034+/-1.041 χ^2/NDF: 1505537.9/20

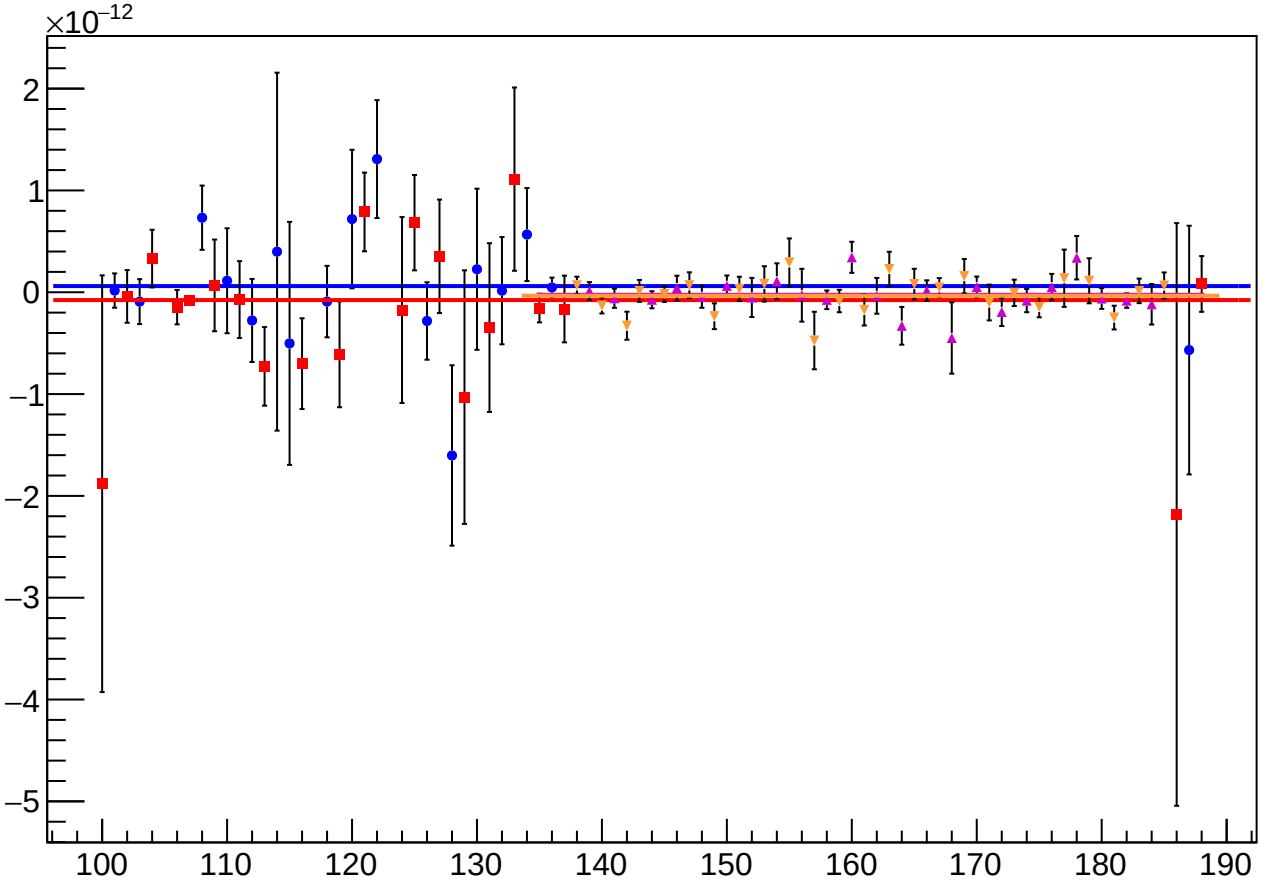
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4448.661+/-0.619 χ^2/NDF: 1554834.7/41

All: 4386.462+/-0.433 χ^2/NDF: 4233253.2/85

- sign 4327.265+/-0.604 χ^2/NDF: 2658740.4/43

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/20

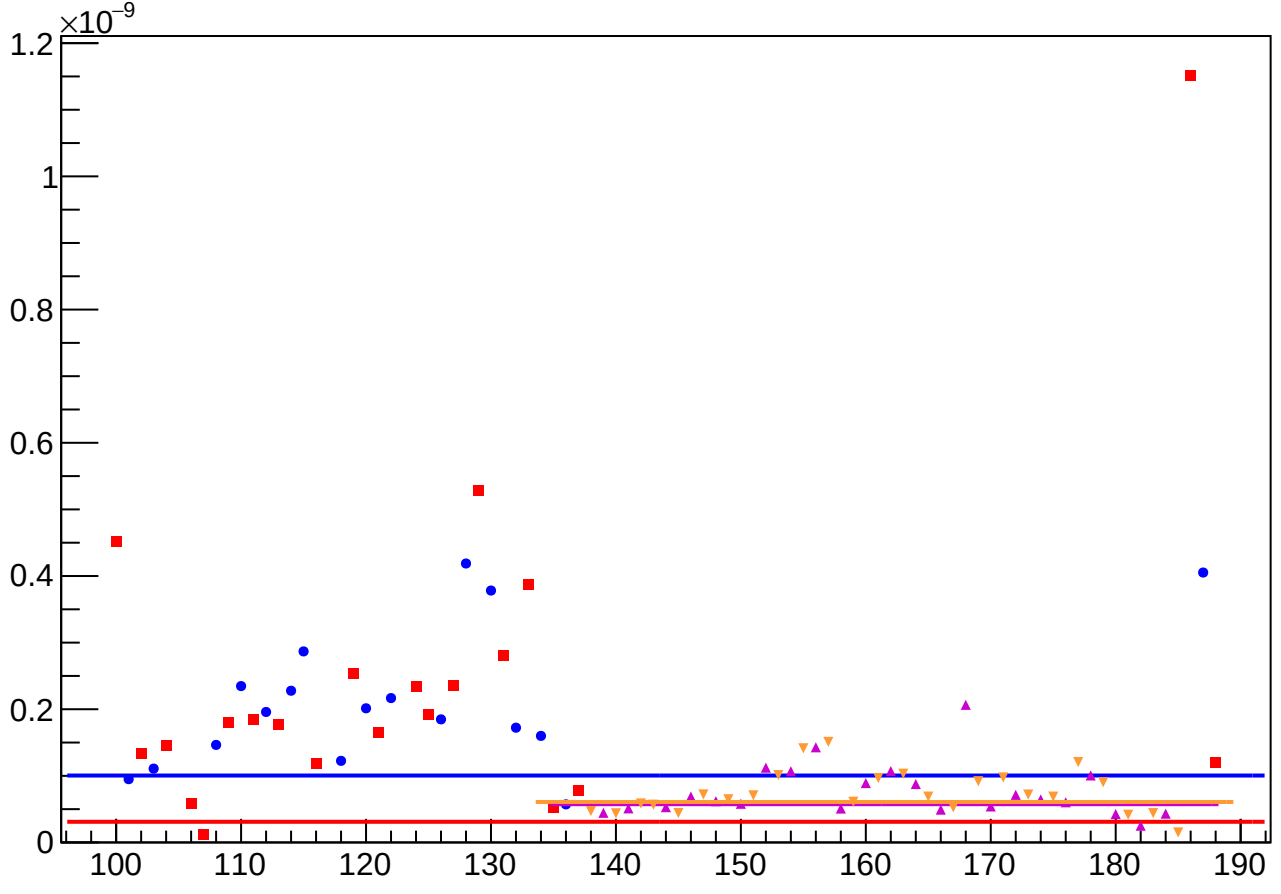
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.9/41

All: -0.000+/-0.000 χ^2/NDF: 90.2/85

- sign -0.000+/-0.000 χ^2/NDF: 41.8/43

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1687842.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4886226.6/20

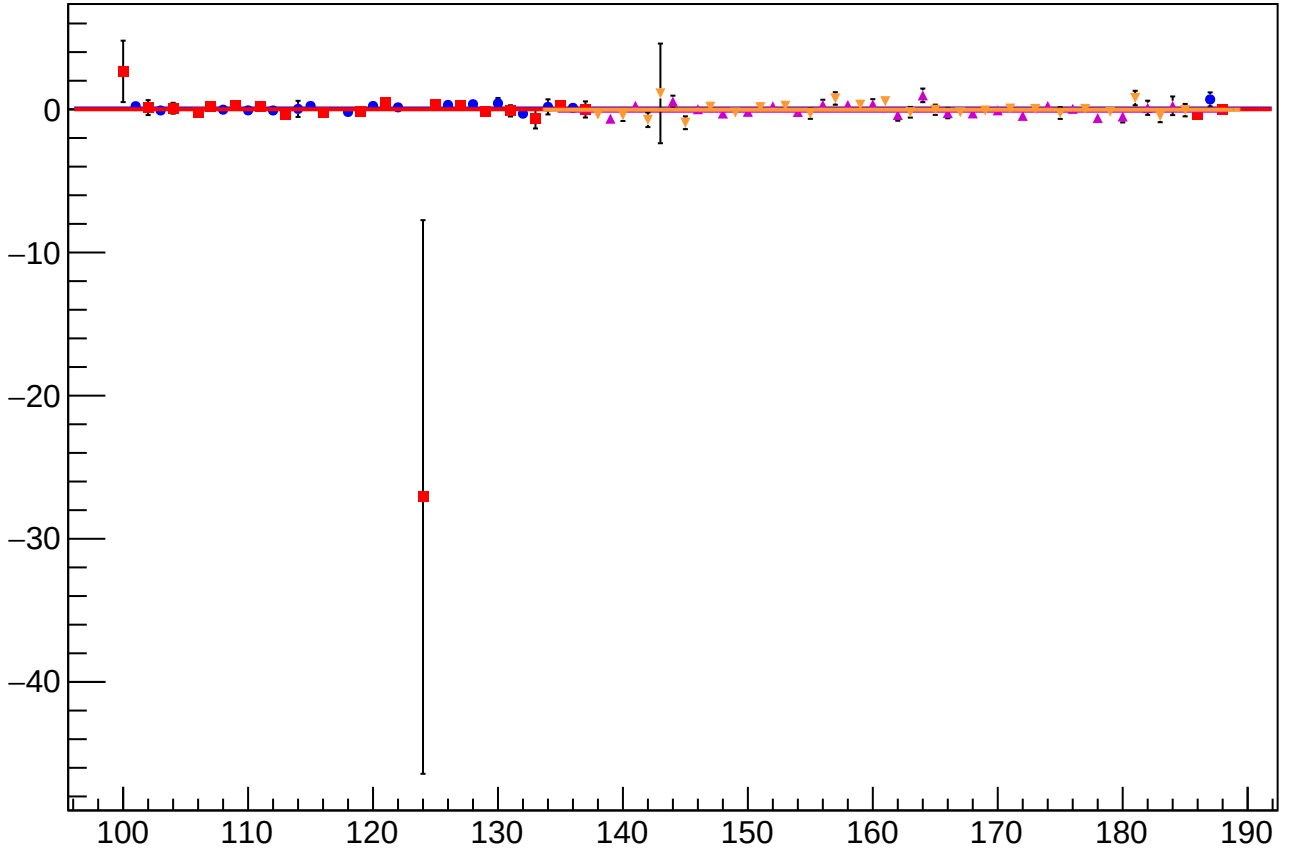
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4014553.1/41

All: 0.000+/-0.000 χ^2/NDF: 12253517.4/85

- sign 0.000+/-0.000 χ^2/NDF: 7589598.4/43

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.006+/-0.054 χ^2/NDF: 24.1/20

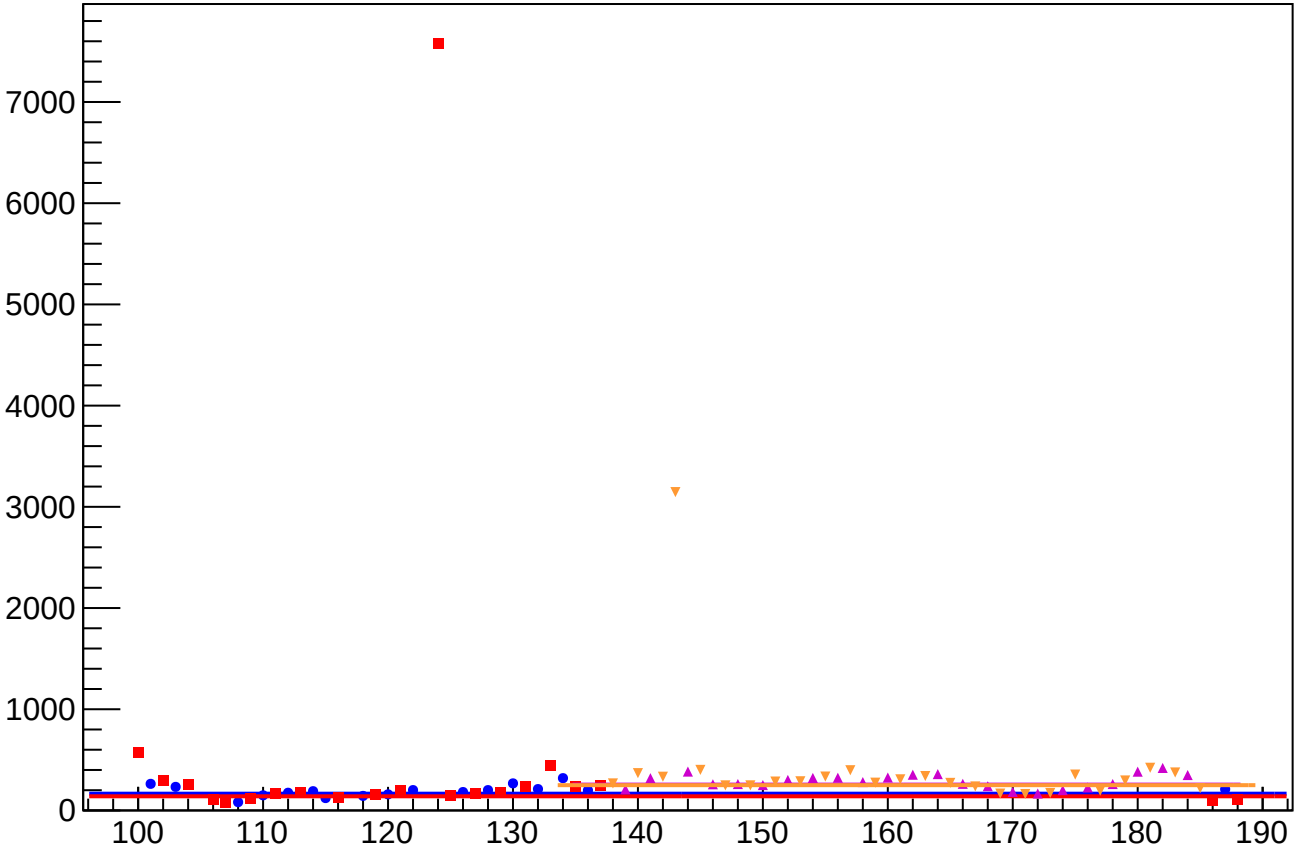
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.015+/-0.045 χ^2/NDF: 33.7/41

All: -0.013+/-0.030 χ^2/NDF: 91.5/85

- sign -0.037+/-0.041 χ^2/NDF: 57.1/43

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 165.674+/-0.047 χ^2/NDF: 1491436.5/16

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 139.866+/-0.038 χ^2/NDF: 2264692.4/20

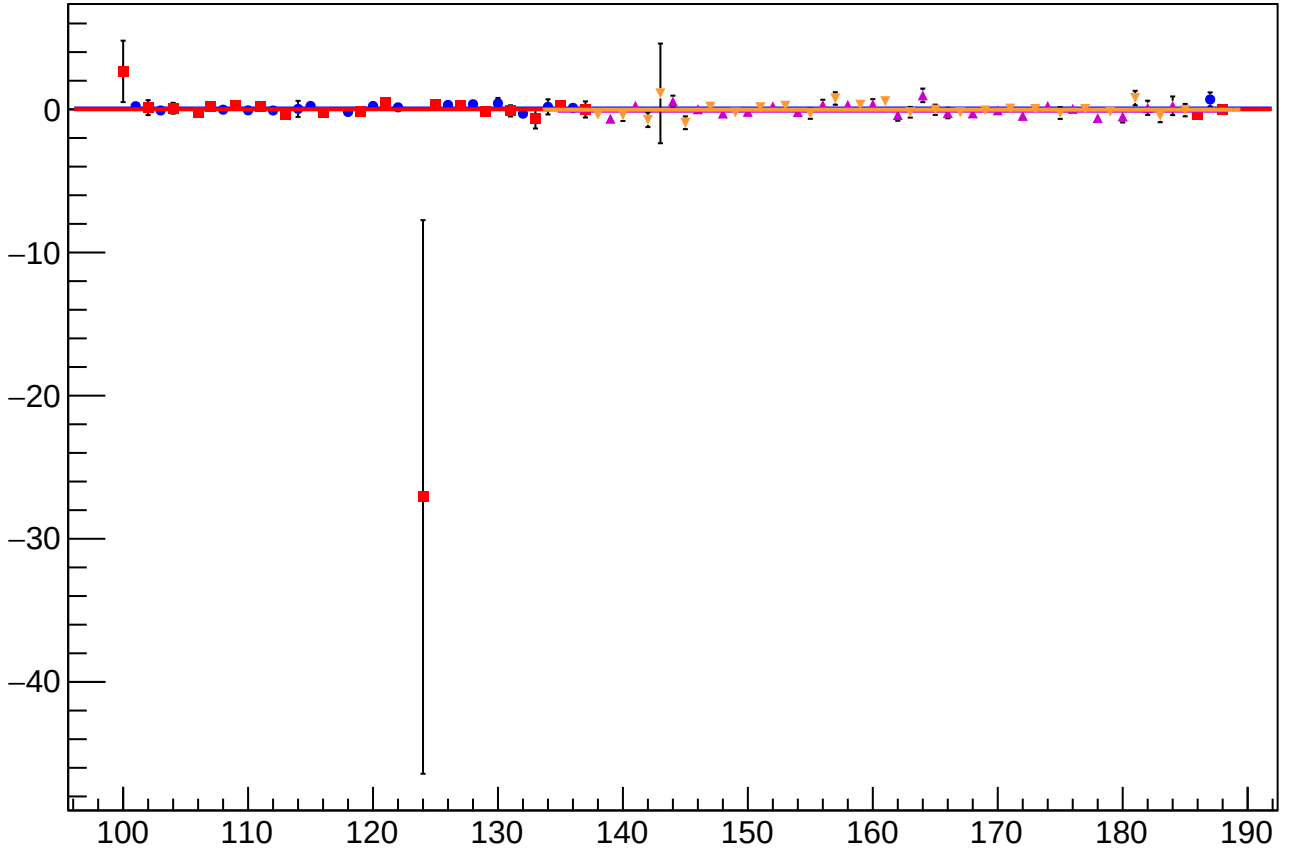
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 210.526+/-0.032 χ^2/NDF: 7469410.1/41

All: 198.414+/-0.021 χ^2/NDF: 16000499.4/85

- sign 188.419+/-0.029 χ^2/NDF: 8266372.9/43

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.006+/-0.054 χ^2/NDF: 24.1/20

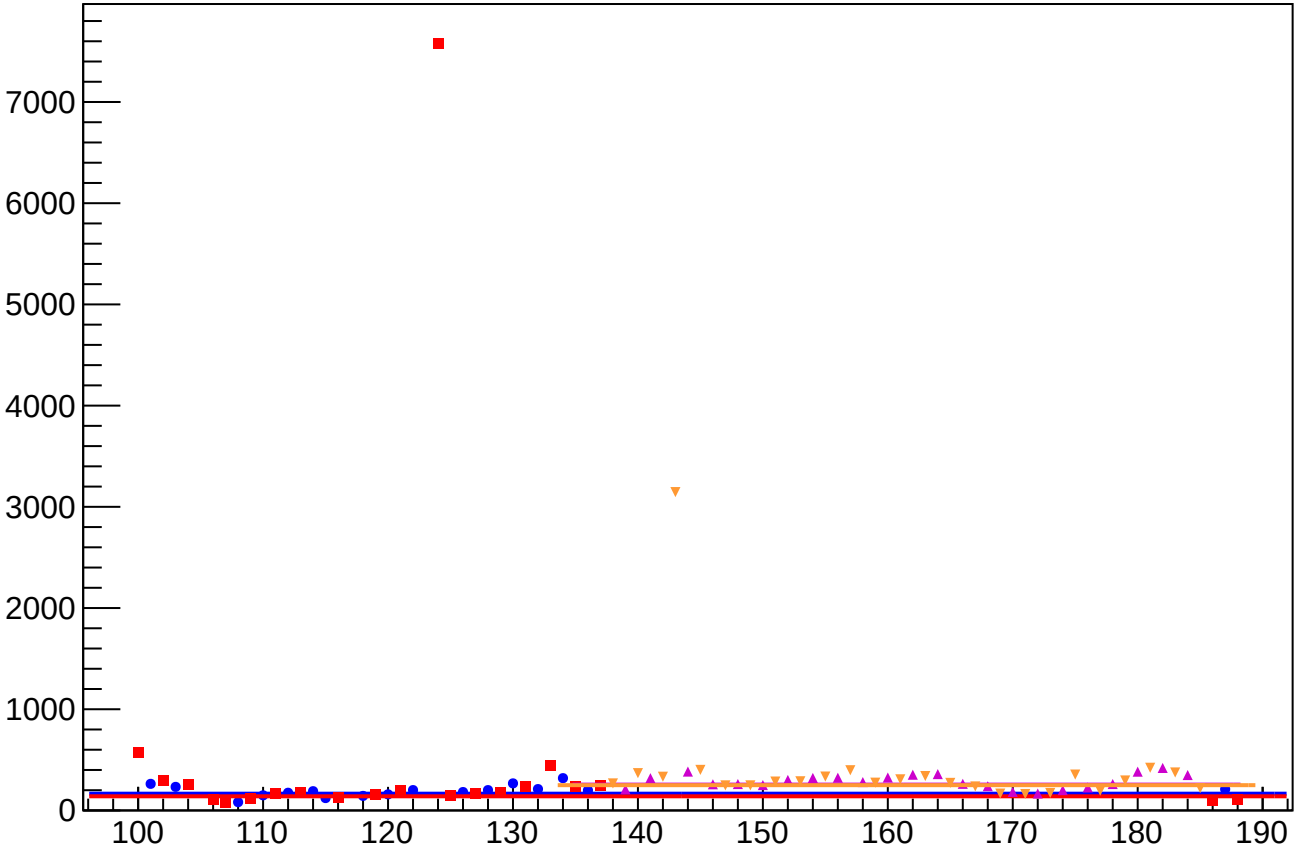
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.015+/-0.045 χ^2/NDF: 33.7/41

All: -0.013+/-0.030 χ^2/NDF: 91.5/85

- sign -0.037+/-0.041 χ^2/NDF: 57.1/43

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 165.674+/-0.047 χ^2/NDF: 1491436.5/16

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

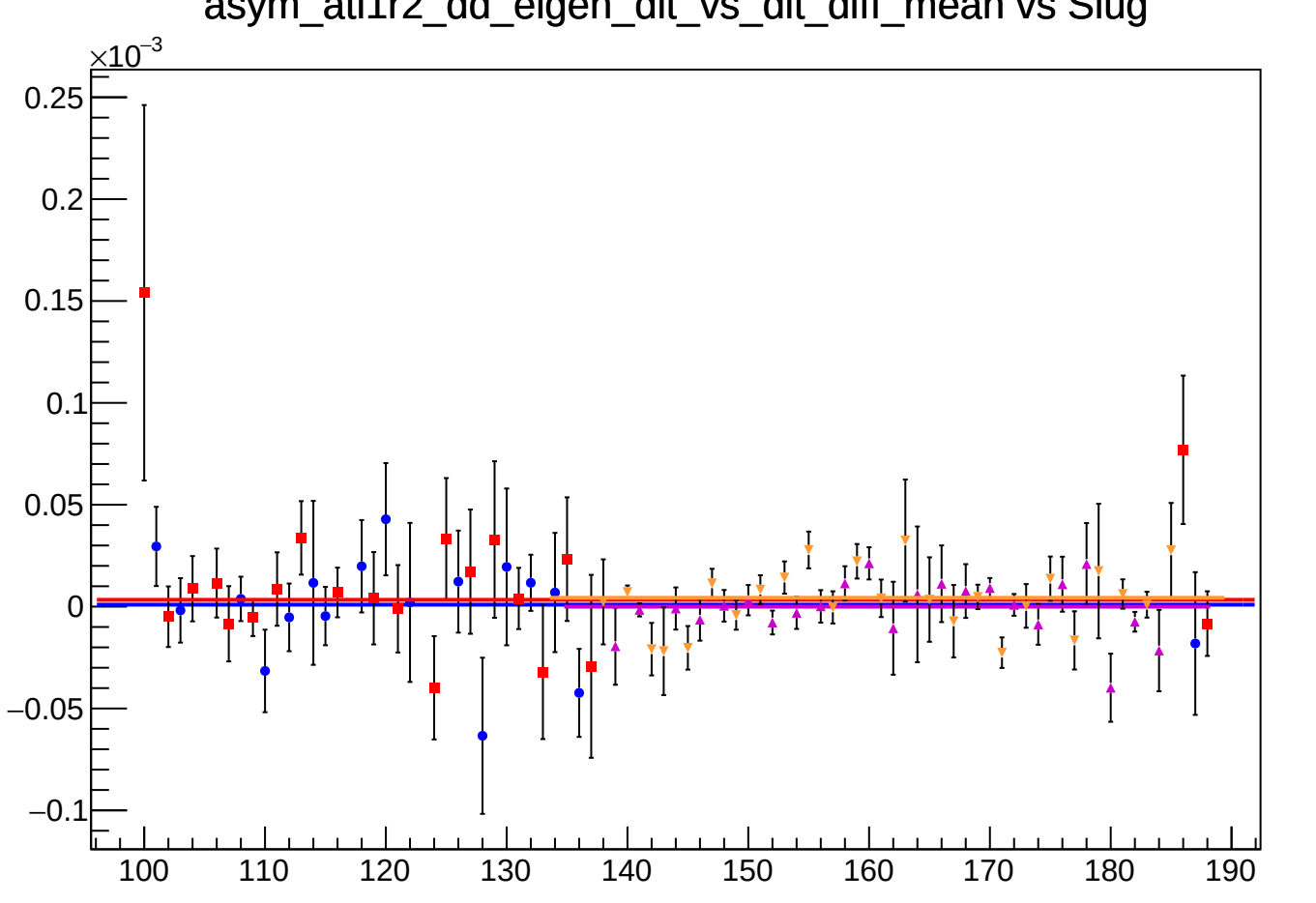
Right Out: 139.866+/-0.038 χ^2/NDF: 2264692.4/20

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 210.526+/-0.032 χ^2/NDF: 7469410.1/41

All: 198.414+/-0.021 χ^2/NDF: 16000499.4/85

- sign 188.419+/-0.029 χ^2/NDF: 8266372.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/20

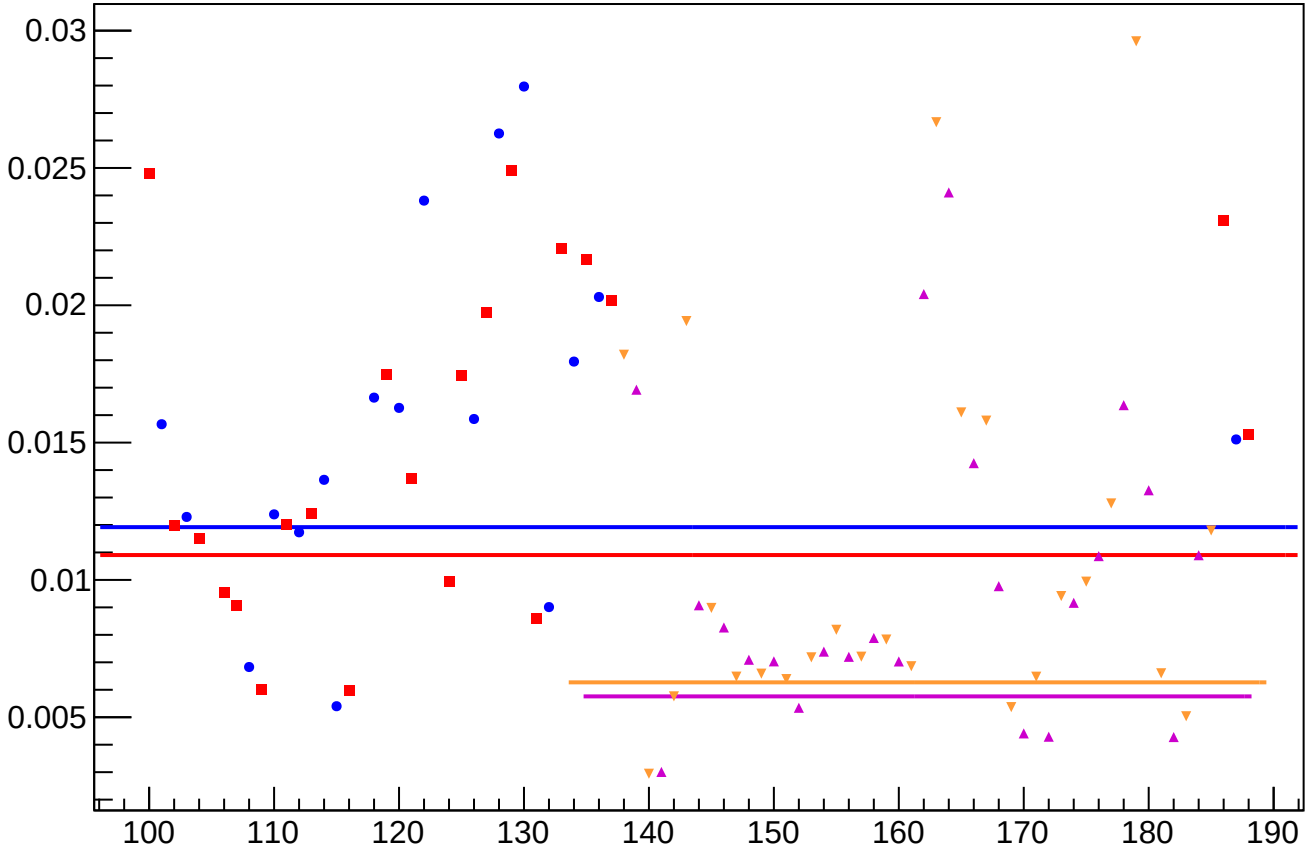
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.9/41

All: 0.000+/-0.000 χ^2/NDF: 114.5/85

- sign 0.000+/-0.000 χ^2/NDF: 48.8/43

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2424146.6/16

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

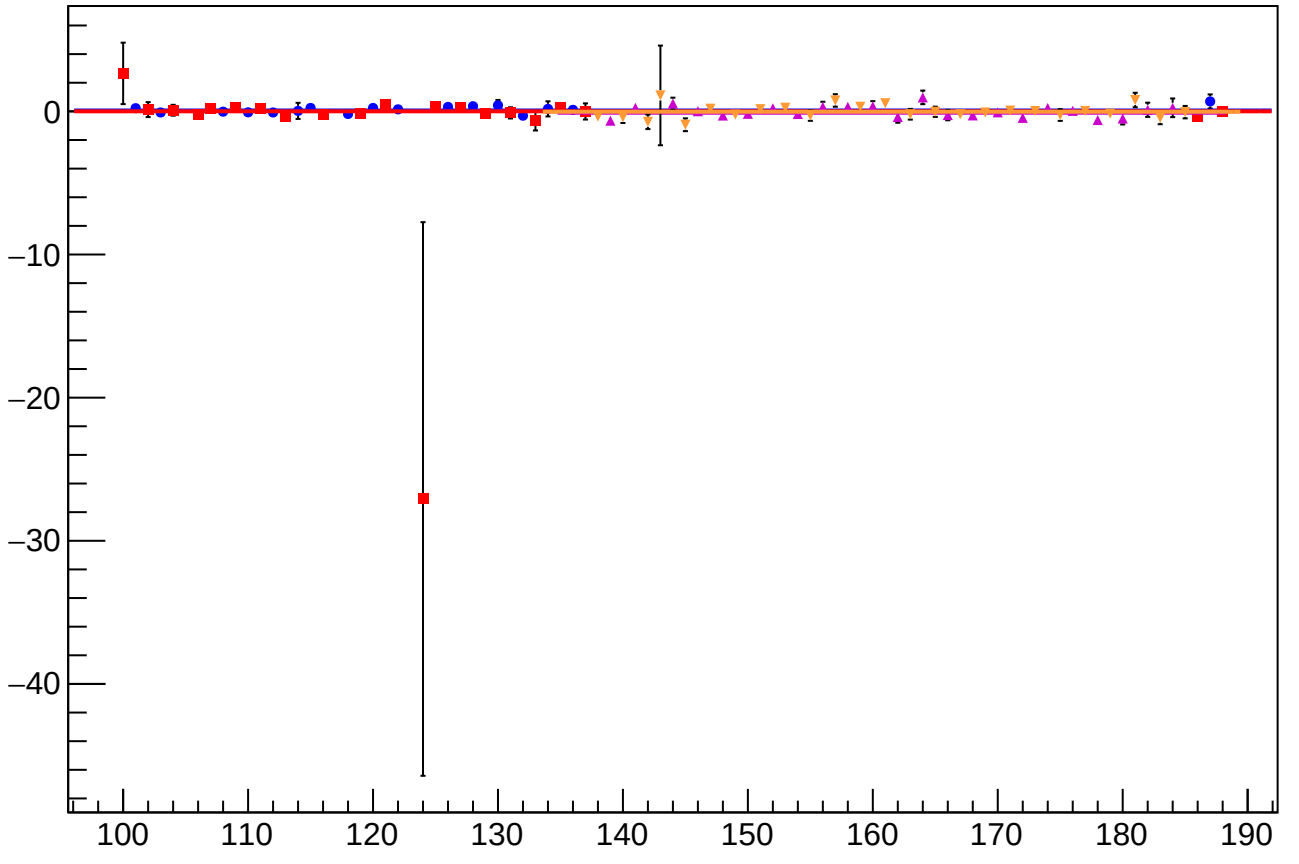
Right Out: 0.011+/-0.000 χ^2/NDF: 2757896.9/20

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 12788293.7/41

All: 0.007+/-0.000 χ^2/NDF: 25487316.5/85

- sign 0.006+/-0.000 χ^2/NDF: 12619704.4/43



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.006+/-0.054 χ^2/NDF: 24.1/20

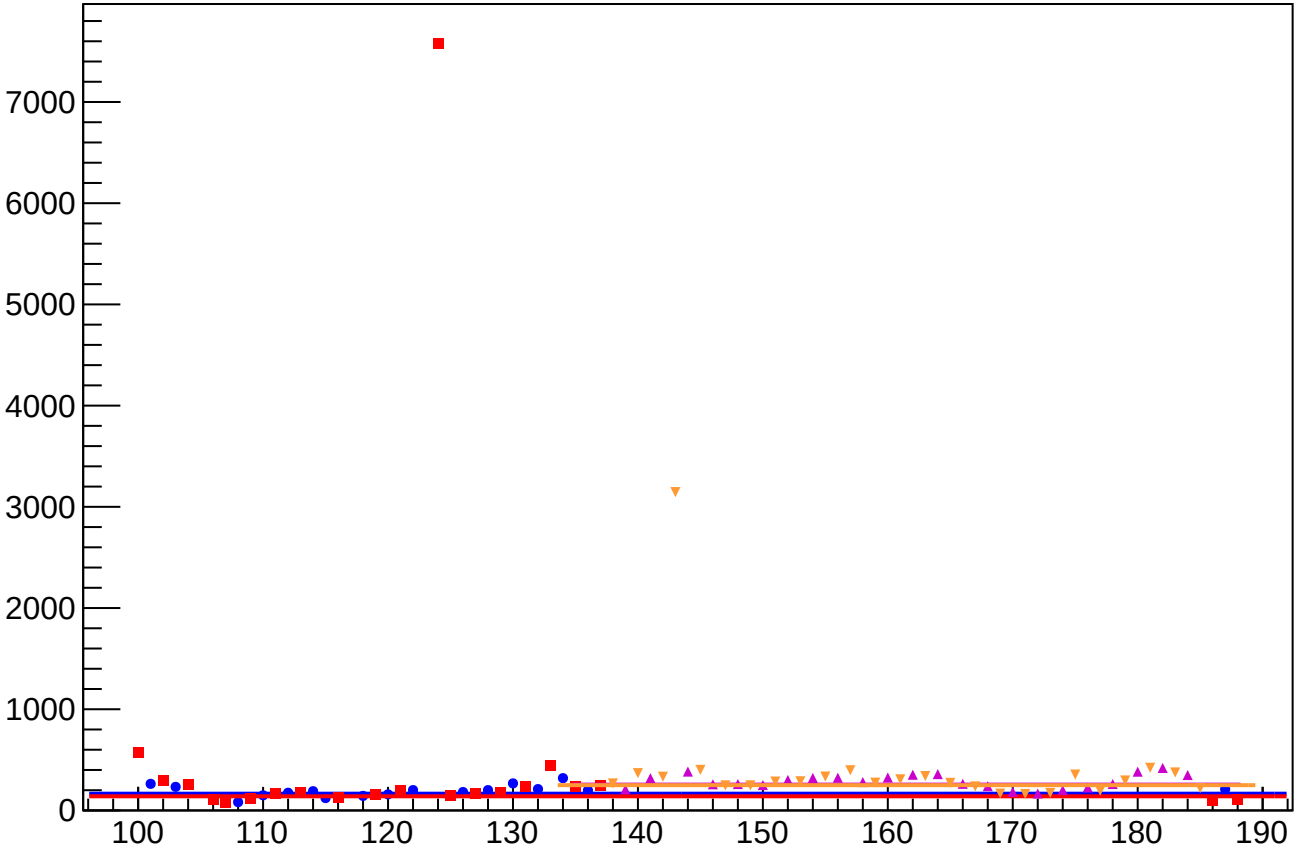
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.015+/-0.045 χ^2/NDF: 33.7/41

All: -0.013+/-0.030 χ^2/NDF: 91.5/85

- sign -0.037+/-0.041 χ^2/NDF: 57.1/43

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 165.674+/-0.047 χ^2/NDF: 1491407.5/16

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

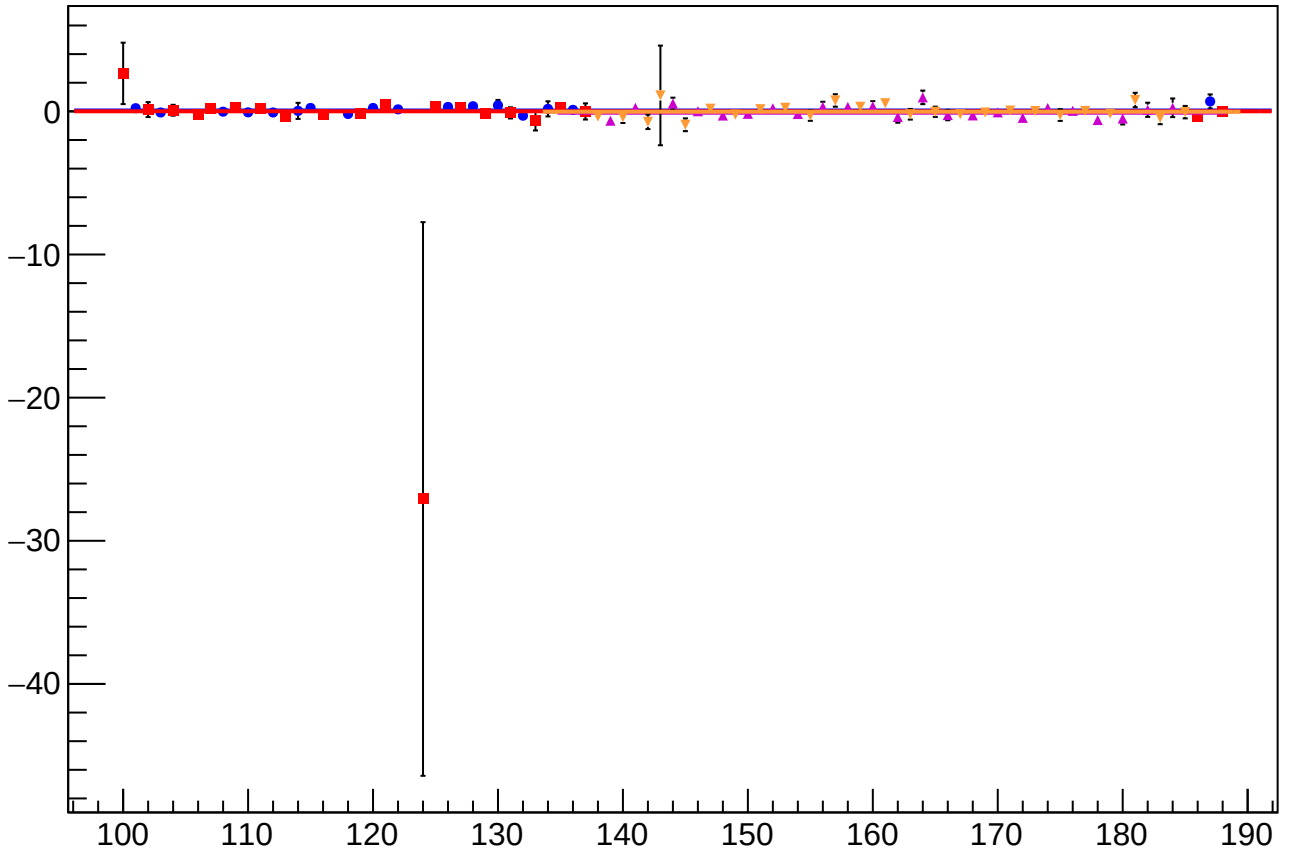
Right Out: 139.868+/-0.038 χ^2/NDF: 2264615.7/20

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 210.527+/-0.032 χ^2/NDF: 7469547.0/41

All: 198.415+/-0.021 χ^2/NDF: 16000448.7/85

- sign 188.421+/-0.029 χ^2/NDF: 8266243.0/43



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

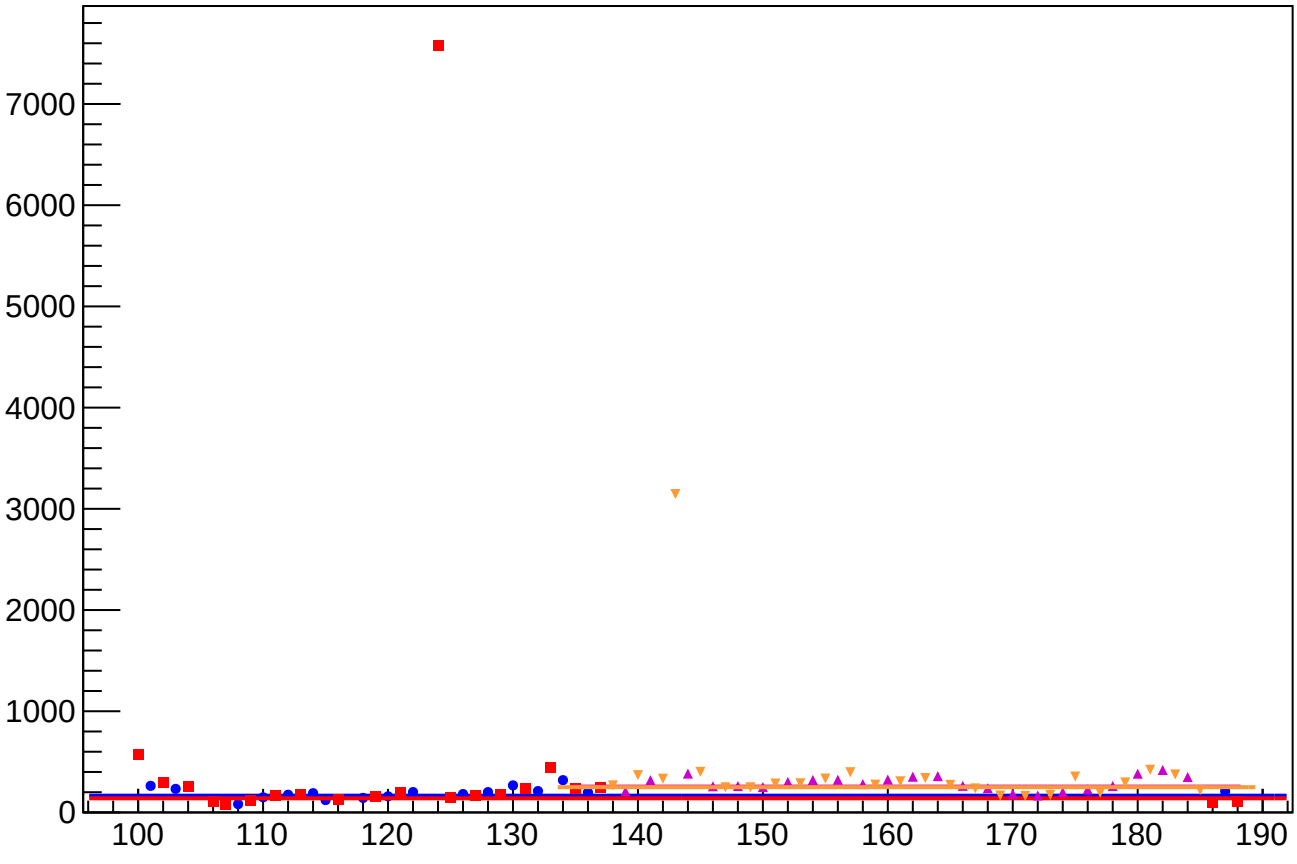
Right Out: 0.006+/-0.054 χ^2/NDF: 24.1/20

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.015+/-0.045 χ^2/NDF: 33.7/41

All: -0.013+/-0.030 χ^2/NDF: 91.5/85

- sign -0.037+/-0.041 χ^2/NDF: 57.1/43



Right In: 165.674+/-0.047 χ^2/NDF: 1491407.5/16

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

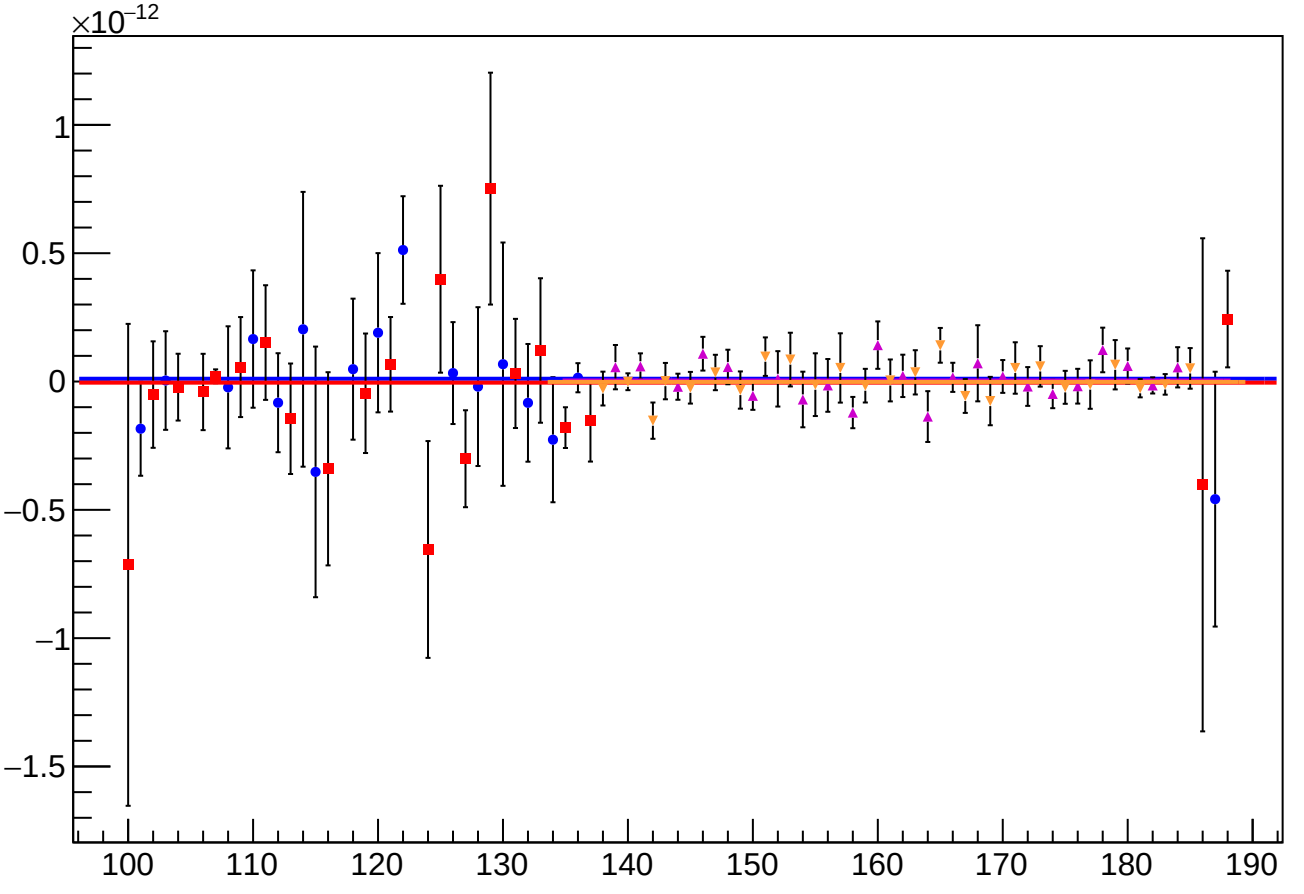
Right Out: 139.868+/-0.038 χ^2/NDF: 2264615.7/20

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 210.527+/-0.032 χ^2/NDF: 7469547.0/41

All: 198.415+/-0.021 χ^2/NDF: 16000448.7/85

- sign 188.421+/-0.029 χ^2/NDF: 8266243.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

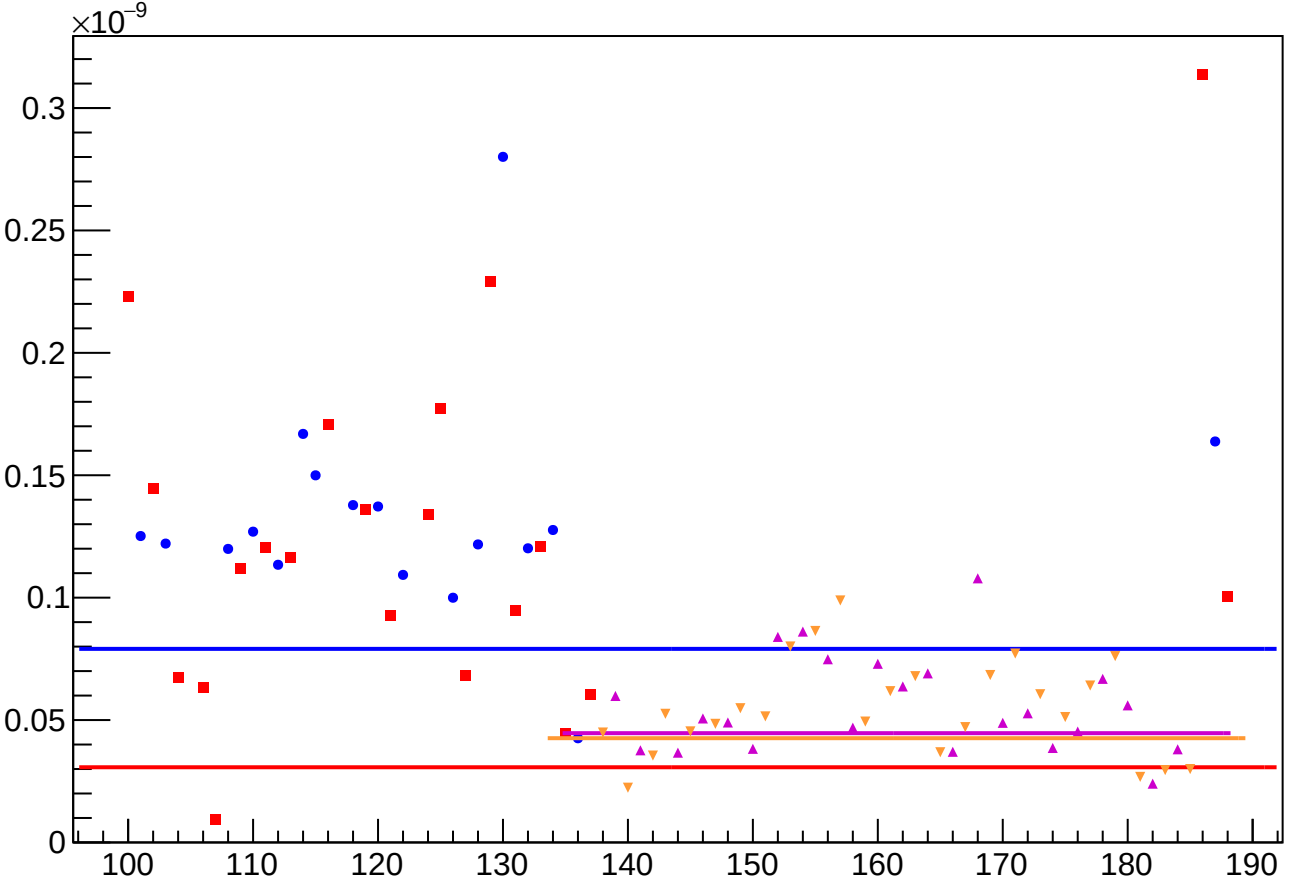
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/20

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.0/41

All: 0.000+/-0.000 χ^2/NDF: 67.2/85

- sign 0.000+/-0.000 χ^2/NDF: 40.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 2161705.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5941300.2/20

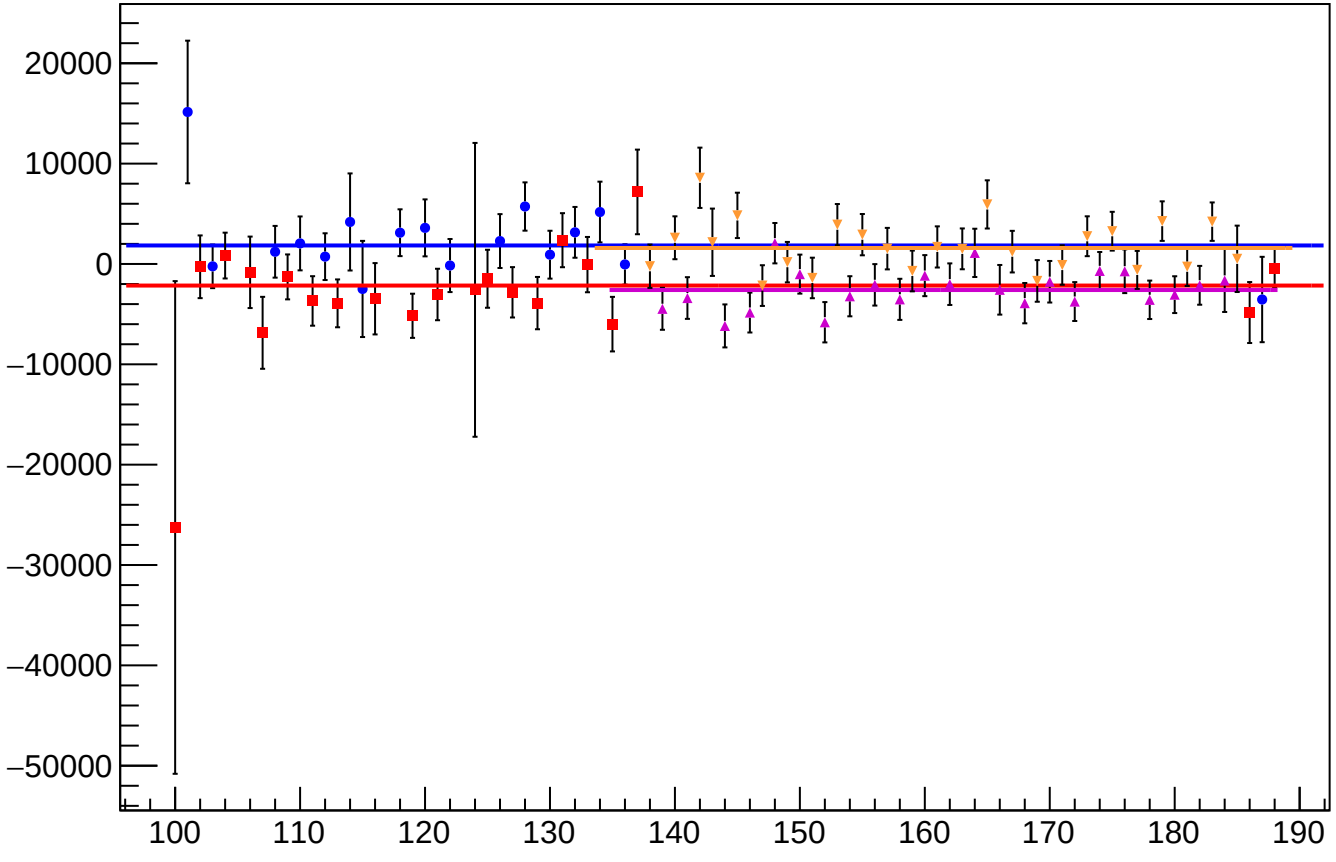
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7174337.3/41

All: 0.000+/-0.000 χ^2/NDF: 16693441.9/85

- sign 0.000+/-0.000 χ^2/NDF: 9364929.8/43

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1843.574+/-659.631 χ^2/NDF: 13.8/16

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2151.466+/-609.010 χ^2/NDF: 20.6/20

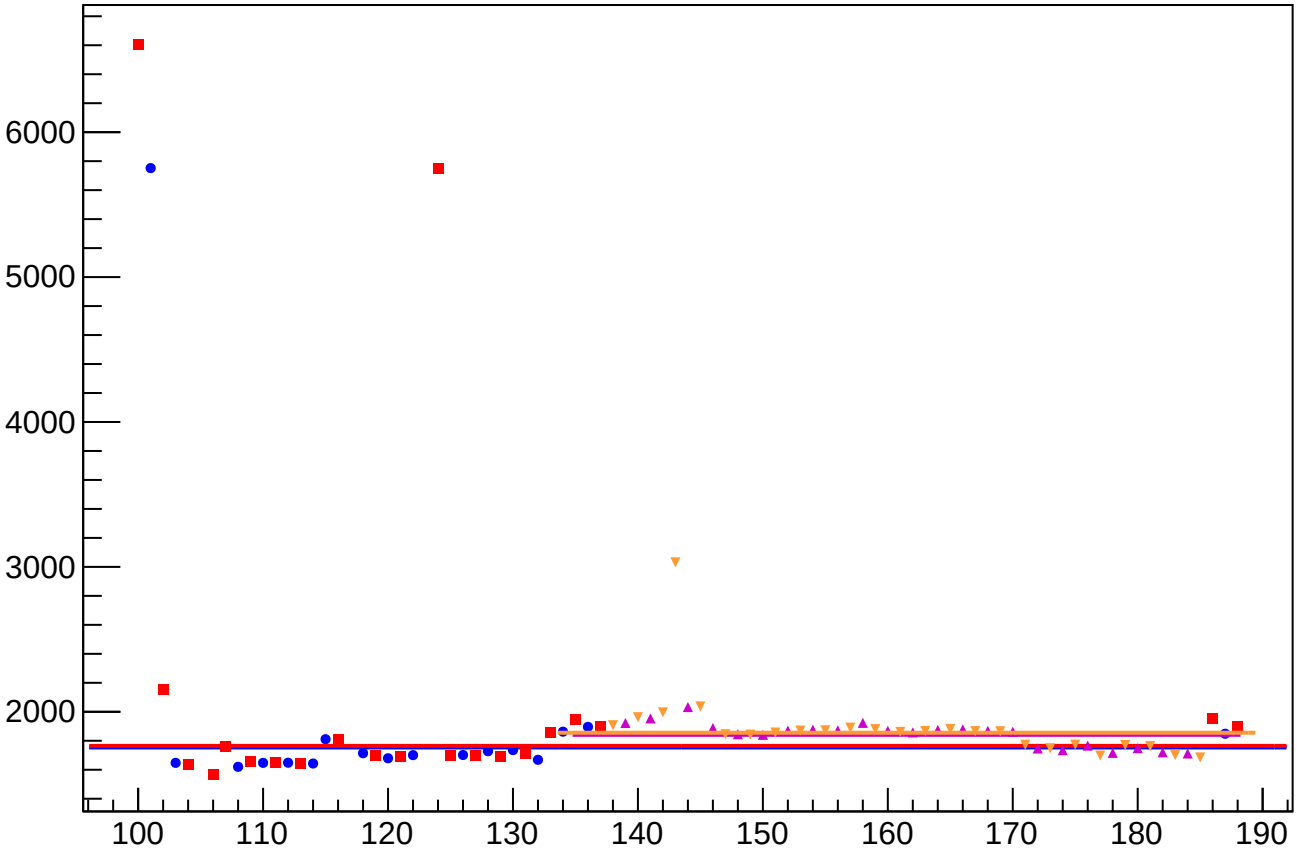
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1665.709+/-356.253 χ^2/NDF: 45.1/41

All: -419.784+/-250.185 χ^2/NDF: 153.8/85

- sign -2449.139+/-351.426 χ^2/NDF: 41.0/43

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1753.939+/-0.466 χ^2/NDF: 671666.1/16

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1764.692+/-0.428 χ^2/NDF: 324366.4/20

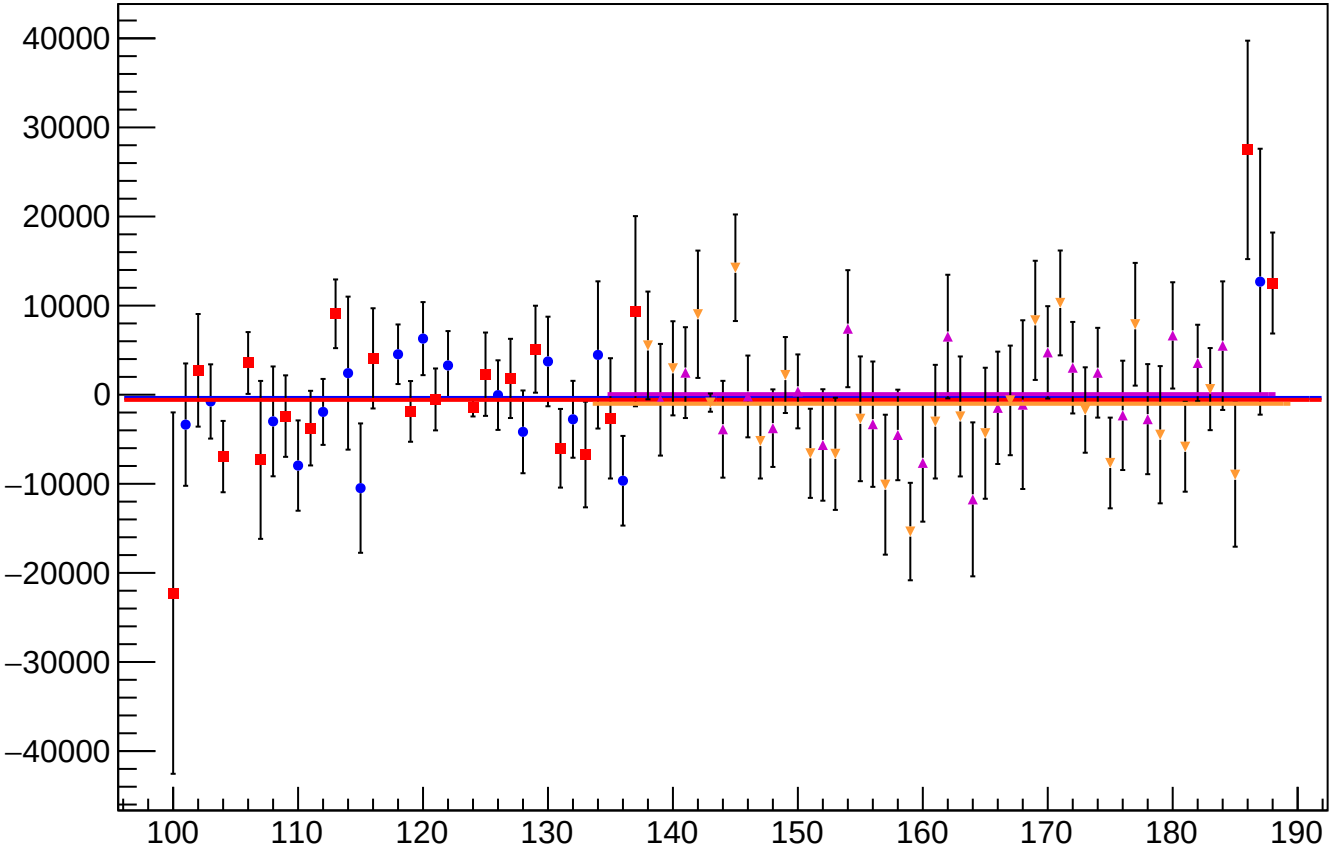
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1825.918+/-0.252 χ^2/NDF: 1029555.2/41

All: 1820.557+/-0.177 χ^2/NDF: 1446911.0/85

- sign 1815.362+/-0.248 χ^2/NDF: 416463.9/43

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -363.467+/-1170.828 χ^2/NDF: 16.7/16

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -578.832+/-718.620 χ^2/NDF: 30.9/20

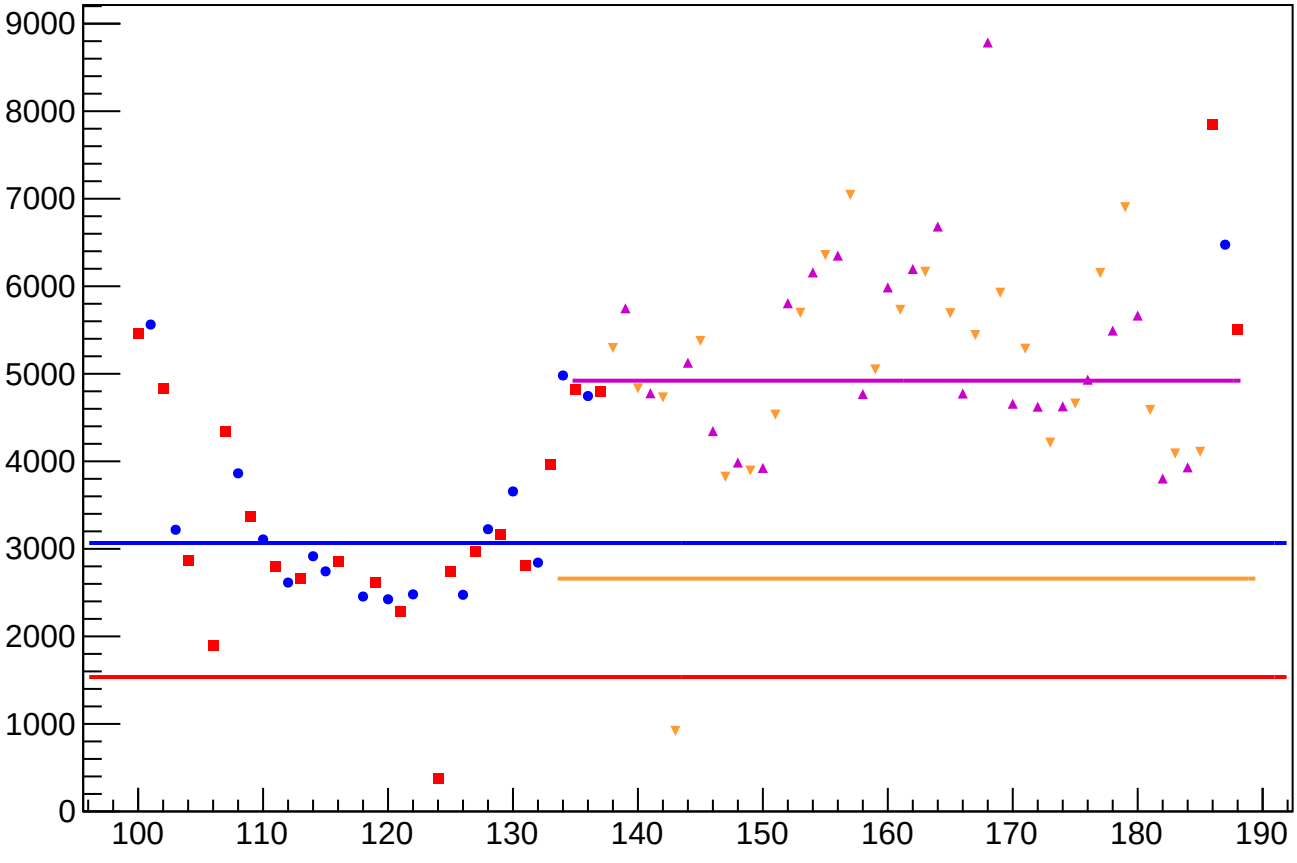
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -820.330+/-644.400 χ^2/NDF: 50.7/41

All: -601.688+/-444.078 χ^2/NDF: 95.0/85

- sign -403.943+/-612.831 χ^2/NDF: 44.1/43

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3067.025+/-0.828 χ^2/NDF: 1012336.5/16

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1535.687+/-0.508 χ^2/NDF: 8325922.4/20

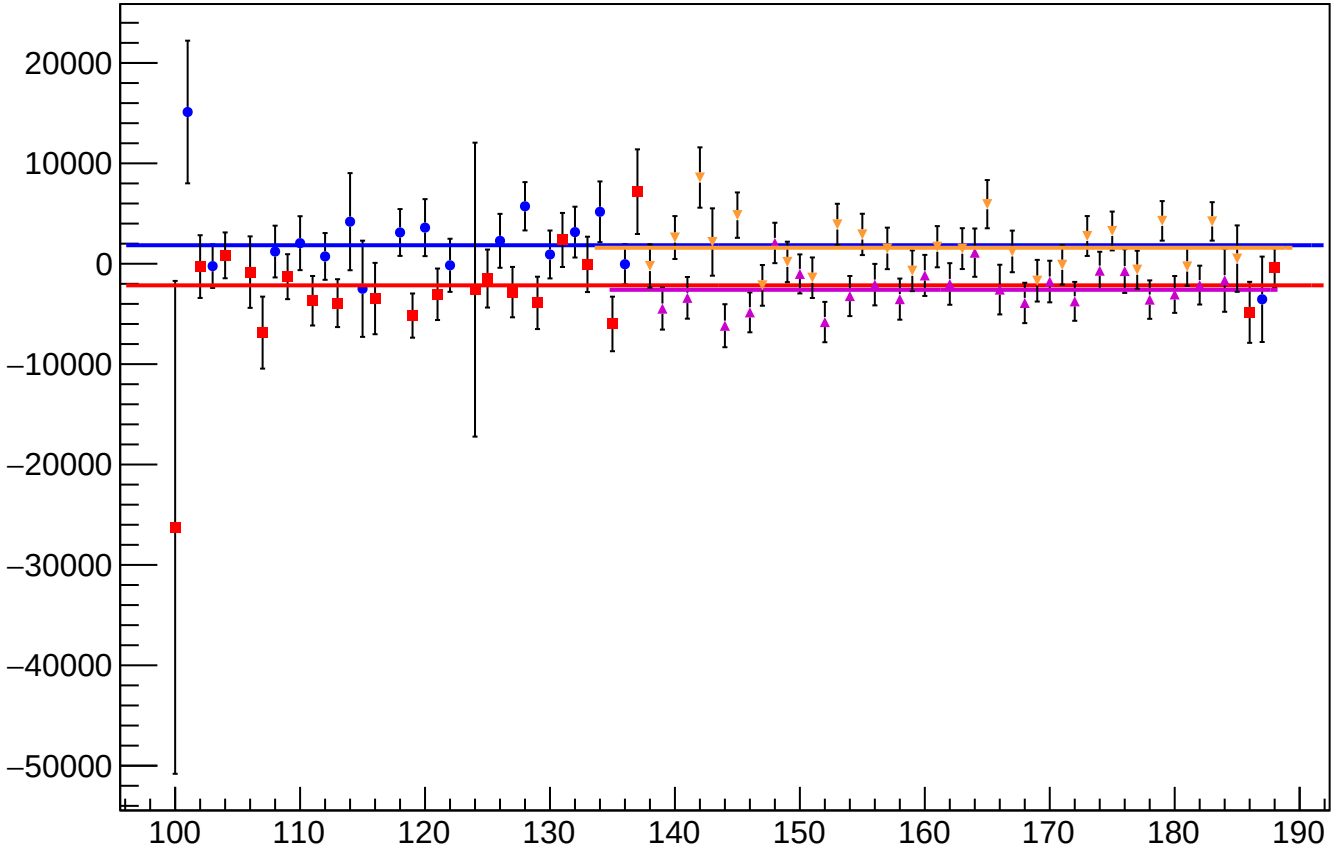
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2783.302+/-0.456 χ^2/NDF: 15716891.3/41

All: 2613.078+/-0.314 χ^2/NDF: 37667872.6/8

- sign 2459.125+/-0.433 χ^2/NDF: 21685202.6/43

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1843.233+/-659.631 χ^2/NDF: 13.7/16

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2151.504+/-609.010 χ^2/NDF: 20.6/20

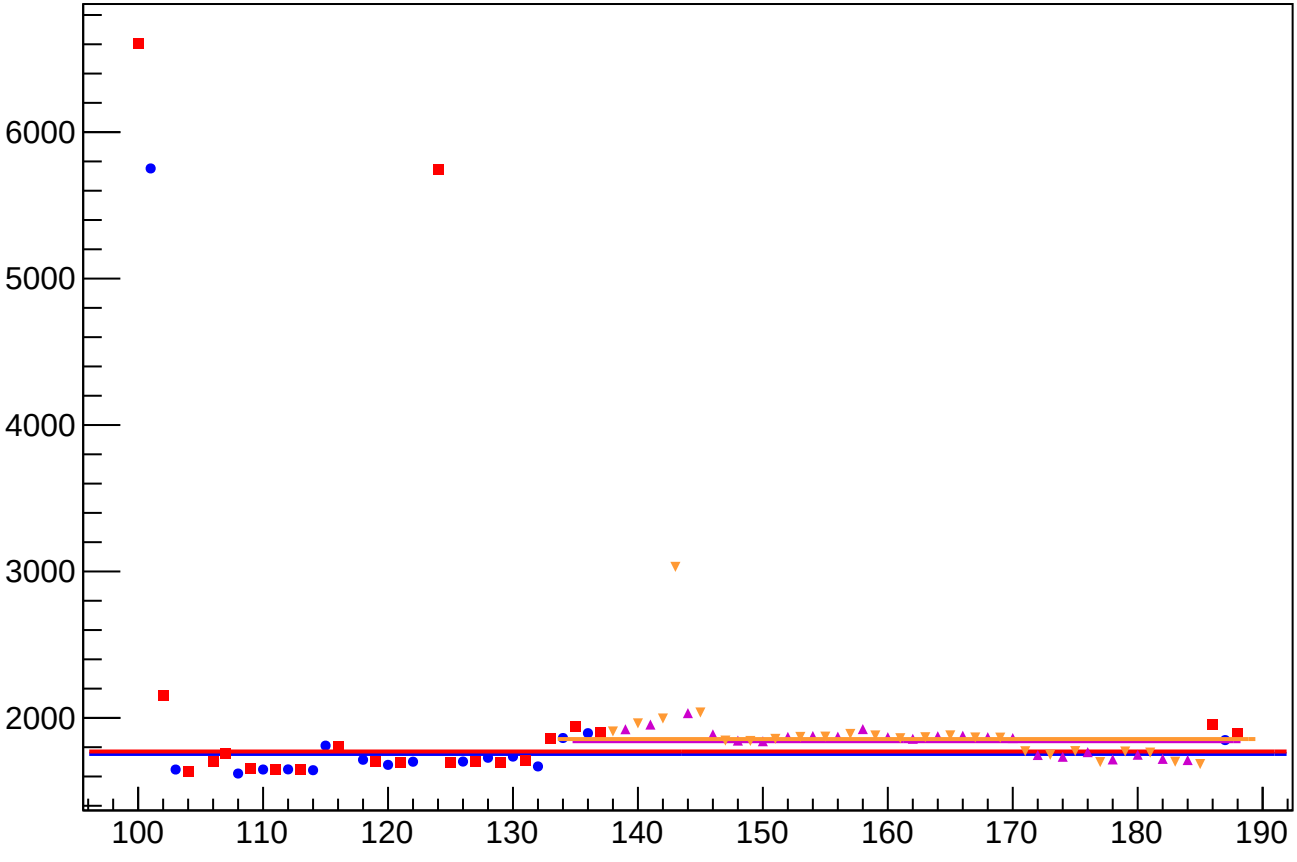
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1665.587+/-356.254 χ^2/NDF: 45.1/41

All: -419.875+/-250.185 χ^2/NDF: 153.8/85

- sign -2449.200+/-351.426 χ^2/NDF: 41.0/43

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1753.939+/-0.466 χ^2/NDF: 671666.4/16

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1770.645+/-0.429 χ^2/NDF: 316140.1/20

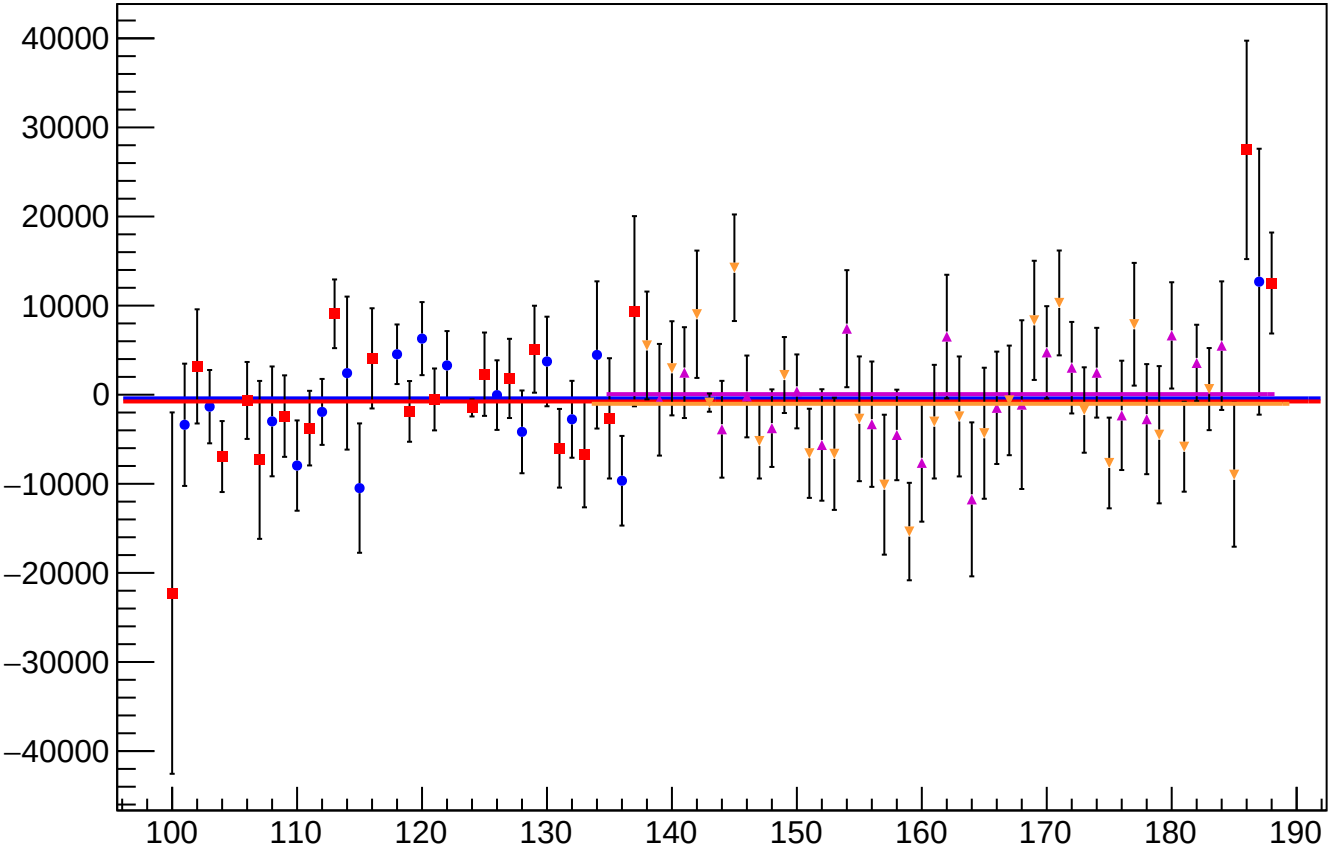
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1825.918+/-0.252 χ^2/NDF: 1029555.7/41

All: 1821.627+/-0.177 χ^2/NDF: 1435124.3/85

- sign 1817.460+/-0.248 χ^2/NDF: 404996.6/43

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -411.977+/-1169.630 χ^2/NDF: 16.7/16

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -758.911+/-724.174 χ^2/NDF: 29.5/20

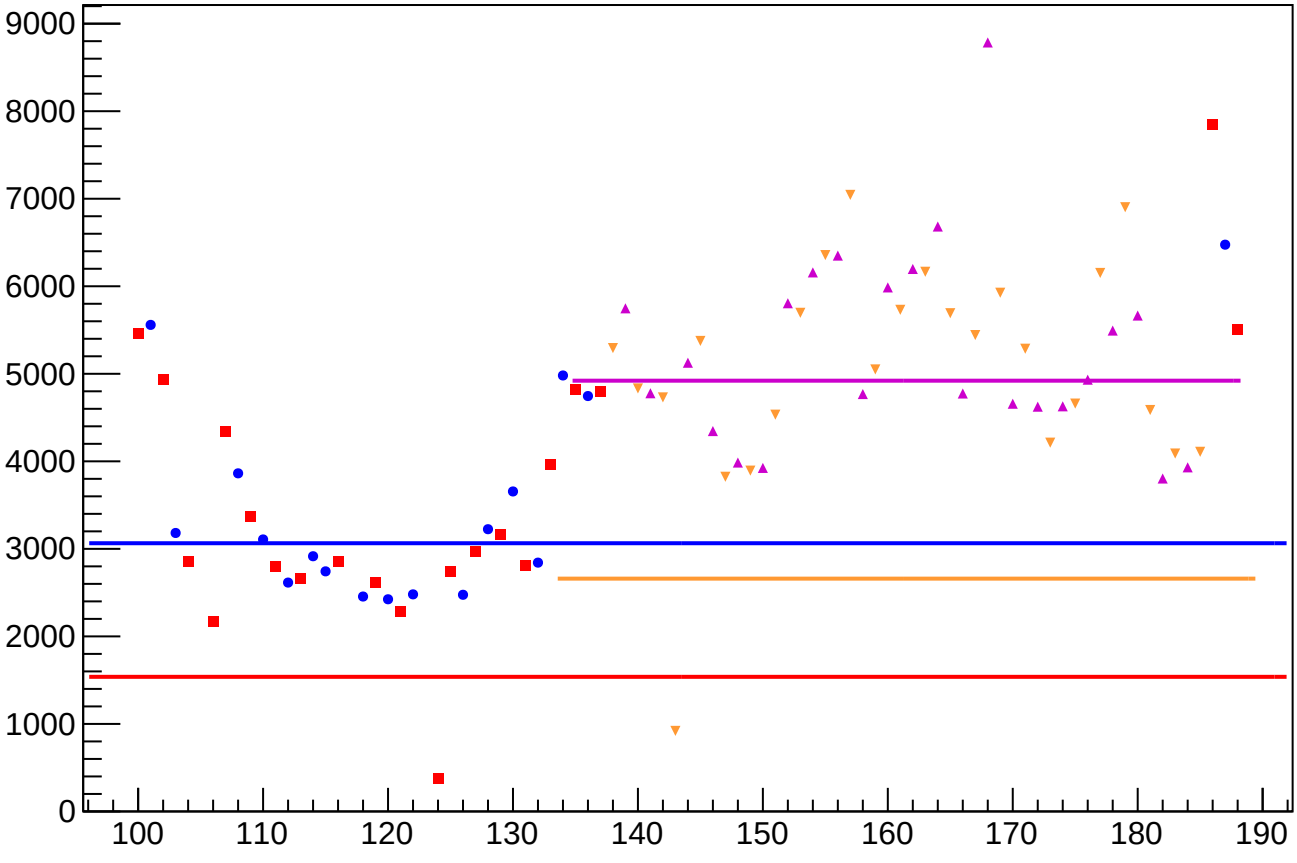
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -834.664+/-644.190 χ^2/NDF: 50.7/41

All: -676.844+/-445.310 χ^2/NDF: 93.6/85

- sign -532.411+/-616.264 χ^2/NDF: 42.9/43

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3064.350+/-0.827 χ^2/NDF: 1010774.7/16

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1538.016+/-0.512 χ^2/NDF: 8363596.8/20

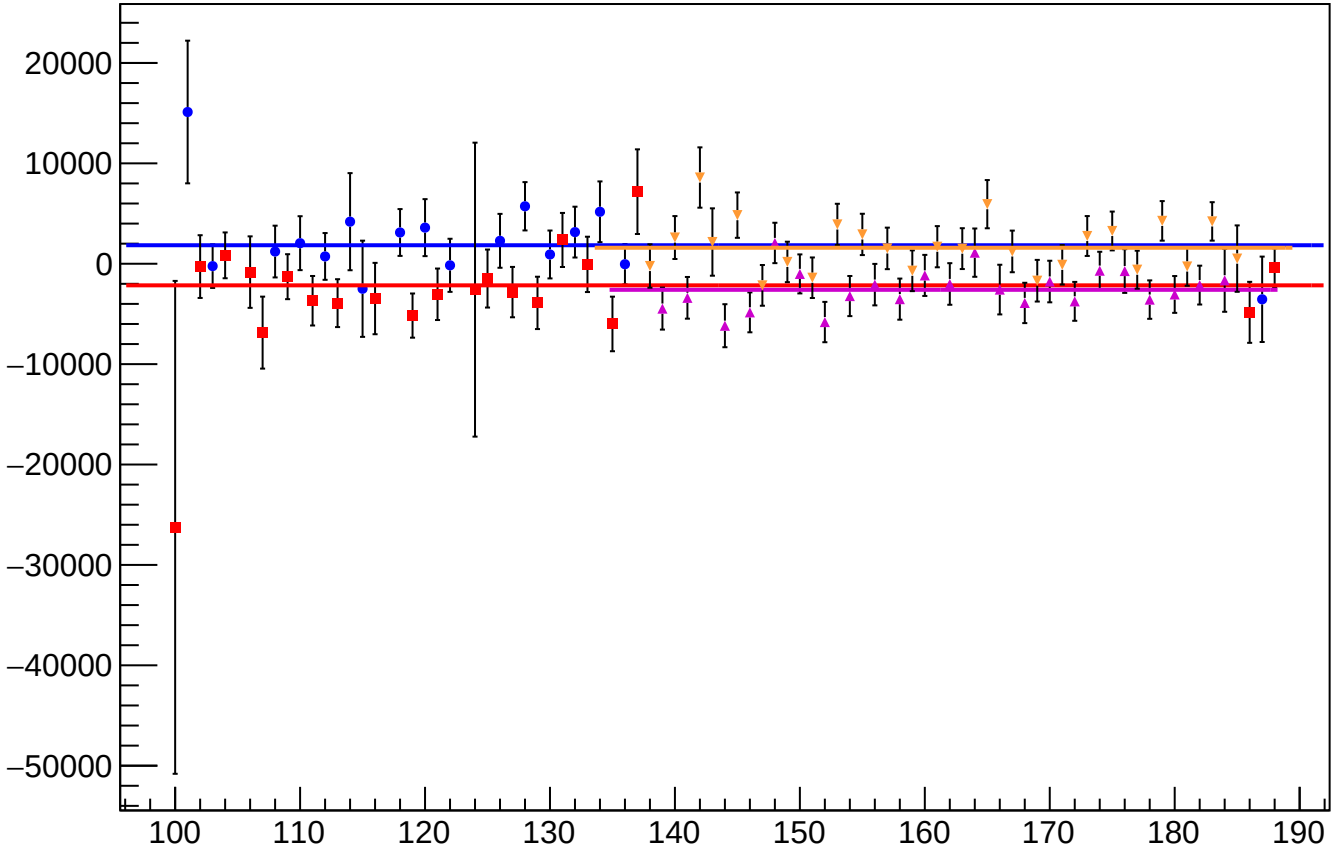
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2782.591+/-0.456 χ^2/NDF: 15714185.7/41

All: 2619.993+/-0.315 χ^2/NDF: 37613479.9/8

- sign 2471.187+/-0.436 χ^2/NDF: 21655264.9/43

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1843.233+/-659.631 χ^2/NDF: 13.7/16

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2151.504+/-609.010 χ^2/NDF: 20.6/20

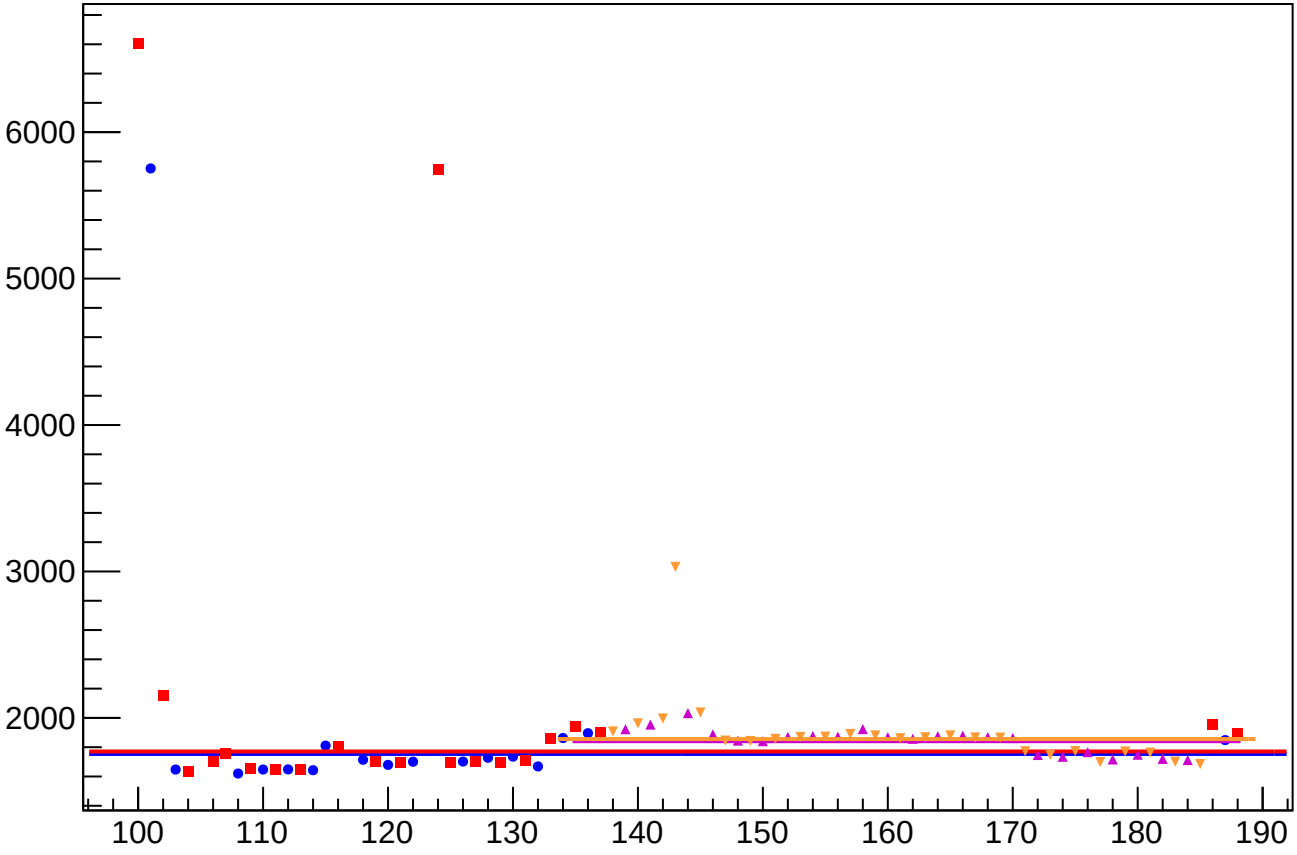
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1665.587+/-356.254 χ^2/NDF: 45.1/41

All: -419.875+/-250.185 χ^2/NDF: 153.8/85

- sign -2449.200+/-351.426 χ^2/NDF: 41.0/43

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1753.939+/-0.466 χ^2/NDF: 671666.4/16

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

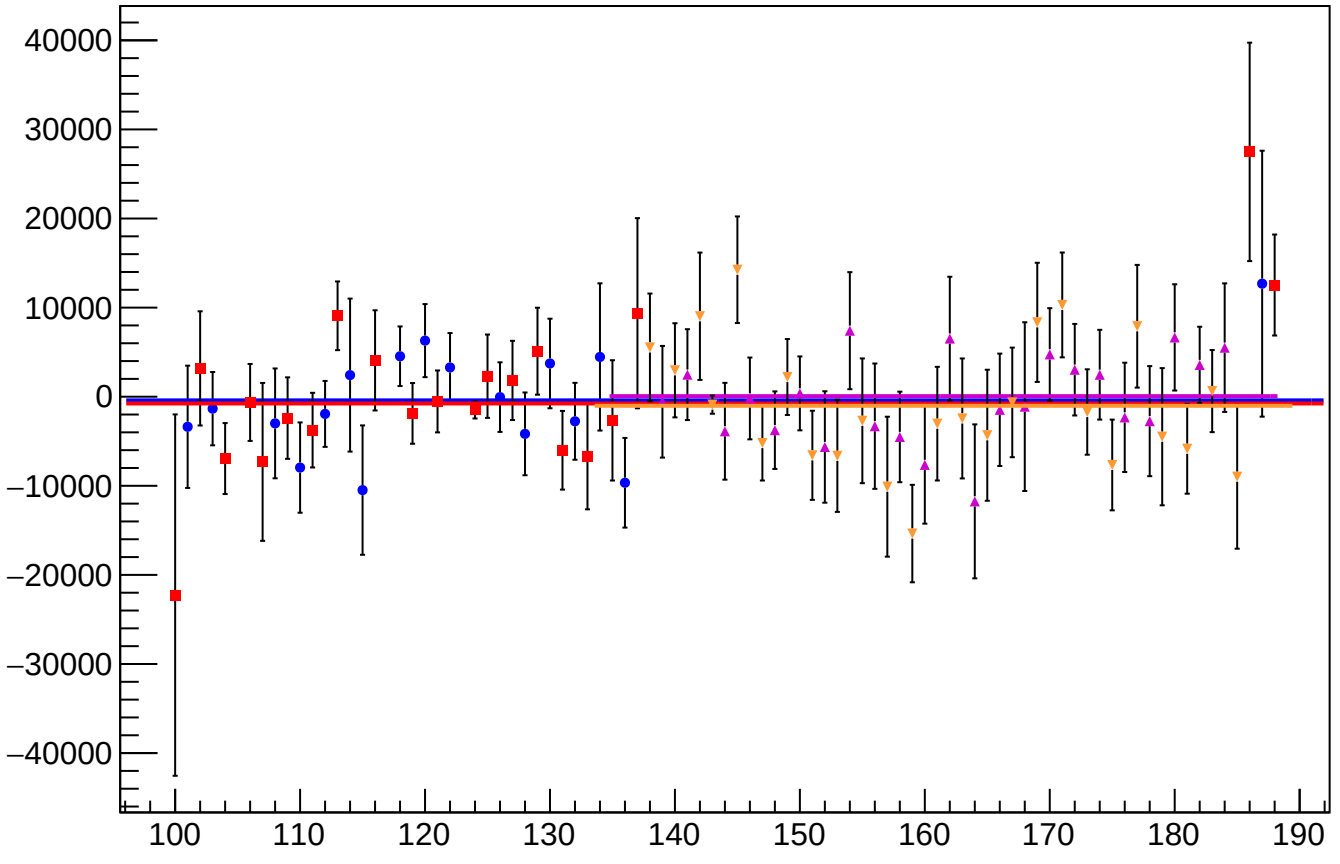
Right Out: 1770.645+/-0.429 χ^2/NDF: 316140.1/20

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1825.918+/-0.252 χ^2/NDF: 1029555.7/41

All: 1821.627+/-0.177 χ^2/NDF: 1435124.3/85

- sign 1817.460+/-0.248 χ^2/NDF: 404996.6/43



Right In: -411.977+/-1169.630 χ^2/NDF: 16.7/16

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

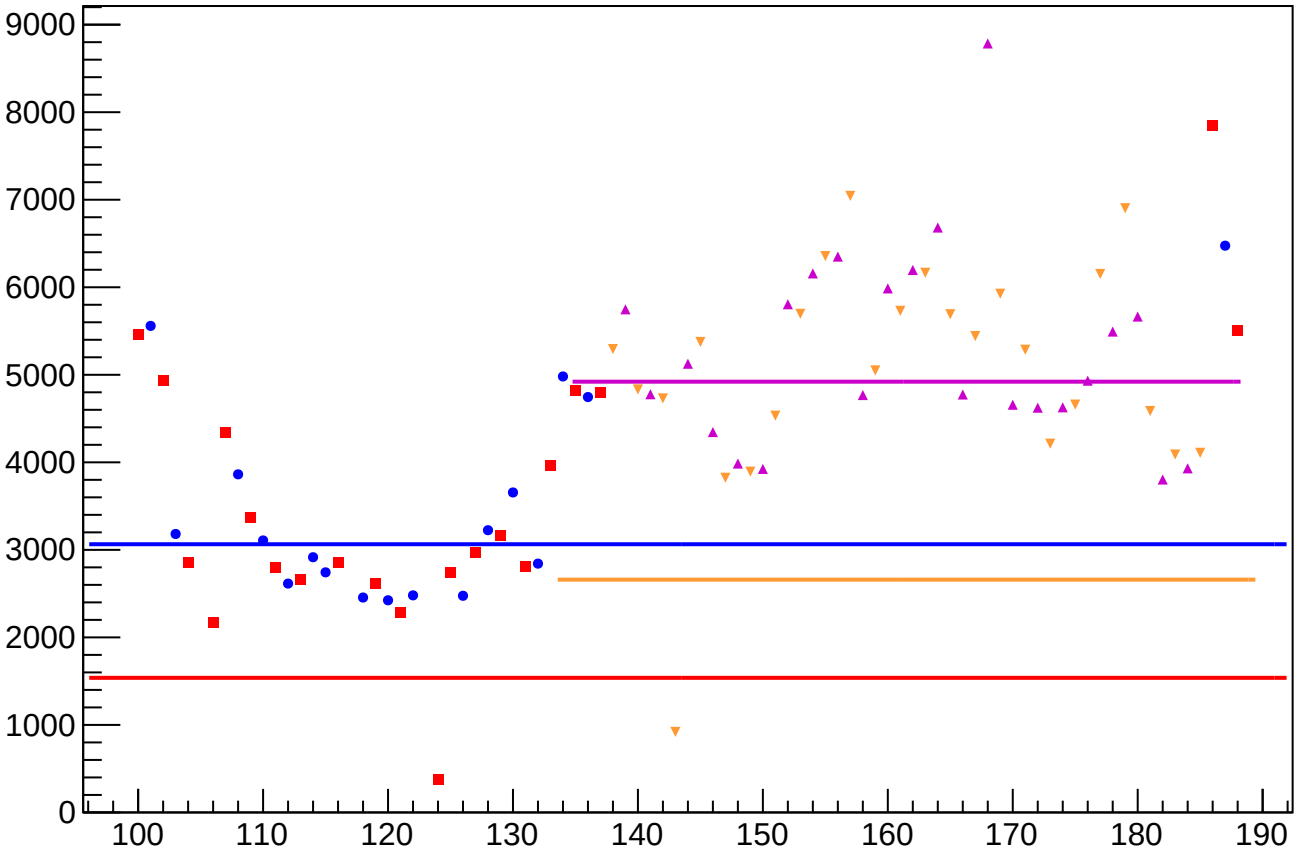
Right Out: -758.911+/-724.174 χ^2/NDF: 29.5/20

Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -834.664+/-644.190 χ^2/NDF: 50.7/41

All: -676.844+/-445.310 χ^2/NDF: 93.6/85

- sign -532.411+/-616.264 χ^2/NDF: 42.9/43



Right In: 3064.350+/-0.827 χ^2/NDF: 1010774.7/16

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1538.016+/-0.512 χ^2/NDF: 8363596.8/20

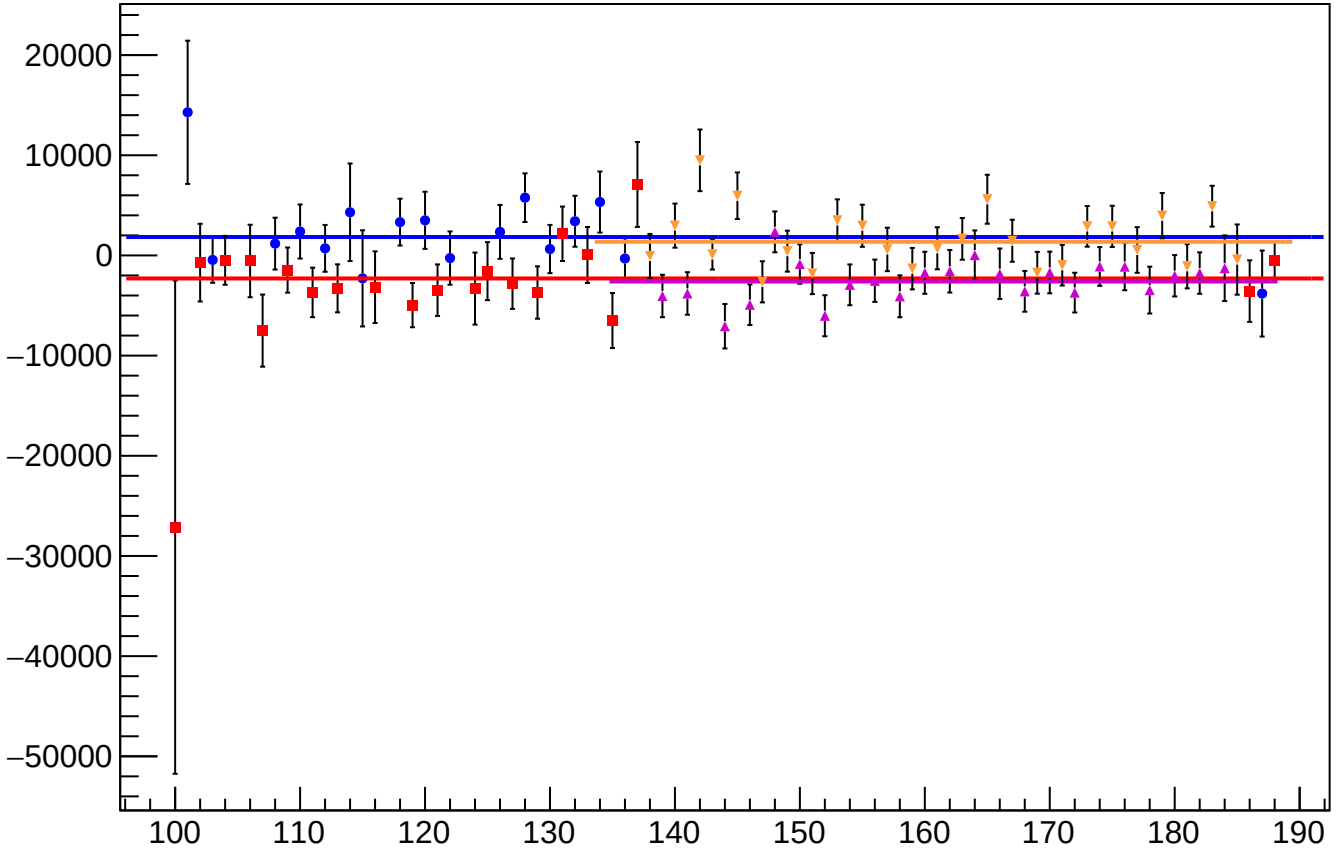
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2782.591+/-0.456 χ^2/NDF: 15714185.7/41

All: 2619.993+/-0.315 χ^2/NDF: 37613479.9/8

- sign 2471.187+/-0.436 χ^2/NDF: 21655264.9/43

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1836.666+/-665.923 χ^2/NDF: 14.2/16

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2297.524+/-610.637 χ^2/NDF: 18.5/20

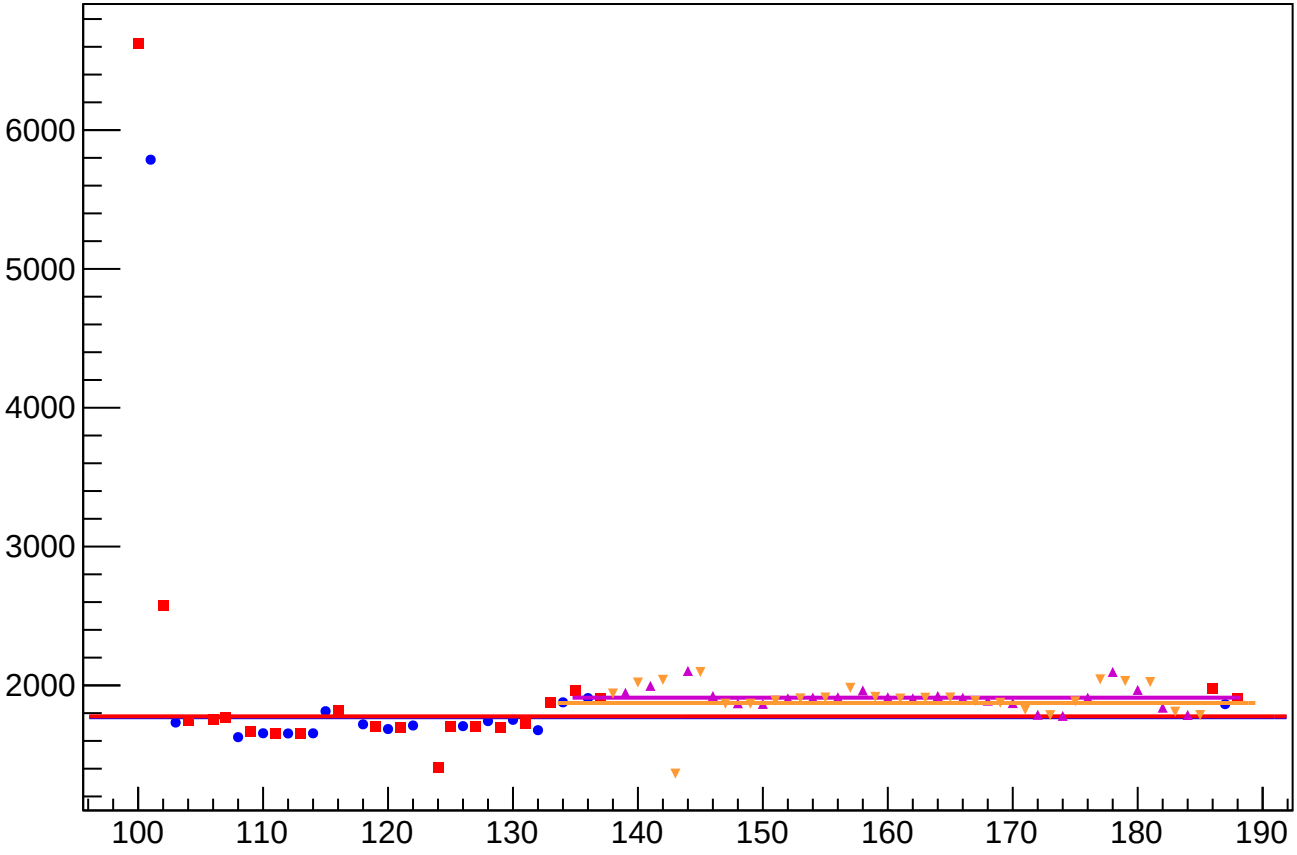
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1501.788+/-359.650 χ^2/NDF: 50.7/41

All: -492.291+/-254.629 χ^2/NDF: 151.1/85

- sign -2496.393+/-360.553 χ^2/NDF: 38.7/43

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1770.806+/-0.471 χ^2/NDF: 668356.9/16

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1776.962+/-0.431 χ^2/NDF: 238462.4/20

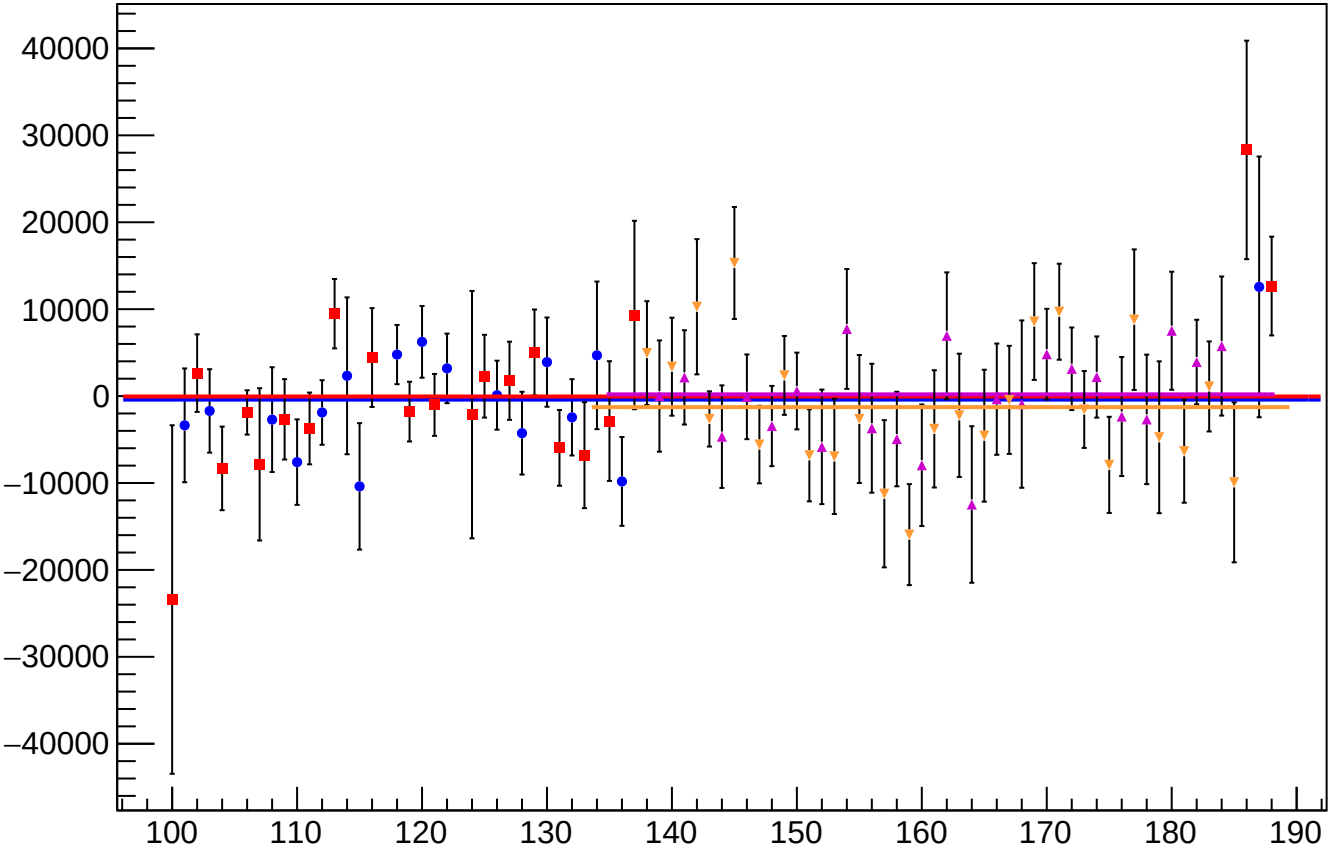
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1843.318+/-0.254 χ^2/NDF: 1011569.0/41

All: 1853.844+/-0.180 χ^2/NDF: 1375958.1/85

- sign 1864.405+/-0.255 χ^2/NDF: 360956.9/43

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -405.284+/-1194.697 χ^2/NDF: 16.5/16

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -47.527+/-1047.348 χ^2/NDF: 29.3/20

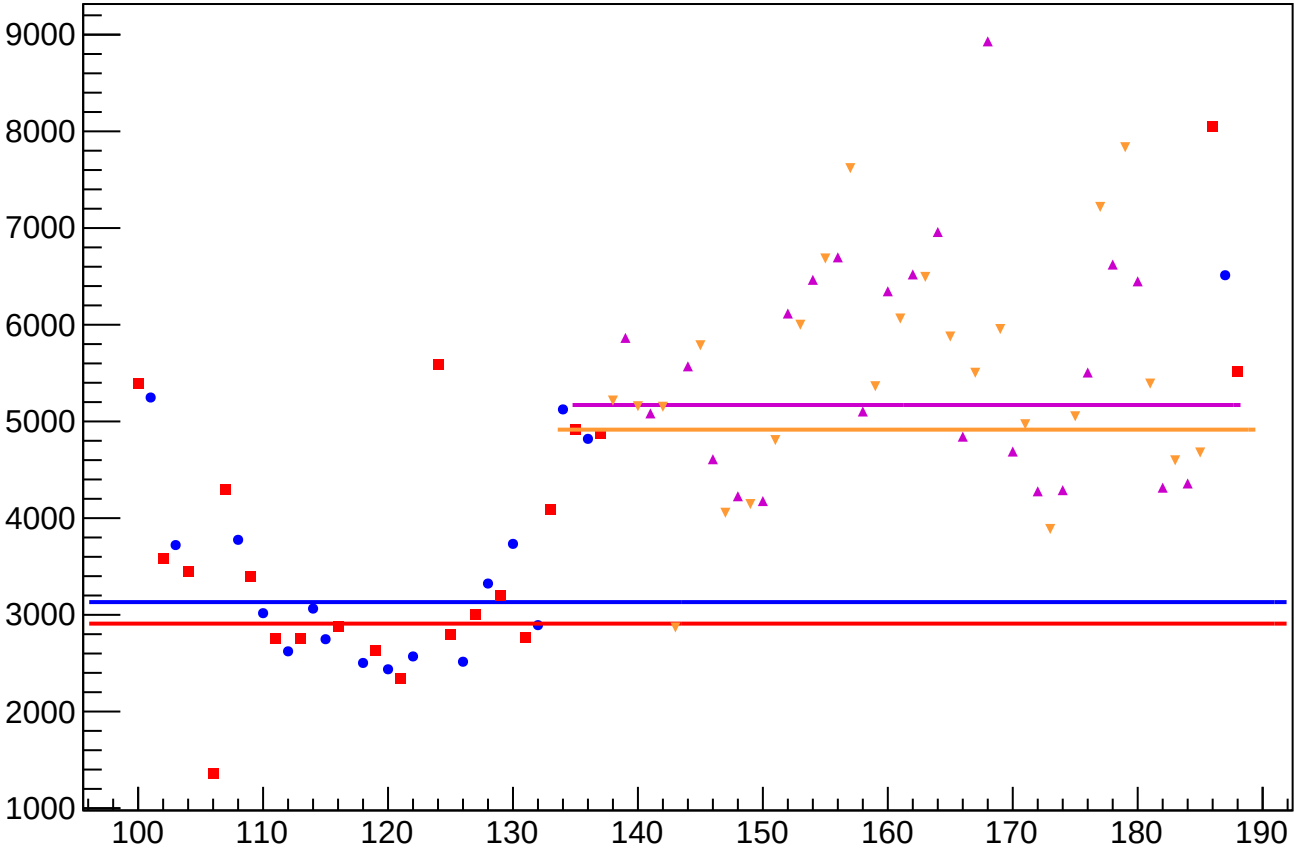
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -851.700+/-830.808 χ^2/NDF: 50.2/41

All: -380.583+/-575.766 χ^2/NDF: 92.9/85

- sign 54.777+/-798.657 χ^2/NDF: 42.1/43

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3131.720+/-0.845 χ^2/NDF: 985519.0/16

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 2909.177+/-0.741 χ^2/NDF: 2132619.1/20

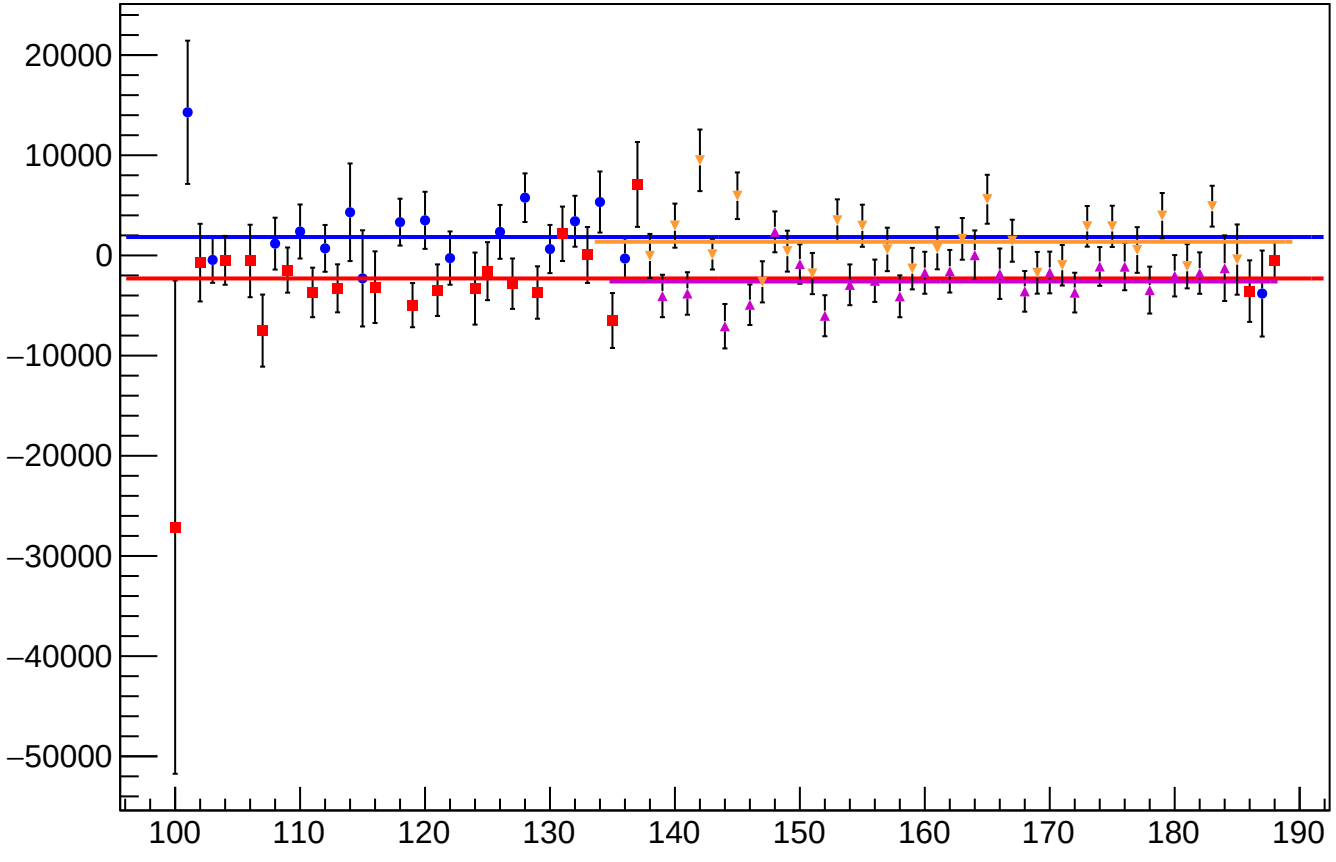
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4052.733+/-0.587 χ^2/NDF: 5453503.0/41

All: 3950.163+/-0.407 χ^2/NDF: 12893829.8/8

- sign 3855.378+/-0.565 χ^2/NDF: 7381673.1/43

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1836.668+/-665.923 χ^2/NDF: 14.2/16

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2297.525+/-610.637 χ^2/NDF: 18.5/20

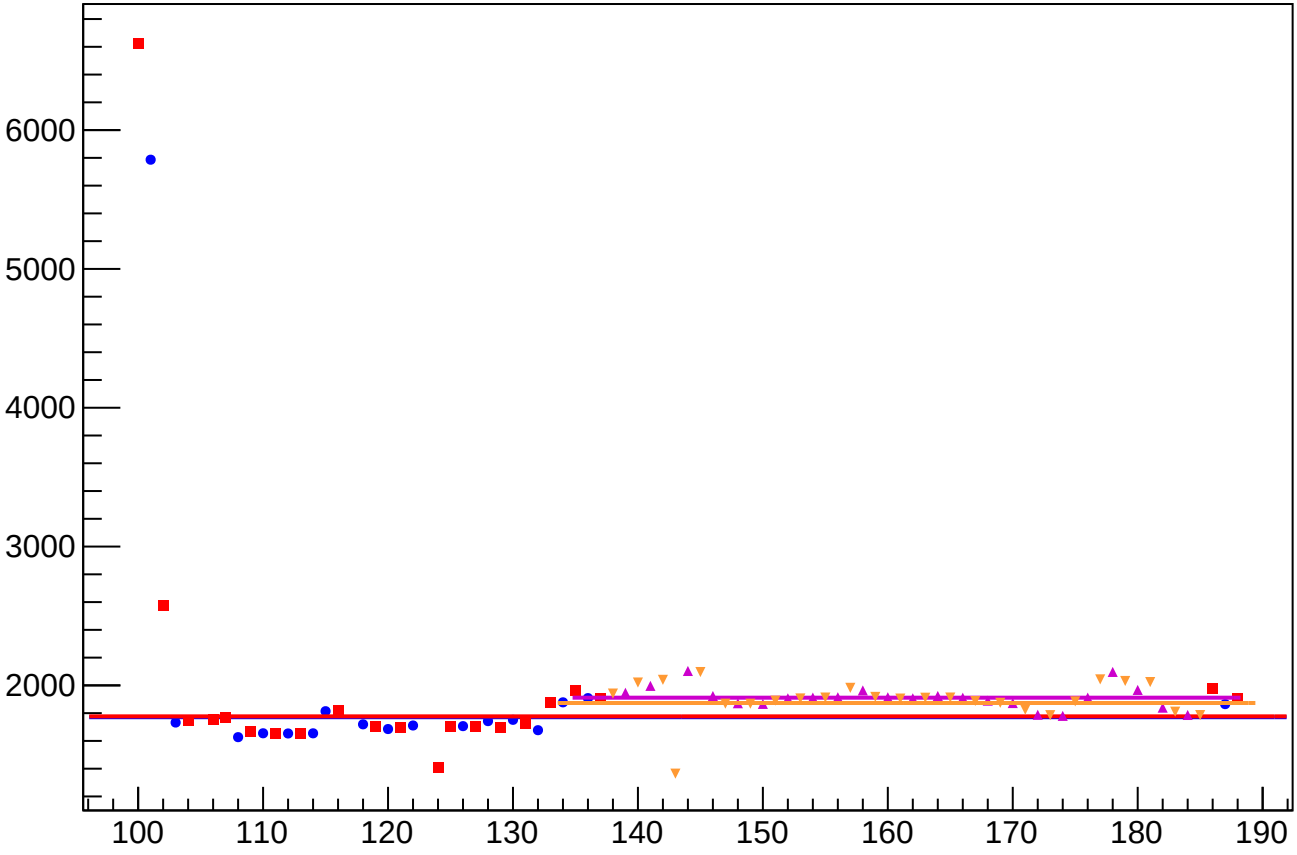
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1501.787+/-359.650 χ^2/NDF: 50.7/41

All: -492.291+/-254.629 χ^2/NDF: 151.1/85

- sign -2496.393+/-360.553 χ^2/NDF: 38.8/43

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1770.806+/-0.471 χ^2/NDF: 668356.9/16

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

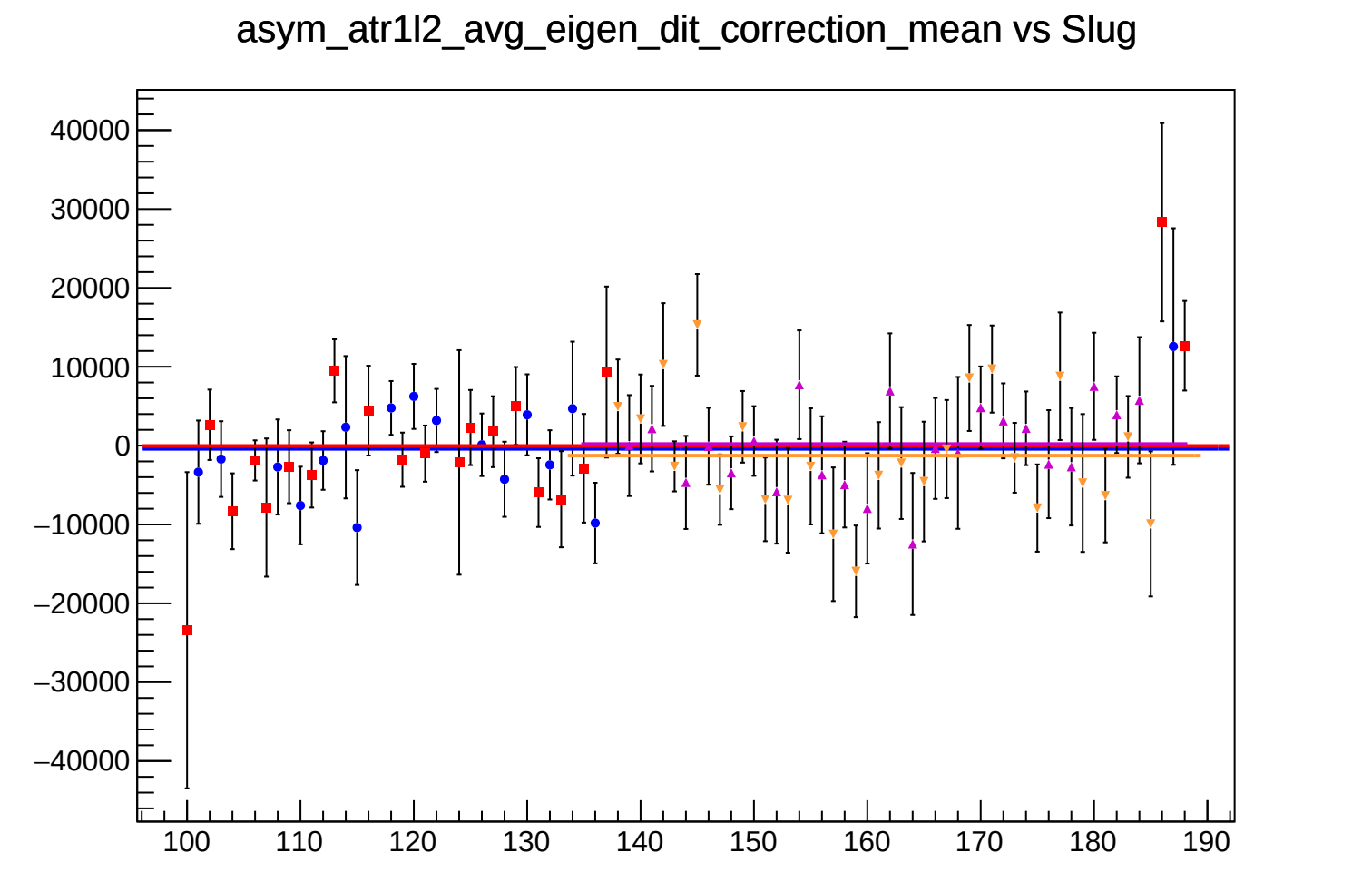
Right Out: 1776.962+/-0.431 χ^2/NDF: 238462.3/20

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1843.318+/-0.254 χ^2/NDF: 1011573.1/41

All: 1853.844+/-0.180 χ^2/NDF: 1375965.6/85

- sign 1864.406+/-0.255 χ^2/NDF: 360960.3/43



Right In: -405.278+/-1194.693 χ^2/NDF: 16.5/16

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -47.534+/-1047.344 χ^2/NDF: 29.3/20

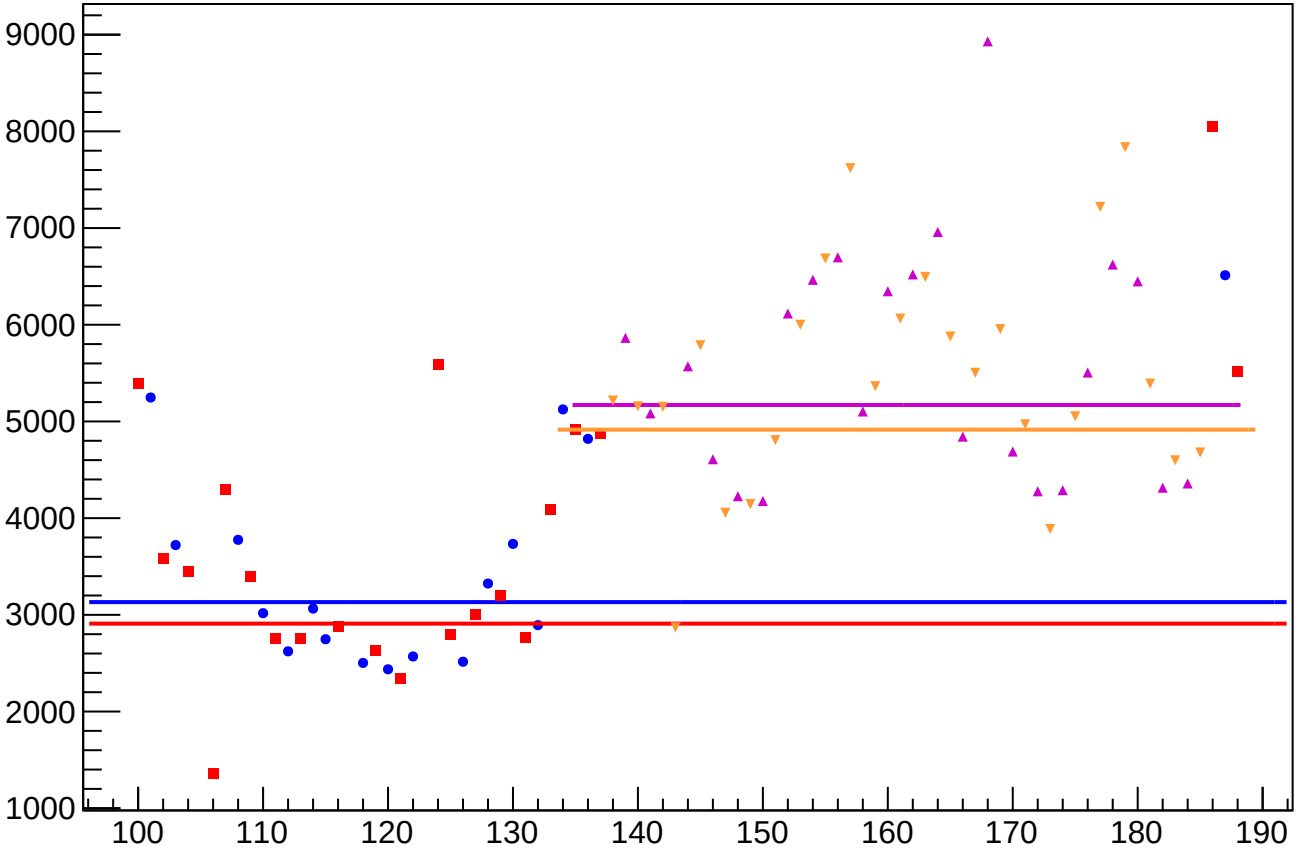
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -851.698+/-830.807 χ^2/NDF: 50.2/41

All: -380.584+/-575.766 χ^2/NDF: 92.9/85

- sign 54.773+/-798.656 χ^2/NDF: 42.1/43

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3131.709+/-0.845 χ^2/NDF: 985529.9/16

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 2909.164+/-0.741 χ^2/NDF: 2132645.0/20

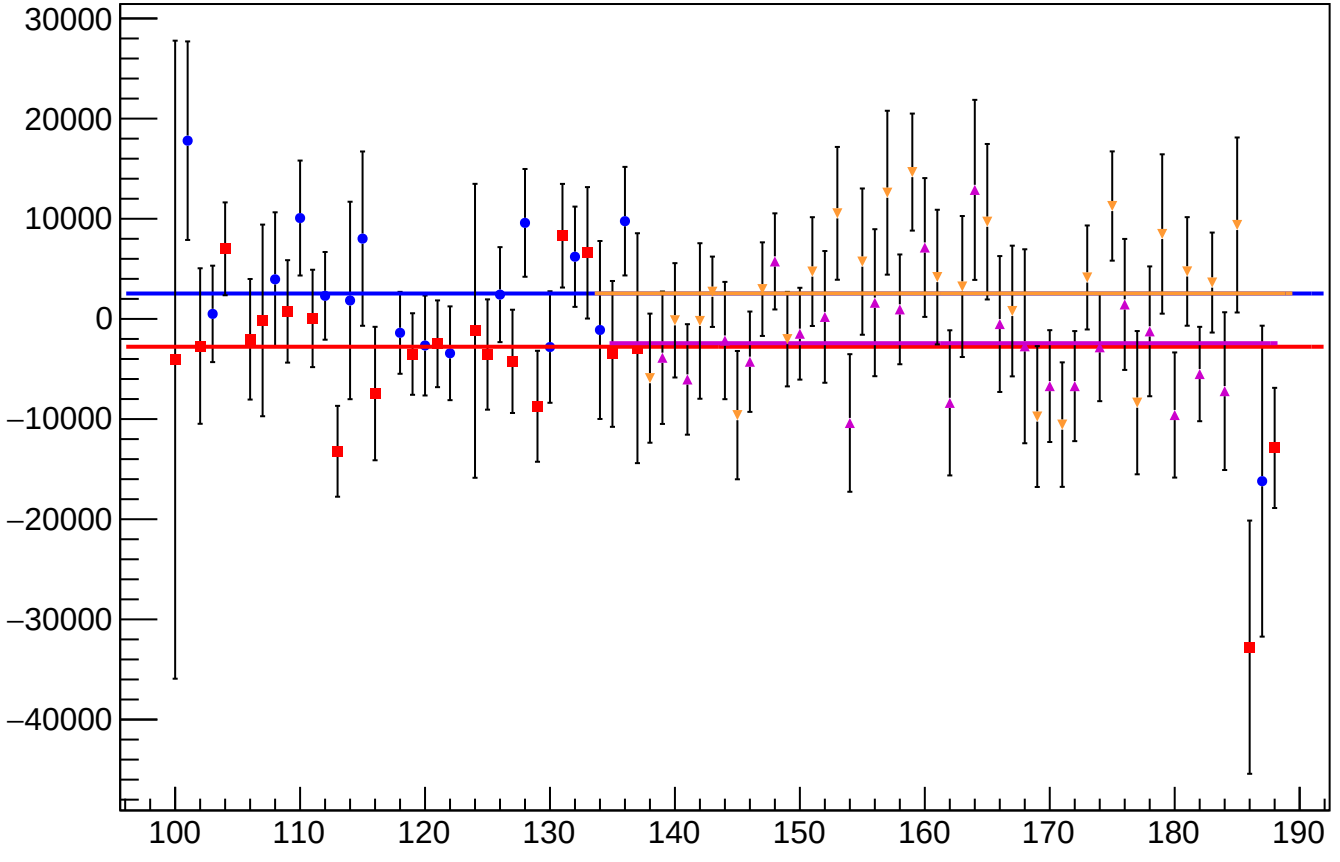
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4052.727+/-0.587 χ^2/NDF: 5453571.1/41

All: 3950.155+/-0.407 χ^2/NDF: 12894006.1/8

- sign 3855.368+/-0.565 χ^2/NDF: 7381778.7/43

asym_atr1l2_avg_mean vs Slug



Right In: 2537.360+/-1374.487 χ^2/NDF: 14.9/16

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -2777.954+/-1294.415 χ^2/NDF: 27.5/20

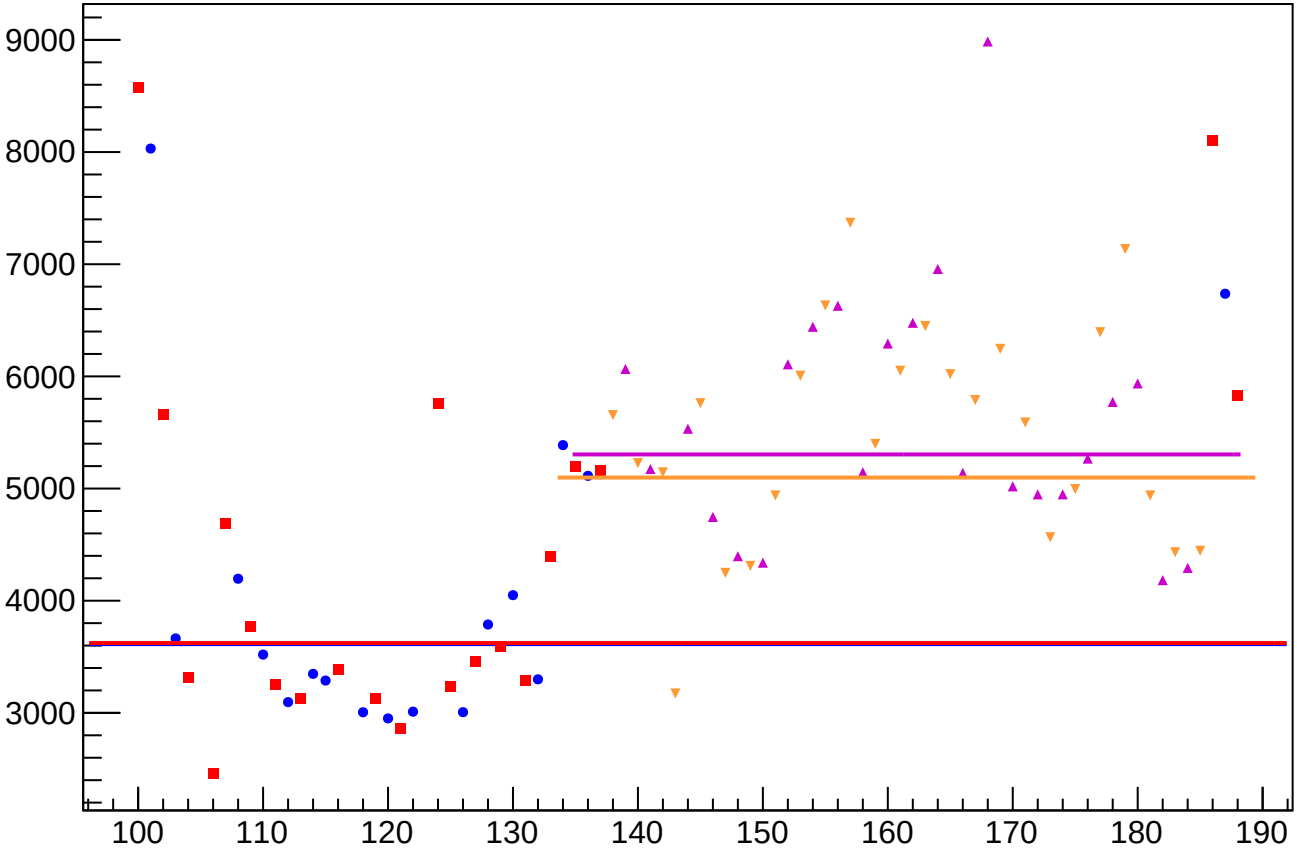
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2542.920+/-898.657 χ^2/NDF: 44.0/41

All: -14.697+/-636.888 χ^2/NDF: 102.9/85

- sign -2595.655+/-902.748 χ^2/NDF: 42.6/43

asym_atr1l2_avg_rms vs Slug



Right In: 3613.112+/-0.972 χ^2/NDF: 926834.5/16

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 3622.663+/-0.902 χ^2/NDF: 1216152.8/20

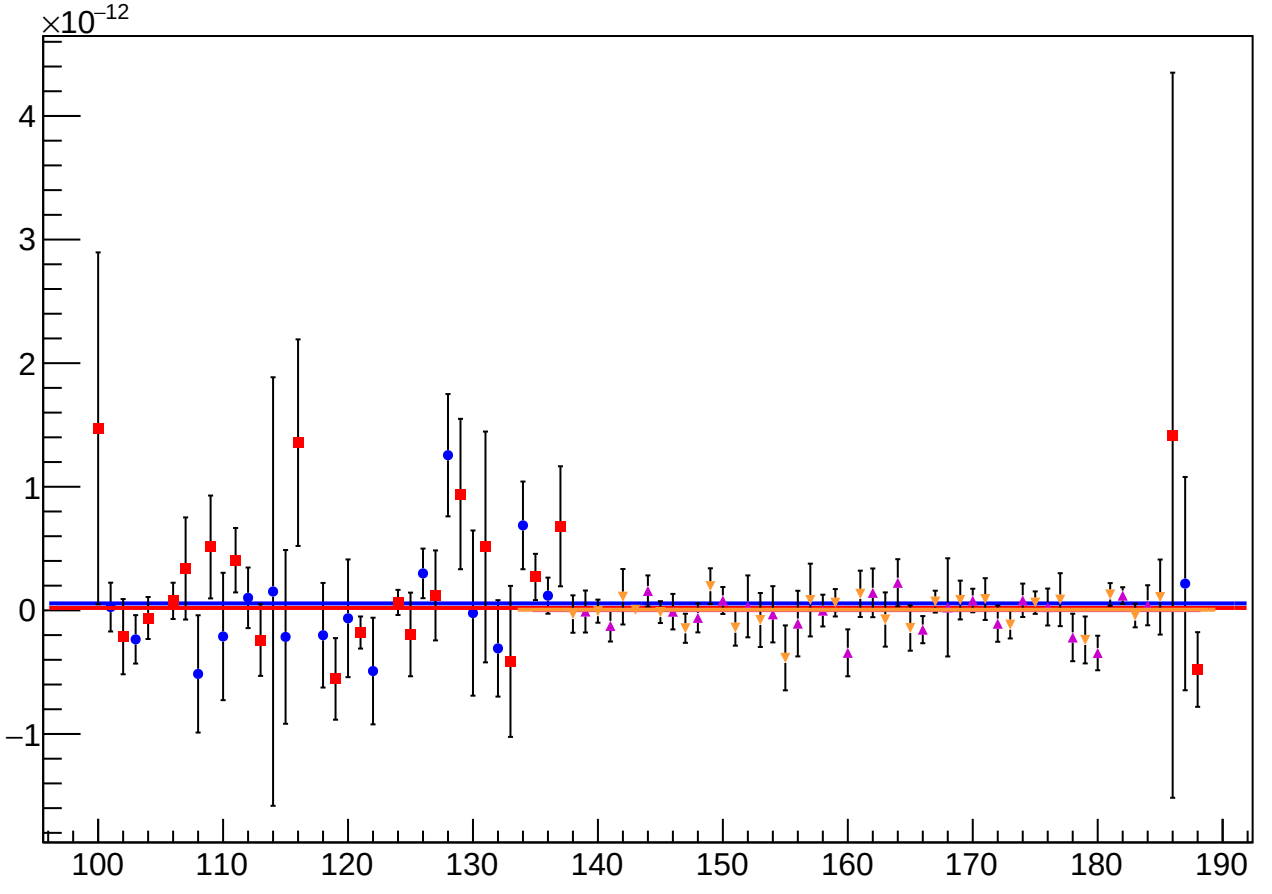
Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4463.249+/-0.635 χ^2/NDF: 3807605.8/41

All: 4468.719+/-0.449 χ^2/NDF: 7801060.5/85

- sign 4474.161+/-0.634 χ^2/NDF: 3993306.9/43

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/20

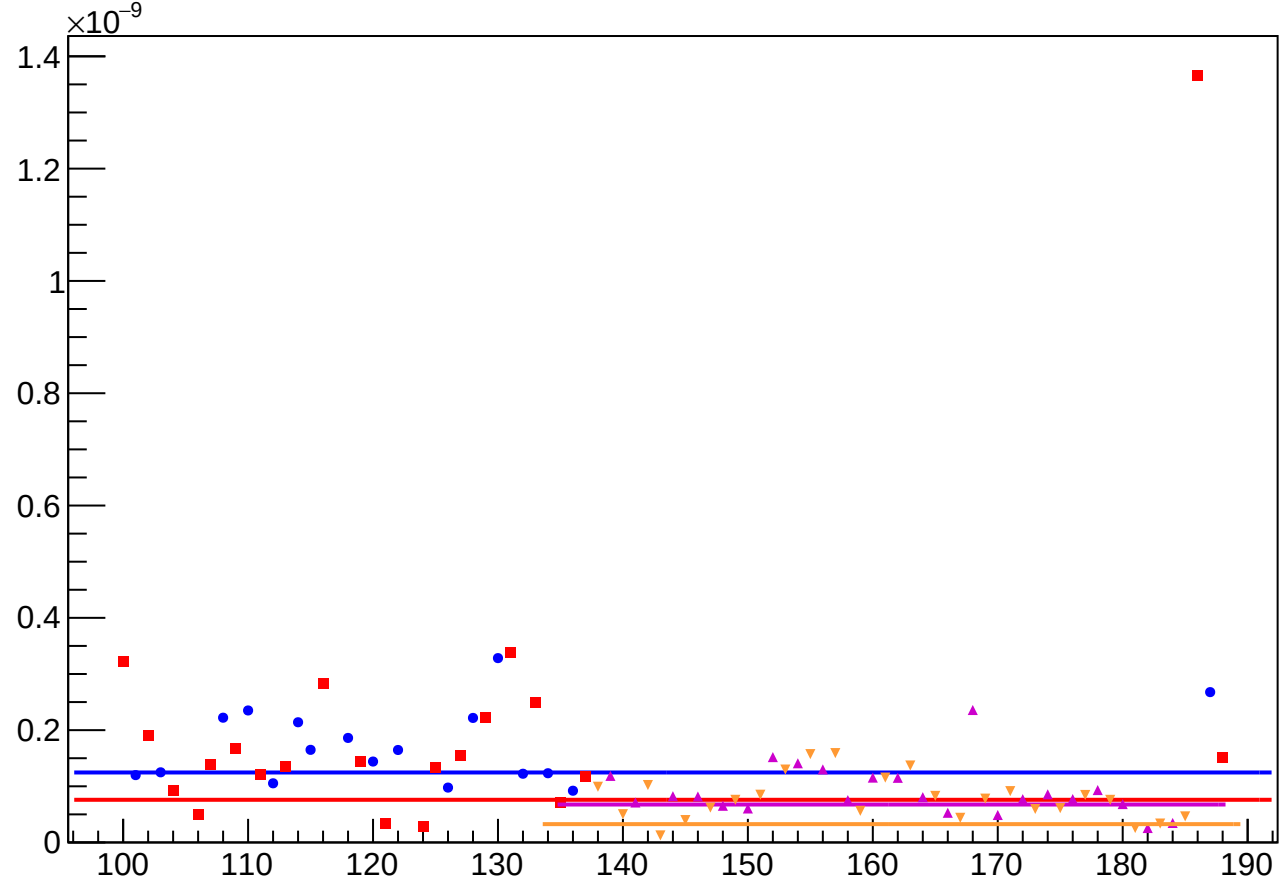
Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.5/41

All: 0.000+/-0.000 χ^2/NDF: 81.7/85

- sign 0.000+/-0.000 χ^2/NDF: 48.3/43

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 717561.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2706575.3/20

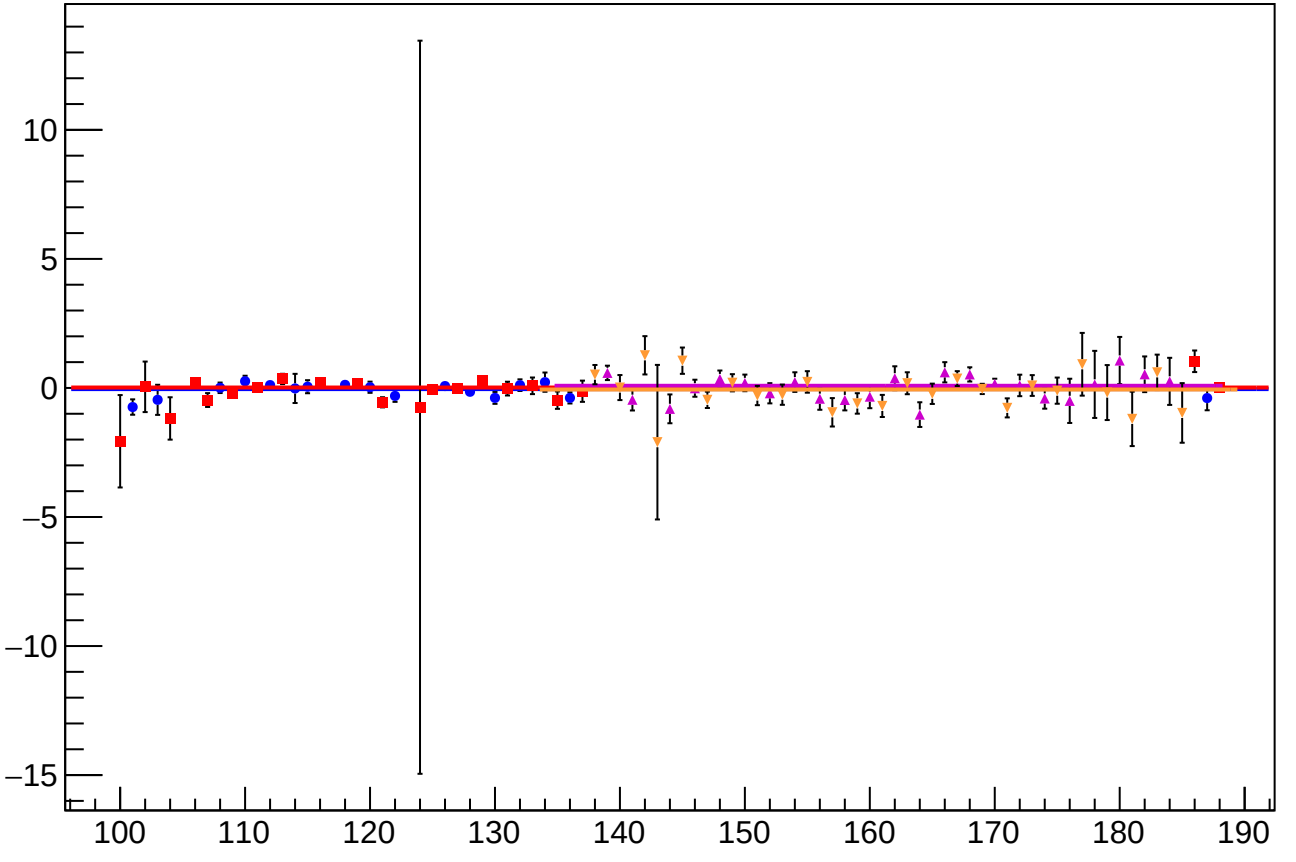
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9860499.6/41

All: 0.000+/-0.000 χ^2/NDF: 17309561.2/85

- sign 0.000+/-0.000 χ^2/NDF: 5195108.2/43

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.017+/-0.047 χ^2/NDF: 34.7/20

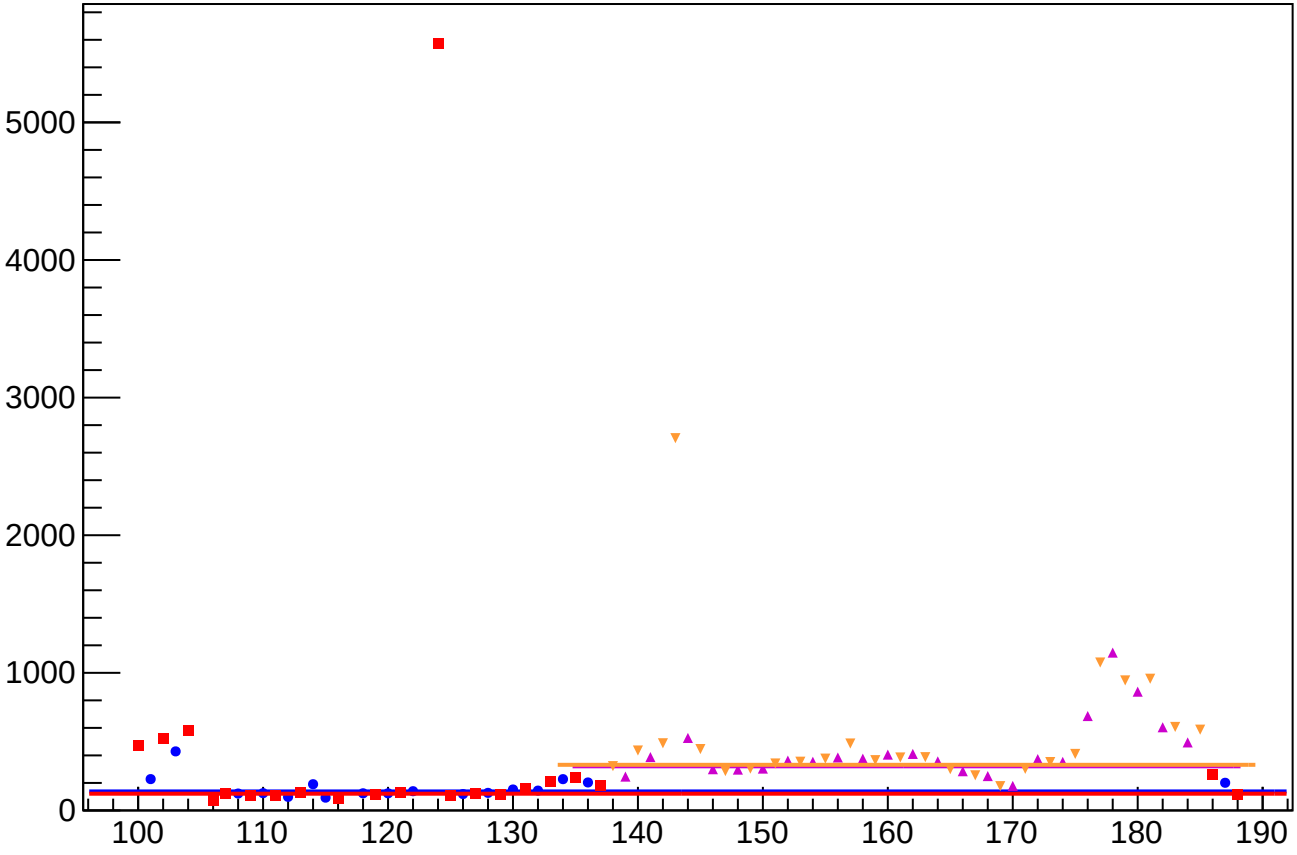
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.049+/-0.046 χ^2/NDF: 49.3/41

All: -0.003+/-0.031 χ^2/NDF: 113.3/85

- sign 0.034+/-0.041 χ^2/NDF: 62.2/43

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 138.274+/-0.039 χ^2/NDF: 1304053.2/16

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 121.699+/-0.033 χ^2/NDF: 2371363.6/20

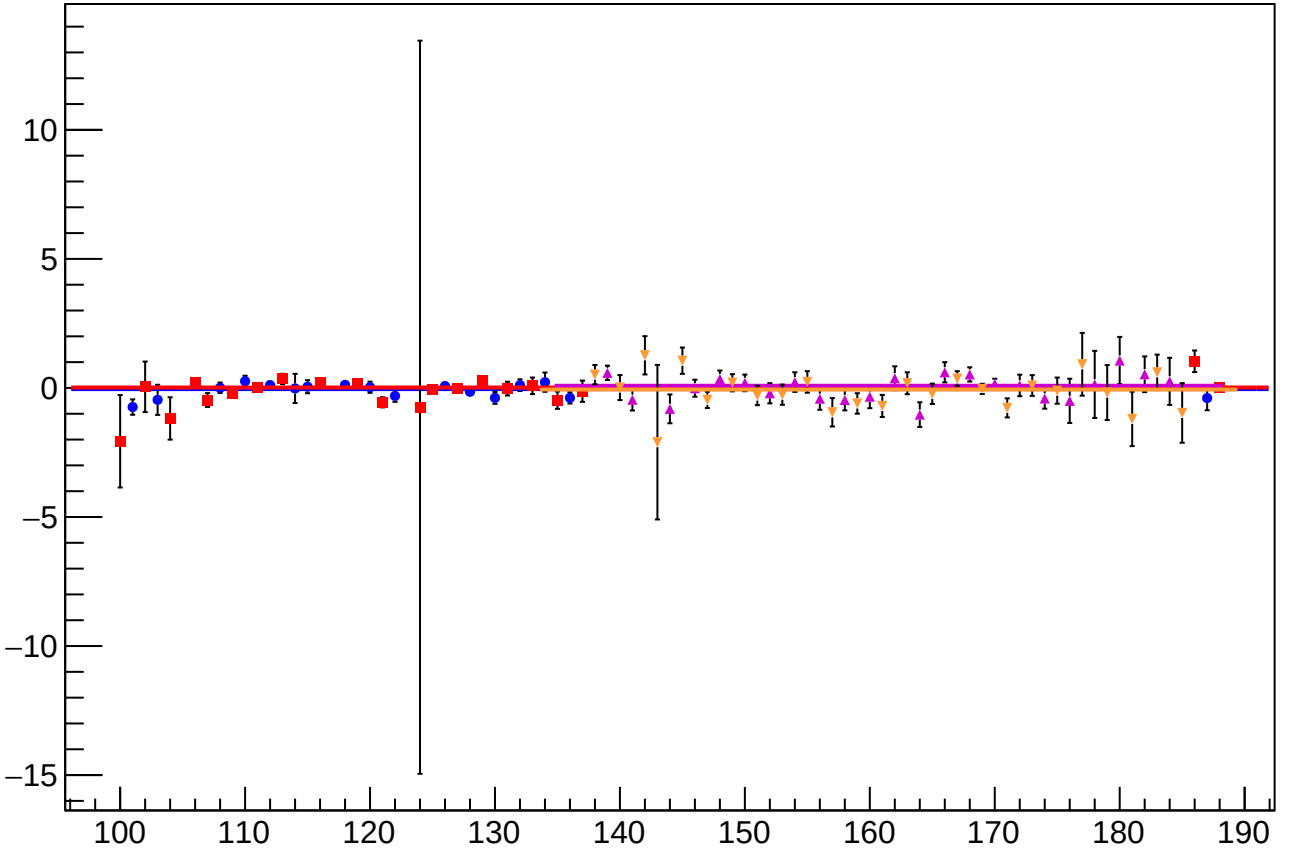
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 197.244+/-0.033 χ^2/NDF: 14563533.0/41

All: 182.941+/-0.022 χ^2/NDF: 30526067.9/85

- sign 171.835+/-0.029 χ^2/NDF: 15622255.1/43

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.017+/-0.047 χ^2/NDF: 34.7/20

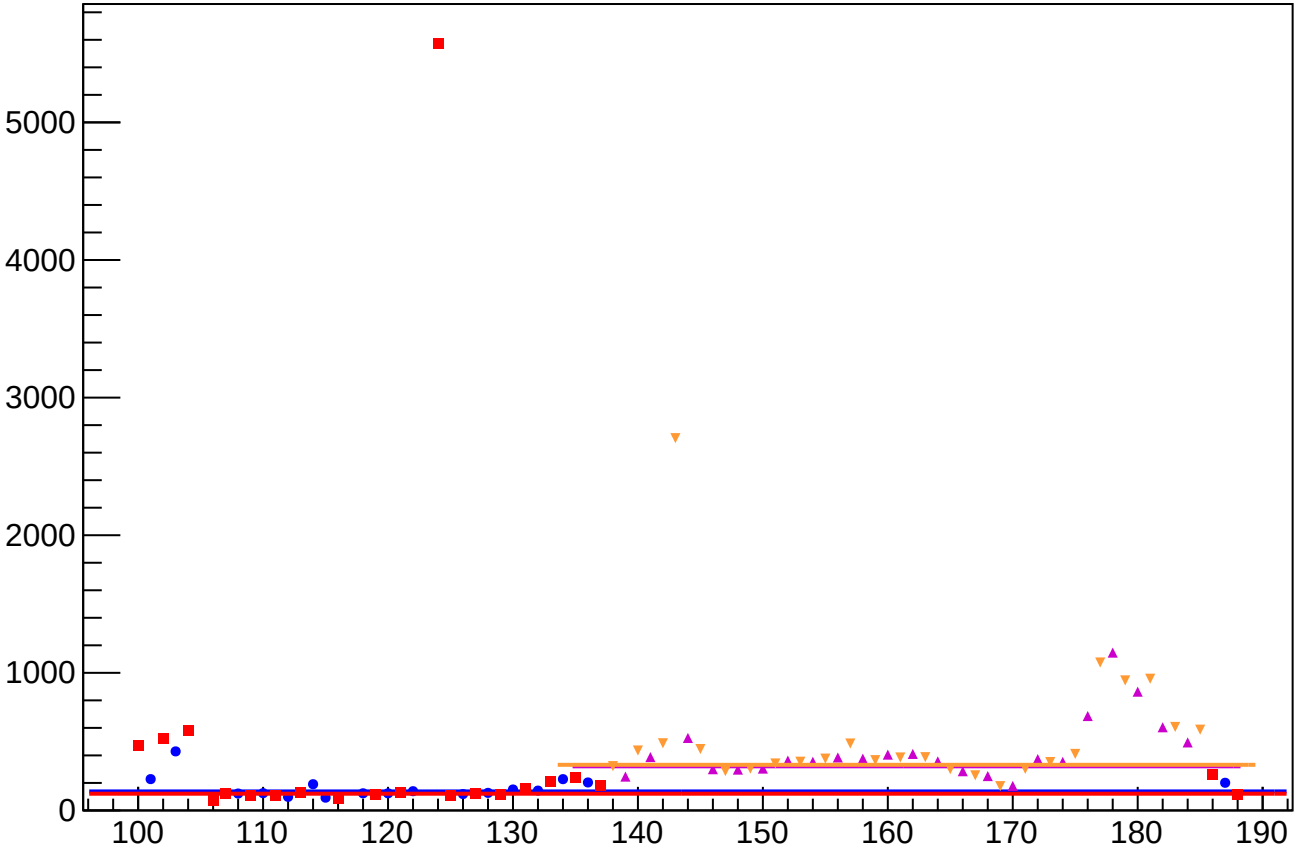
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.049+/-0.046 χ^2/NDF: 49.3/41

All: -0.003+/-0.031 χ^2/NDF: 113.3/85

- sign 0.034+/-0.041 χ^2/NDF: 62.2/43

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 138.274+/-0.039 χ^2/NDF: 1304053.2/16

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

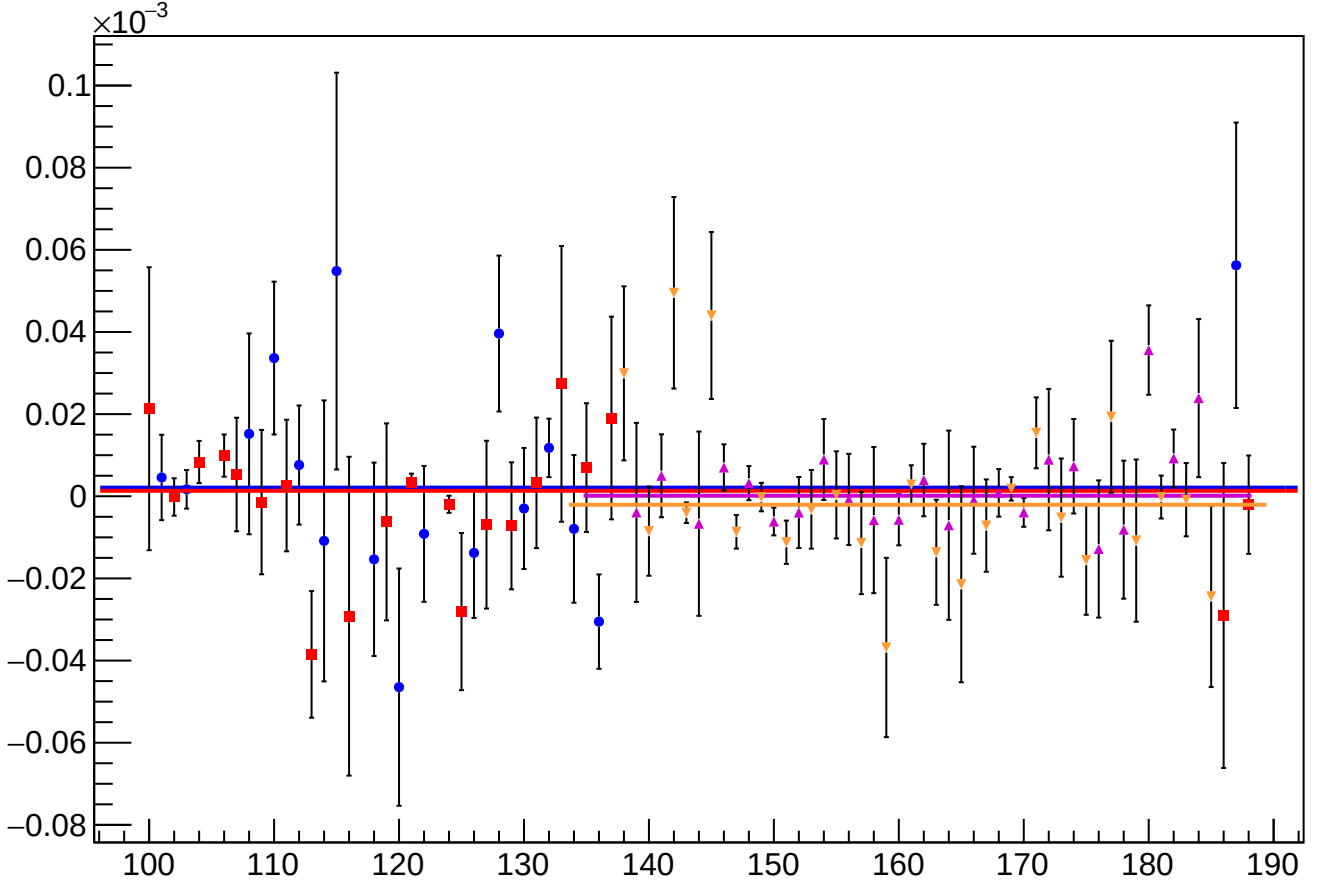
Right Out: 121.699+/-0.033 χ^2/NDF: 2371363.6/20

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 197.244+/-0.033 χ^2/NDF: 14563533.0/41

All: 182.941+/-0.022 χ^2/NDF: 30526067.9/85

- sign 171.835+/-0.029 χ^2/NDF: 15622255.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 26.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

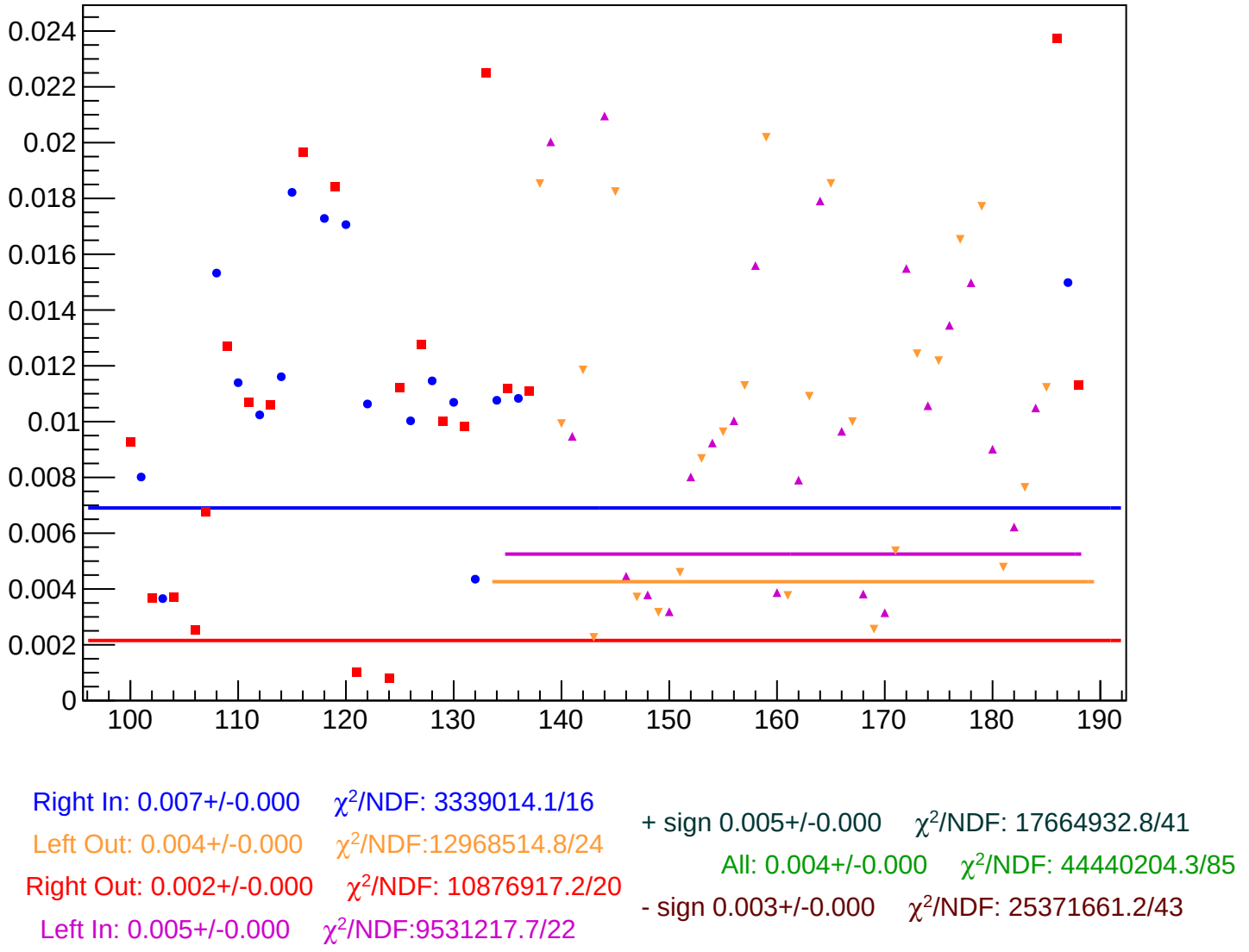
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/20

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

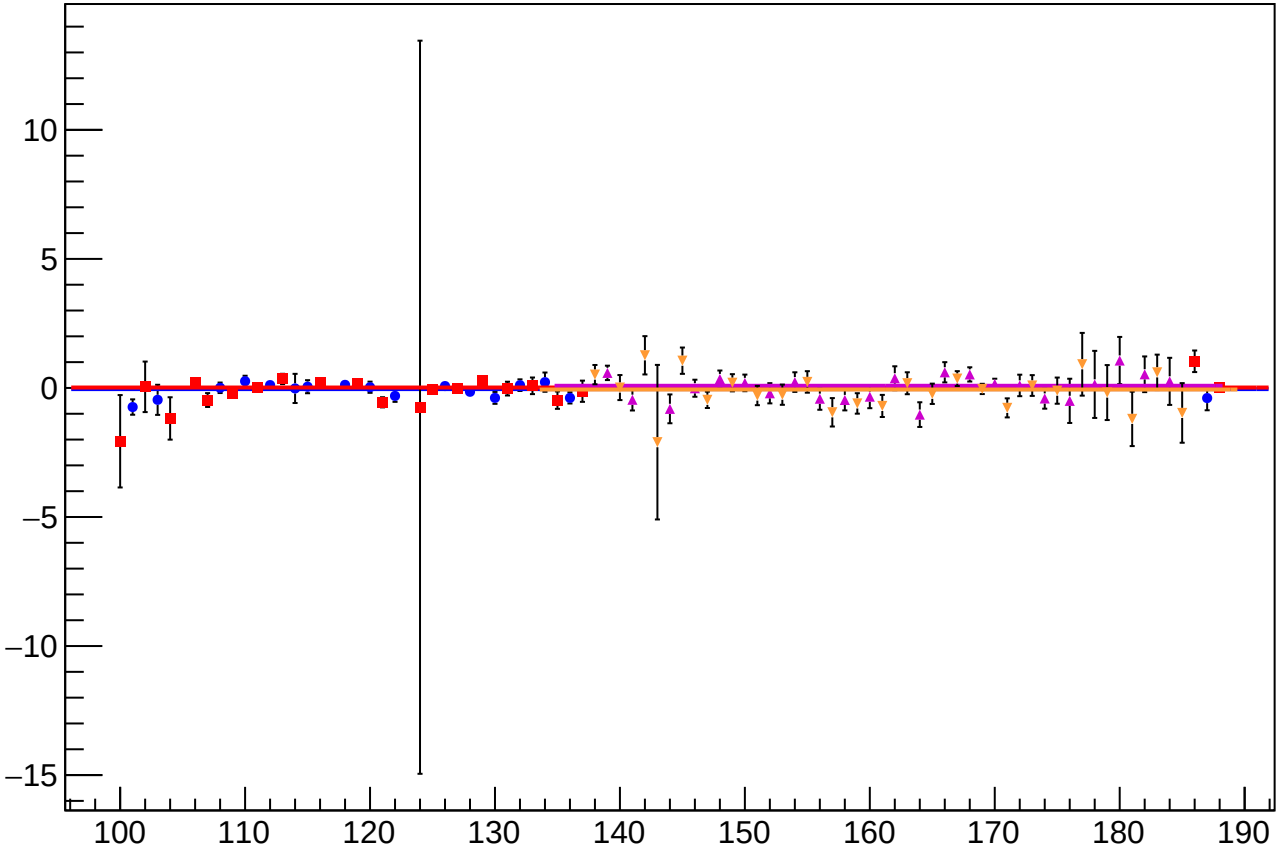
+ sign -0.000+/-0.000 χ^2/NDF: 62.7/41

All: -0.000+/-0.000 χ^2/NDF: 111.3/85

- sign 0.000+/-0.000 χ^2/NDF: 46.3/43


asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.007+/-0.000 χ²/NDF: 3339014.1/16
Left Out: 0.004+/-0.000 χ²/NDF:12968514.8/24
Right Out: 0.002+/-0.000 χ²/NDF: 10876917.2/20
Left In: 0.005+/-0.000 χ²/NDF:9531217.7/22
+ sign 0.005+/-0.000 χ²/NDF: 17664932.8/41
All: 0.004+/-0.000 χ²/NDF: 44440204.3/85
- sign 0.003+/-0.000 χ²/NDF: 25371661.2/43

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.017+/-0.047 χ^2/NDF: 34.7/20

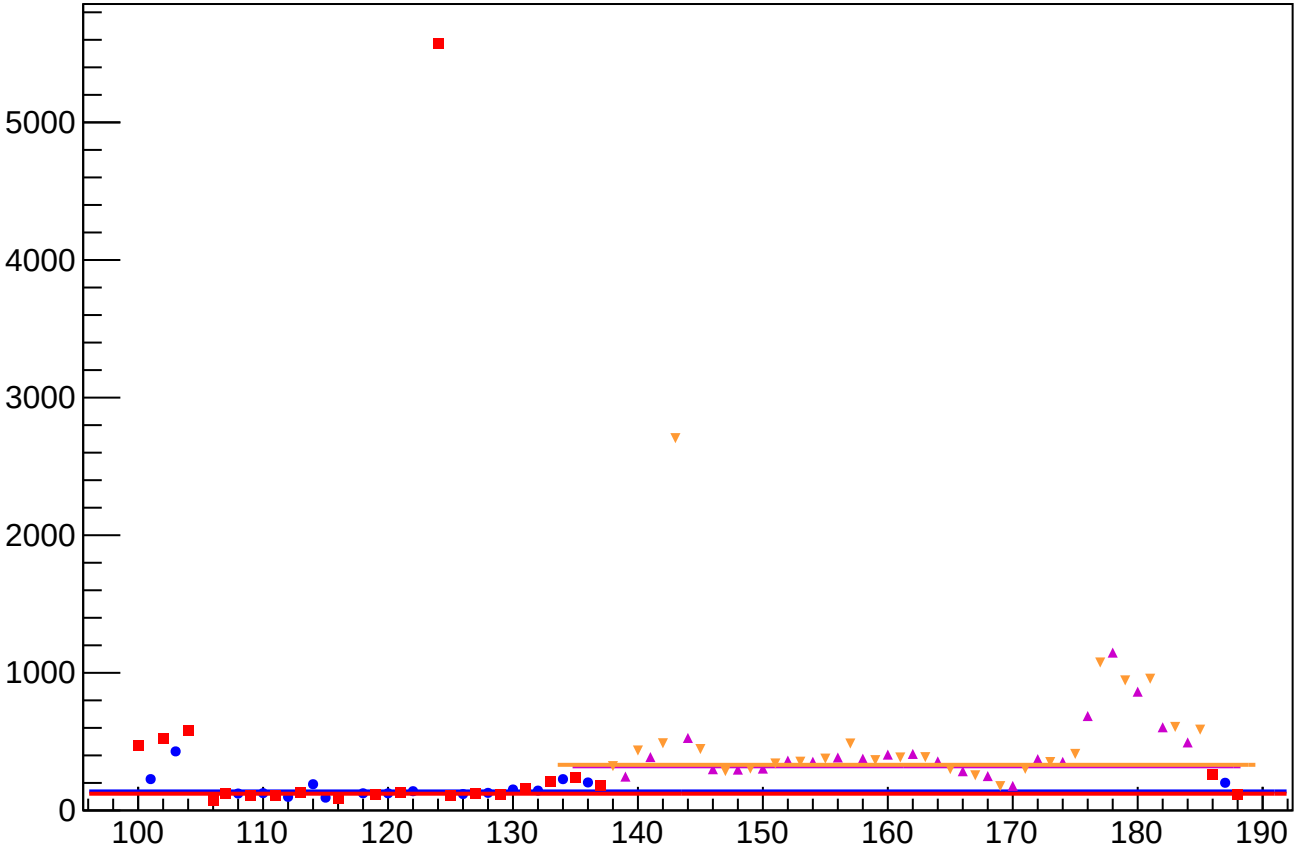
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.049+/-0.046 χ^2/NDF: 49.3/41

All: -0.003+/-0.031 χ^2/NDF: 113.3/85

- sign 0.034+/-0.041 χ^2/NDF: 62.2/43

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 138.275+/-0.039 χ^2/NDF: 1304001.1/16

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

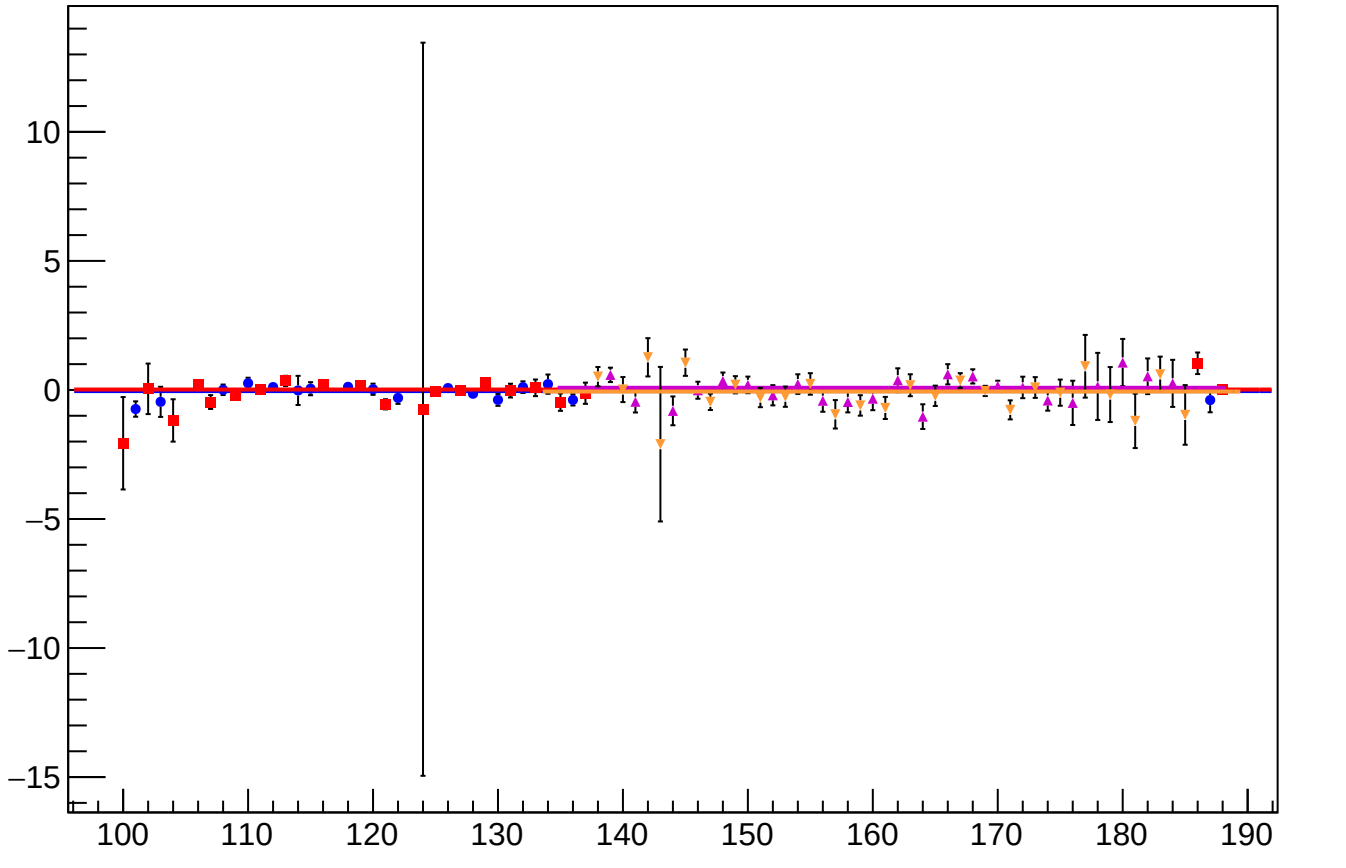
Right Out: 121.698+/-0.033 χ^2/NDF: 2371279.6/20

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 197.245+/-0.033 χ^2/NDF: 14563518.3/41

All: 182.941+/-0.022 χ^2/NDF: 30526220.2/85

- sign 171.835+/-0.029 χ^2/NDF: 15622373.0/43



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

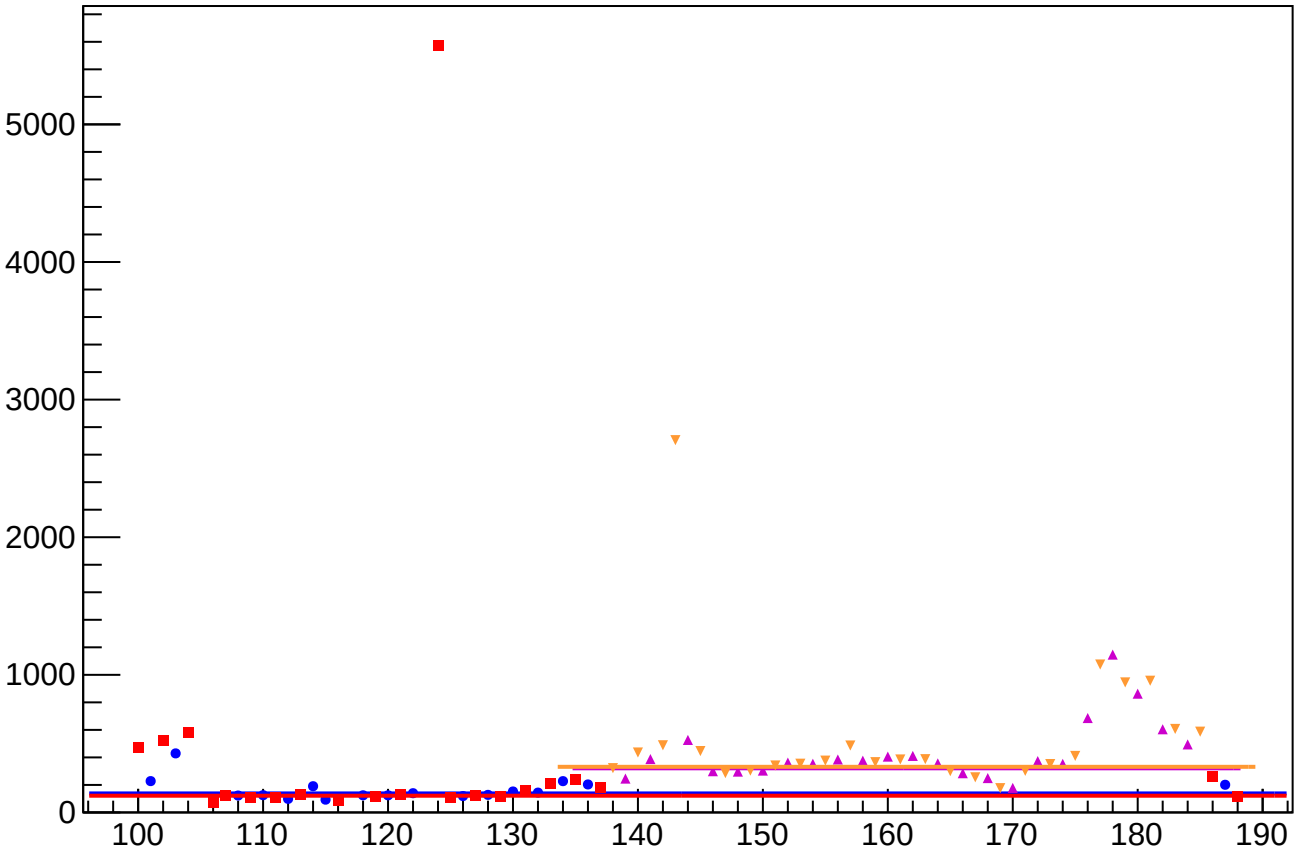
Right Out: 0.017+/-0.047 χ^2/NDF: 34.7/20

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.049+/-0.046 χ^2/NDF: 49.3/41

All: -0.003+/-0.031 χ^2/NDF: 113.3/85

\- sign 0.034+/-0.041 χ^2/NDF: 62.2/43



Right In: 138.275+/-0.039 χ^2/NDF: 1304001.1/16

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

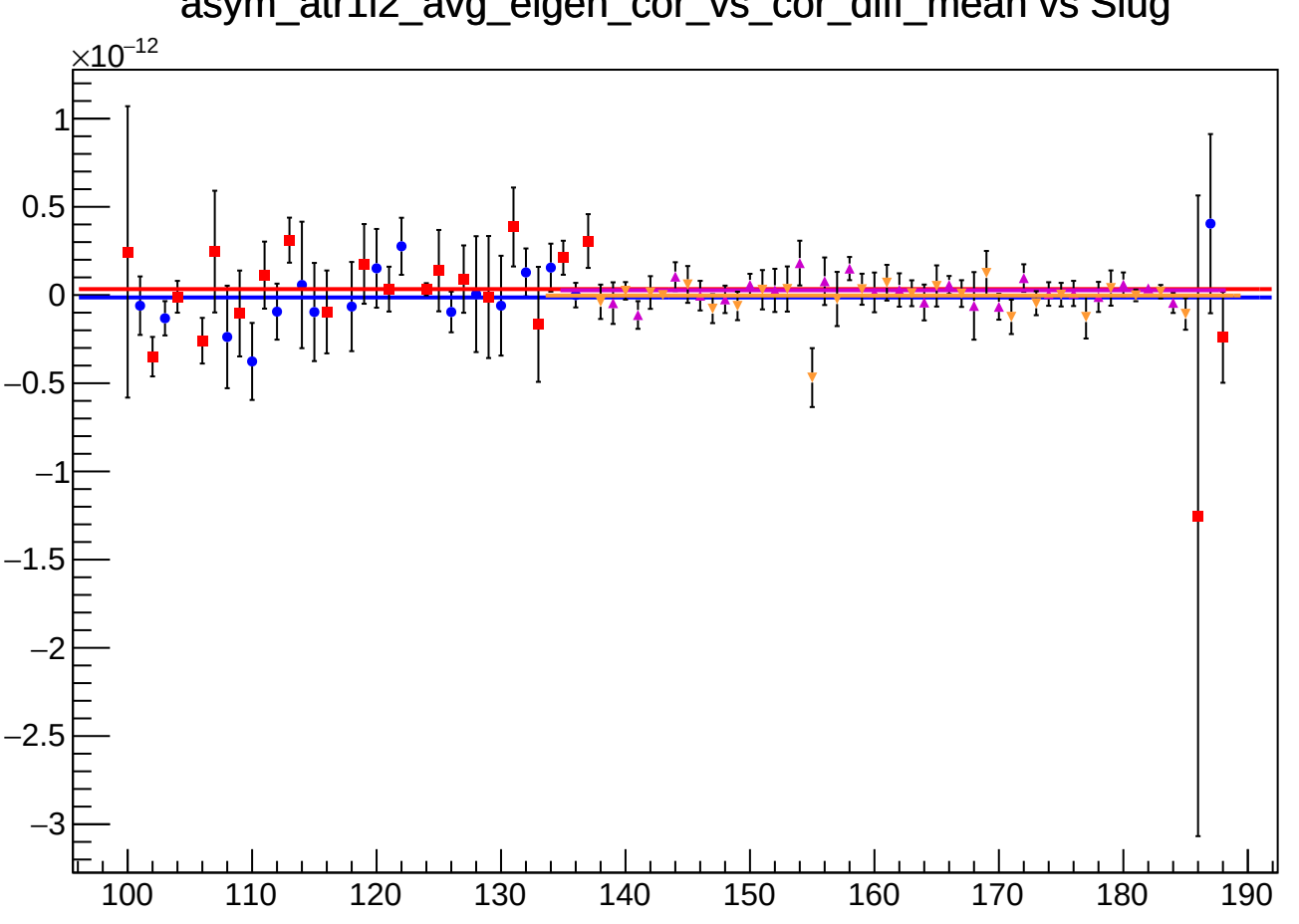
Right Out: 121.698+/-0.033 χ^2/NDF: 2371279.6/20

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 197.245+/-0.033 χ^2/NDF: 14563518.3/41

All: 182.941+/-0.022 χ^2/NDF: 30526220.2/85

- sign 171.835+/-0.029 χ^2/NDF: 15622373.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/20

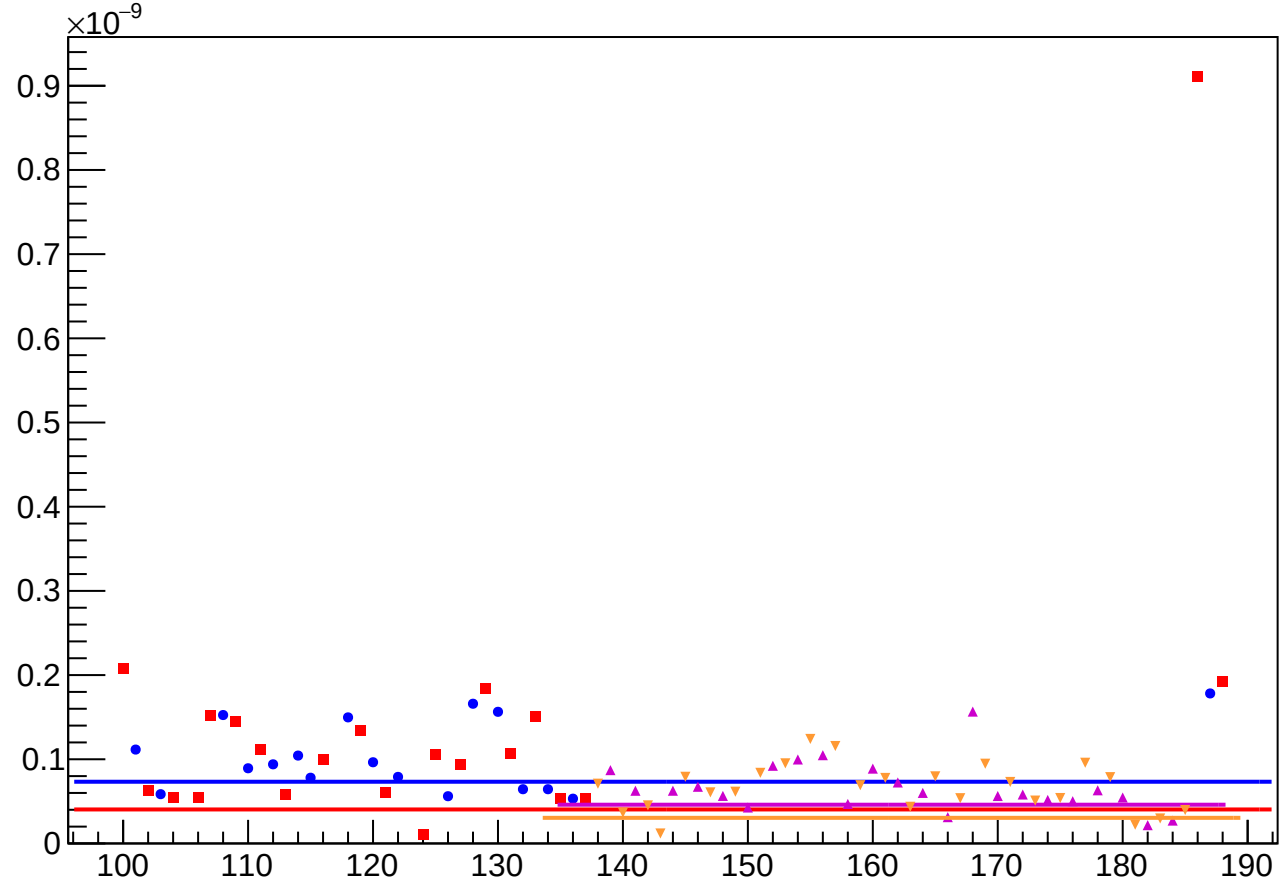
Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/41

All: 0.000+/-0.000 χ^2/NDF: 84.9/85

- sign 0.000+/-0.000 χ^2/NDF: 50.9/43

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1213791.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5433499.0/20

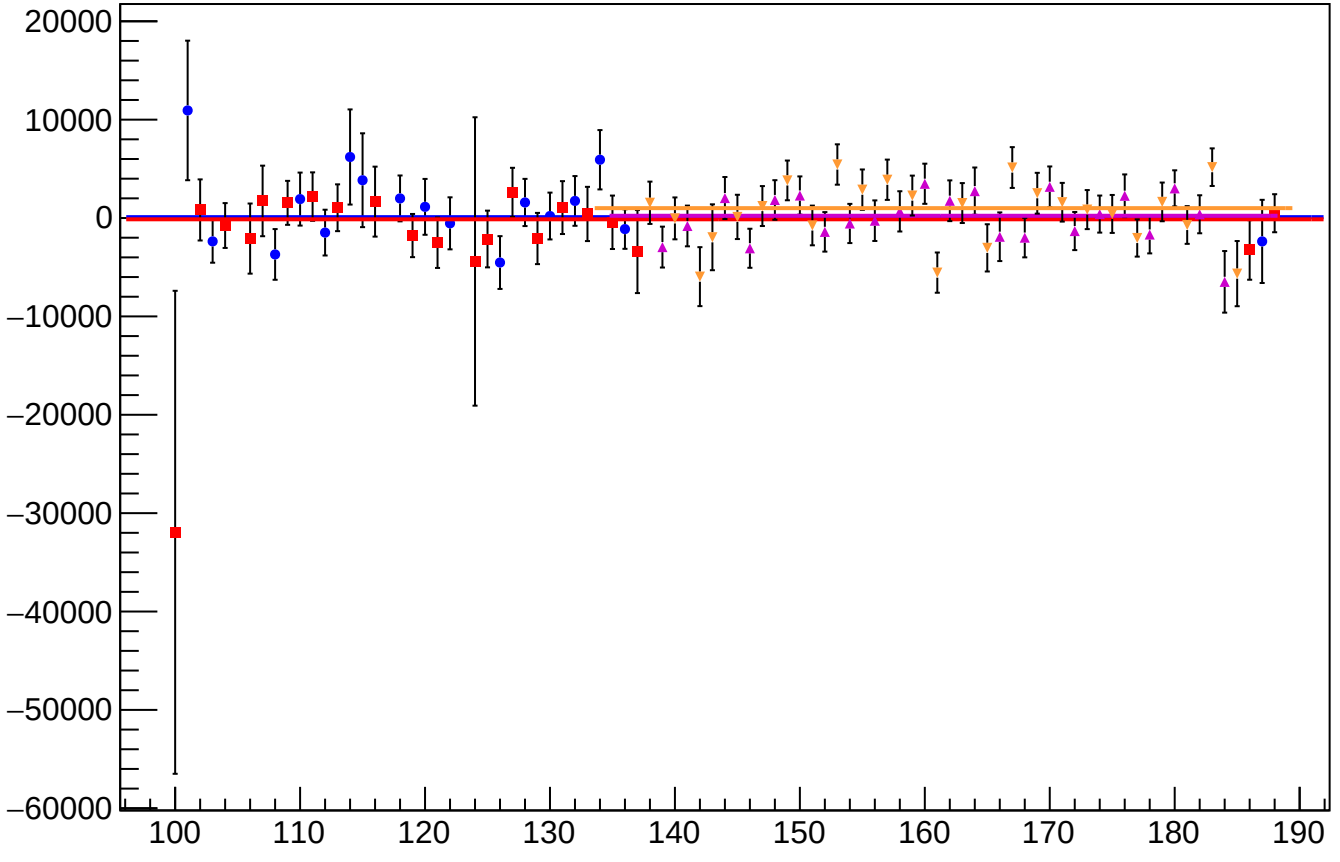
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14191442.4/41

All: 0.000+/-0.000 χ^2/NDF: 25493013.1/85

- sign 0.000+/-0.000 χ^2/NDF: 10407961.9/43

reg_asym_atr1l2_dd_mean vs Slug



Right In: 89.308+/-658.876 χ^2/NDF: 18.0/16

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -129.182+/-607.951 χ^2/NDF: 10.1/20

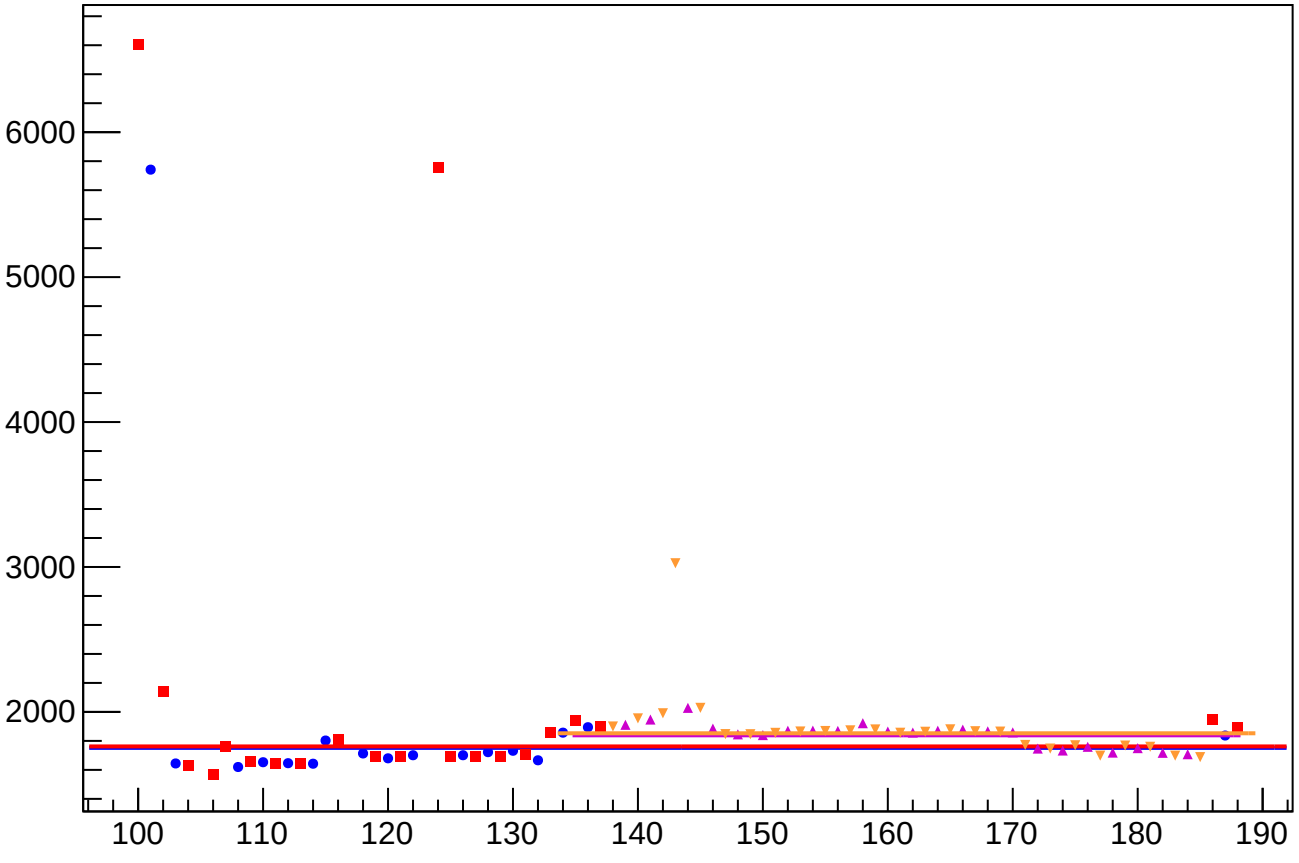
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 737.520+/-355.708 χ^2/NDF: 66.7/41

All: 419.433+/-249.806 χ^2/NDF: 105.1/85

- sign 109.890+/-350.898 χ^2/NDF: 36.7/43

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1751.984+/-0.466 χ^2/NDF: 670406.7/16

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1761.796+/-0.427 χ^2/NDF: 323648.1/20

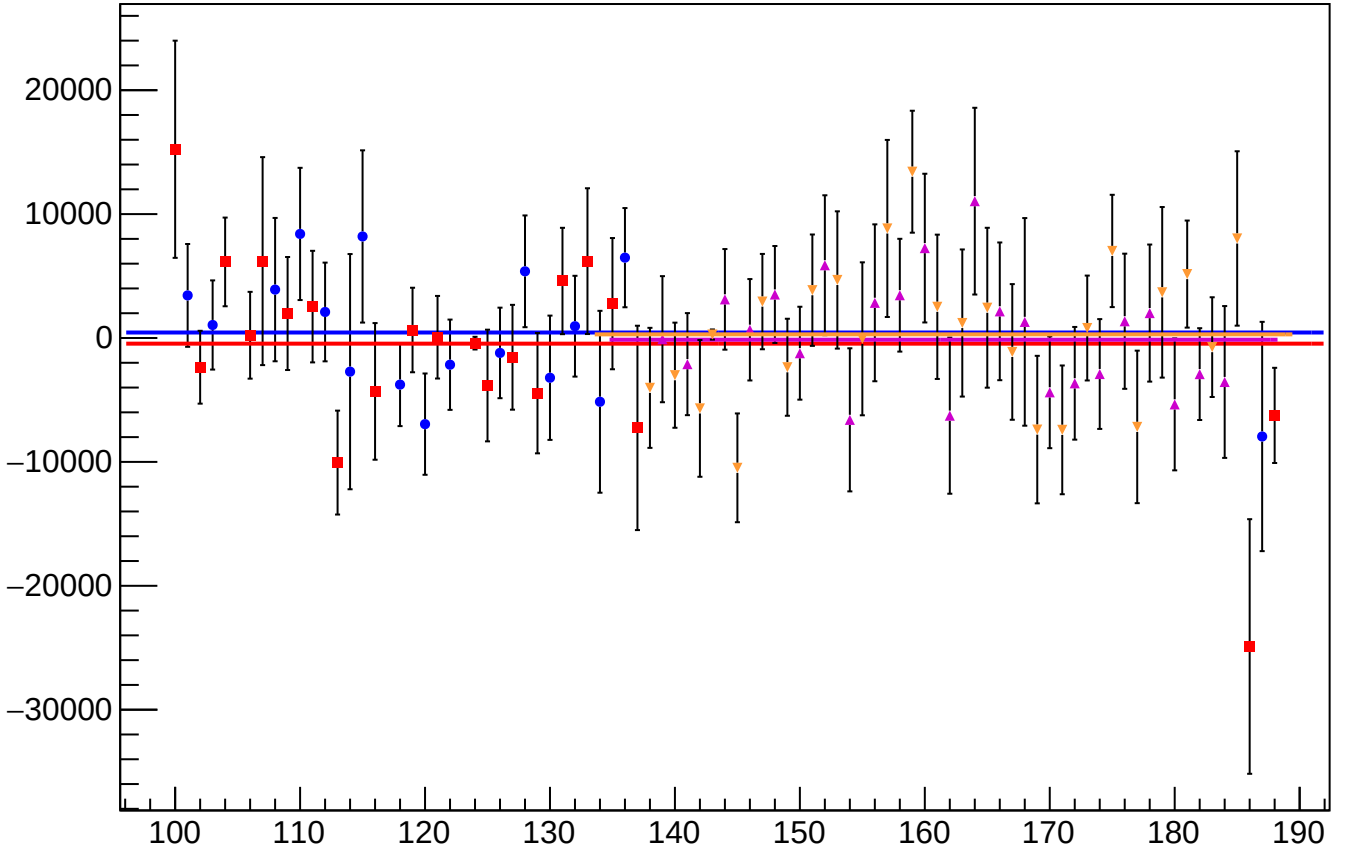
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1823.227+/-0.252 χ^2/NDF: 1024448.7/41

All: 1817.906+/-0.176 χ^2/NDF: 1438882.6/85

- sign 1812.749+/-0.248 χ^2/NDF: 413552.4/43

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 443.483+/-1093.447 χ^2/NDF: 15.6/16

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -456.431+/-454.283 χ^2/NDF: 27.2/20

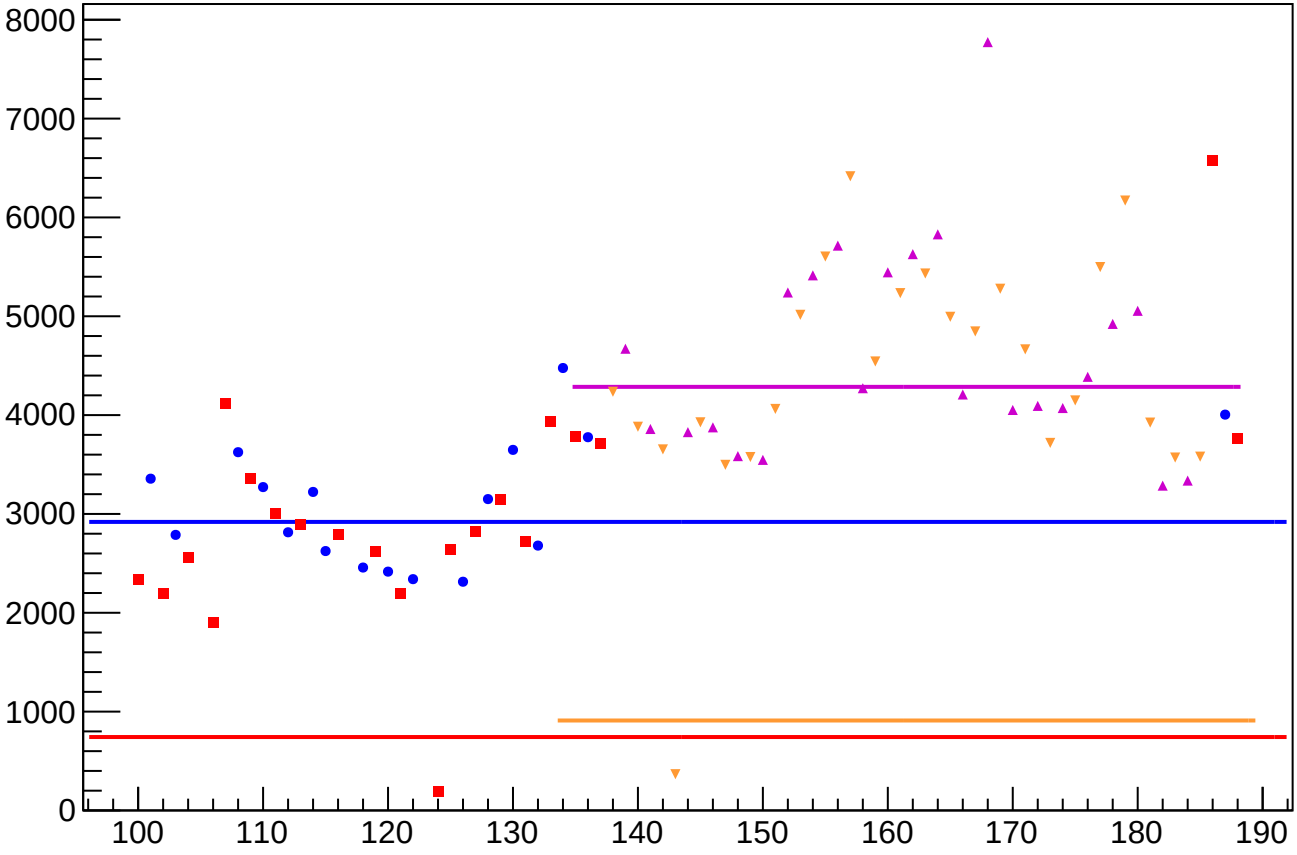
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 310.465+/-358.876 χ^2/NDF: 45.7/41

All: 4.917+/-271.506 χ^2/NDF: 88.6/85

- sign -404.033+/-415.183 χ^2/NDF: 41.2/43

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2919.431+/-0.773 χ^2/NDF: 507685.9/16

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 742.831+/-0.321 χ^2/NDF: 12057508.6/20

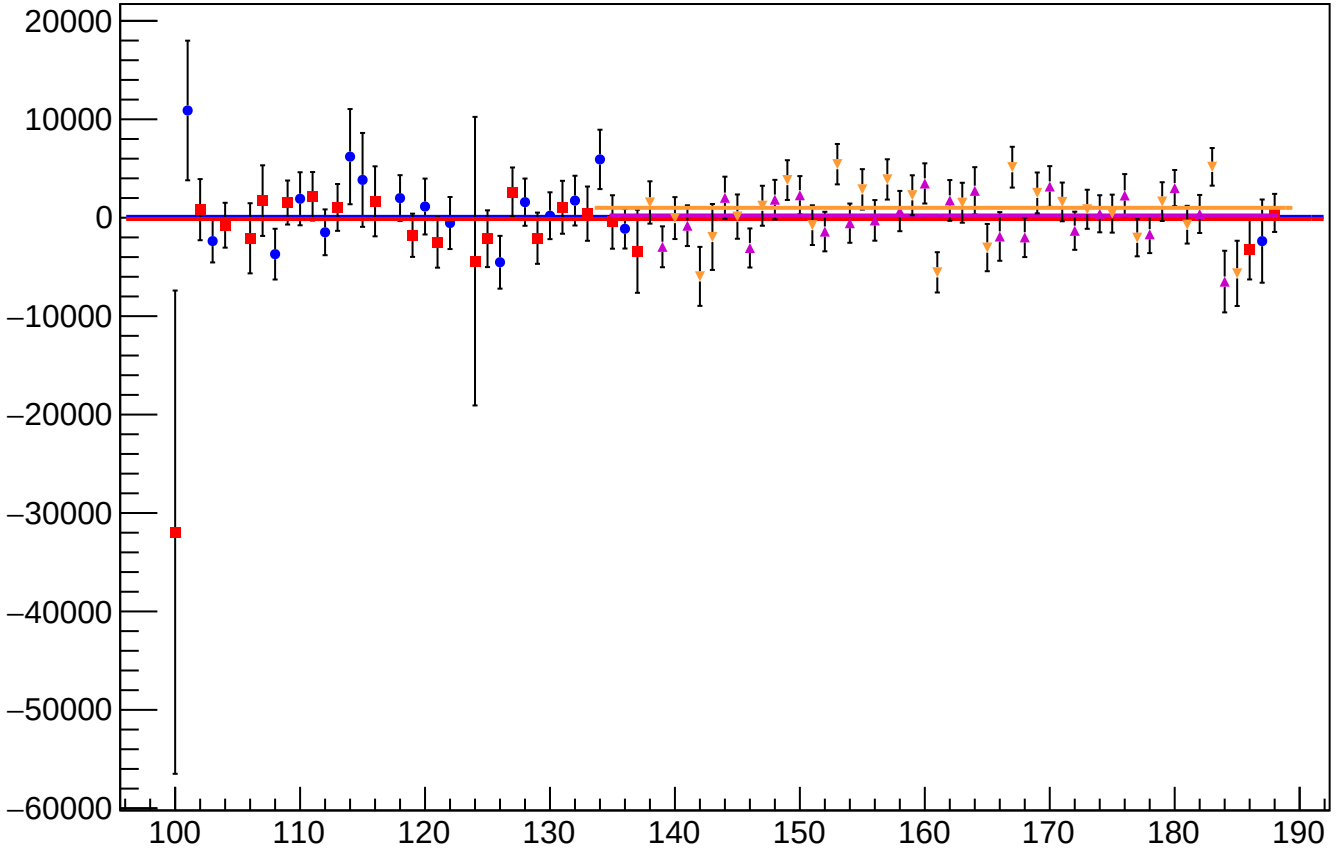
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1126.575+/-0.254 χ^2/NDF: 33307733.9/41

All: 1212.061+/-0.192 χ^2/NDF: 66998549.7/8

- sign 1326.476+/-0.294 χ^2/NDF: 33425449.6/43

cor_asym_atr1l2_dd_mean vs Slug



Right In: 88.864+/-658.876 χ^2/NDF: 18.0/16

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -129.184+/-607.951 χ^2/NDF: 10.1/20

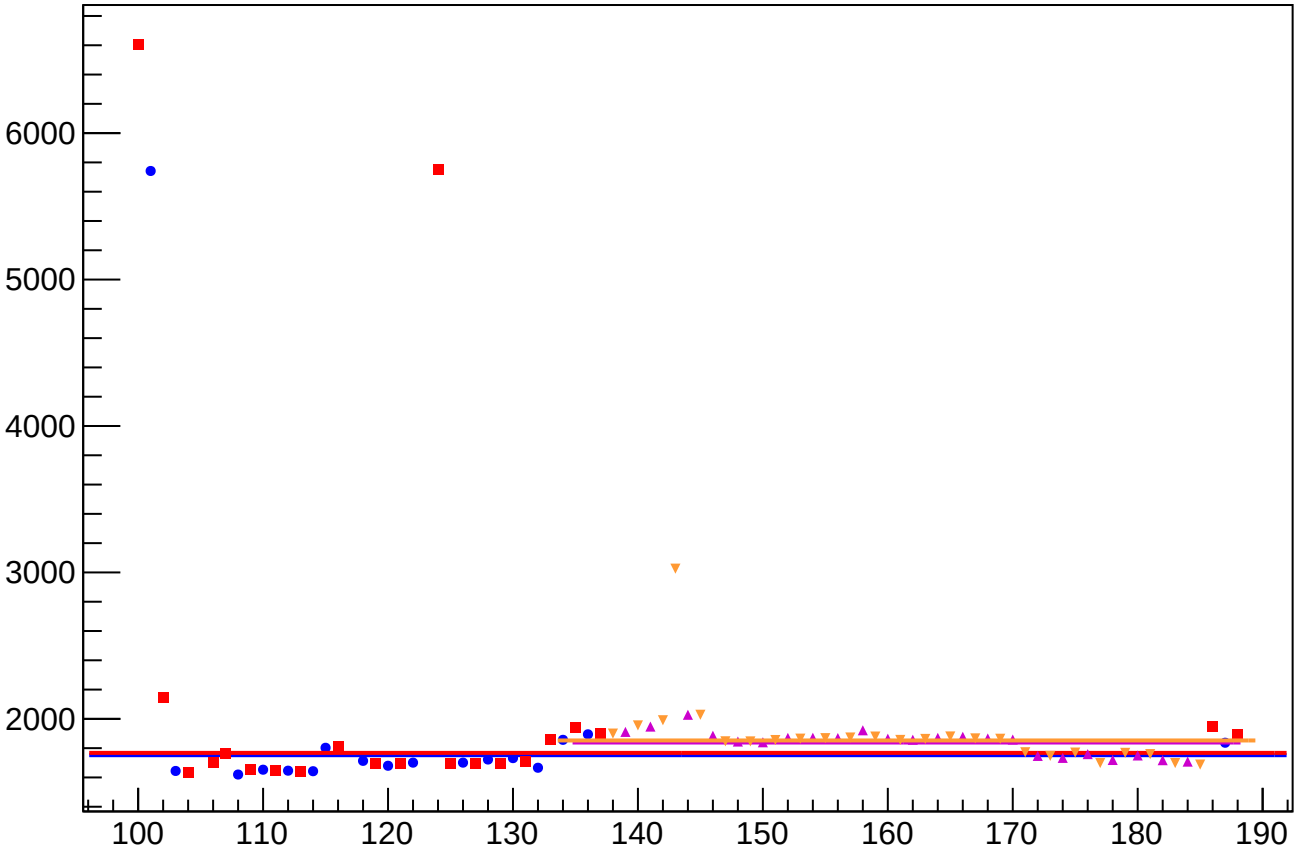
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 737.362+/-355.708 χ^2/NDF: 66.7/41

All: 419.326+/-249.806 χ^2/NDF: 105.0/85

- sign 109.832+/-350.898 χ^2/NDF: 36.7/43

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1751.983+/-0.466 χ^2/NDF: 670406.9/16

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.711+/-0.429 χ^2/NDF: 315670.8/20

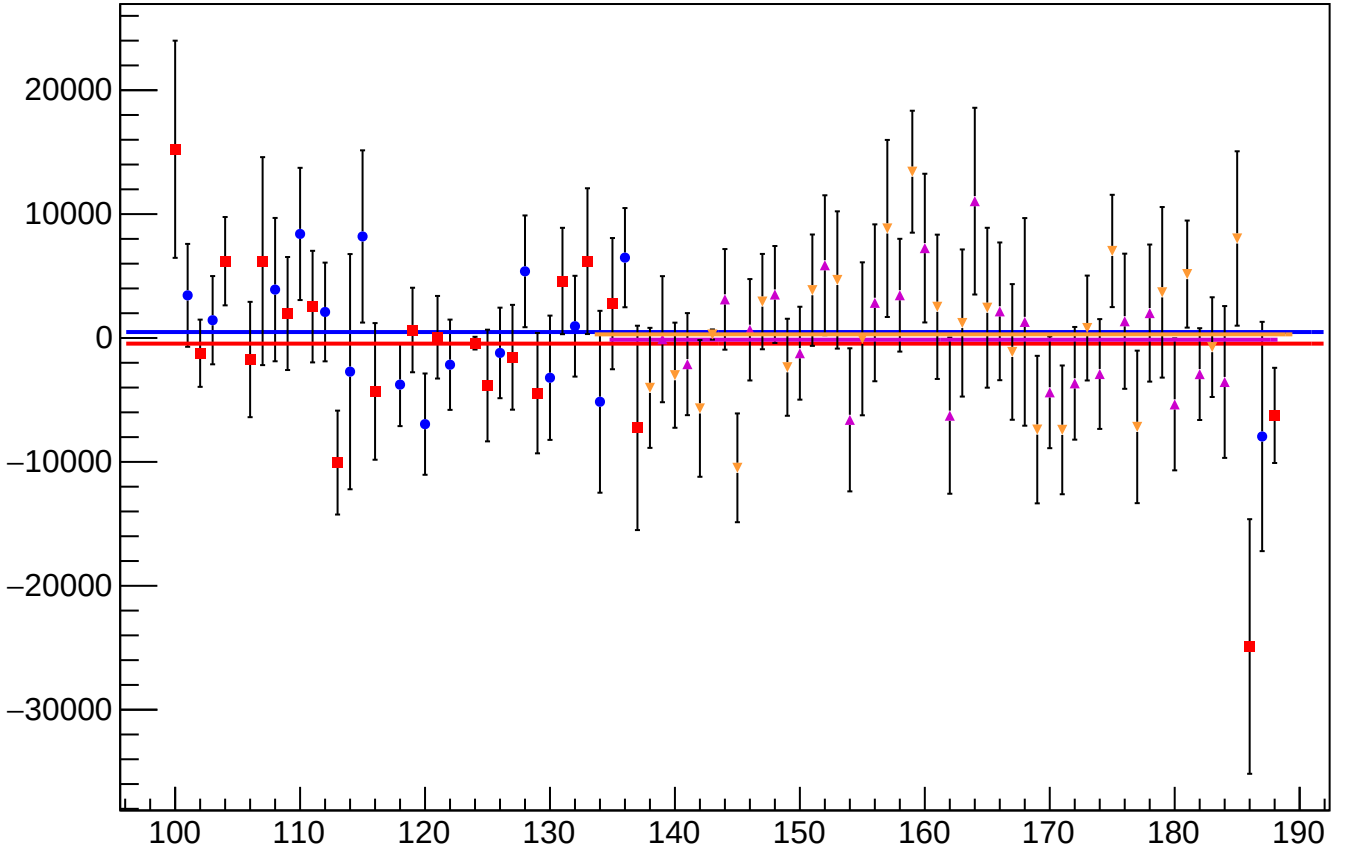
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1823.227+/-0.252 χ^2/NDF: 1024449.1/41

All: 1818.969+/-0.177 χ^2/NDF: 1427337.7/85

- sign 1814.835+/-0.248 χ^2/NDF: 402323.7/43

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 481.045+/-1092.432 χ^2/NDF: 15.7/16

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -454.579+/-455.175 χ^2/NDF: 27.0/20

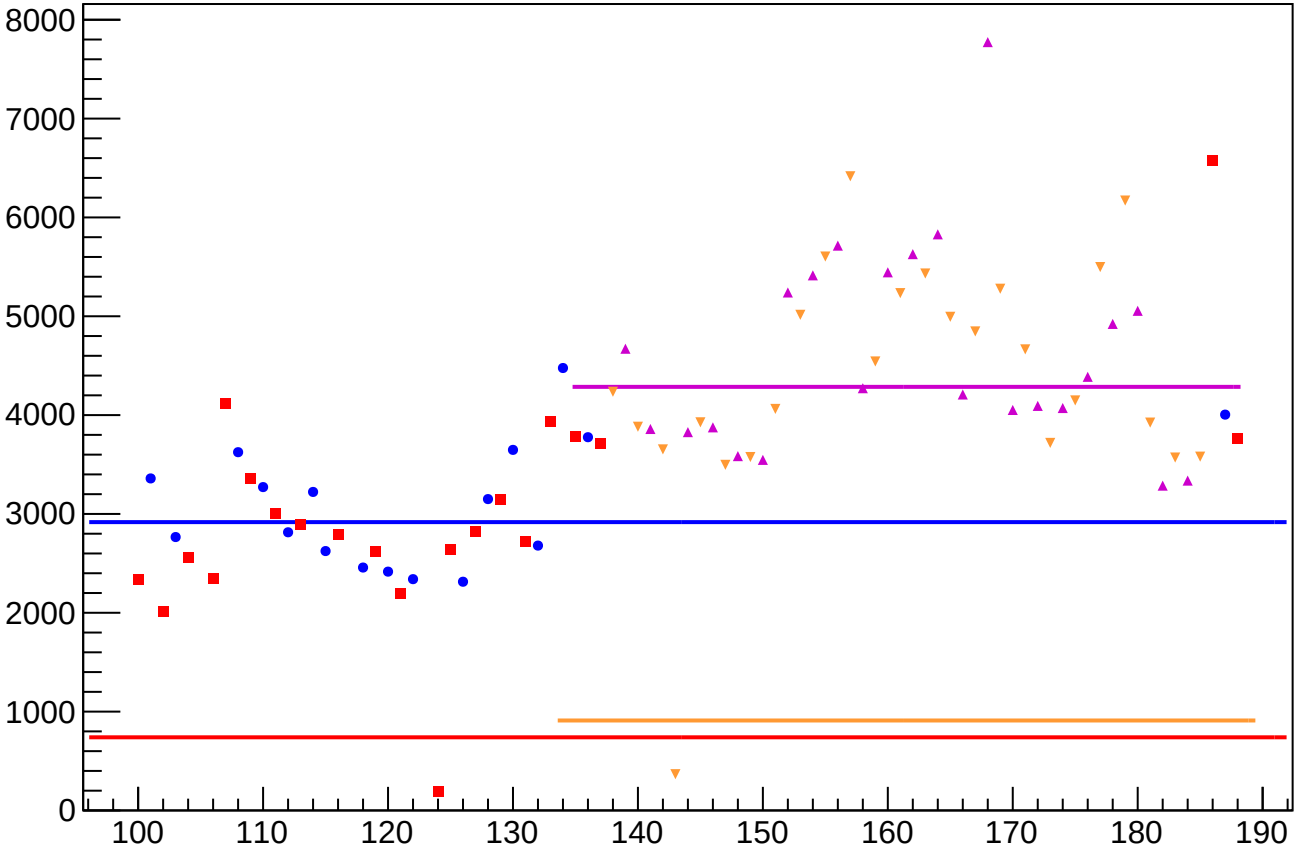
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 315.352+/-358.865 χ^2/NDF: 45.7/41

All: 9.040+/-271.691 χ^2/NDF: 88.5/85

- sign -402.302+/-415.864 χ^2/NDF: 41.0/43

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2917.235+/-0.772 χ^2/NDF: 508958.2/16

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 740.032+/-0.322 χ^2/NDF: 12017461.4/20

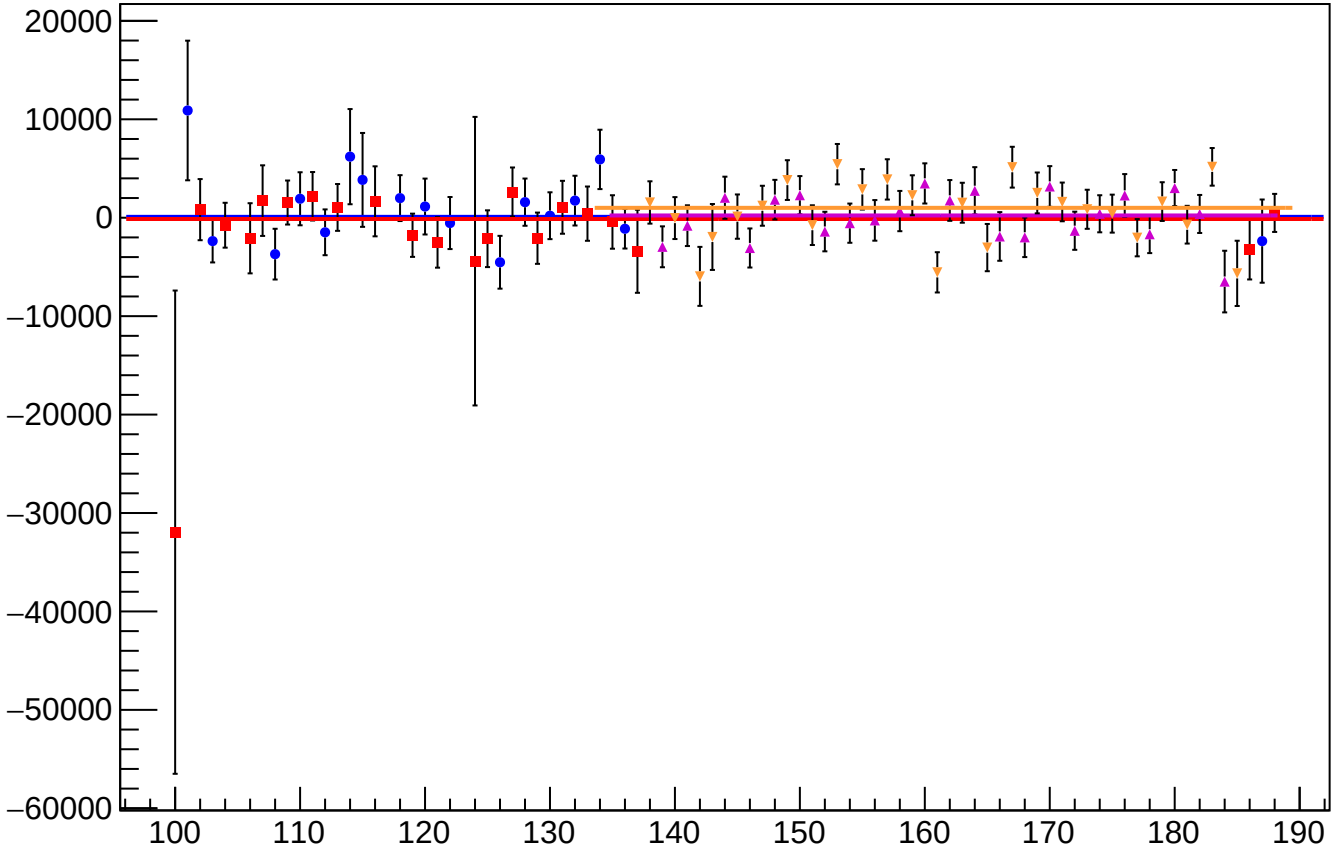
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1126.833+/-0.254 χ^2/NDF: 33303855.5/41

All: 1211.866+/-0.192 χ^2/NDF: 66970988.4/8

- sign 1326.056+/-0.294 χ^2/NDF: 33404048.6/43

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 88.864+/-658.876 χ^2/NDF: 18.0/16

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -129.184+/-607.951 χ^2/NDF: 10.1/20

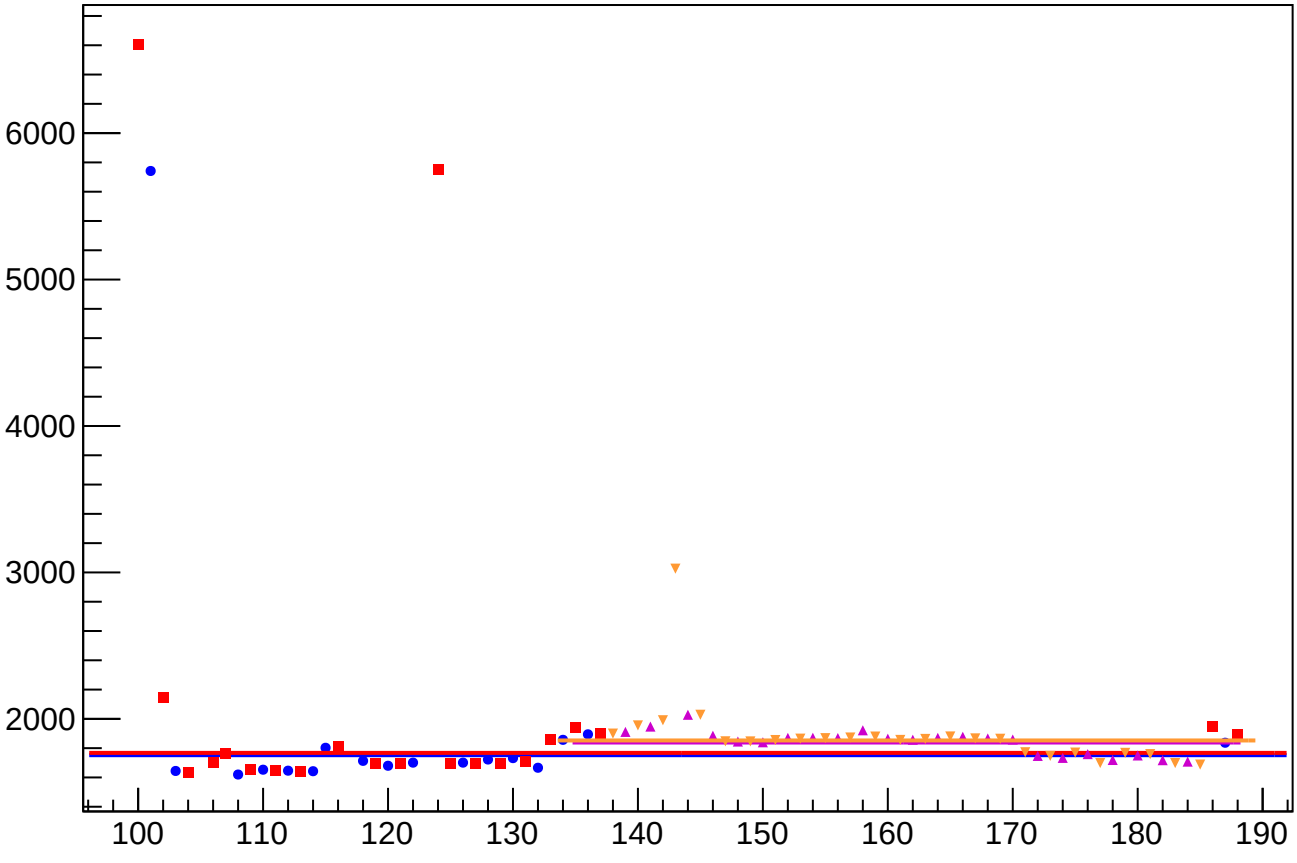
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 737.362+/-355.708 χ^2/NDF: 66.7/41

All: 419.326+/-249.806 χ^2/NDF: 105.0/85

- sign 109.832+/-350.898 χ^2/NDF: 36.7/43

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1751.983+/-0.466 χ^2/NDF: 670406.9/16

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

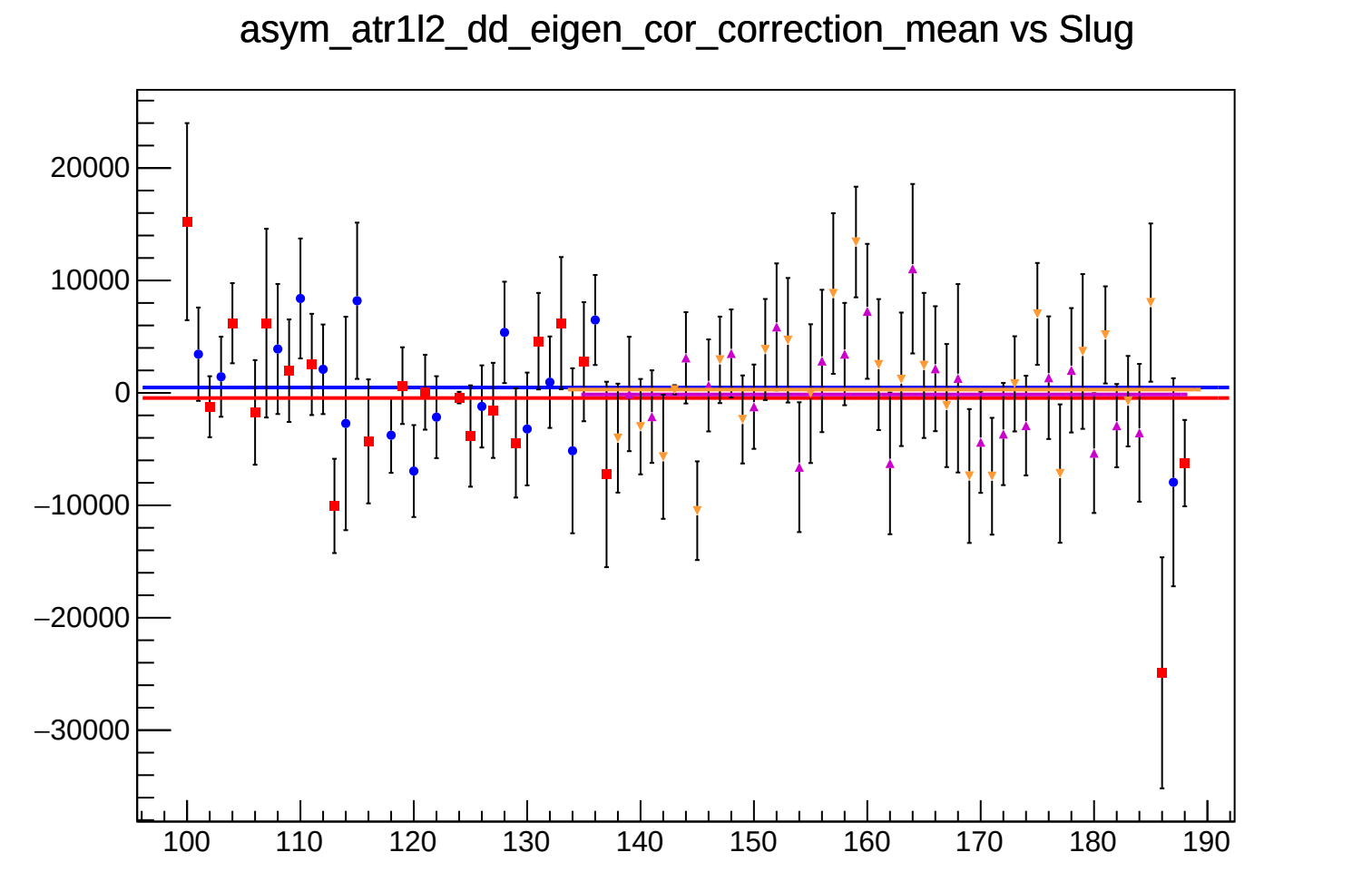
Right Out: 1767.711+/-0.429 χ^2/NDF: 315670.8/20

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1823.227+/-0.252 χ^2/NDF: 1024449.1/41

All: 1818.969+/-0.177 χ^2/NDF: 1427337.7/85

- sign 1814.835+/-0.248 χ^2/NDF: 402323.7/43



Right In: 481.045+/-1092.432 χ^2/NDF: 15.7/16

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -454.579+/-455.175 χ^2/NDF: 27.0/20

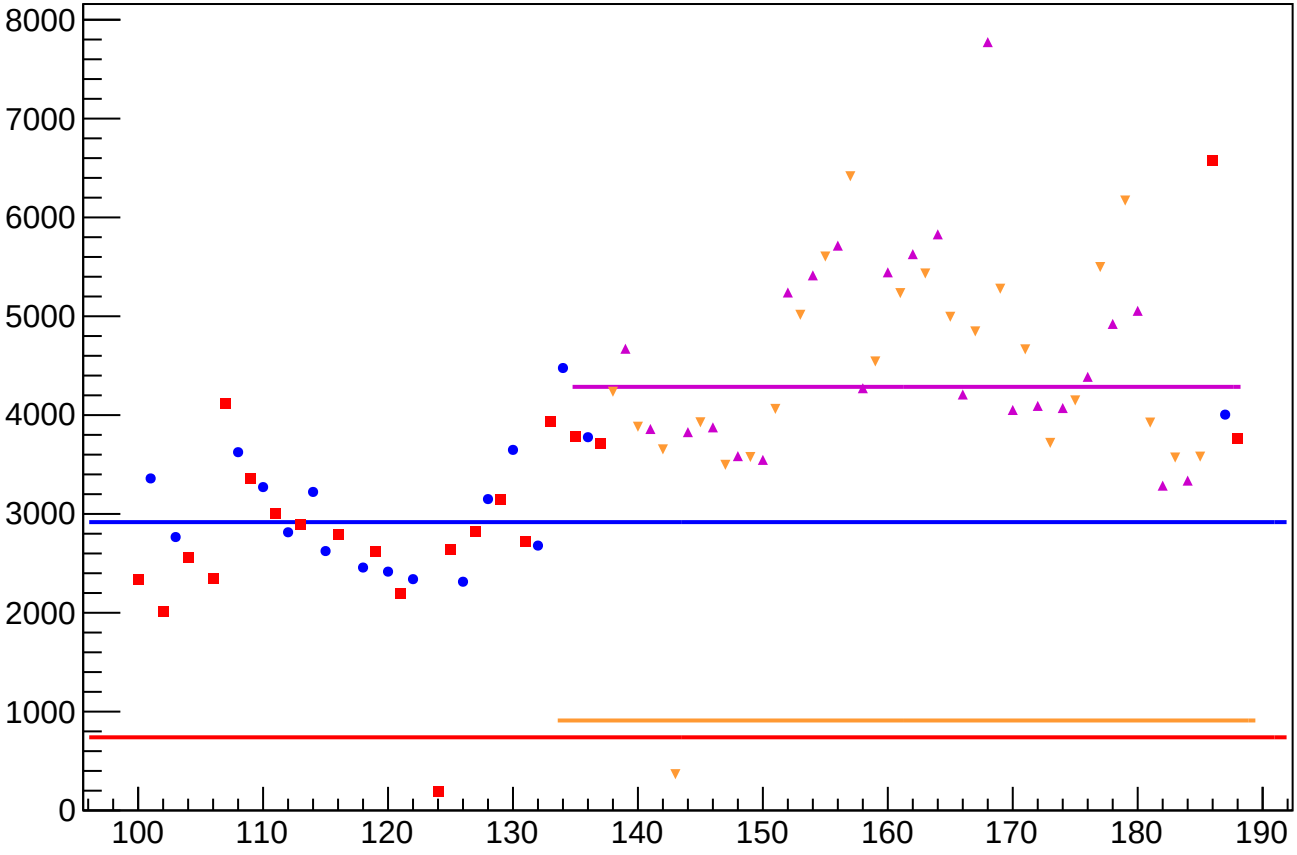
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 315.352+/-358.865 χ^2/NDF: 45.7/41

All: 9.040+/-271.691 χ^2/NDF: 88.5/85

- sign -402.302+/-415.864 χ^2/NDF: 41.0/43

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2917.235+/-0.772 χ^2/NDF: 508958.2/16

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 740.032+/-0.322 χ^2/NDF: 12017461.4/20

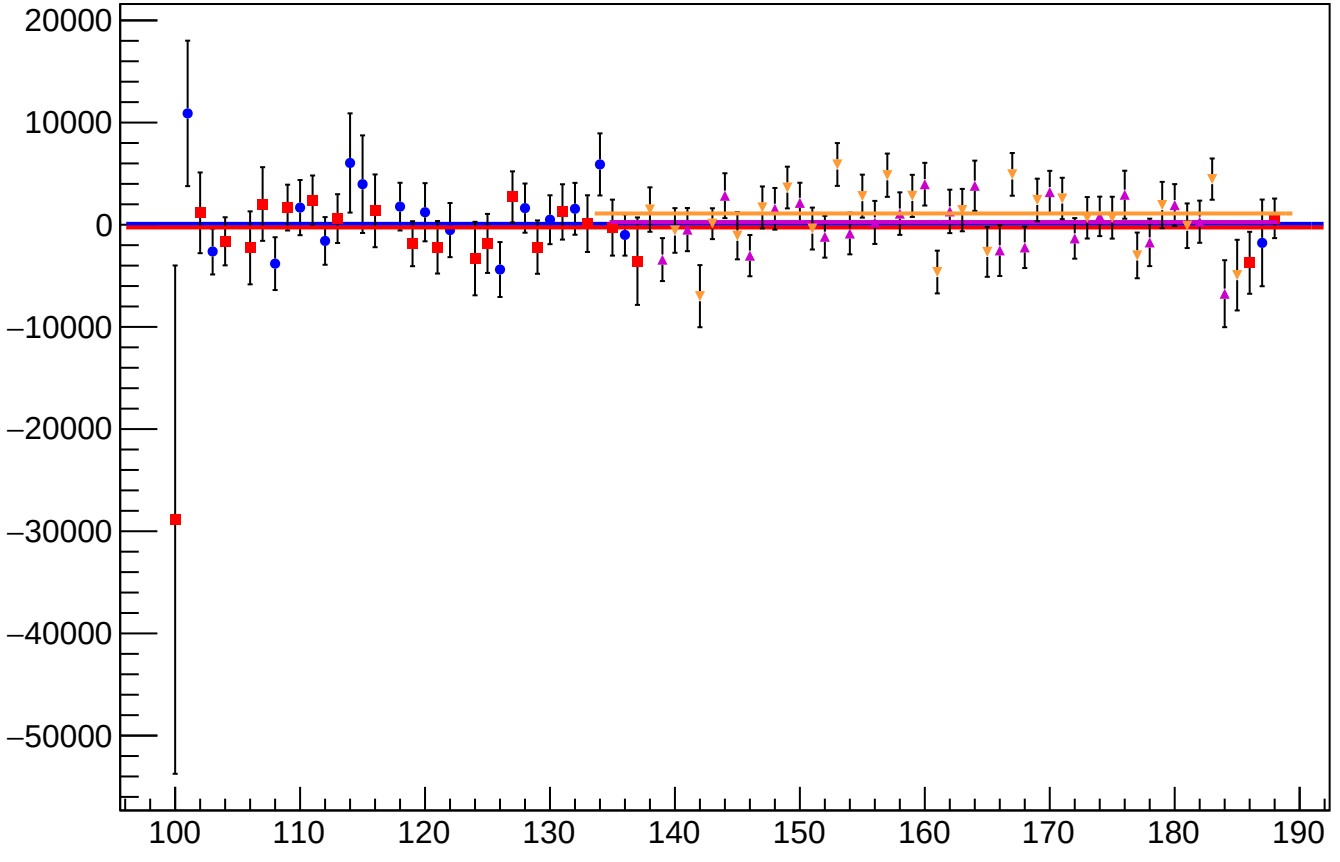
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1126.833+/-0.254 χ^2/NDF: 33303855.5/41

All: 1211.866+/-0.192 χ^2/NDF: 66970988.4/8

- sign 1326.056+/-0.294 χ^2/NDF: 33404048.6/43

dit_asym_atr1l2_dd_mean vs Slug



Right In: 87.123+/-663.357 χ^2/NDF: 17.5/16

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -264.888+/-607.443 χ^2/NDF: 11.2/20

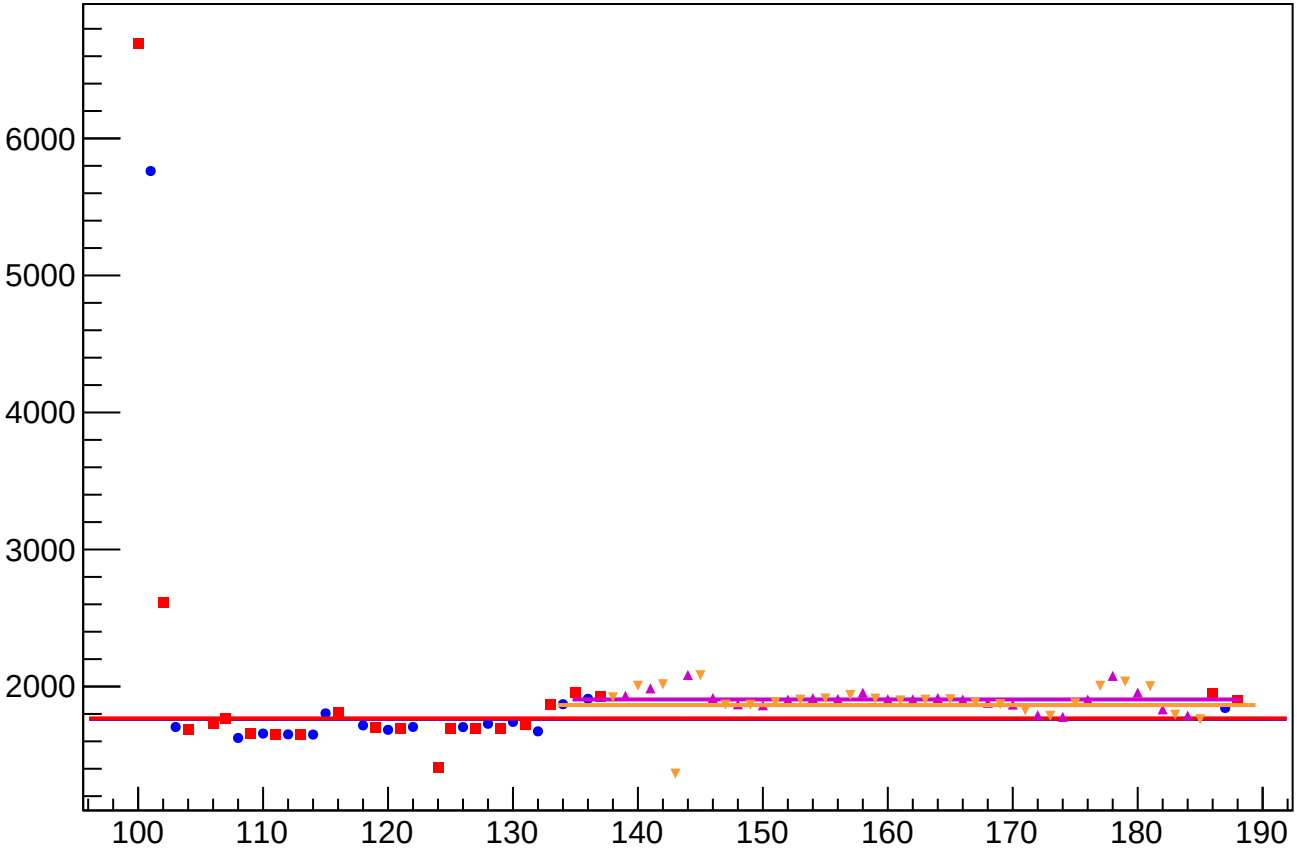
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 807.265+/-358.046 χ^2/NDF: 63.9/41

All: 444.515+/-253.571 χ^2/NDF: 105.4/85

- sign 79.495+/-359.165 χ^2/NDF: 39.4/43

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1764.044+/-0.469 χ^2/NDF: 668416.4/16

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1766.837+/-0.428 χ^2/NDF: 246449.2/20

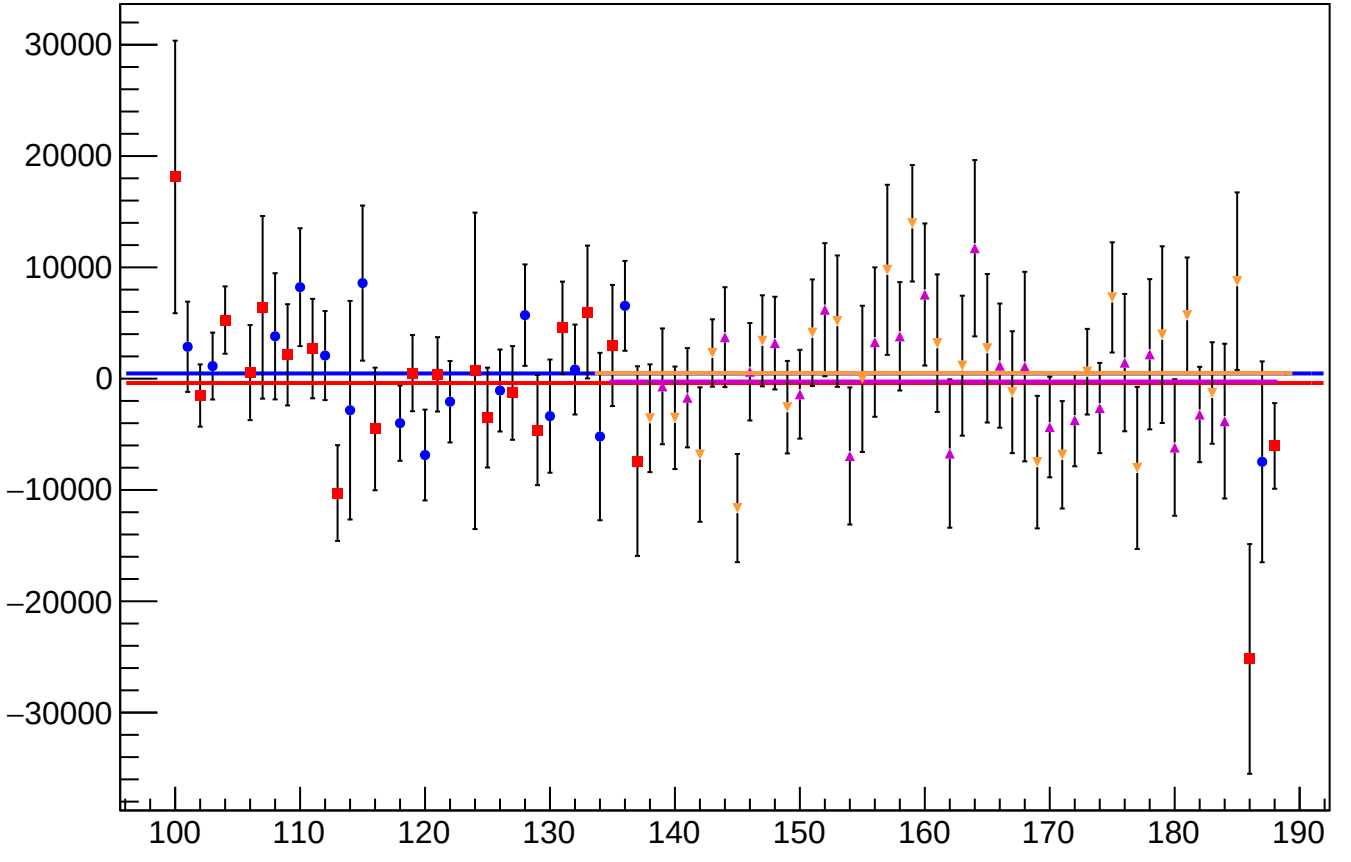
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1835.476+/-0.253 χ^2/NDF: 995852.8/41

All: 1846.188+/-0.179 χ^2/NDF: 1366799.6/85

- sign 1856.949+/-0.254 χ^2/NDF: 367358.3/43

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 468.173+/-1073.796 χ^2/NDF: 15.7/16

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -390.491+/-982.378 χ^2/NDF: 26.2/20

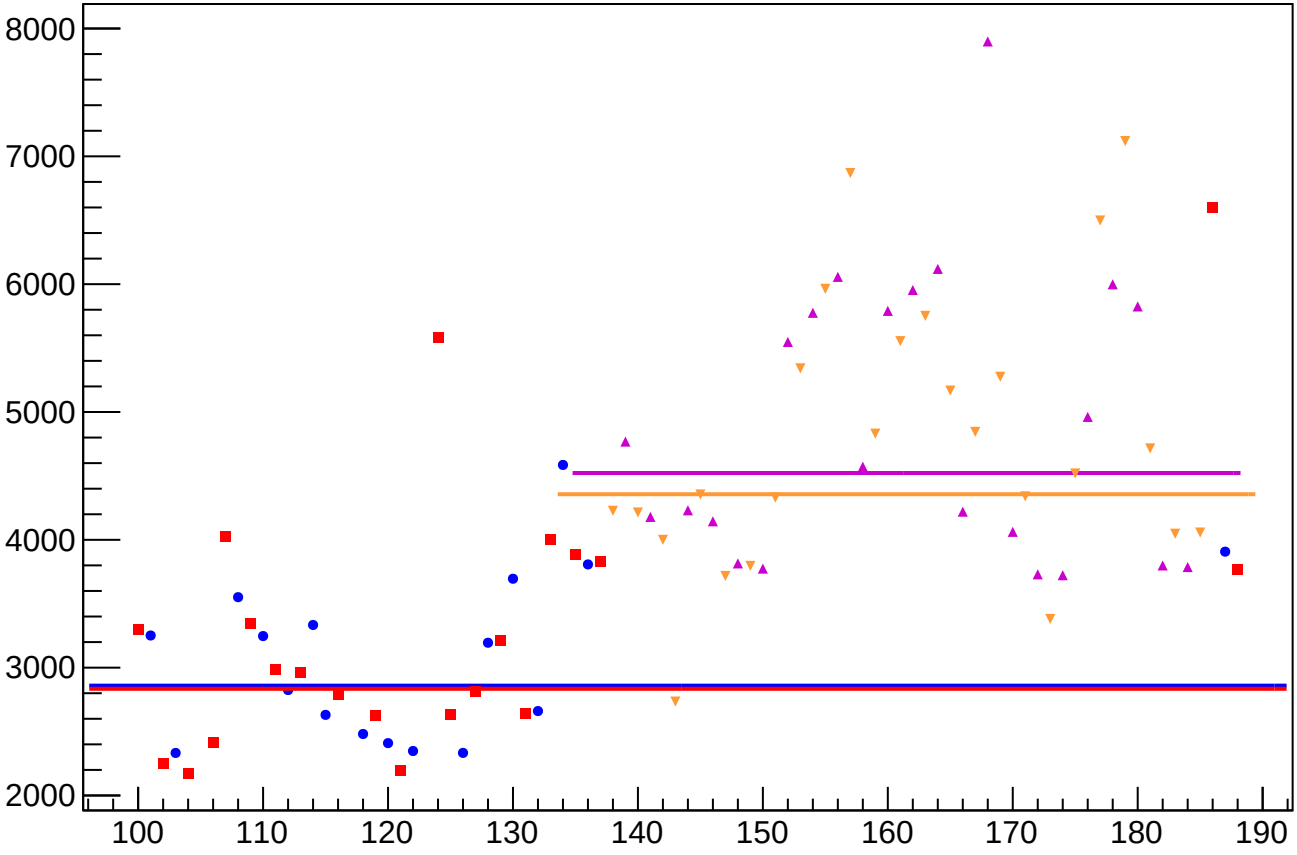
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 487.114+/-740.177 χ^2/NDF: 45.7/41

All: 70.296+/-518.714 χ^2/NDF: 86.2/85

- sign -331.967+/-727.140 χ^2/NDF: 39.9/43

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2859.210+/-0.759 χ^2/NDF: 569411.1/16

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 2834.605+/-0.695 χ^2/NDF: 1015530.8/20

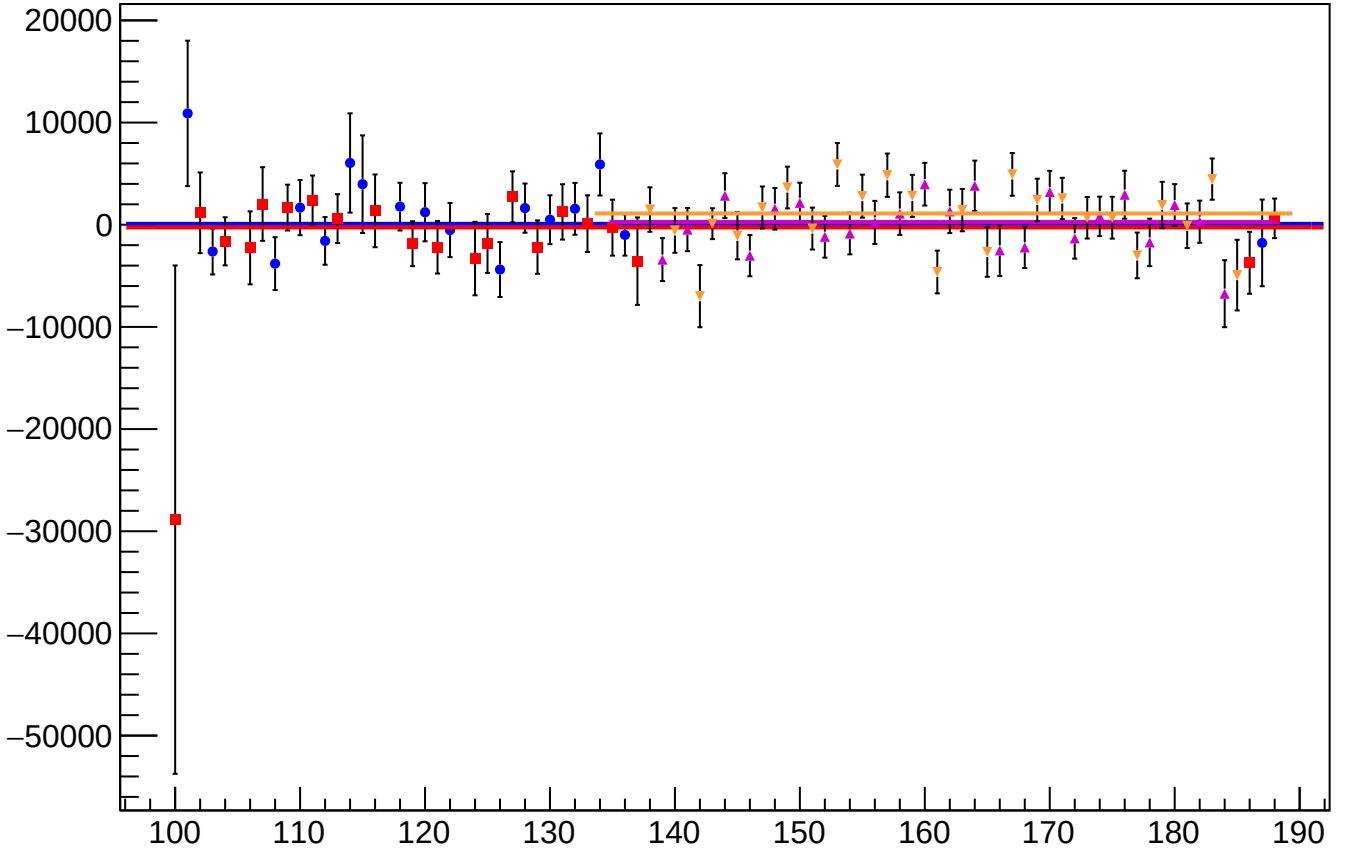
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3645.143+/-0.523 χ^2/NDF: 4523092.3/41

All: 3621.092+/-0.367 χ^2/NDF: 9647161.5/85

- sign 3597.880+/-0.514 χ^2/NDF: 5119919.5/43

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 87.121+/-663.357 χ^2/NDF: 17.5/16

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -264.884+/-607.443 χ^2/NDF: 11.2/20

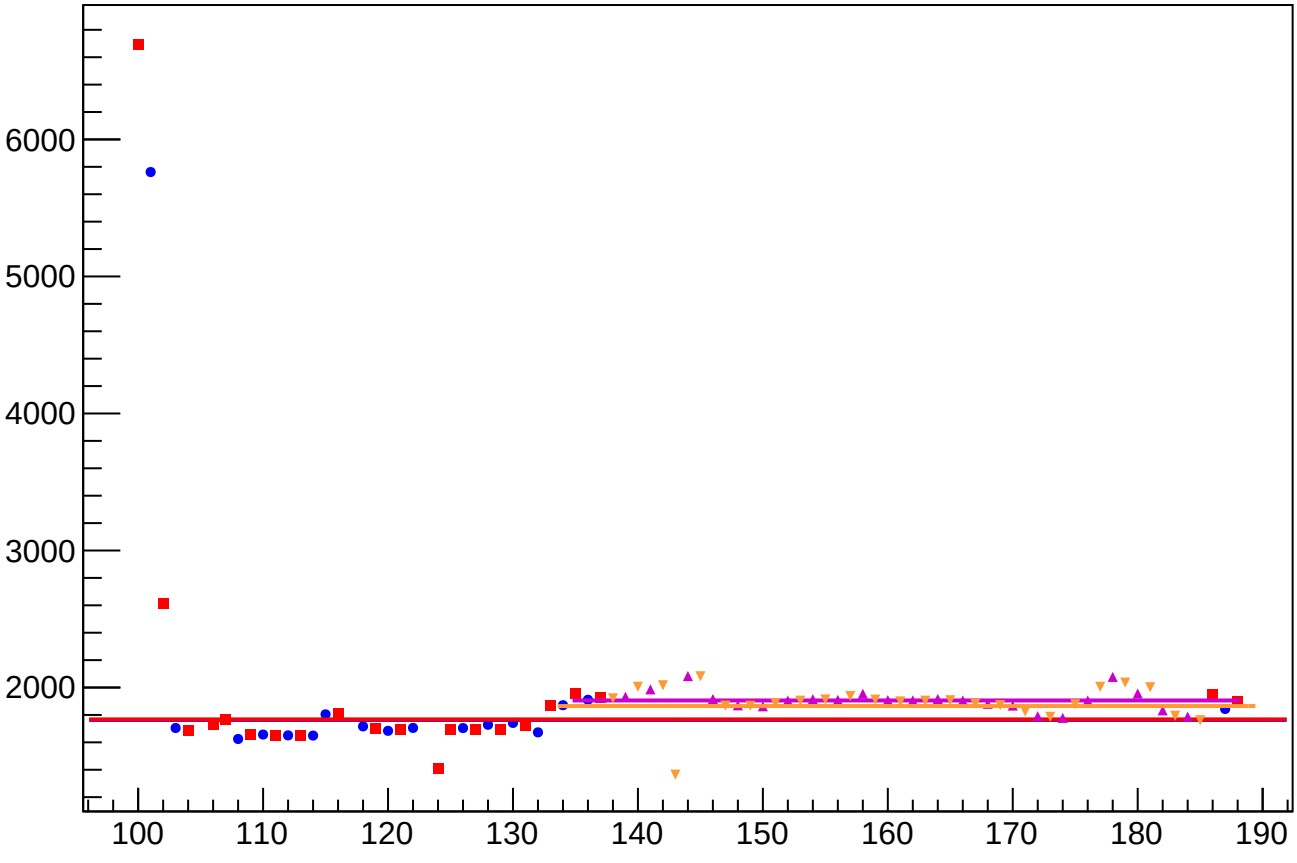
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 807.265+/-358.046 χ^2/NDF: 63.9/41

All: 444.516+/-253.571 χ^2/NDF: 105.4/85

- sign 79.496+/-359.165 χ^2/NDF: 39.4/43

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1764.045+/-0.469 χ^2/NDF: 668416.4/16

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

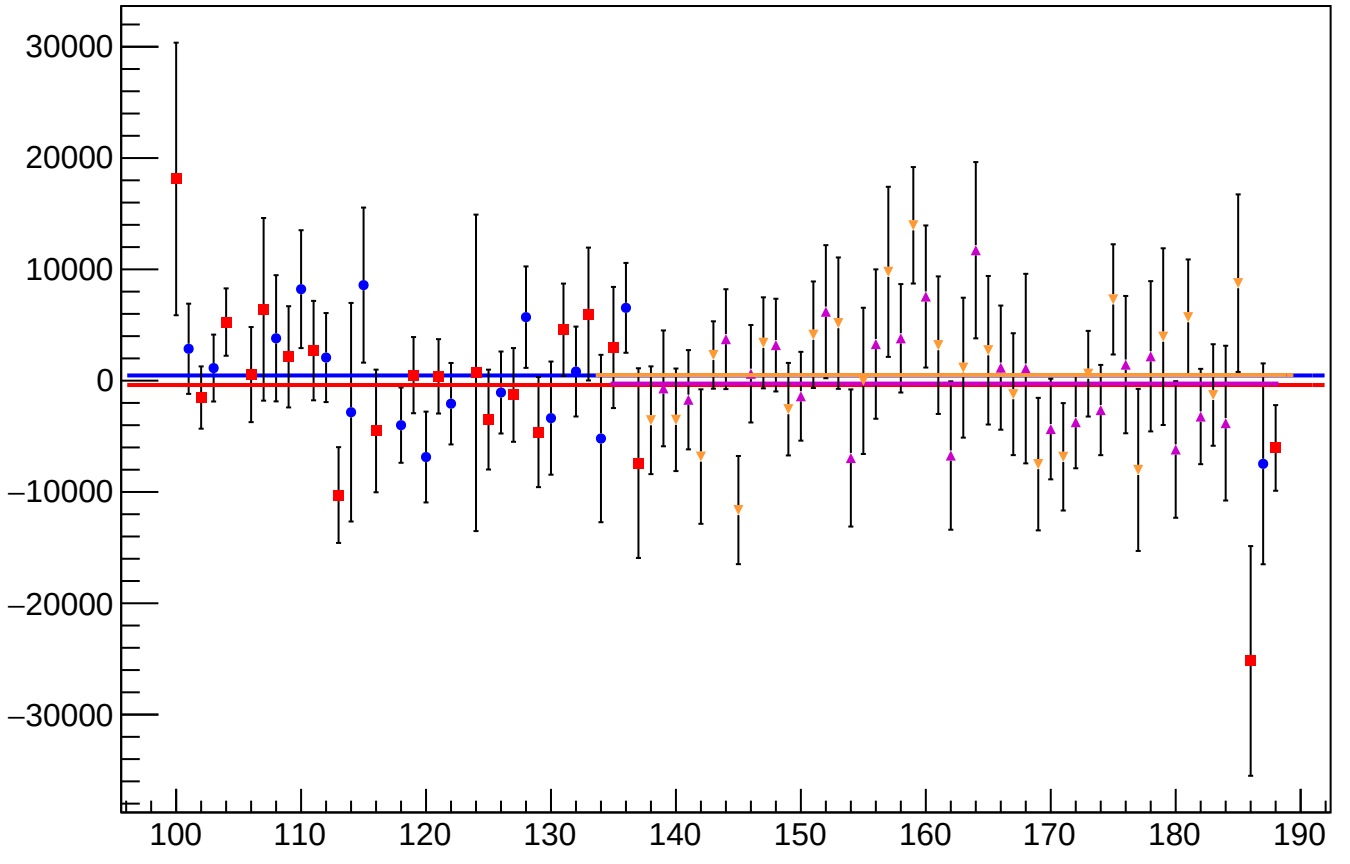
Right Out: 1766.837+/-0.428 χ^2/NDF: 246449.2/20

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1835.477+/-0.253 χ^2/NDF: 995856.7/41

All: 1846.189+/-0.179 χ^2/NDF: 1366806.9/85

- sign 1856.949+/-0.254 χ^2/NDF: 367361.6/43



Right In: 468.169+/-1073.794 χ^2/NDF: 15.7/16

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

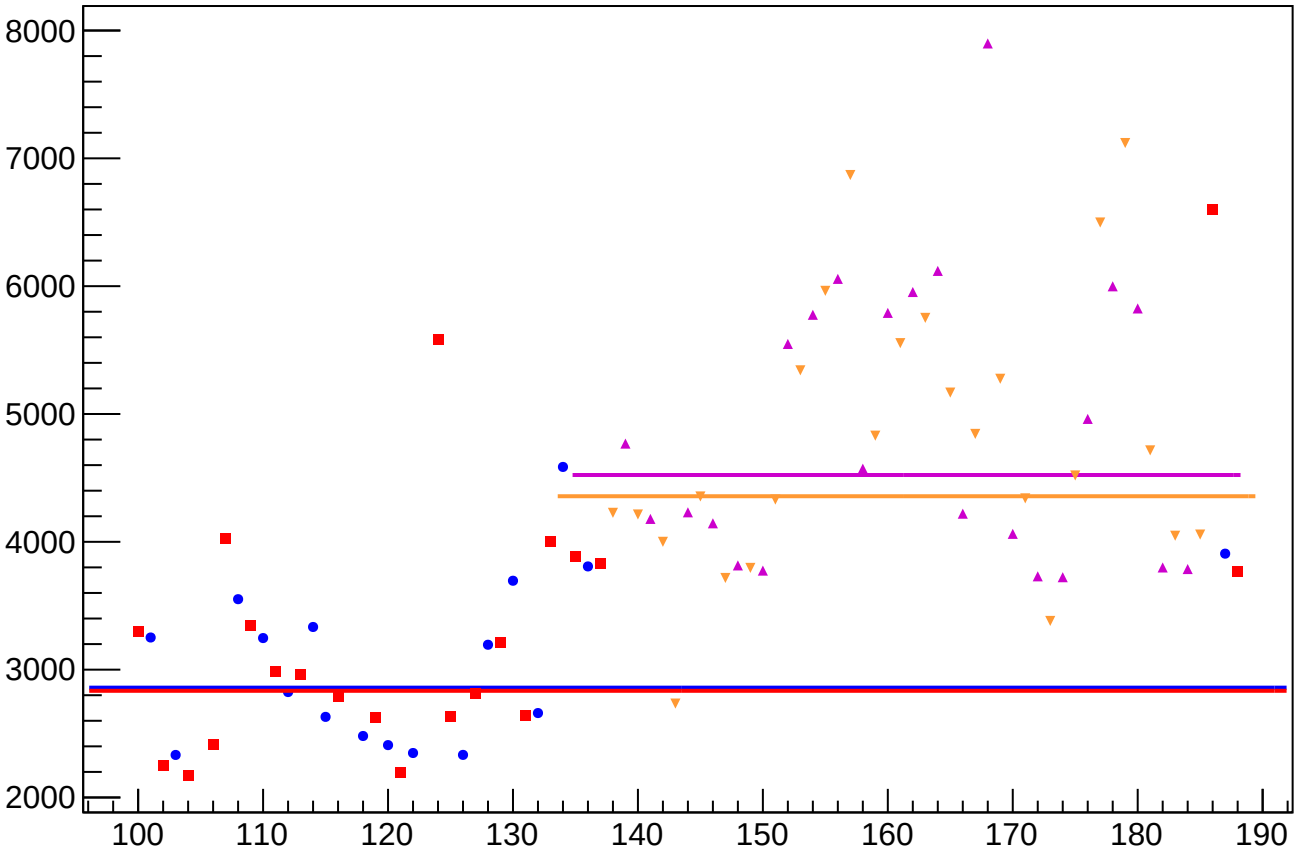
Right Out: -390.489+/-982.377 χ^2/NDF: 26.2/20

Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 487.114+/-740.177 χ^2/NDF: 45.7/41

All: 70.297+/-518.713 χ^2/NDF: 86.2/85

- sign -331.966+/-727.140 χ^2/NDF: 39.9/43



Right In: 2859.203+/-0.759 χ^2/NDF: 569415.5/16

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 2834.599+/-0.695 χ^2/NDF: 1015531.3/20

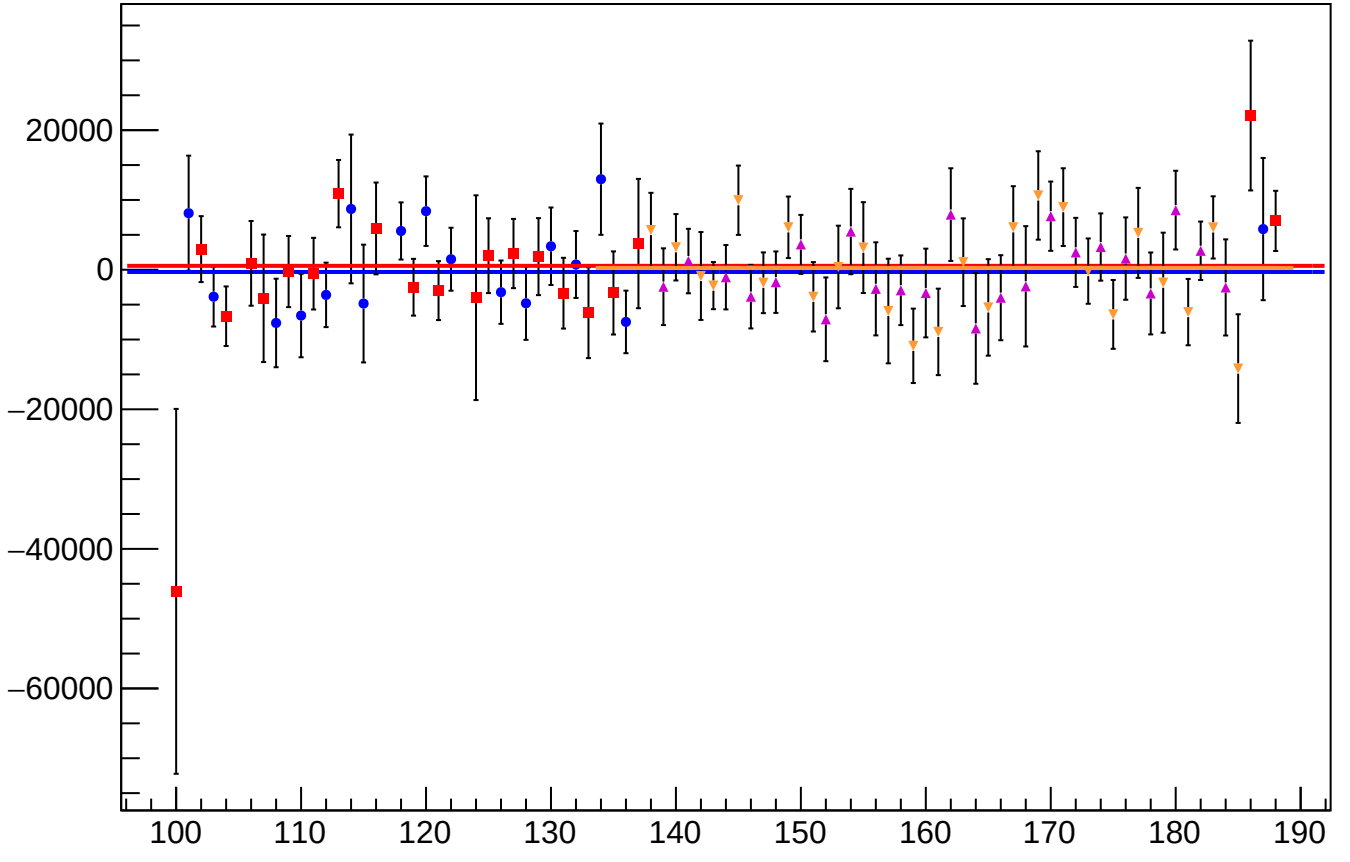
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3645.140+/-0.523 χ^2/NDF: 4523142.8/41

All: 3621.089+/-0.367 χ^2/NDF: 9647254.7/85

- sign 3597.878+/-0.514 χ^2/NDF: 5119962.2/43

asym_atr1l2_dd_mean vs Slug



Right In: -318.874+/-1316.143 χ^2/NDF: 18.3/16

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 559.187+/-1215.482 χ^2/NDF: 22.0/20

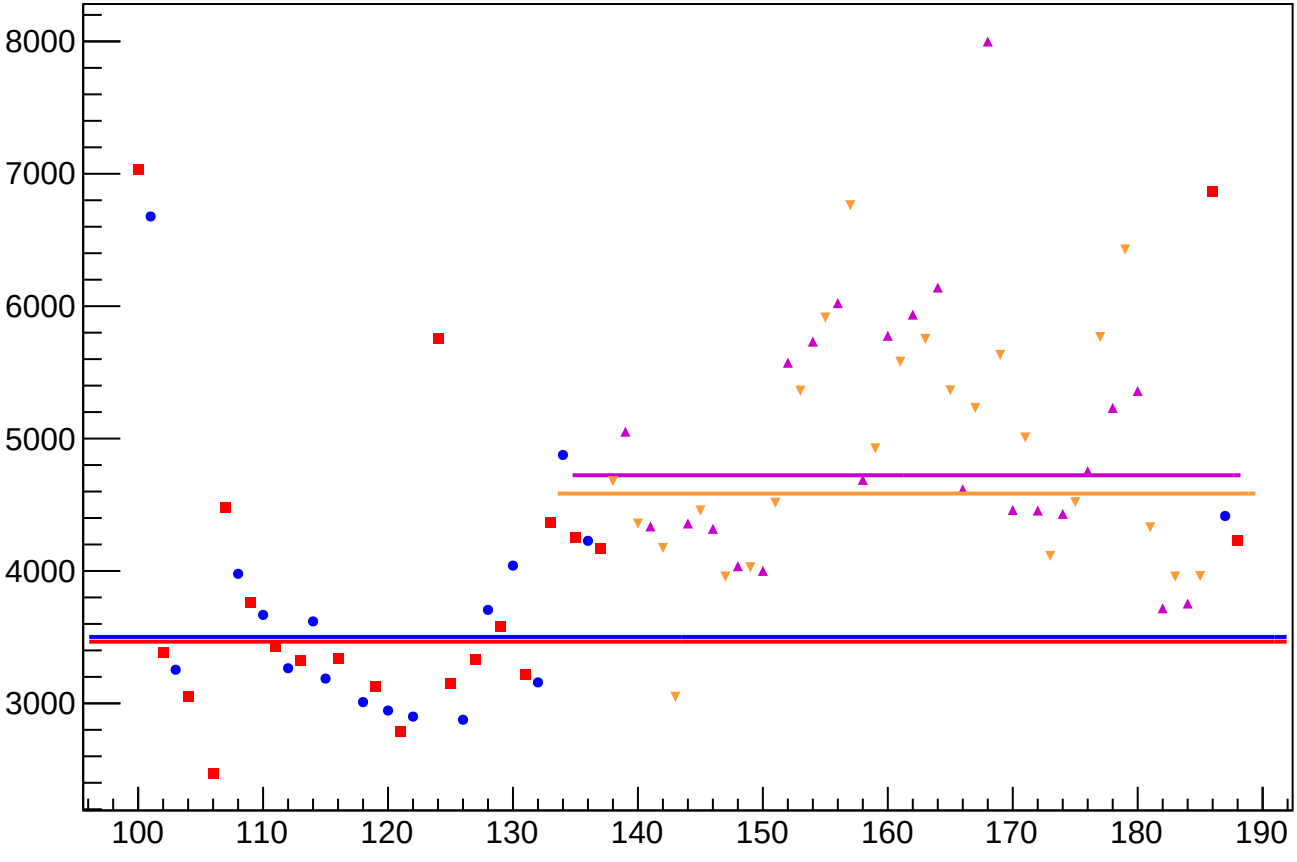
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

\+ sign 18.905+/-827.738 χ^2/NDF: 50.6/41

All: 246.453+/-584.035 χ^2/NDF: 86.9/85

\- sign 472.045+/-824.175 χ^2/NDF: 36.2/43

asym_atr1l2_dd_rms vs Slug



Right In: 3501.663+/-0.931 χ^2/NDF: 612136.5/16

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3466.074+/-0.849 χ^2/NDF: 655909.9/20

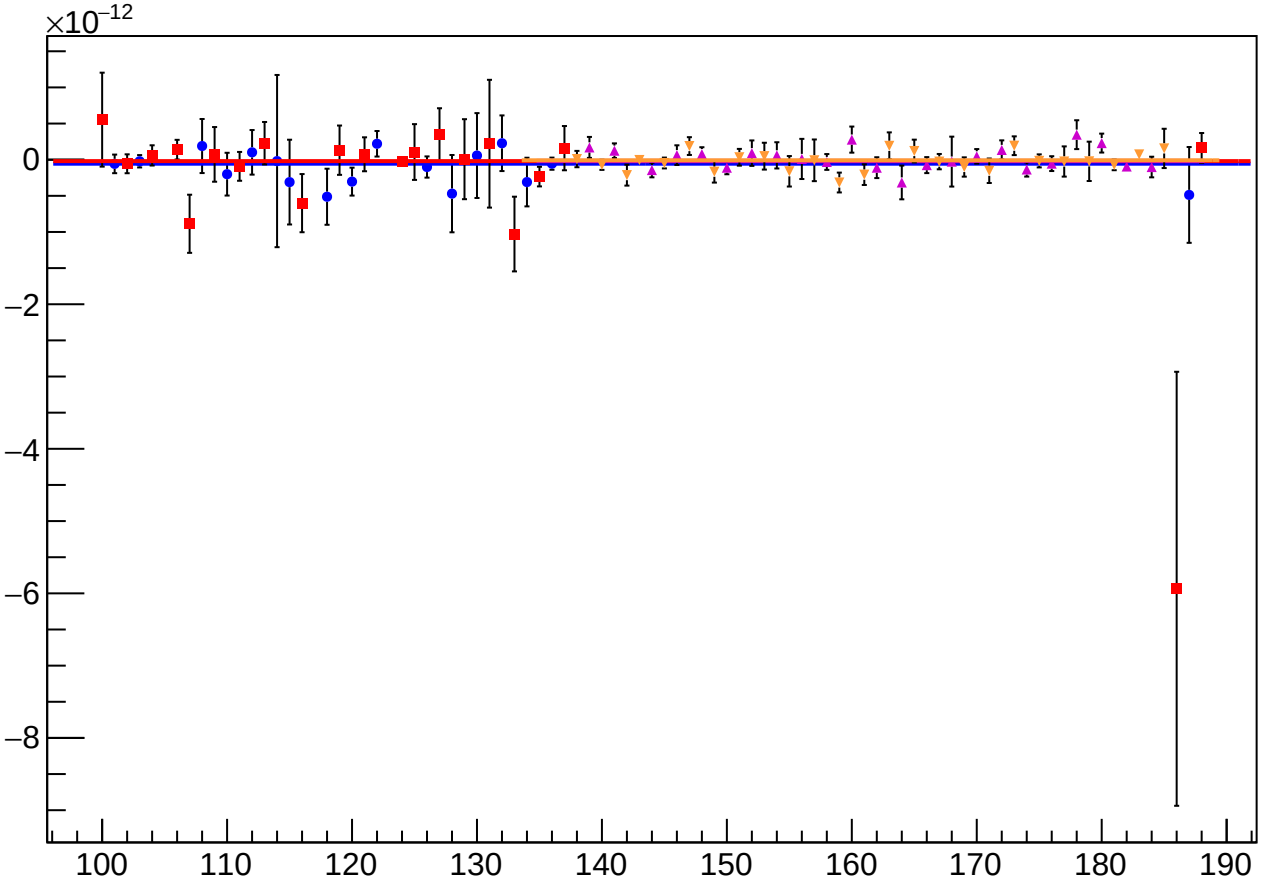
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4156.303+/-0.585 χ^2/NDF: 2742429.5/41

All: 4146.620+/-0.412 χ^2/NDF: 5586860.2/85

- sign 4137.133+/-0.579 χ^2/NDF: 2843888.8/43

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 9.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/20

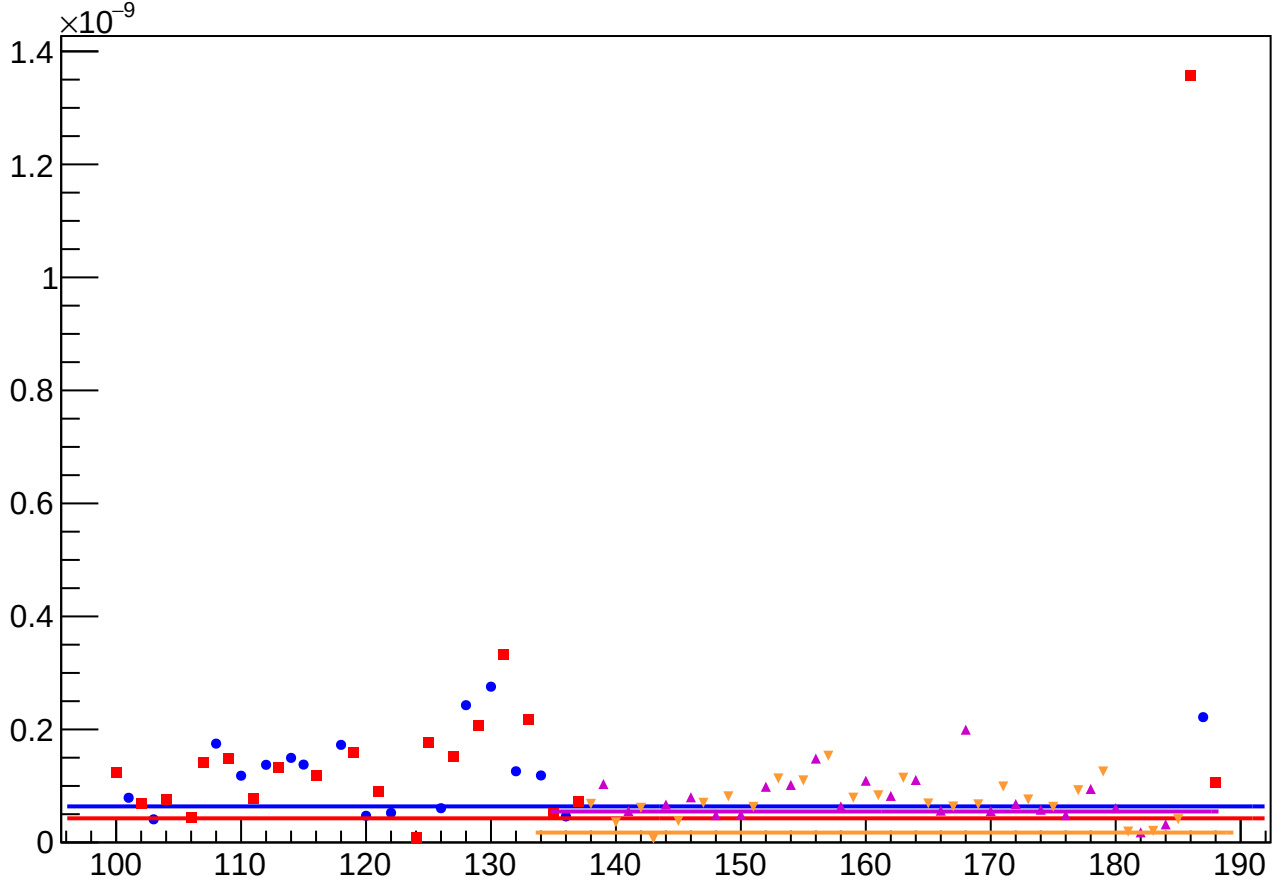
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/41

All: -0.000+/-0.000 χ^2/NDF: 82.0/85

- sign -0.000+/-0.000 χ^2/NDF: 49.1/43

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1546095.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3750047.4/20

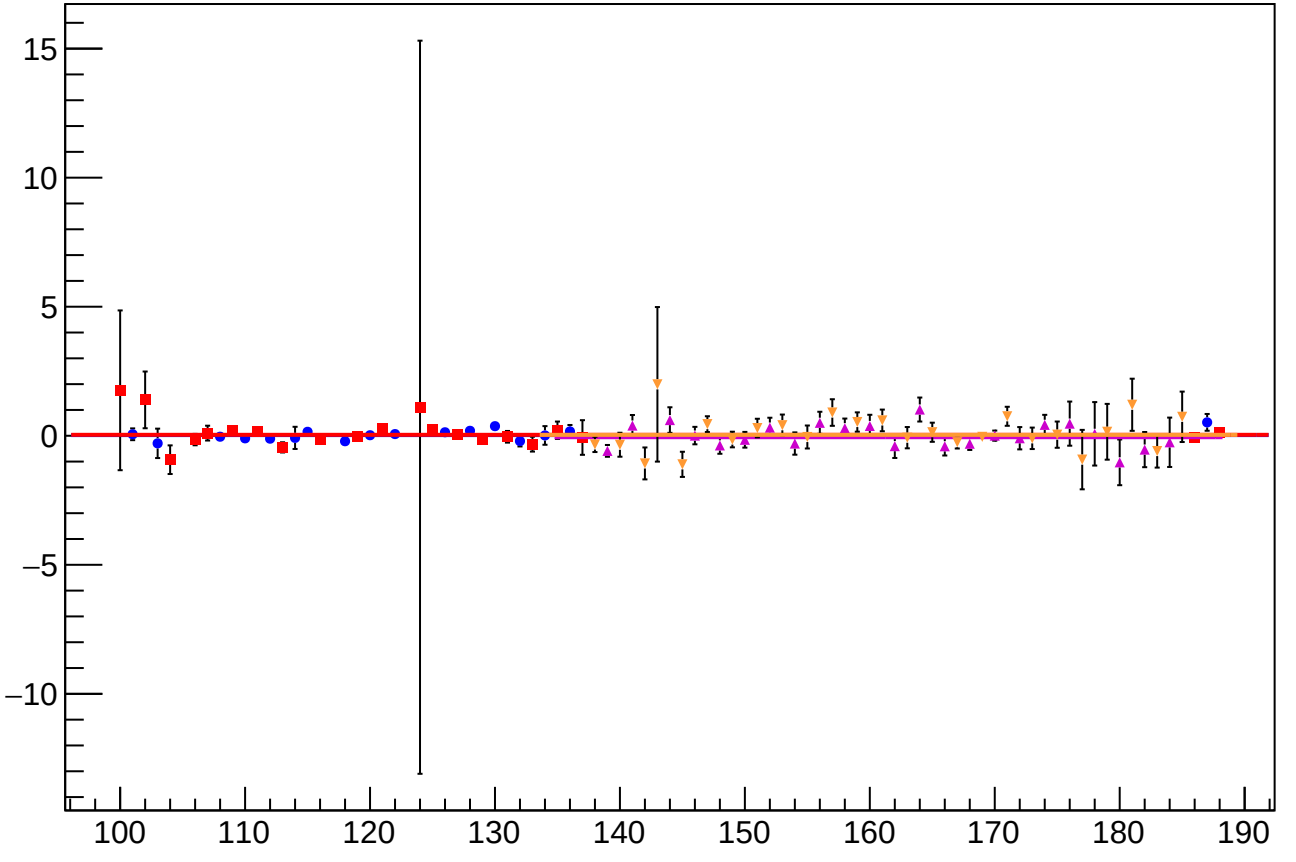
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12465407.0/41

All: 0.000+/-0.000 χ^2/NDF: 22859302.4/85

- sign 0.000+/-0.000 χ^2/NDF: 6710310.2/43

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.036+/-0.039 χ^2/NDF: 23.8/20

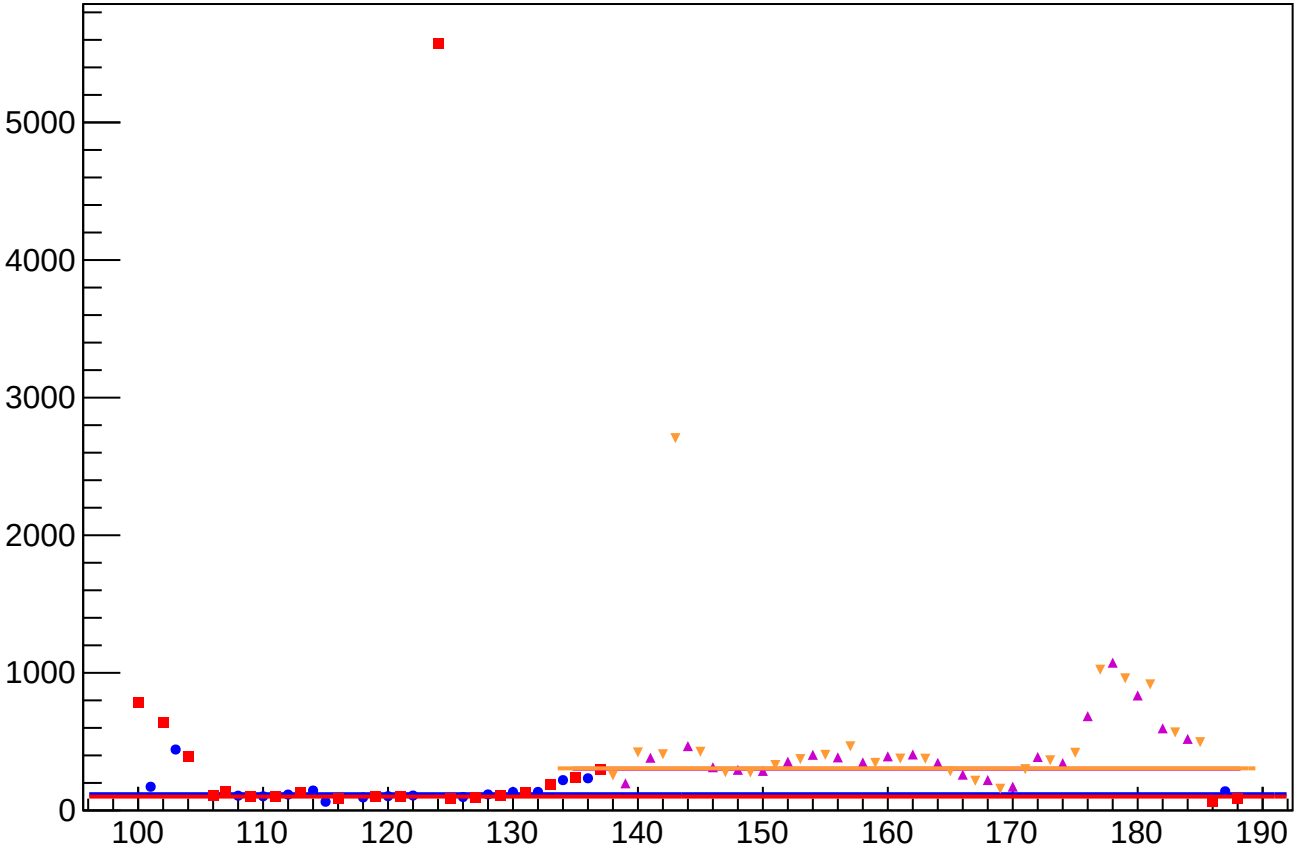
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.028+/-0.040 χ^2/NDF: 44.6/41

All: 0.022+/-0.026 χ^2/NDF: 95.7/85

- sign 0.018+/-0.035 χ^2/NDF: 51.0/43

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 118.105+/-0.034 χ^2/NDF: 1730918.0/16

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

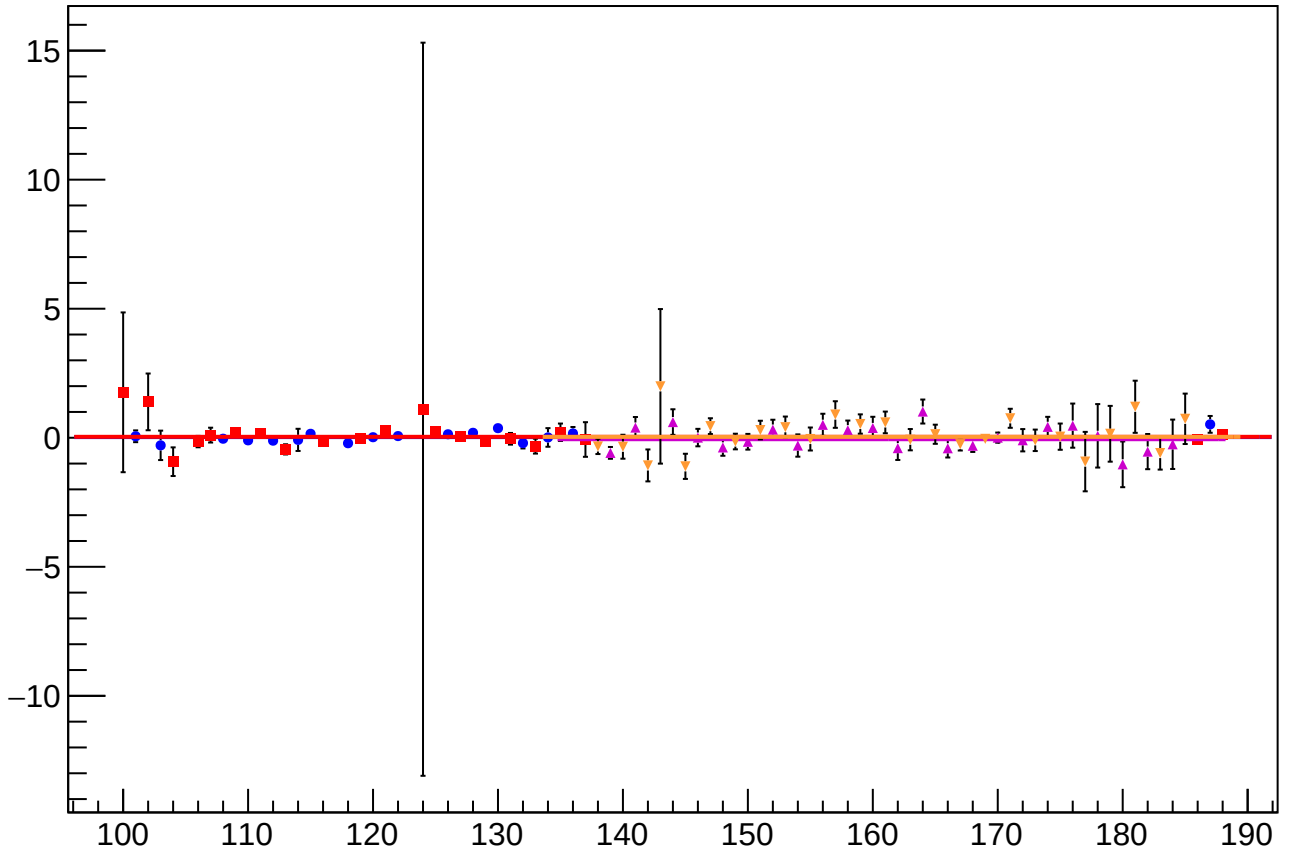
Right Out: 100.764+/-0.028 χ^2/NDF: 2617456.4/20

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 168.798+/-0.029 χ^2/NDF: 16848758.5/41

All: 153.300+/-0.019 χ^2/NDF: 35730694.0/85

- sign 141.839+/-0.025 χ^2/NDF: 18372157.1/43



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.036+/-0.039 χ^2/NDF: 23.8/20

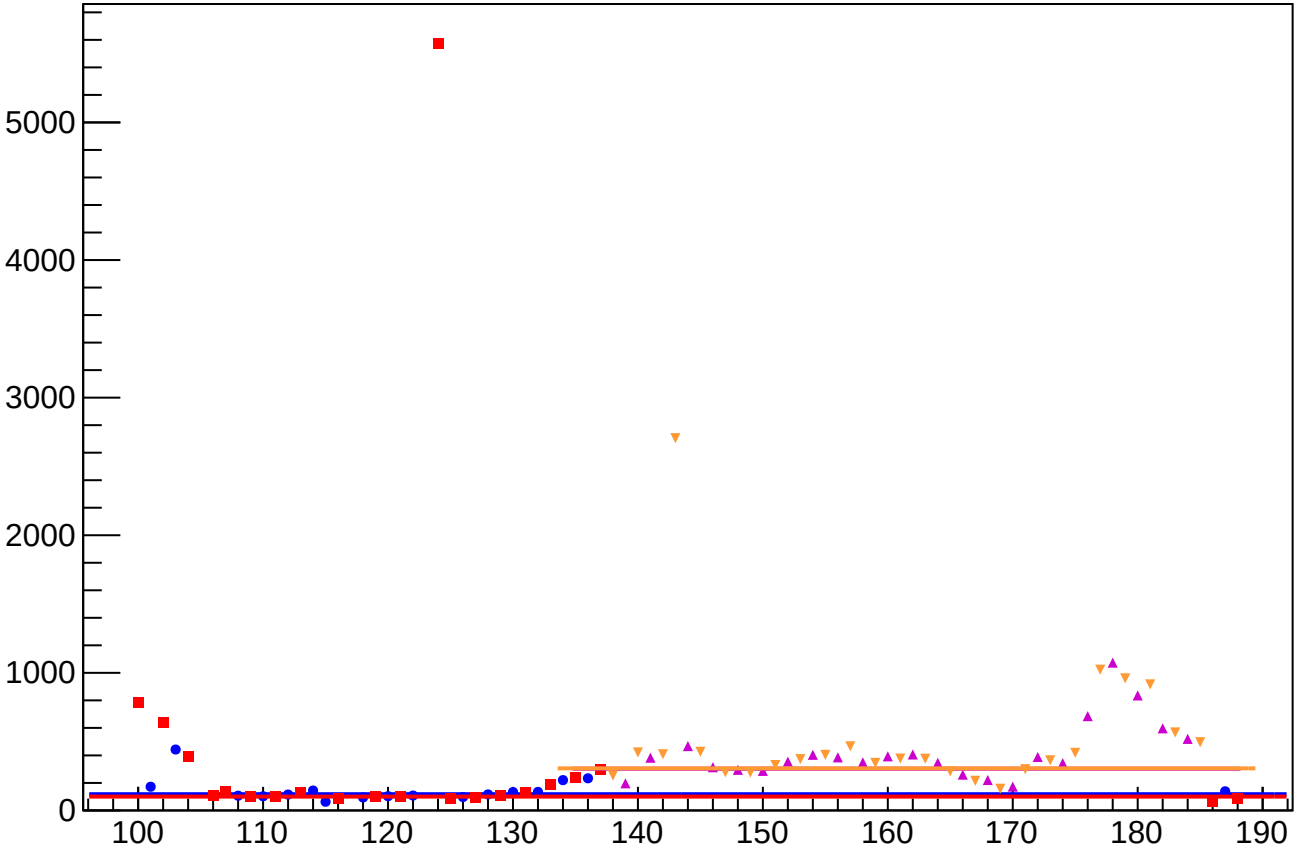
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.028+/-0.040 χ^2/NDF: 44.6/41

All: 0.022+/-0.026 χ^2/NDF: 95.7/85

- sign 0.018+/-0.035 χ^2/NDF: 51.0/43

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 118.105+/-0.034 χ^2/NDF: 1730918.0/16

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

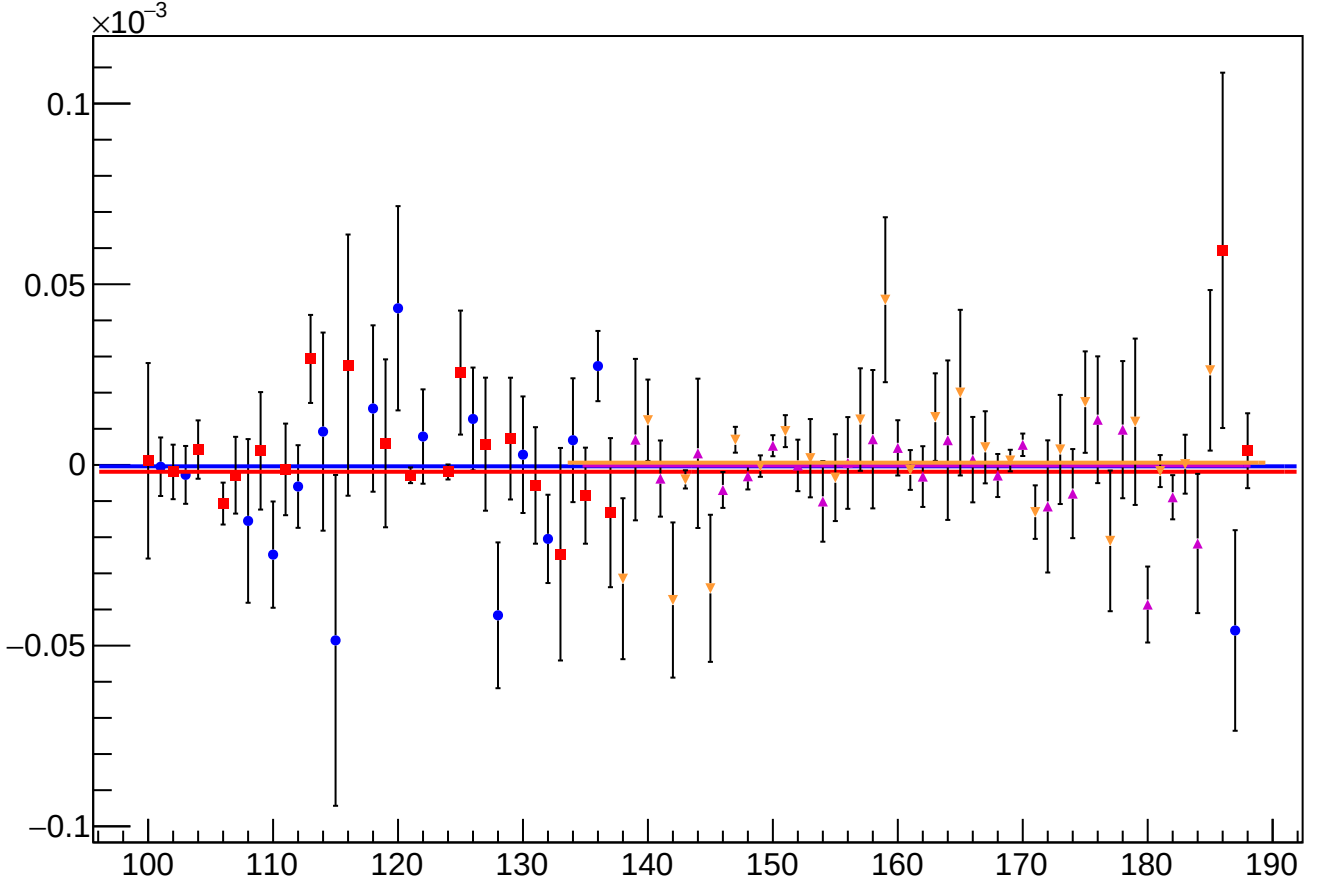
Right Out: 100.764+/-0.028 χ^2/NDF: 2617456.4/20

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 168.798+/-0.029 χ^2/NDF: 16848758.5/41

All: 153.300+/-0.019 χ^2/NDF: 35730694.0/85

- sign 141.839+/-0.025 χ^2/NDF: 18372157.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.7/20

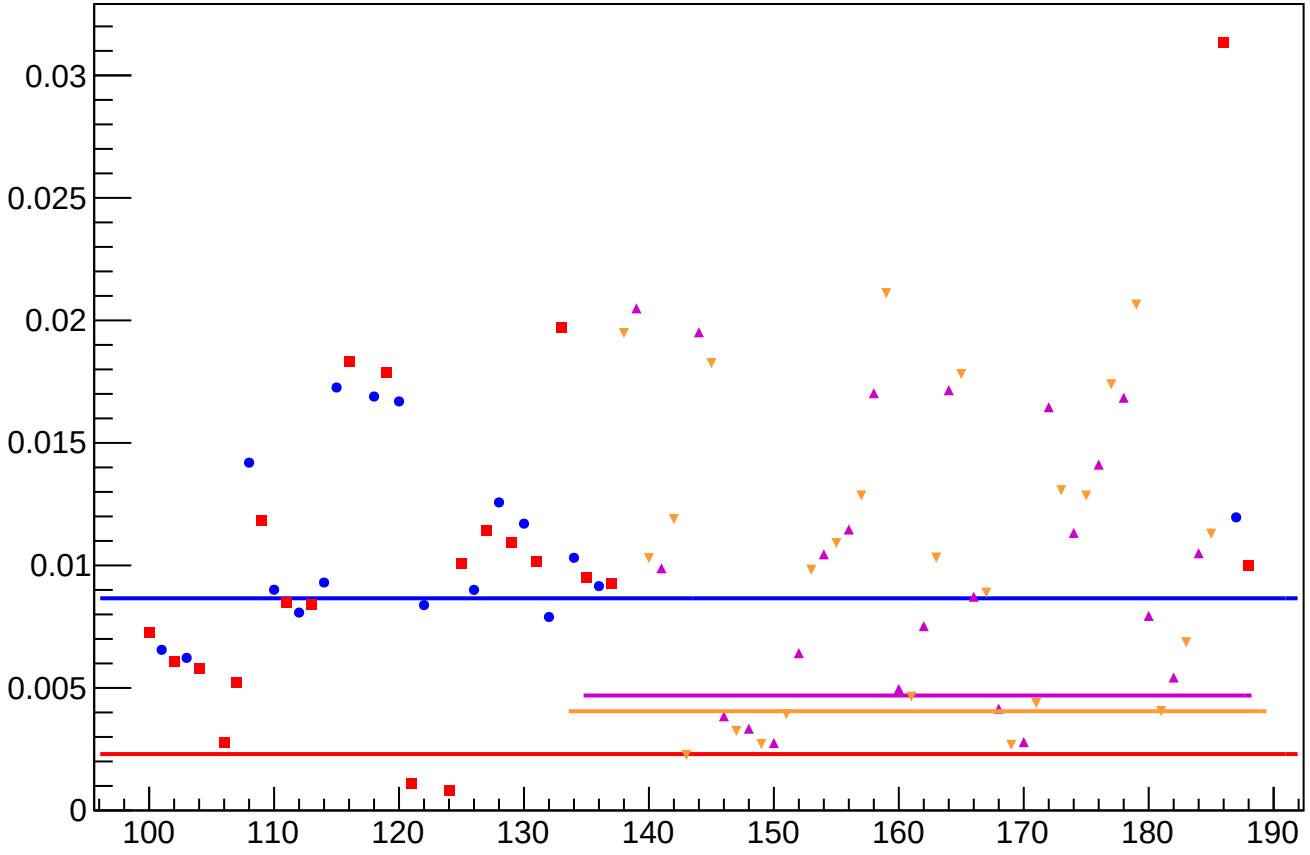
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.5/41

All: -0.000+/-0.000 χ^2/NDF: 110.0/85

- sign -0.000+/-0.000 χ^2/NDF: 47.3/43

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1143021.7/16

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

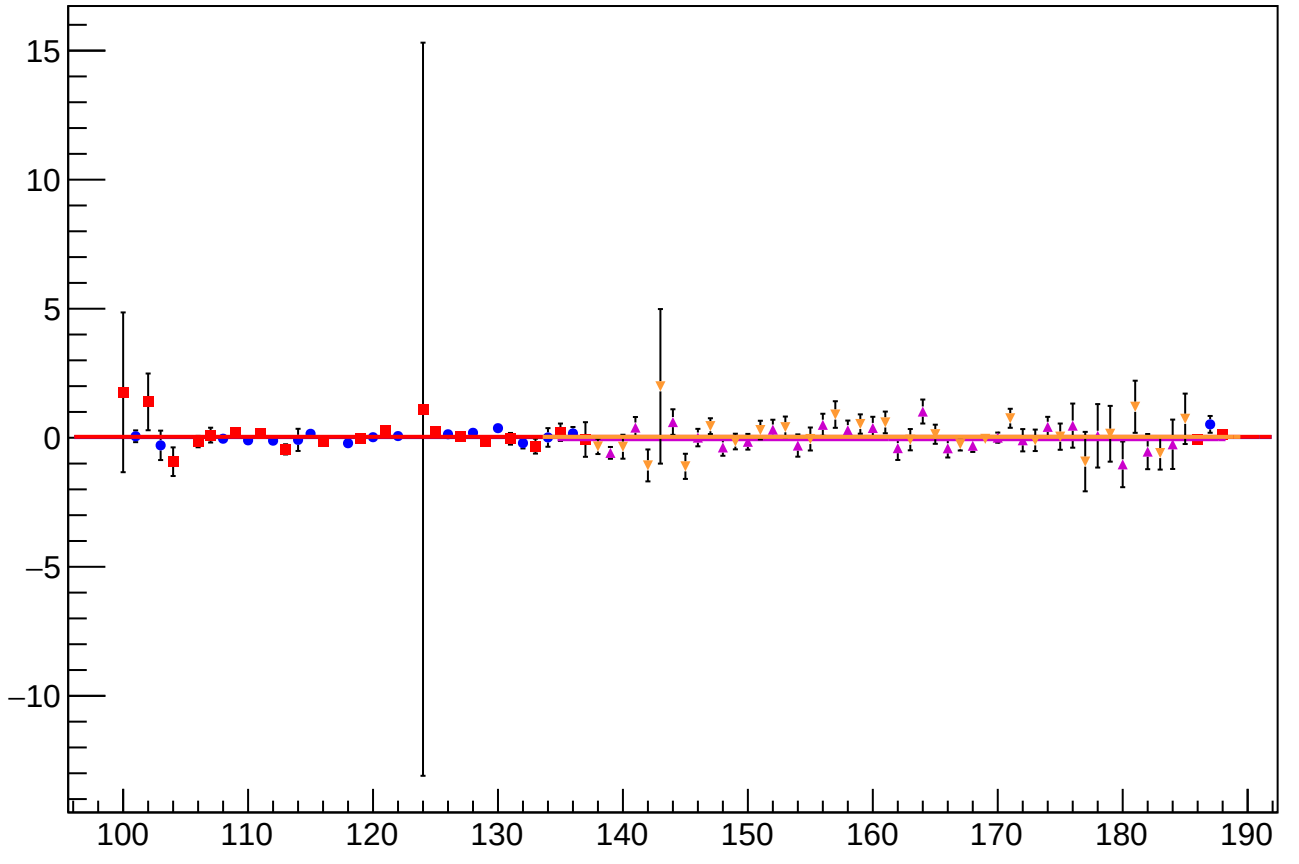
Right Out: 0.002+/-0.000 χ^2/NDF: 10916956.5/20

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 18056549.3/41

All: 0.004+/-0.000 χ^2/NDF: 44087338.8/85

- sign 0.003+/-0.000 χ^2/NDF: 24850076.5/43



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.036+/-0.039 χ^2/NDF: 23.8/20

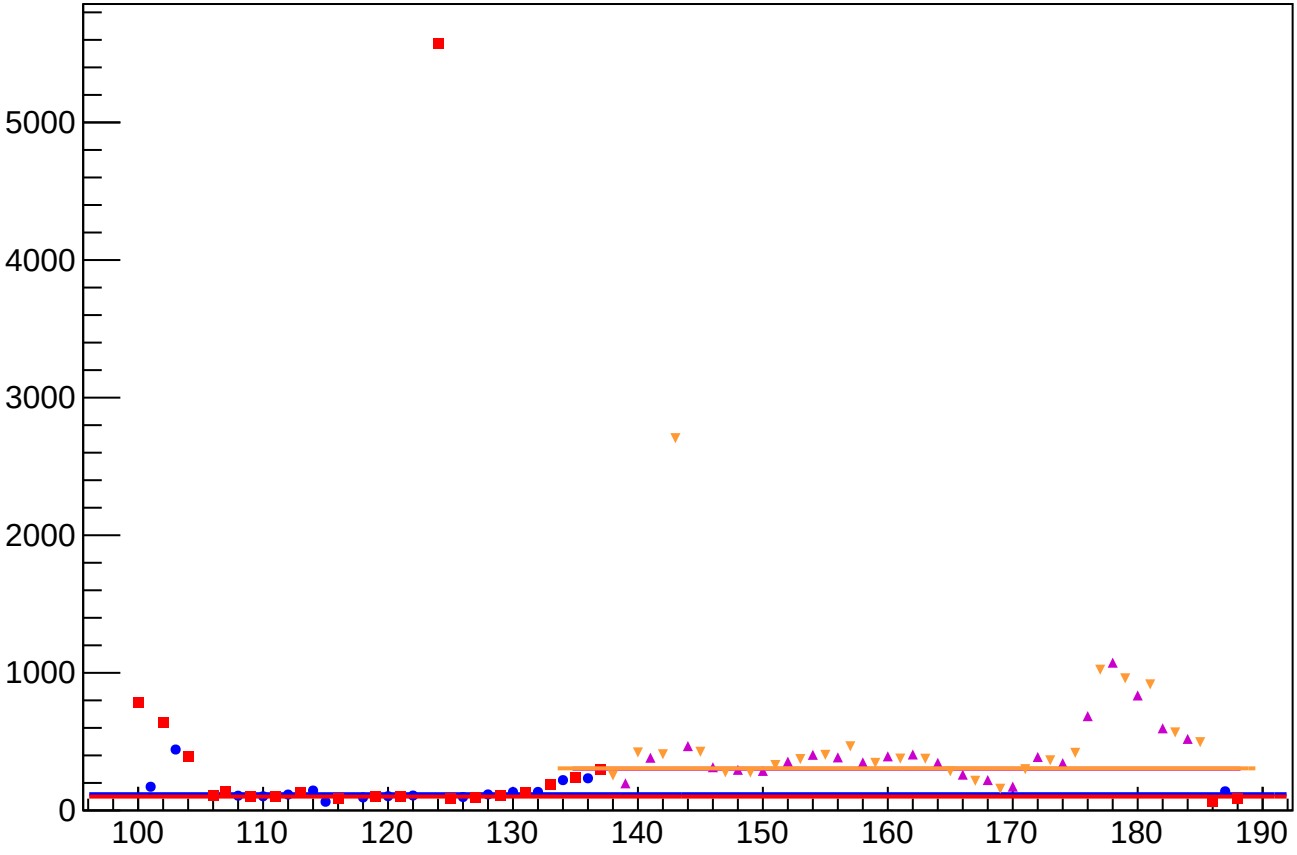
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

\+ sign 0.028+/-0.040 χ^2/NDF: 44.6/41

All: 0.022+/-0.026 χ^2/NDF: 95.7/85

\- sign 0.018+/-0.035 χ^2/NDF: 51.0/43

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 118.105+/-0.034 χ^2/NDF: 1730884.0/16

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

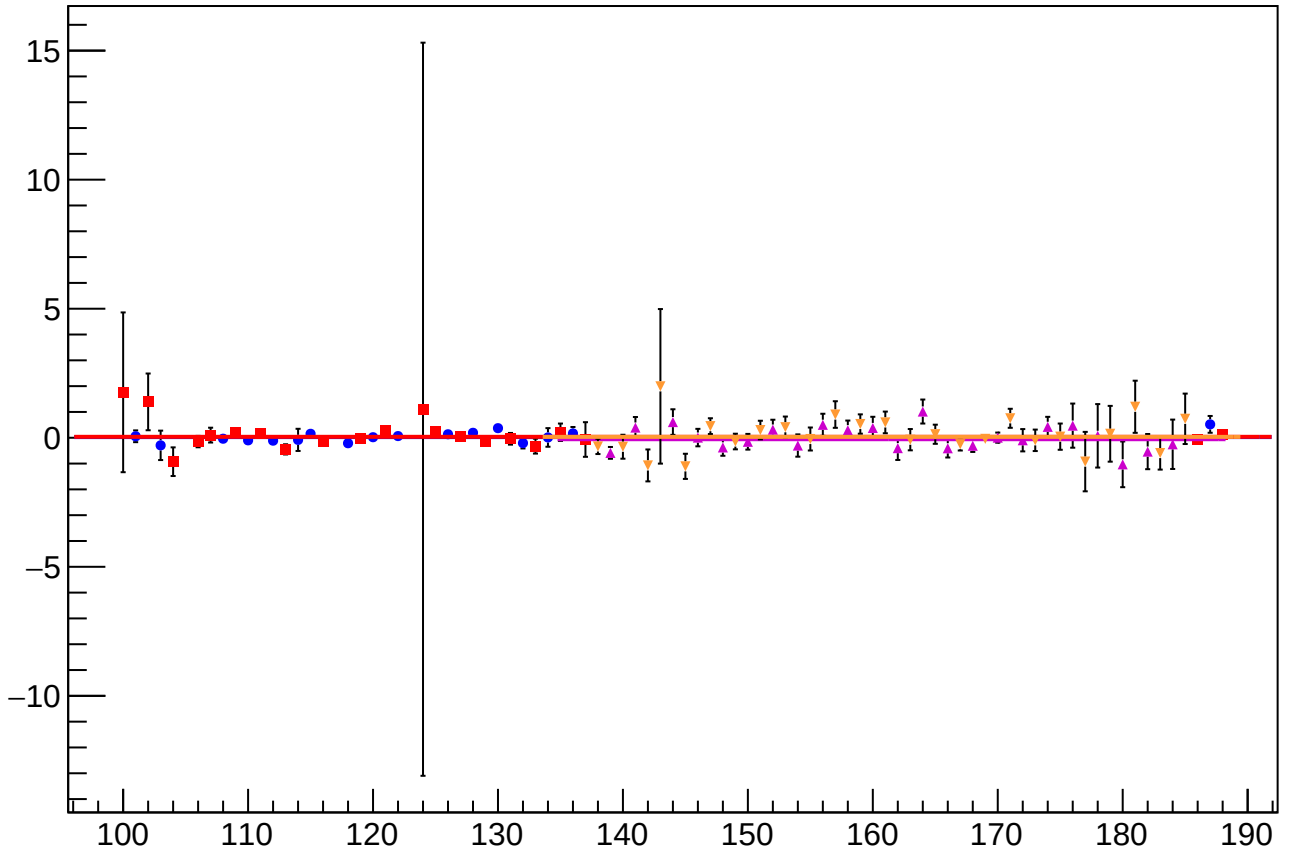
Right Out: 100.765+/-0.028 χ^2/NDF: 2617335.5/20

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 168.798+/-0.029 χ^2/NDF: 16848869.0/41

All: 153.301+/-0.019 χ^2/NDF: 35730588.8/85

- sign 141.841+/-0.025 χ^2/NDF: 18371998.5/43



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

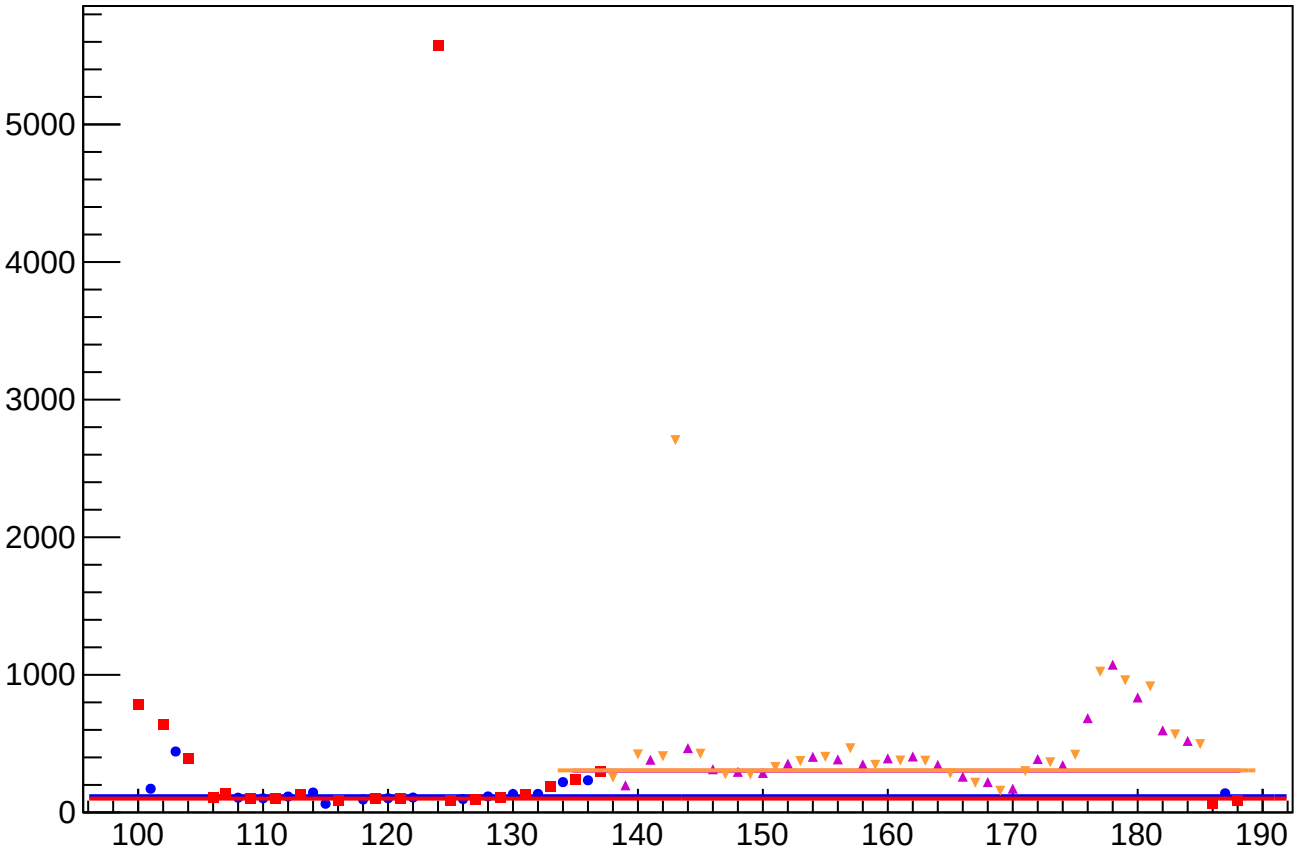
Right Out: 0.036+/-0.039 χ^2/NDF: 23.8/20

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.028+/-0.040 χ^2/NDF: 44.6/41

All: 0.022+/-0.026 χ^2/NDF: 95.7/85

- sign 0.018+/-0.035 χ^2/NDF: 51.0/43



Right In: 118.105+/-0.034 χ^2/NDF: 1730884.0/16

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

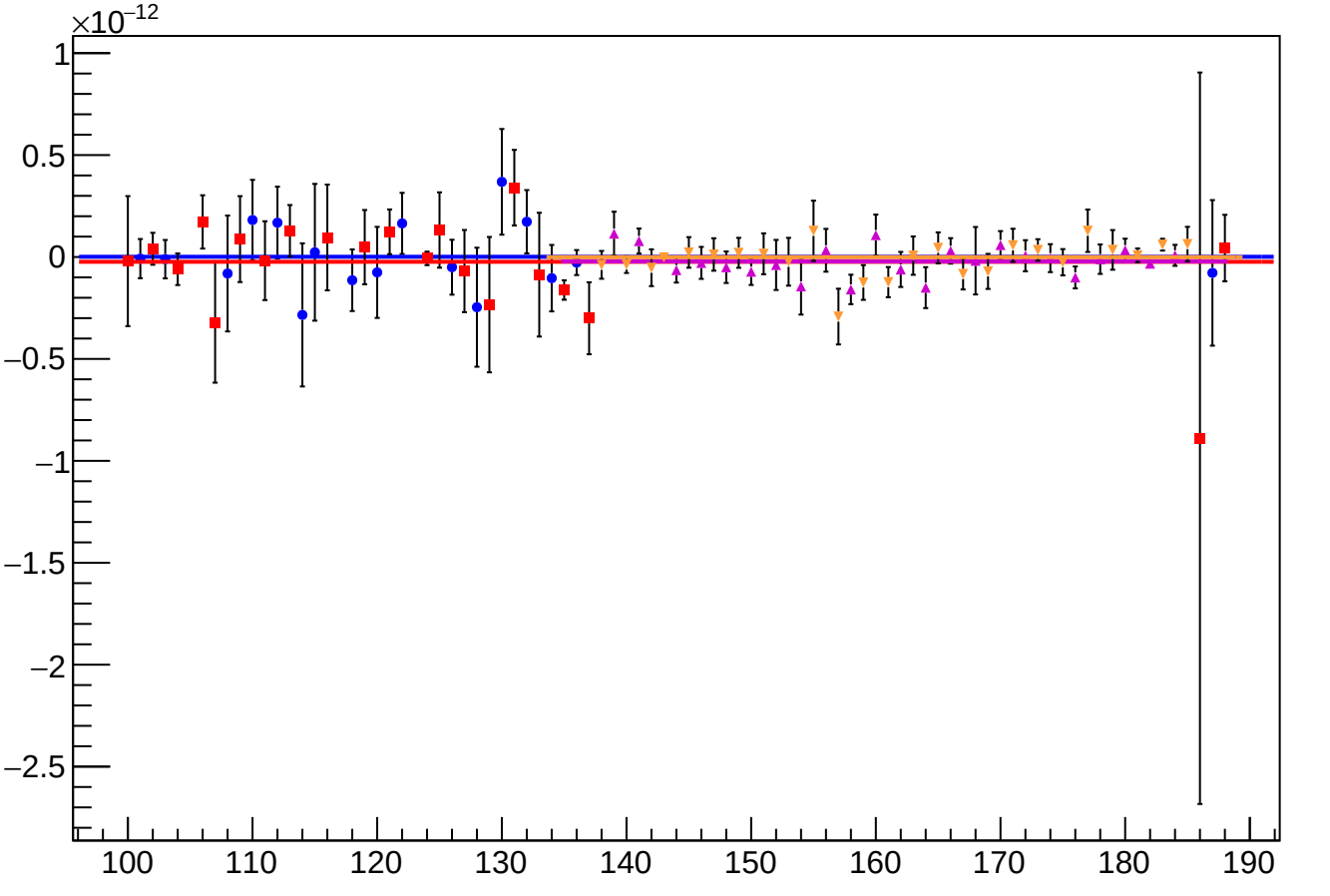
Right Out: 100.765+/-0.028 χ^2/NDF: 2617335.5/20

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 168.798+/-0.029 χ^2/NDF: 16848869.0/41

All: 153.301+/-0.019 χ^2/NDF: 35730588.8/85

- sign 141.841+/-0.025 χ^2/NDF: 18371998.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 9.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

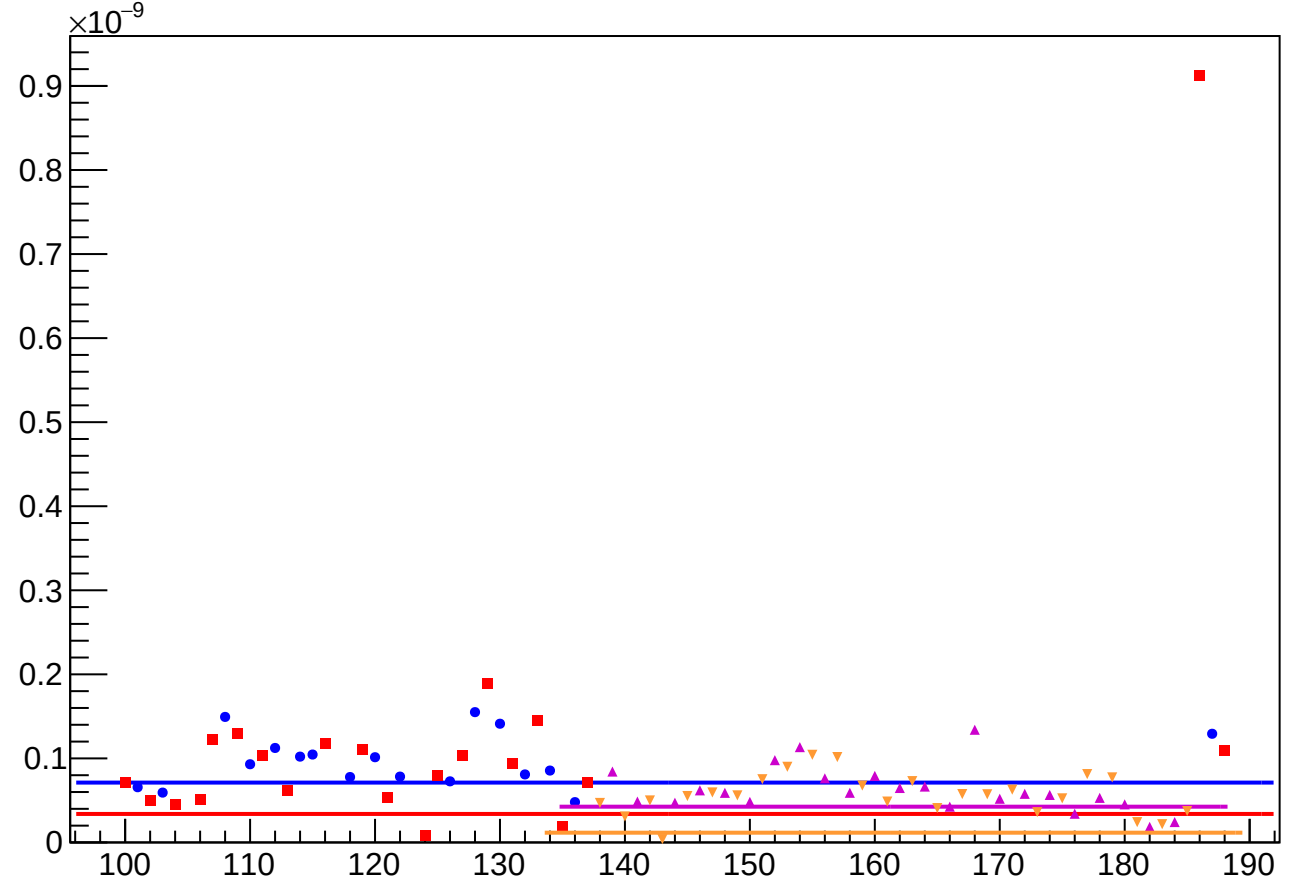
Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/20

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/41

All: -0.000+/-0.000 χ^2/NDF: 78.3/85

- sign -0.000+/-0.000 χ^2/NDF: 44.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 1077123.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5366276.7/20

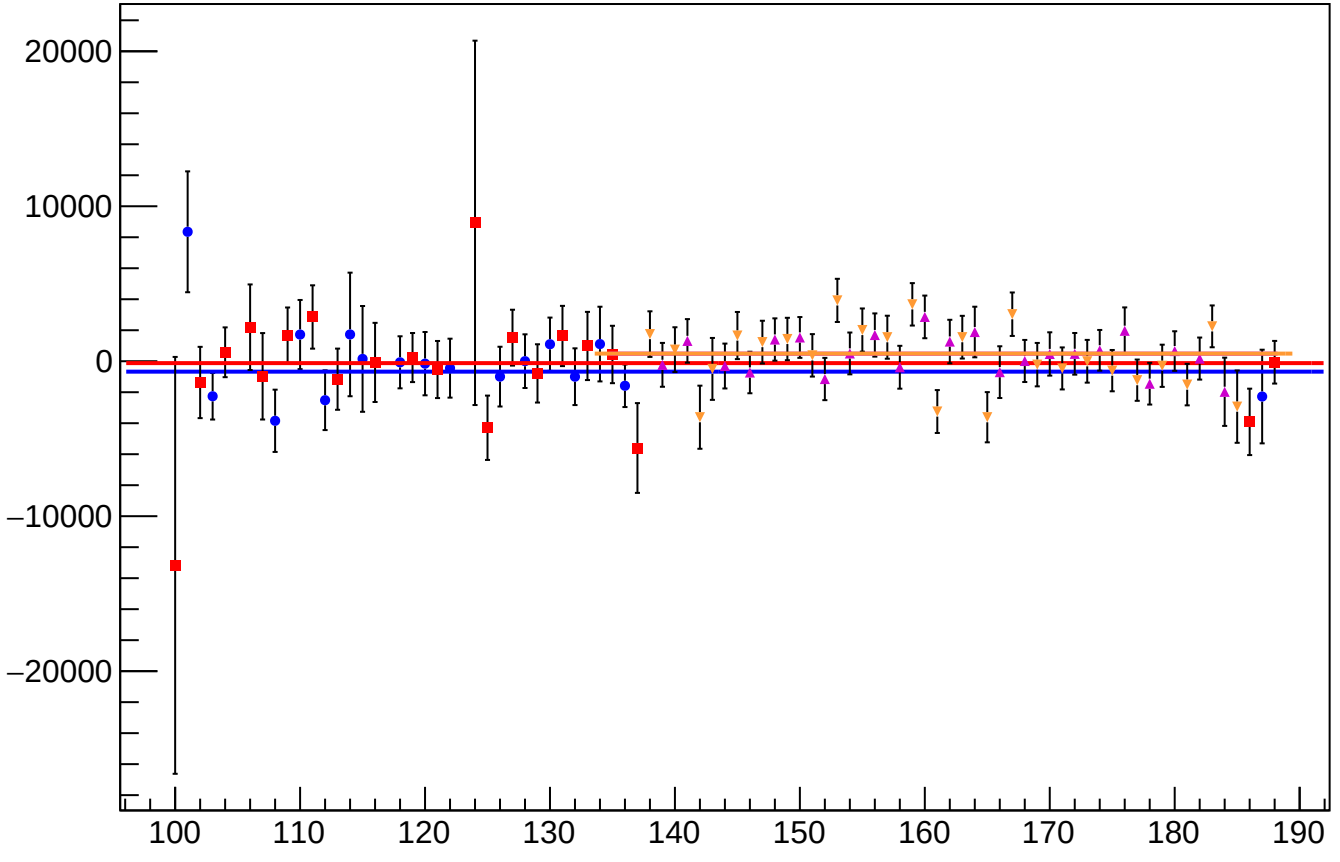
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 24811666.3/41

All: 0.000+/-0.000 χ^2/NDF: 44801711.7/85

- sign 0.000+/-0.000 χ^2/NDF: 11021742.9/43

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -673.024+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -121.728+/-449.522 χ^2/NDF: 19.2/20

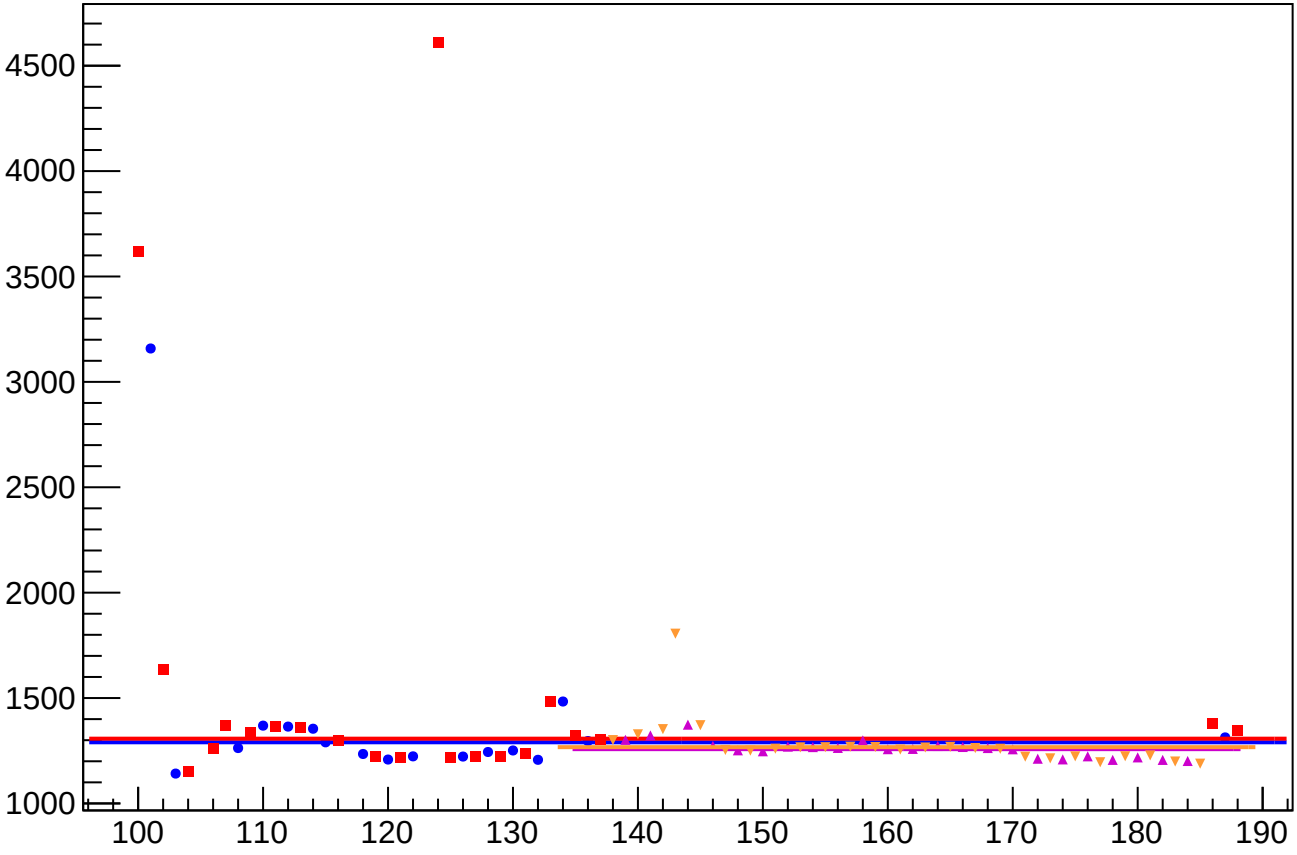
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 185.134+/-247.596 χ^2/NDF: 65.4/41

All: 245.325+/-174.479 χ^2/NDF: 100.4/85

- sign 304.701+/-245.913 χ^2/NDF: 34.9/43

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514795.6/16

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

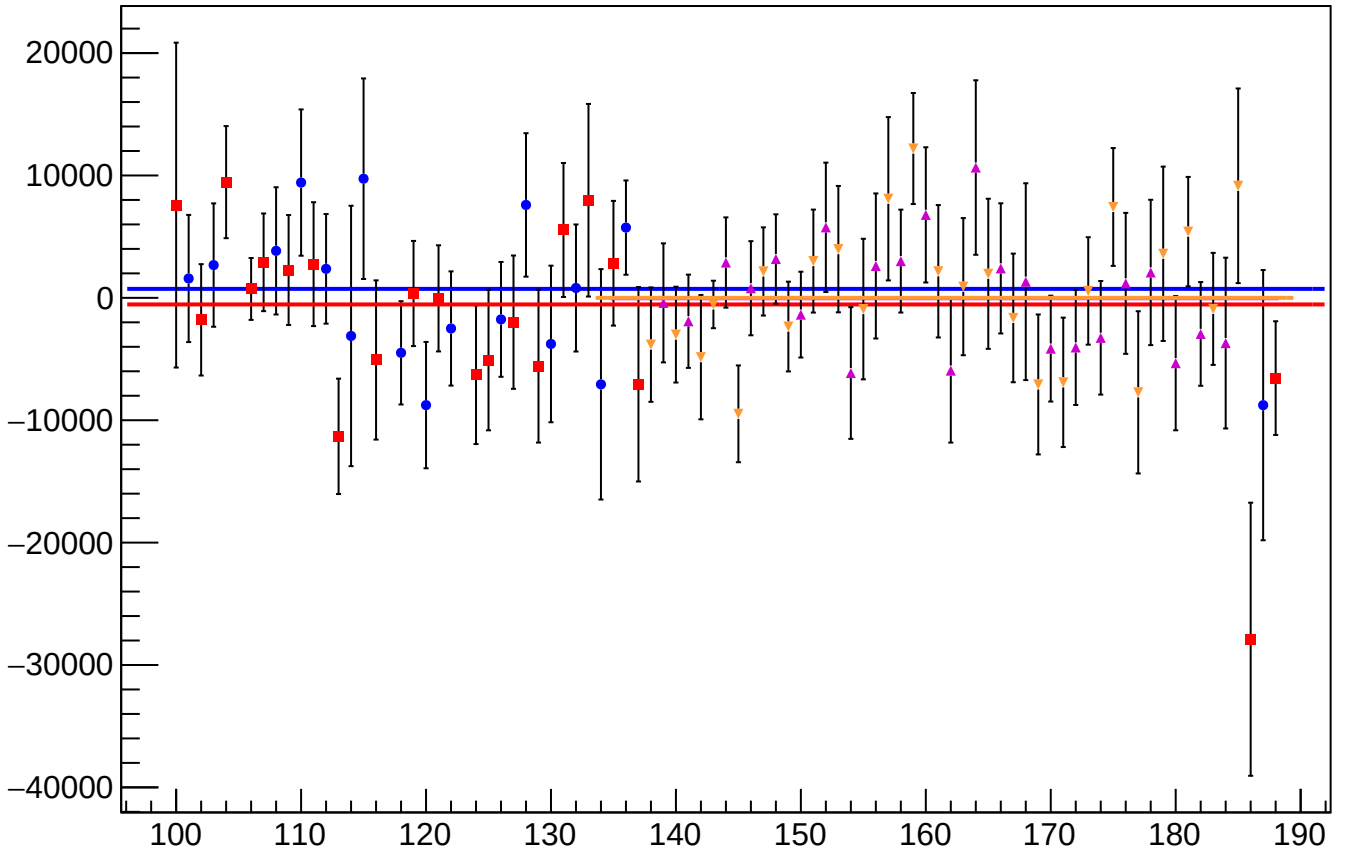
Right Out: 1307.259+/-0.317 χ^2/NDF: 323856.3/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705720.4/41

All: 1272.762+/-0.123 χ^2/NDF: 1083588.9/85

- sign 1272.474+/-0.174 χ^2/NDF: 377863.0/43



Right In: 733.408+/-1315.832 χ^2/NDF: 14.8/16

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

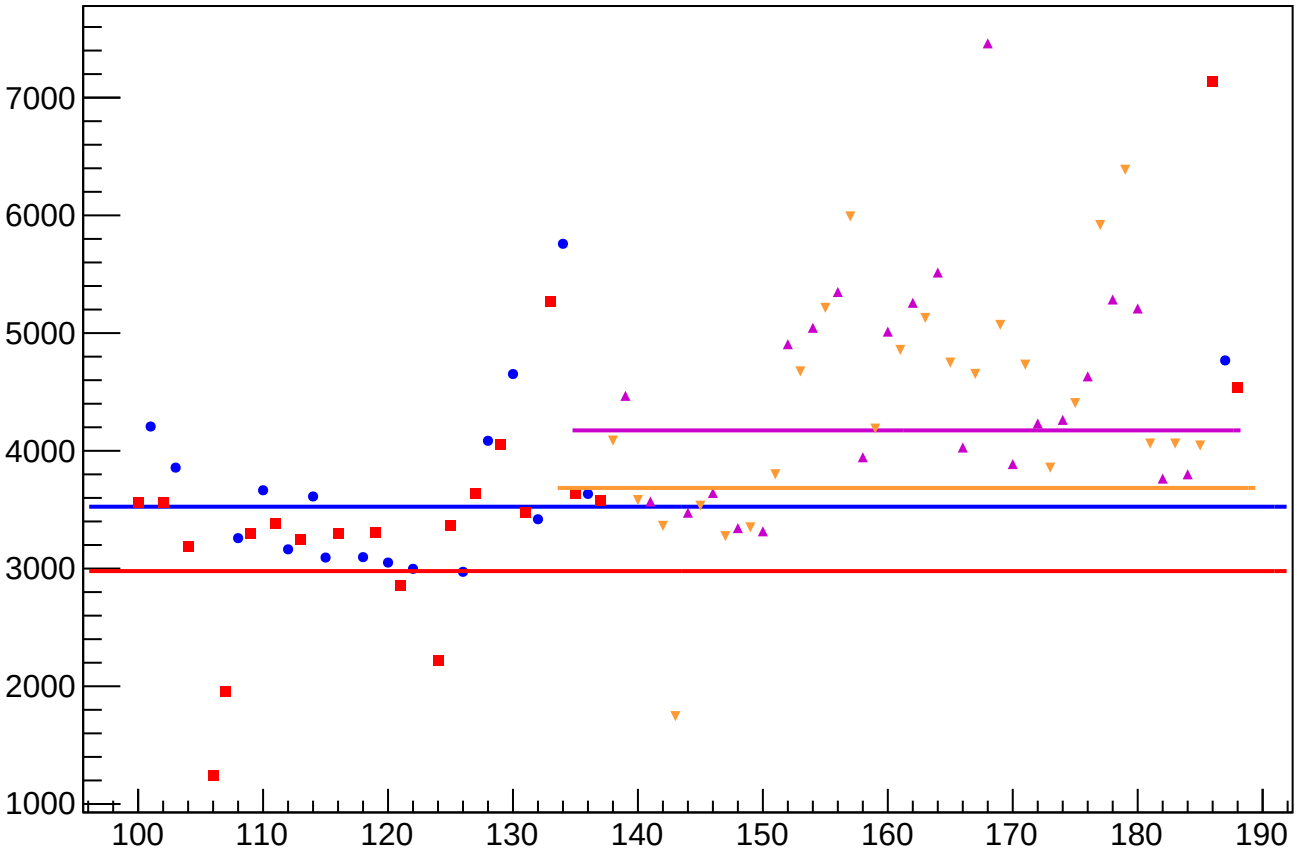
Right Out: -538.329+/-1075.559 χ^2/NDF: 26.4/20

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 228.545+/-735.204 χ^2/NDF: 44.0/41

All: -19.984+/-518.207 χ^2/NDF: 84.8/85

- sign -265.363+/-730.530 χ^2/NDF: 40.5/43



Right In: 3525.301+/-0.930 χ^2/NDF: 379677.5/16

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2978.438+/-0.761 χ^2/NDF: 2031137.2/20

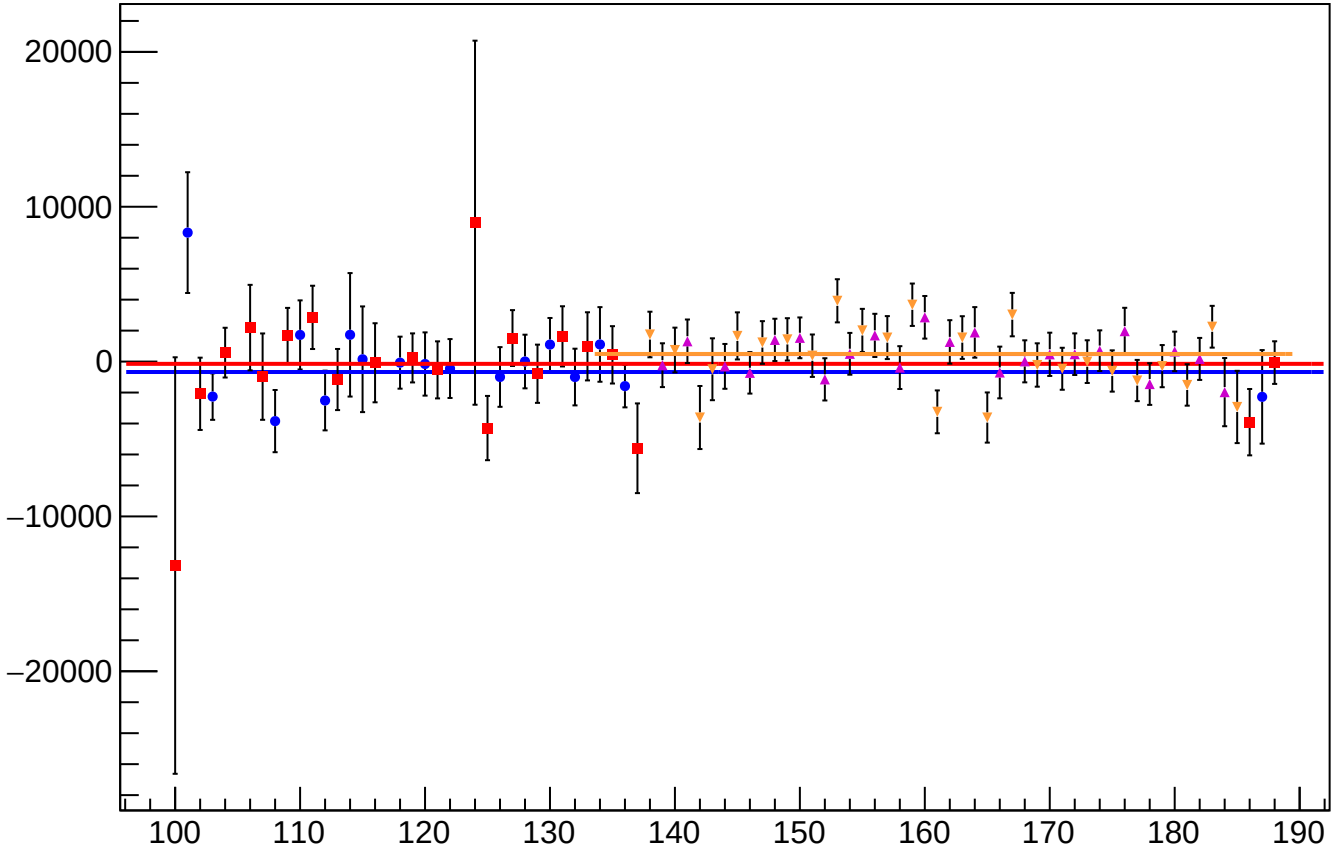
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3634.985+/-0.520 χ^2/NDF: 4093528.4/41

All: 3628.560+/-0.366 χ^2/NDF: 8730114.9/85

- sign 3622.217+/-0.517 χ^2/NDF: 4636283.0/43

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -146.579+/-449.775 χ^2/NDF: 19.6/20

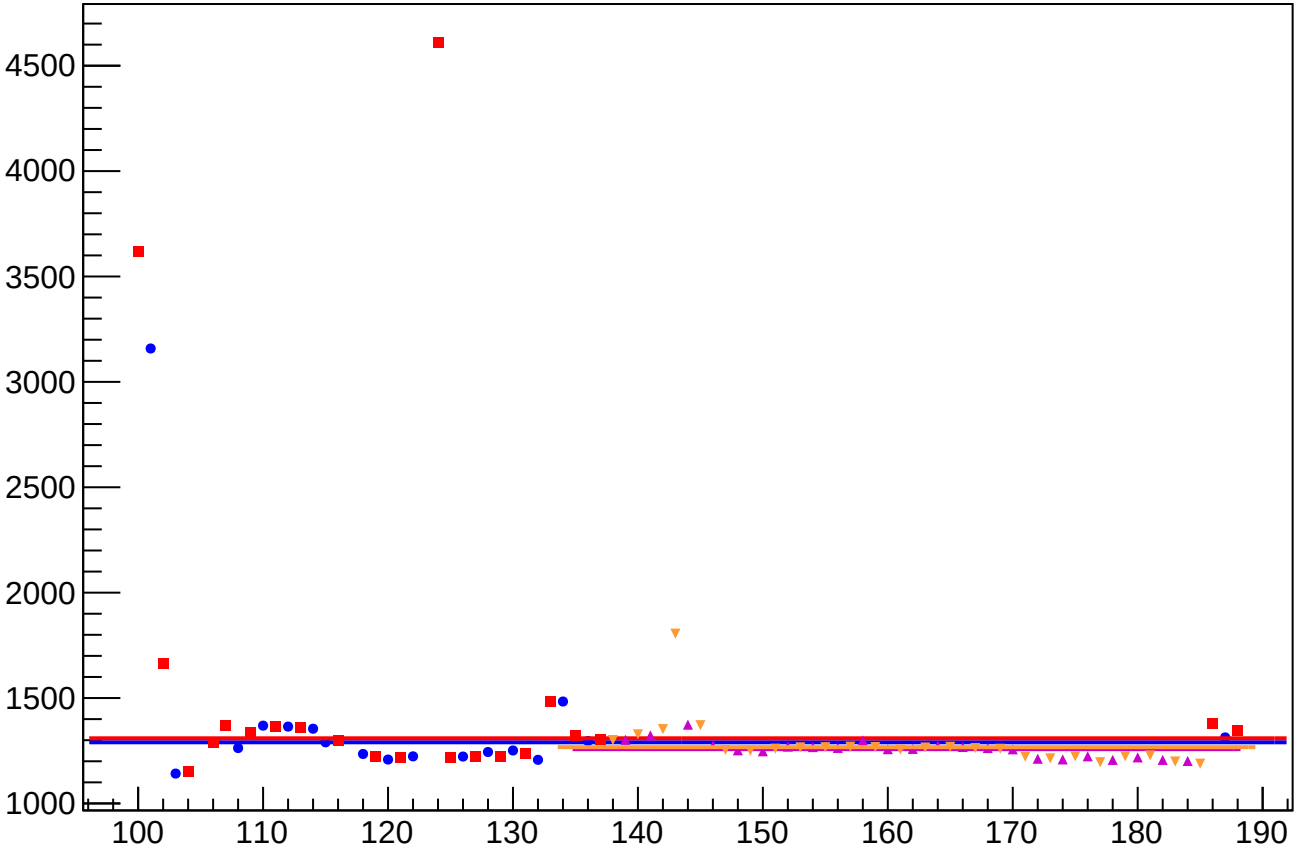
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 185.046+/-247.596 χ^2/NDF: 65.4/41

All: 241.568+/-174.493 χ^2/NDF: 100.8/85

- sign 297.343+/-245.954 χ^2/NDF: 35.4/43

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

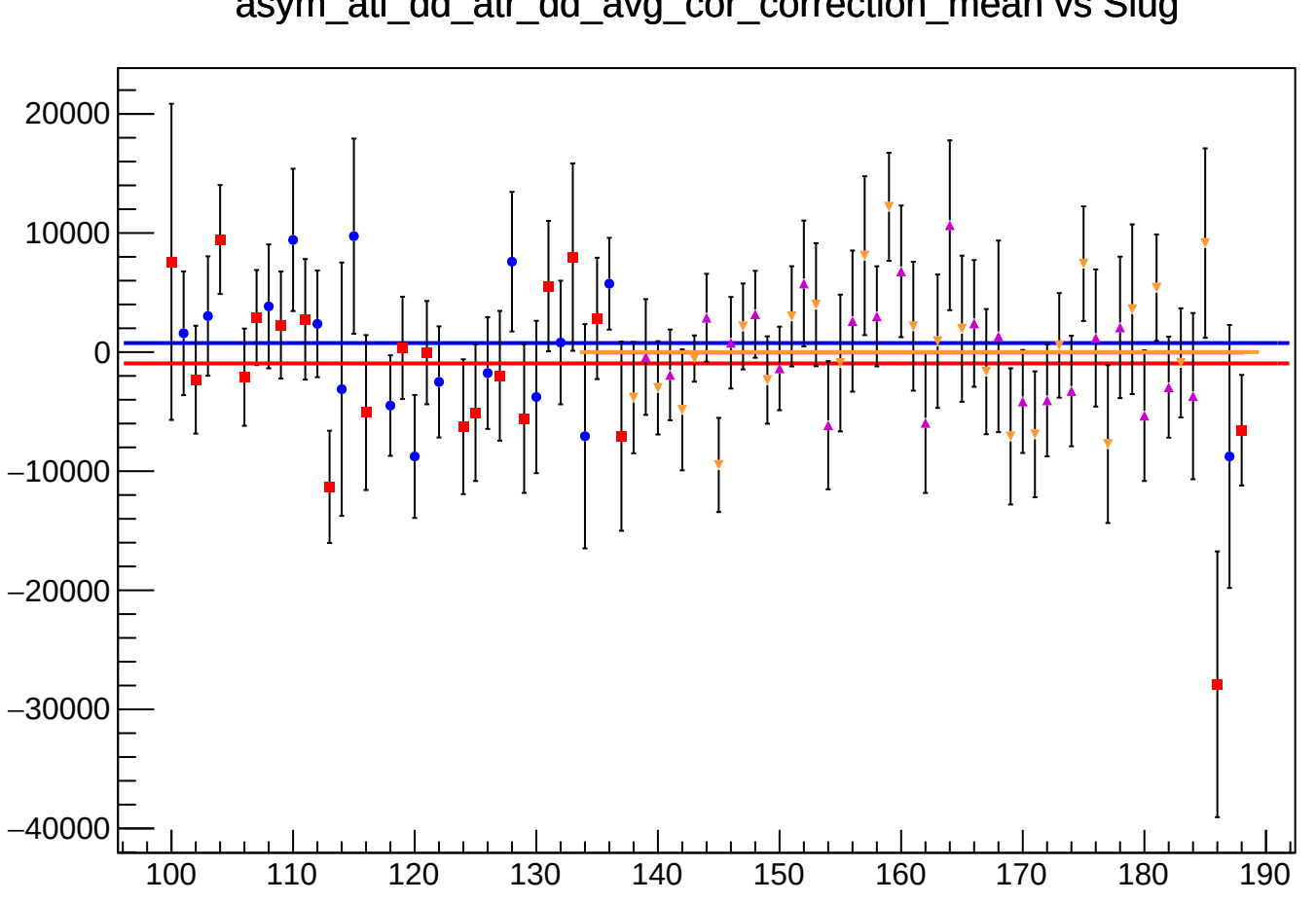
Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705721.8/41

All: 1273.012+/-0.123 χ^2/NDF: 1091022.6/85

- sign 1272.971+/-0.174 χ^2/NDF: 385300.7/43



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

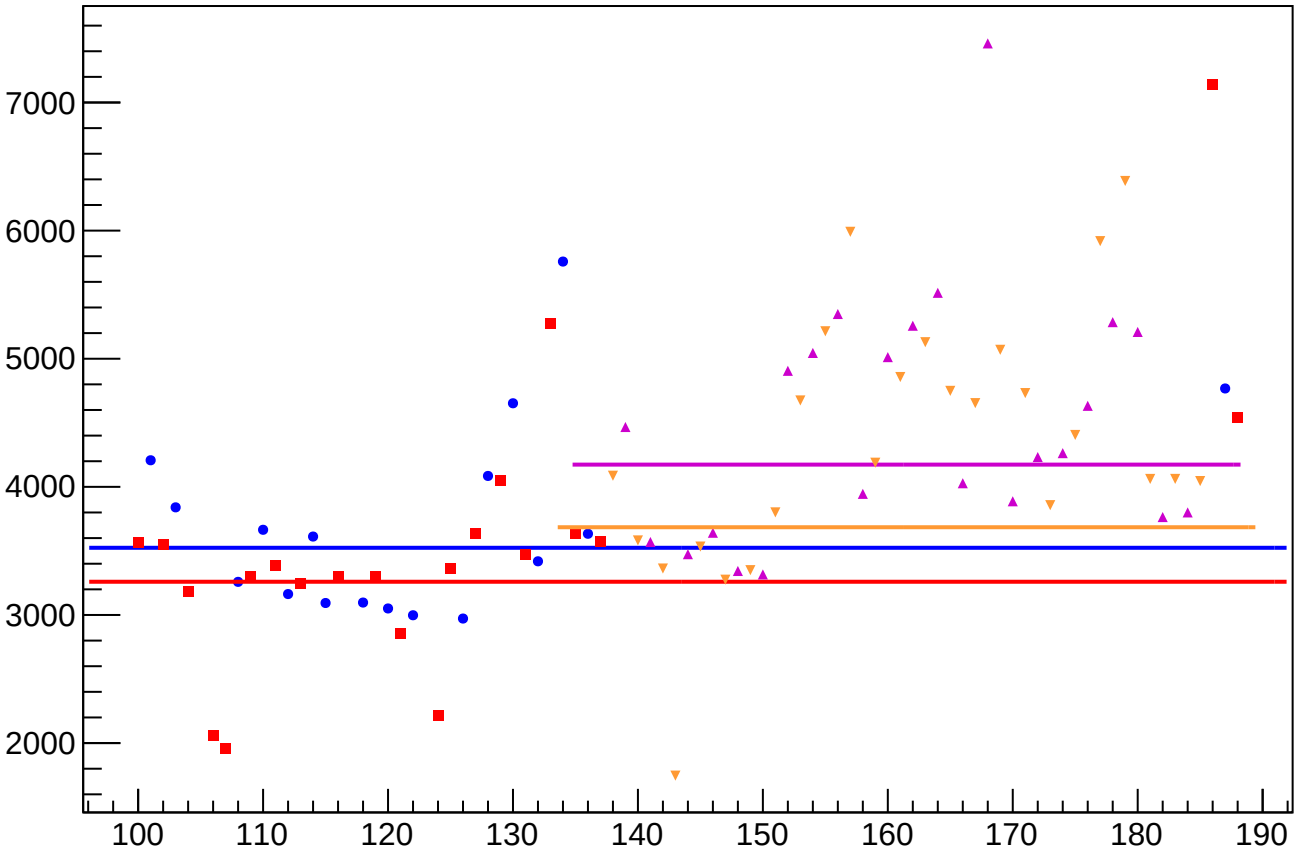
Right Out: -950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 236.645+/-735.126 χ^2/NDF: 44.1/41

All: -89.521+/-524.970 χ^2/NDF: 85.2/85

- sign -428.959+/-749.934 χ^2/NDF: 40.6/43



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

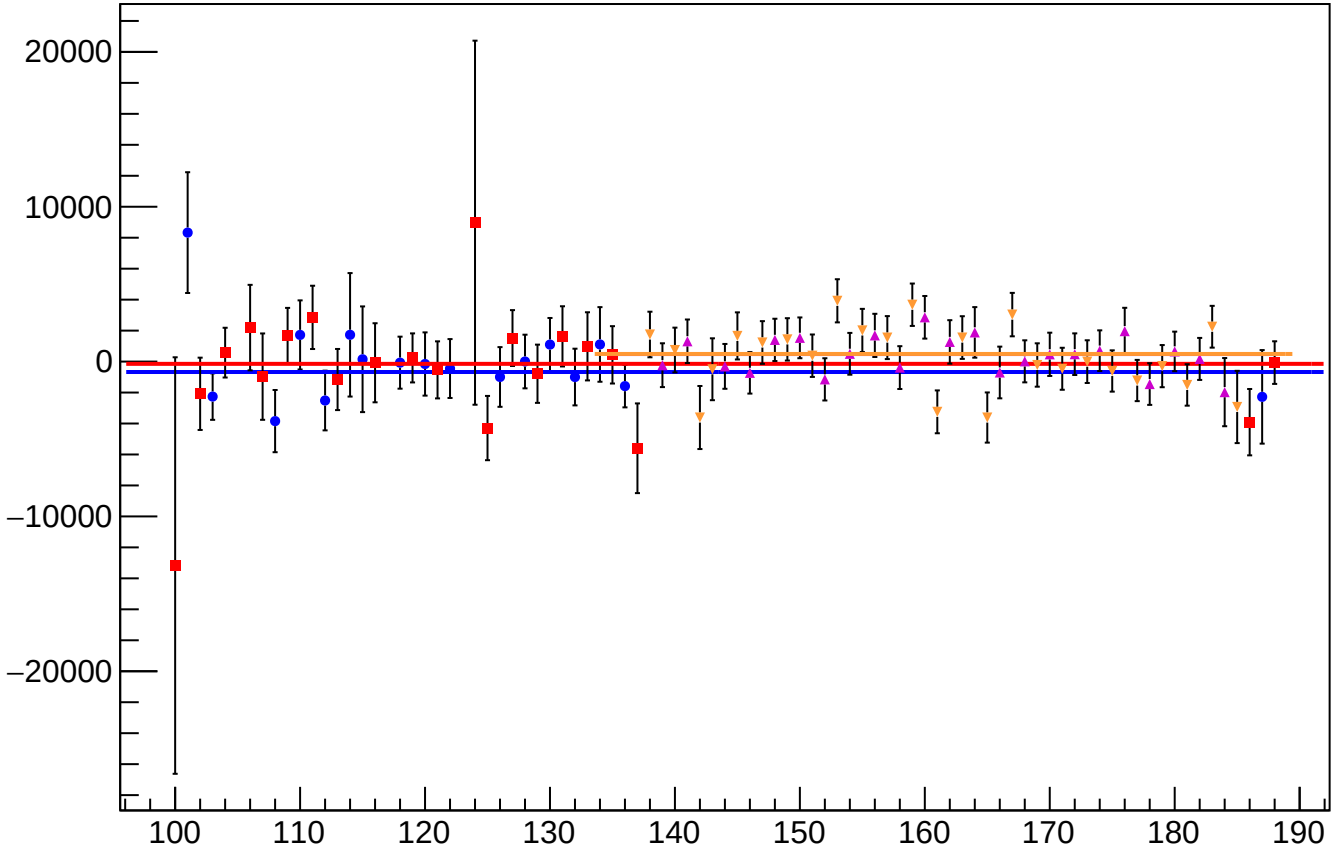
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3634.672+/-0.520 χ^2/NDF: 4093105.6/41

All: 3705.053+/-0.371 χ^2/NDF: 7201366.5/85

- sign 3778.298+/-0.530 χ^2/NDF: 3070850.5/43

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -146.579+/-449.775 χ^2/NDF: 19.6/20

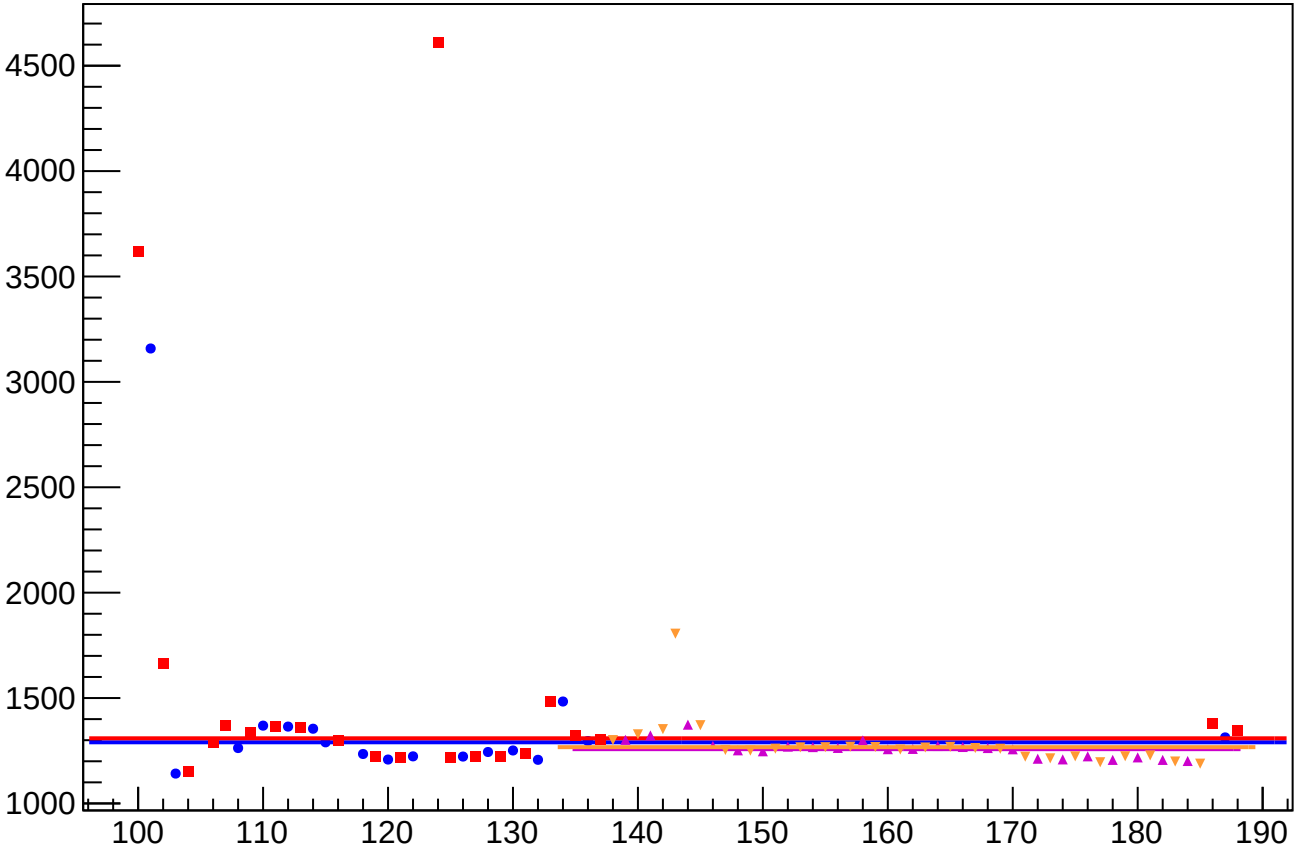
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 185.046+/-247.596 χ^2/NDF: 65.4/41

All: 241.568+/-174.493 χ^2/NDF: 100.8/85

- sign 297.343+/-245.954 χ^2/NDF: 35.4/43

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

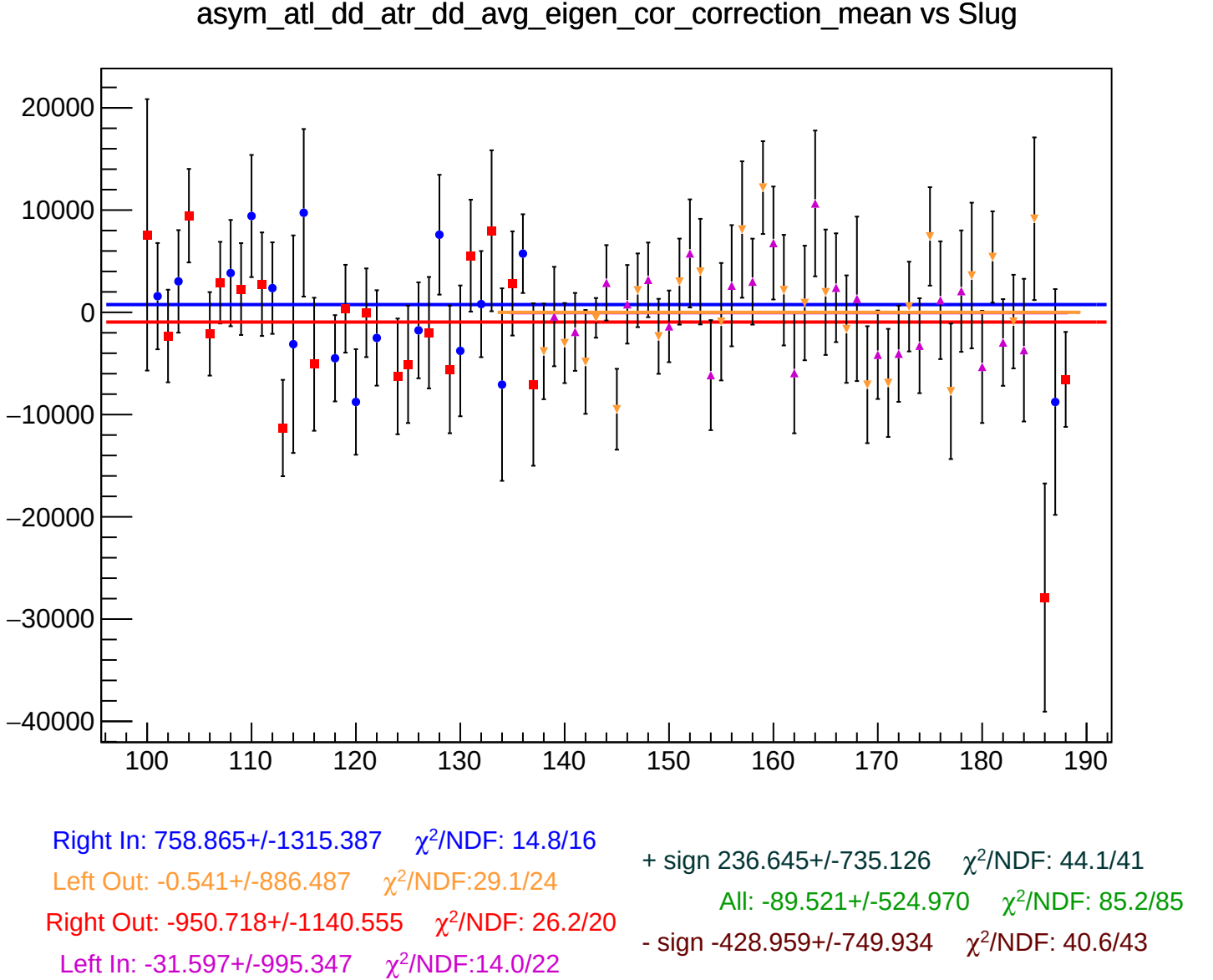
Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

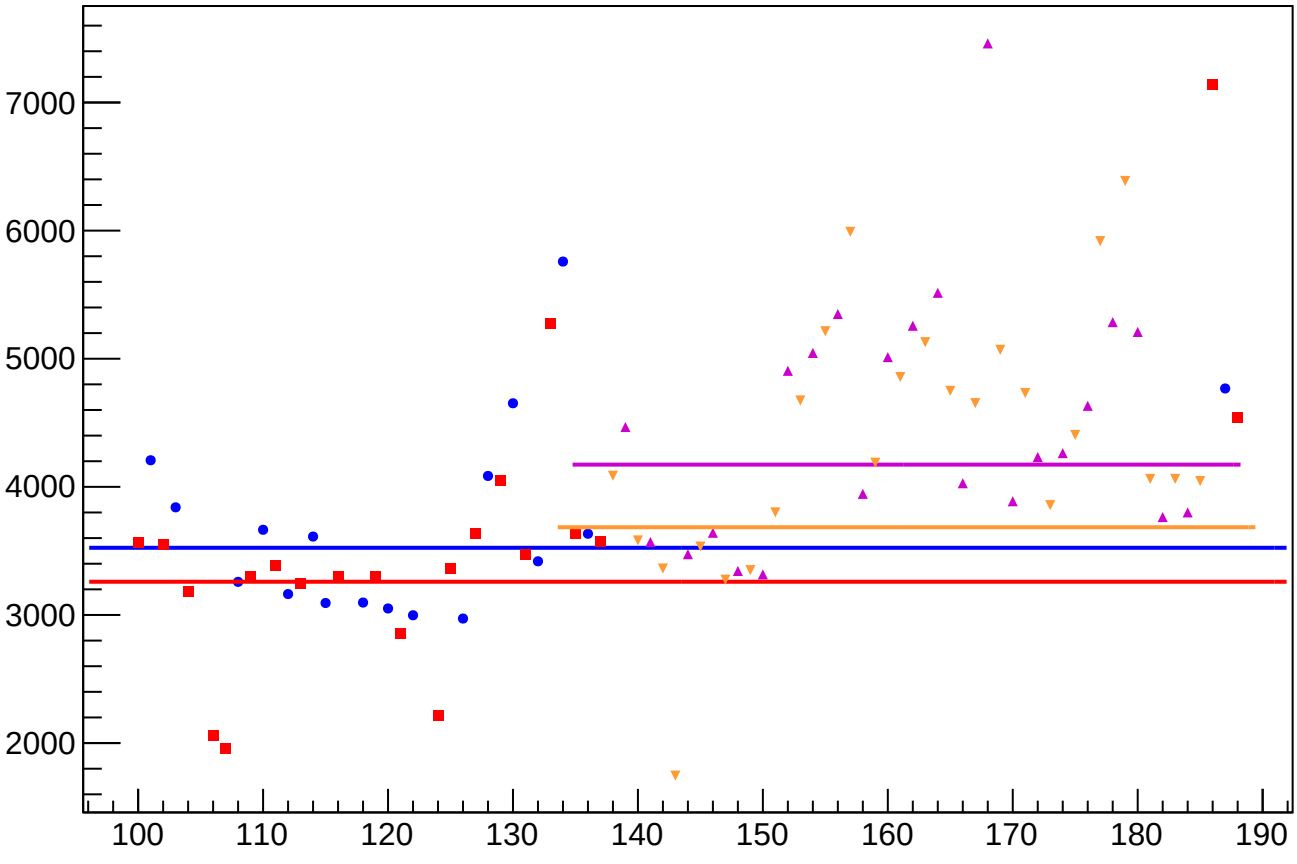
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705721.8/41

All: 1273.012+/-0.123 χ^2/NDF: 1091022.6/85

- sign 1272.971+/-0.174 χ^2/NDF: 385300.7/43


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 758.865+/-1315.387 χ²/NDF: 14.8/16
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -950.718+/-1140.555 χ²/NDF: 26.2/20
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 236.645+/-735.126 χ²/NDF: 44.1/41
All: -89.521+/-524.970 χ²/NDF: 85.2/85
- sign -428.959+/-749.934 χ²/NDF: 40.6/43



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

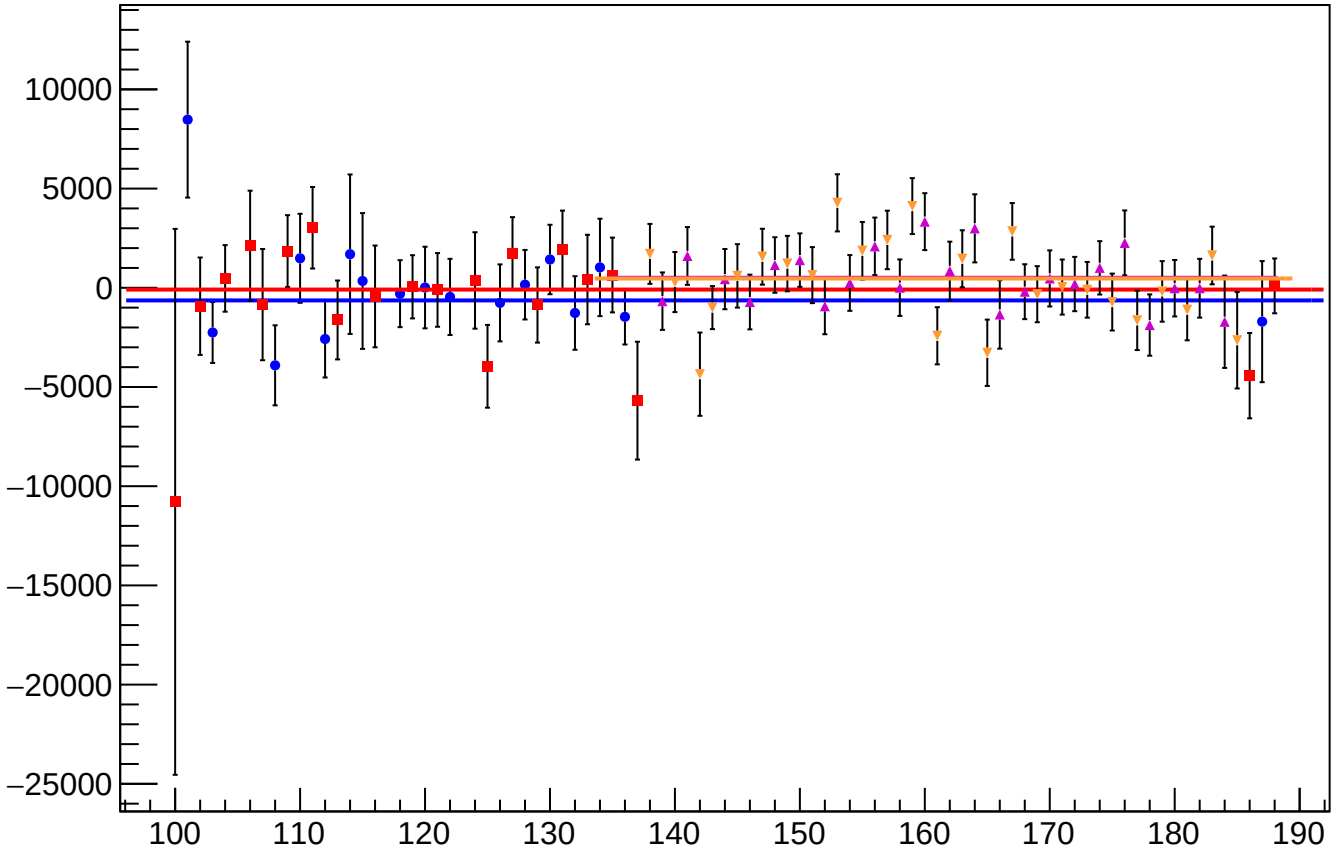
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3634.672+/-0.520 χ^2/NDF: 4093105.6/41

All: 3705.053+/-0.371 χ^2/NDF: 7201366.5/85

- sign 3778.298+/-0.530 χ^2/NDF: 3070850.5/43

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -635.897+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -89.620+/-448.080 χ^2/NDF: 19.1/20

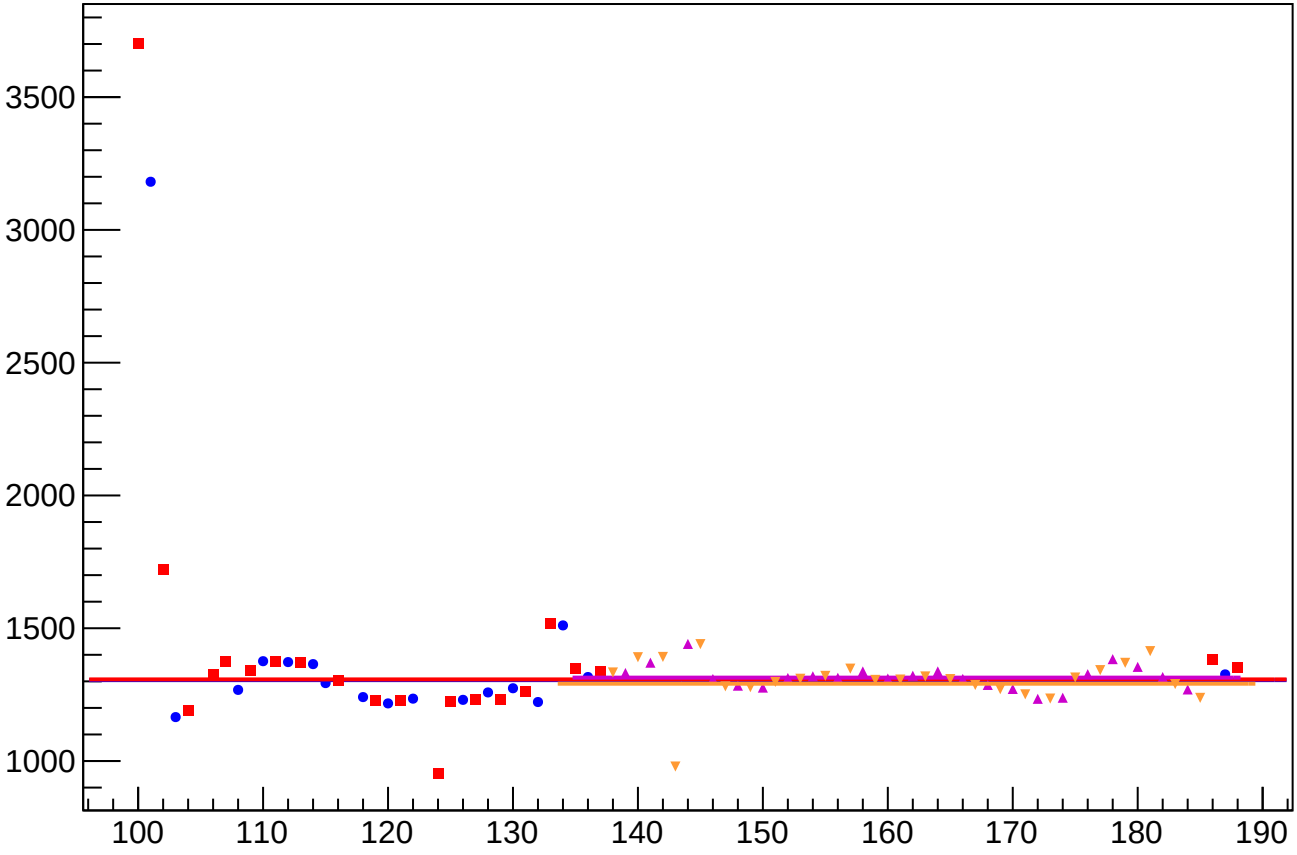
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 173.449+/-251.967 χ^2/NDF: 62.1/41

All: 243.363+/-178.633 χ^2/NDF: 100.0/85

- sign 314.014+/-253.290 χ^2/NDF: 37.7/43

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.0/16

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

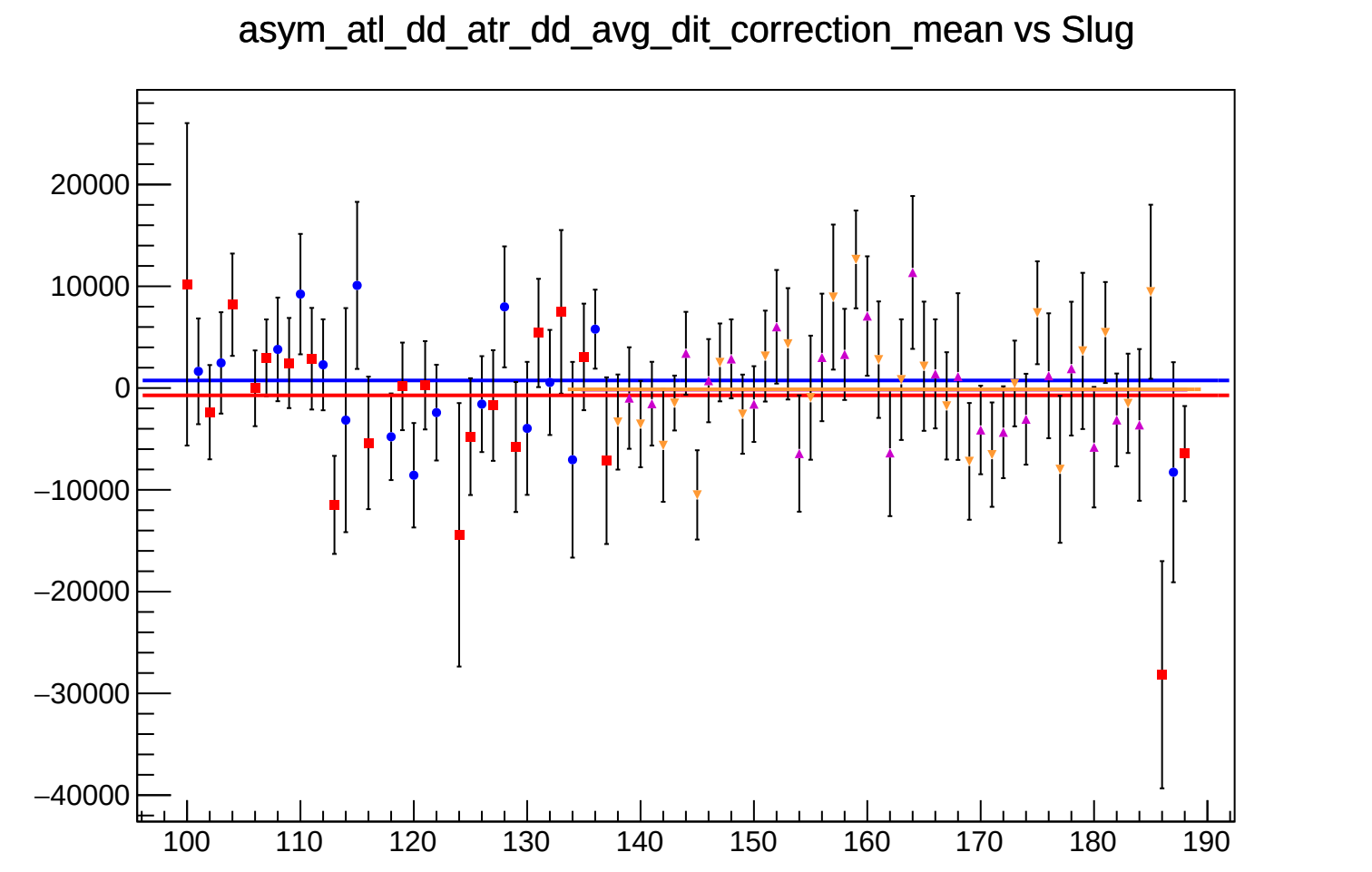
Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.3/20

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.801+/-0.178 χ^2/NDF: 742543.2/41

All: 1303.292+/-0.126 χ^2/NDF: 1009039.5/85

- sign 1311.869+/-0.179 χ^2/NDF: 261931.0/43



Right In: 748.094+/-1317.505 χ^2/NDF: 14.8/16

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

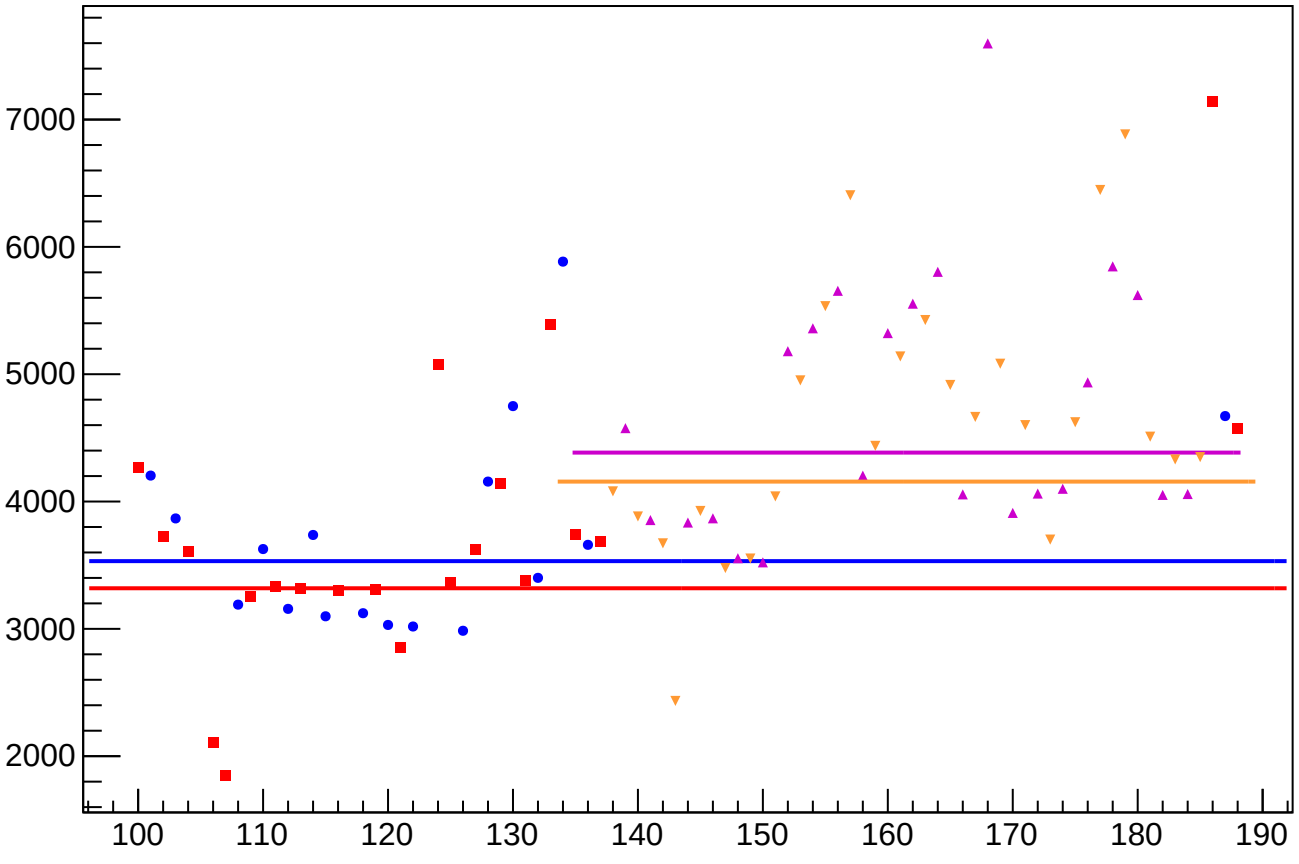
Right Out: -715.172+/-1156.094 χ^2/NDF: 24.7/20

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 183.400+/-784.890 χ^2/NDF: 43.7/41

All: -116.624+/-551.631 χ^2/NDF: 82.6/85

- sign -409.469+/-775.443 χ^2/NDF: 38.6/43



Right In: 3531.921+/-0.932 χ^2/NDF: 397625.9/16

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3318.797+/-0.817 χ^2/NDF: 1172344.7/20

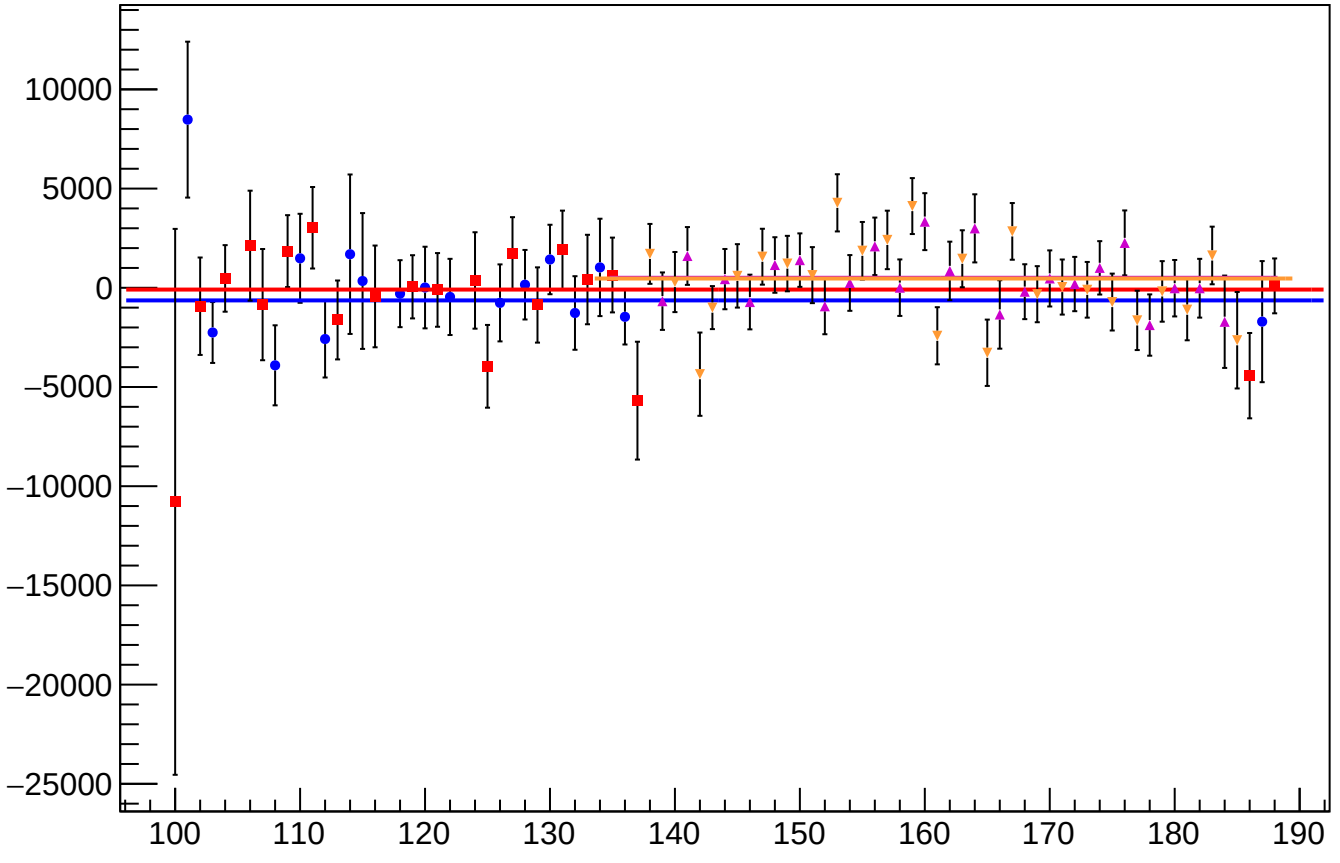
Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3934.886+/-0.555 χ^2/NDF: 2768417.6/41

All: 3919.735+/-0.390 χ^2/NDF: 6132282.9/85

- sign 3904.946+/-0.548 χ^2/NDF: 3362392.6/43

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -635.901+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -89.613+/-448.080 χ^2/NDF: 19.1/20

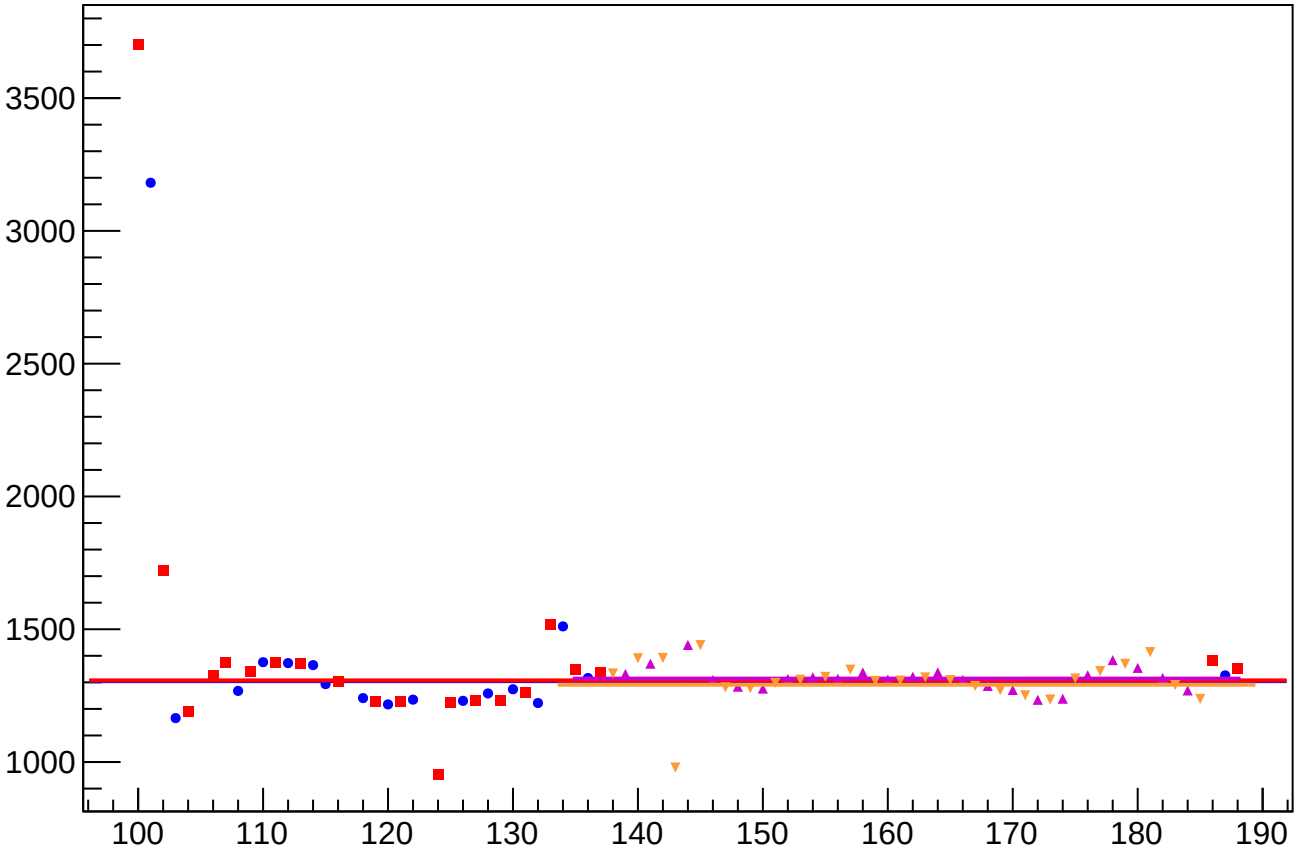
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 173.450+/-251.967 χ^2/NDF: 62.1/41

All: 243.365+/-178.634 χ^2/NDF: 100.0/85

- sign 314.016+/-253.290 χ^2/NDF: 37.7/43

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.2/16

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

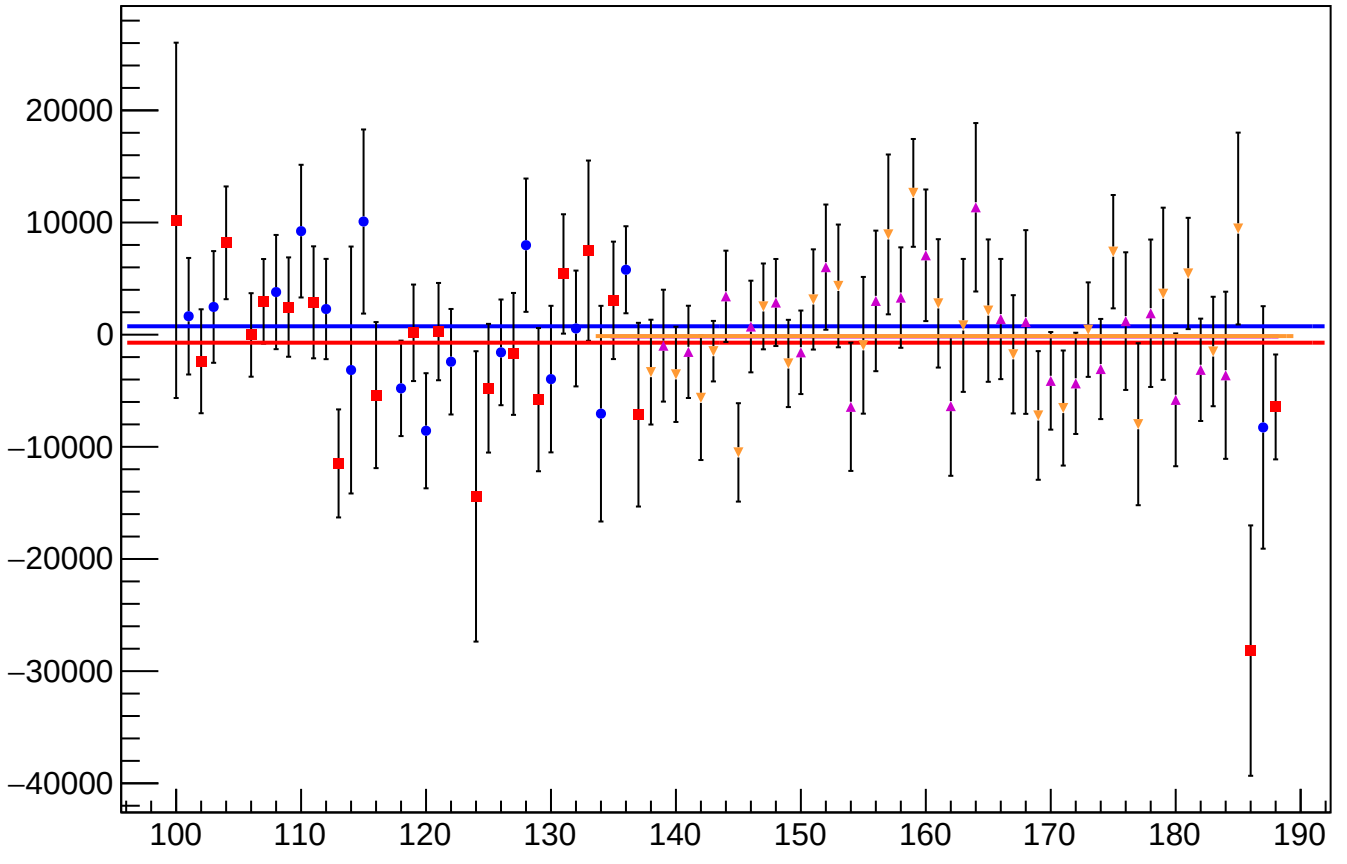
Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.4/20

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.802+/-0.178 χ^2/NDF: 742545.6/41

All: 1303.293+/-0.126 χ^2/NDF: 1009044.2/85

- sign 1311.870+/-0.179 χ^2/NDF: 261933.3/43



Right In: 748.085+/-1317.502 χ^2/NDF: 14.8/16

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

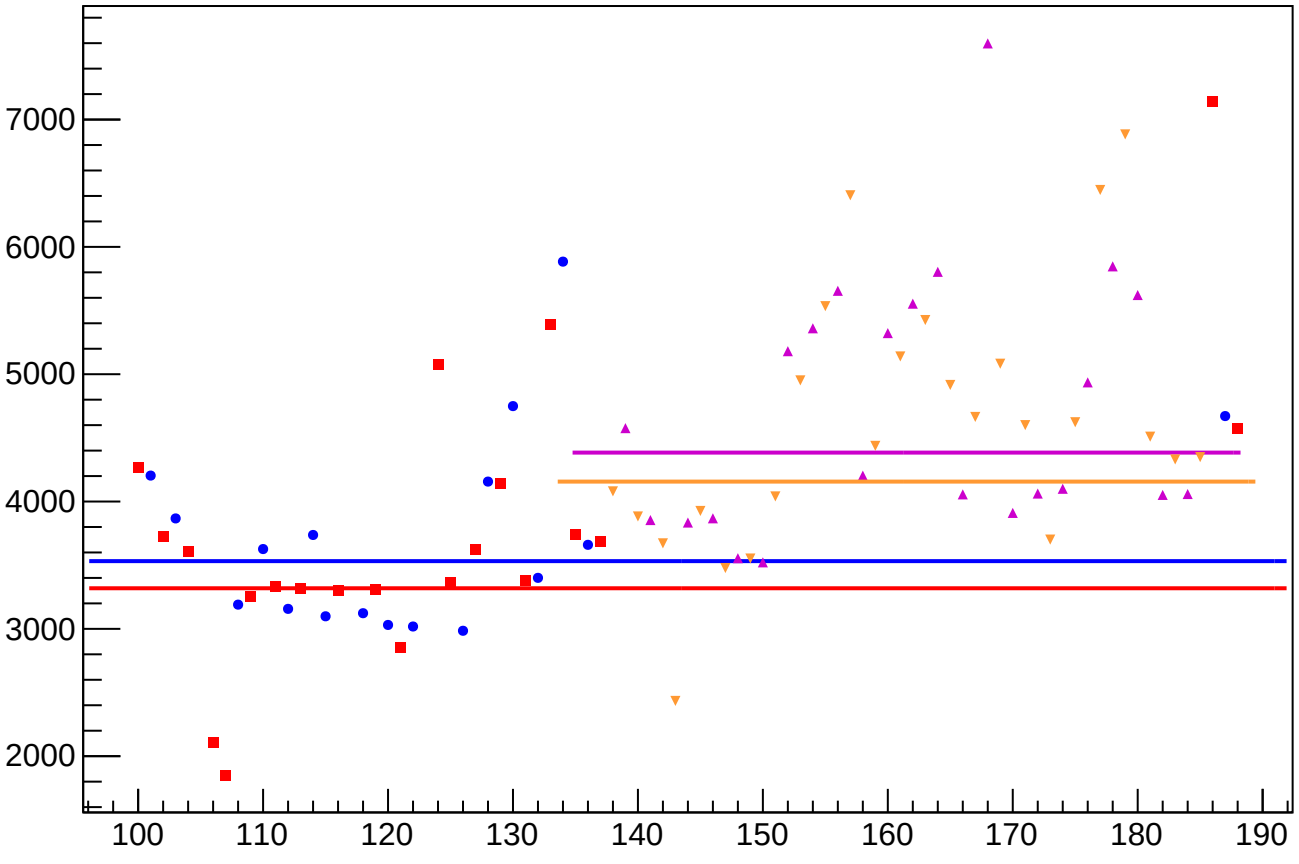
Right Out: -715.165+/-1156.092 χ^2/NDF: 24.7/20

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 183.399+/-784.890 χ^2/NDF: 43.7/41

All: -116.624+/-551.631 χ^2/NDF: 82.6/85

- sign -409.468+/-775.443 χ^2/NDF: 38.6/43



Right In: 3531.912+/-0.932 χ^2/NDF: 397630.7/16

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3318.790+/-0.817 χ^2/NDF: 1172350.5/20

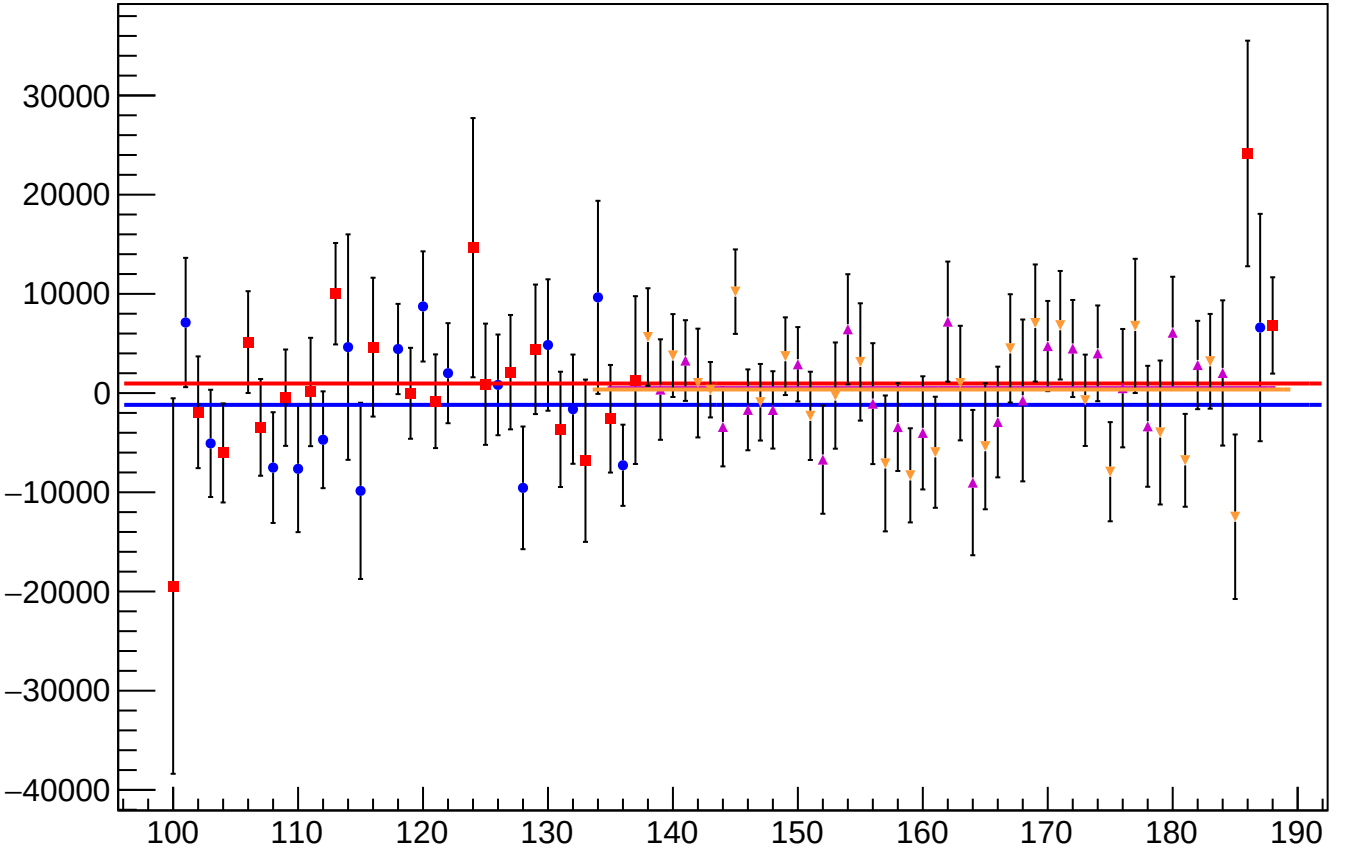
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3934.886+/-0.555 χ^2/NDF: 2768440.2/41

All: 3919.734+/-0.390 χ^2/NDF: 6132341.6/85

- sign 3904.944+/-0.548 χ^2/NDF: 3362428.5/43

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1187.710+/-1420.581 χ^2/NDF: 18.0/16

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 964.766+/-1280.004 χ^2/NDF: 17.6/20

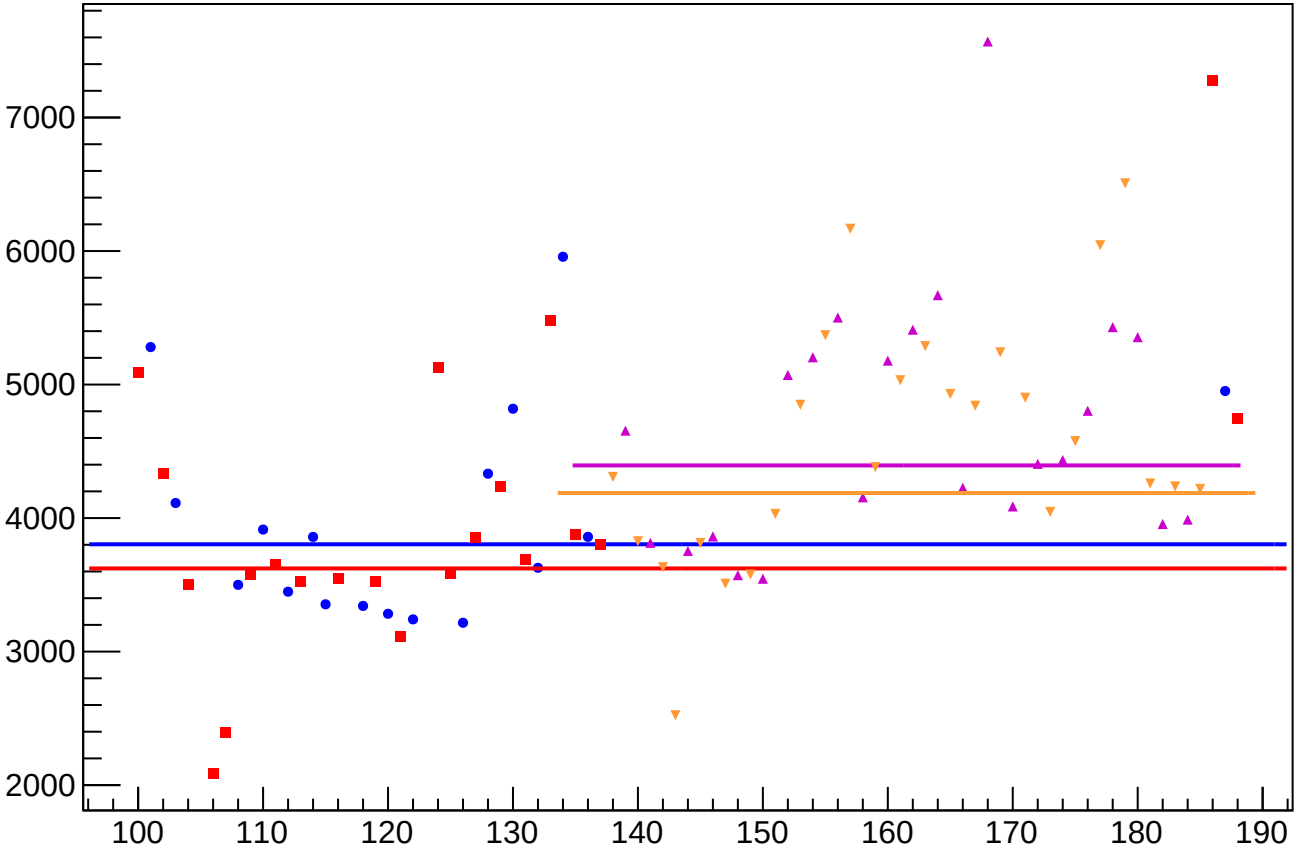
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign -137.249+/-806.594 χ^2/NDF: 46.5/41

All: 272.138+/-571.321 χ^2/NDF: 78.6/85

\- sign 684.331+/-809.354 χ^2/NDF: 31.6/43

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3803.689+/-1.004 χ^2/NDF: 403375.2/16

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

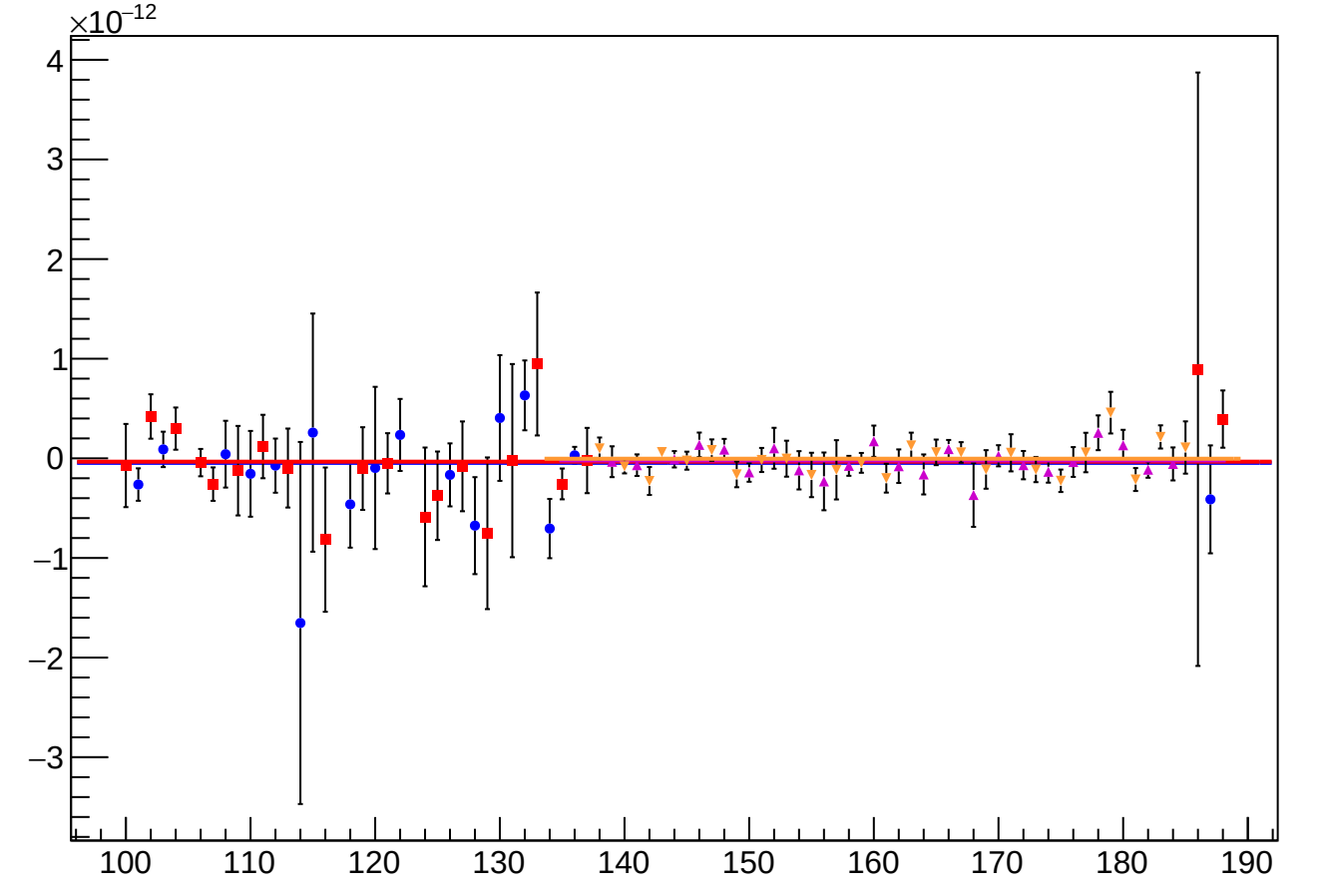
Right Out: 3622.693+/-0.894 χ^2/NDF: 921143.5/20

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4063.999+/-0.570 χ^2/NDF: 2298828.4/41

All: 4072.581+/-0.403 χ^2/NDF: 4751669.3/85

- sign 4081.135+/-0.569 χ^2/NDF: 2452388.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

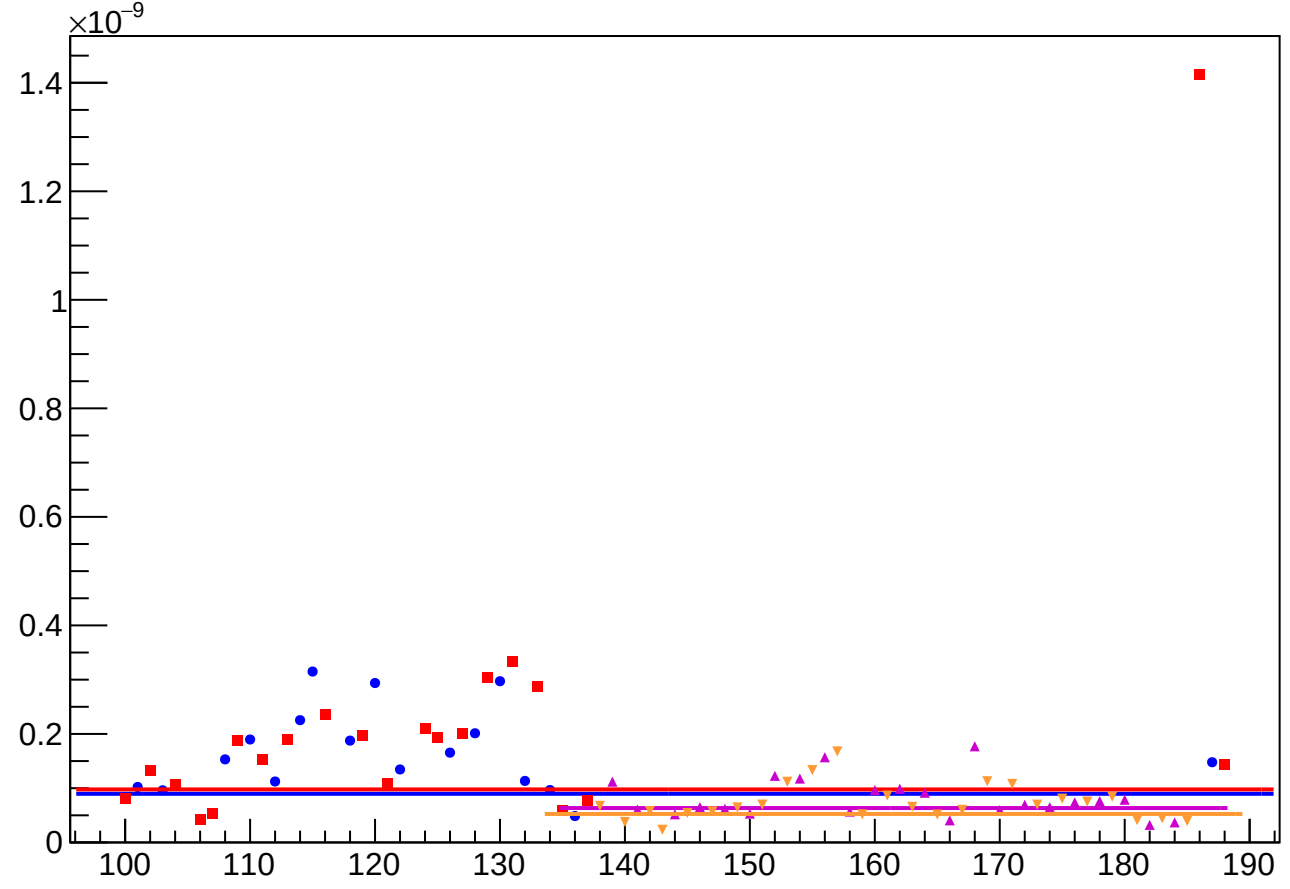
Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/20

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.0/41

All: -0.000+/-0.000 χ^2/NDF: 83.5/85

- sign -0.000+/-0.000 χ^2/NDF: 35.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1484054.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2182752.7/20

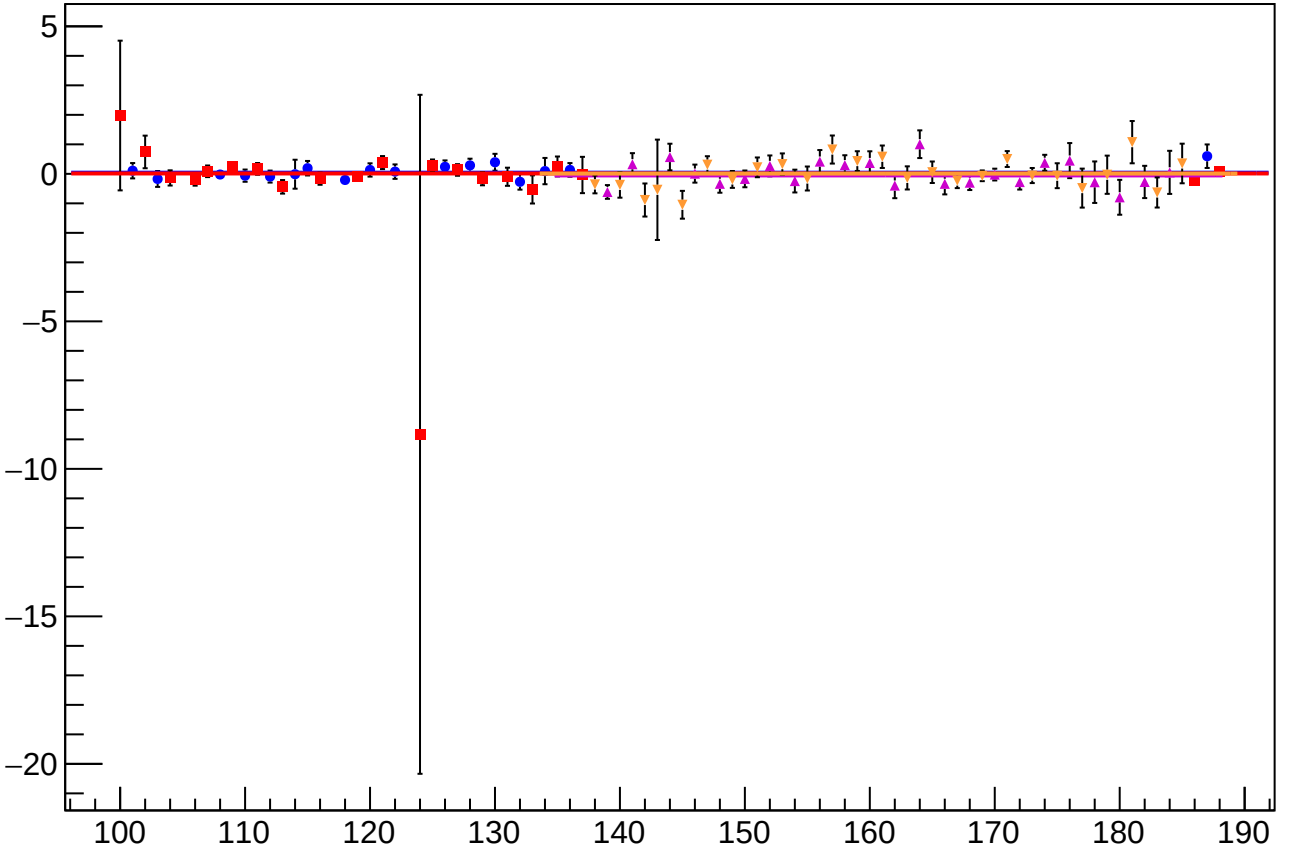
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4815395.8/41

All: 0.000+/-0.000 χ^2/NDF: 9555638.4/85

- sign 0.000+/-0.000 χ^2/NDF: 4485941.2/43

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

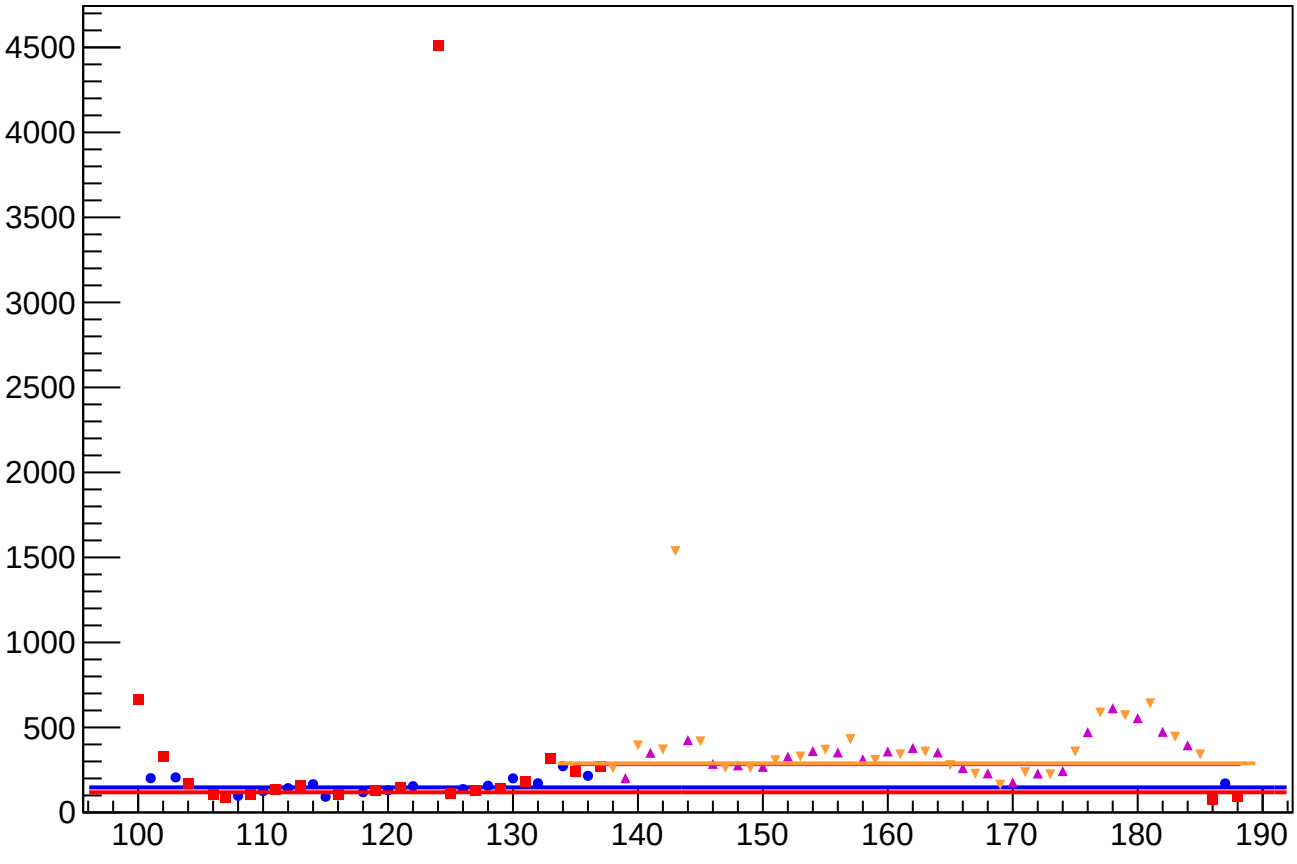
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.008+/-0.029 χ^2/NDF: 93.9/85

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

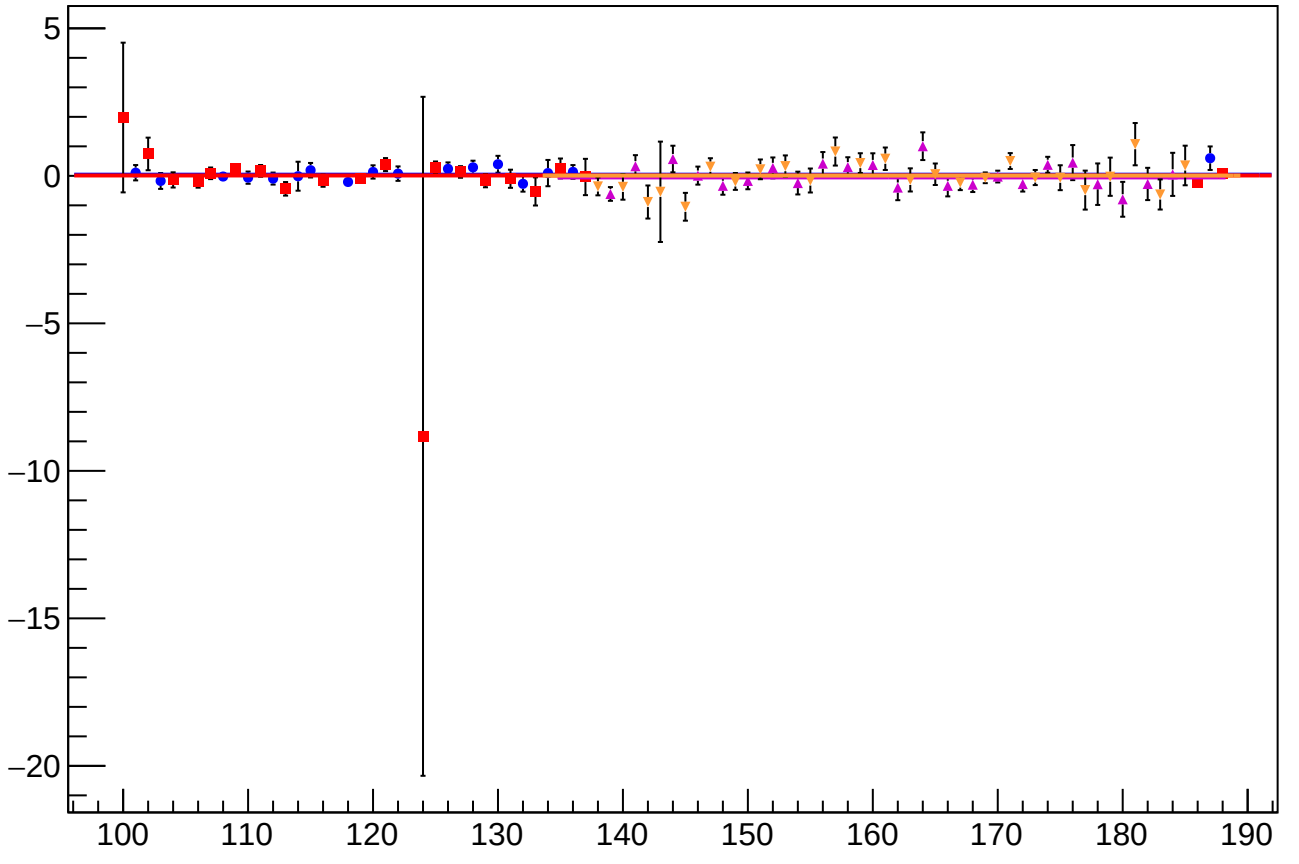
Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.925+/-0.031 χ^2/NDF: 10482792.9/41

All: 181.689+/-0.020 χ^2/NDF: 24364154.3/85

- sign 166.354+/-0.027 χ^2/NDF: 13097139.0/43



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

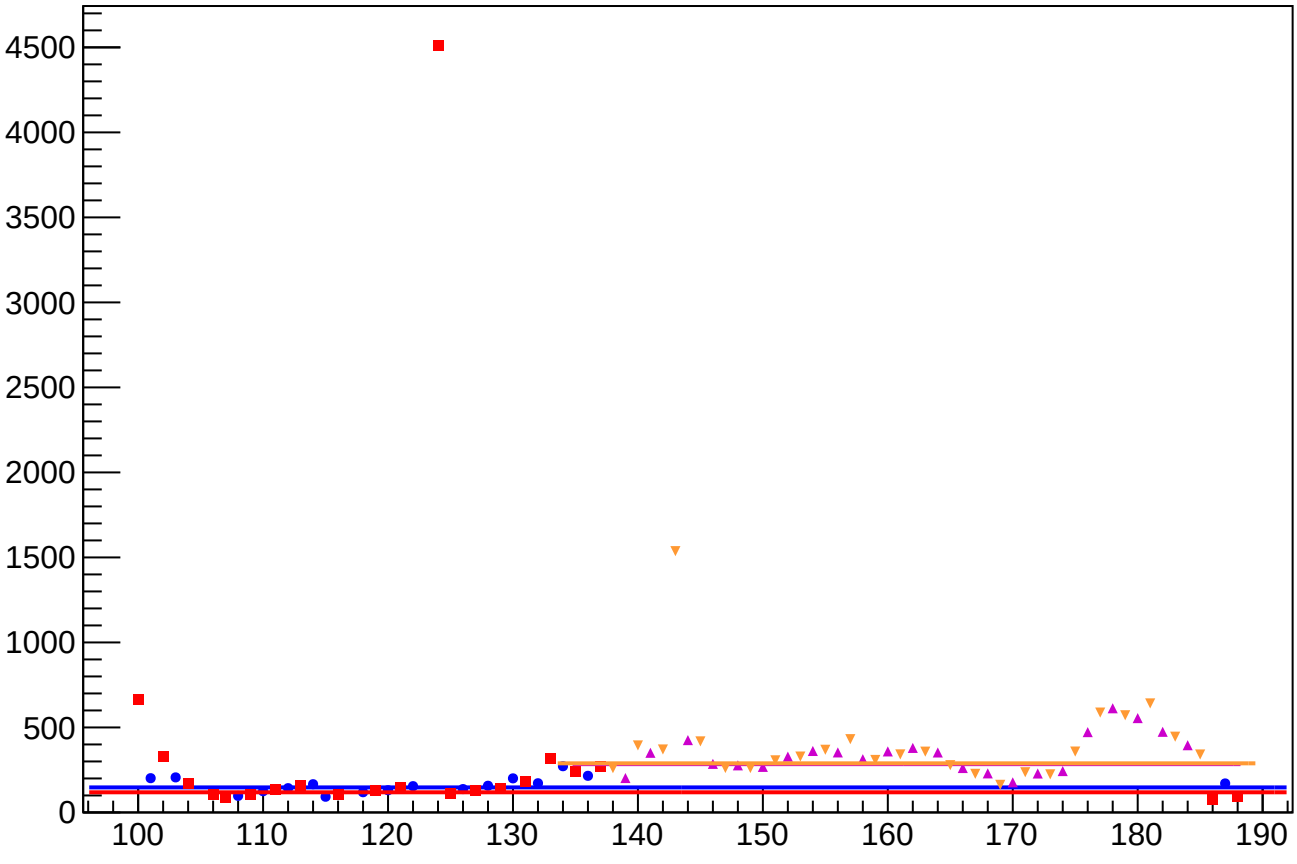
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.008+/-0.029 χ^2/NDF: 93.9/85

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

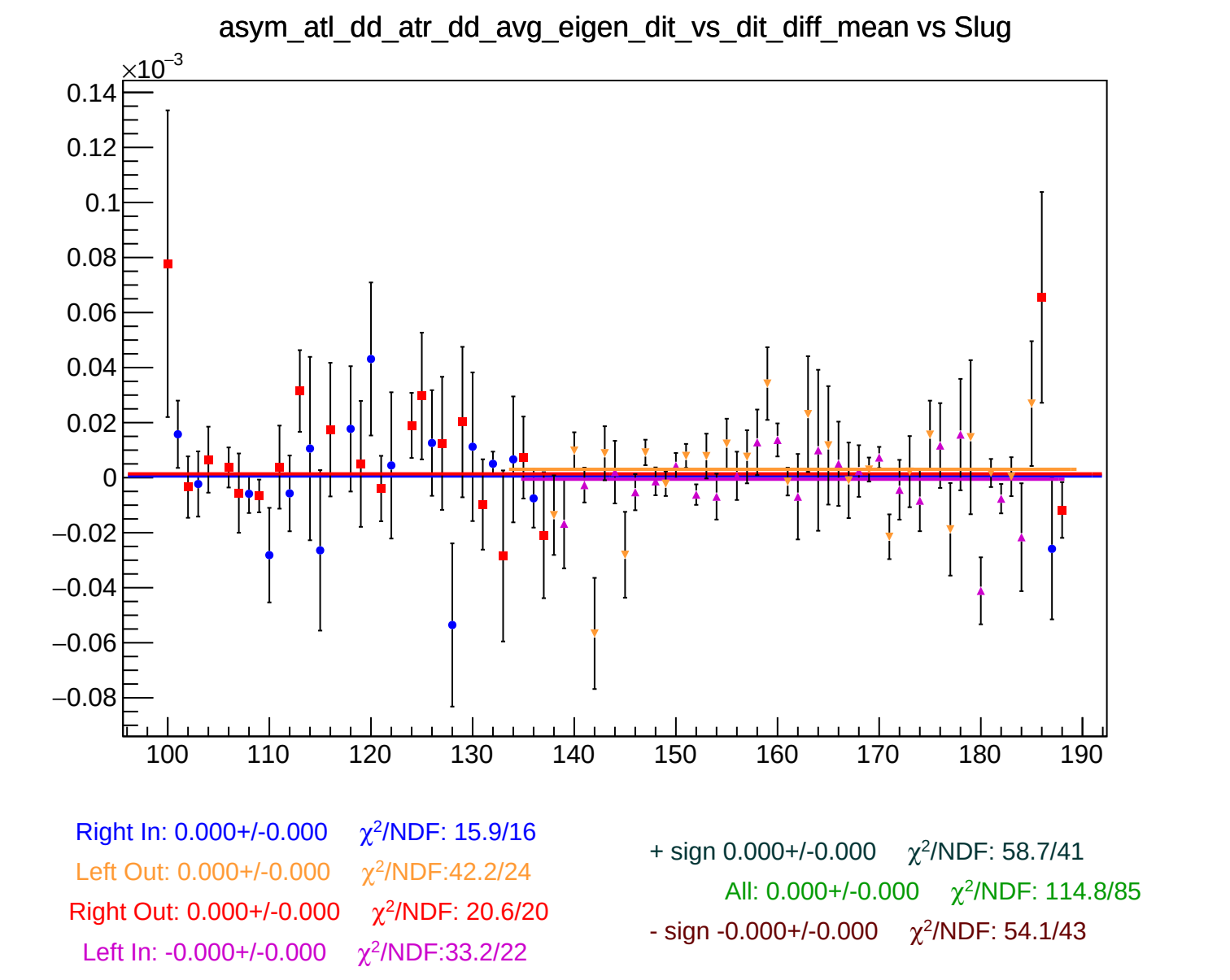
Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

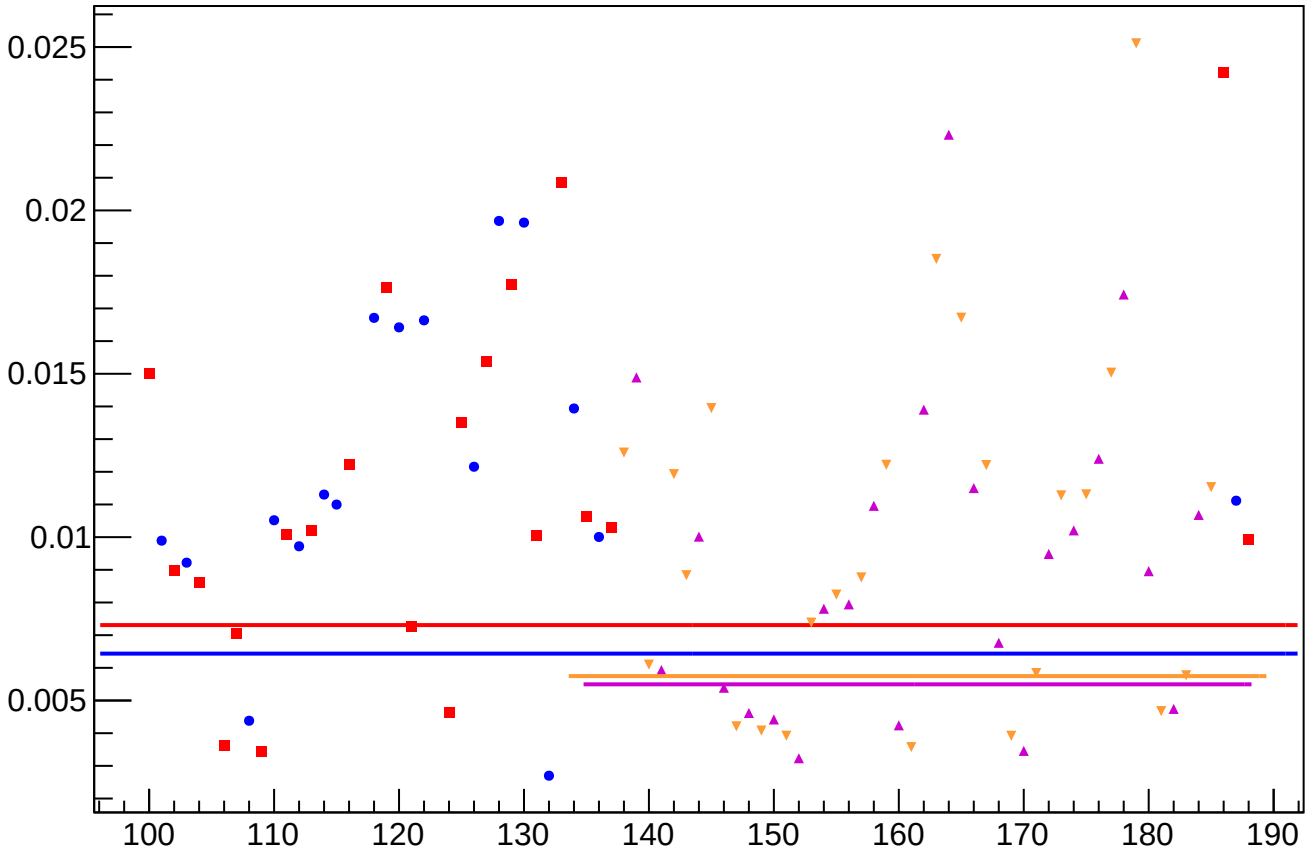
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.925+/-0.031 χ^2/NDF: 10482792.9/41

All: 181.689+/-0.020 χ^2/NDF: 24364154.3/85

- sign 166.354+/-0.027 χ^2/NDF: 13097139.0/43


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.9/16
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.6/20
Left In: -0.000+/-0.000 χ²/NDF:33.2/22
+ sign 0.000+/-0.000 χ²/NDF: 58.7/41
All: 0.000+/-0.000 χ²/NDF: 114.8/85
- sign -0.000+/-0.000 χ²/NDF: 54.1/43



Right In: 0.006+/-0.000 χ^2/NDF: 4707327.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

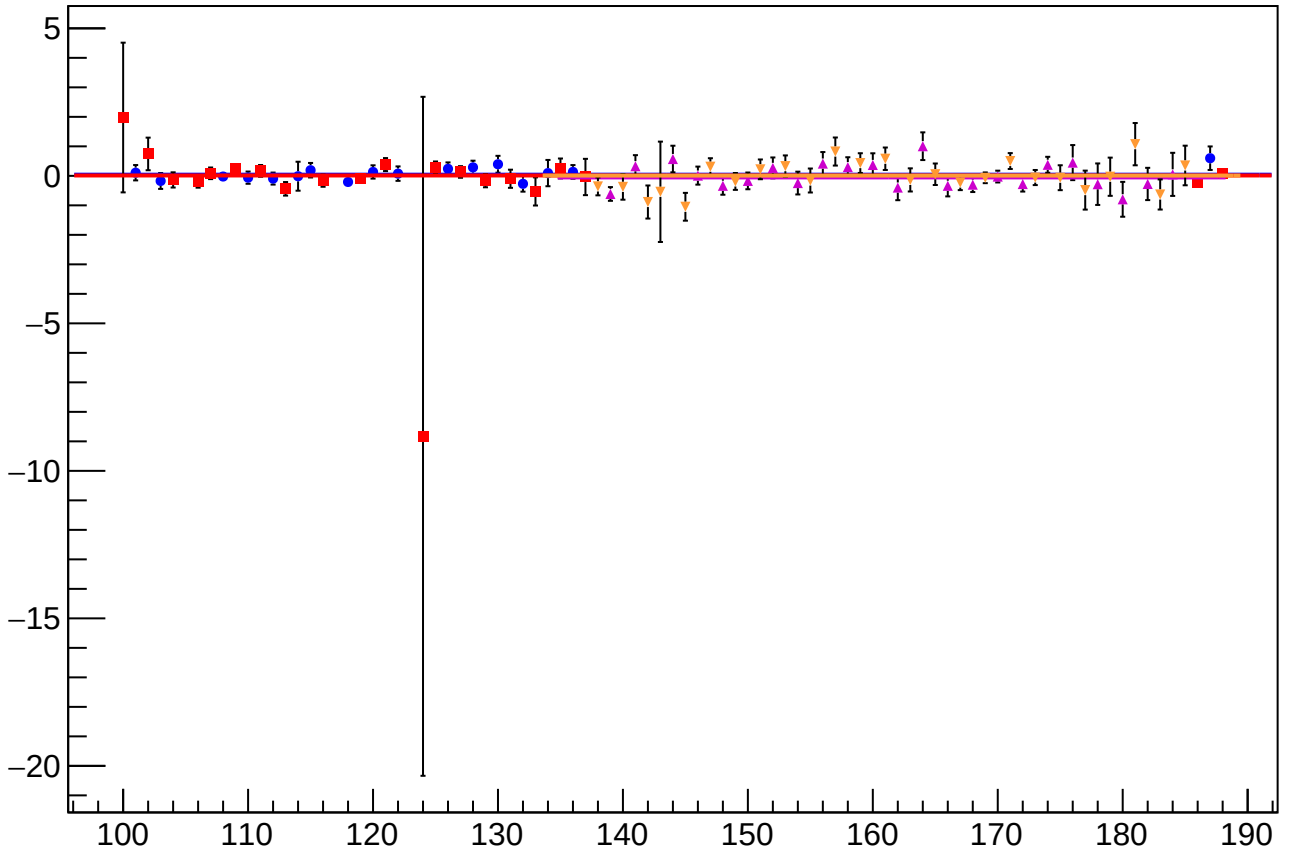
Right Out: 0.007+/-0.000 χ^2/NDF: 3959056.4/20

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 12923726.3/41

All: 0.006+/-0.000 χ^2/NDF: 24440341.3/85

- sign 0.006+/-0.000 χ^2/NDF: 11516593.0/43



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

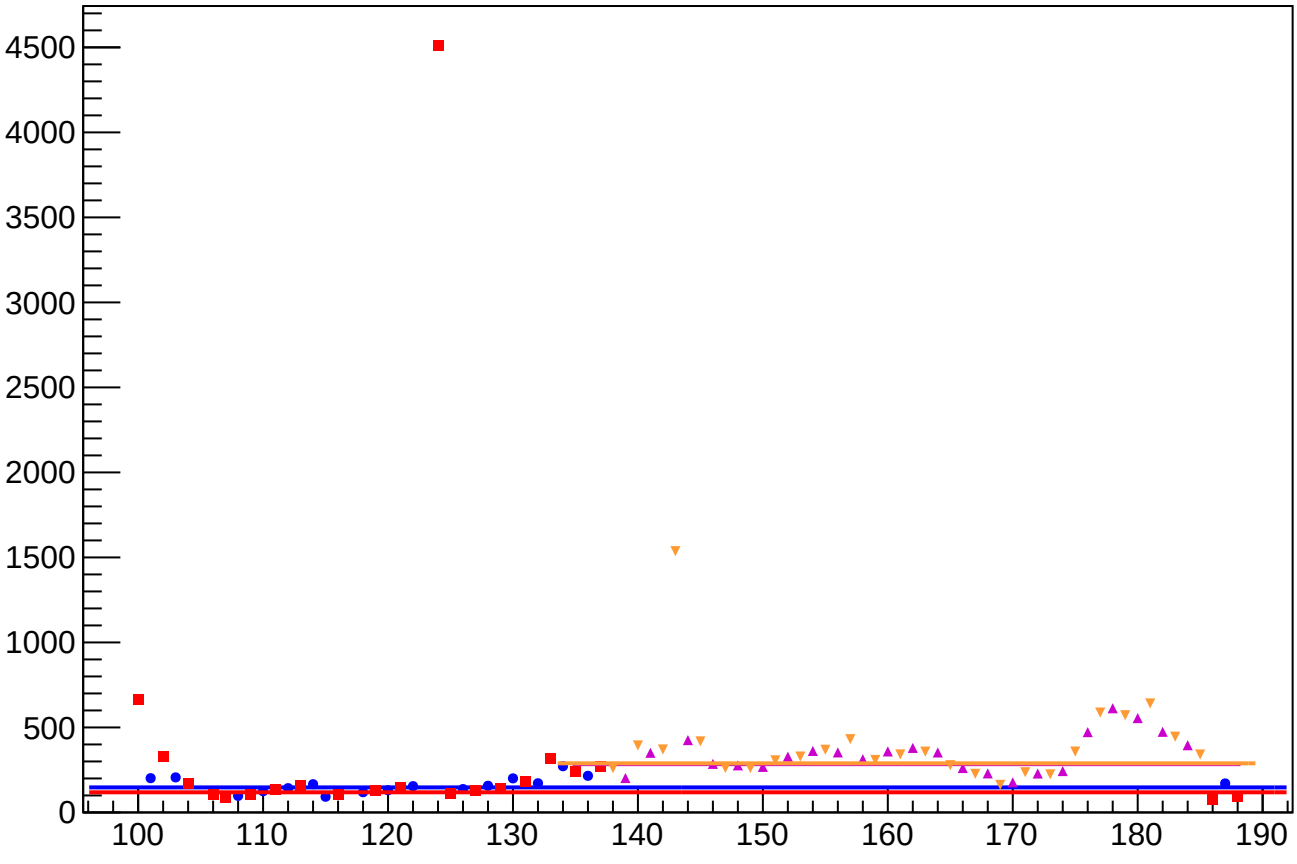
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.008+/-0.029 χ^2/NDF: 93.9/85

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

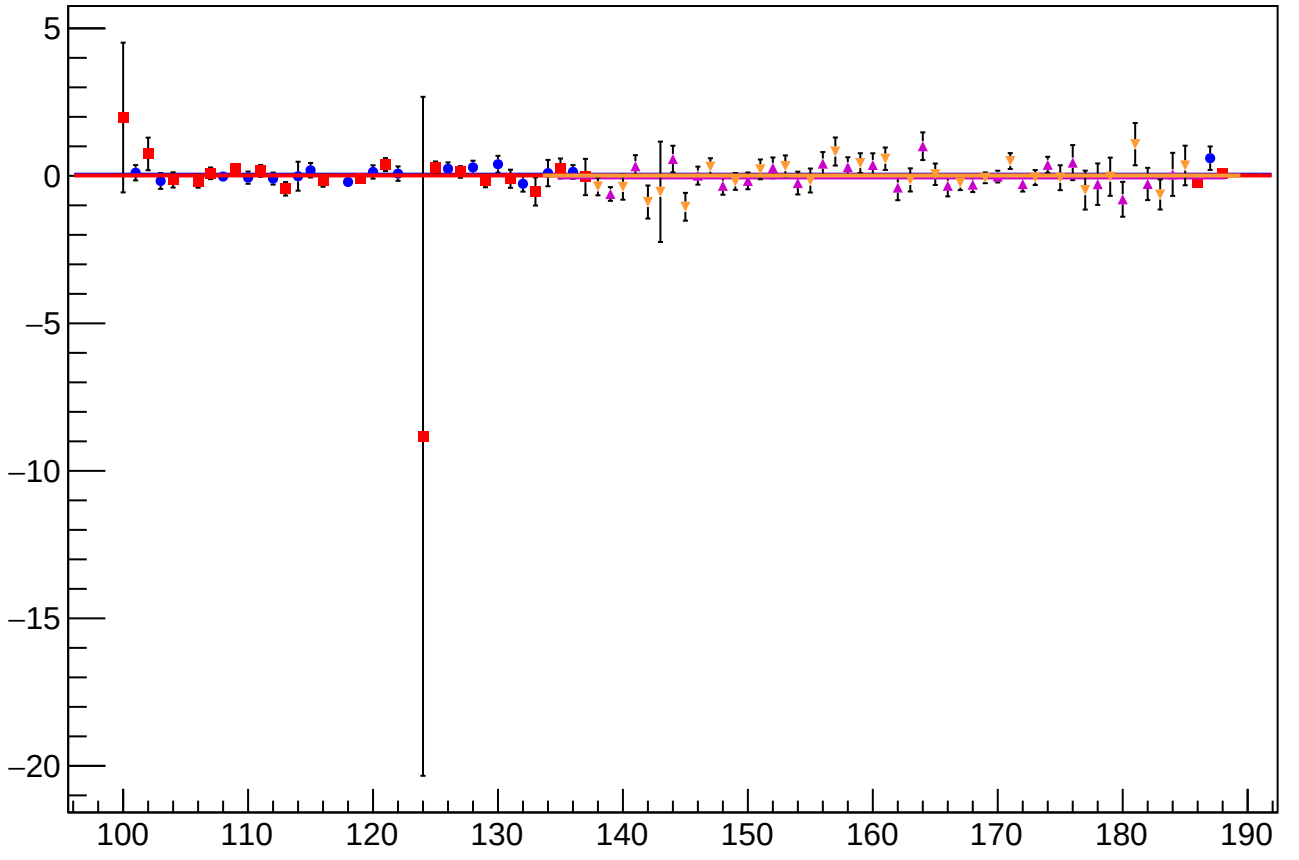
Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.924+/-0.031 χ^2/NDF: 10482932.7/41

All: 181.690+/-0.020 χ^2/NDF: 24364000.7/85

- sign 166.356+/-0.027 χ^2/NDF: 13096958.9/43



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

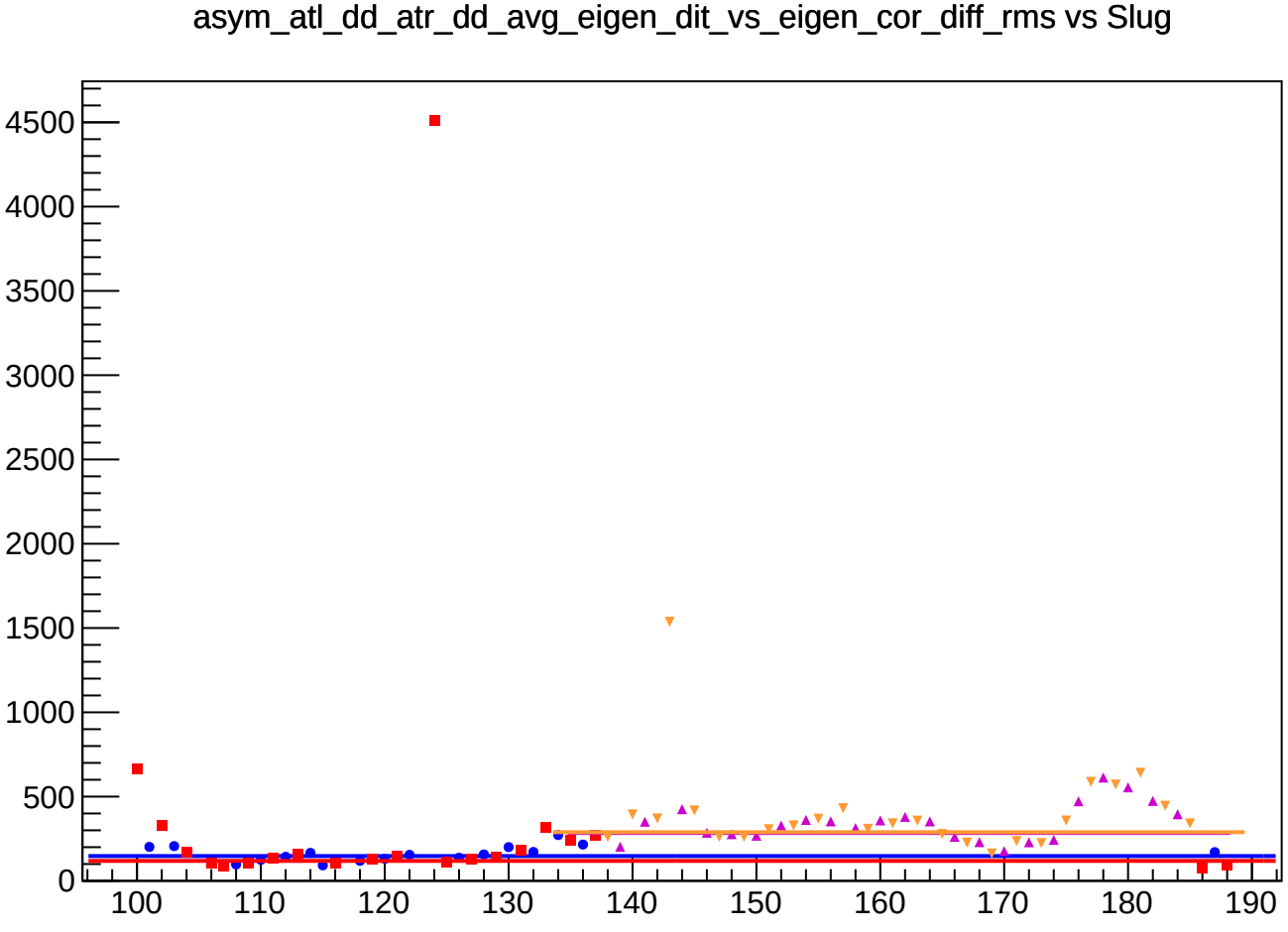
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

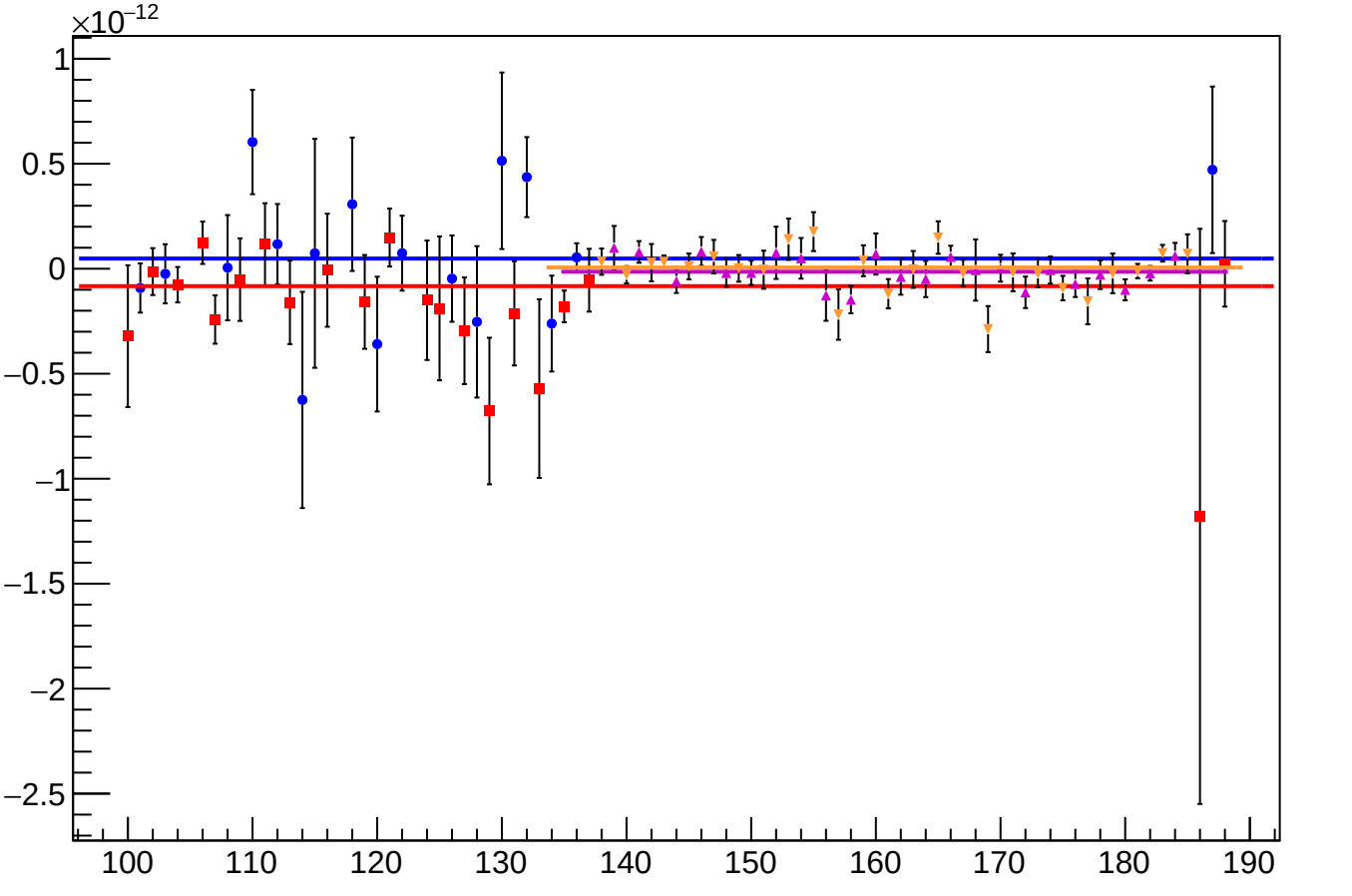
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.008+/-0.029 χ^2/NDF: 93.9/85

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
190
Right In: 147.318+/-0.040 χ²/NDF: 1005643.2/16
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 118.572+/-0.032 χ²/NDF: 2147574.0/20
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 202.924+/-0.031 χ²/NDF: 10482932.7/41
All: 181.690+/-0.020 χ²/NDF: 24364000.7/85
- sign 166.356+/-0.027 χ²/NDF: 13096958.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

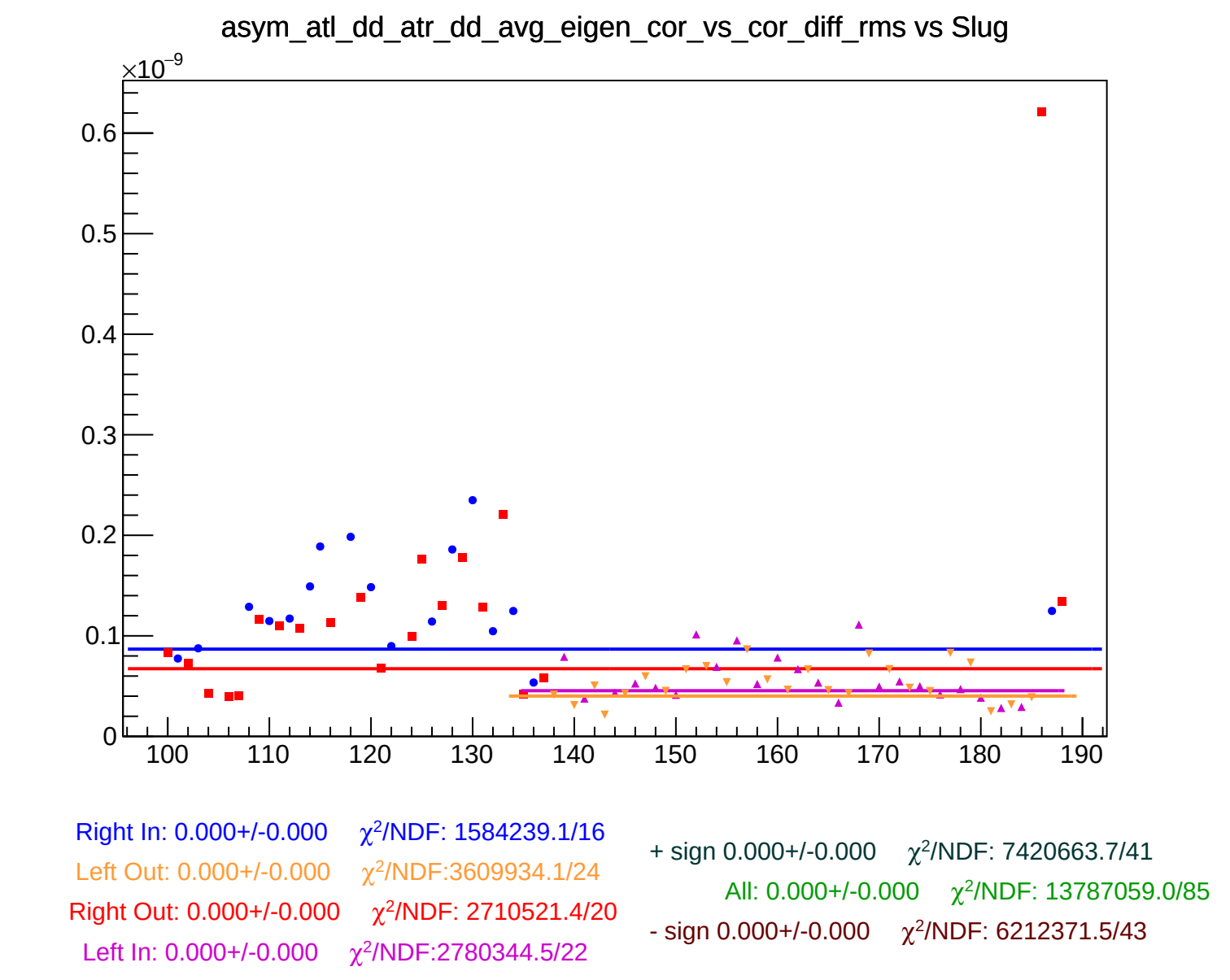
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/20

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

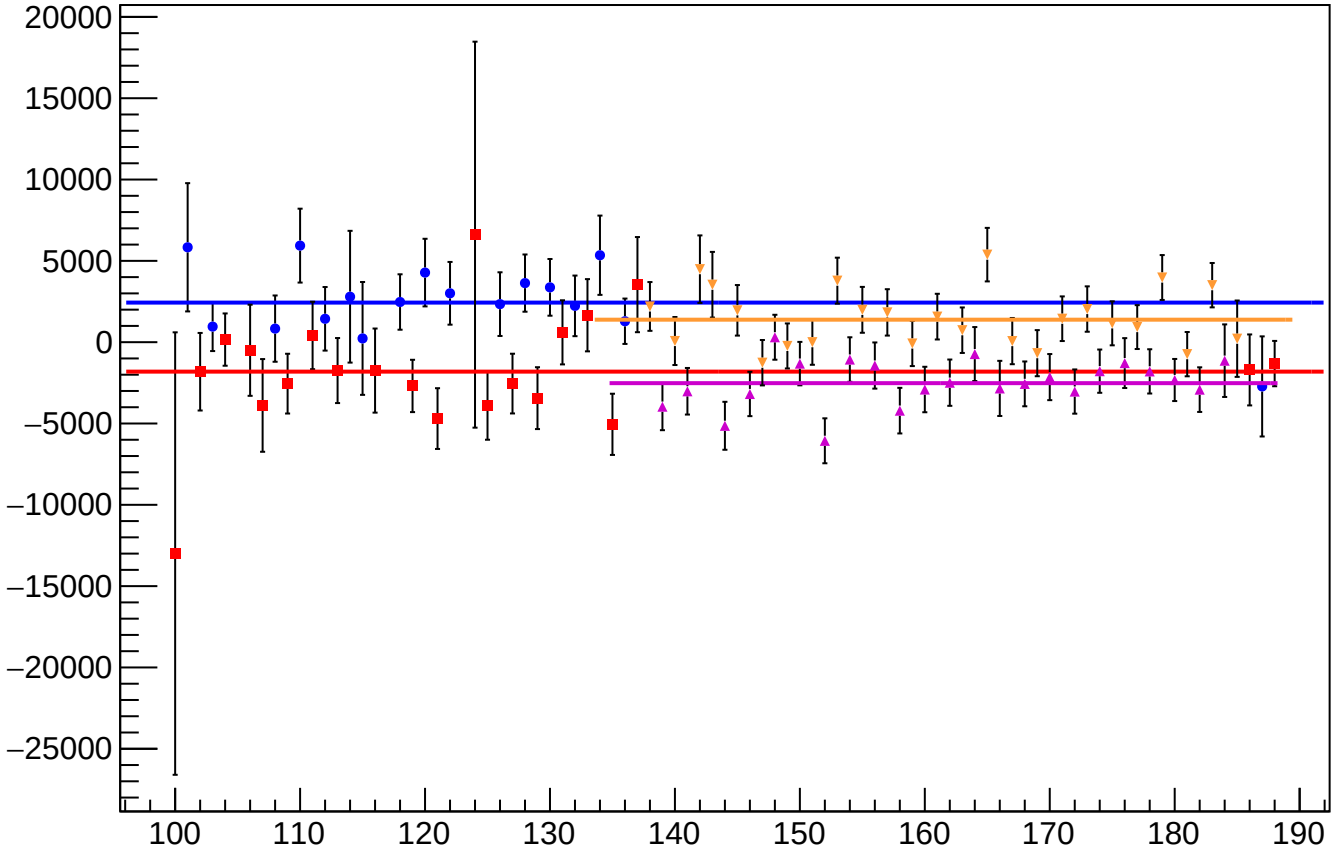
+ sign 0.000+/-0.000 χ^2/NDF: 55.2/41

All: -0.000+/-0.000 χ^2/NDF: 104.7/85

- sign -0.000+/-0.000 χ^2/NDF: 45.9/43


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1584239.1/16
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 2710521.4/20
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 7420663.7/41
All: 0.000+/-0.000 χ²/NDF: 13787059.0/85
- sign 0.000+/-0.000 χ²/NDF: 6212371.5/43

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2433.943+/-489.070 χ^2/NDF: 11.9/16

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1810.314+/-455.915 χ^2/NDF: 19.7/20

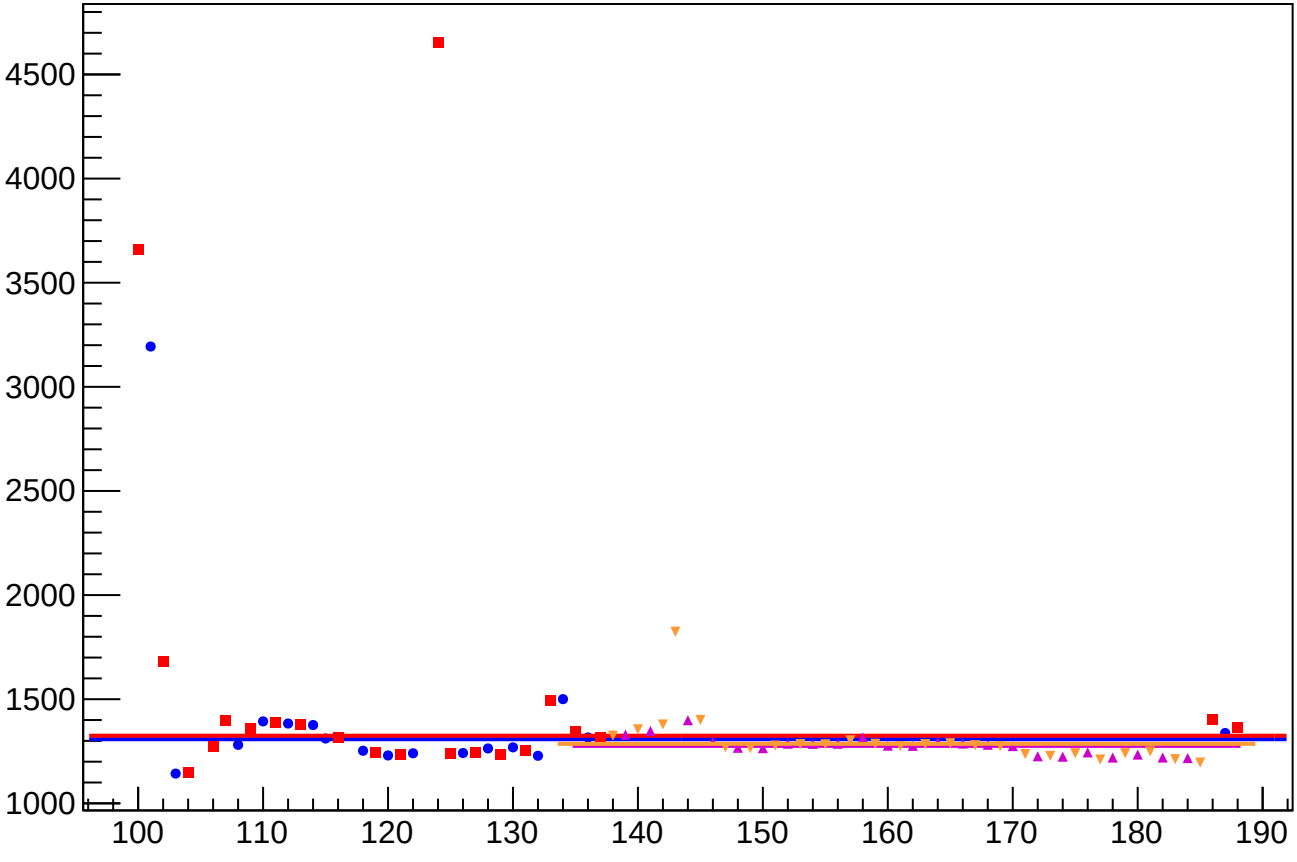
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1660.448+/-251.205 χ^2/NDF: 48.2/41

All: -336.812+/-177.022 χ^2/NDF: 217.6/85

- sign -2307.020+/-249.498 χ^2/NDF: 43.8/43

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.840+/-0.346 χ^2/NDF: 516441.2/16

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

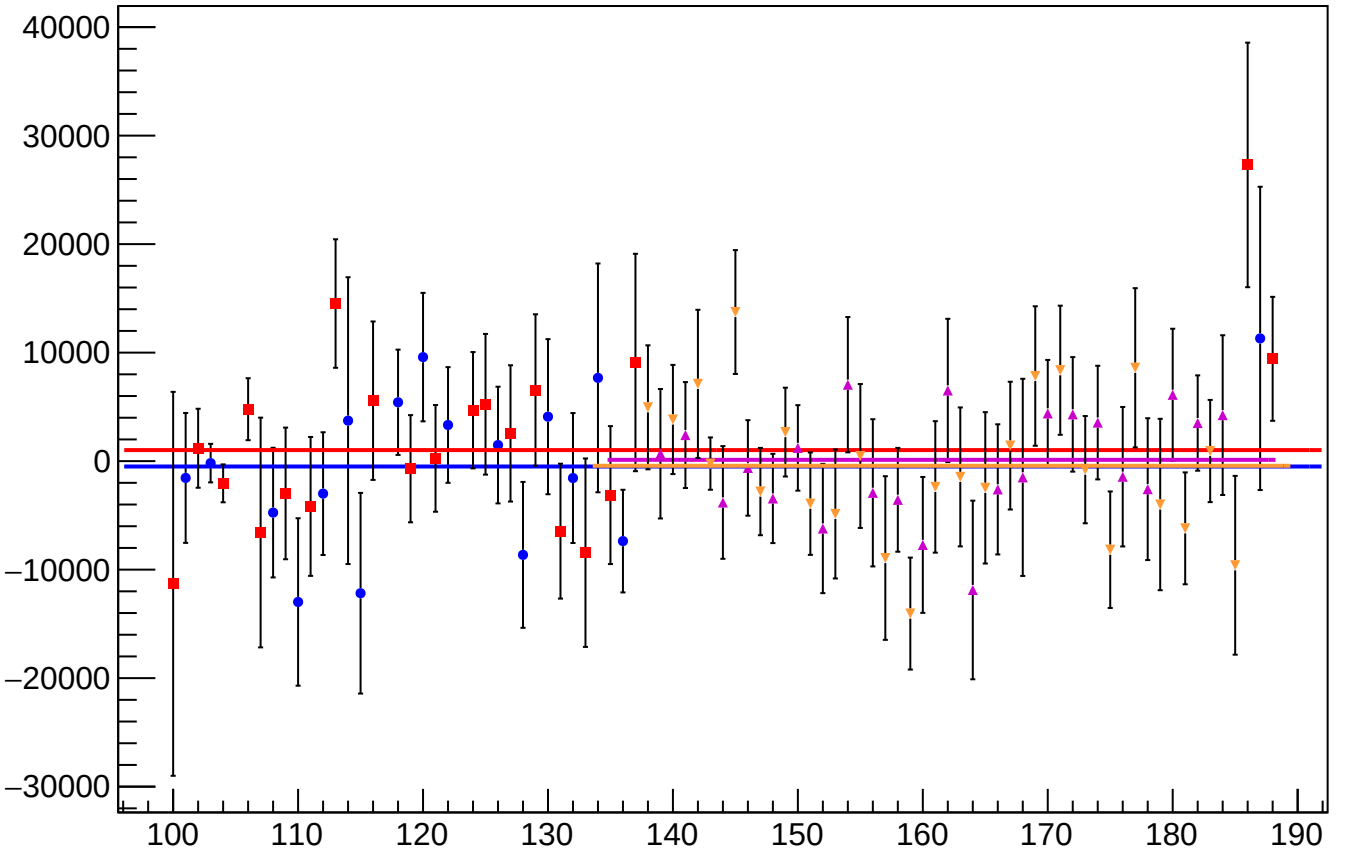
Right Out: 1324.798+/-0.322 χ^2/NDF: 331155.3/20

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.503+/-0.178 χ^2/NDF: 710499.7/41

All: 1291.058+/-0.125 χ^2/NDF: 1099207.8/85

- sign 1290.619+/-0.176 χ^2/NDF: 388695.7/43



Right In: -495.783+/-1188.541 χ^2/NDF: 15.5/16

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

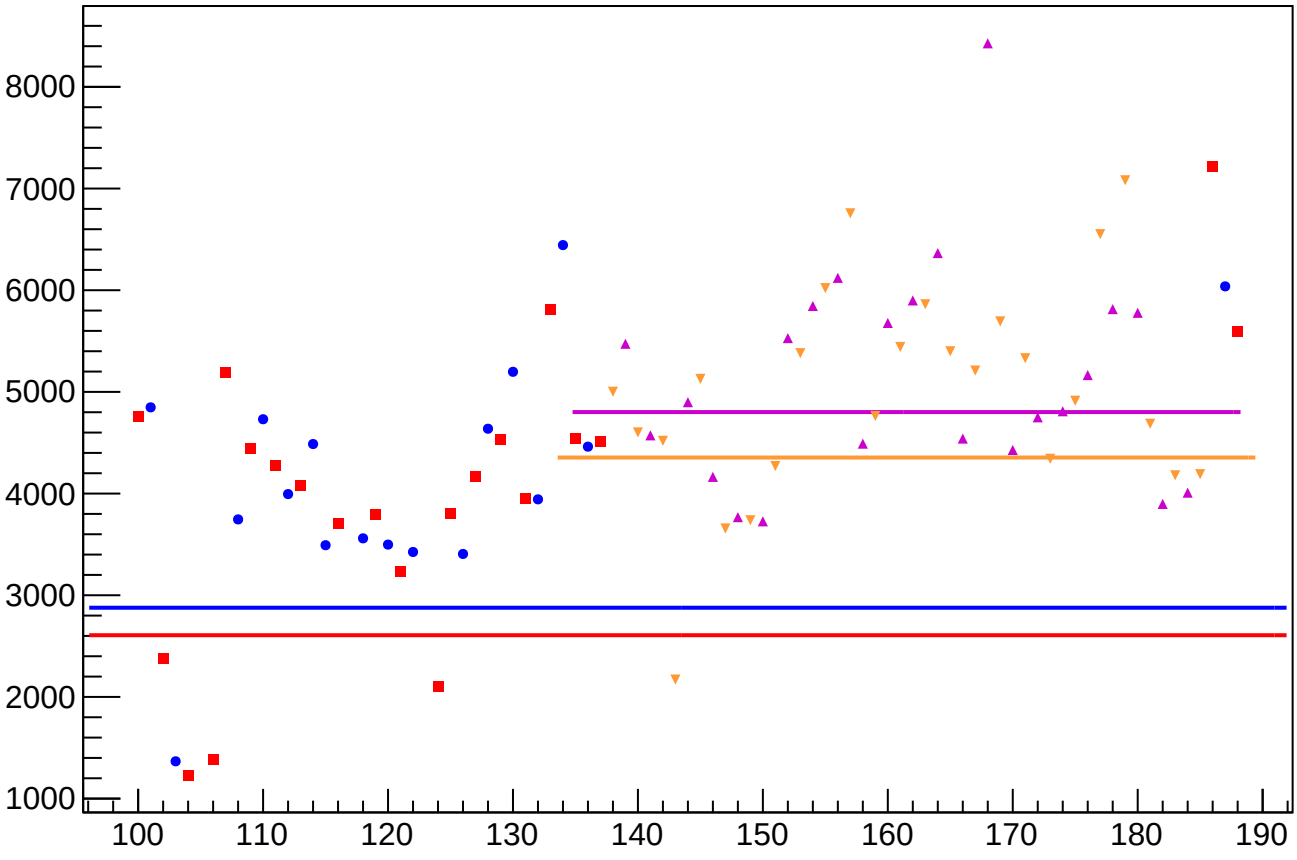
Right Out: 1017.722+/-1033.495 χ^2/NDF: 25.5/20

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -457.631+/-781.834 χ^2/NDF: 45.3/41

All: 88.516+/-547.557 χ^2/NDF: 85.7/85

- sign 614.274+/-767.101 χ^2/NDF: 39.5/43



Right In: 2877.324+/-0.840 χ^2/NDF: 3007852.8/16

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2606.906+/-0.731 χ^2/NDF: 4273154.9/20

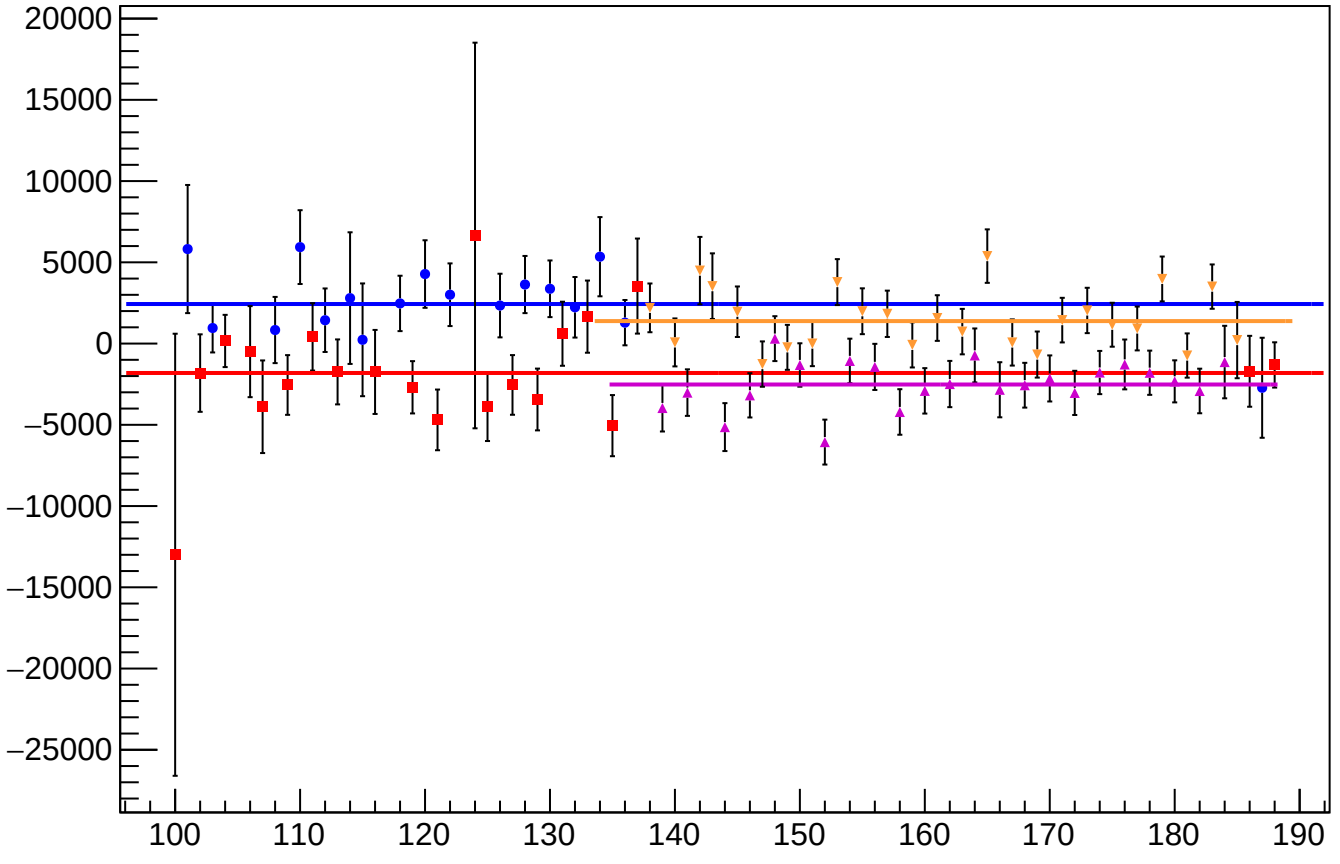
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

\+ sign 3715.321+/-0.553 χ^2/NDF: 7831894.2/41

All: 3652.737+/-0.387 χ^2/NDF: 17412273.2/8

\- sign 3592.489+/-0.542 χ^2/NDF: 9555226.9/43

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2433.677+/-489.071 χ^2/NDF: 11.9/16

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1810.071+/-455.915 χ^2/NDF: 19.7/20

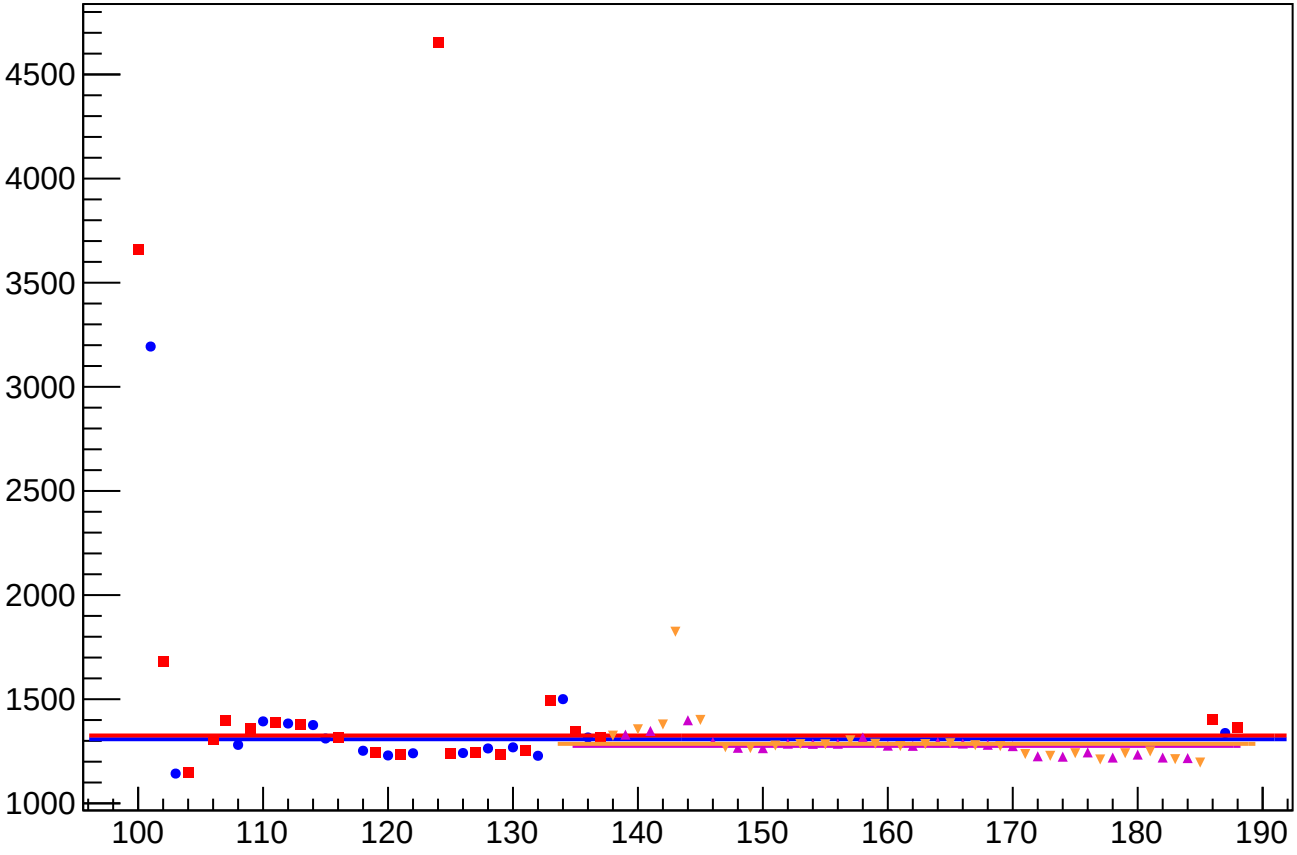
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1660.331+/-251.205 χ^2/NDF: 48.2/41

All: -336.834+/-177.022 χ^2/NDF: 217.6/85

- sign -2306.948+/-249.498 χ^2/NDF: 43.9/43

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.839+/-0.346 χ^2/NDF: 516442.7/16

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

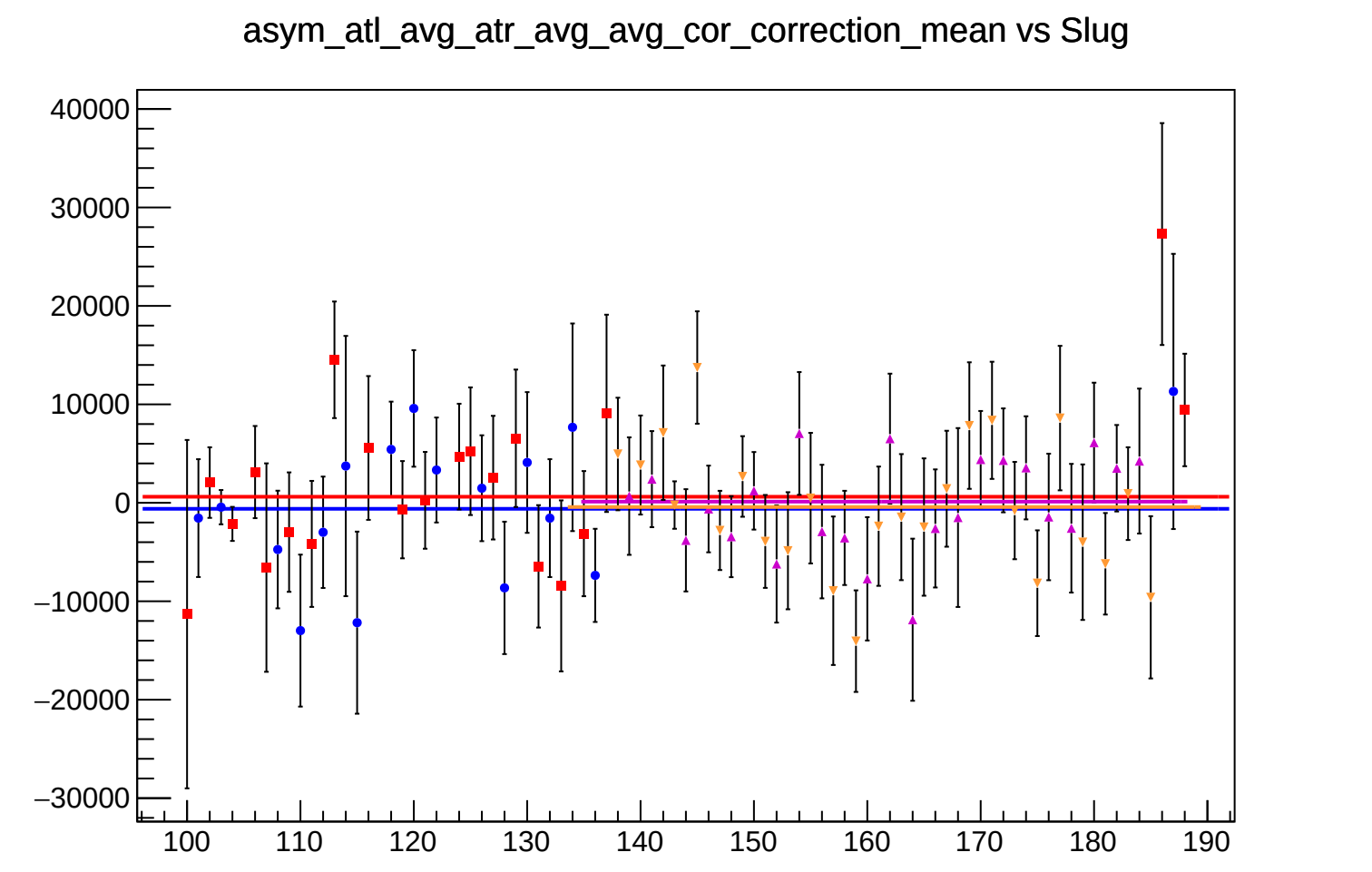
Right Out: 1325.770+/-0.322 χ^2/NDF: 330499.3/20

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.503+/-0.178 χ^2/NDF: 710501.1/41

All: 1291.198+/-0.125 χ^2/NDF: 1099179.2/85

- sign 1290.897+/-0.176 χ^2/NDF: 388672.2/43



Right In: -609.924+/-1178.223 χ^2/NDF: 15.4/16

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

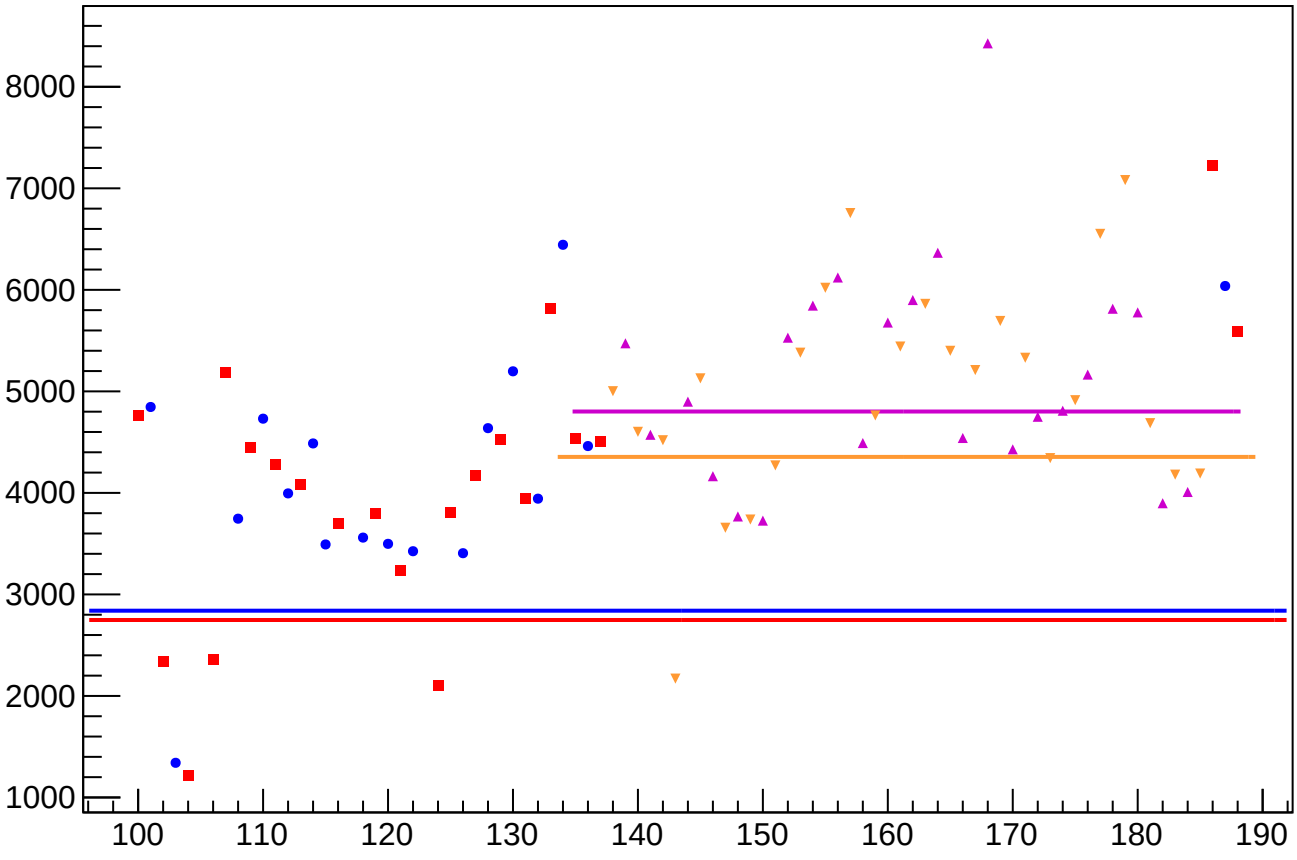
Right Out: 615.247+/-1073.555 χ^2/NDF: 24.2/20

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -507.796+/-778.874 χ^2/NDF: 45.3/41

All: -64.703+/-552.221 χ^2/NDF: 83.8/85

- sign 383.166+/-783.060 χ^2/NDF: 37.9/43



Right In: 2839.677+/-0.833 χ^2/NDF: 3113057.3/16

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2748.049+/-0.759 χ^2/NDF: 3927116.0/20

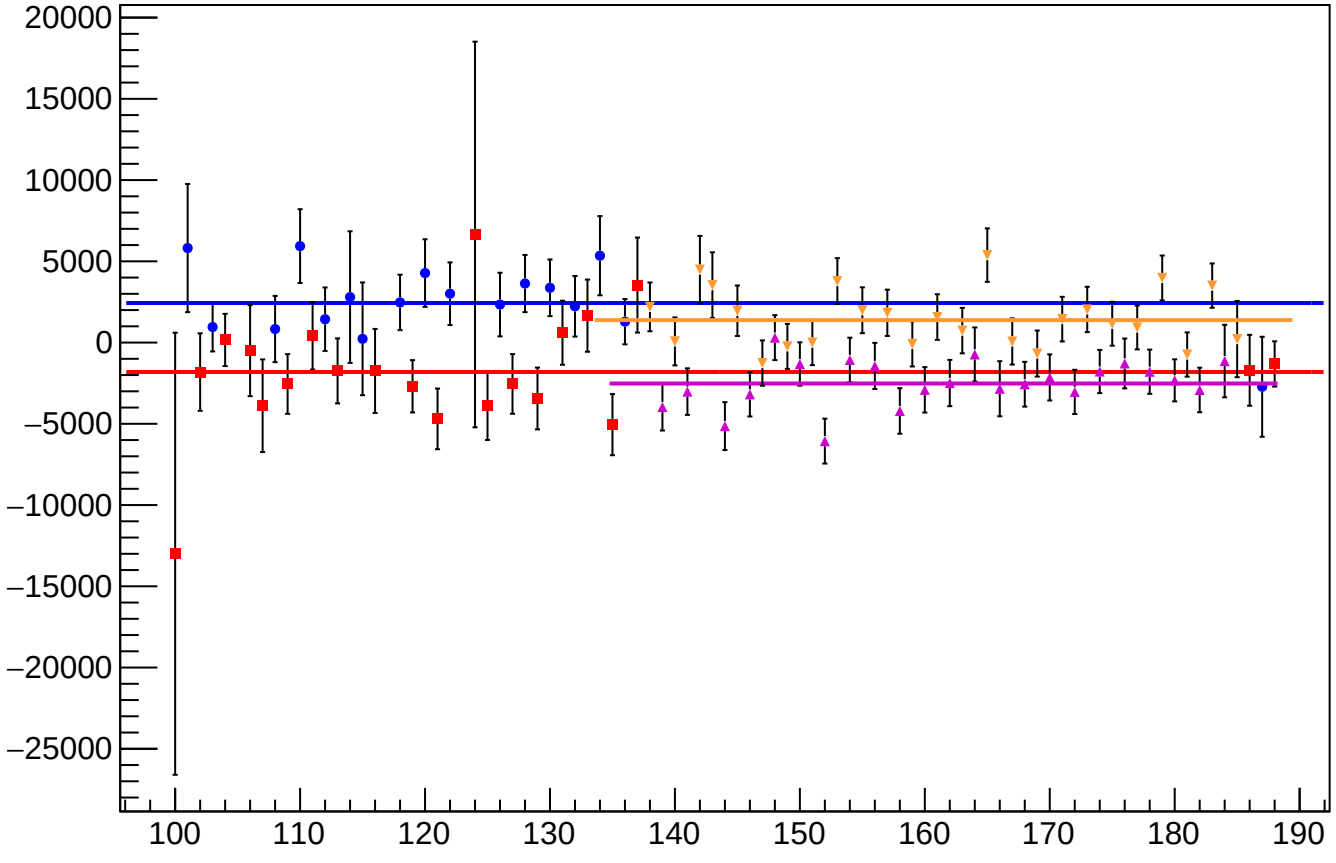
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3692.532+/-0.551 χ^2/NDF: 8045879.1/41

All: 3700.731+/-0.390 χ^2/NDF: 16629789.0/8

- sign 3709.020+/-0.554 χ^2/NDF: 8583464.2/43

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2433.677+/-489.071 χ^2/NDF: 11.9/16

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1810.071+/-455.915 χ^2/NDF: 19.7/20

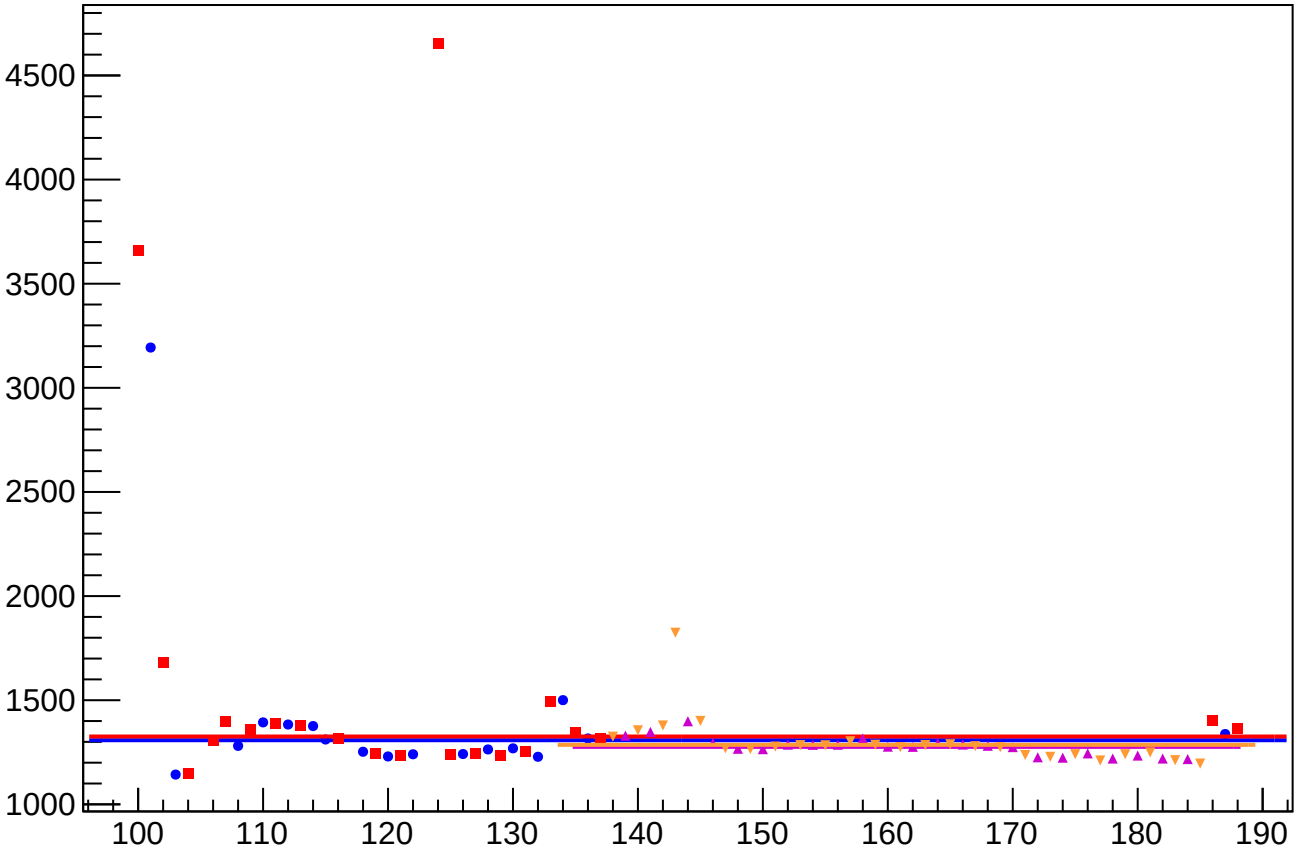
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1660.331+/-251.205 χ^2/NDF: 48.2/41

All: -336.834+/-177.022 χ^2/NDF: 217.6/85

- sign -2306.948+/-249.498 χ^2/NDF: 43.9/43

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.839+/-0.346 χ^2/NDF: 516442.7/16

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

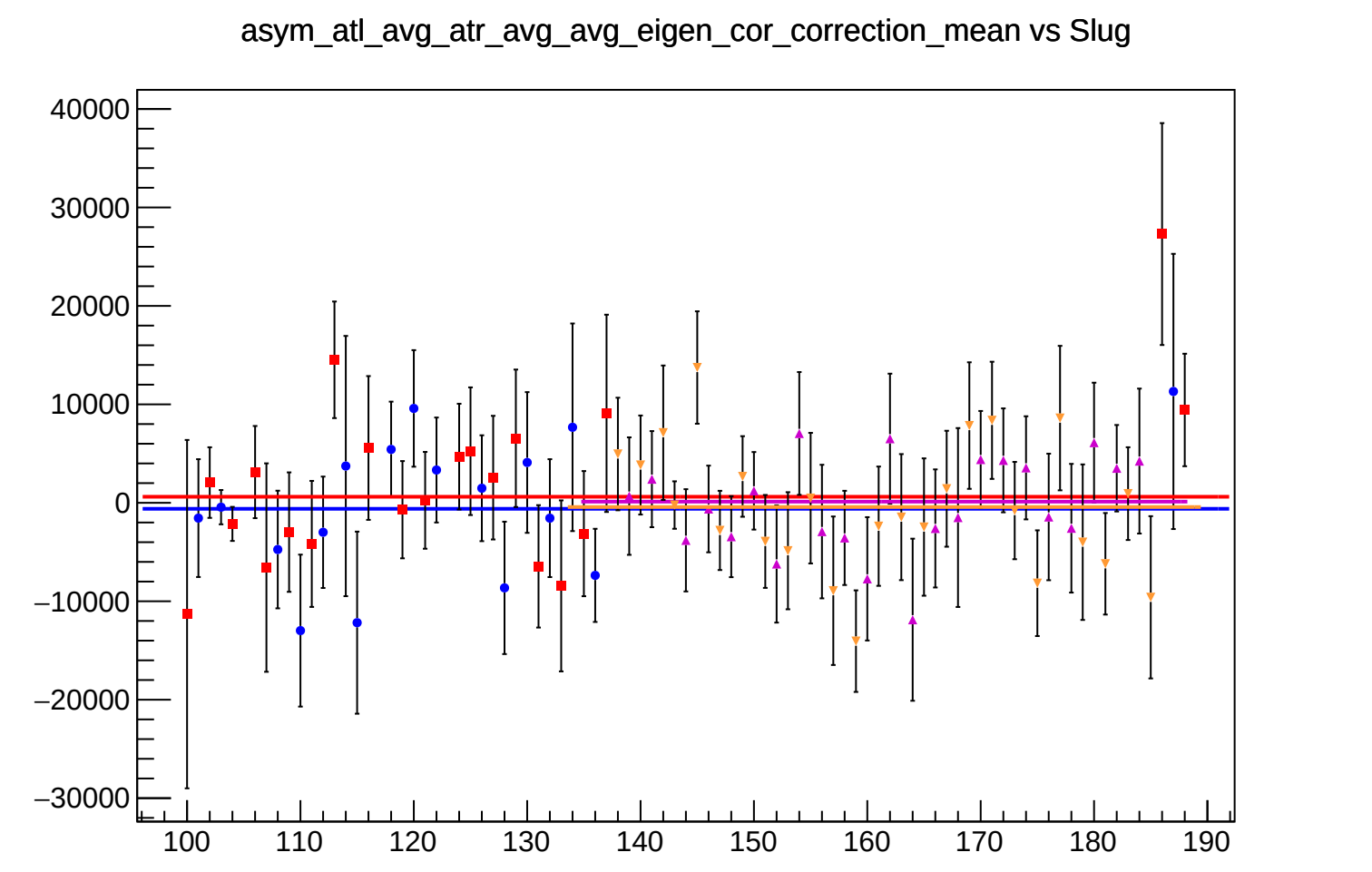
Right Out: 1325.770+/-0.322 χ^2/NDF: 330499.3/20

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.503+/-0.178 χ^2/NDF: 710501.1/41

All: 1291.198+/-0.125 χ^2/NDF: 1099179.2/85

- sign 1290.897+/-0.176 χ^2/NDF: 388672.2/43



Right In: -609.924+/-1178.223 χ^2/NDF: 15.4/16

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

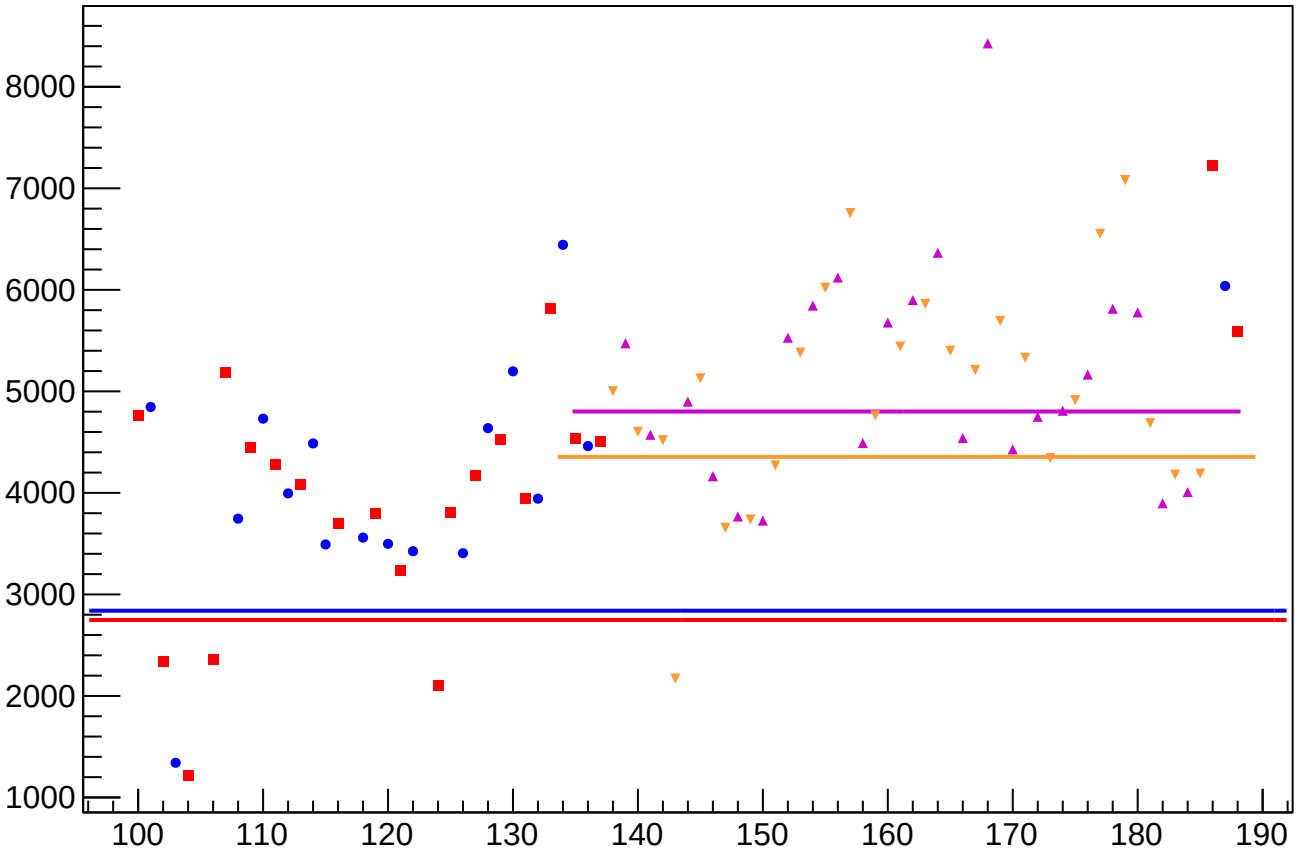
Right Out: 615.247+/-1073.555 χ^2/NDF: 24.2/20

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -507.796+/-778.874 χ^2/NDF: 45.3/41

All: -64.703+/-552.221 χ^2/NDF: 83.8/85

- sign 383.166+/-783.060 χ^2/NDF: 37.9/43



Right In: 2839.677+/-0.833 χ^2/NDF: 3113057.3/16

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2748.049+/-0.759 χ^2/NDF: 3927116.0/20

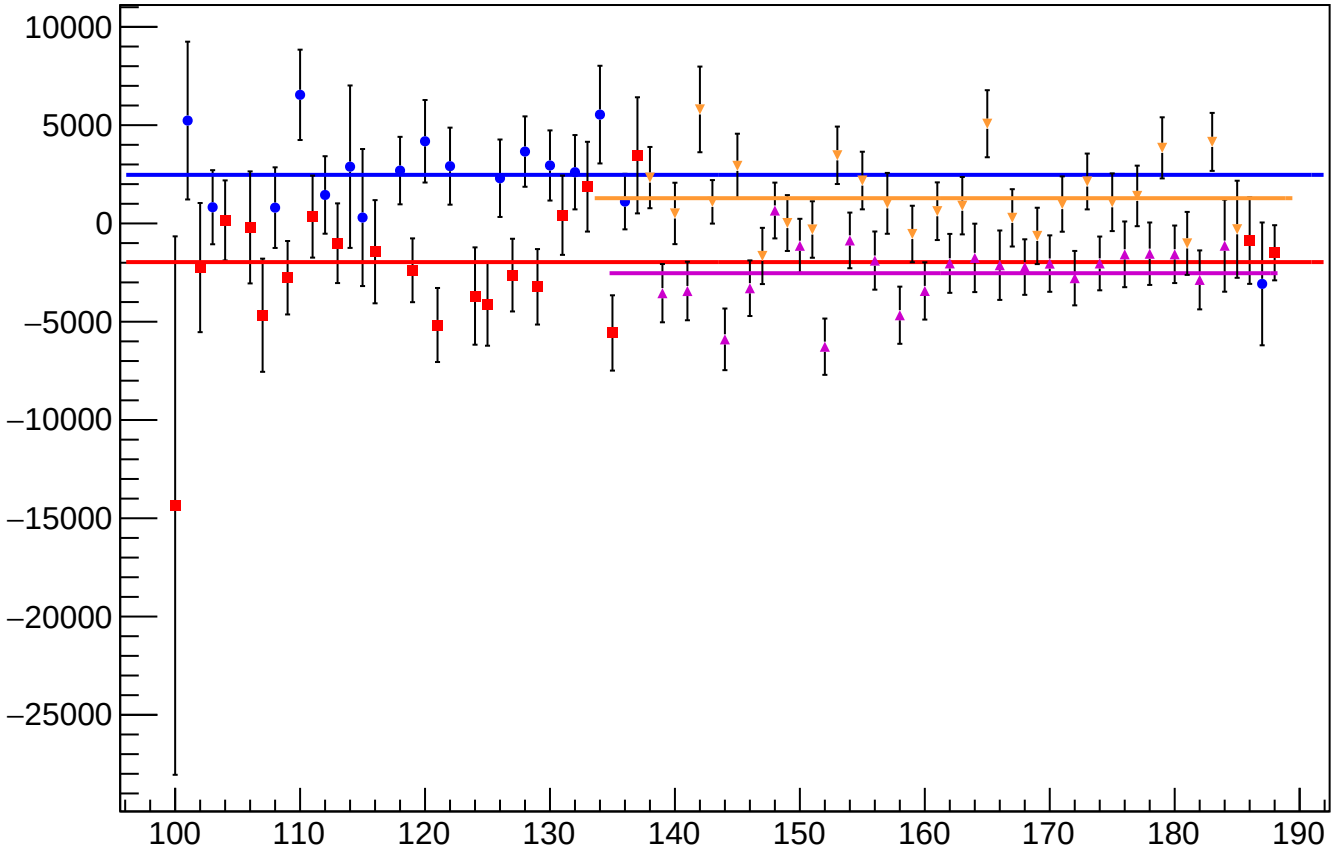
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3692.532+/-0.551 χ^2/NDF: 8045879.1/41

All: 3700.731+/-0.390 χ^2/NDF: 16629789.0/8

- sign 3709.020+/-0.554 χ^2/NDF: 8583464.2/43

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2471.842+/-504.790 χ^2/NDF: 12.6/16

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -1966.675+/-464.352 χ^2/NDF: 21.4/20

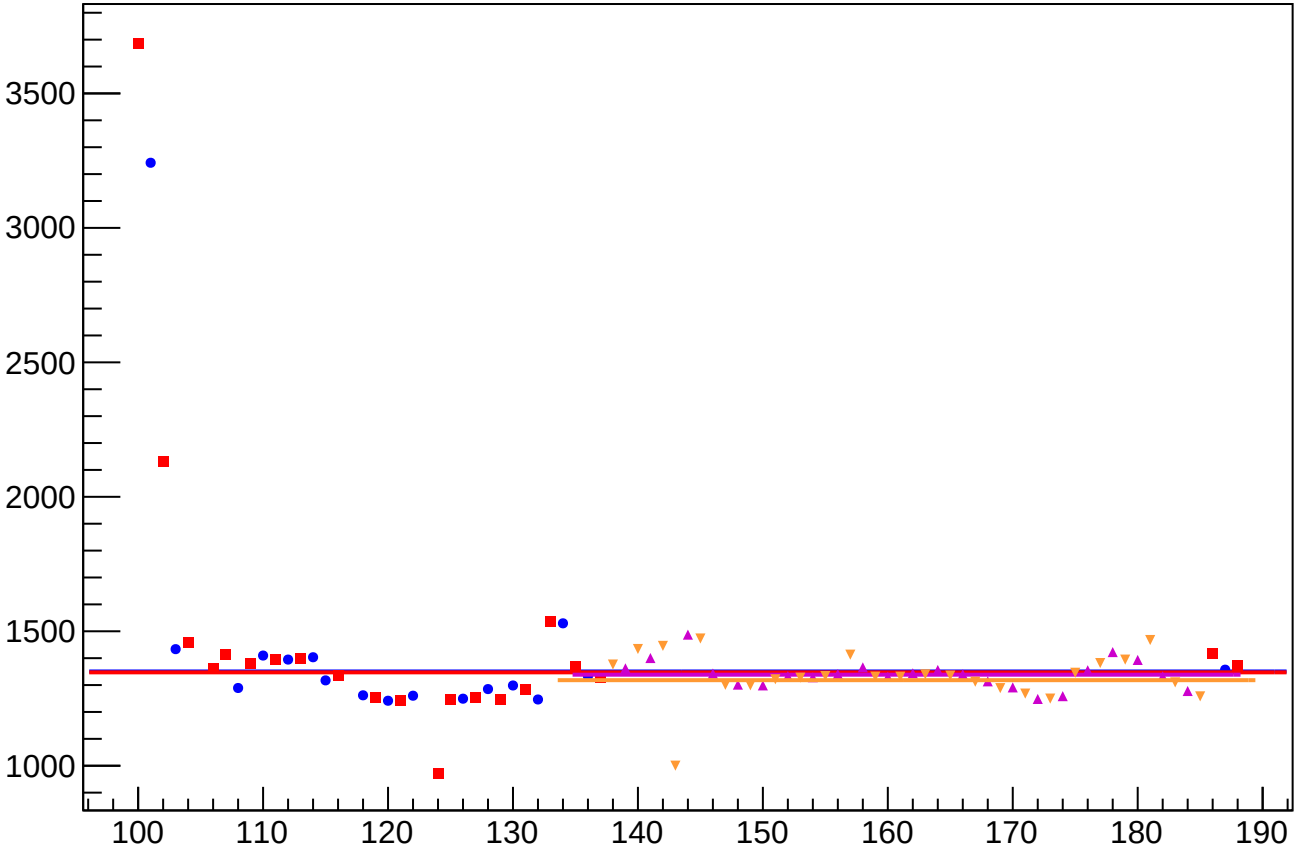
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1595.160+/-258.230 χ^2/NDF: 50.0/41

All: -370.557+/-183.036 χ^2/NDF: 213.9/85

- sign -2355.331+/-259.478 χ^2/NDF: 47.4/43

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.549+/-0.357 χ^2/NDF: 494060.5/16

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

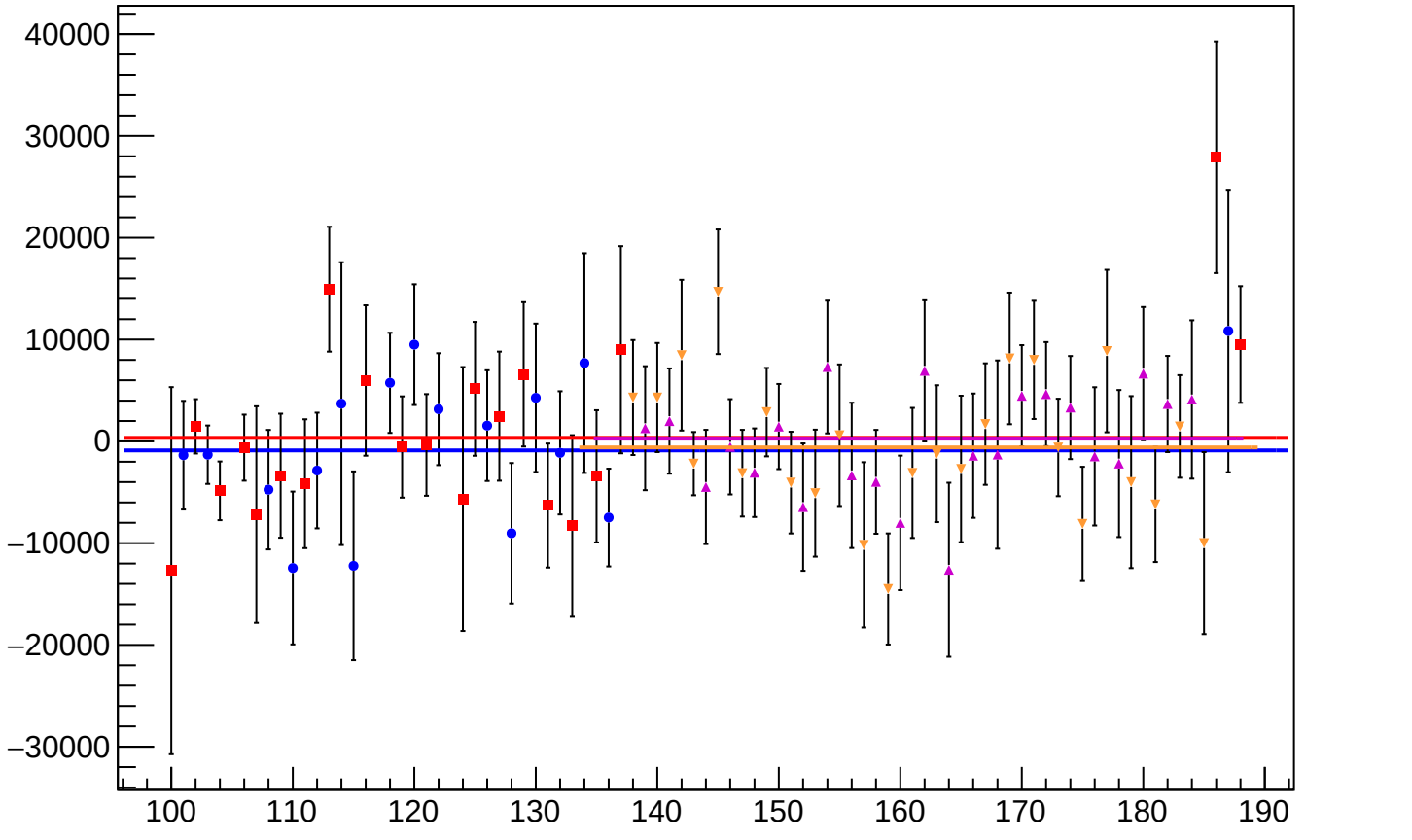
Right Out: 1347.284+/-0.328 χ^2/NDF: 275136.9/20

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1326.646+/-0.183 χ^2/NDF: 748681.9/41

All: 1333.947+/-0.129 χ^2/NDF: 1081760.1/85

- sign 1341.315+/-0.183 χ^2/NDF: 329866.5/43



Right In: -886.563+/-1397.317 χ^2/NDF: 15.3/16

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

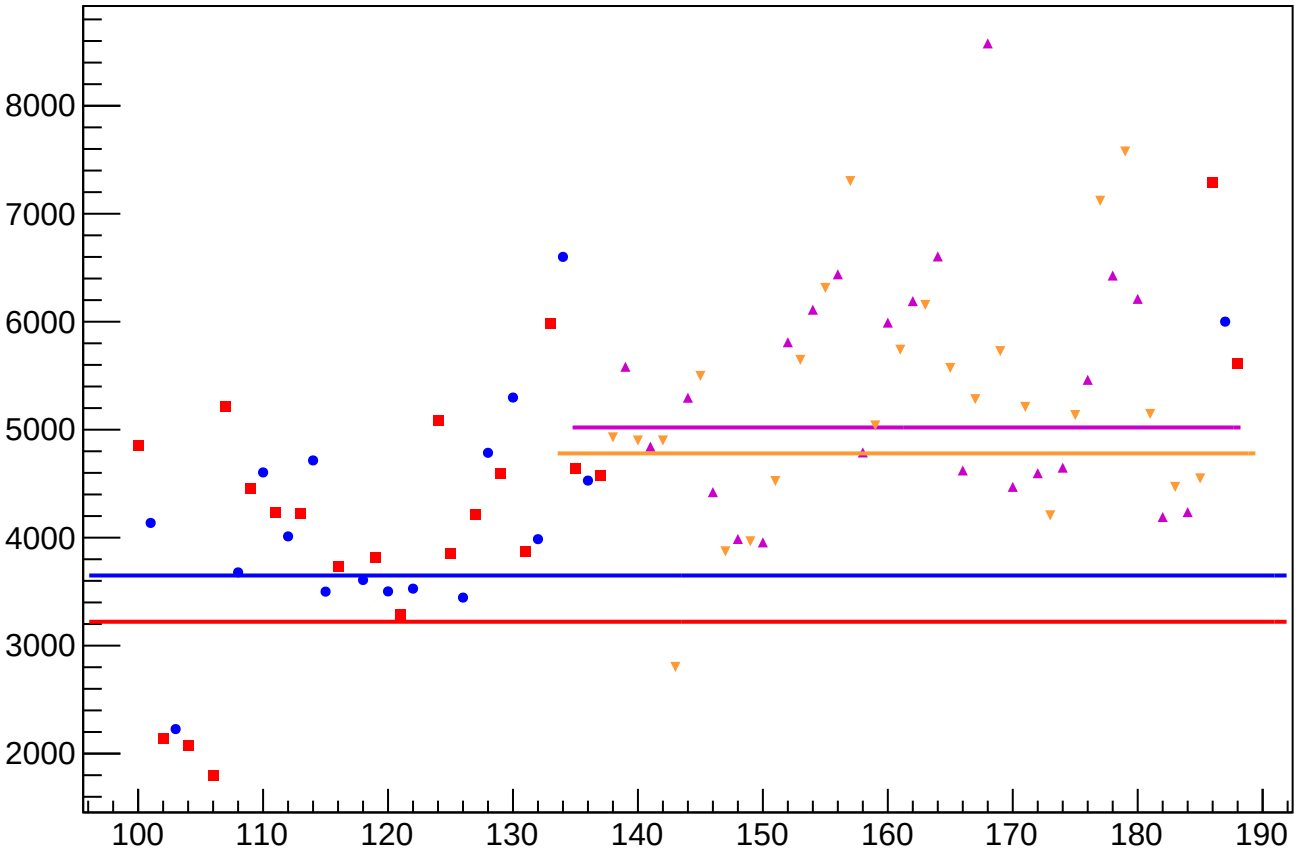
Right Out: 347.201+/-1170.613 χ^2/NDF: 25.0/20

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

\+ sign -709.279+/-875.003 χ^2/NDF: 44.9/41

All: -176.477+/-604.782 χ^2/NDF: 84.0/85

\- sign 310.880+/-836.855 χ^2/NDF: 38.4/43



Right In: 3649.603+/-0.988 χ^2/NDF: 1002921.4/16

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

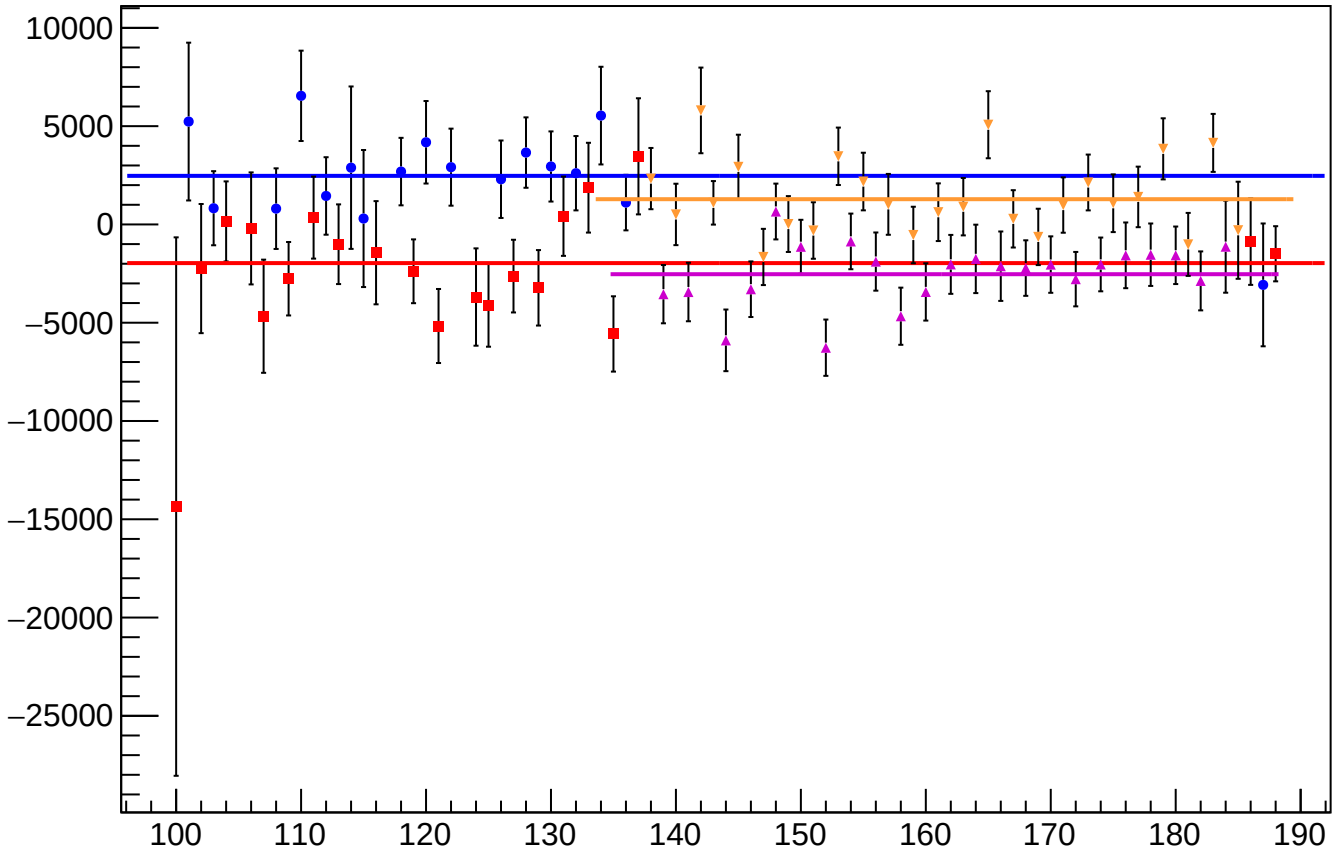
Right Out: 3221.153+/-0.828 χ^2/NDF: 2473547.6/20

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4336.979+/-0.619 χ^2/NDF: 3805358.5/41

All: 4213.708+/-0.428 χ^2/NDF: 9890555.3/85

- sign 4100.951+/-0.592 χ^2/NDF: 6009193.1/43



Right In: 2471.843+/-504.790 χ^2/NDF: 12.6/16

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -1966.677+/-464.352 χ^2/NDF: 21.4/20

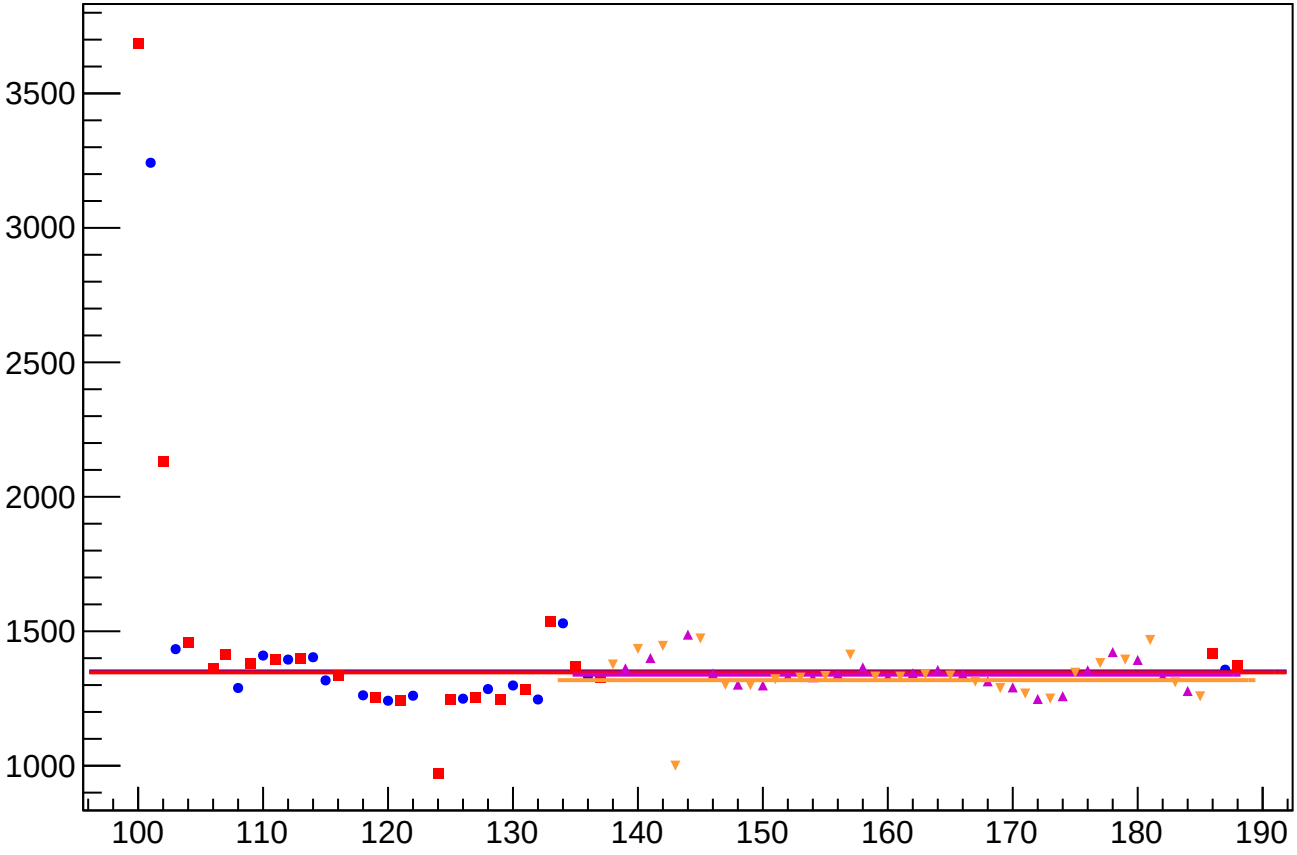
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1595.157+/-258.230 χ^2/NDF: 50.0/41

All: -370.559+/-183.036 χ^2/NDF: 213.9/85

- sign -2355.332+/-259.478 χ^2/NDF: 47.4/43

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.548+/-0.357 χ^2/NDF: 494060.6/16

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

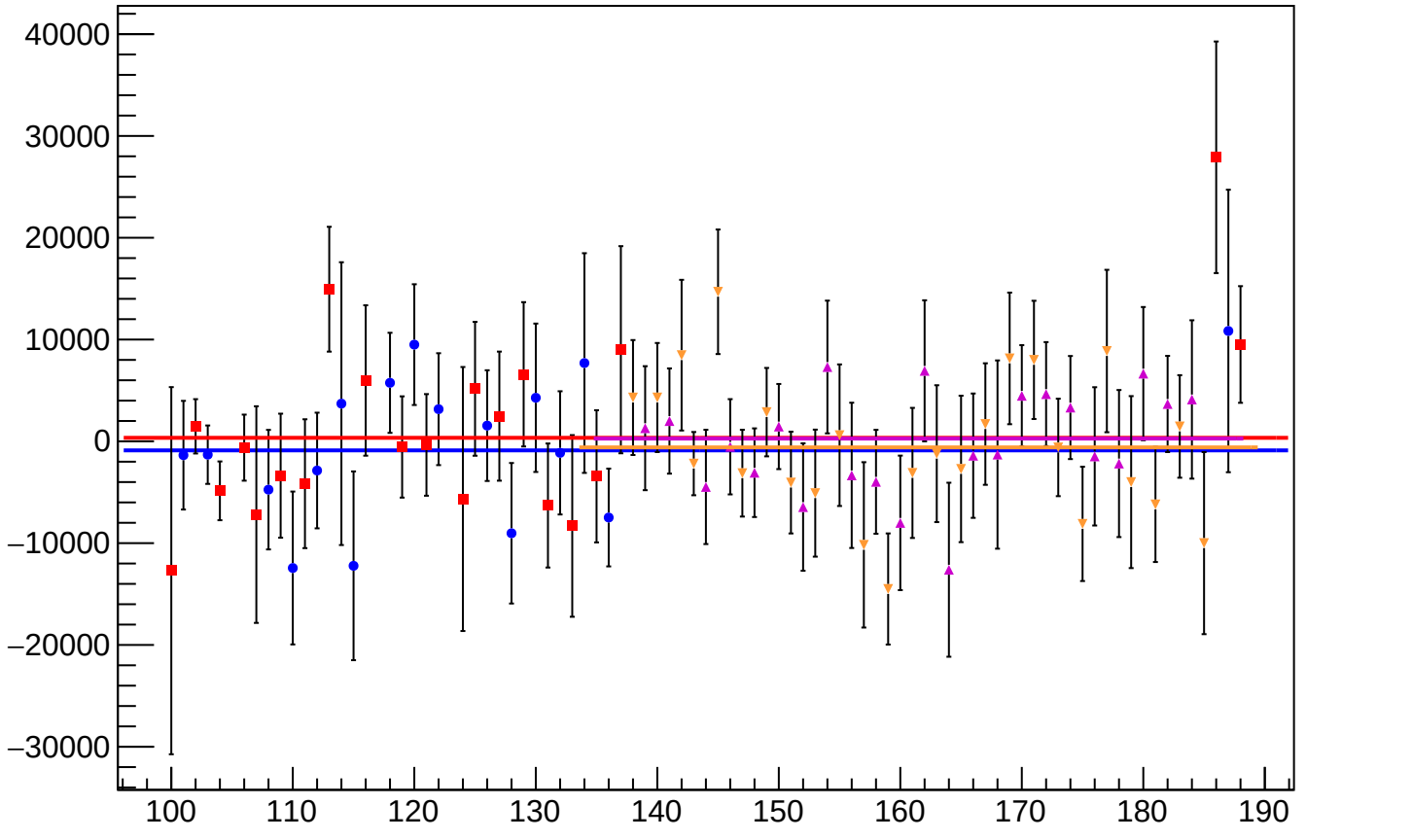
Right Out: 1347.283+/-0.328 χ^2/NDF: 275135.9/20

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1326.647+/-0.183 χ^2/NDF: 748683.9/41

All: 1333.947+/-0.129 χ^2/NDF: 1081763.4/85

- sign 1341.316+/-0.183 χ^2/NDF: 329867.8/43



Right In: -886.555+/-1397.314 χ^2/NDF: 15.3/16

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

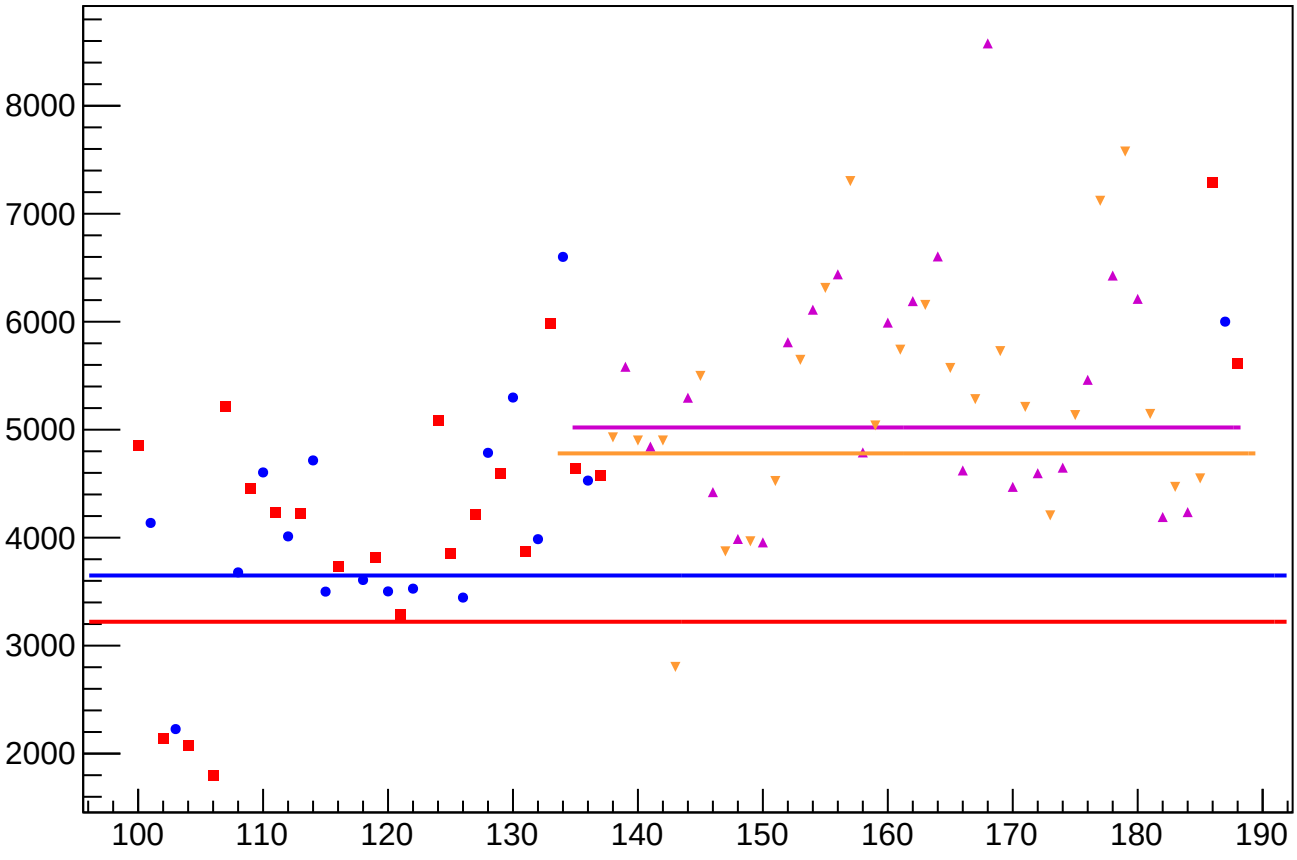
Right Out: 347.196+/-1170.610 χ^2/NDF: 25.0/20

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -709.279+/-875.003 χ^2/NDF: 44.9/41

All: -176.478+/-604.782 χ^2/NDF: 84.0/85

- sign 310.878+/-836.854 χ^2/NDF: 38.4/43



Right In: 3649.594+/-0.988 χ^2/NDF: 1002924.3/16

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3221.144+/-0.828 χ^2/NDF: 2473555.5/20

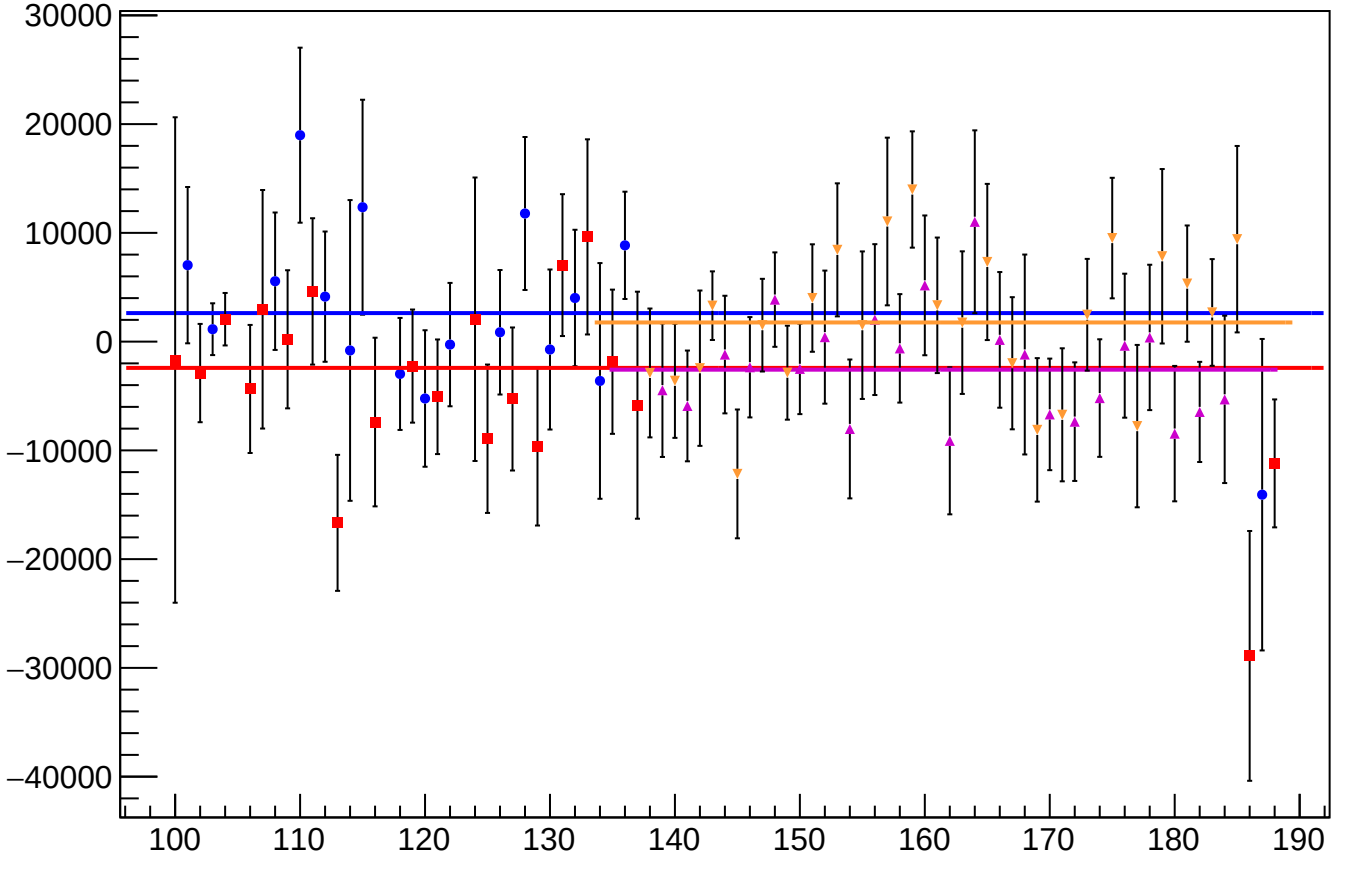
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4336.978+/-0.619 χ^2/NDF: 3805387.7/41

All: 4213.705+/-0.428 χ^2/NDF: 9890642.0/85

- sign 4100.947+/-0.592 χ^2/NDF: 6009248.3/43

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2623.682+/-1382.945 χ^2/NDF: 14.5/16

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -2415.162+/-1295.446 χ^2/NDF: 24.7/20

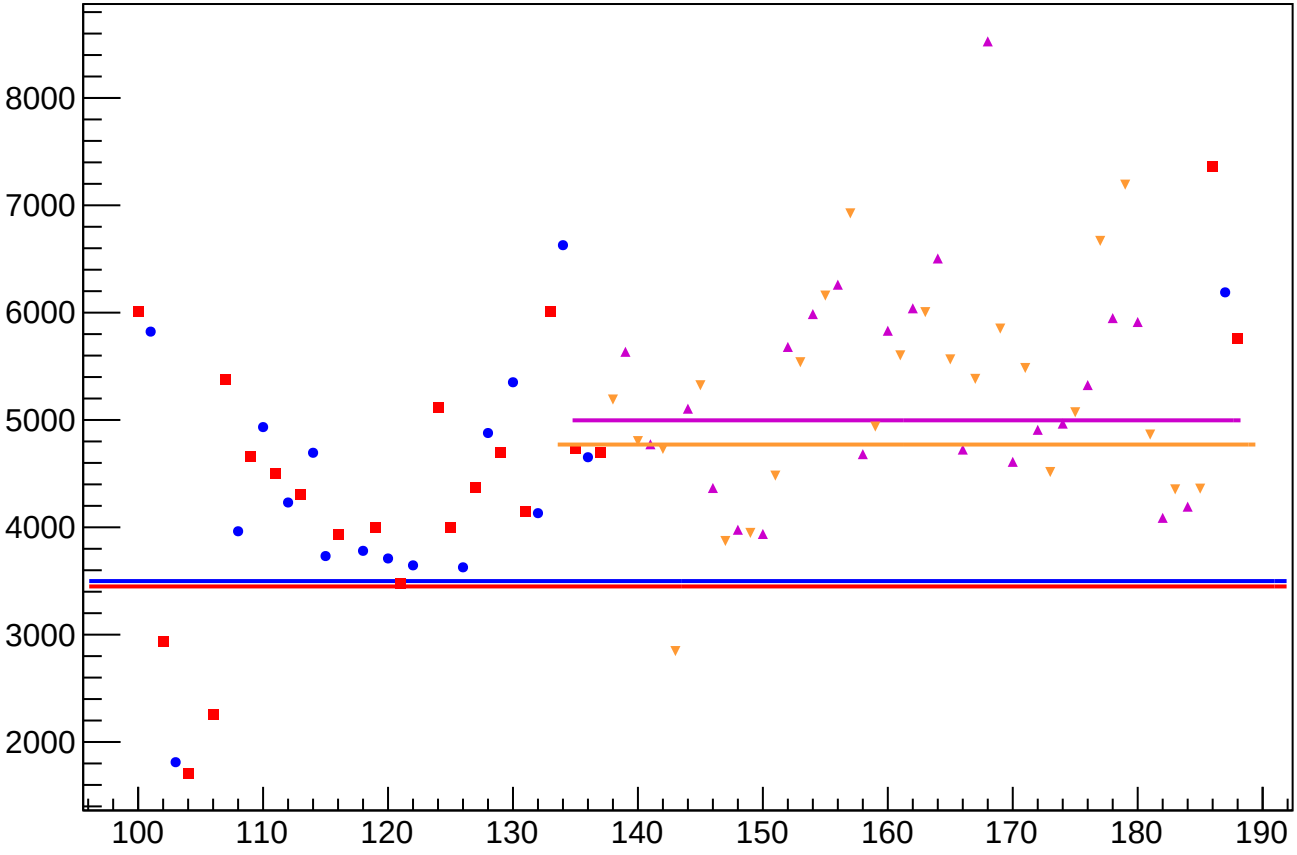
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

\+ sign 2101.726+/-868.597 χ^2/NDF: 42.5/41

All: -182.578+/-616.703 χ^2/NDF: 94.4/85

\- sign -2504.647+/-875.747 χ^2/NDF: 38.0/43

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3499.219+/-0.978 χ^2/NDF: 1915187.3/16

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

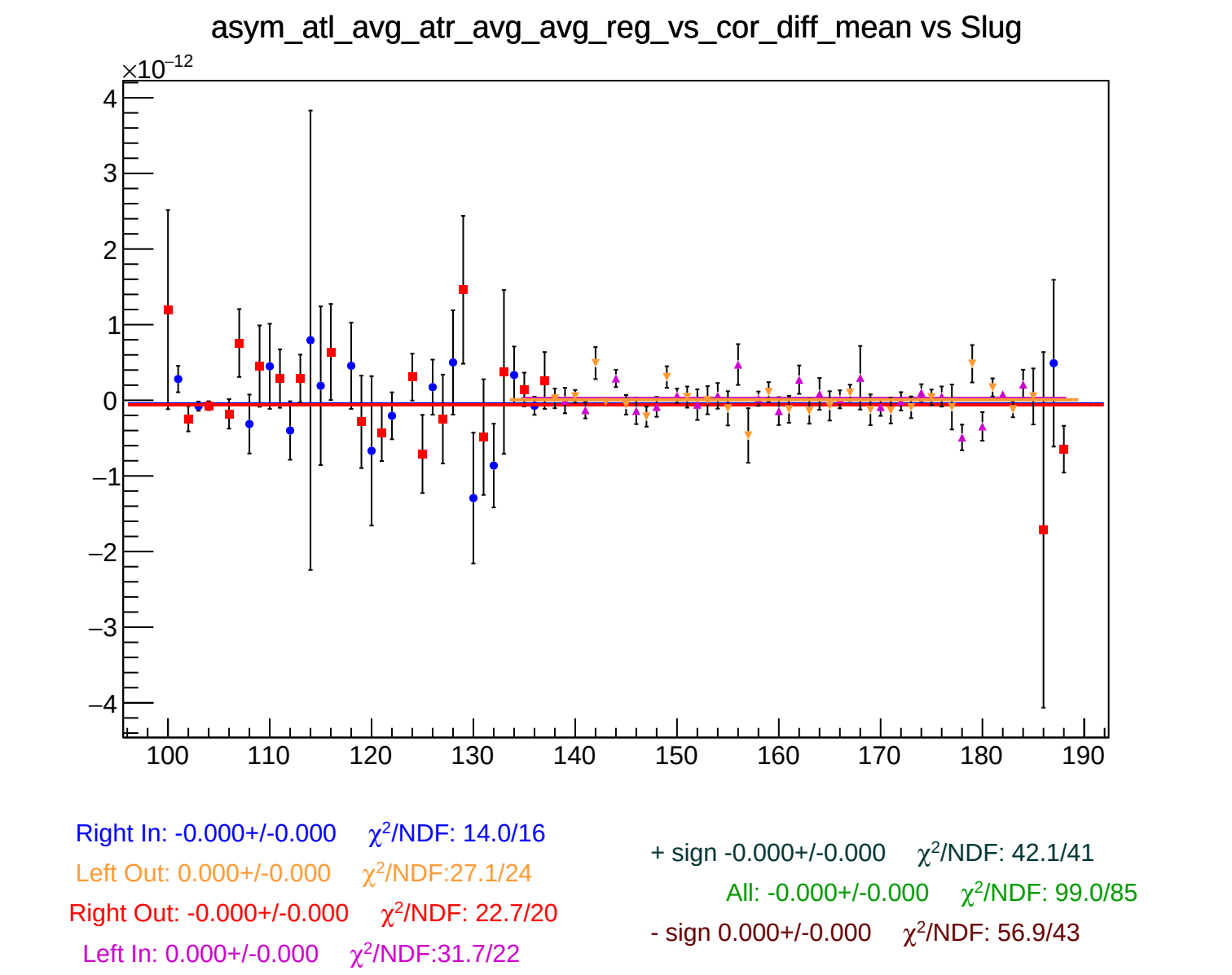
Right Out: 3449.058+/-0.904 χ^2/NDF: 2447813.5/20

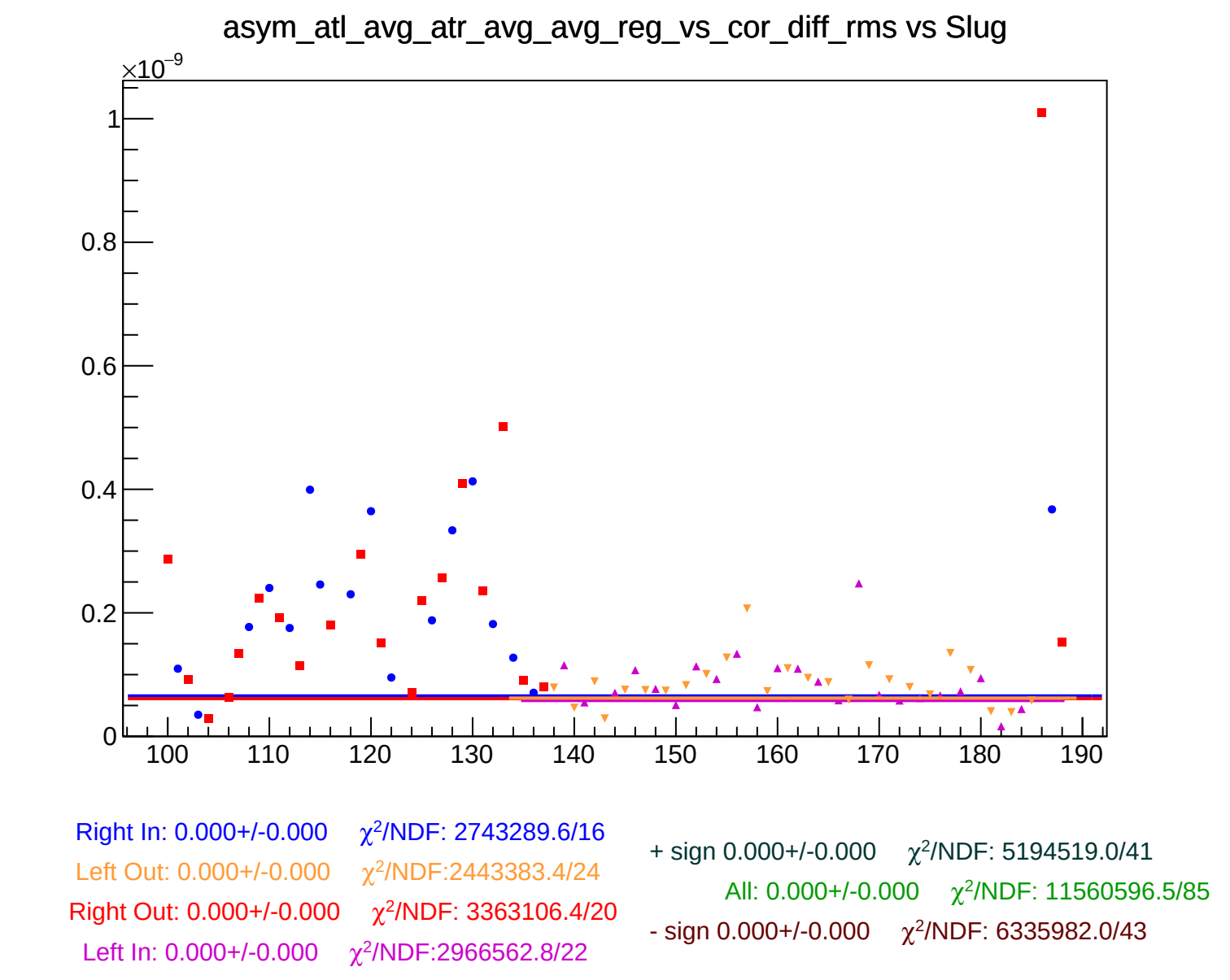
Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

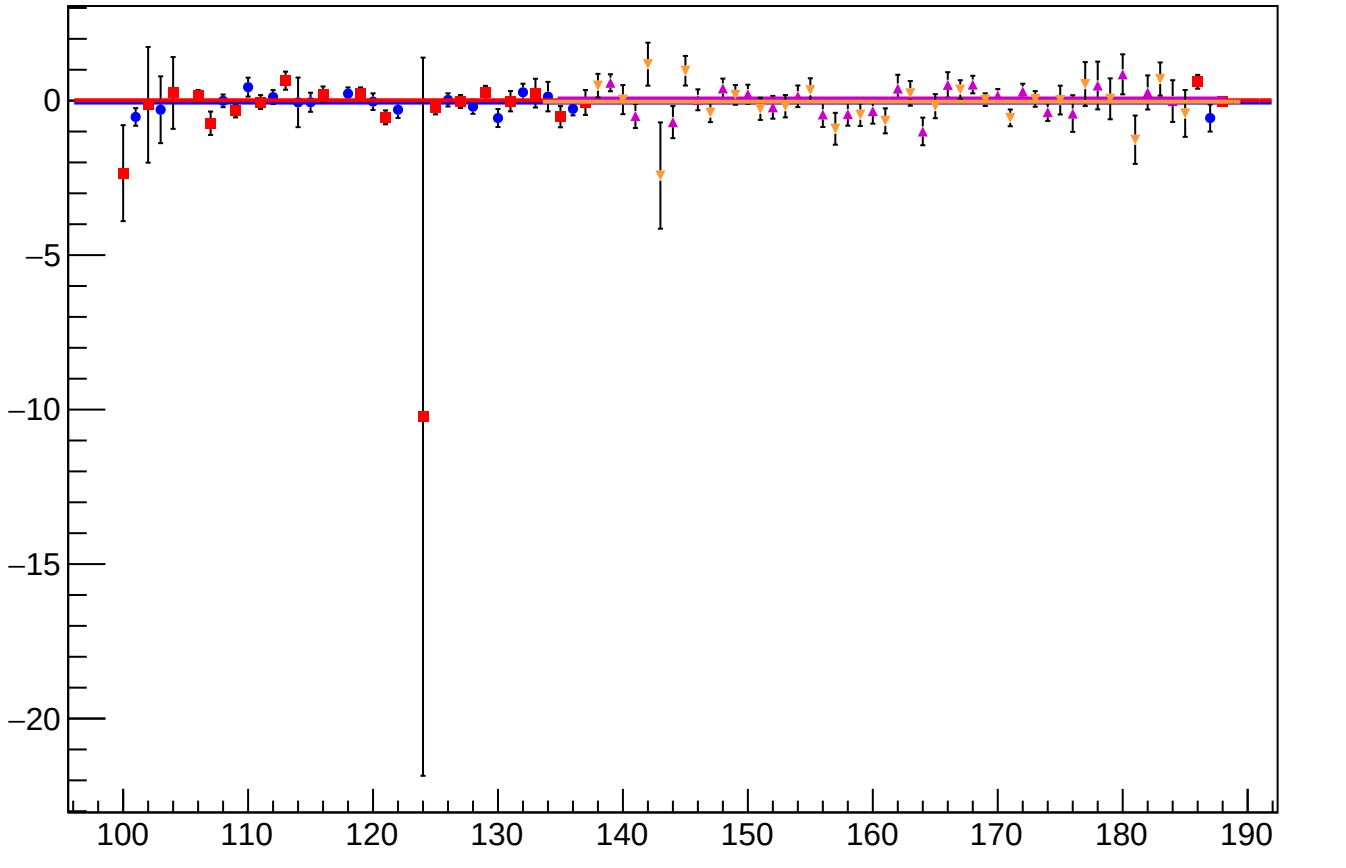
+ sign 4269.410+/-0.614 χ^2/NDF: 4726741.7/41

All: 4274.440+/-0.435 χ^2/NDF: 9842386.0/85

- sign 4279.493+/-0.616 χ^2/NDF: 5115509.9/43


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 14.0/16
Left Out: 0.000+/-0.000 χ²/NDF:27.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.7/20
Left In: 0.000+/-0.000 χ²/NDF:31.7/22
+ sign -0.000+/-0.000 χ²/NDF: 42.1/41
All: -0.000+/-0.000 χ²/NDF: 99.0/85
- sign 0.000+/-0.000 χ²/NDF: 56.9/43


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2743289.6/16
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3363106.4/20
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
+ sign 0.000+/-0.000 χ²/NDF: 5194519.0/41
All: 0.000+/-0.000 χ²/NDF: 11560596.5/85
- sign 0.000+/-0.000 χ²/NDF: 6335982.0/43



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.012+/-0.054 χ^2/NDF: 35.1/20

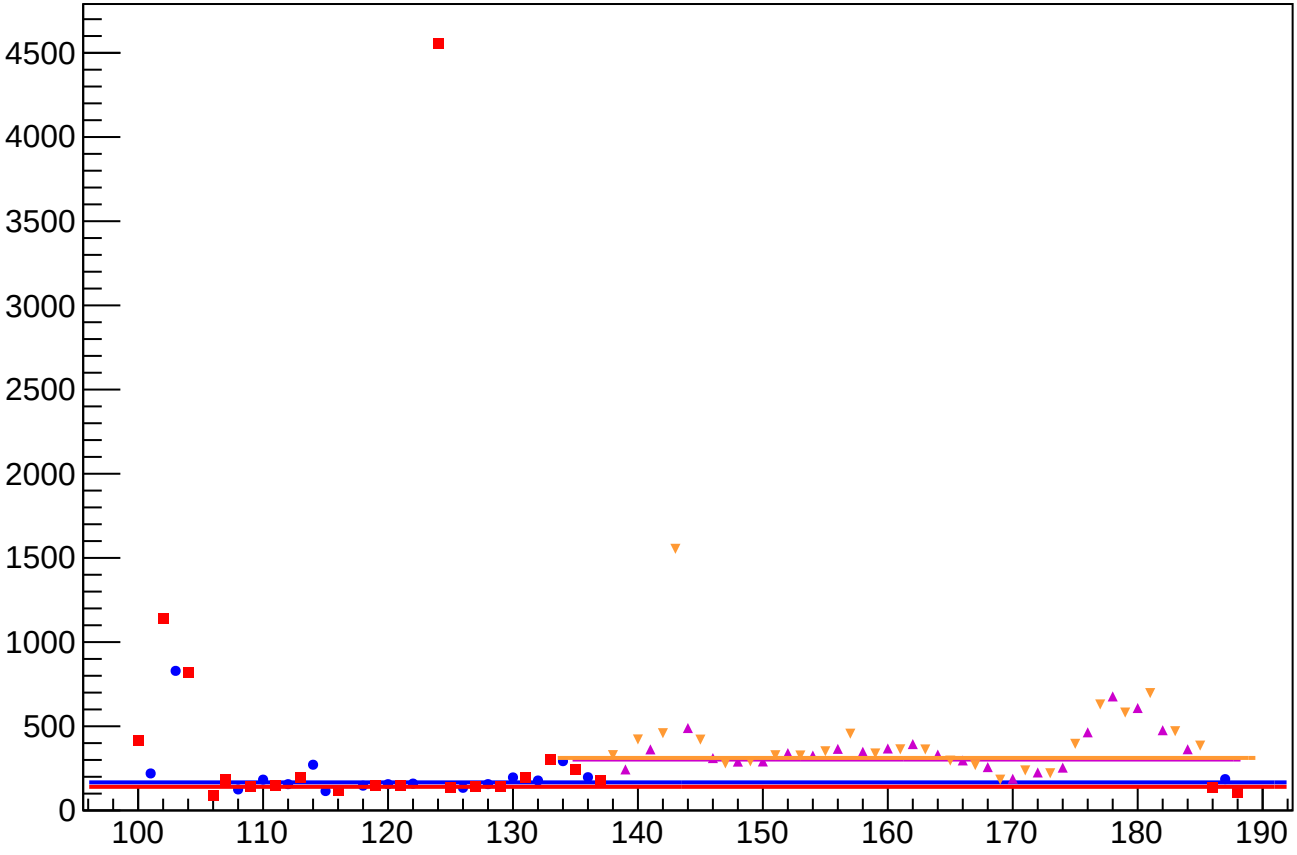
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.051+/-0.050 χ^2/NDF: 48.8/41

All: -0.004+/-0.033 χ^2/NDF: 115.8/85

- sign 0.032+/-0.044 χ^2/NDF: 65.4/43

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 166.806+/-0.047 χ^2/NDF: 1286680.0/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

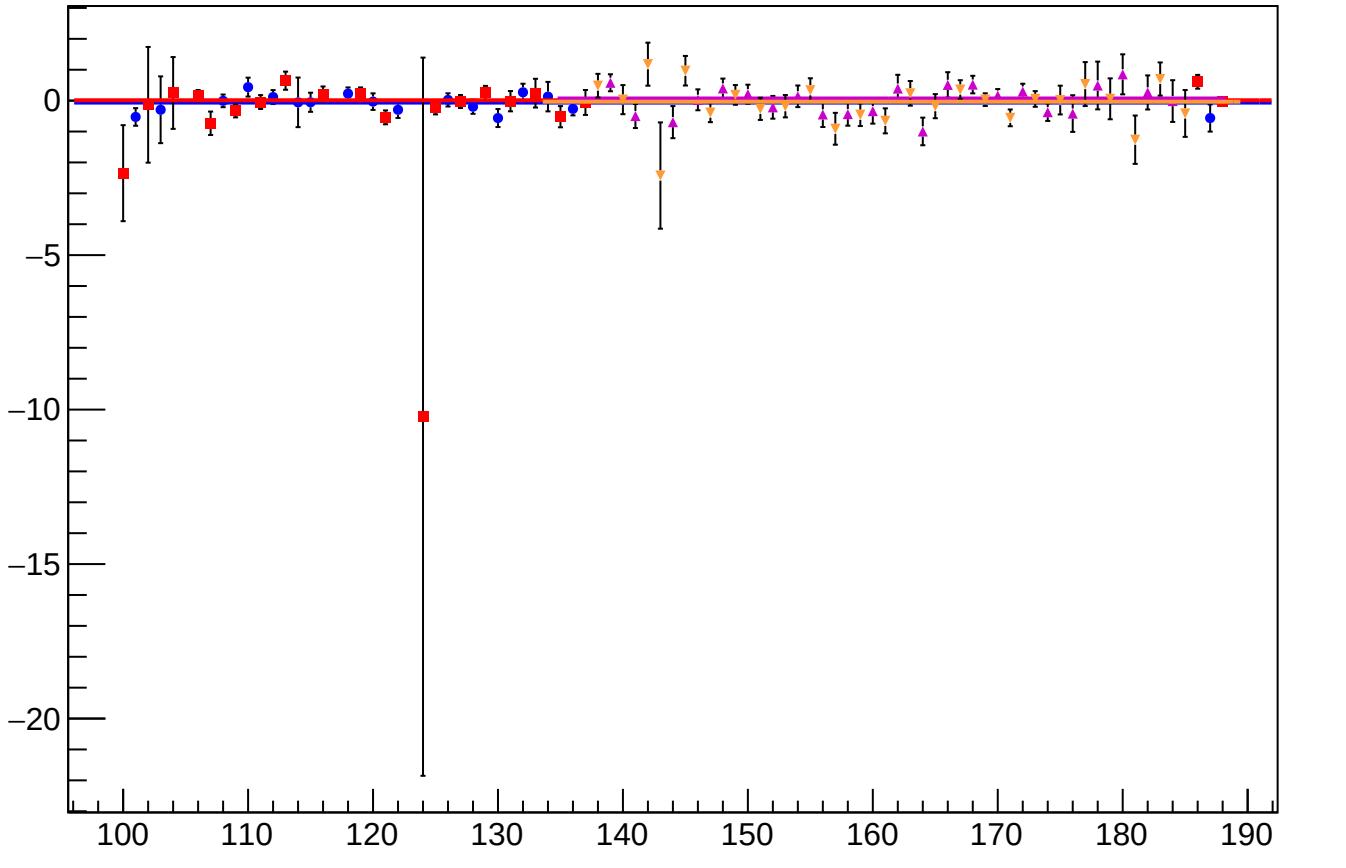
Right Out: 140.359+/-0.038 χ^2/NDF: 2571199.1/20

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.553+/-0.035 χ^2/NDF: 9755697.5/41

All: 210.253+/-0.023 χ^2/NDF: 21747984.7/85

- sign 196.124+/-0.031 χ^2/NDF: 11517686.0/43



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

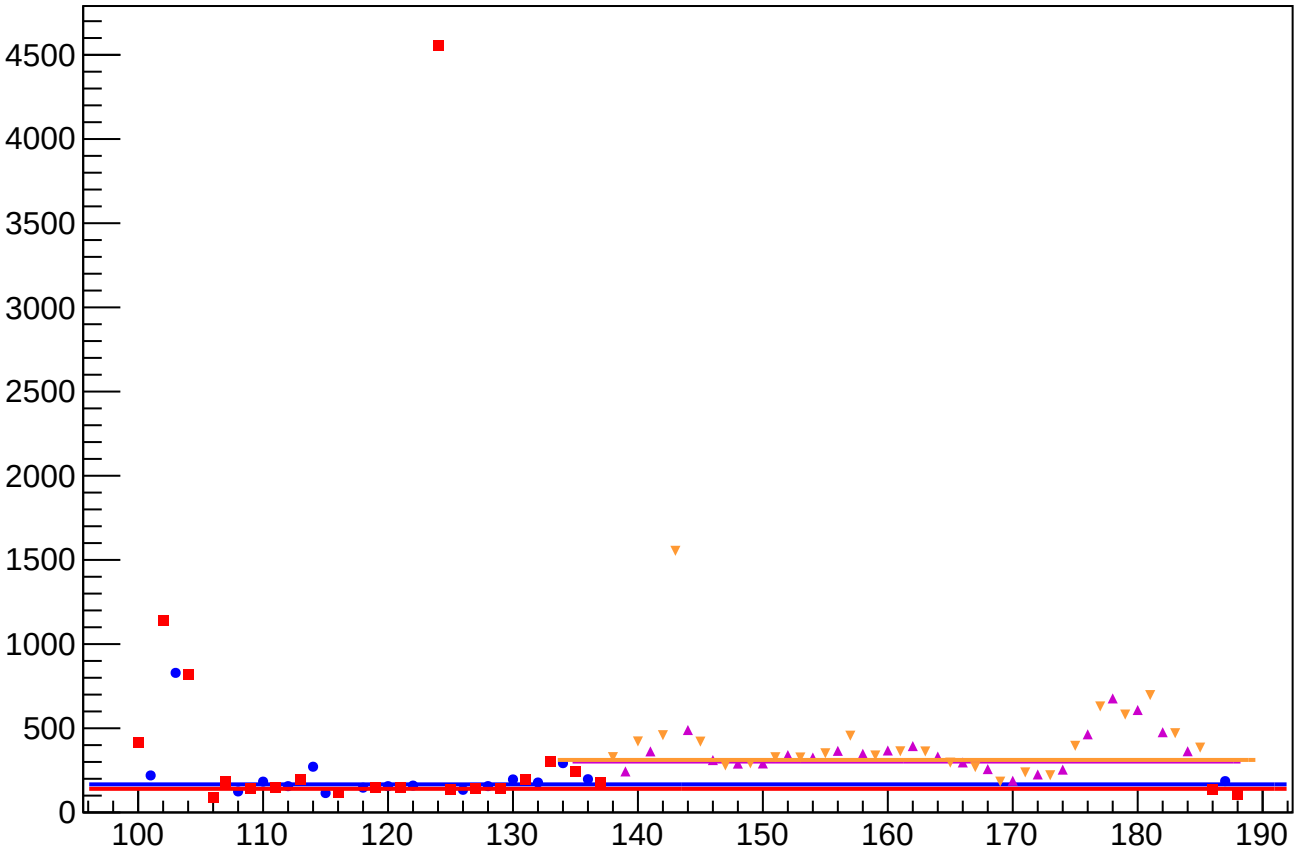
Right Out: 0.012+/-0.054 χ^2/NDF: 35.1/20

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.051+/-0.050 χ^2/NDF: 48.8/41

All: -0.004+/-0.033 χ^2/NDF: 115.8/85

- sign 0.032+/-0.044 χ^2/NDF: 65.4/43



Right In: 166.806+/-0.047 χ^2/NDF: 1286680.0/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

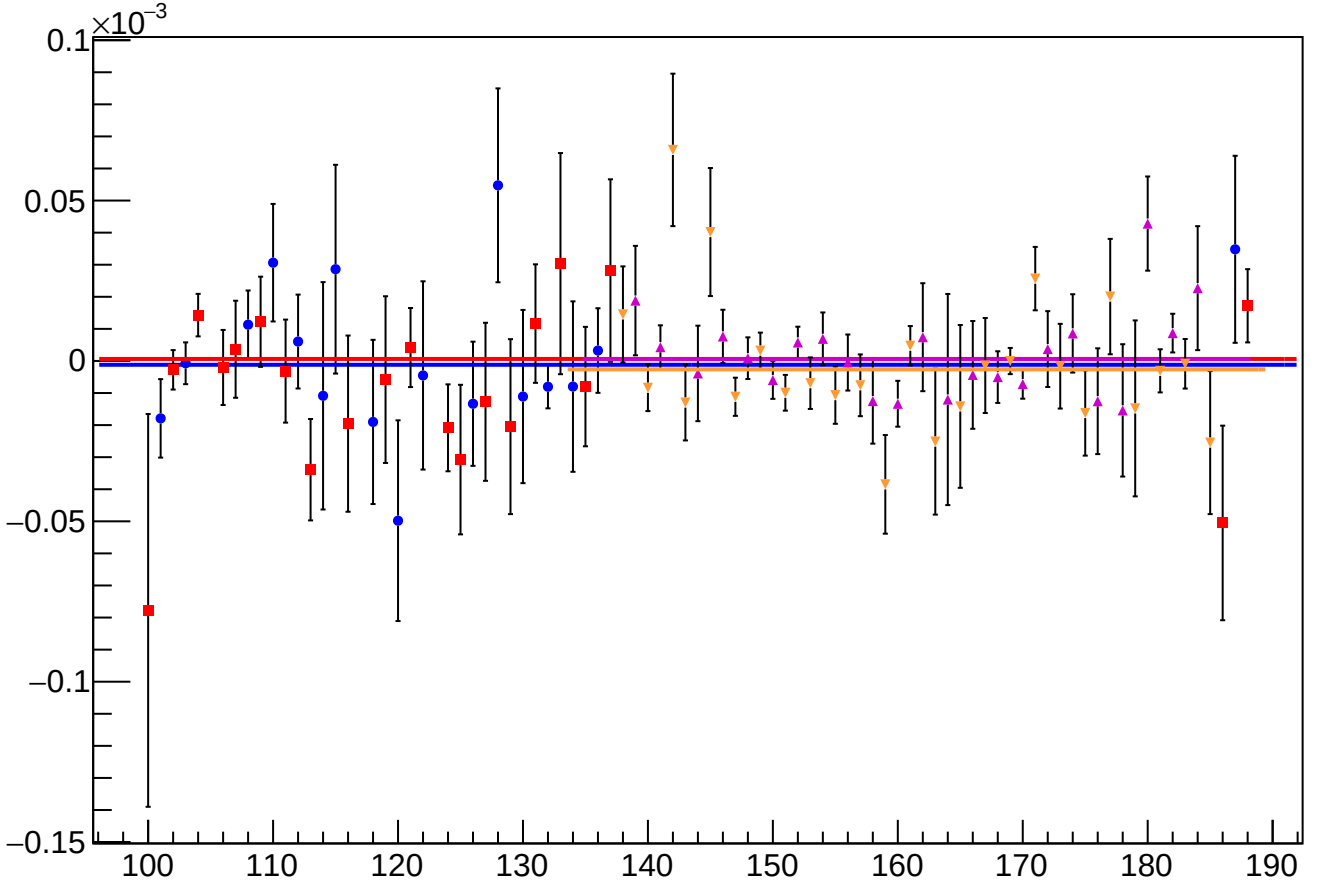
Right Out: 140.359+/-0.038 χ^2/NDF: 2571199.1/20

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.553+/-0.035 χ^2/NDF: 9755697.5/41

All: 210.253+/-0.023 χ^2/NDF: 21747984.7/85

- sign 196.124+/-0.031 χ^2/NDF: 11517686.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

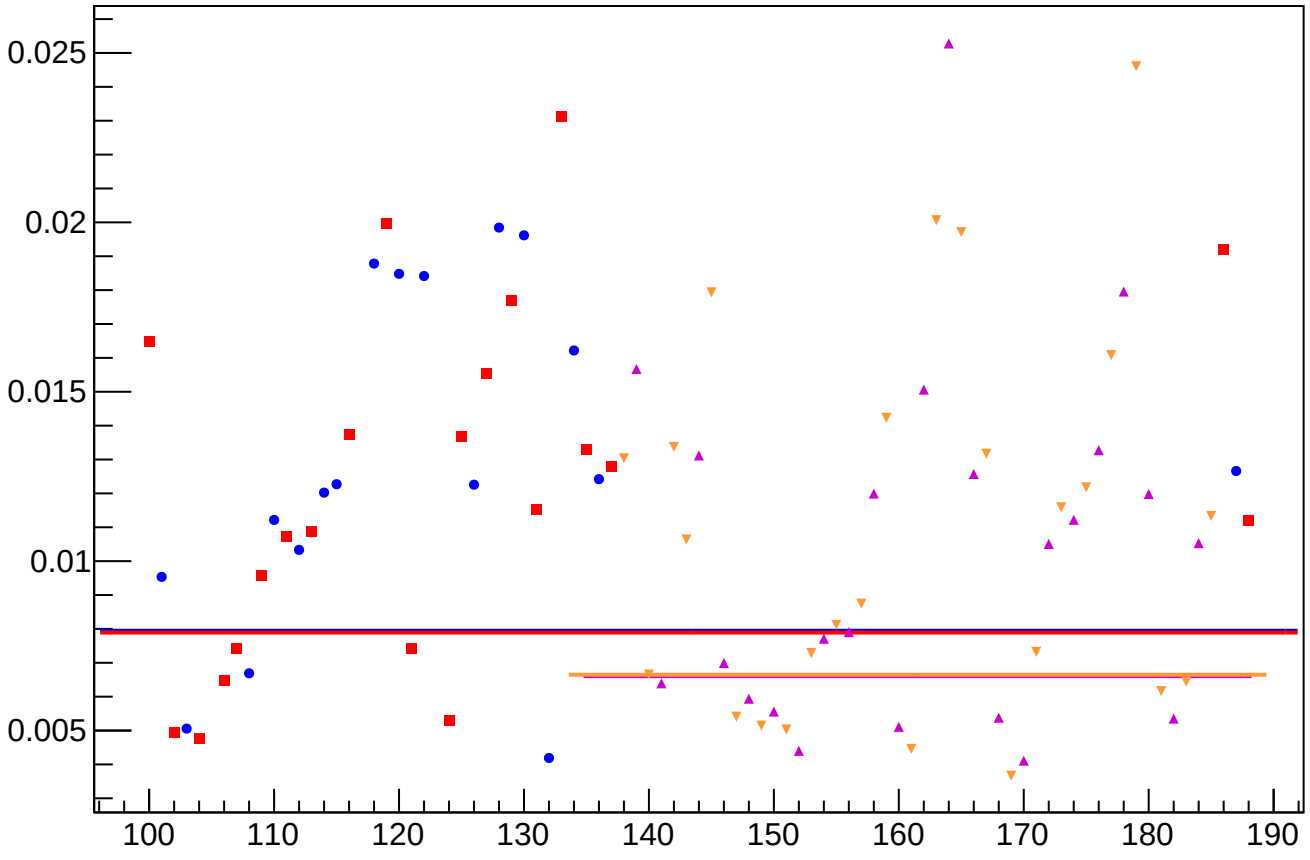
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/20

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.6/41

All: -0.000+/-0.000 χ^2/NDF: 113.1/85

- sign 0.000+/-0.000 χ^2/NDF: 51.8/43



Right In: 0.008+/-0.000 χ^2/NDF: 3354777.9/16

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

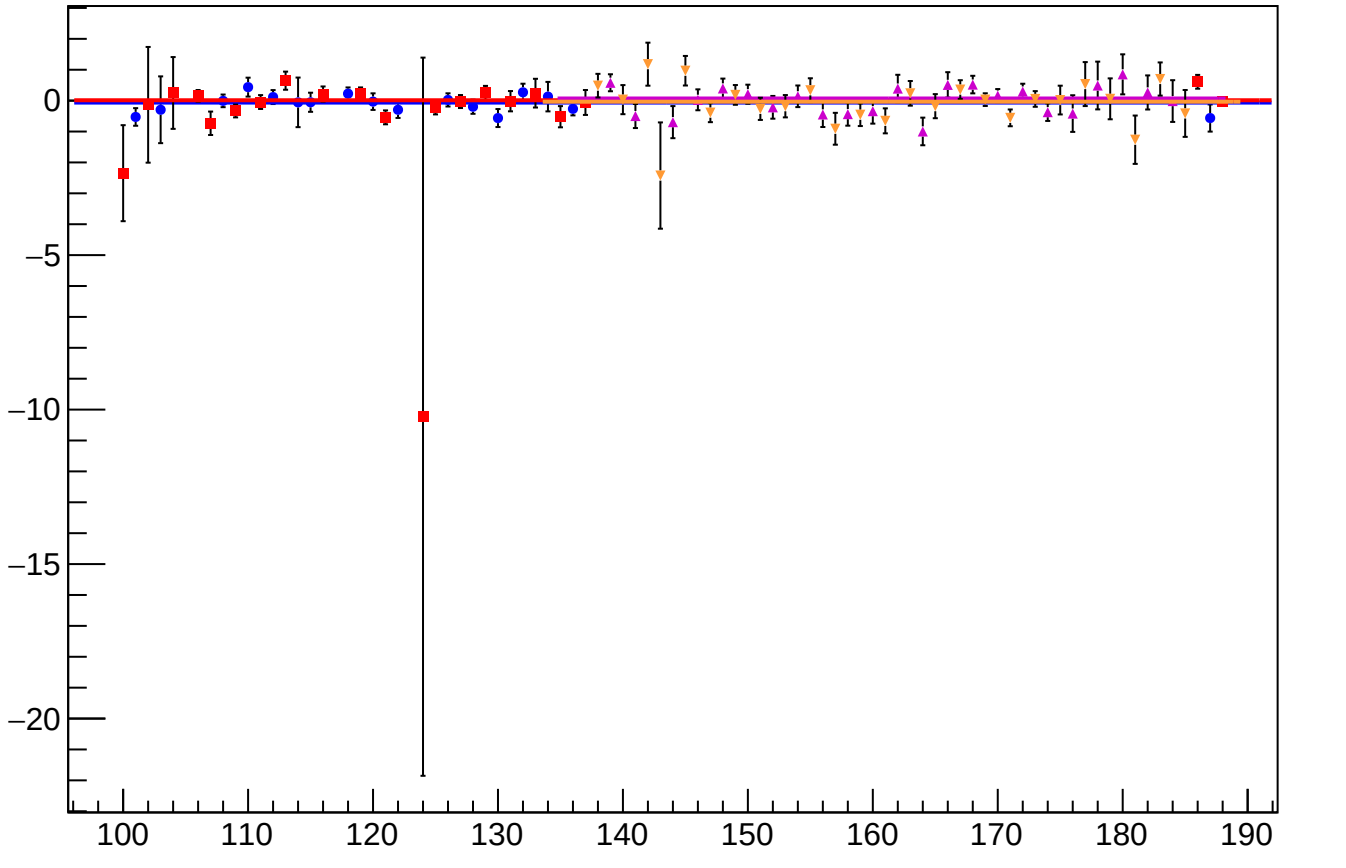
Right Out: 0.008+/-0.000 χ^2/NDF: 3448805.3/20

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 11102305.4/41

All: 0.007+/-0.000 χ^2/NDF: 20677742.6/85

- sign 0.007+/-0.000 χ^2/NDF: 9575286.8/43



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

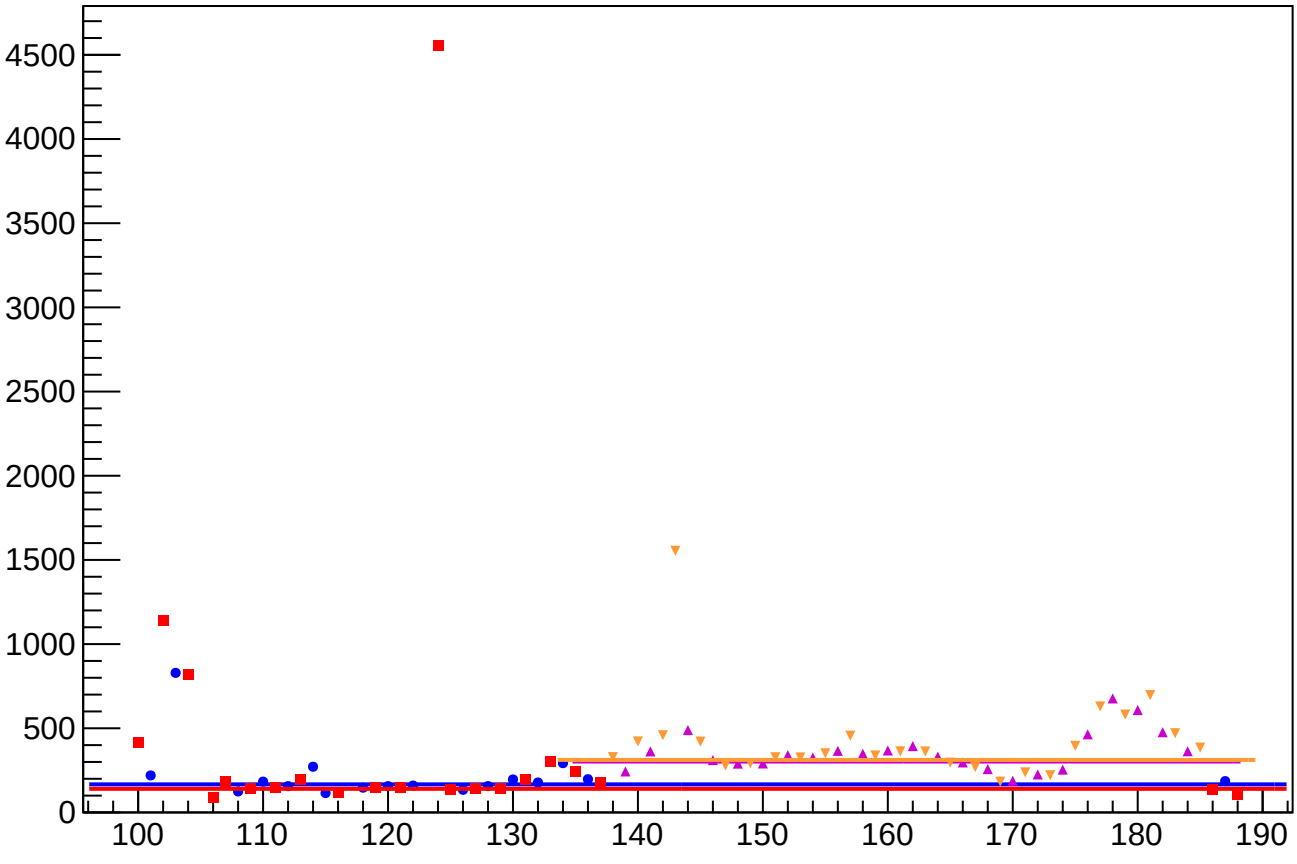
Right Out: 0.012+/-0.054 χ^2/NDF: 35.1/20

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.051+/-0.050 χ^2/NDF: 48.8/41

All: -0.004+/-0.033 χ^2/NDF: 115.8/85

- sign 0.032+/-0.044 χ^2/NDF: 65.4/43



Right In: 166.805+/-0.047 χ^2/NDF: 1286676.9/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

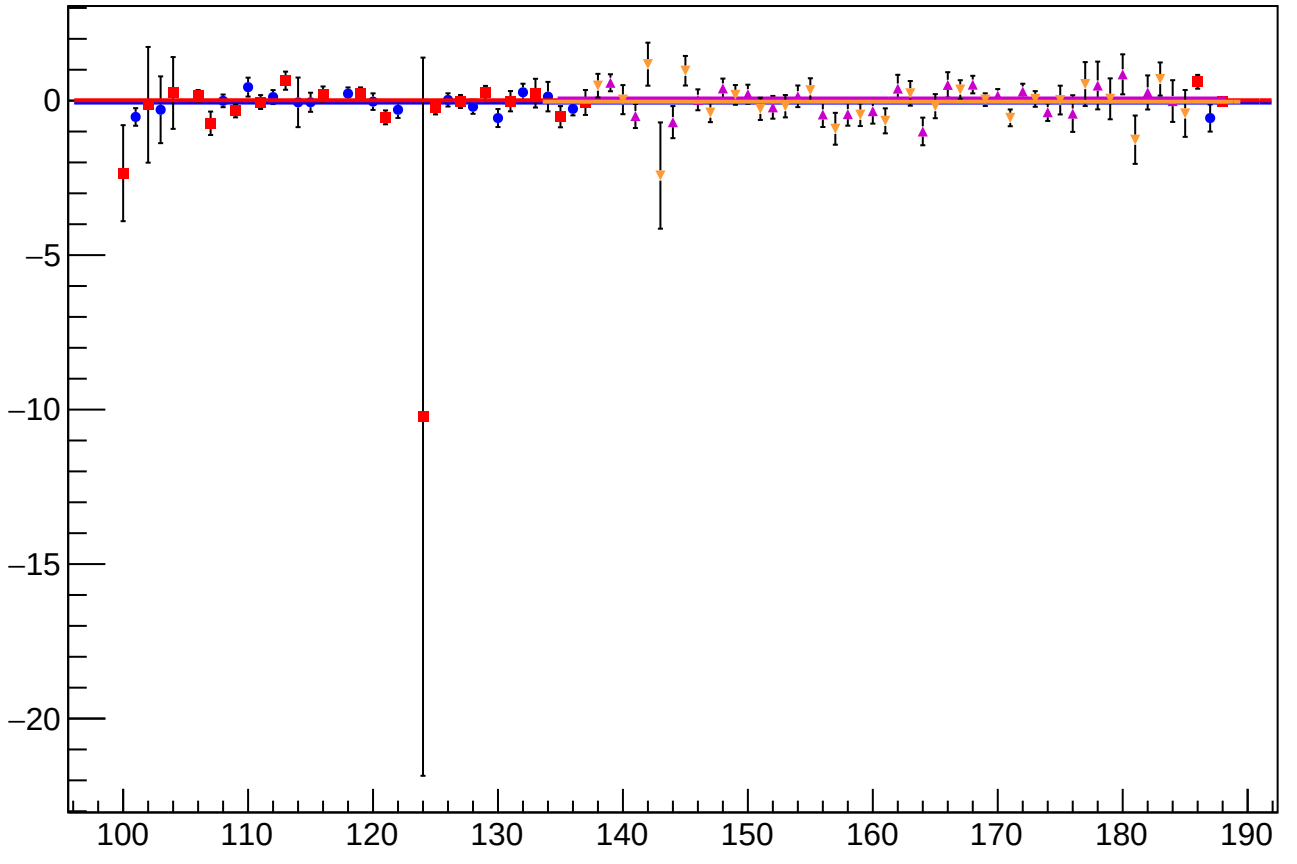
Right Out: 140.355+/-0.038 χ^2/NDF: 2571303.8/20

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 228.552+/-0.035 χ^2/NDF: 9755950.7/41

All: 210.249+/-0.023 χ^2/NDF: 21749064.7/85

- sign 196.120+/-0.031 χ^2/NDF: 11518399.0/43



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

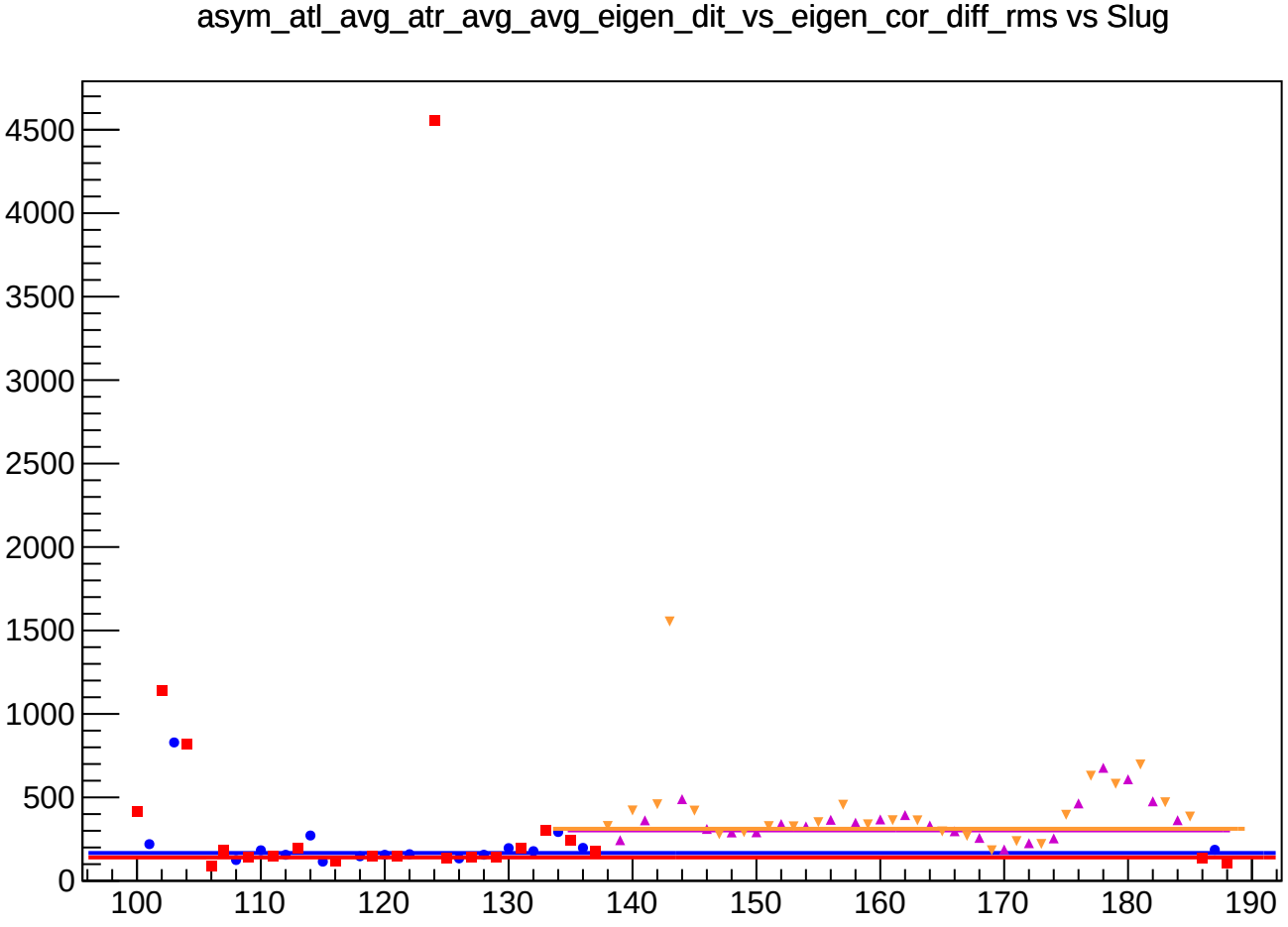
Right Out: 0.012+/-0.054 χ^2/NDF: 35.1/20

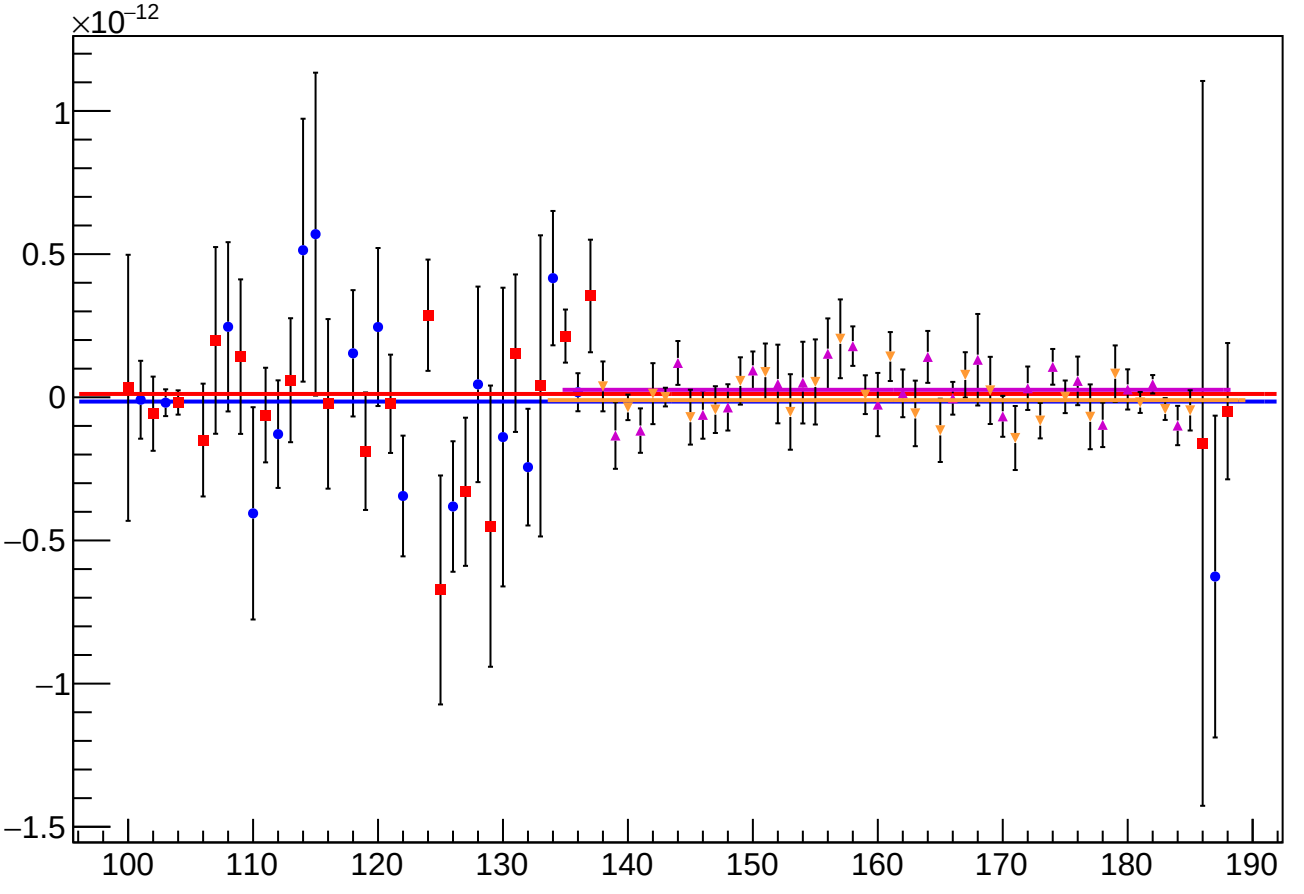
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.051+/-0.050 χ^2/NDF: 48.8/41

All: -0.004+/-0.033 χ^2/NDF: 115.8/85

- sign 0.032+/-0.044 χ^2/NDF: 65.4/43


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
190
Right In: 166.805+/-0.047 χ²/NDF: 1286676.9/16
Left Out: 311.961+/-0.054 χ²/NDF:4350376.6/24
Right Out: 140.355+/-0.038 χ²/NDF: 2571303.8/20
Left In: 302.377+/-0.053 χ²/NDF:2808874.8/22
+ sign 228.552+/-0.035 χ²/NDF: 9755950.7/41
All: 210.249+/-0.023 χ²/NDF: 21749064.7/85
- sign 196.120+/-0.031 χ²/NDF: 11518399.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

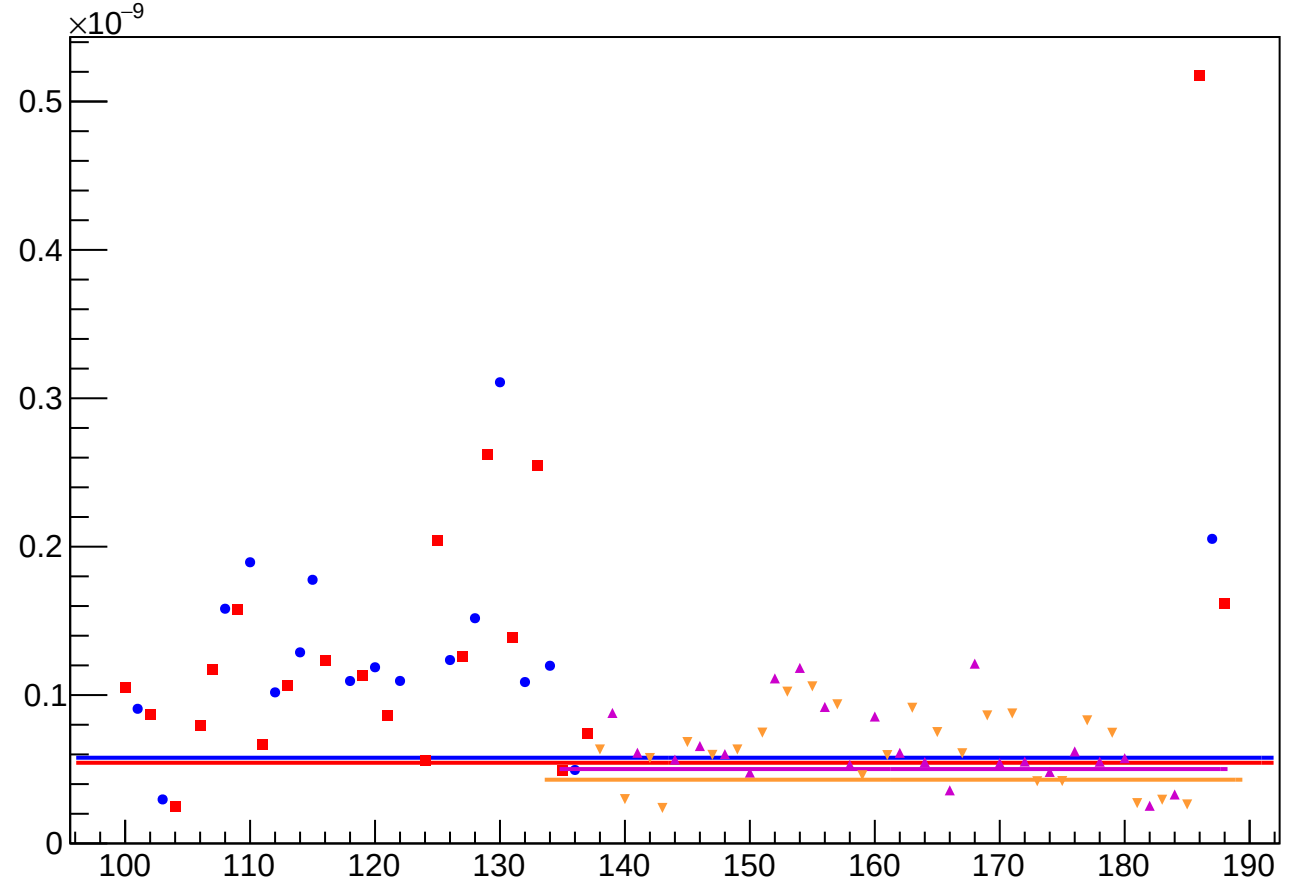
Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.5/41

All: 0.000+/-0.000 χ^2/NDF: 83.7/85

- sign 0.000+/-0.000 χ^2/NDF: 46.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 3121373.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3969899.4/20

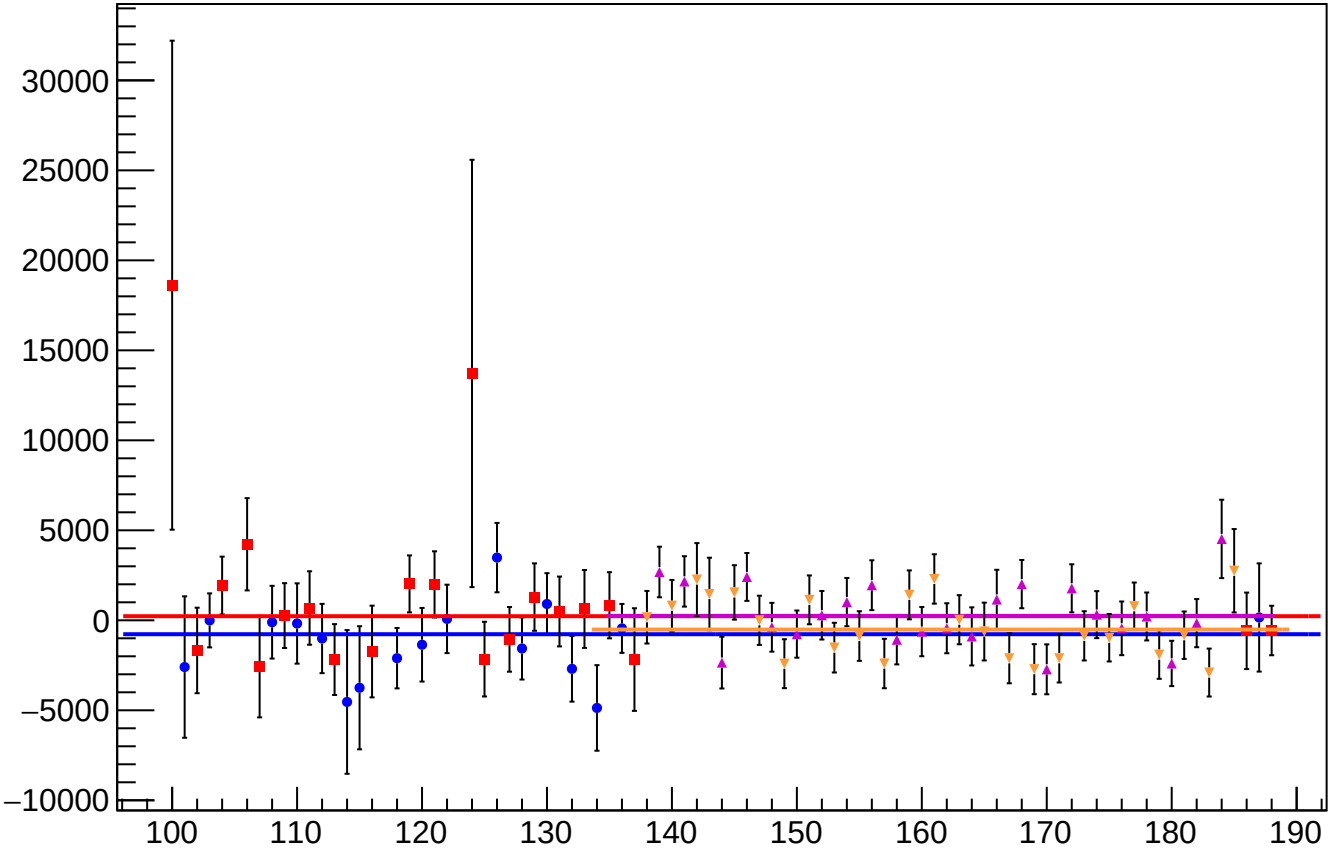
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8543842.3/41

All: 0.000+/-0.000 χ^2/NDF: 16356182.9/85

- sign 0.000+/-0.000 χ^2/NDF: 7611091.4/43

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -772.835+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 228.188+/-447.782 χ^2/NDF: 16.2/20

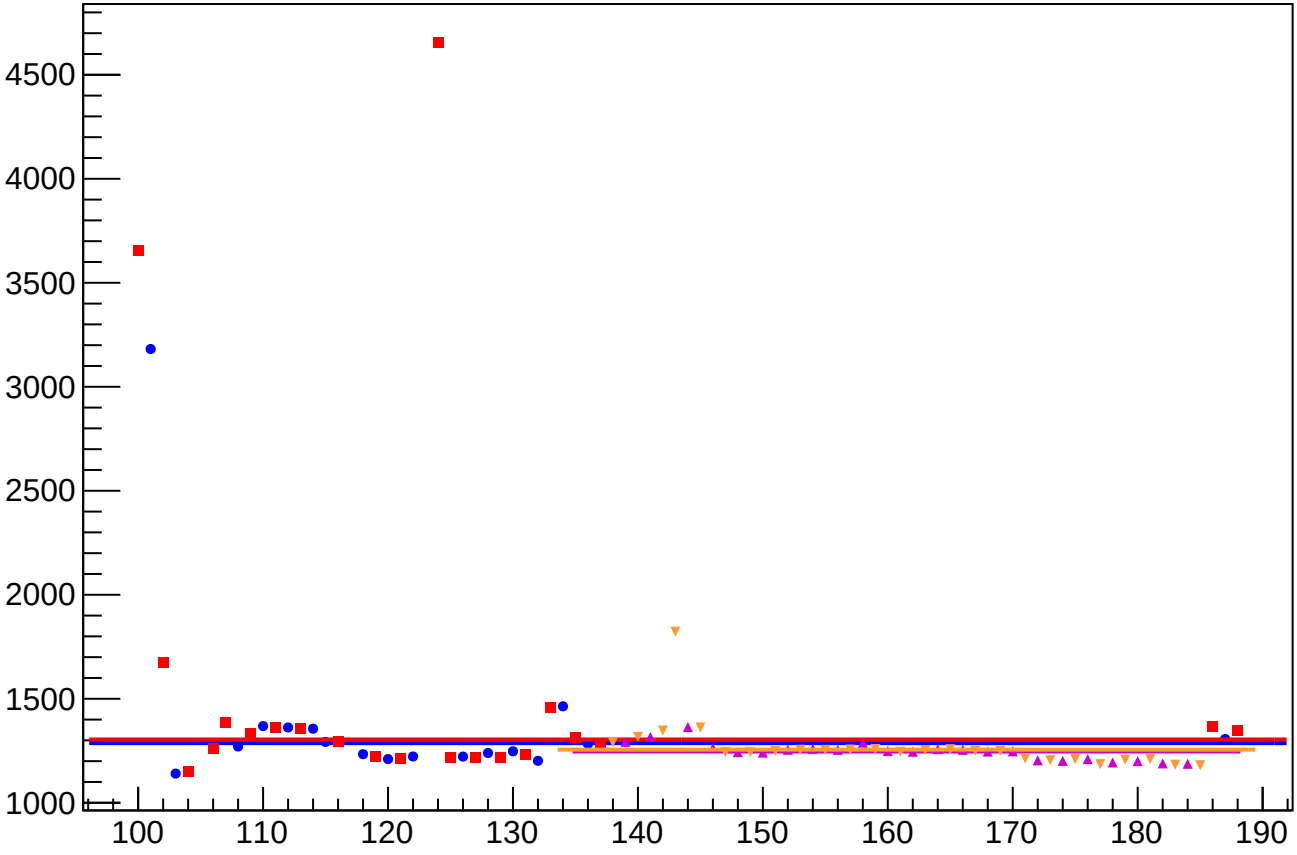
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -581.911+/-245.814 χ^2/NDF: 44.6/41

All: -168.896+/-173.208 χ^2/NDF: 98.5/85

- sign 238.377+/-244.100 χ^2/NDF: 48.2/43

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.619+/-0.340 χ^2/NDF: 518216.2/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

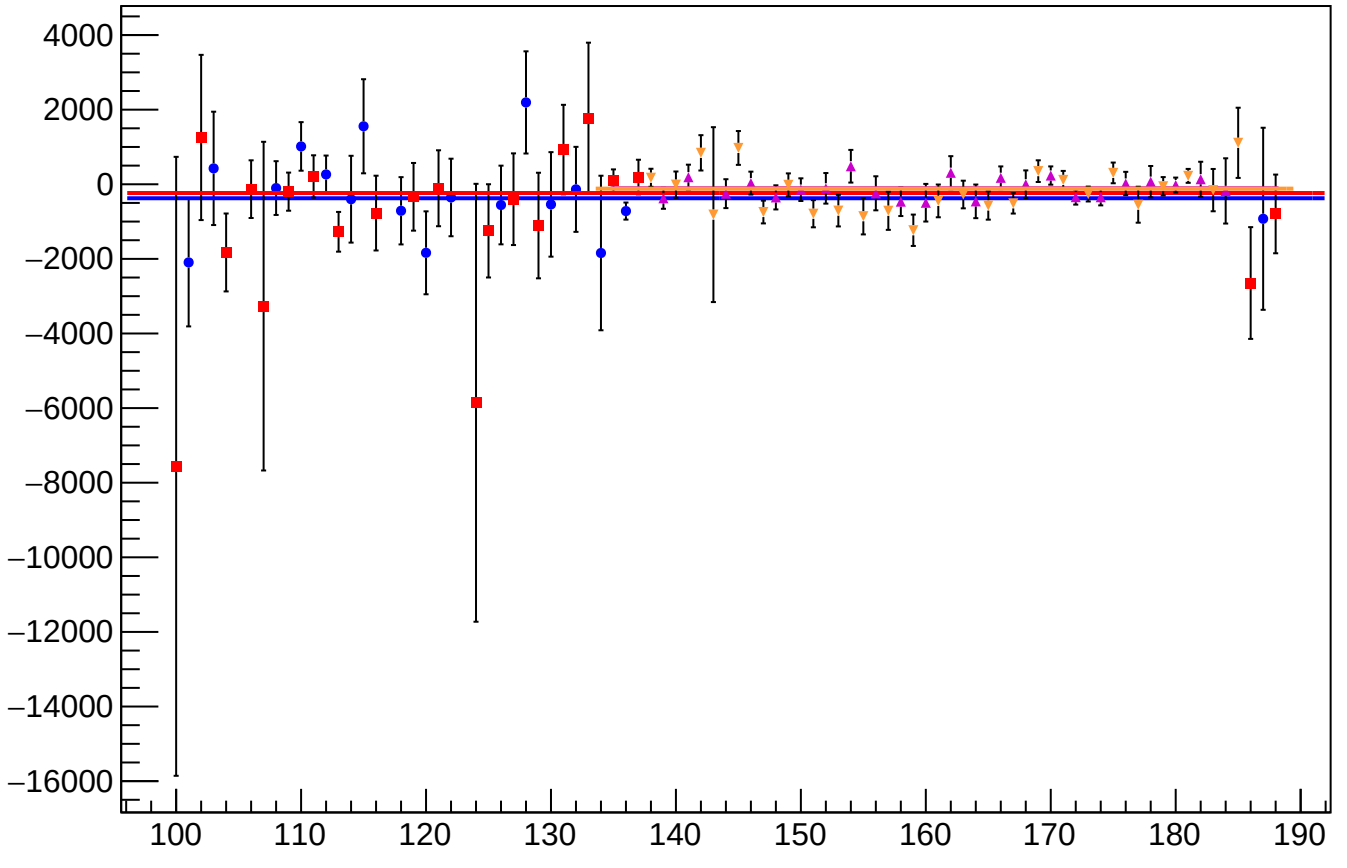
Right Out: 1304.326+/-0.317 χ^2/NDF: 332177.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.632+/-0.174 χ^2/NDF: 727516.7/41

All: 1263.607+/-0.122 χ^2/NDF: 1123112.2/85

- sign 1263.582+/-0.173 χ^2/NDF: 395595.4/43



Right In: -374.939+/-167.806 χ^2/NDF: 18.2/16

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -234.361+/-166.390 χ^2/NDF: 17.6/20

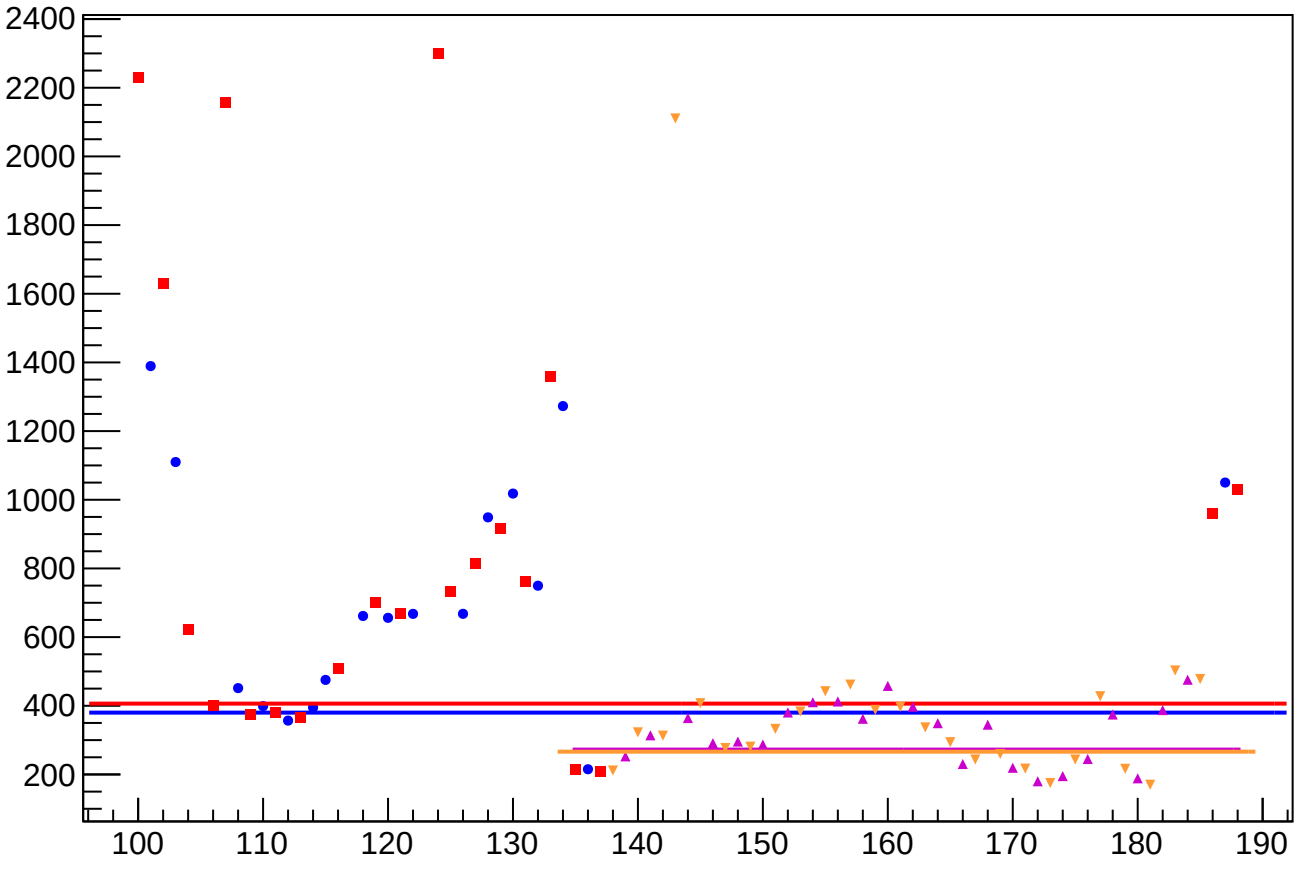
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -150.730+/-60.659 χ^2/NDF: 68.7/41

All: -138.209+/-43.411 χ^2/NDF: 100.6/85

- sign -125.064+/-62.151 χ^2/NDF: 31.8/43

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 380.076+/-0.119 χ^2/NDF: 4341702.4/16

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 406.287+/-0.118 χ^2/NDF: 5063951.0/20

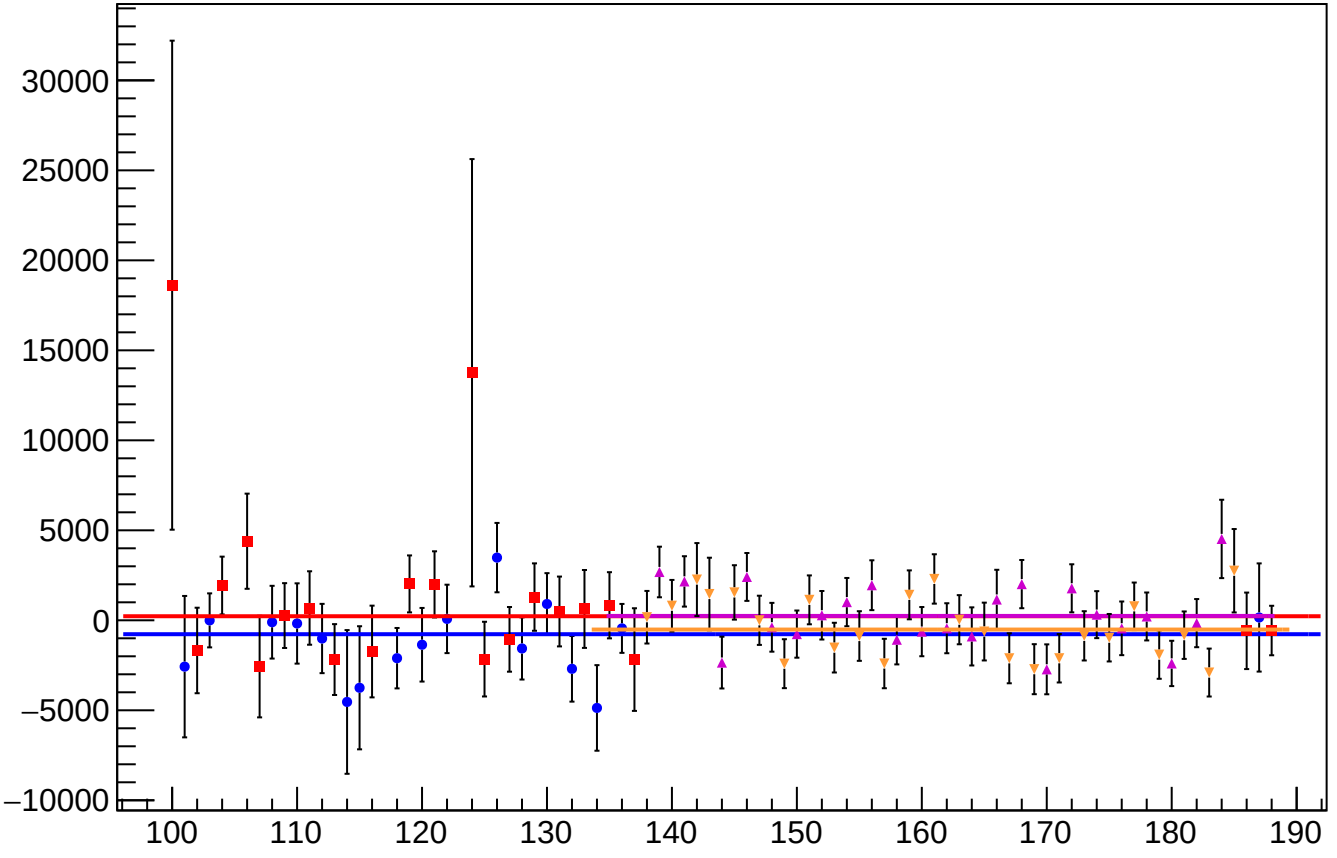
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 281.185+/-0.043 χ^2/NDF: 9770830.2/41

All: 285.999+/-0.031 χ^2/NDF: 18863238.7/85

- sign 291.053+/-0.044 χ^2/NDF: 9066590.9/43

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -772.460+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 225.736+/-448.191 χ^2/NDF: 16.2/20

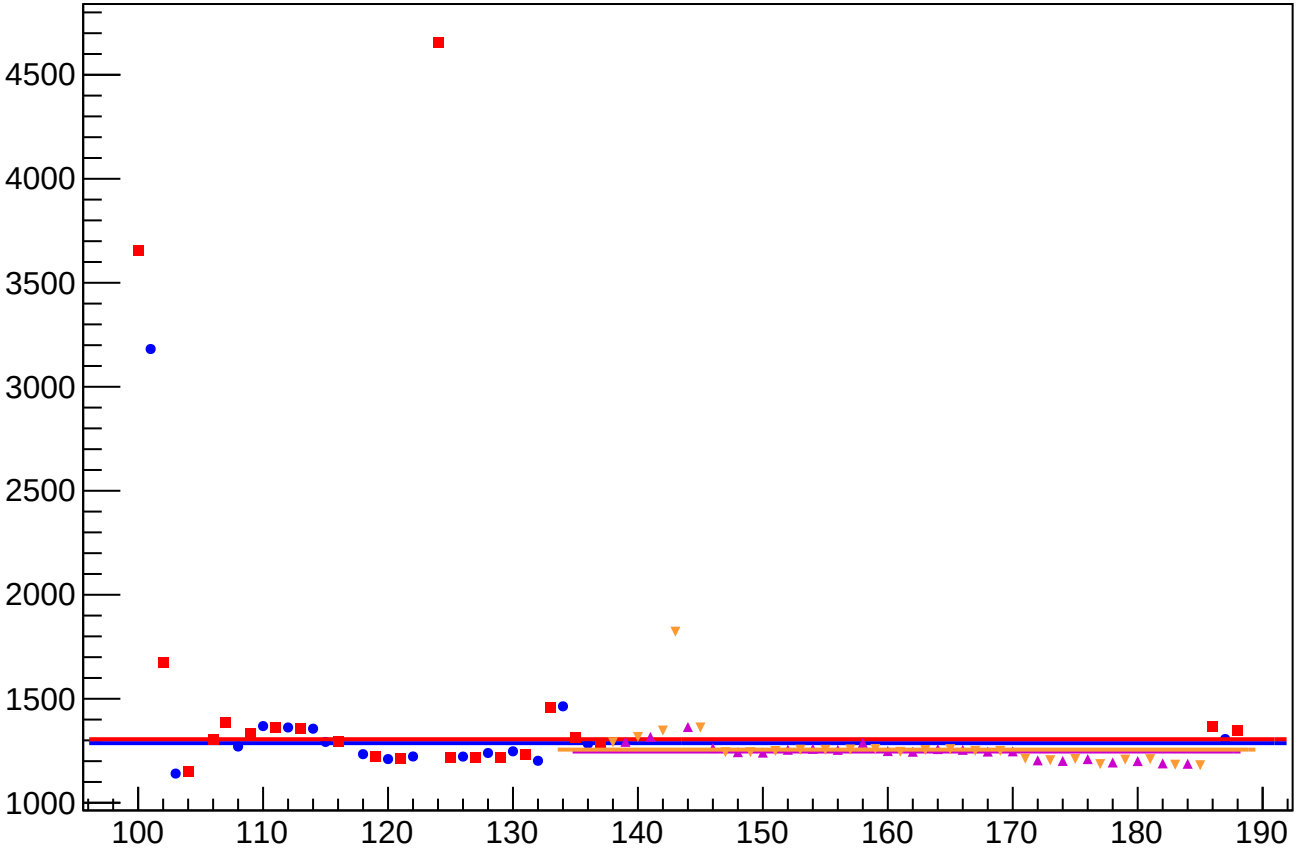
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -581.773+/-245.814 χ^2/NDF: 44.6/41

All: -169.310+/-173.231 χ^2/NDF: 98.5/85

- sign 237.639+/-244.166 χ^2/NDF: 48.3/43

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

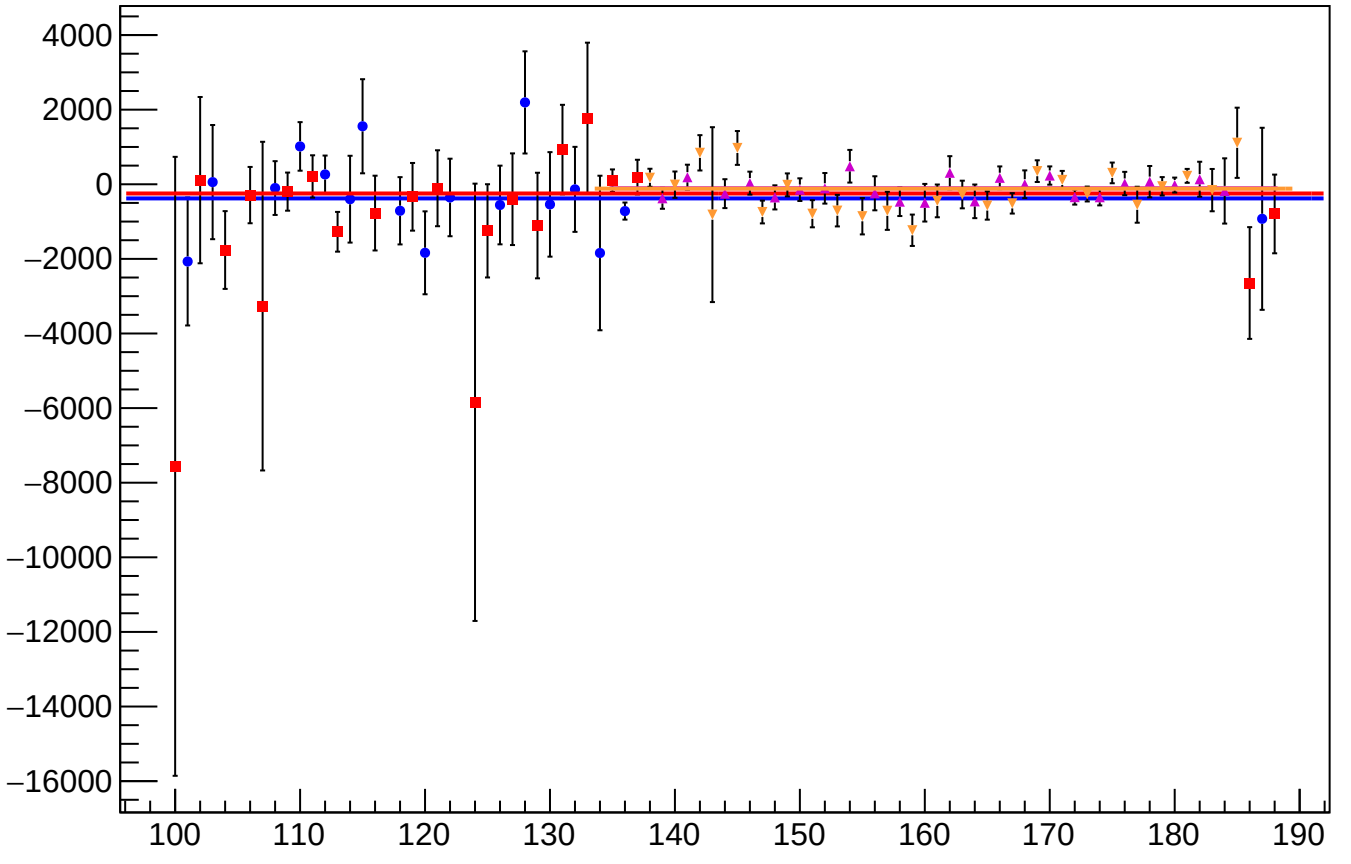
Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.632+/-0.174 χ^2/NDF: 727518.1/41

All: 1263.782+/-0.122 χ^2/NDF: 1123575.5/85

- sign 1263.930+/-0.173 χ^2/NDF: 396055.9/43



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -246.976+/-166.203 χ^2/NDF: 17.0/20

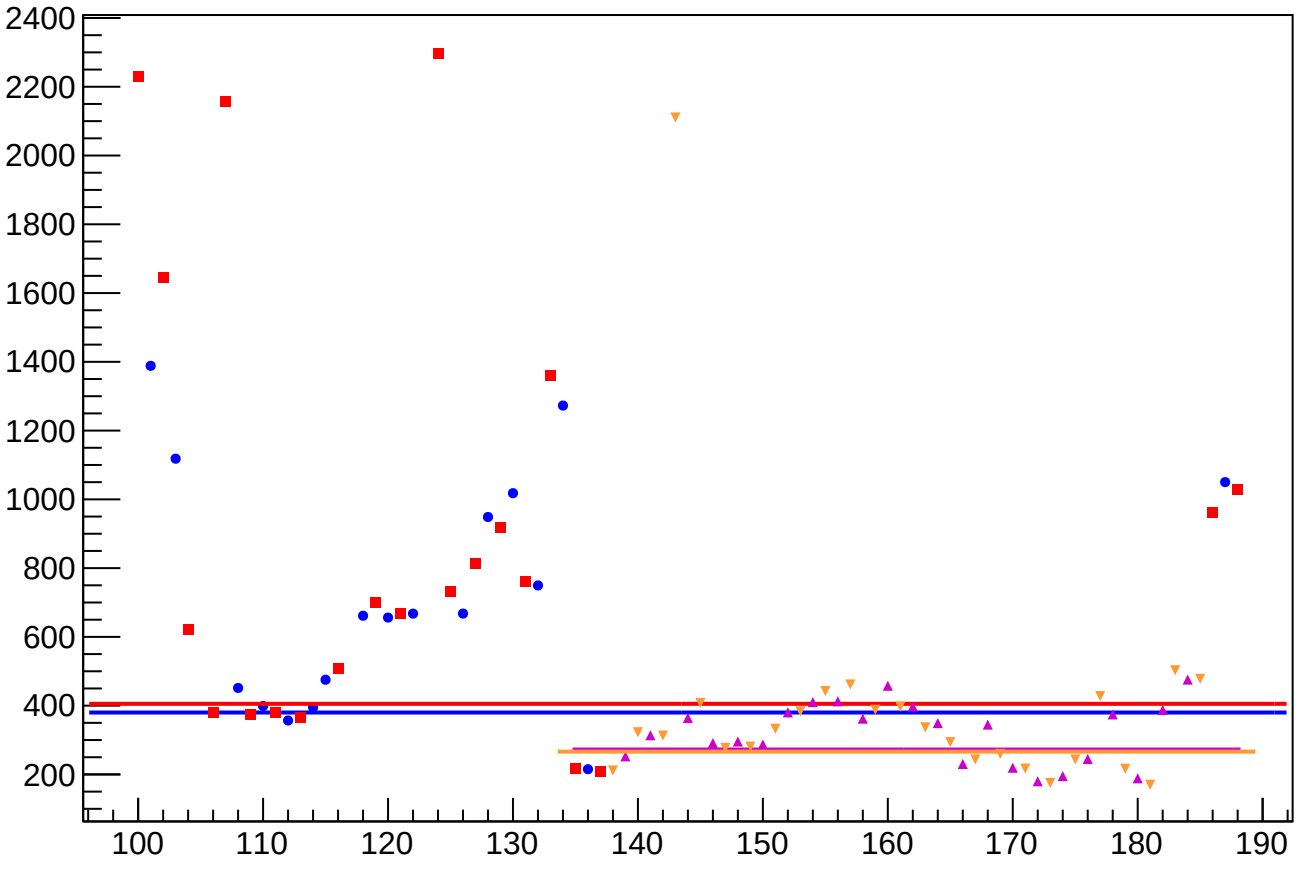
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.280+/-60.661 χ^2/NDF: 68.6/41

All: -139.415+/-43.408 χ^2/NDF: 99.9/85

- sign -126.964+/-62.143 χ^2/NDF: 31.3/43

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

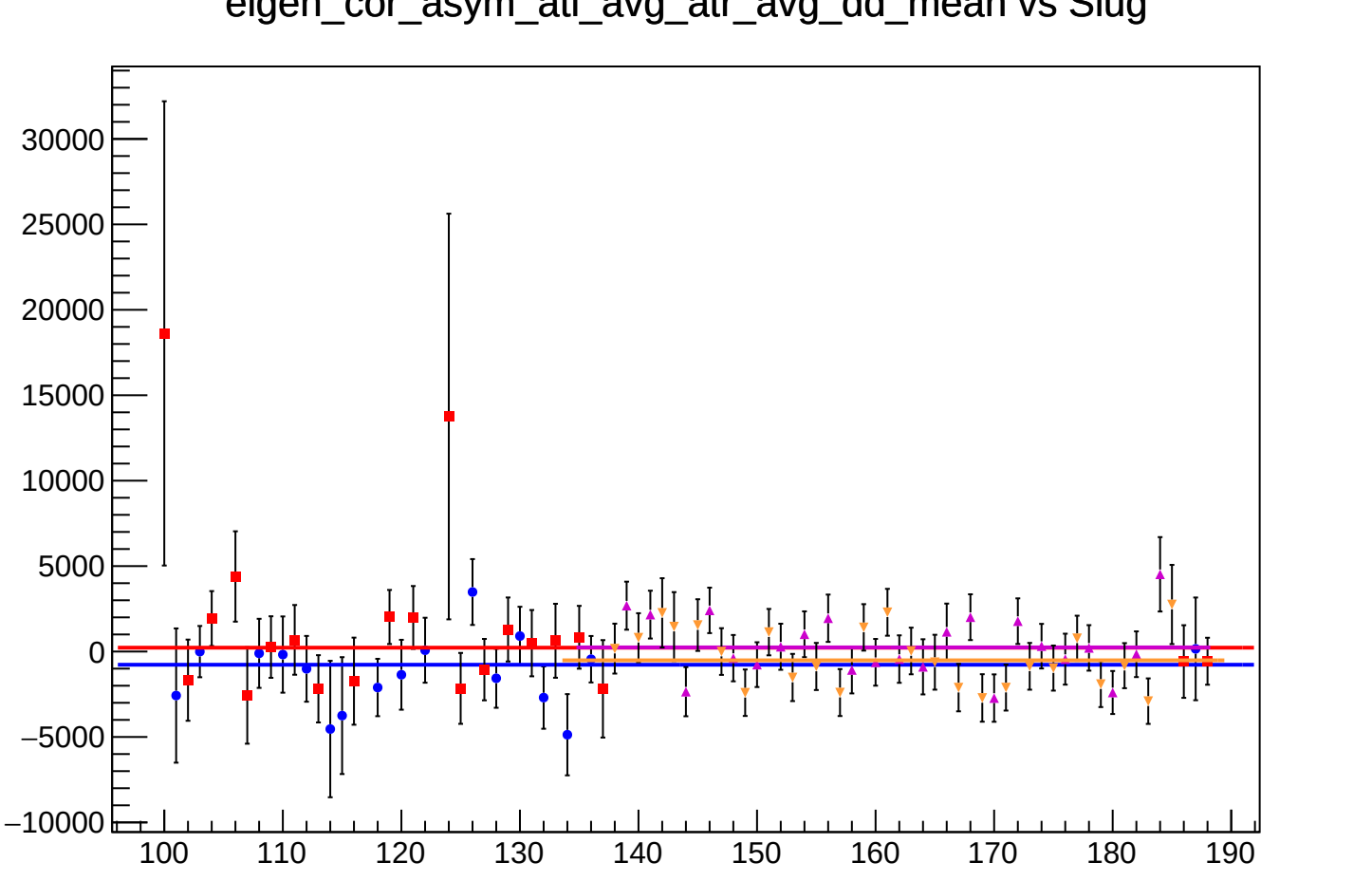
Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 281.187+/-0.043 χ^2/NDF: 9773650.4/41

All: 285.958+/-0.031 χ^2/NDF: 18860078.2/85

- sign 290.965+/-0.044 χ^2/NDF: 9061073.4/43



Right In: -772.460+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 225.736+/-448.191 χ^2/NDF: 16.2/20

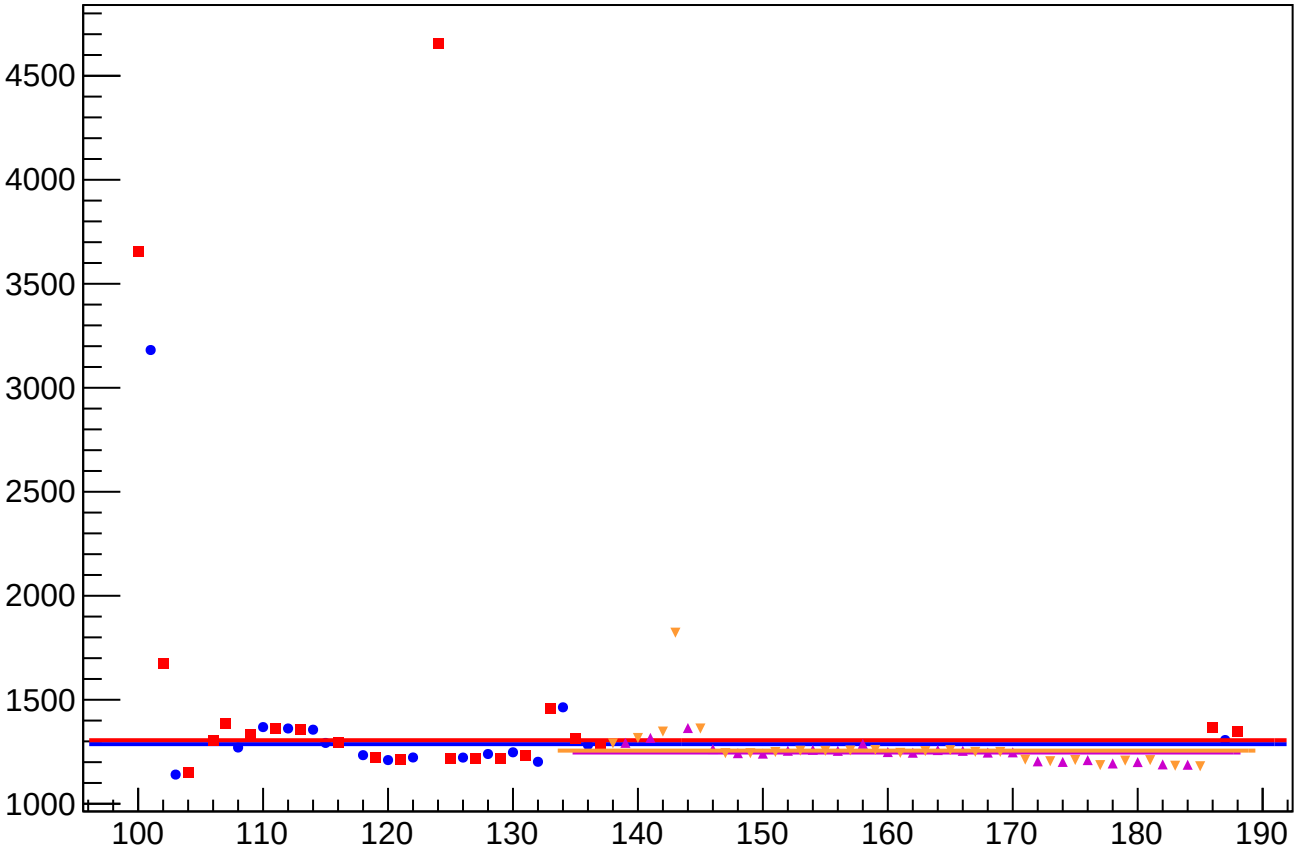
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -581.773+/-245.814 χ^2/NDF: 44.6/41

All: -169.310+/-173.231 χ^2/NDF: 98.5/85

- sign 237.639+/-244.166 χ^2/NDF: 48.3/43

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

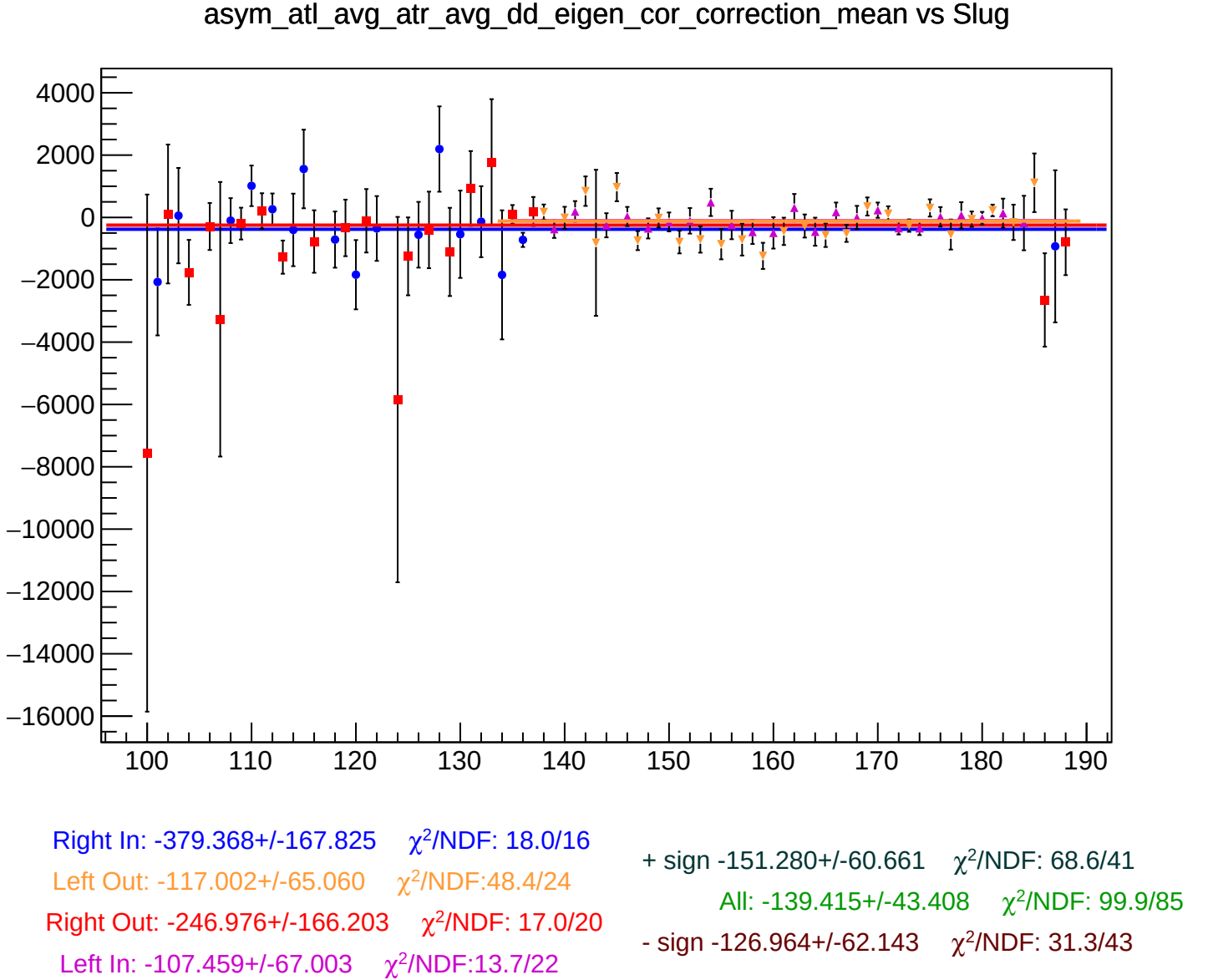
Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

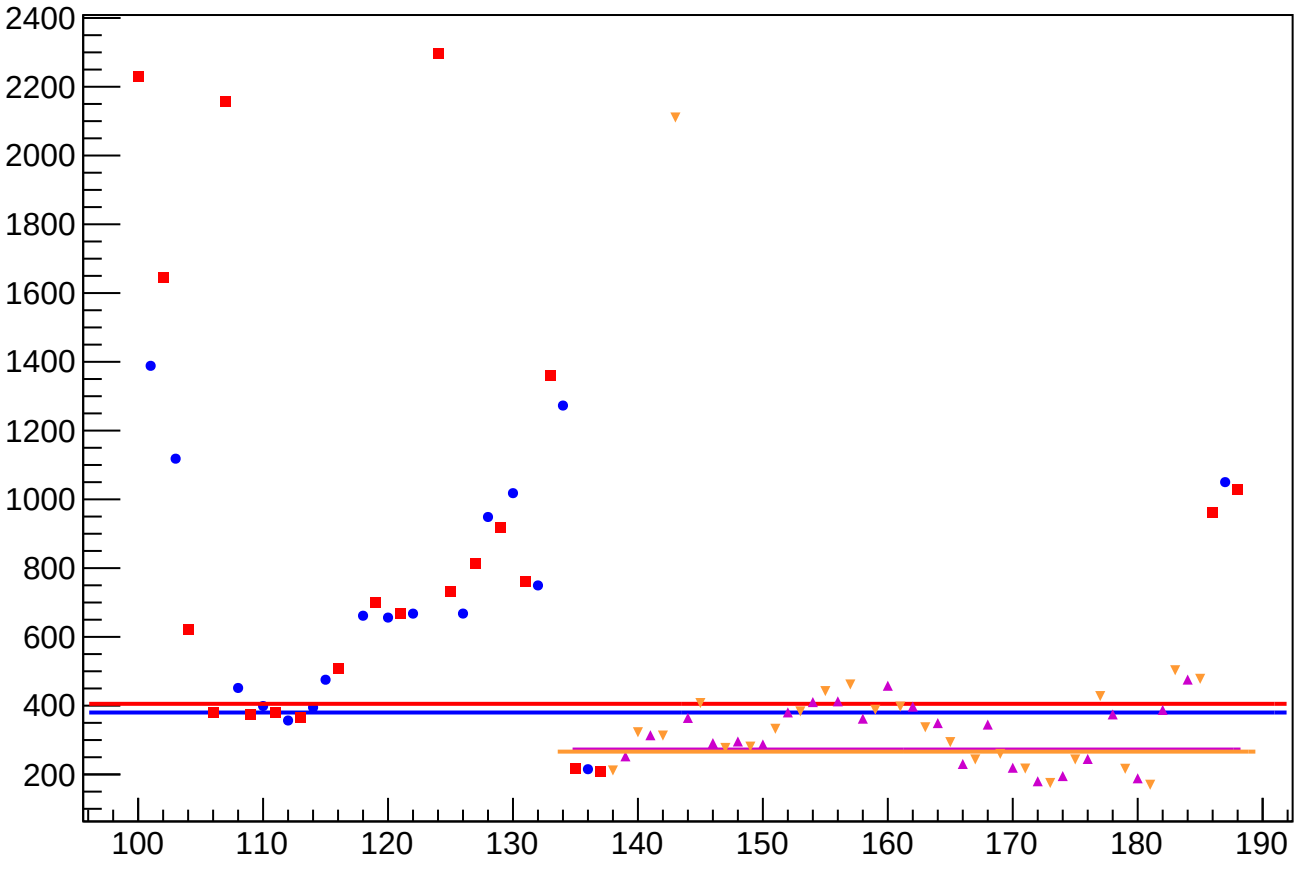
Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.632+/-0.174 χ^2/NDF: 727518.1/41

All: 1263.782+/-0.122 χ^2/NDF: 1123575.5/85

- sign 1263.930+/-0.173 χ^2/NDF: 396055.9/43


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
100
110
120
130
140
150
160
170
180
190
Right In: -379.368+/-167.825 χ²/NDF: 18.0/16
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: -246.976+/-166.203 χ²/NDF: 17.0/20
Left In: -107.459+/-67.003 χ²/NDF:13.7/22
+ sign -151.280+/-60.661 χ²/NDF: 68.6/41
All: -139.415+/-43.408 χ²/NDF: 99.9/85
- sign -126.964+/-62.143 χ²/NDF: 31.3/43



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

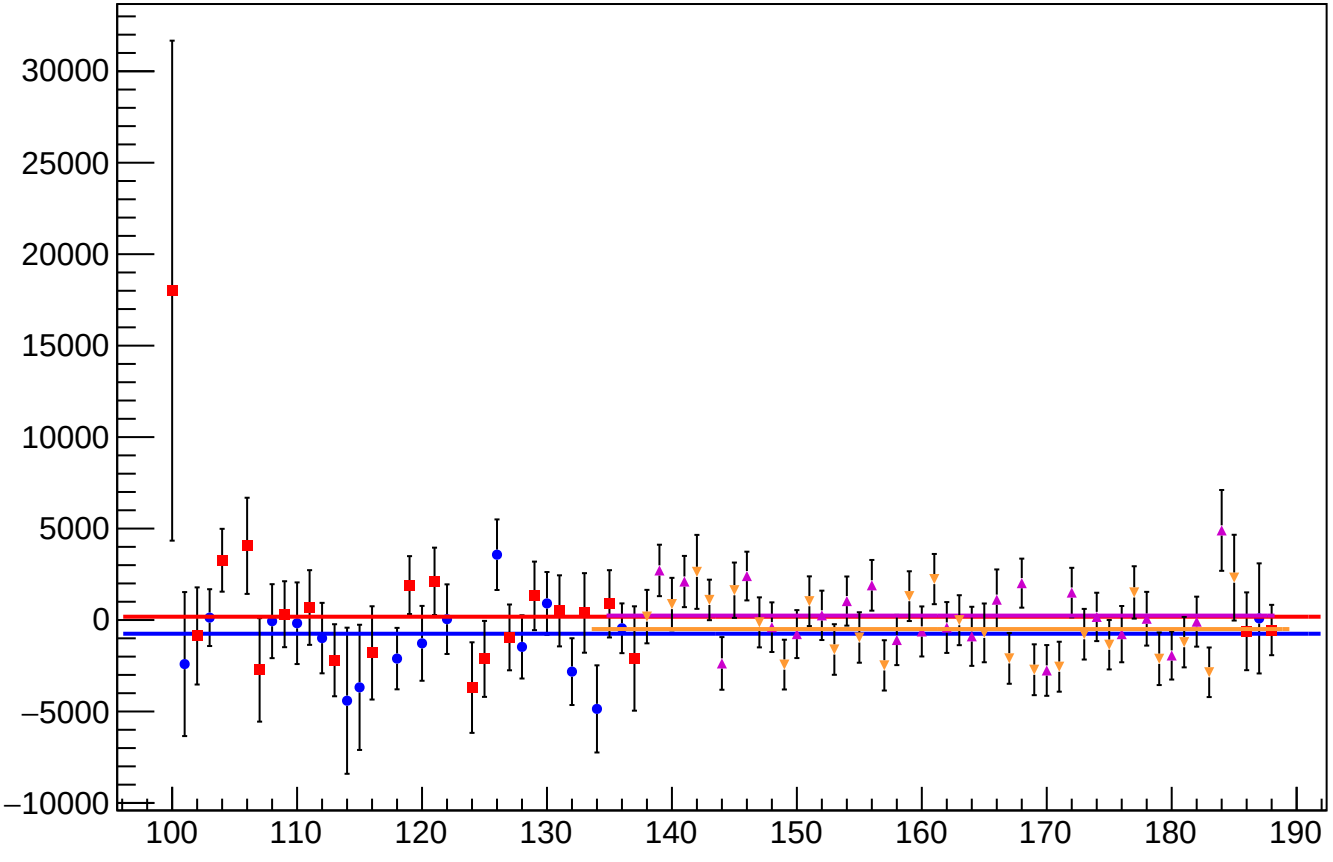
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 281.187+/-0.043 χ^2/NDF: 9773650.4/41

All: 285.958+/-0.031 χ^2/NDF: 18860078.2/85

- sign 290.965+/-0.044 χ^2/NDF: 9061073.4/43

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -749.322+/-483.249 χ^2/NDF: 13.7/16

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 180.946+/-445.342 χ^2/NDF: 18.4/20

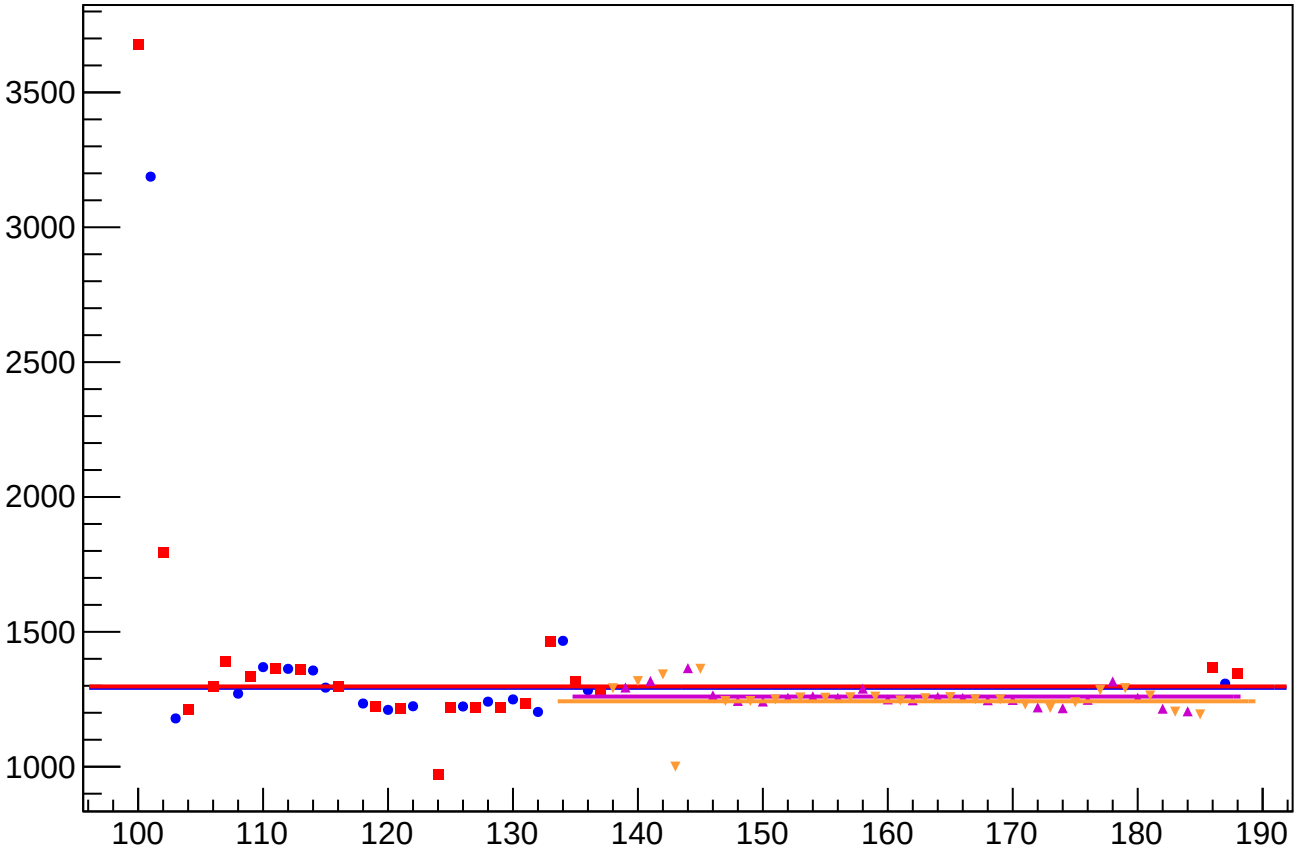
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -558.690+/-244.035 χ^2/NDF: 48.1/41

All: -170.050+/-173.093 χ^2/NDF: 102.3/85

- sign 223.441+/-245.554 χ^2/NDF: 49.1/43

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.2/20

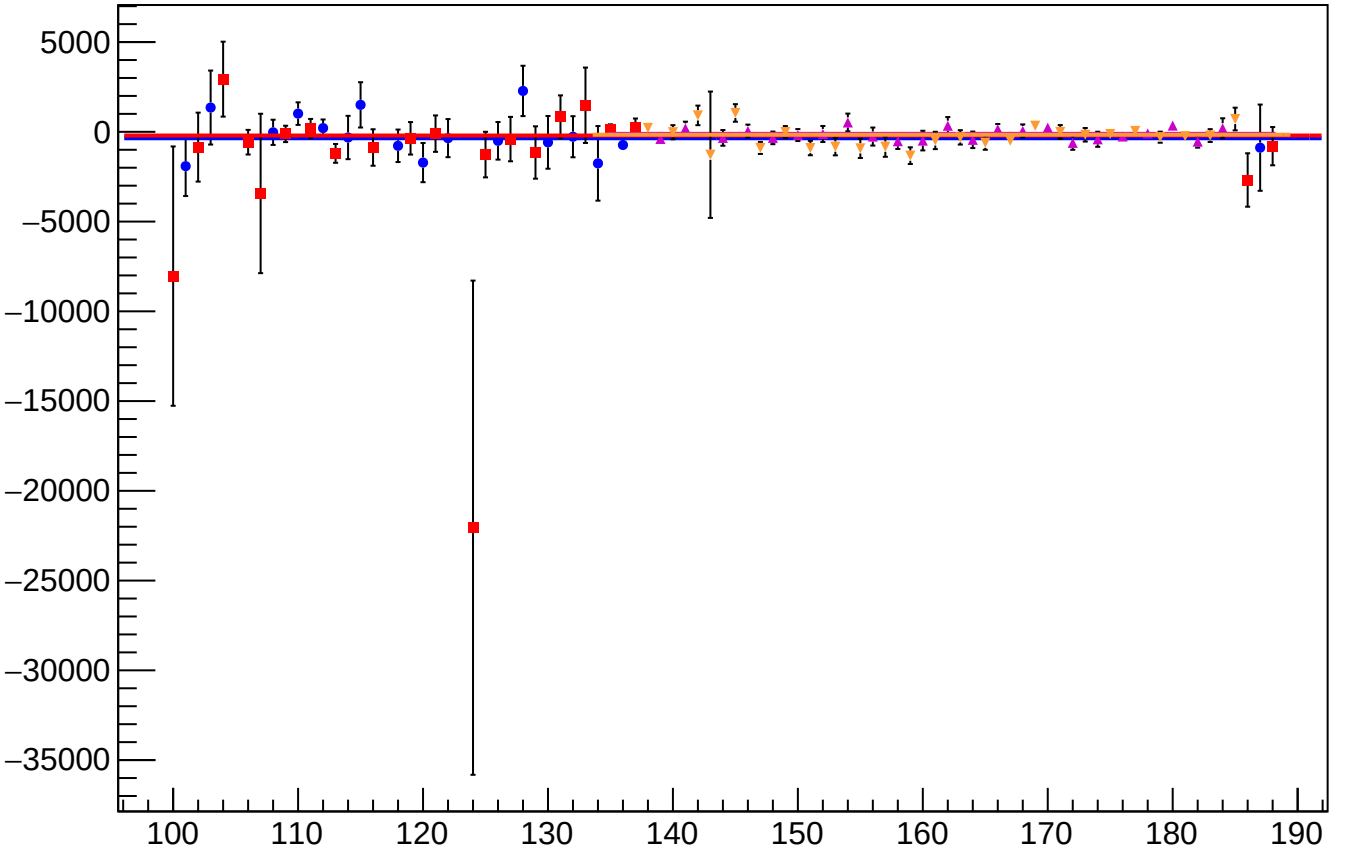
Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

\+ sign 1255.267+/-0.173 χ^2/NDF: 655377.4/41

All: 1263.335+/-0.122 χ^2/NDF: 912314.7/85

\- sign 1271.504+/-0.174 χ^2/NDF: 252537.9/43

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug



Right In: -357.857+/-169.547 χ^2/NDF: 18.5/16

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: -205.206+/-166.501 χ^2/NDF: 19.0/20

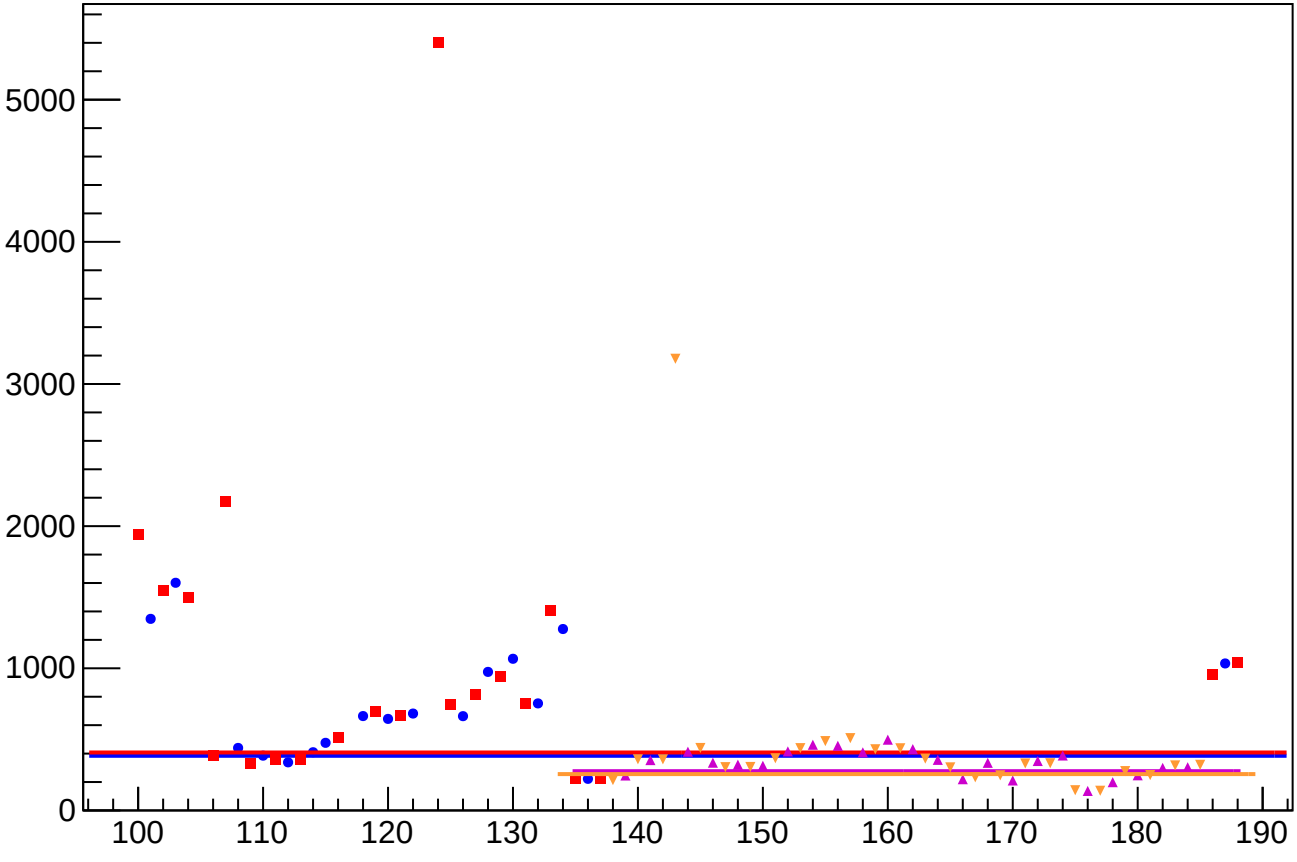
Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -185.579+/-59.985 χ^2/NDF: 63.4/41

All: -158.046+/-43.643 χ^2/NDF: 101.3/85

- sign -127.077+/-63.617 χ^2/NDF: 37.5/43

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 384.601+/-0.120 χ^2/NDF: 4464871.9/16

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 407.821+/-0.118 χ^2/NDF: 5574336.4/20

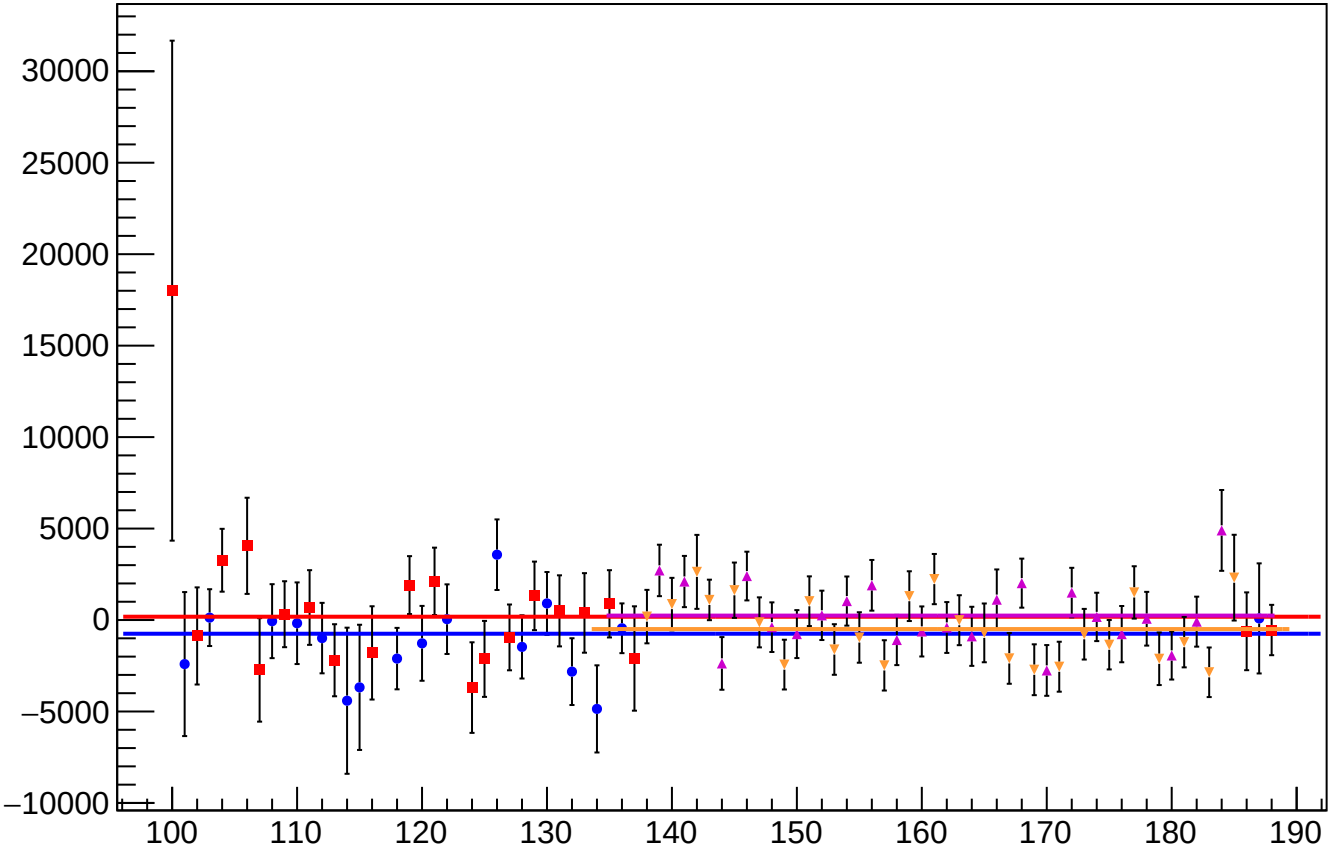
Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 271.894+/-0.042 χ^2/NDF: 11849044.2/41

All: 283.004+/-0.031 χ^2/NDF: 22662312.0/85

- sign 295.499+/-0.045 χ^2/NDF: 10667508.3/43

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -749.324+/-483.249 χ^2/NDF: 13.7/16

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 180.947+/-445.342 χ^2/NDF: 18.4/20

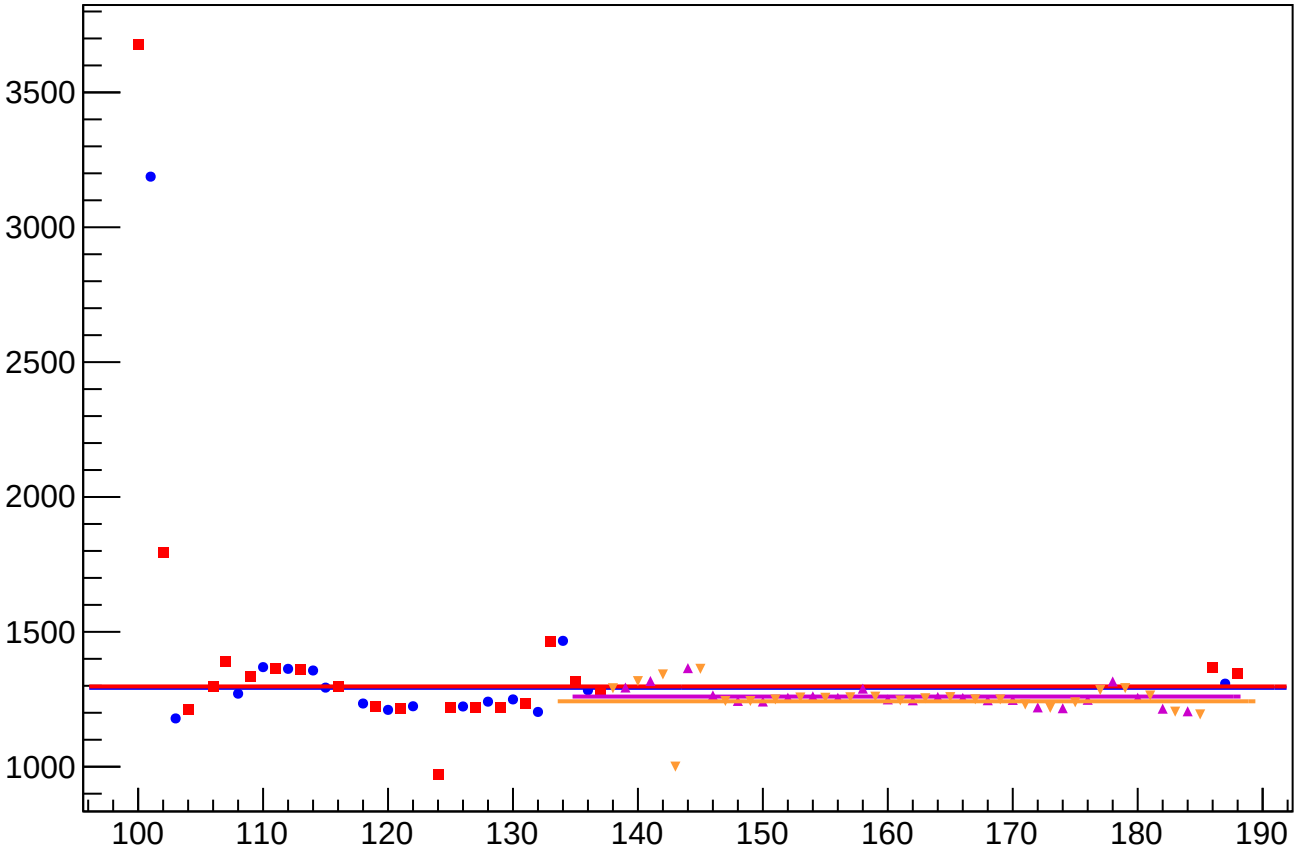
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -558.690+/-244.035 χ^2/NDF: 48.1/41

All: -170.050+/-173.093 χ^2/NDF: 102.3/85

- sign 223.441+/-245.554 χ^2/NDF: 49.1/43

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

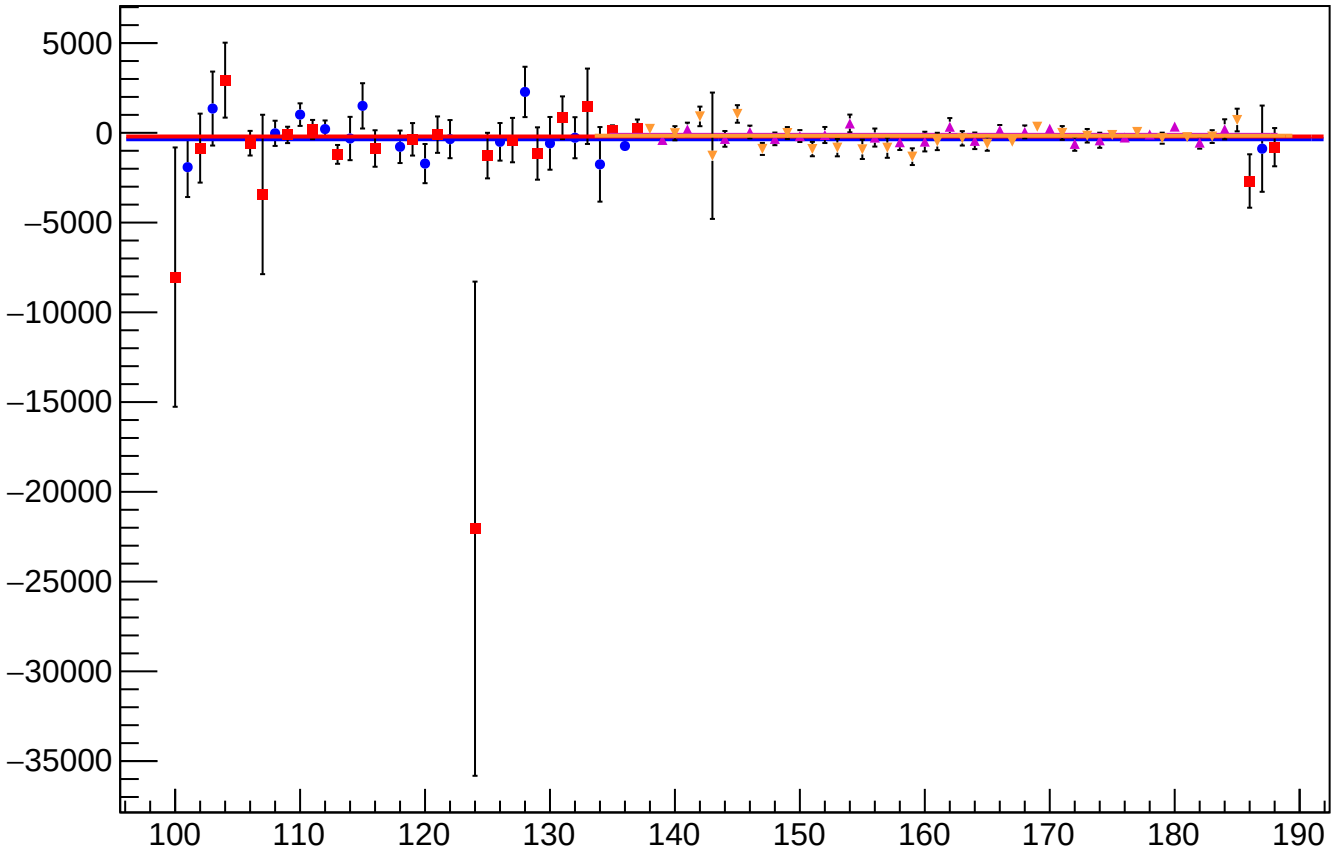
Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.5/20

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

\+ sign 1255.267+/-0.173 χ^2/NDF: 655376.5/41

All: 1263.335+/-0.122 χ^2/NDF: 912314.1/85

\- sign 1271.504+/-0.174 χ^2/NDF: 252538.3/43



Right In: -357.857+/-169.550 χ^2/NDF: 18.5/16

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

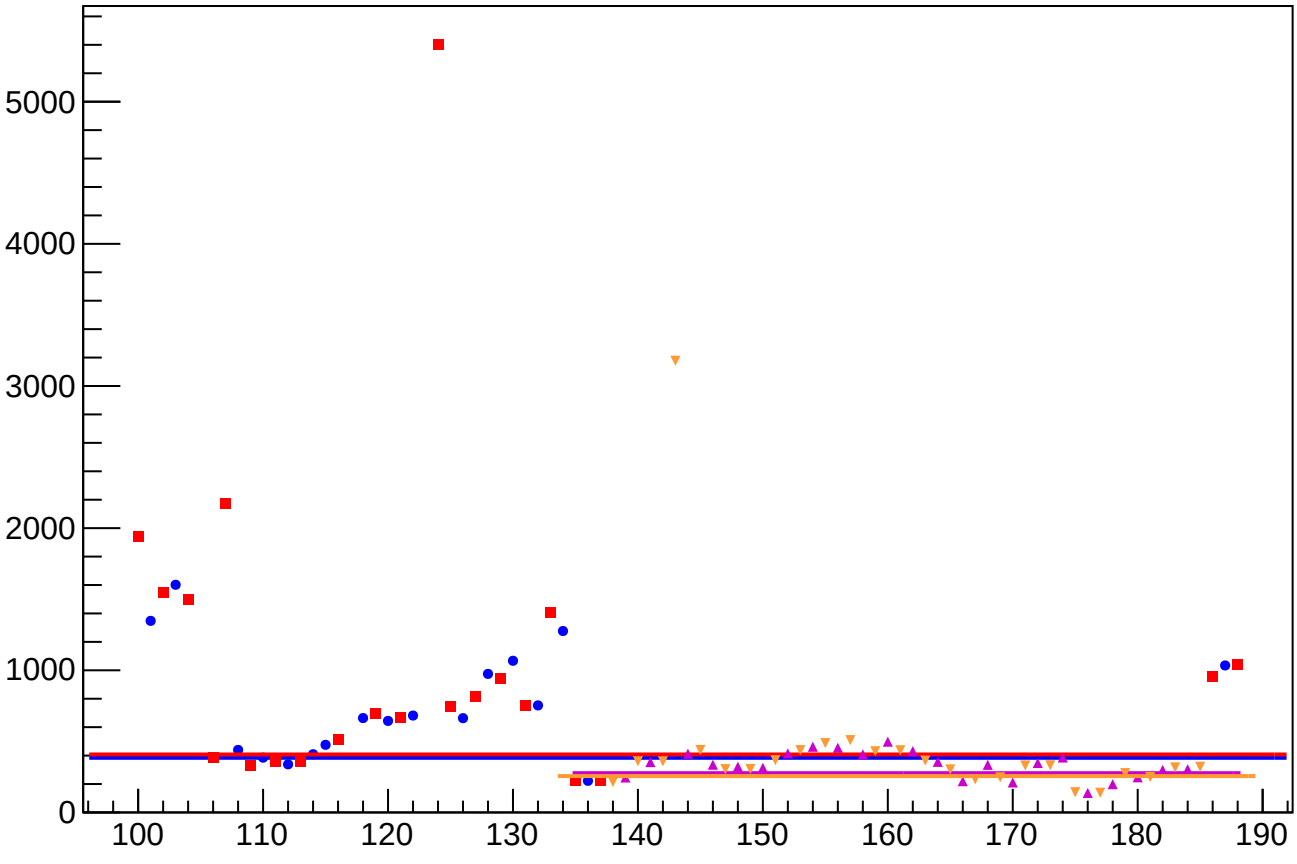
Right Out: -205.213+/-166.503 χ^2/NDF: 19.0/20

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -185.582+/-59.985 χ^2/NDF: 63.4/41

All: -158.047+/-43.644 χ^2/NDF: 101.3/85

- sign -127.077+/-63.618 χ^2/NDF: 37.5/43



Right In: 384.611+/-0.120 χ^2/NDF: 4464683.2/16

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 407.829+/-0.118 χ^2/NDF: 5574173.8/20

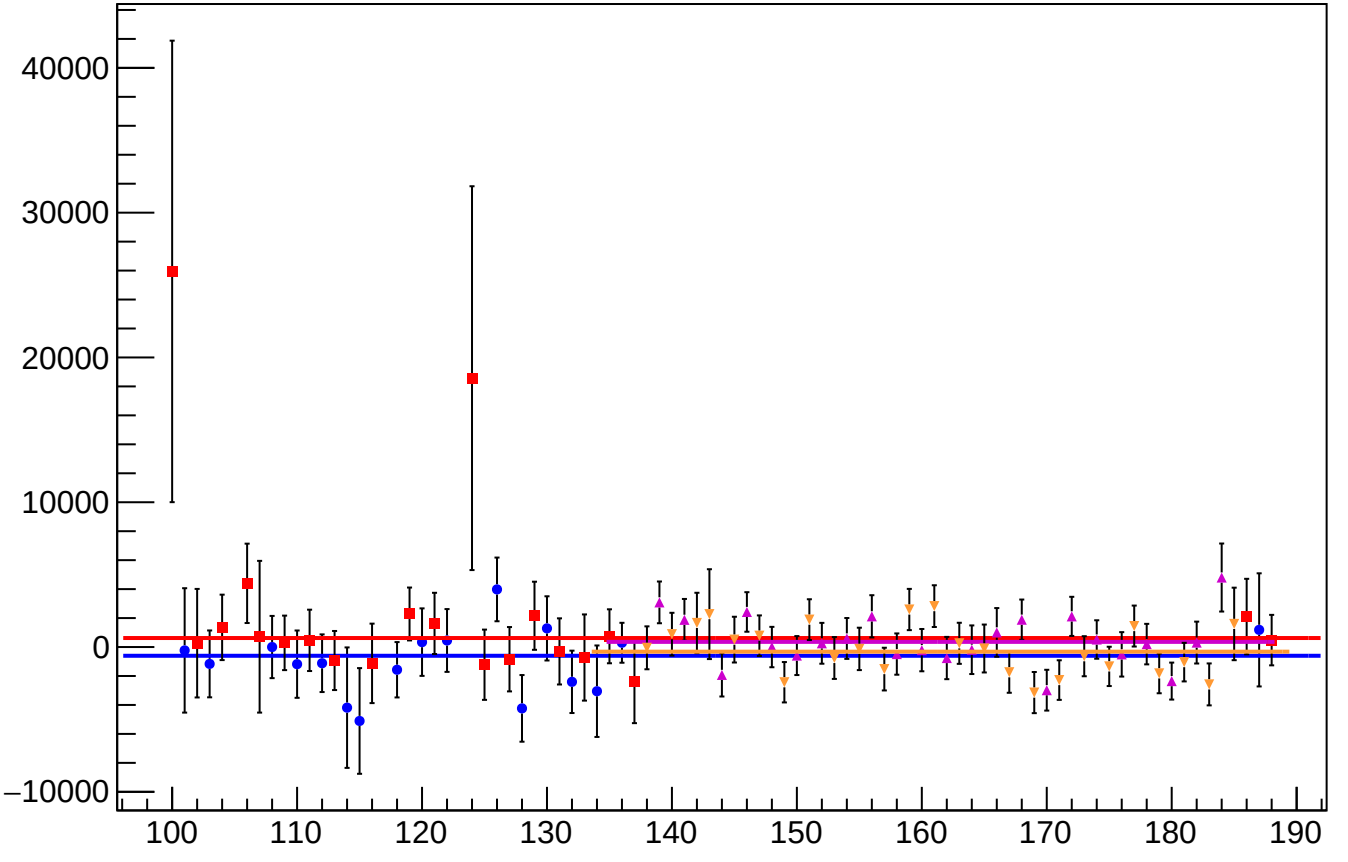
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 271.896+/-0.042 χ^2/NDF: 11848862.9/41

All: 283.005+/-0.031 χ^2/NDF: 22662017.2/85

- sign 295.500+/-0.045 χ^2/NDF: 10667406.0/43

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -603.500+/-558.568 χ^2/NDF: 12.7/16

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 622.044+/-527.838 χ^2/NDF: 11.7/20

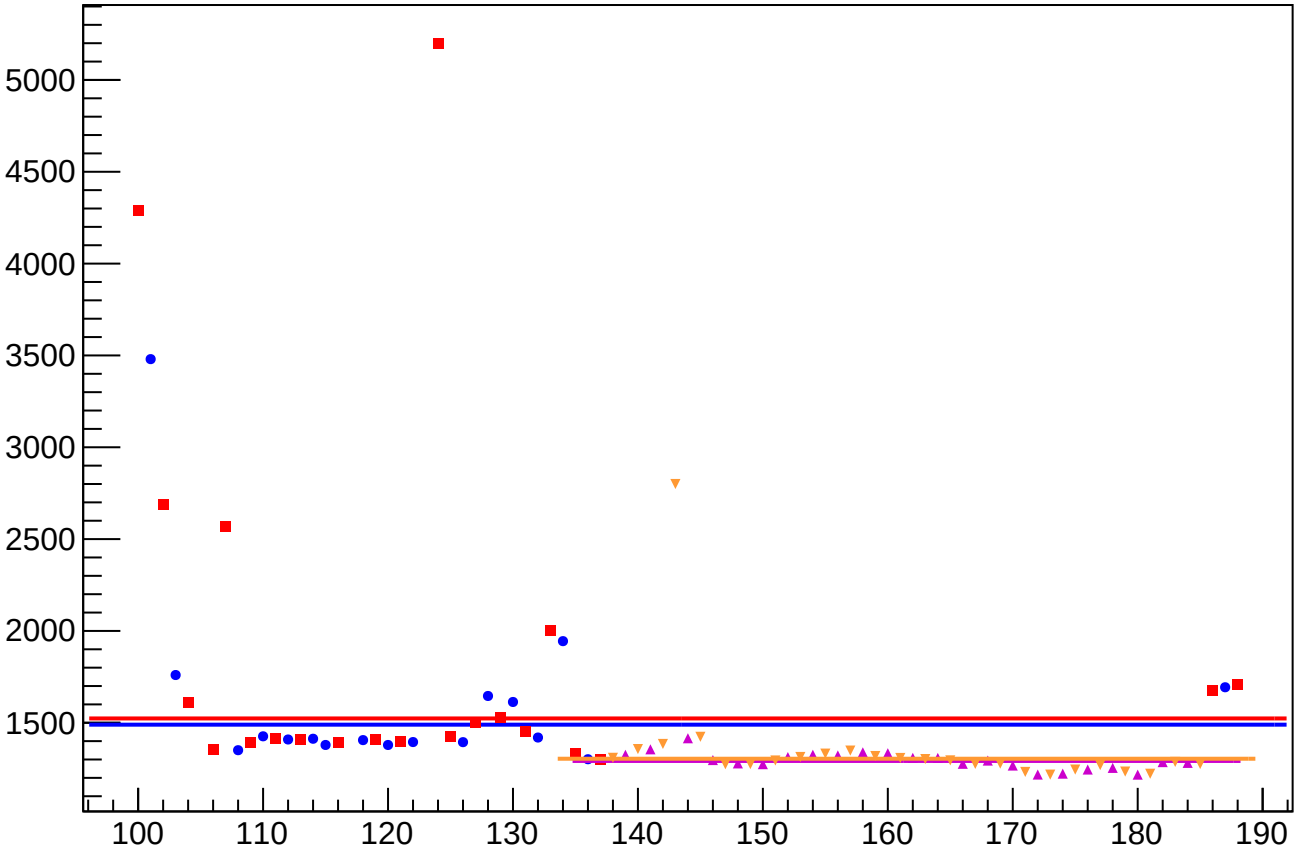
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -382.703+/-263.108 χ^2/NDF: 44.4/41

All: 21.182+/-185.675 χ^2/NDF: 90.7/85

- sign 421.871+/-262.065 χ^2/NDF: 41.5/43

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1489.621+/-0.395 χ^2/NDF: 590020.8/16

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

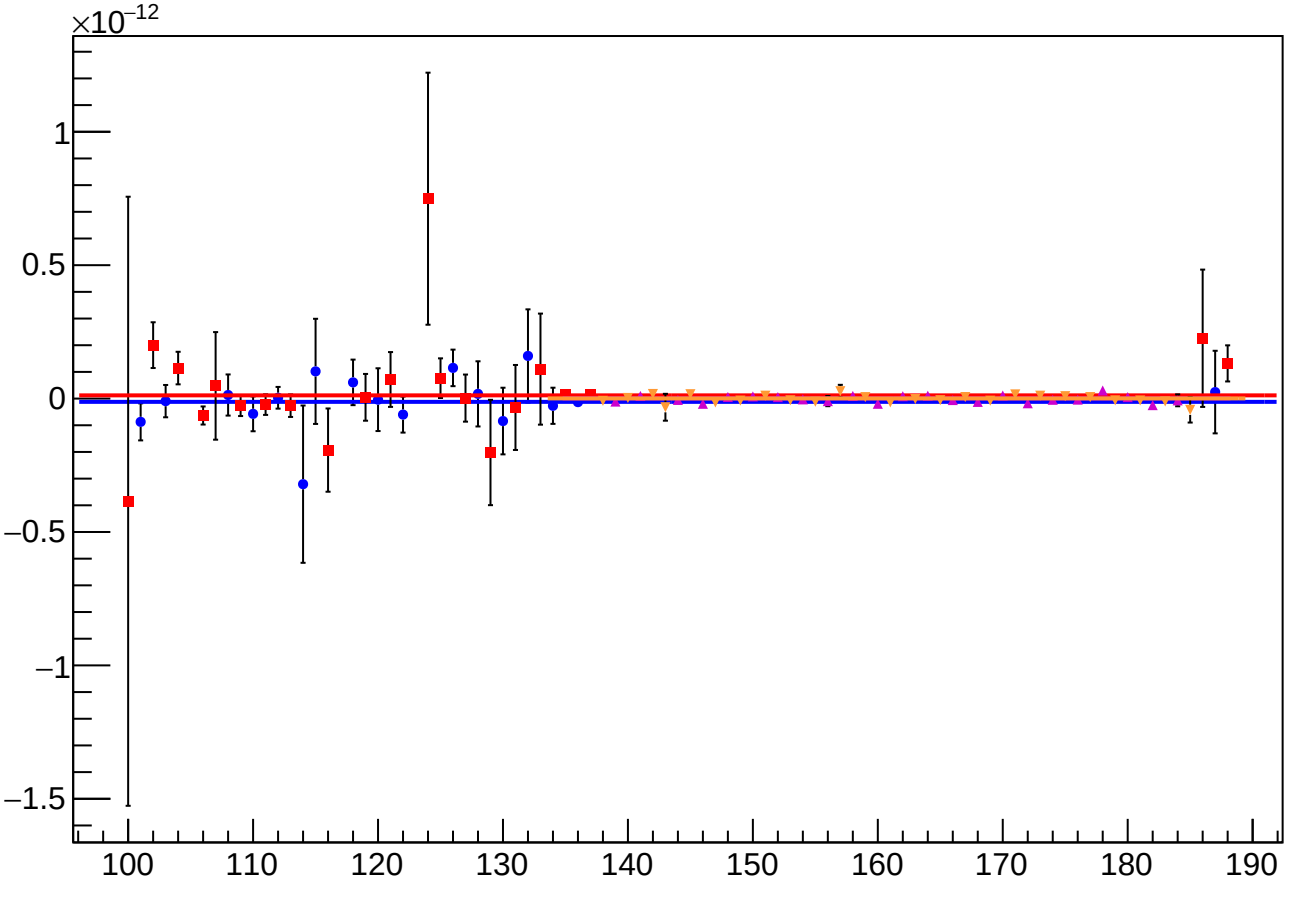
Right Out: 1523.482+/-0.373 χ^2/NDF: 656715.2/20

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1345.307+/-0.186 χ^2/NDF: 1281203.2/41

All: 1347.238+/-0.131 χ^2/NDF: 2276002.9/85

- sign 1349.153+/-0.185 χ^2/NDF: 994585.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

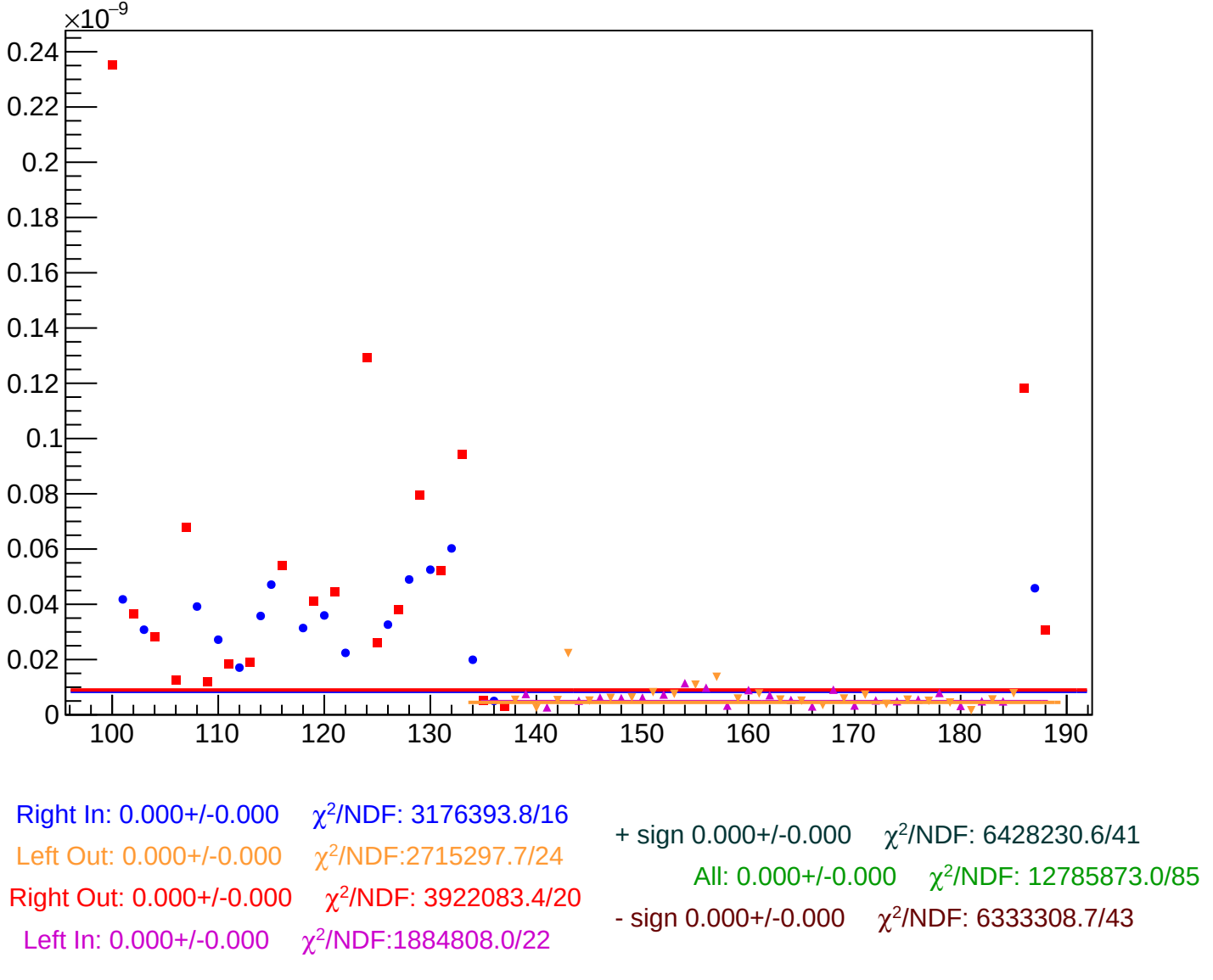
Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/20

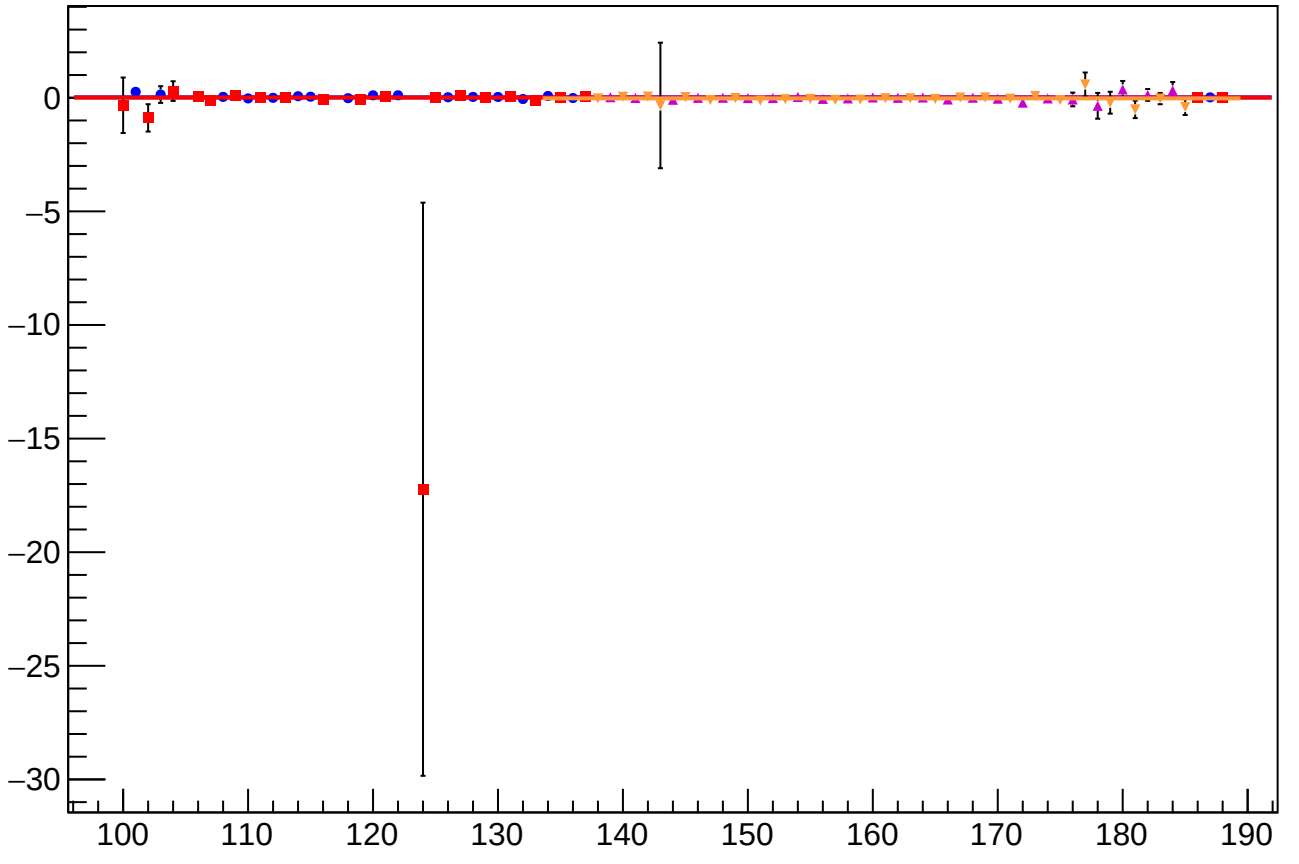
Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.7/41

All: 0.000+/-0.000 χ^2/NDF: 94.7/85

- sign 0.000+/-0.000 χ^2/NDF: 57.6/43


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3176393.8/16
Left Out: 0.000+/-0.000 χ²/NDF:2715297.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3922083.4/20
Left In: 0.000+/-0.000 χ²/NDF:1884808.0/22
+ sign 0.000+/-0.000 χ²/NDF: 6428230.6/41
All: 0.000+/-0.000 χ²/NDF: 12785873.0/85
- sign 0.000+/-0.000 χ²/NDF: 6333308.7/43



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

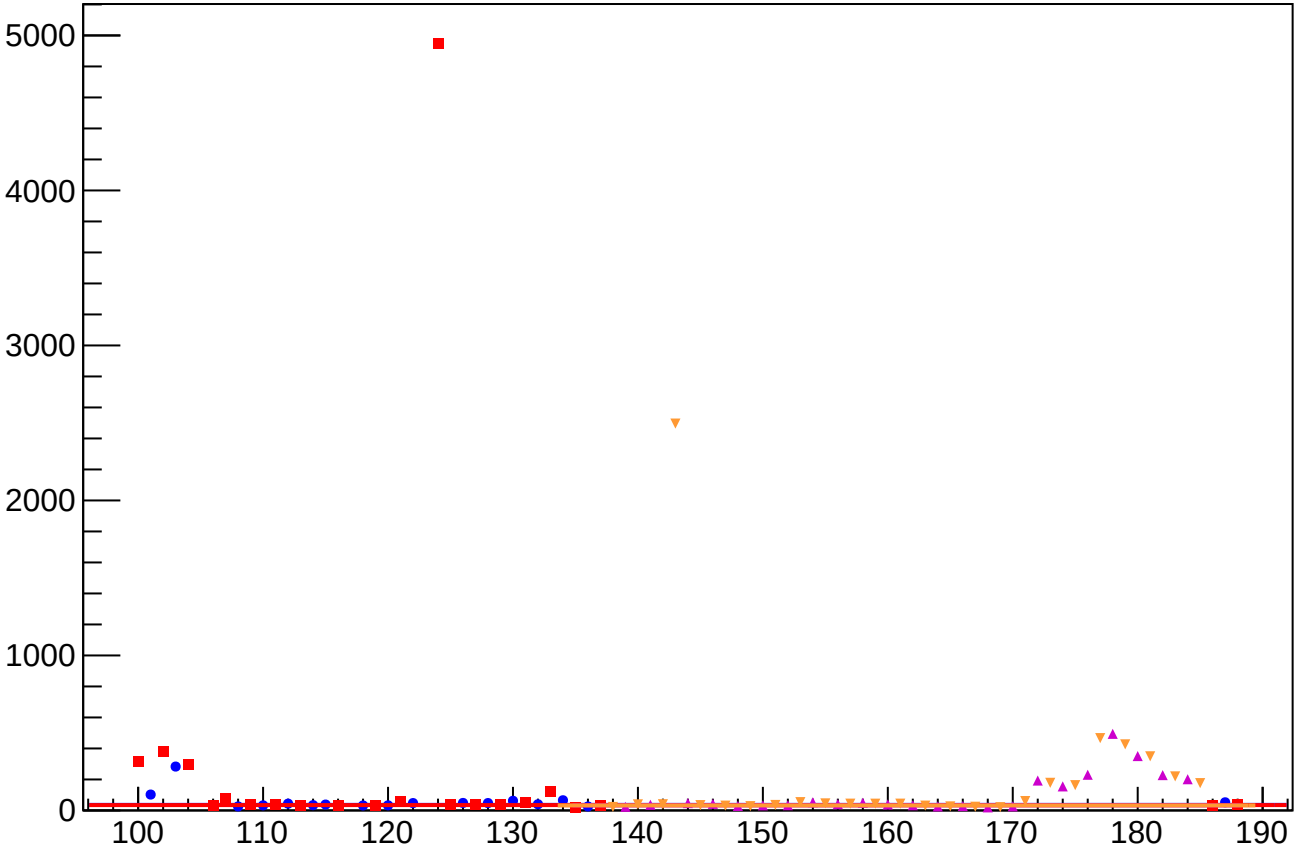
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/85

\- sign -0.005+/-0.008 χ^2/NDF: 31.1/43

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

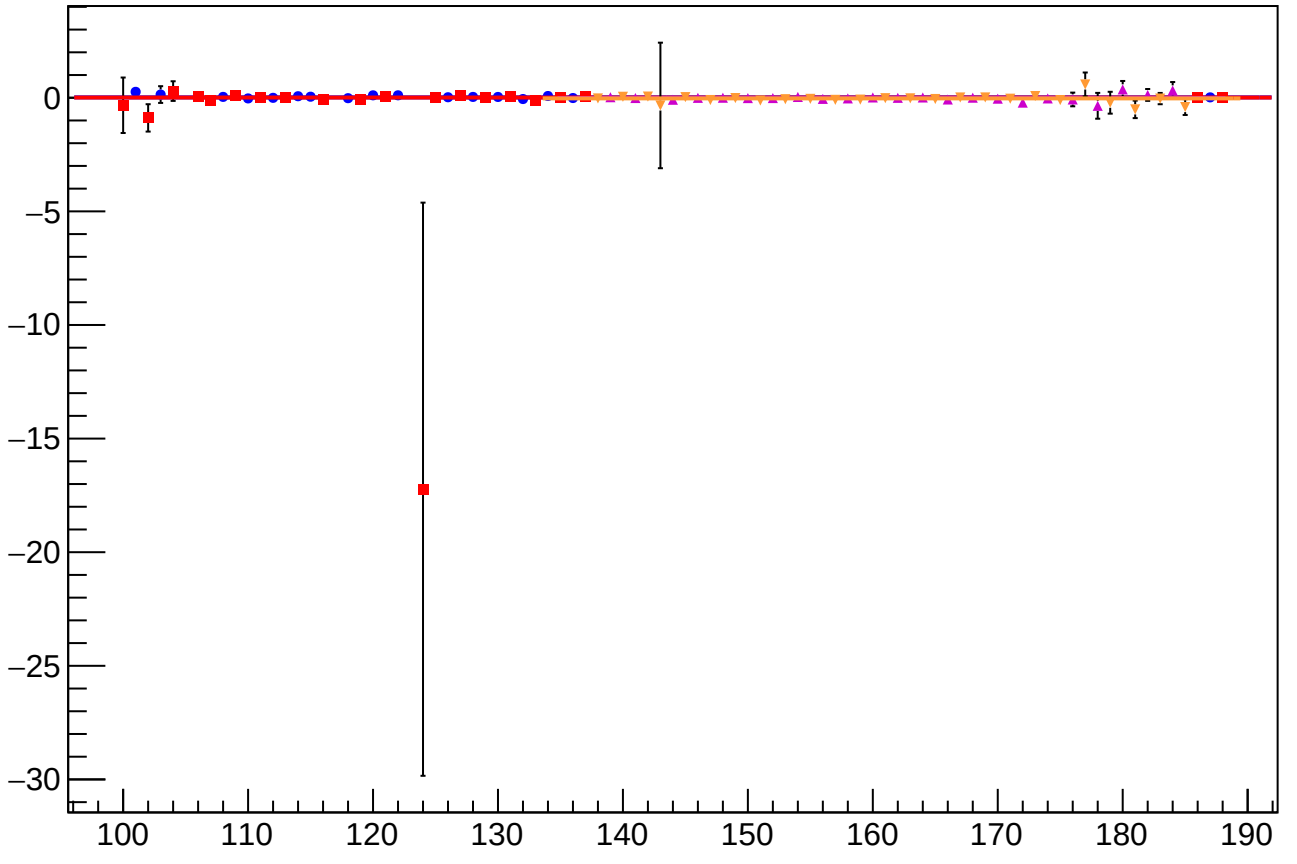
Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

\+ sign 33.509+/-0.006 χ^2/NDF: 13244847.8/41

All: 33.413+/-0.004 χ^2/NDF: 25176085.3/85

\- sign 33.322+/-0.006 χ^2/NDF: 11930688.7/43



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

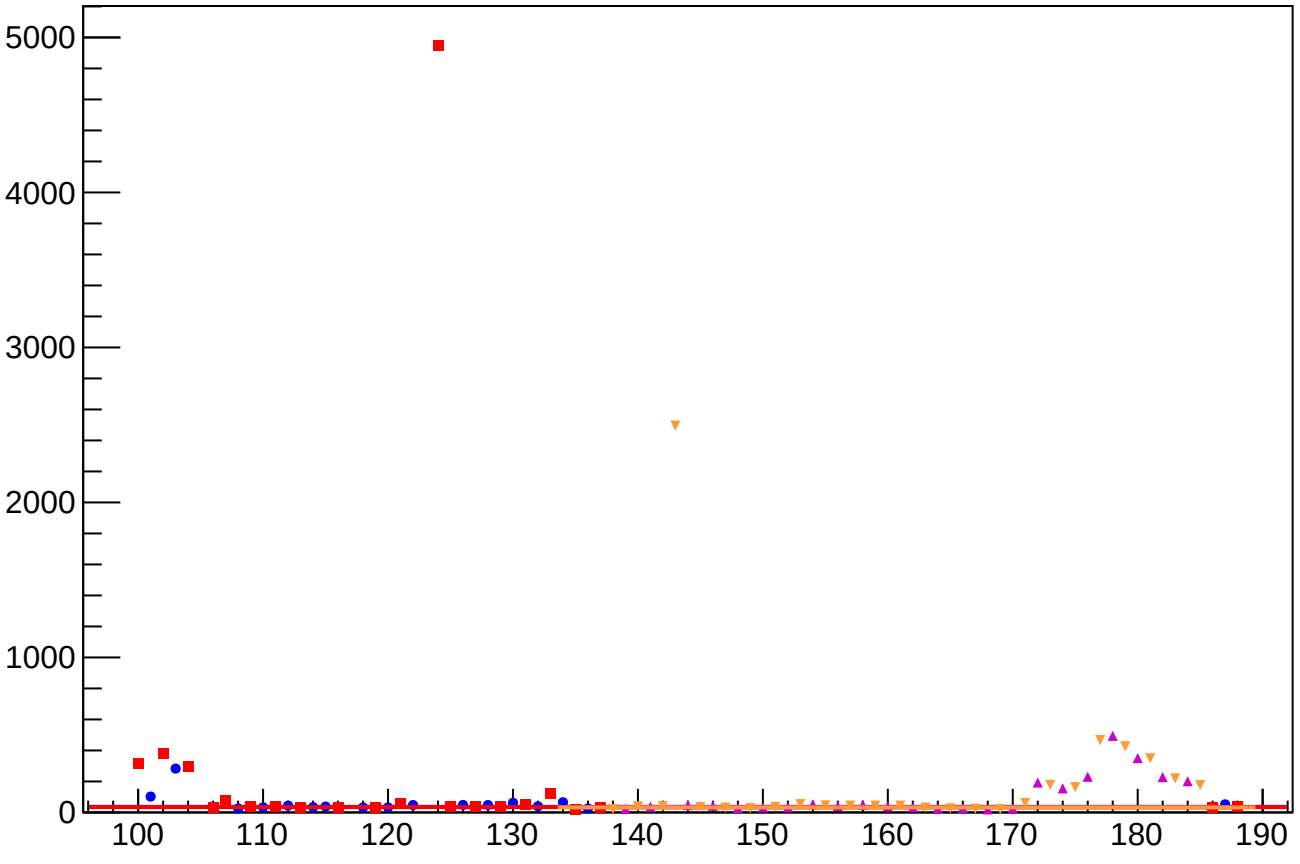
Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/85

- sign -0.005+/-0.008 χ^2/NDF: 31.1/43



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

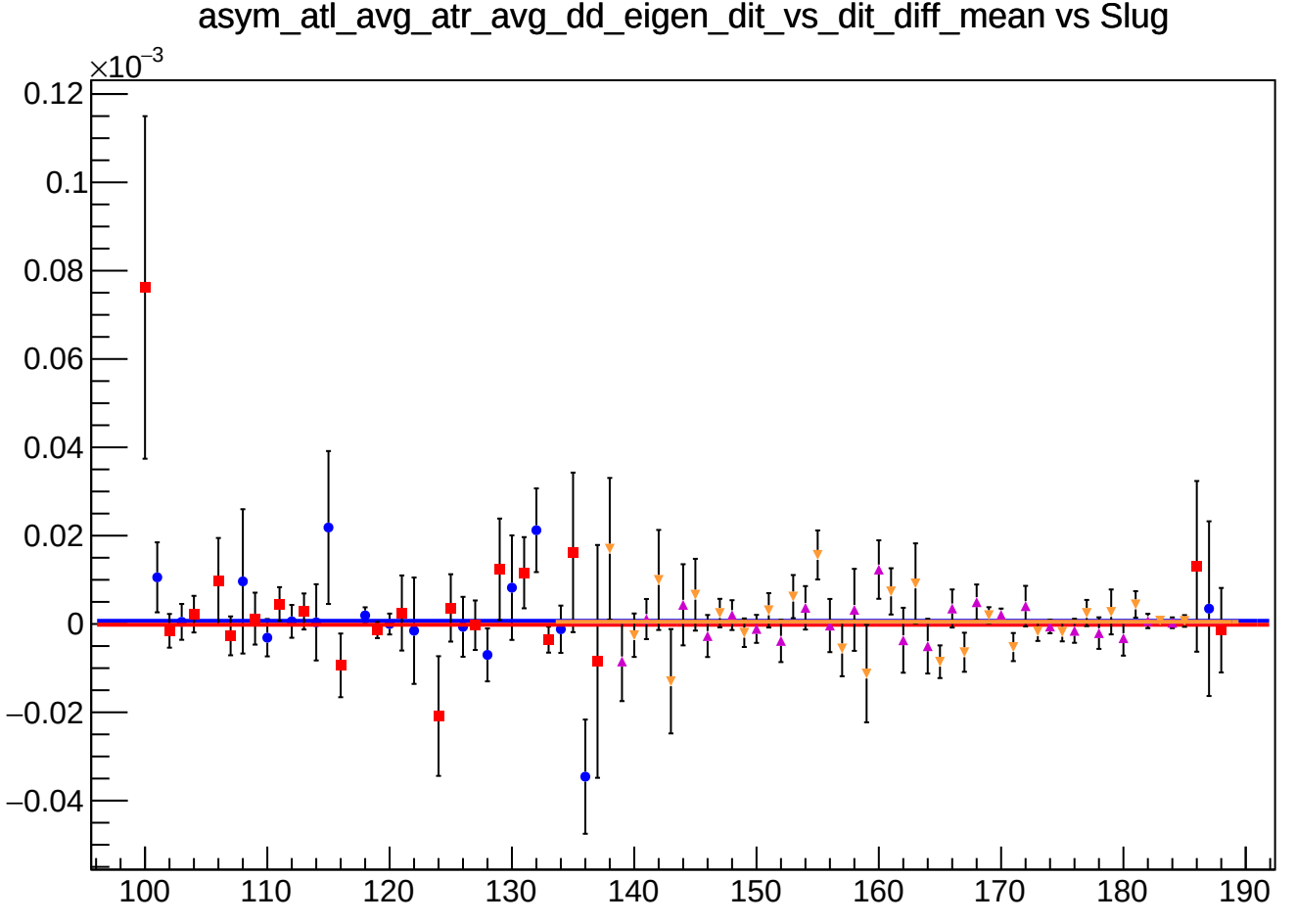
Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

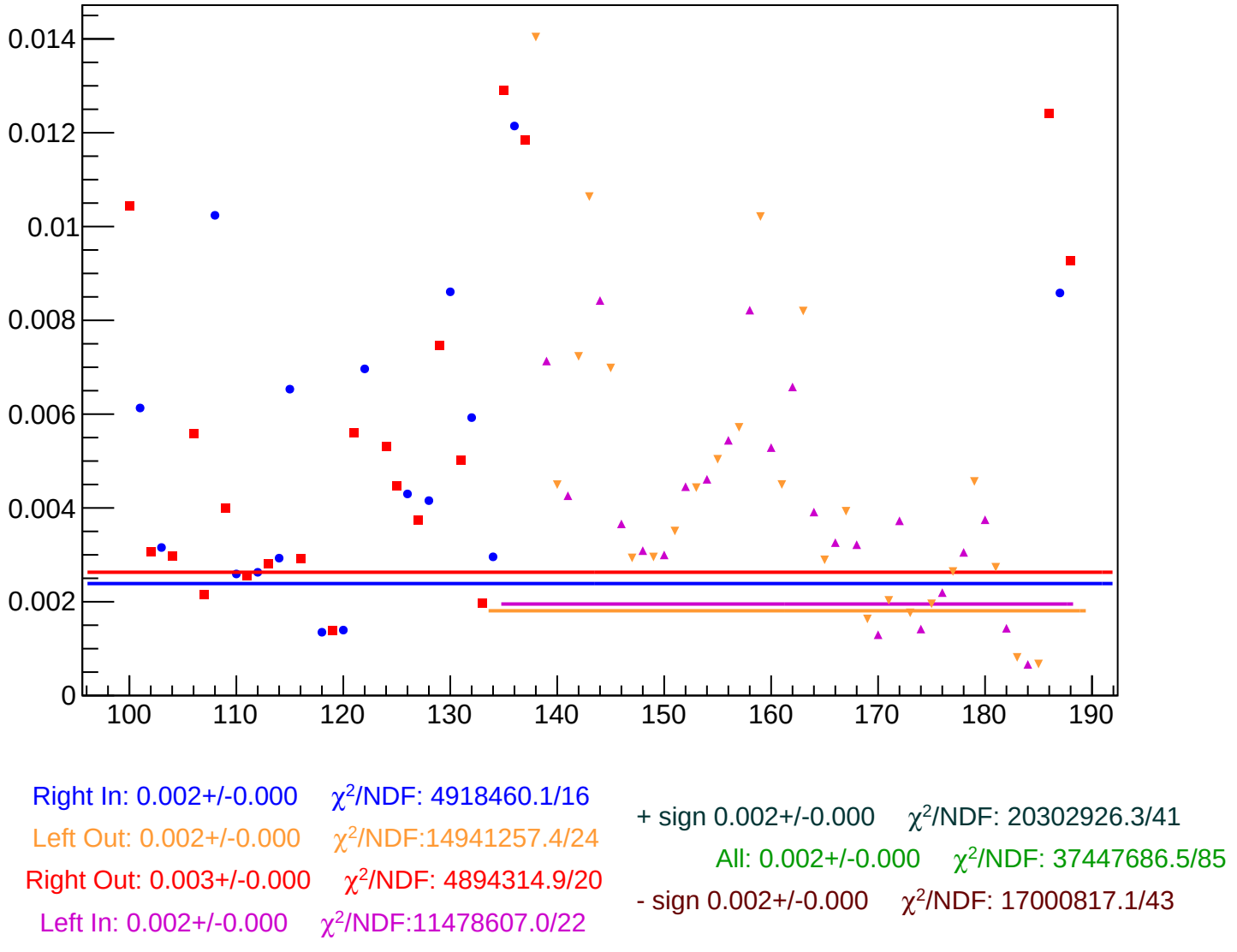
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

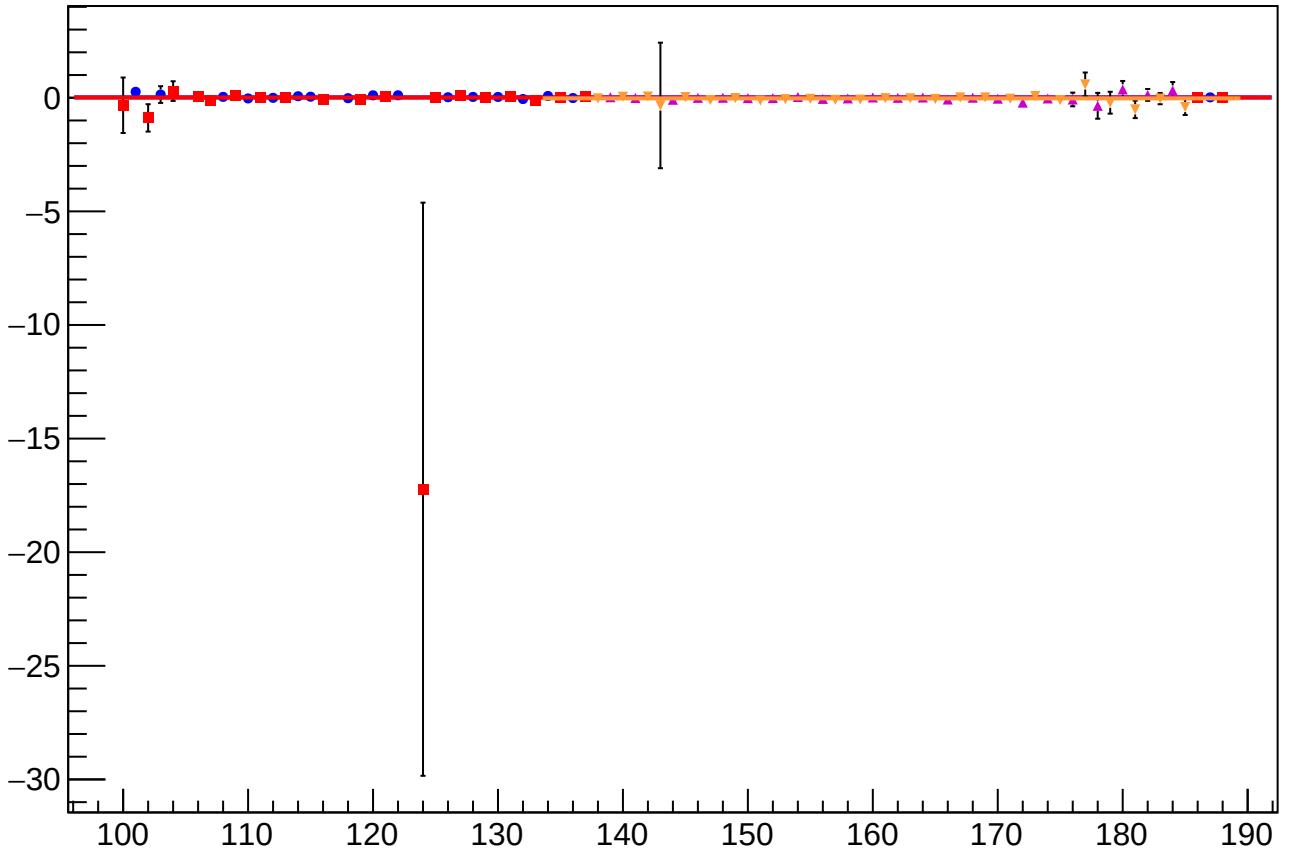
+ sign 33.509+/-0.006 χ^2/NDF: 13244847.8/41

All: 33.413+/-0.004 χ^2/NDF: 25176085.3/85

- sign 33.322+/-0.006 χ^2/NDF: 11930688.7/43


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.1/16
Left Out: 0.000+/-0.000 χ²/NDF:35.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 18.6/20
Left In: 0.000+/-0.000 χ²/NDF:13.7/22
+ sign 0.000+/-0.000 χ²/NDF: 54.9/41
All: 0.000+/-0.000 χ²/NDF: 87.5/85
- sign 0.000+/-0.000 χ²/NDF: 32.5/43


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 4918460.1/16
Left Out: 0.002+/-0.000 χ²/NDF:14941257.4/24
Right Out: 0.003+/-0.000 χ²/NDF: 4894314.9/20
Left In: 0.002+/-0.000 χ²/NDF:11478607.0/22
+ sign 0.002+/-0.000 χ²/NDF: 20302926.3/41
All: 0.002+/-0.000 χ²/NDF: 37447686.5/85
- sign 0.002+/-0.000 χ²/NDF: 17000817.1/43



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

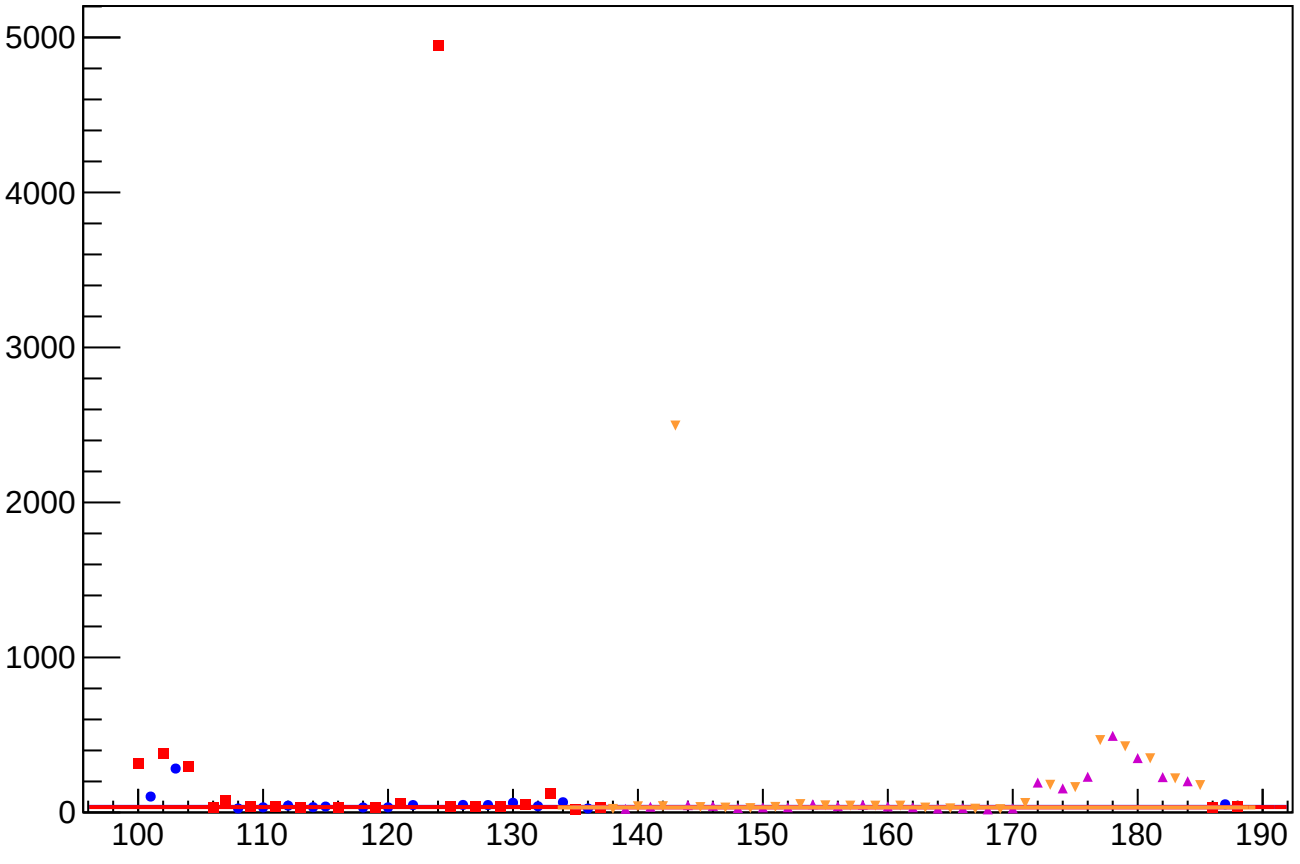
Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/85

\- sign -0.005+/-0.008 χ^2/NDF: 31.1/43



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

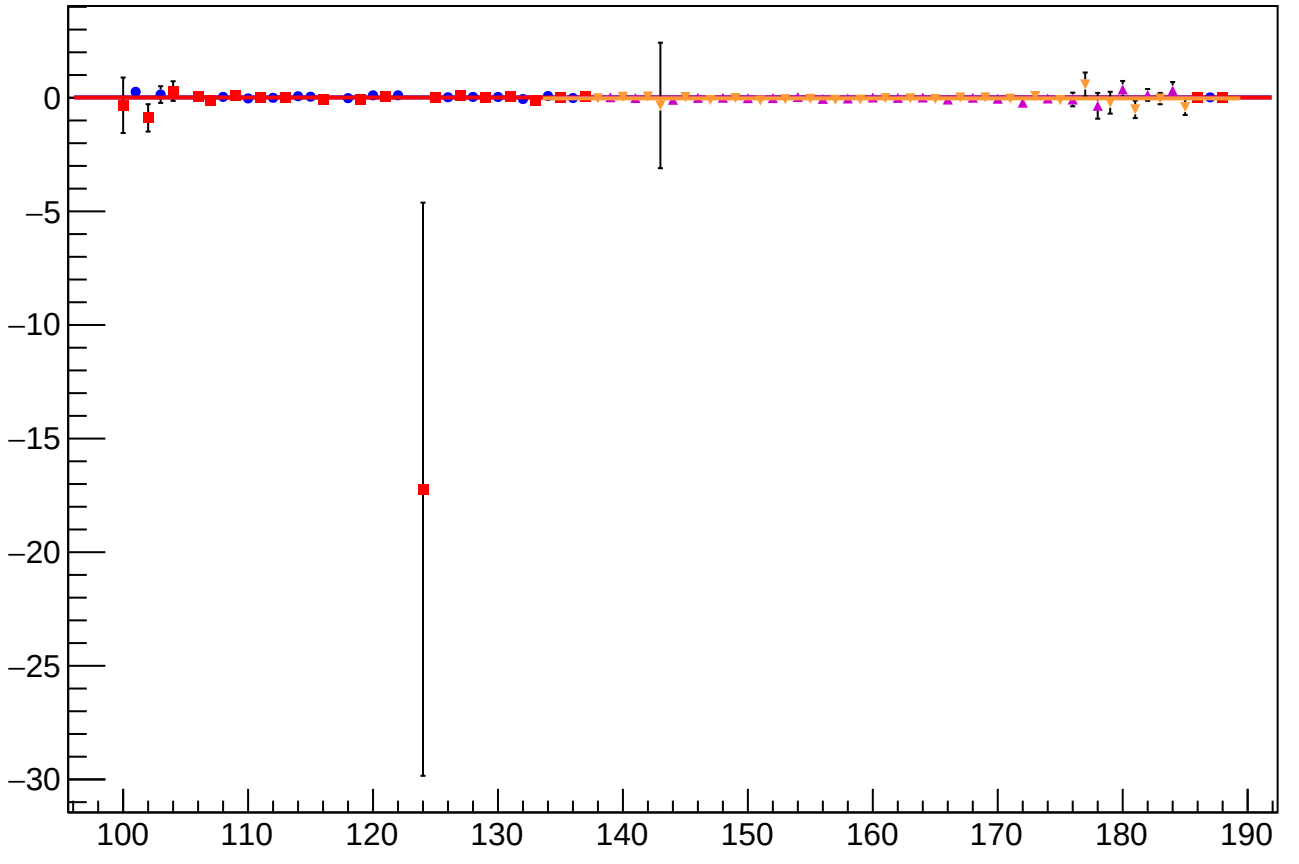
Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.509+/-0.006 χ^2/NDF: 13244882.2/41

All: 33.413+/-0.004 χ^2/NDF: 25176621.7/85

- sign 33.321+/-0.006 χ^2/NDF: 11931184.4/43



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

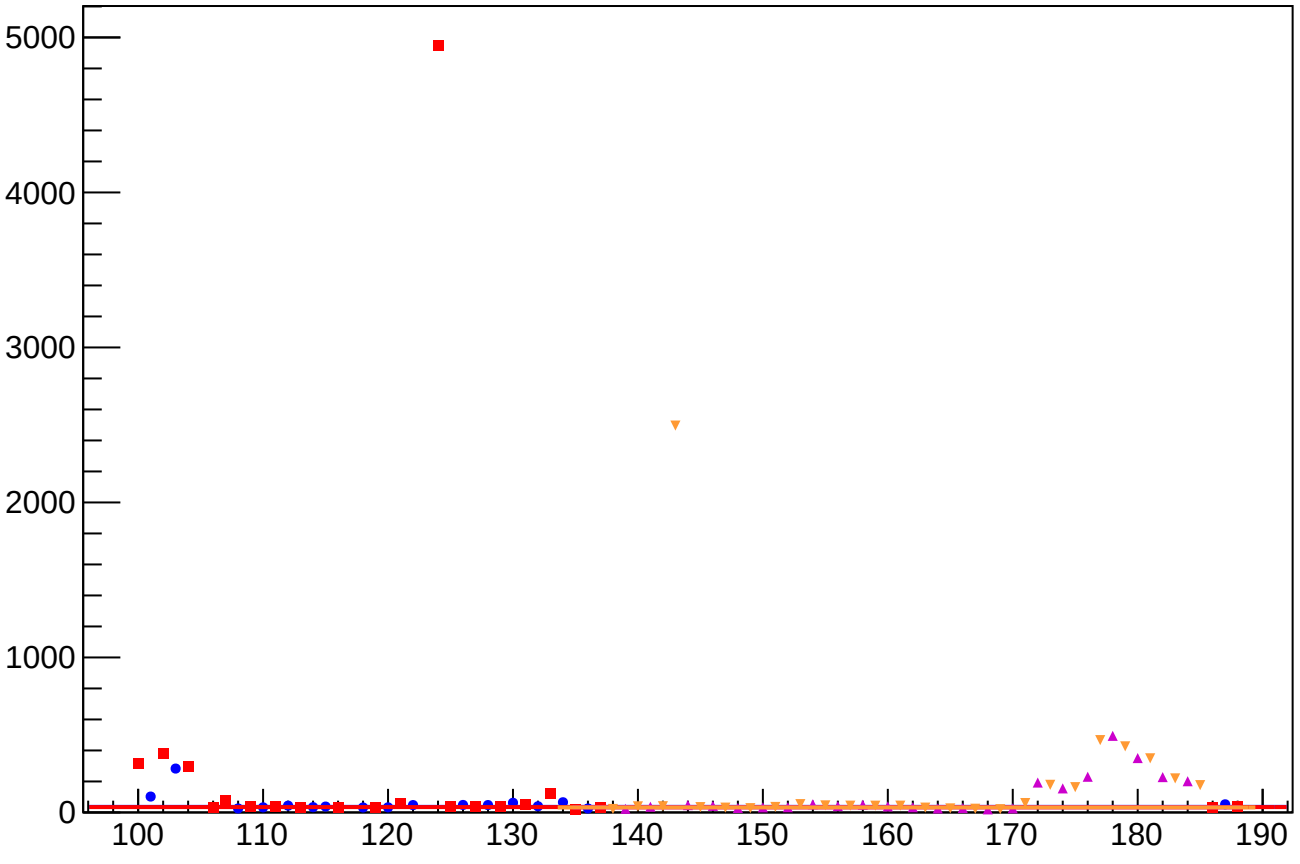
Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/85

- sign -0.005+/-0.008 χ^2/NDF: 31.1/43



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

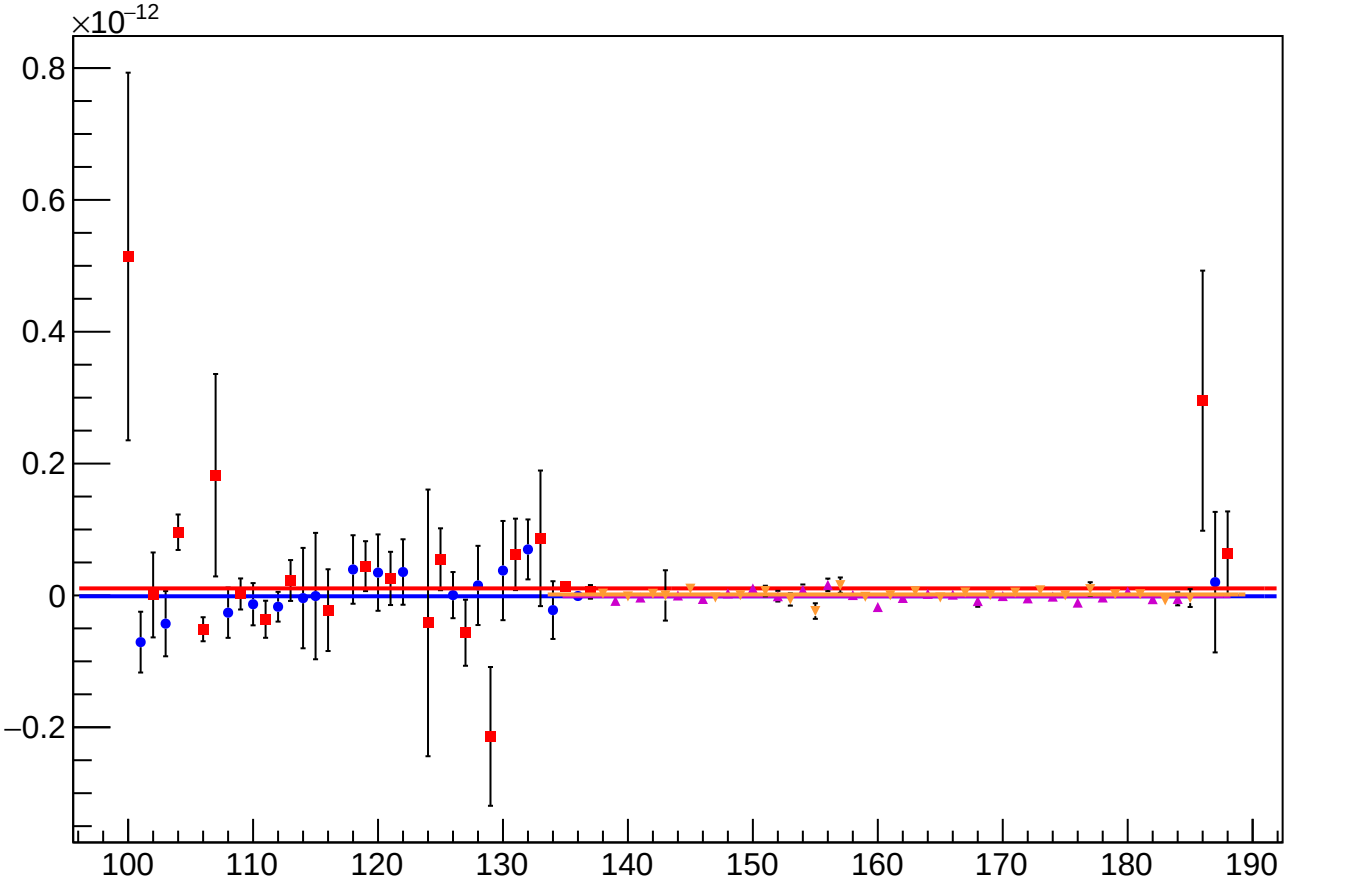
Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.509+/-0.006 χ^2/NDF: 13244882.2/41

All: 33.413+/-0.004 χ^2/NDF: 25176621.7/85

- sign 33.321+/-0.006 χ^2/NDF: 11931184.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 8.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

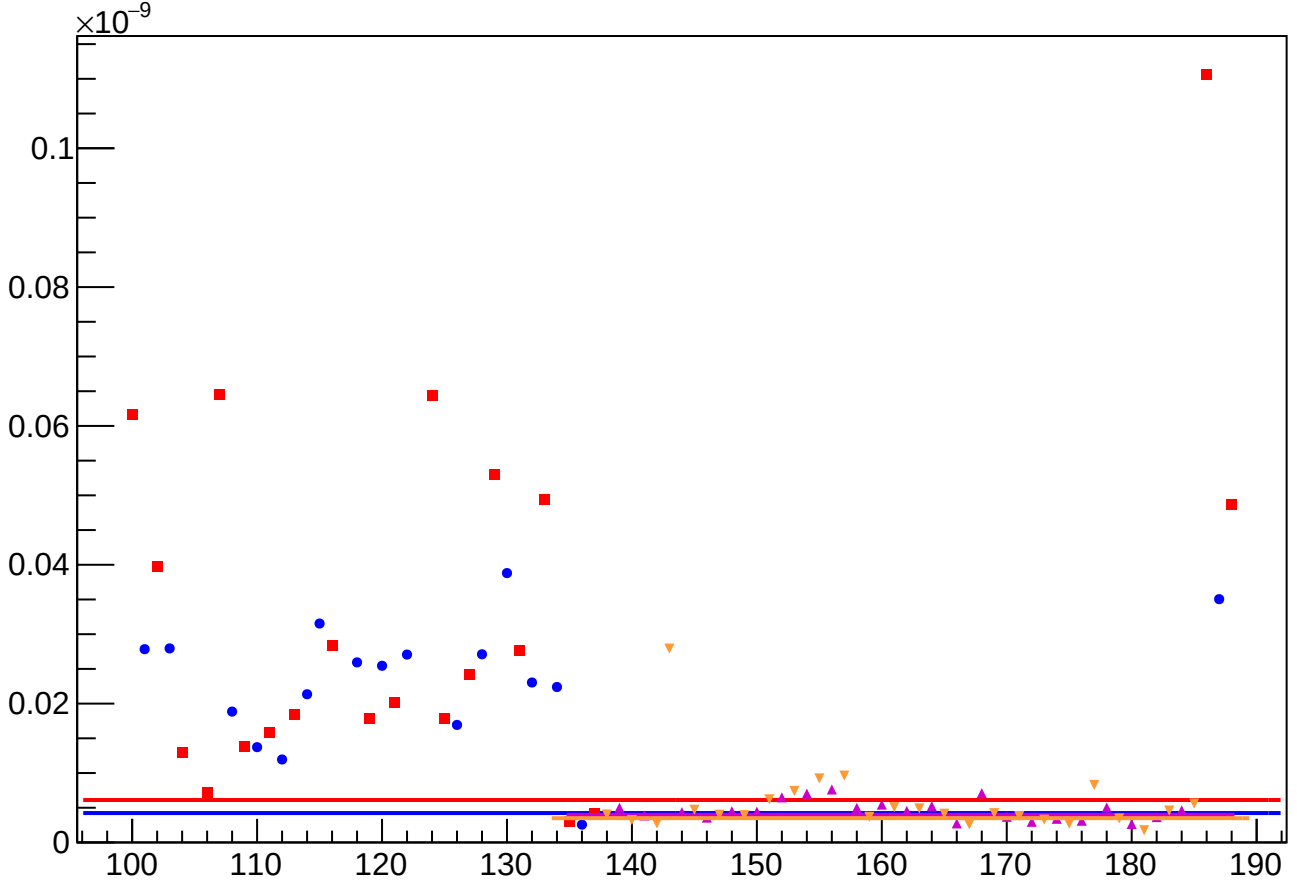
Right Out: 0.000+/-0.000 χ^2/NDF: 42.6/20

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/41

All: 0.000+/-0.000 χ^2/NDF: 107.4/85

- sign -0.000+/-0.000 χ^2/NDF: 78.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 5247535.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6295310.3/20

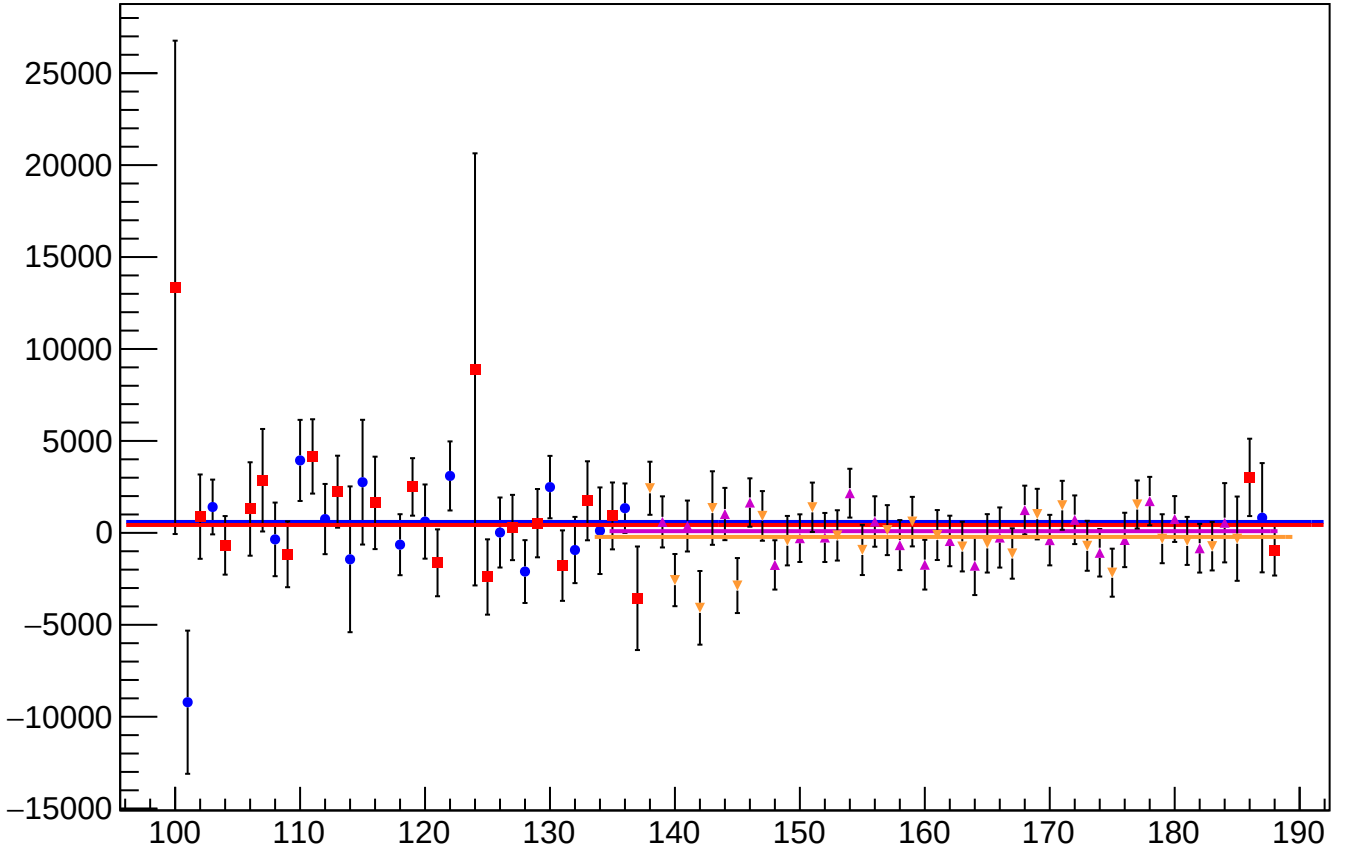
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10020891.1/41

All: 0.000+/-0.000 χ^2/NDF: 19165032.9/85

- sign 0.000+/-0.000 χ^2/NDF: 8859381.7/43

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 593.024+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 430.074+/-442.880 χ^2/NDF: 19.4/20

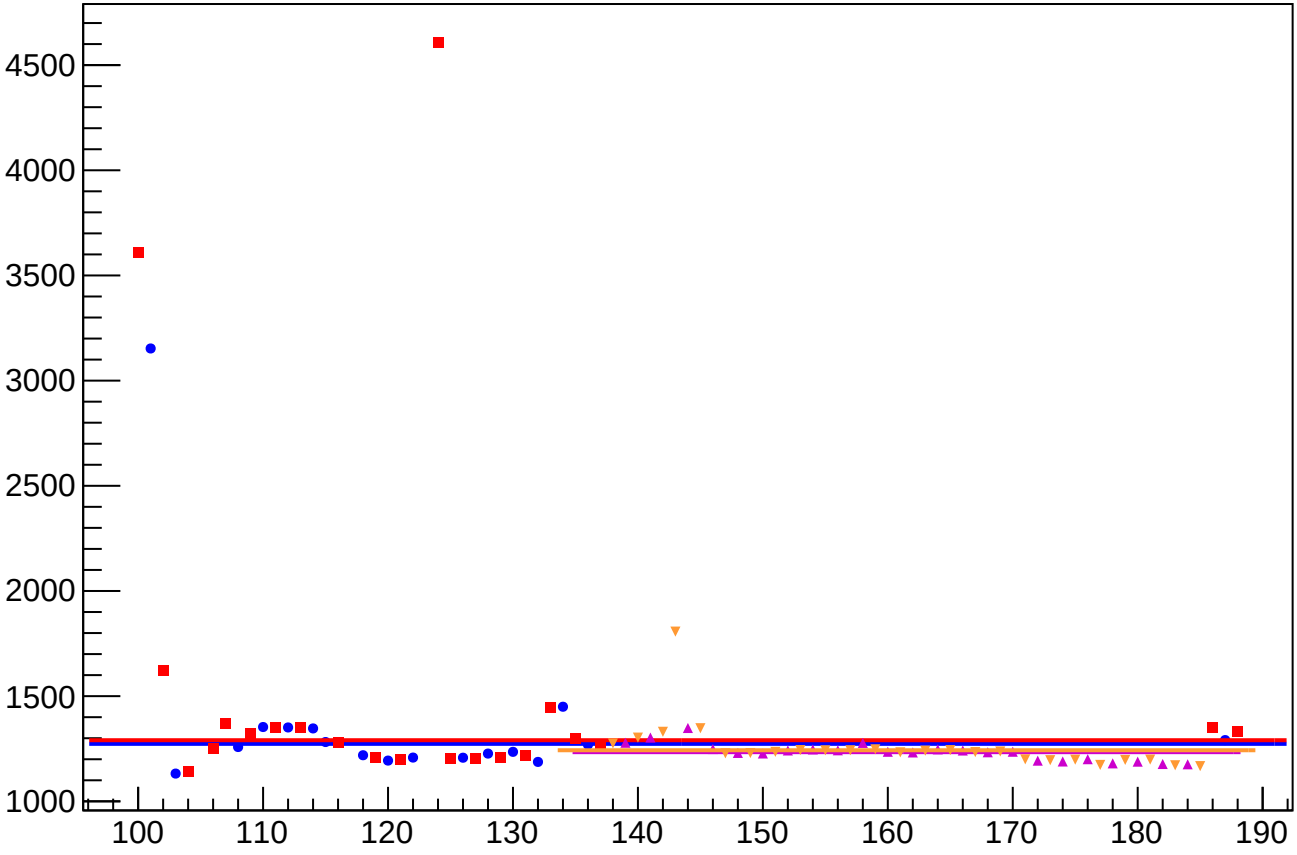
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

\+ sign -8.271+/-243.316 χ^2/NDF: 43.2/41

All: 93.021+/-171.429 χ^2/NDF: 78.0/85

\- sign 192.863+/-241.568 χ^2/NDF: 34.5/43

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1273.276+/-0.337 χ^2/NDF: 519372.5/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

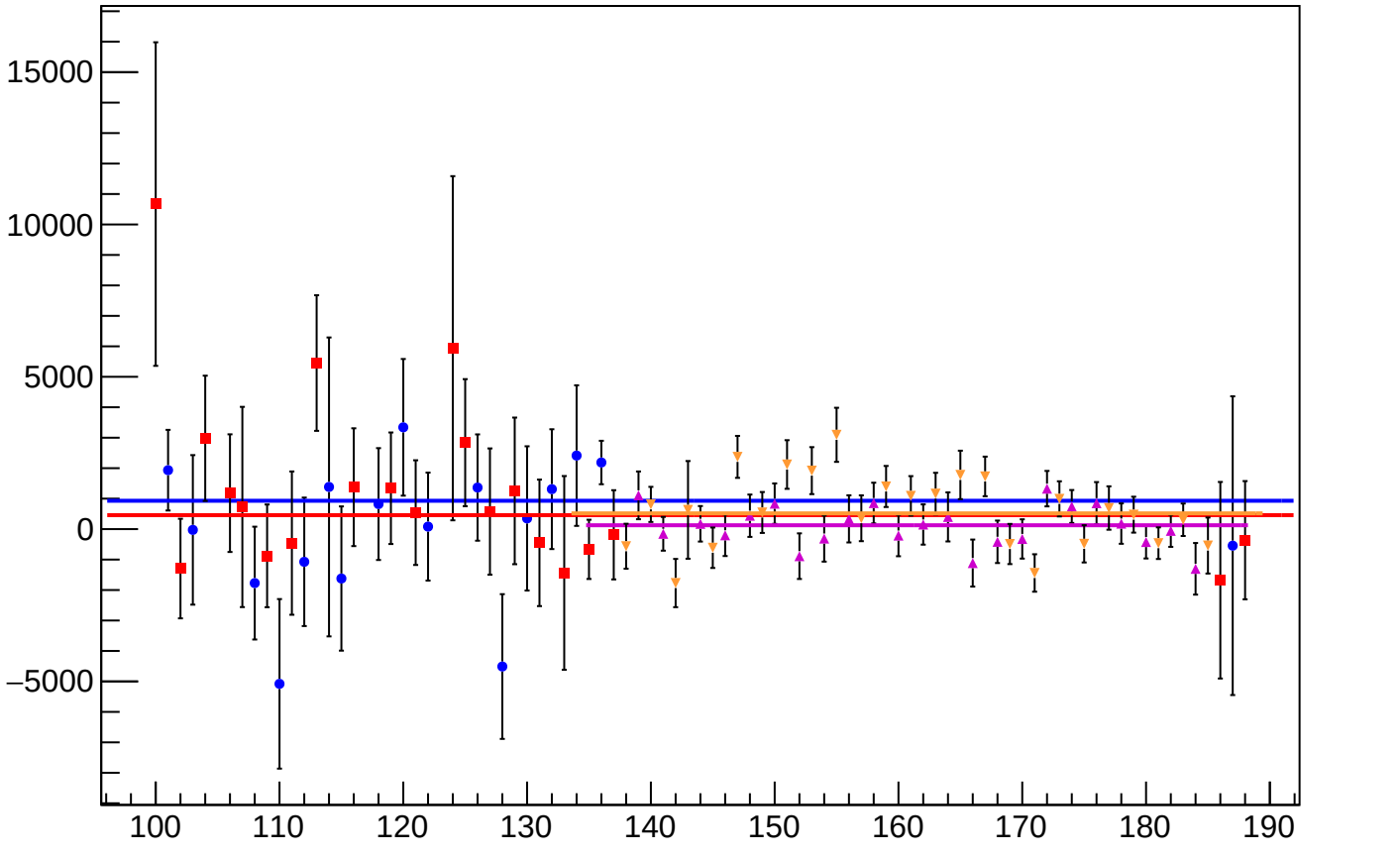
Right Out: 1290.531+/-0.313 χ^2/NDF: 326092.8/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1250.775+/-0.172 χ^2/NDF: 728714.8/41

All: 1250.709+/-0.121 χ^2/NDF: 1117182.3/85

- sign 1250.645+/-0.171 χ^2/NDF: 388467.2/43



Right In: 930.636+/-424.240 χ^2/NDF: 20.0/16

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 458.611+/-425.275 χ^2/NDF: 17.8/20

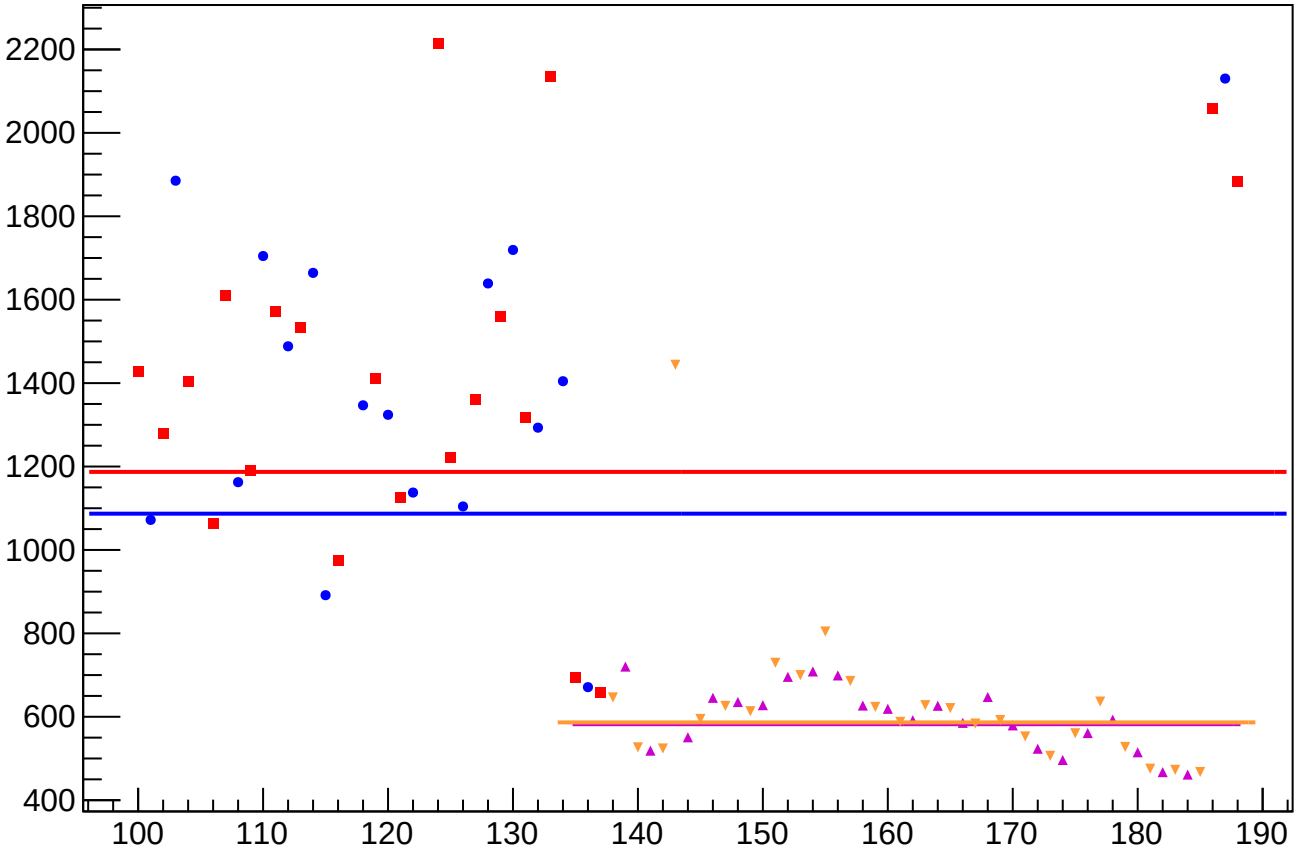
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 555.228+/-129.289 χ^2/NDF: 87.9/41

All: 358.613+/-91.892 χ^2/NDF: 132.5/85

- sign 157.898+/-130.630 χ^2/NDF: 39.9/43

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1086.989+/-0.300 χ^2/NDF: 1573454.6/16

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1187.148+/-0.301 χ^2/NDF: 1724492.9/20

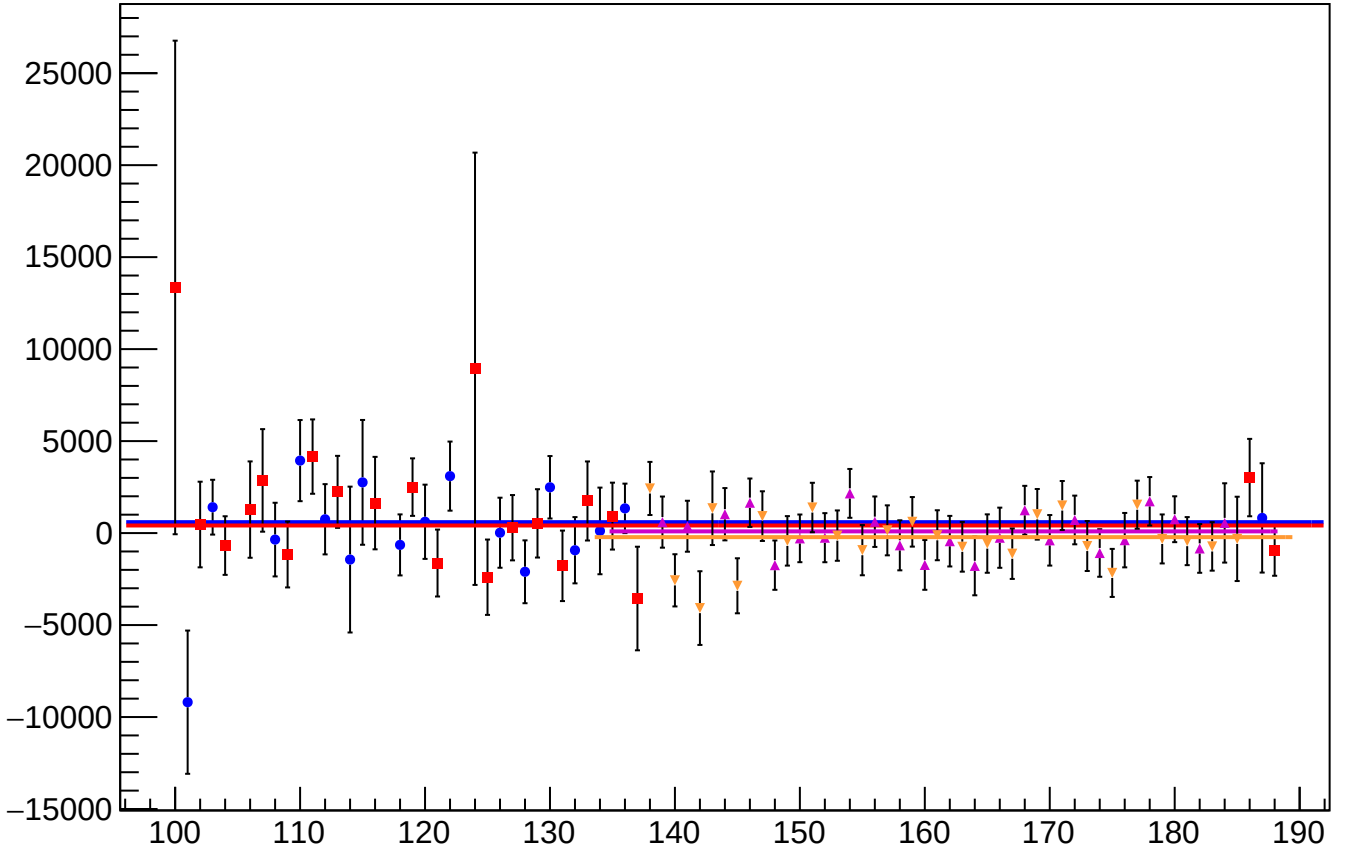
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 633.035+/-0.091 χ^2/NDF: 5300799.6/41

All: 636.120+/-0.065 χ^2/NDF: 11252068.9/85

- sign 639.269+/-0.092 χ^2/NDF: 5948968.4/43

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 412.448+/-443.519 χ^2/NDF: 19.4/20

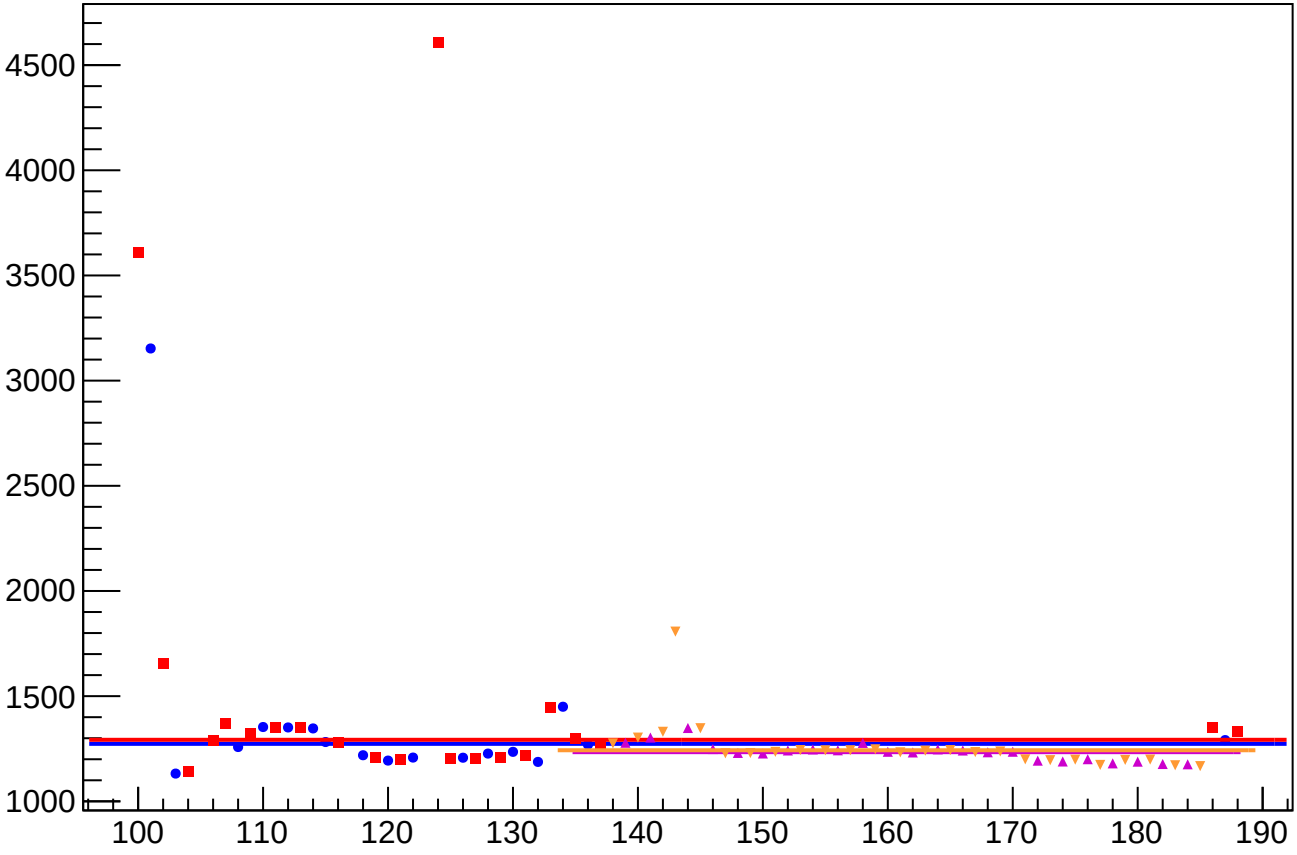
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

\+ sign -8.214+/-243.316 χ^2/NDF: 43.1/41

All: 90.294+/-171.466 χ^2/NDF: 77.9/85

\- sign 187.476+/-241.671 χ^2/NDF: 34.4/43

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

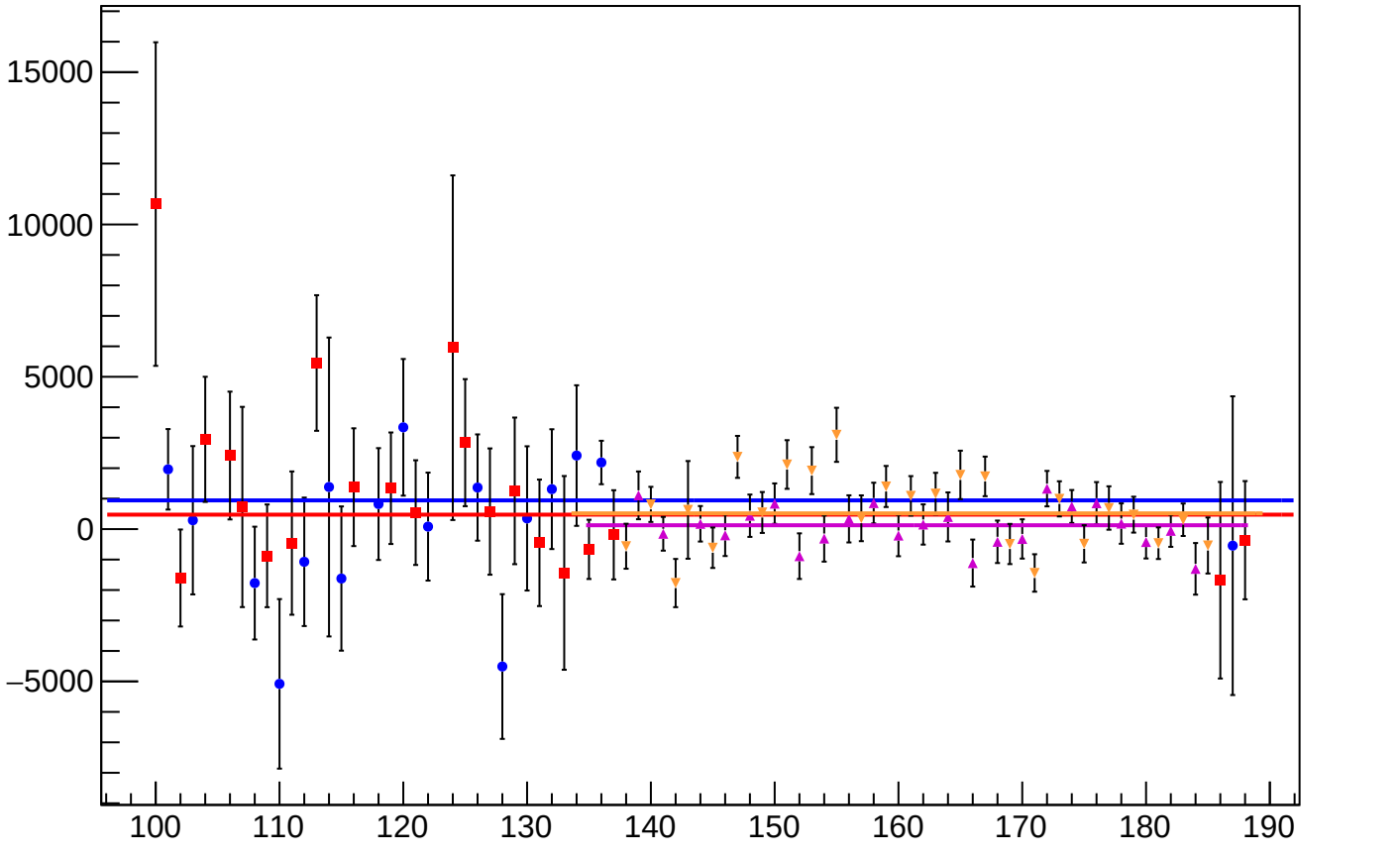
Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.775+/-0.172 χ^2/NDF: 728716.1/41

All: 1250.986+/-0.121 χ^2/NDF: 1125101.7/85

- sign 1251.195+/-0.171 χ^2/NDF: 396382.5/43



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

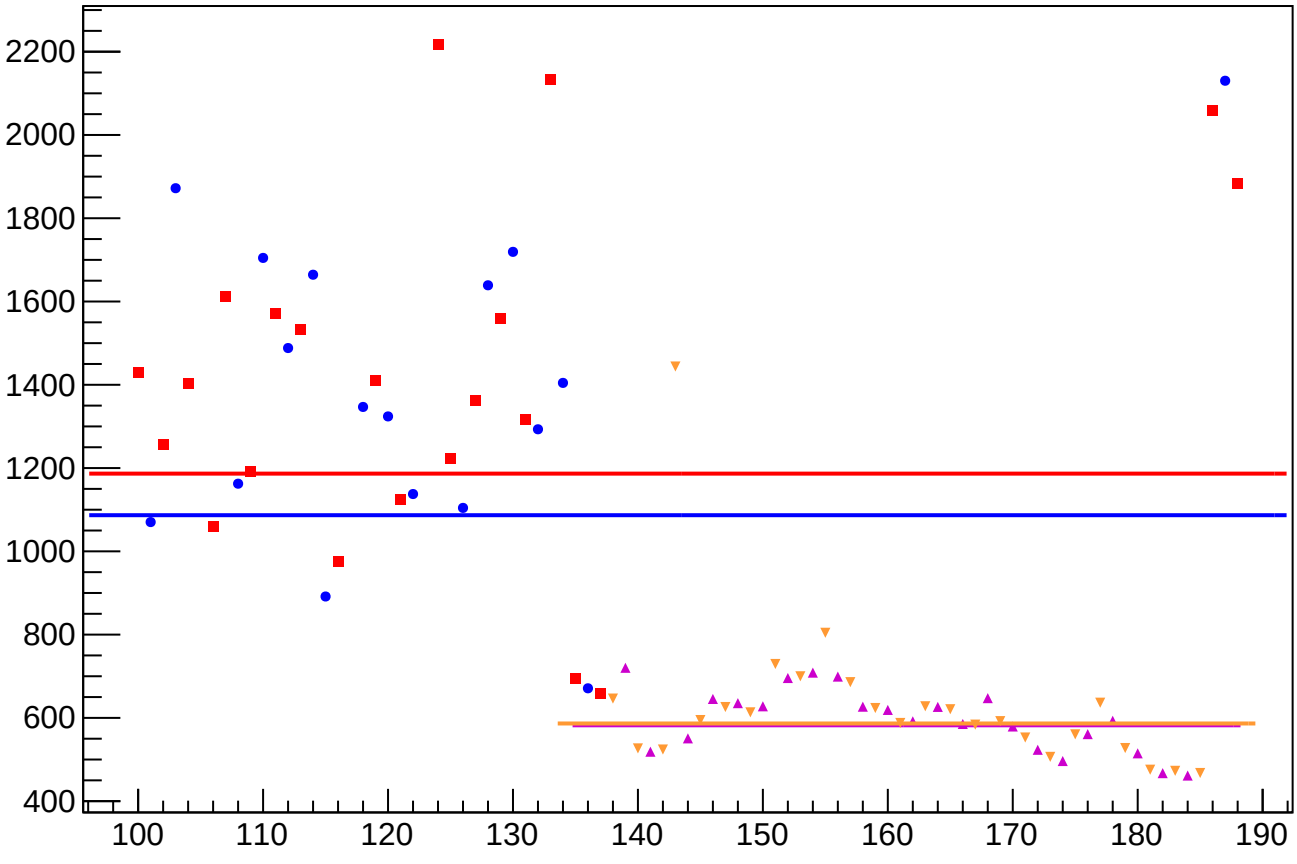
Right Out: 474.485+/-426.046 χ^2/NDF: 19.0/20

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 556.418+/-129.285 χ^2/NDF: 87.9/41

All: 359.933+/-91.898 χ^2/NDF: 133.8/85

- sign 159.270+/-130.652 χ^2/NDF: 41.2/43



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

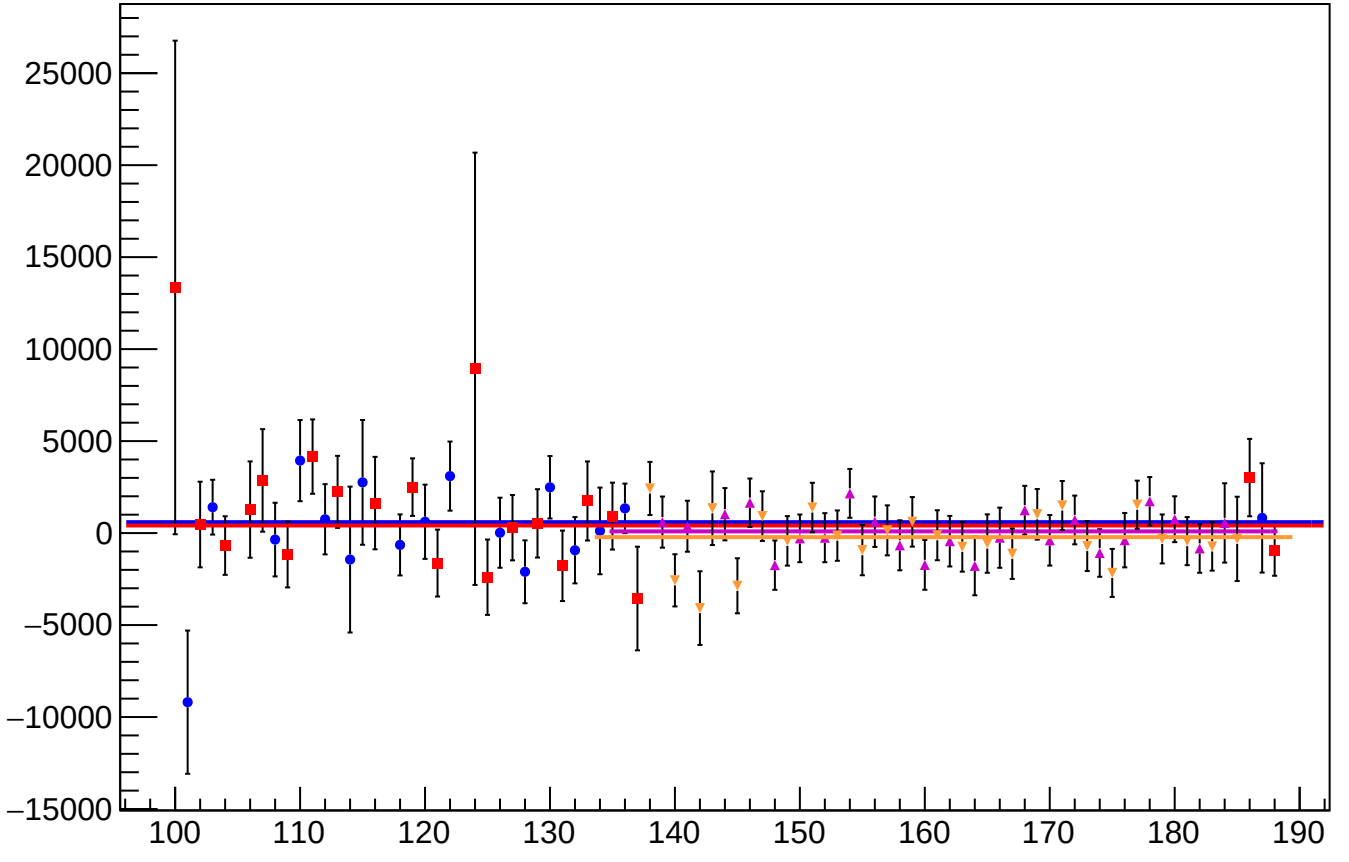
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 633.056+/-0.091 χ^2/NDF: 5297113.9/41

All: 636.013+/-0.065 χ^2/NDF: 11226719.1/85

- sign 639.033+/-0.092 χ^2/NDF: 5927490.4/43

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 412.448+/-443.519 χ^2/NDF: 19.4/20

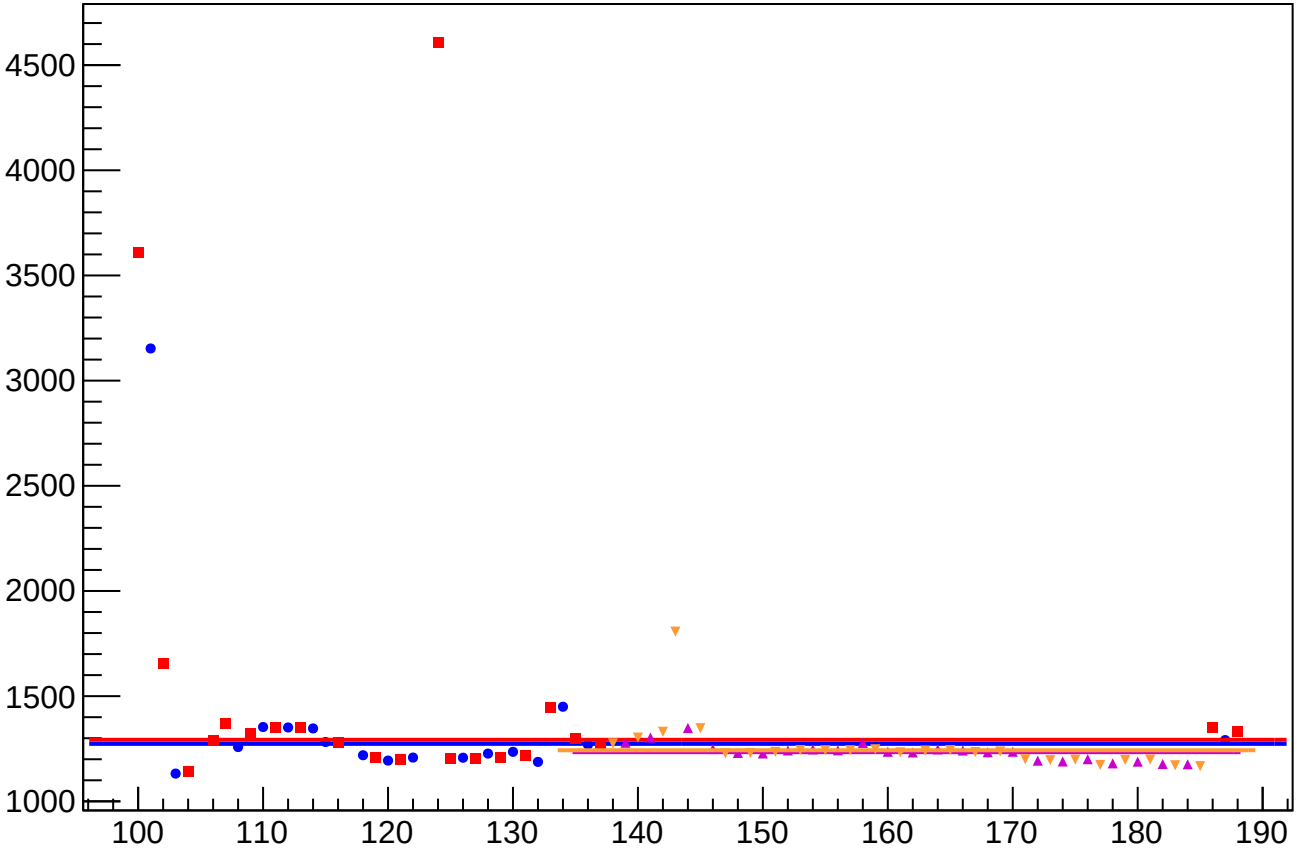
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -8.214+/-243.316 χ^2/NDF: 43.1/41

All: 90.294+/-171.466 χ^2/NDF: 77.9/85

- sign 187.476+/-241.671 χ^2/NDF: 34.4/43

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

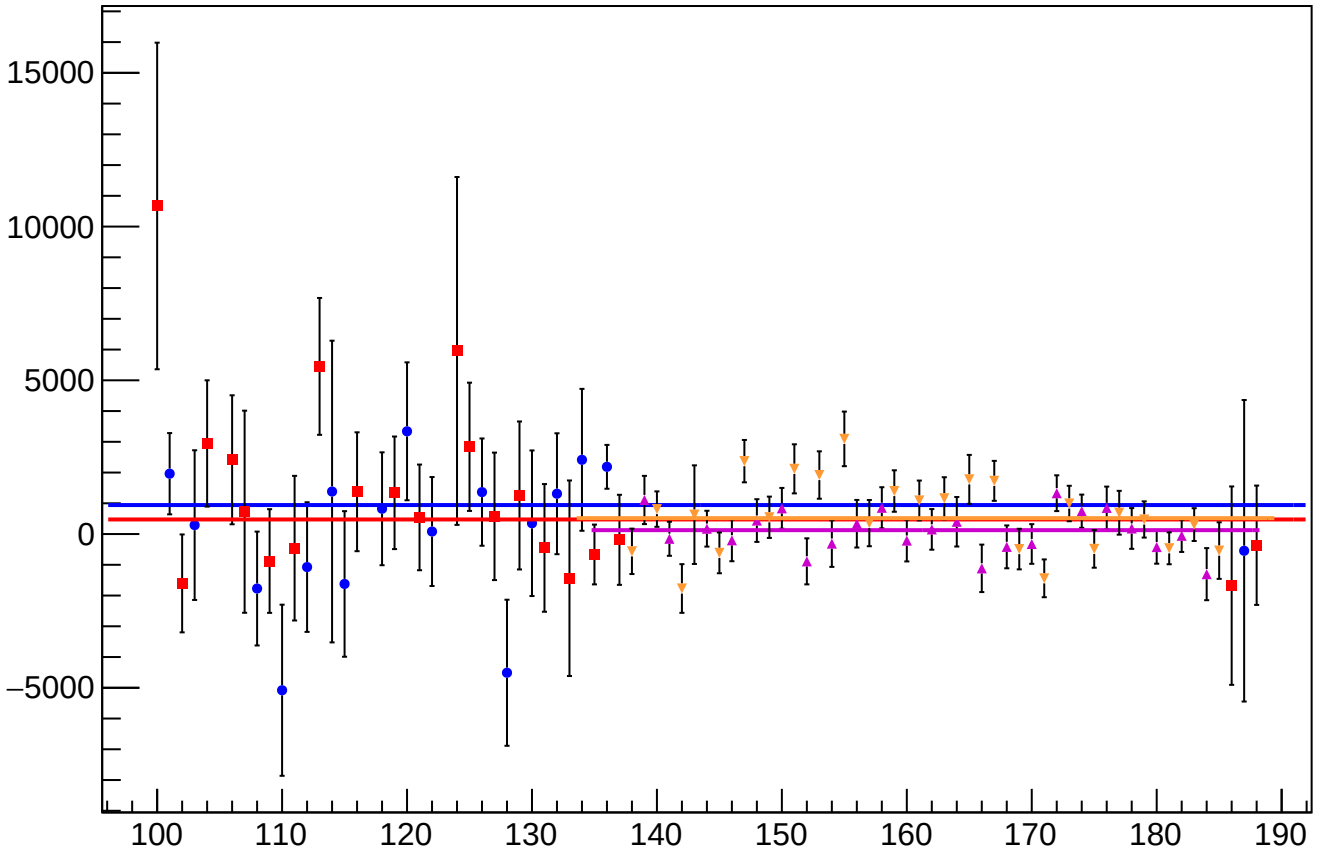
Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.775+/-0.172 χ^2/NDF: 728716.1/41

All: 1250.986+/-0.121 χ^2/NDF: 1125101.7/85

- sign 1251.195+/-0.171 χ^2/NDF: 396382.5/43



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

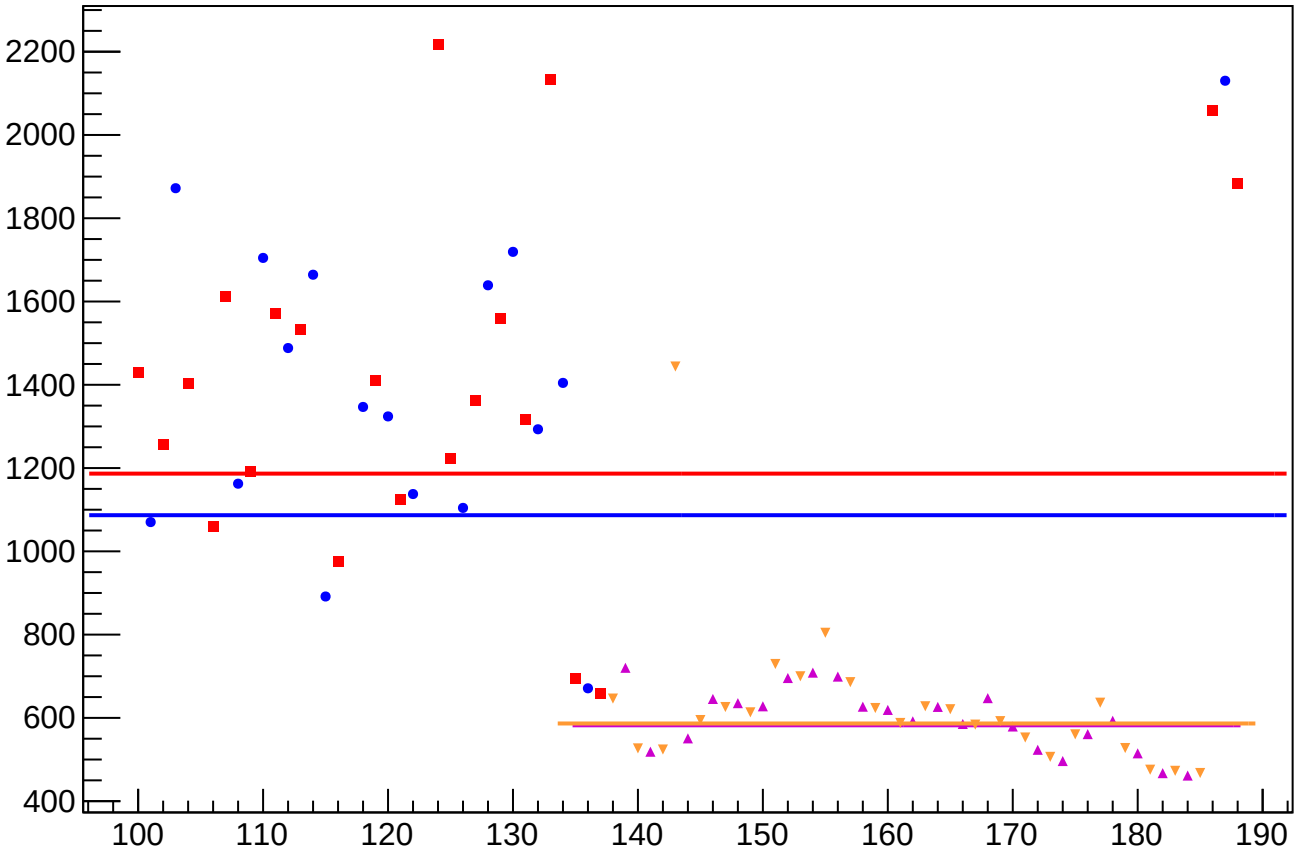
Right Out: 474.485+/-426.046 χ^2/NDF: 19.0/20

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 556.418+/-129.285 χ^2/NDF: 87.9/41

All: 359.933+/-91.898 χ^2/NDF: 133.8/85

- sign 159.270+/-130.652 χ^2/NDF: 41.2/43



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

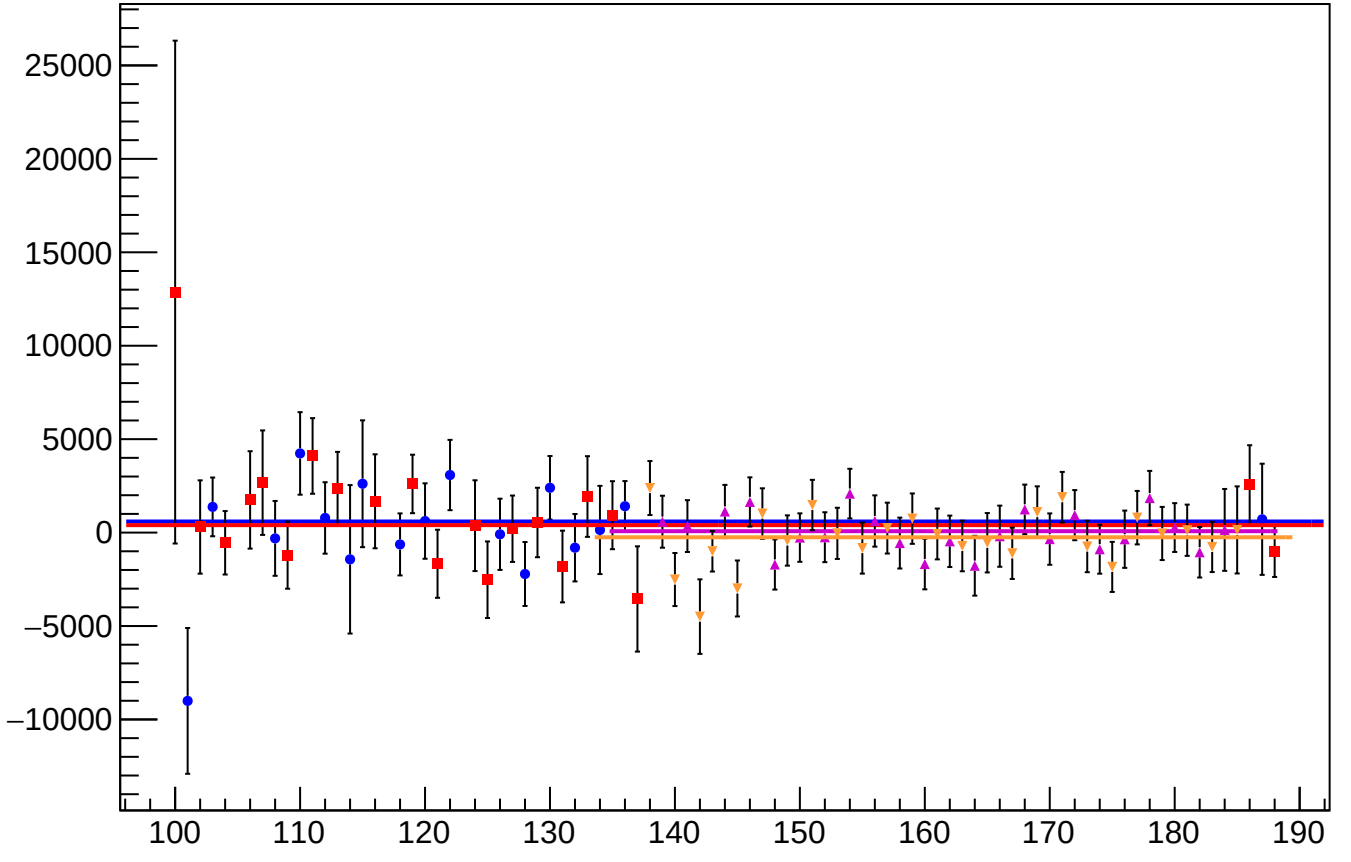
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 633.056+/-0.091 χ^2/NDF: 5297113.9/41

All: 636.013+/-0.065 χ^2/NDF: 11226719.1/85

- sign 639.033+/-0.092 χ^2/NDF: 5927490.4/43

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 593.494+/-479.141 χ^2/NDF: 17.1/16

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 398.578+/-440.118 χ^2/NDF: 18.8/20

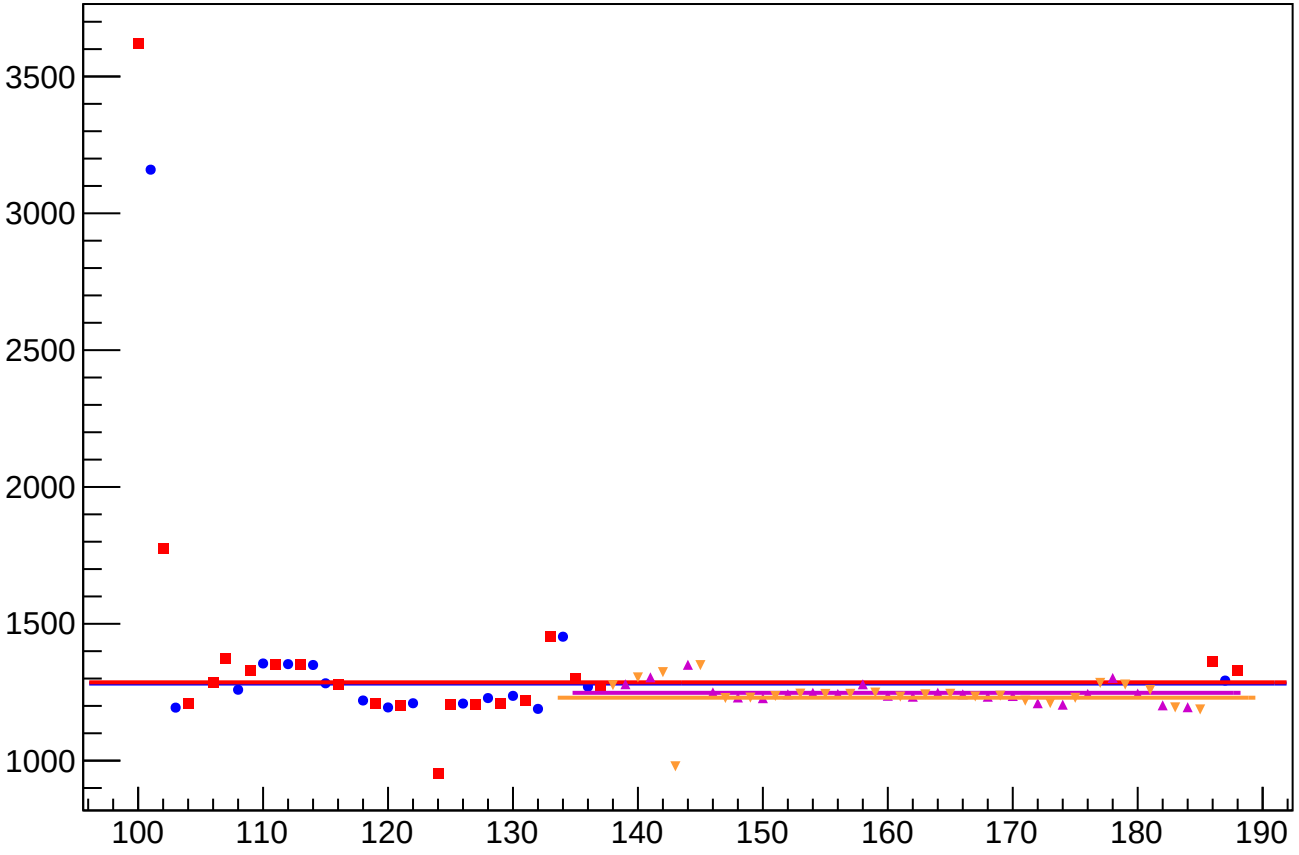
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -35.997+/-241.698 χ^2/NDF: 43.5/41

All: 68.217+/-171.366 χ^2/NDF: 77.0/85

- sign 173.561+/-243.005 χ^2/NDF: 33.2/43

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.2/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

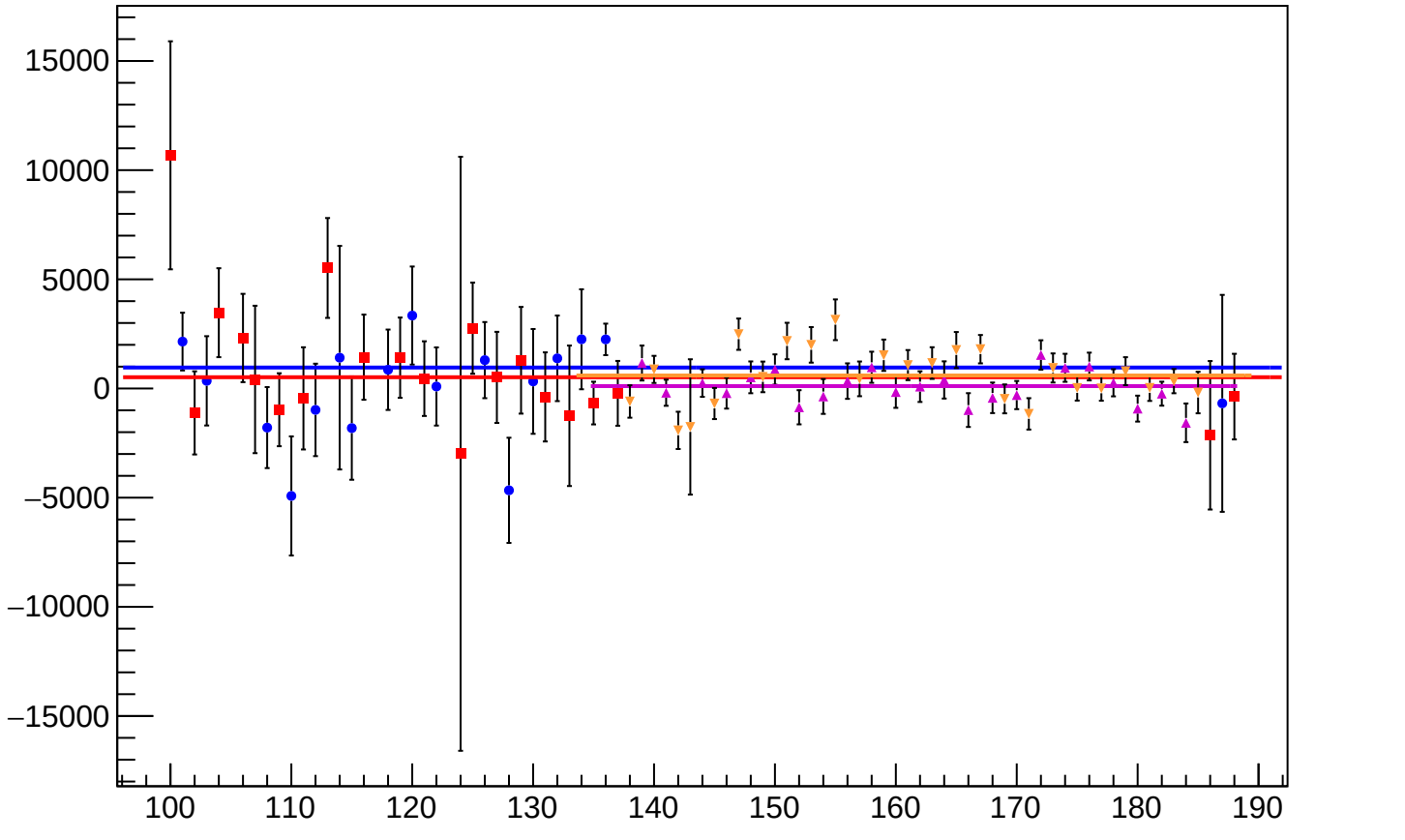
Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.6/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1243.135+/-0.171 χ^2/NDF: 666056.5/41

All: 1251.267+/-0.121 χ^2/NDF: 934501.5/85

- sign 1259.487+/-0.172 χ^2/NDF: 263892.4/43



Right In: 960.265+/-423.669 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 516.041+/-432.945 χ^2/NDF: 18.0/20

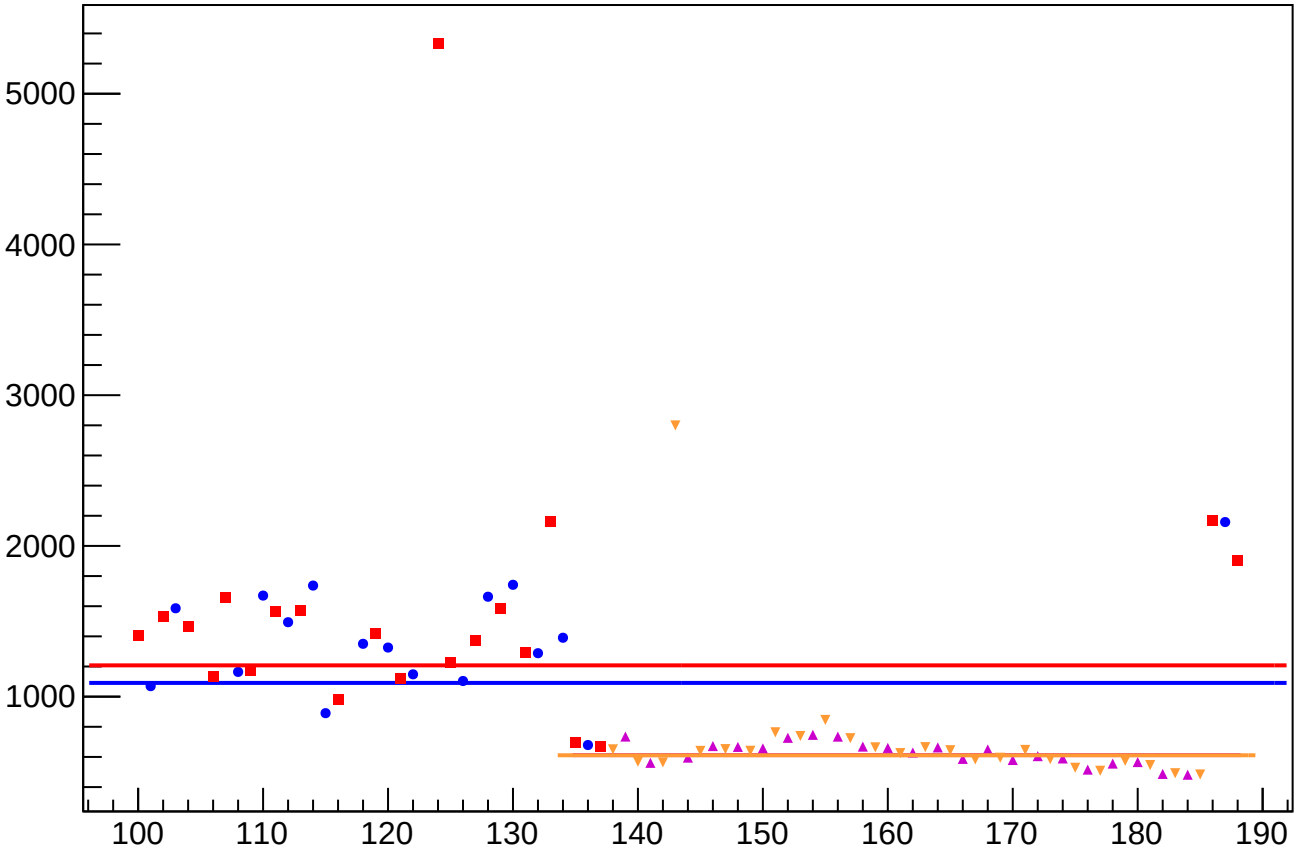
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 631.950+/-134.750 χ^2/NDF: 78.6/41

All: 395.069+/-96.013 χ^2/NDF: 129.3/85

- sign 150.789+/-136.839 χ^2/NDF: 44.5/43

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1091.153+/-0.300 χ^2/NDF: 1453127.6/16

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

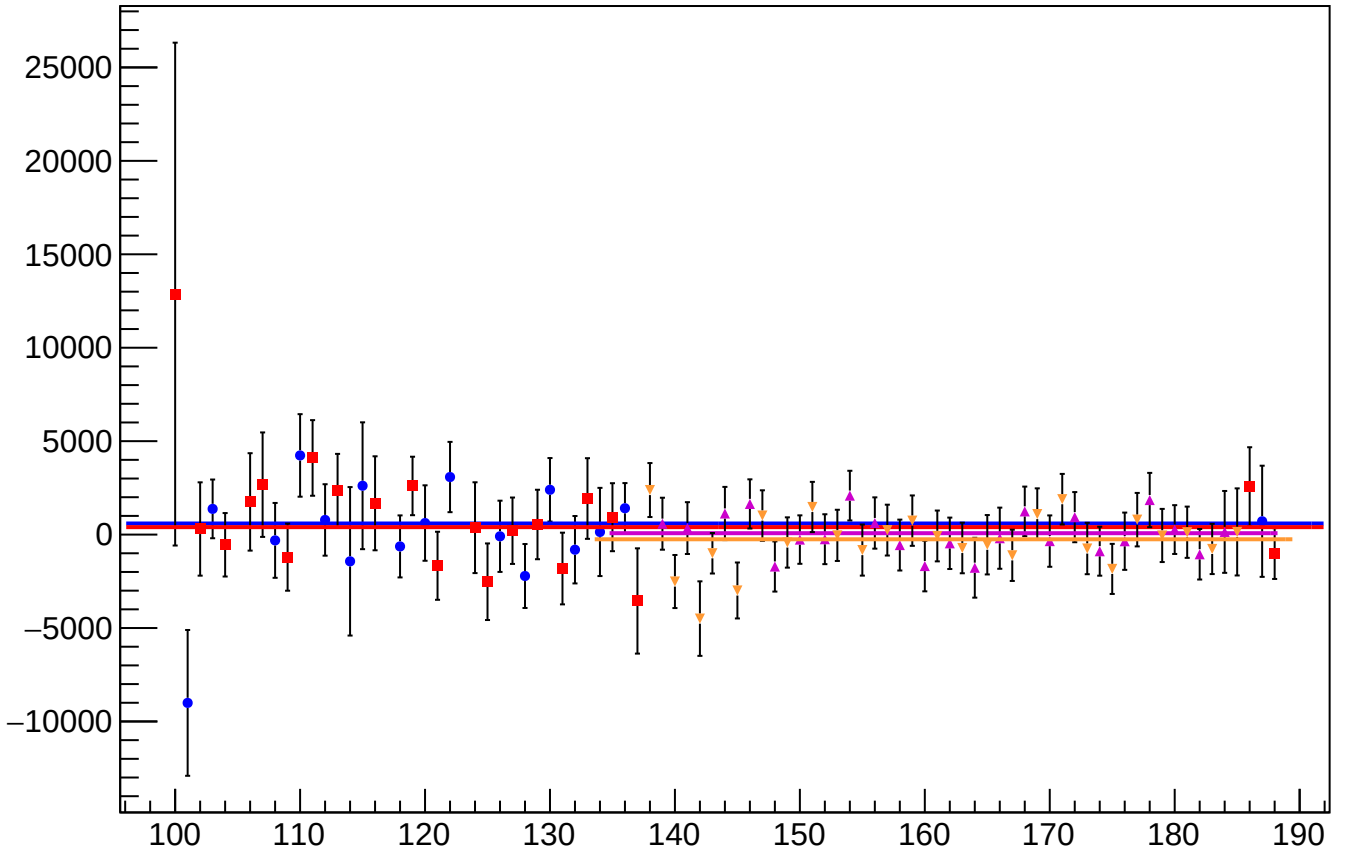
Right Out: 1207.580+/-0.306 χ^2/NDF: 1926728.6/20

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 659.650+/-0.095 χ^2/NDF: 5380589.6/41

All: 665.659+/-0.068 χ^2/NDF: 11226145.8/85

- sign 671.856+/-0.097 χ^2/NDF: 5837477.2/43



Right In: 593.495+/-479.141 χ^2/NDF: 17.1/16

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 398.577+/-440.118 χ^2/NDF: 18.8/20

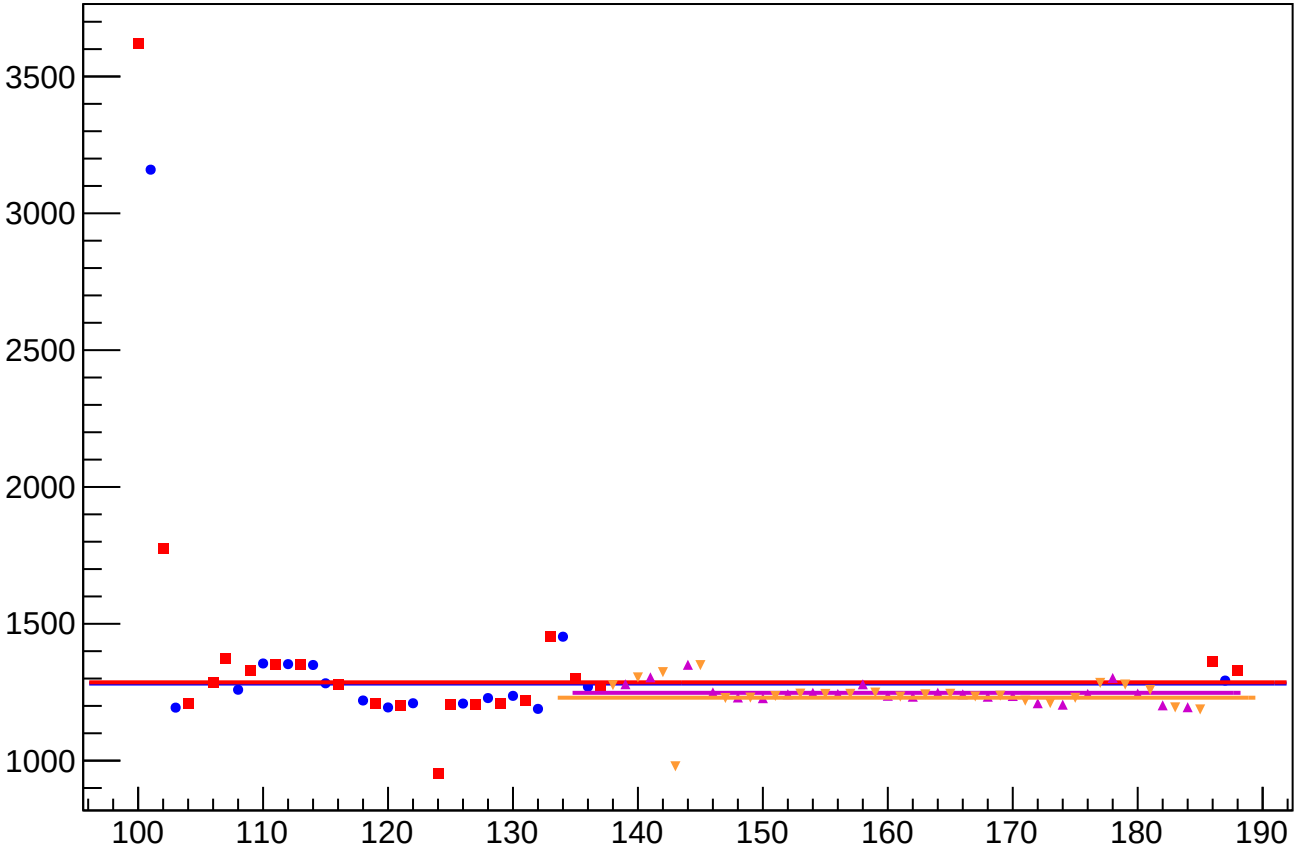
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

\+ sign -35.998+/-241.698 χ^2/NDF: 43.5/41

All: 68.216+/-171.366 χ^2/NDF: 77.0/85

\- sign 173.561+/-243.005 χ^2/NDF: 33.2/43

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.3/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

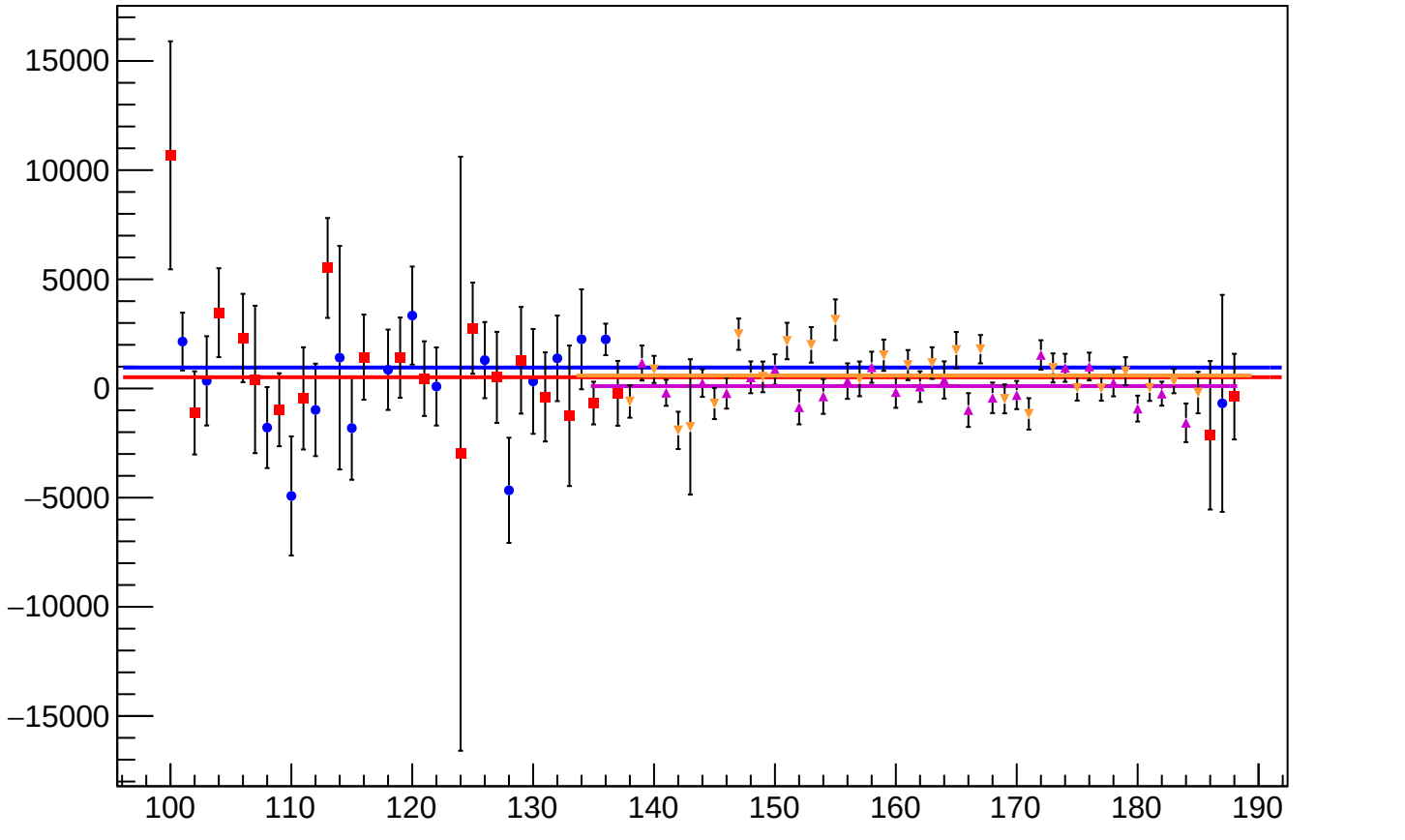
Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.5/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1243.135+/-0.171 χ^2/NDF: 666055.7/41

All: 1251.267+/-0.121 χ^2/NDF: 934500.5/85

- sign 1259.487+/-0.172 χ^2/NDF: 263892.3/43



Right In: 960.259+/-423.671 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

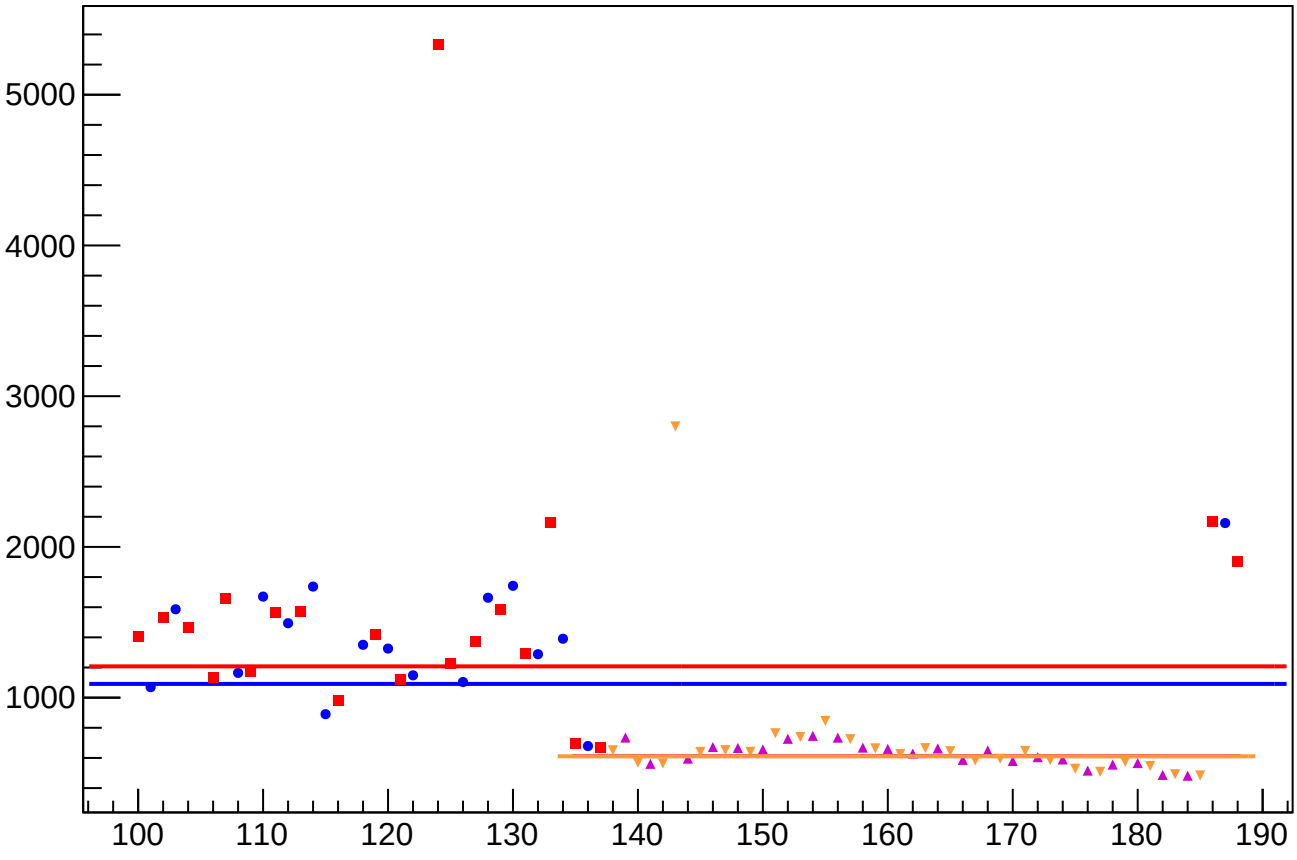
Right Out: 516.050+/-432.947 χ^2/NDF: 18.0/20

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 631.949+/-134.750 χ^2/NDF: 78.6/41

All: 395.069+/-96.013 χ^2/NDF: 129.3/85

- sign 150.789+/-136.839 χ^2/NDF: 44.5/43



Right In: 1091.160+/-0.300 χ^2/NDF: 1453069.6/16

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

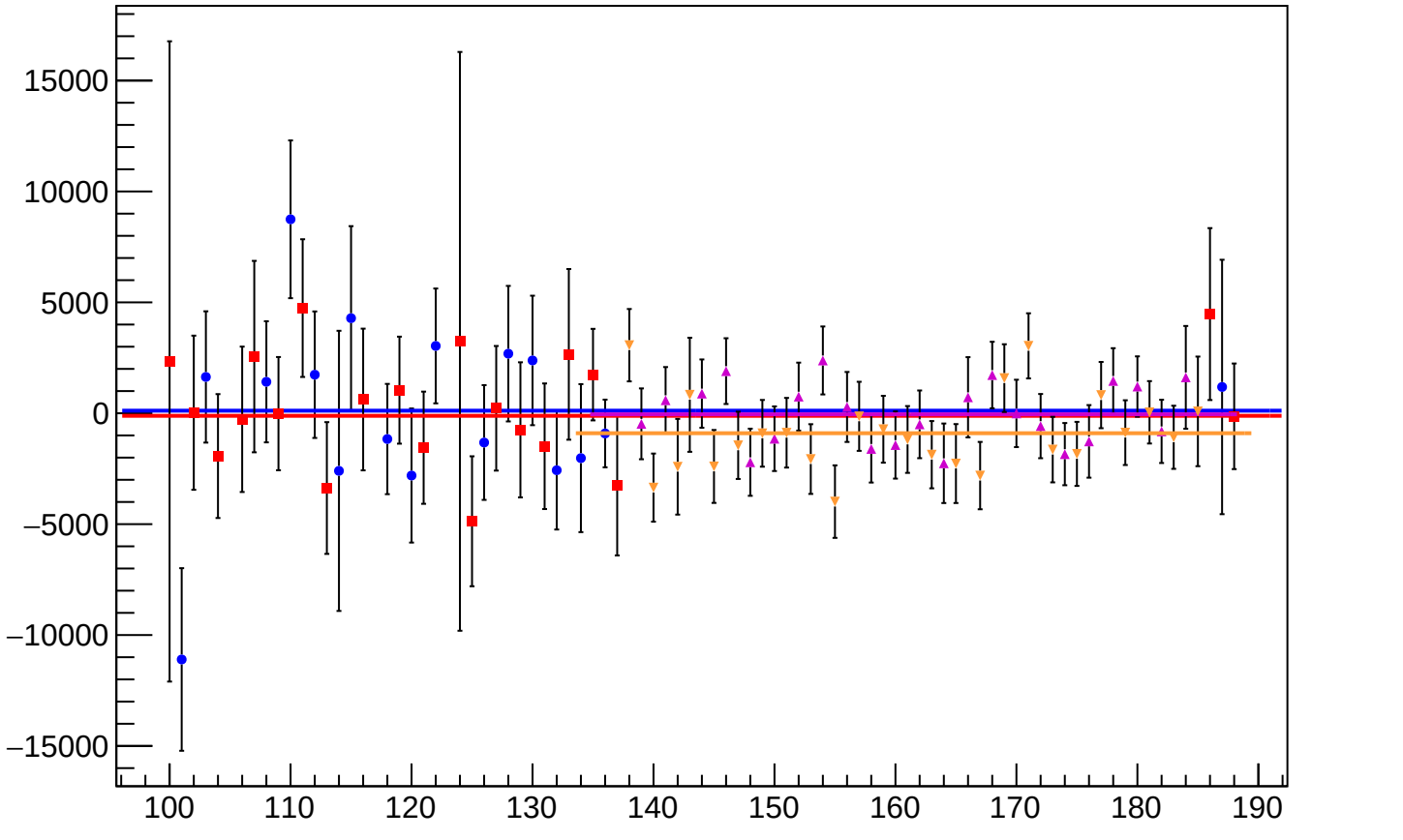
Right Out: 1207.587+/-0.306 χ^2/NDF: 1926671.4/20

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 659.650+/-0.095 χ^2/NDF: 5380577.6/41

All: 665.658+/-0.068 χ^2/NDF: 11226145.0/85

- sign 671.855+/-0.097 χ^2/NDF: 5837489.2/43



Right In: 116.327+/-693.850 χ^2/NDF: 21.3/16

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -115.197+/-661.481 χ^2/NDF: 11.8/20

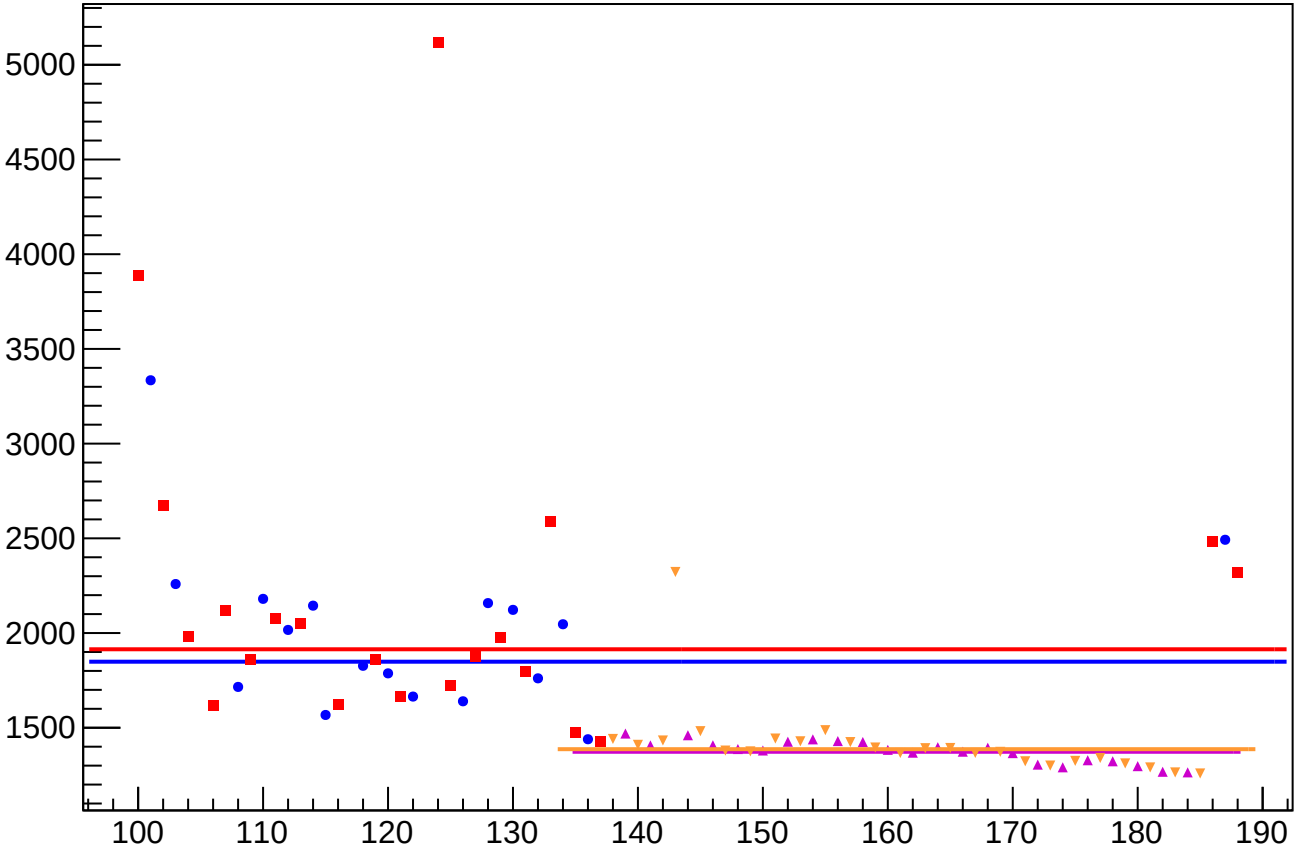
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -724.912+/-287.918 χ^2/NDF: 52.9/41

All: -393.876+/-203.879 χ^2/NDF: 85.2/85

- sign -60.947+/-288.740 χ^2/NDF: 29.7/43

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1848.673+/-0.491 χ^2/NDF: 582291.5/16

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

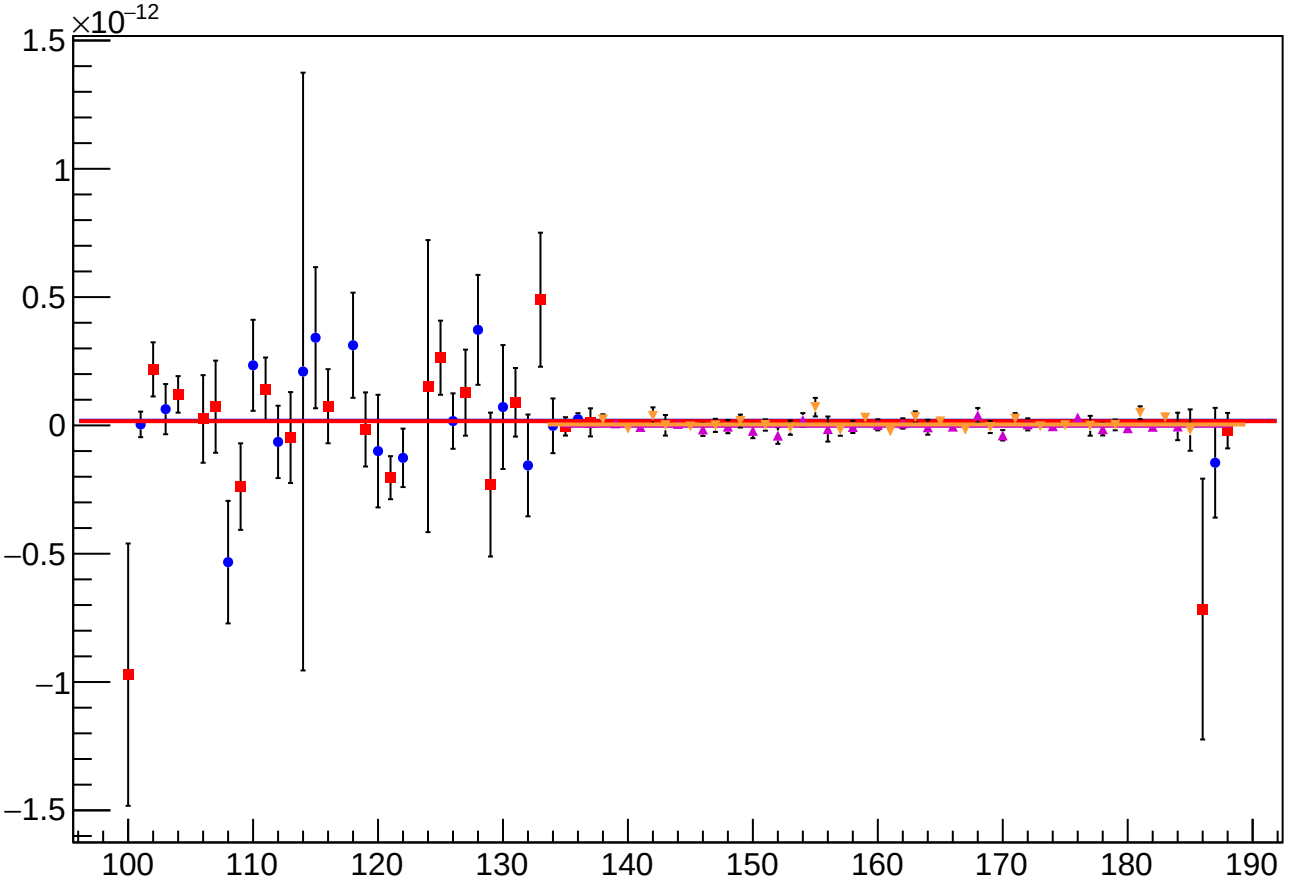
Right Out: 1914.283+/-0.468 χ^2/NDF: 634746.0/20

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1466.367+/-0.204 χ^2/NDF: 1655574.9/41

All: 1471.325+/-0.144 χ^2/NDF: 3439160.9/85

- sign 1476.312+/-0.204 χ^2/NDF: 1782396.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

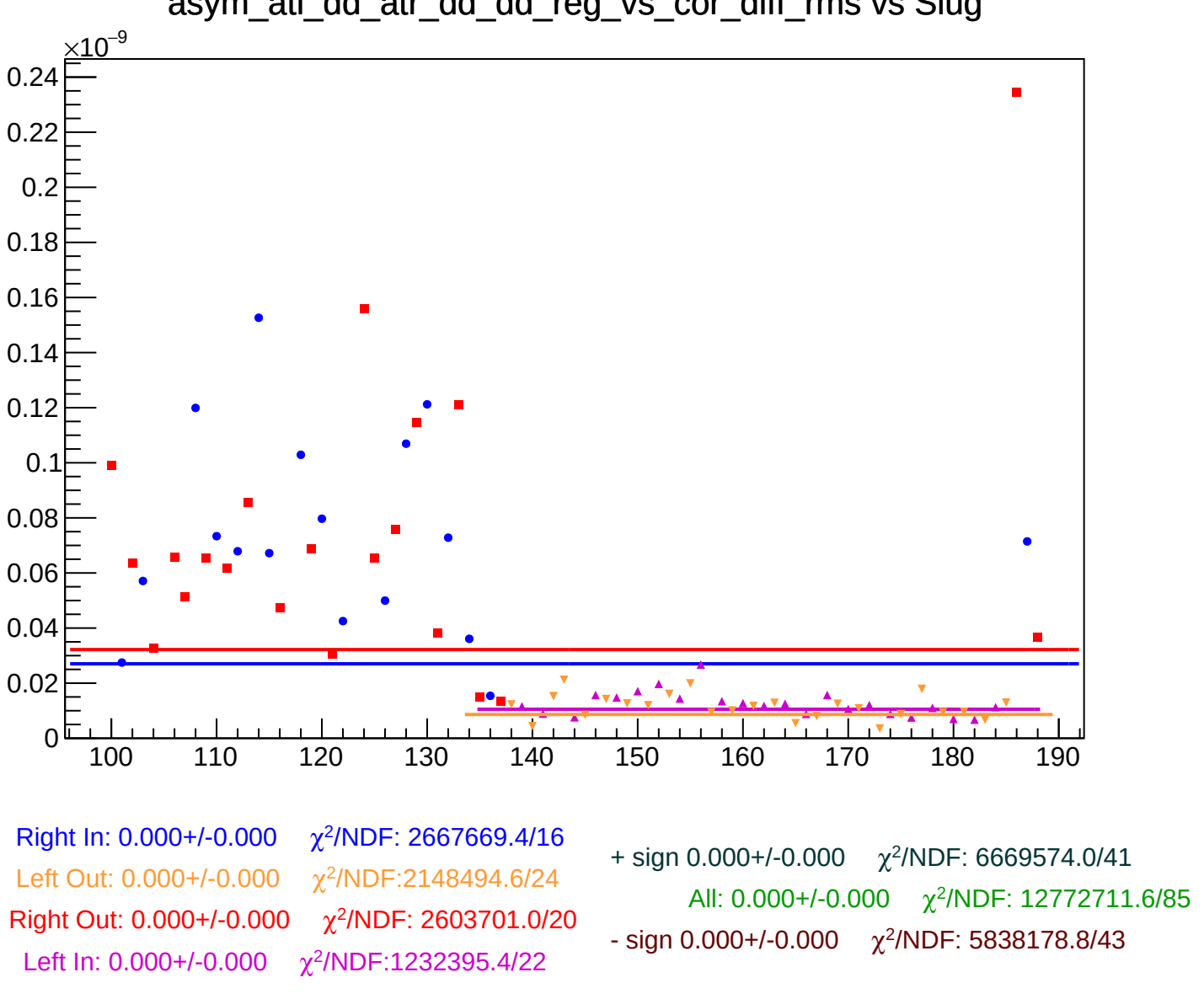
Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/20

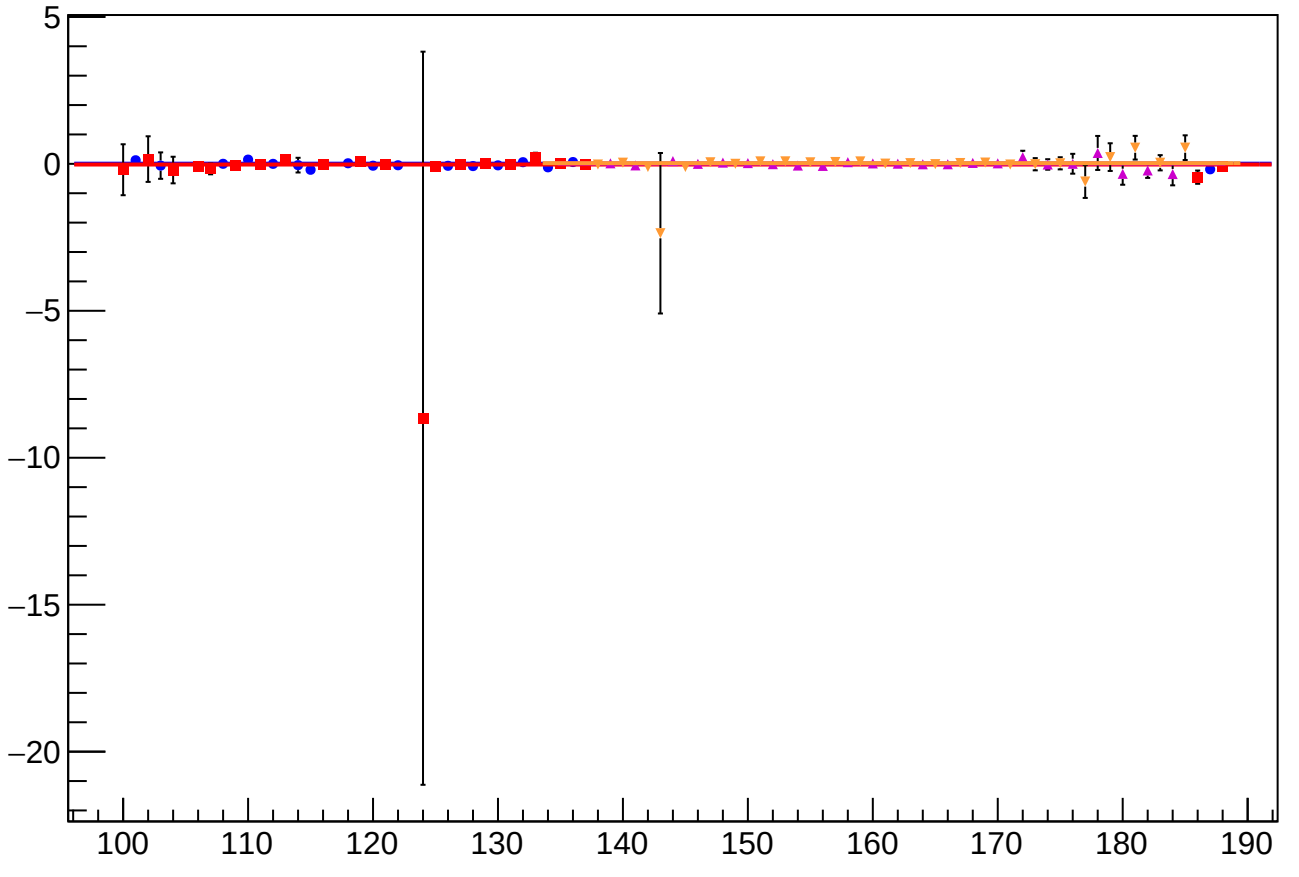
Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/41

All: 0.000+/-0.000 χ^2/NDF: 88.0/85

- sign -0.000+/-0.000 χ^2/NDF: 44.8/43


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2667669.4/16
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 2603701.0/20
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
+ sign 0.000+/-0.000 χ²/NDF: 6669574.0/41
All: 0.000+/-0.000 χ²/NDF: 12772711.6/85
- sign 0.000+/-0.000 χ²/NDF: 5838178.8/43



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

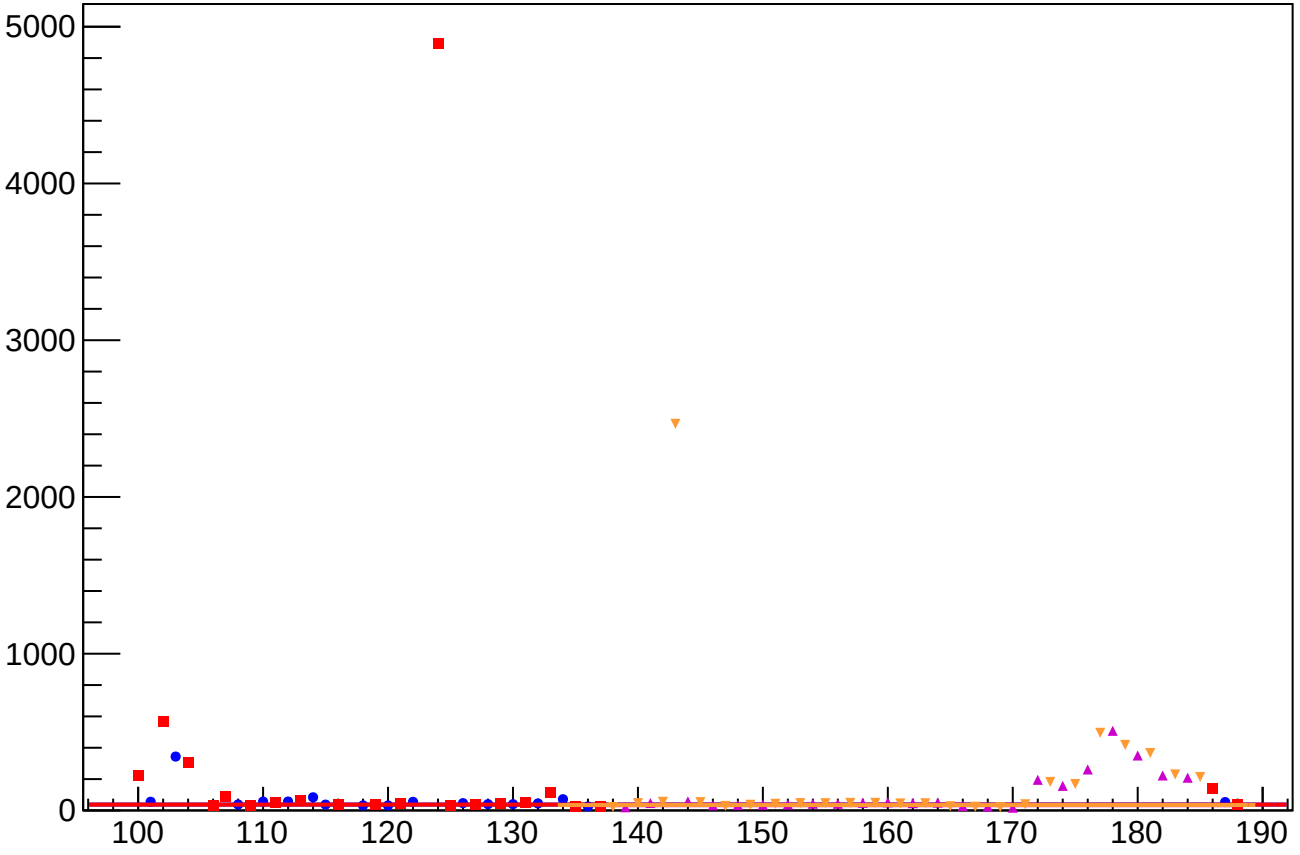
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.009+/-0.006 χ^2/NDF: 84.0/85

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

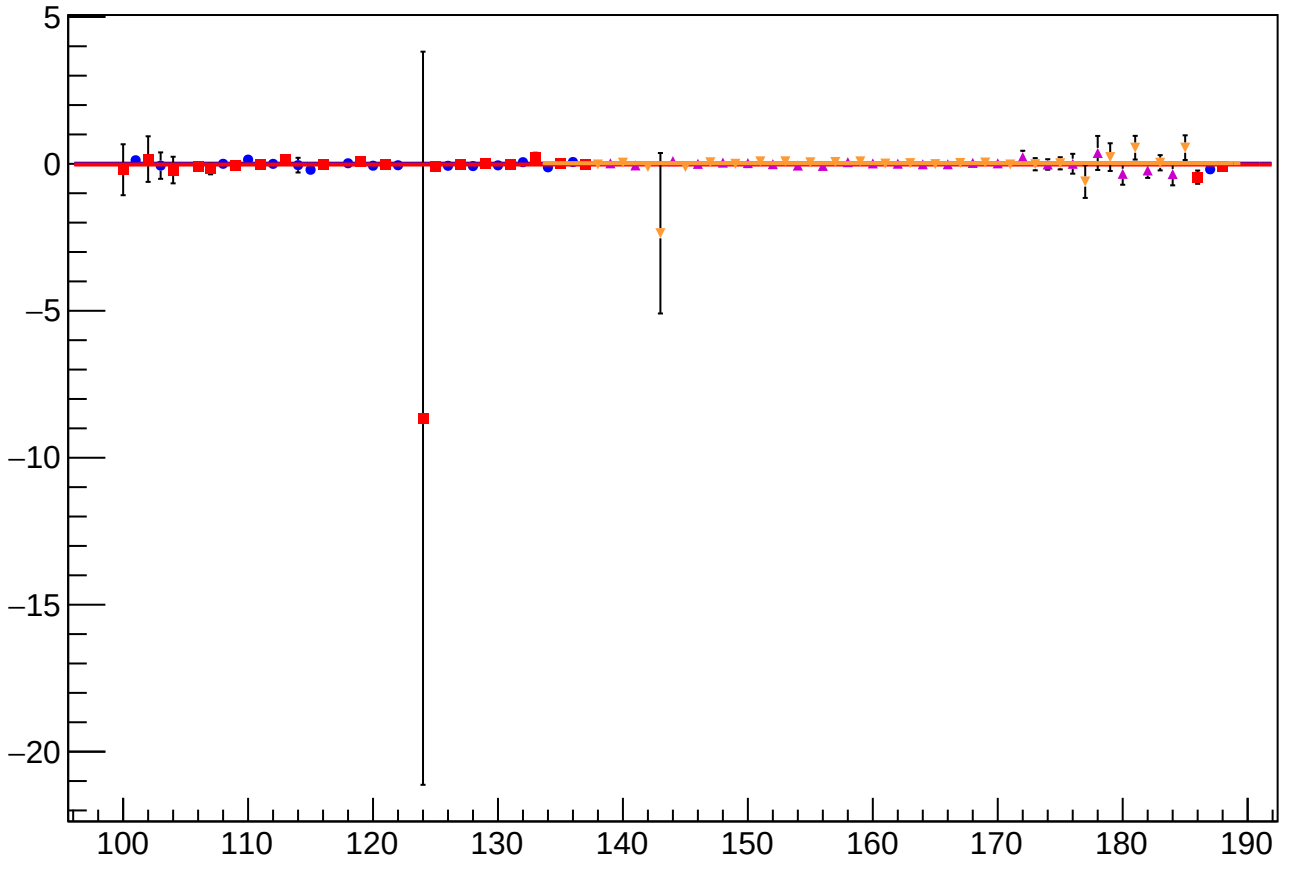
Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.531+/-0.006 χ^2/NDF: 13471288.9/41

All: 35.078+/-0.004 χ^2/NDF: 27259609.7/85

\- sign 34.653+/-0.006 χ^2/NDF: 13777574.2/43



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

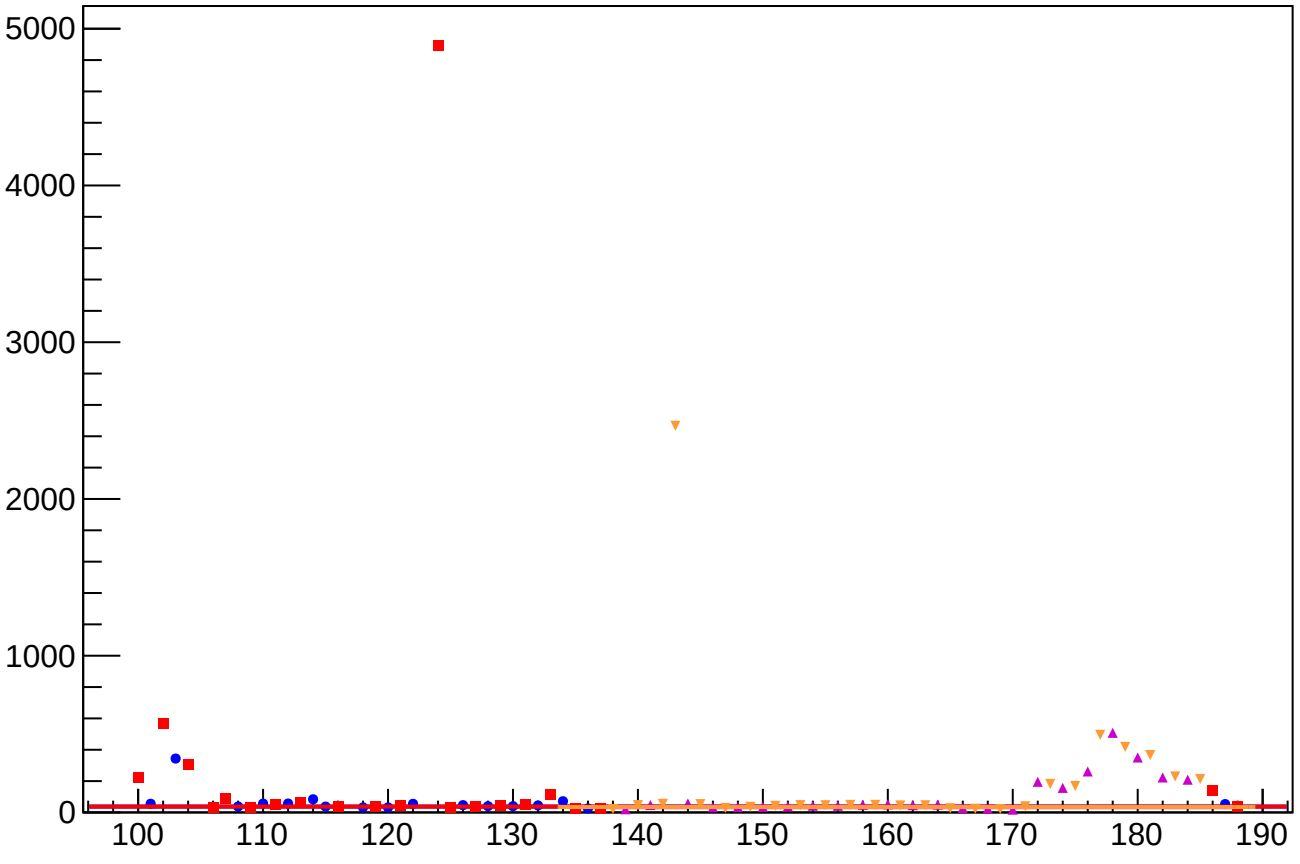
Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.009+/-0.006 χ^2/NDF: 84.0/85

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

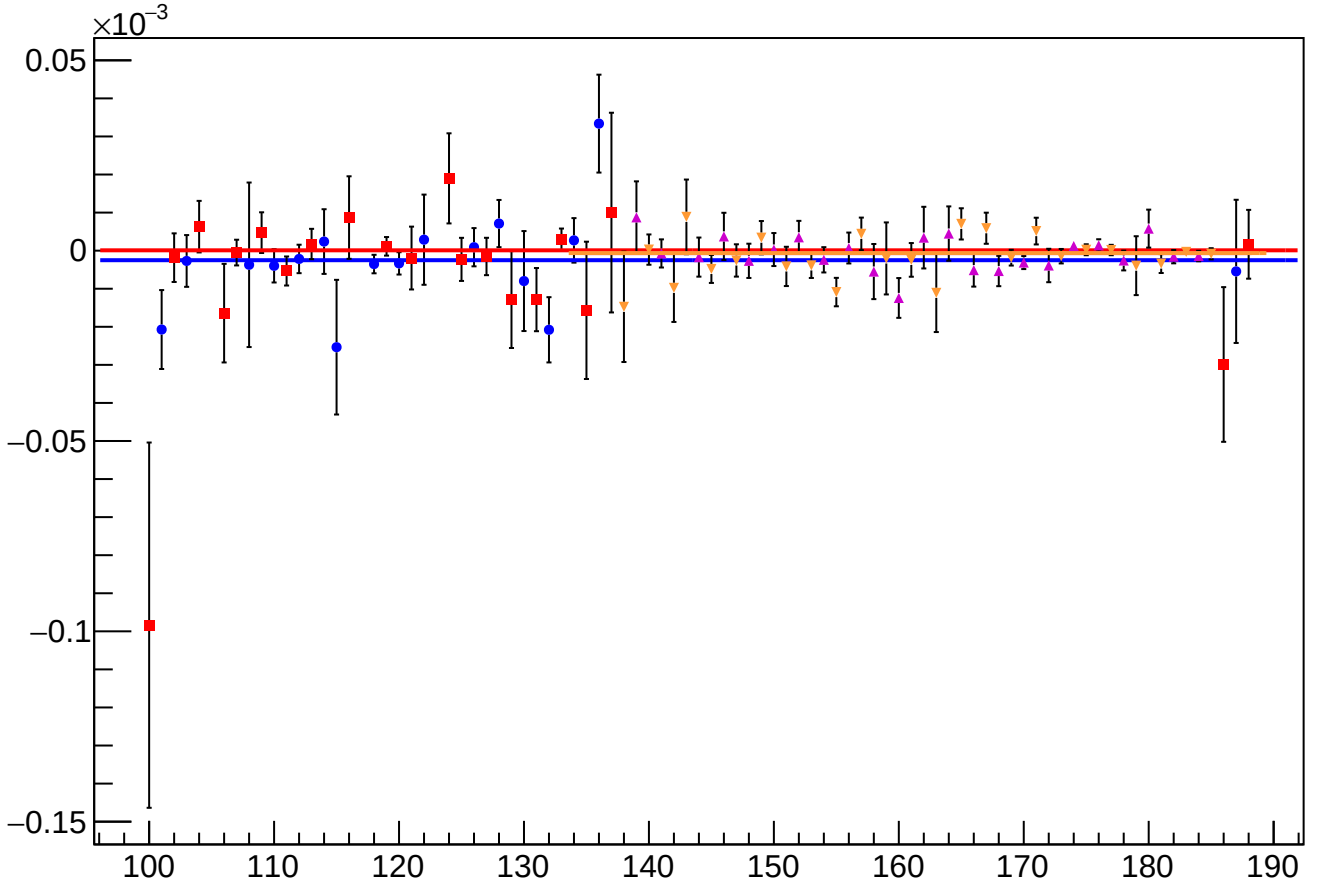
Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.531+/-0.006 χ^2/NDF: 13471288.9/41

All: 35.078+/-0.004 χ^2/NDF: 27259609.7/85

\- sign 34.653+/-0.006 χ^2/NDF: 13777574.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

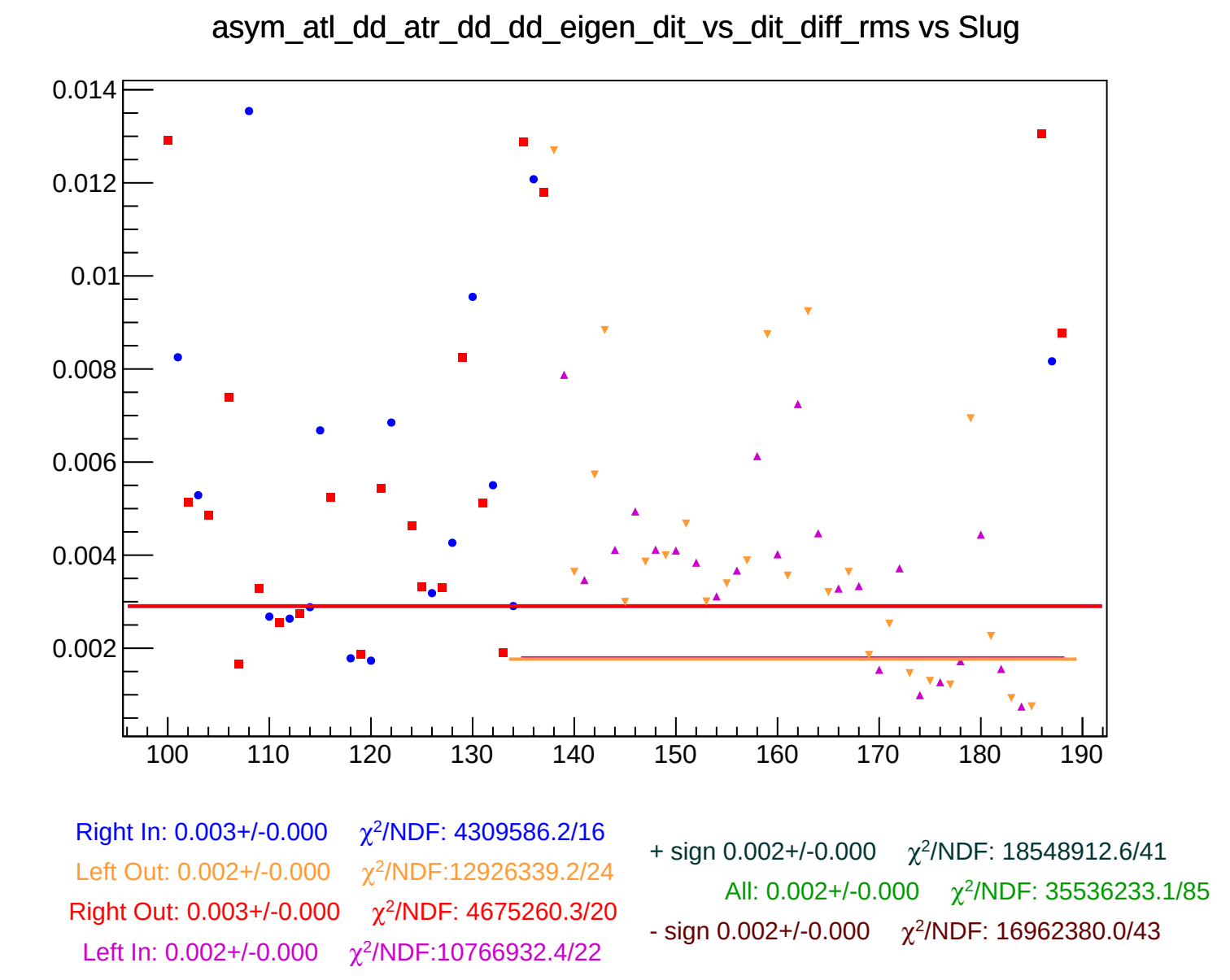
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/20

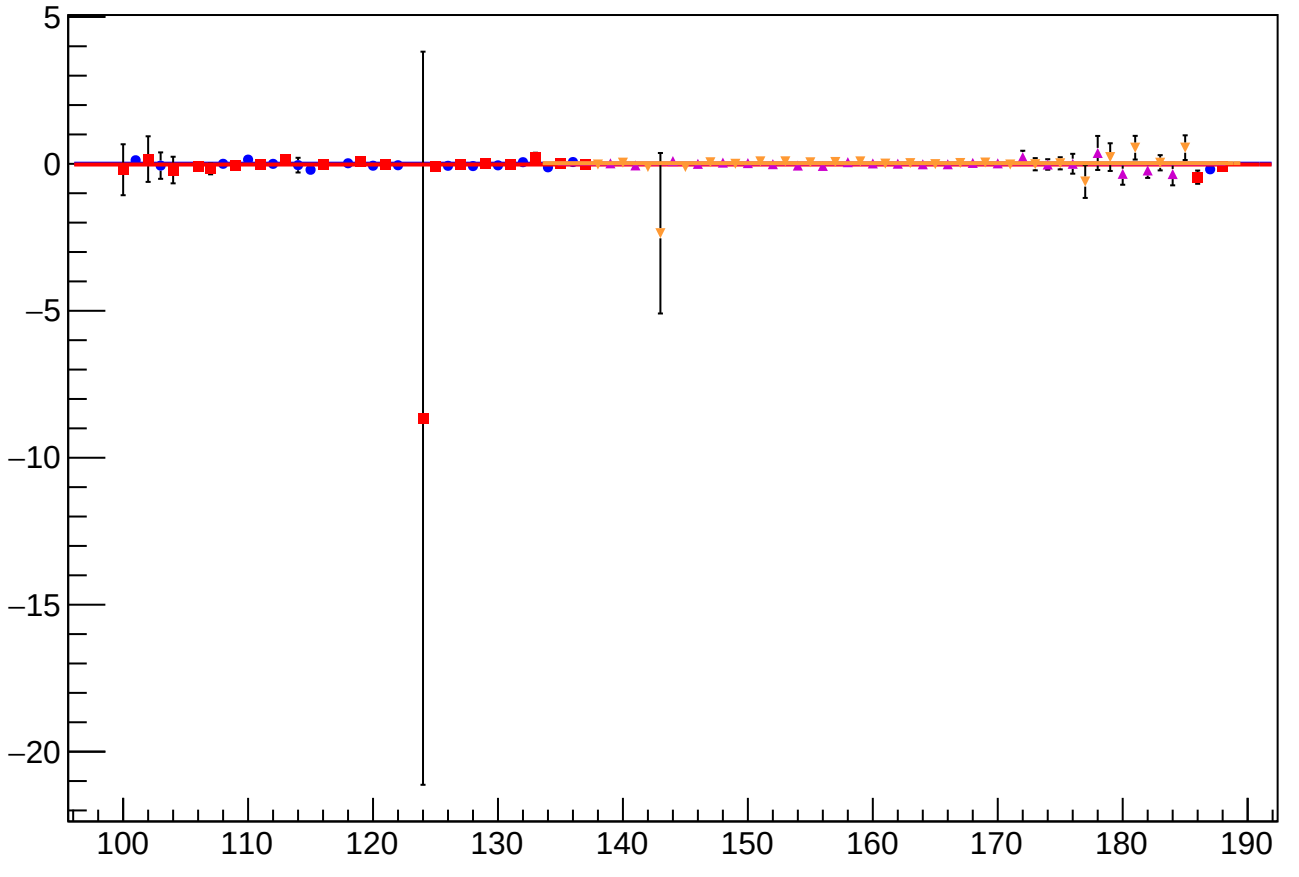
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.1/41

All: -0.000+/-0.000 χ^2/NDF: 95.7/85

- sign -0.000+/-0.000 χ^2/NDF: 43.3/43


asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.003+/-0.000 χ²/NDF: 4309586.2/16
Left Out: 0.002+/-0.000 χ²/NDF:12926339.2/24
Right Out: 0.003+/-0.000 χ²/NDF: 4675260.3/20
Left In: 0.002+/-0.000 χ²/NDF:10766932.4/22
+ sign 0.002+/-0.000 χ²/NDF: 18548912.6/41
All: 0.002+/-0.000 χ²/NDF: 35536233.1/85
- sign 0.002+/-0.000 χ²/NDF: 16962380.0/43



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

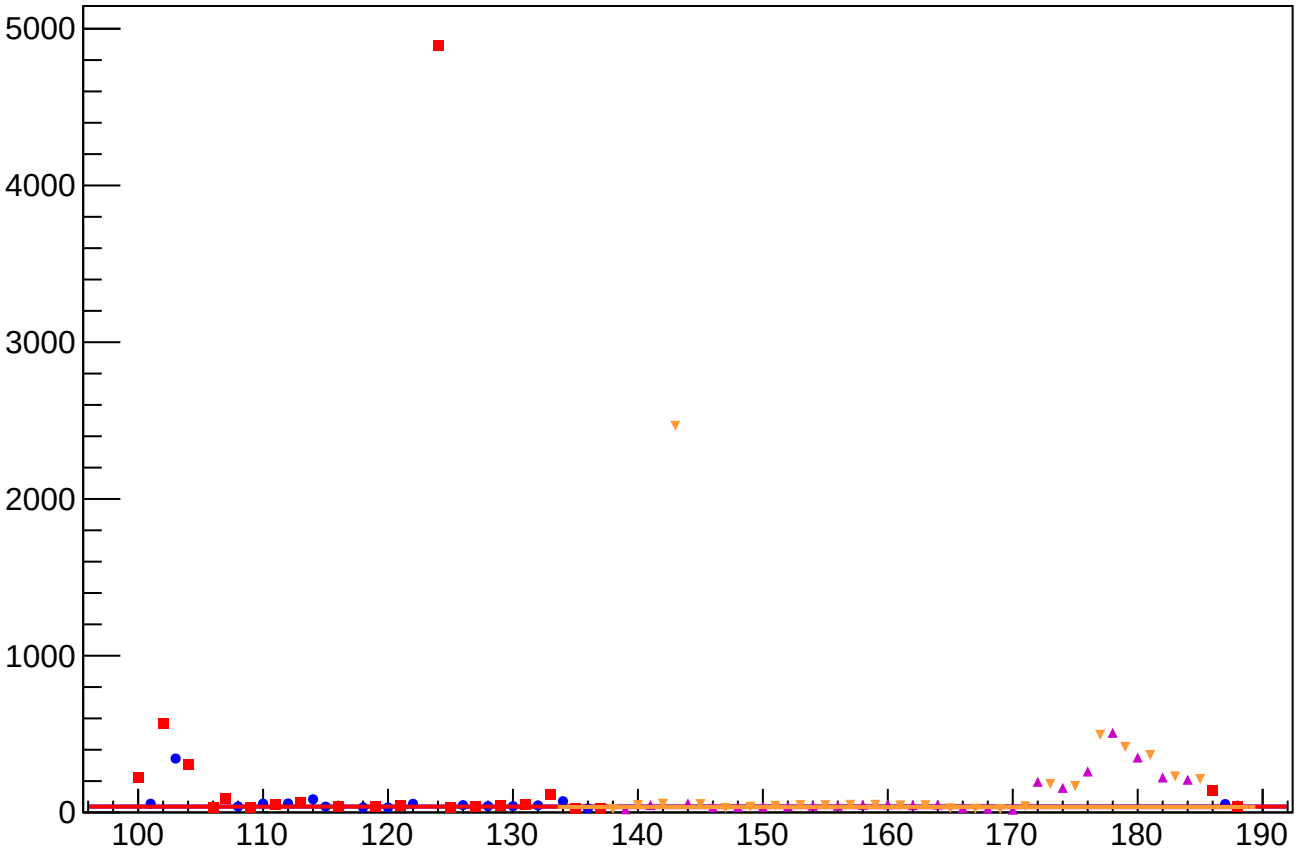
Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.009+/-0.006 χ^2/NDF: 84.0/85

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

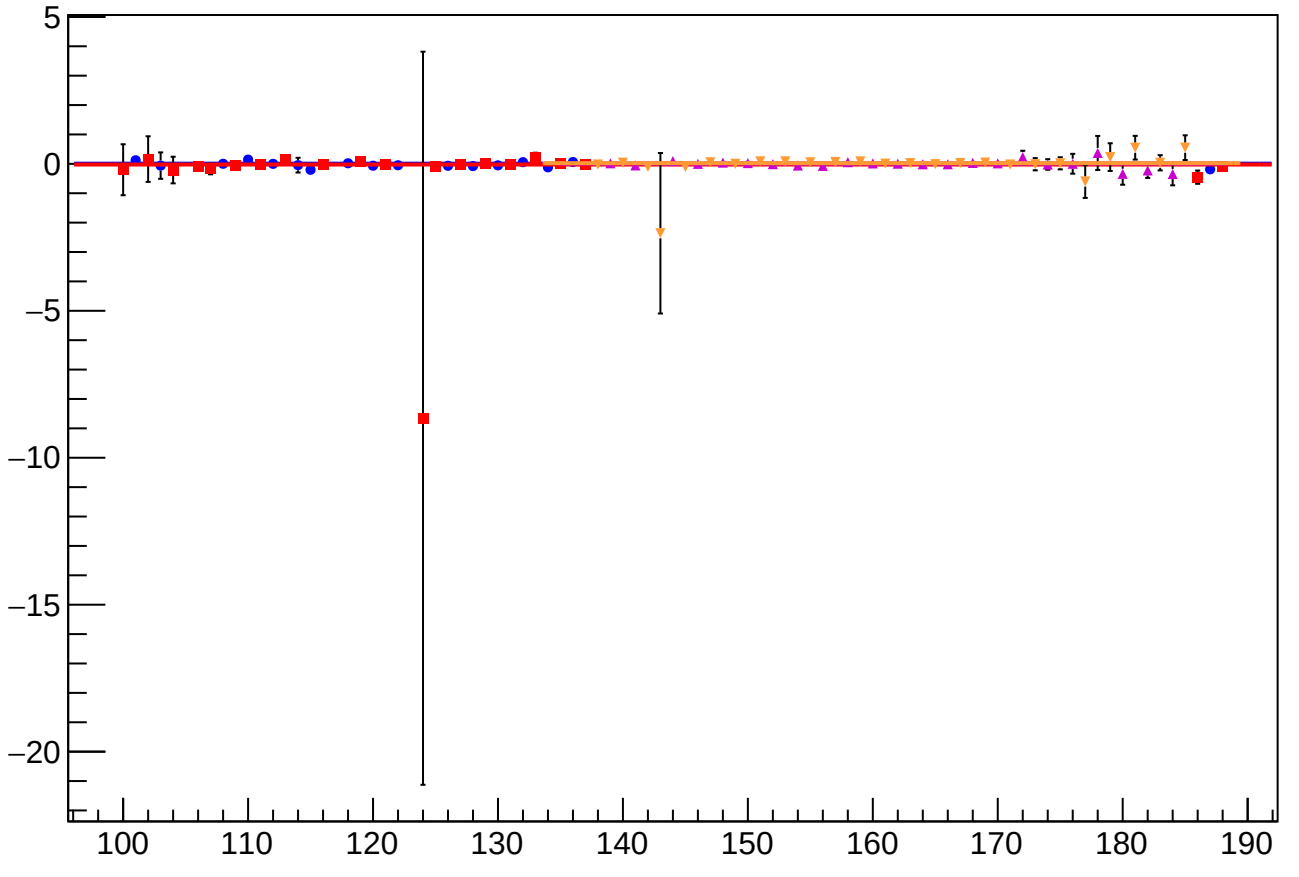
Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.530+/-0.006 χ^2/NDF: 13471403.5/41

All: 35.079+/-0.004 χ^2/NDF: 27258060.9/85

\- sign 34.655+/-0.006 χ^2/NDF: 13775978.0/43



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

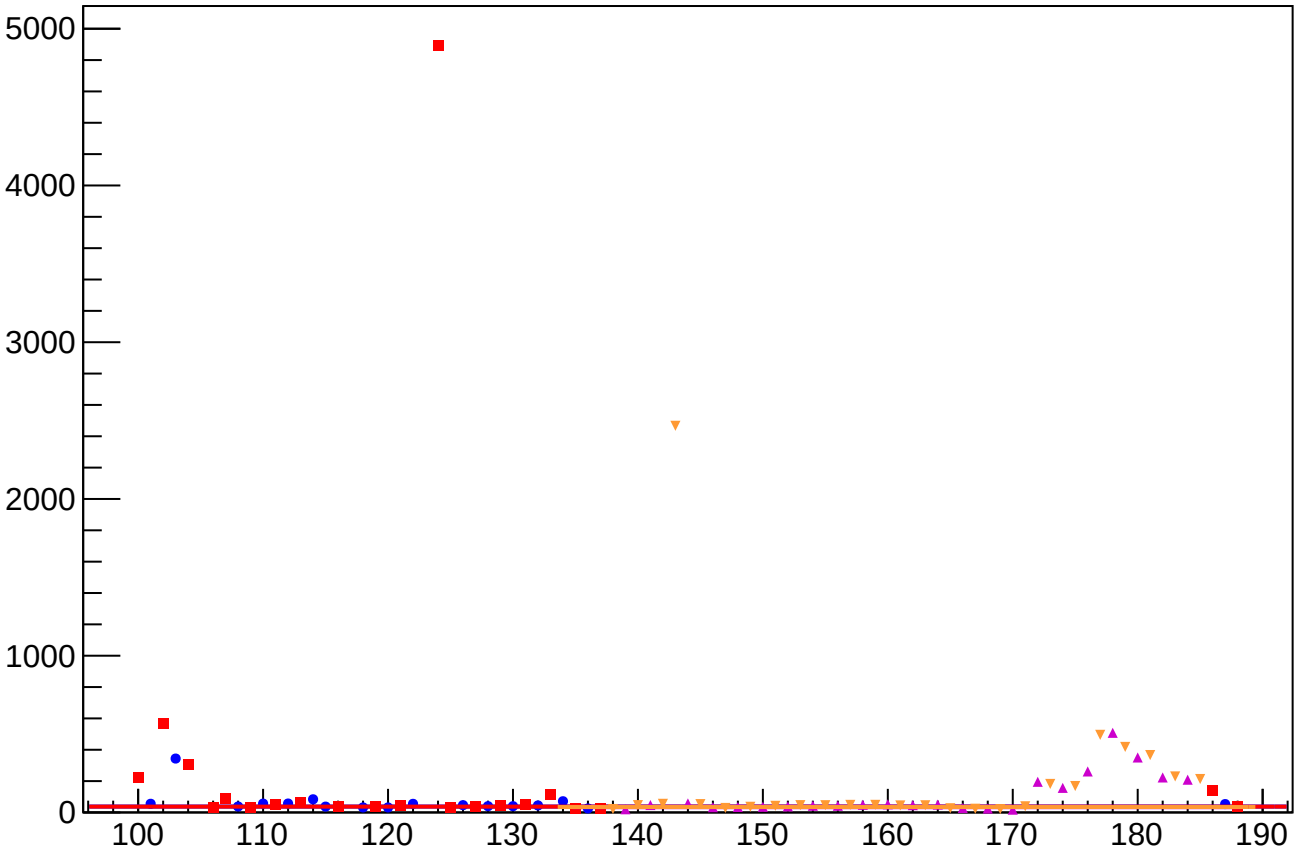
Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.009+/-0.006 χ^2/NDF: 84.0/85

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

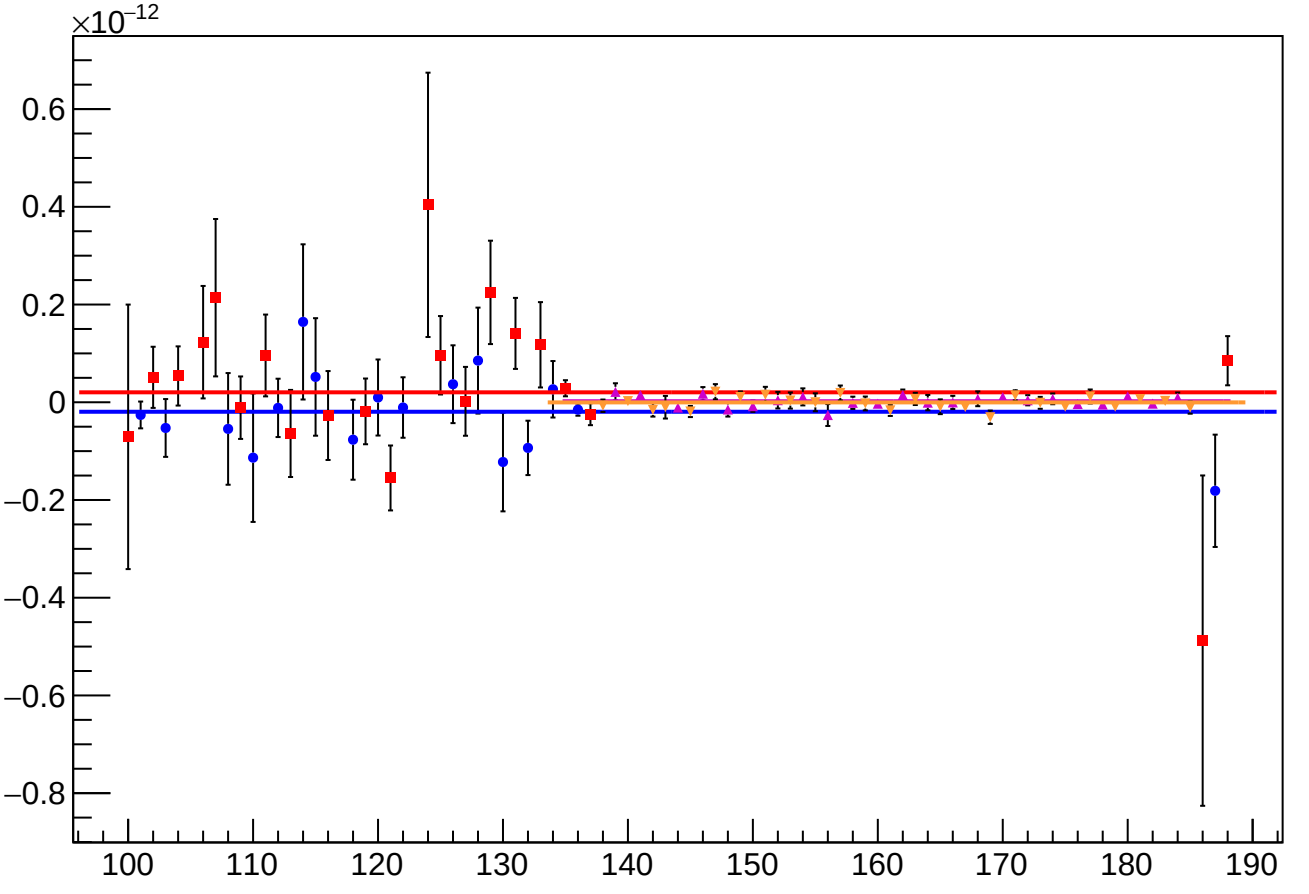
Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.530+/-0.006 χ^2/NDF: 13471403.5/41

All: 35.079+/-0.004 χ^2/NDF: 27258060.9/85

\- sign 34.655+/-0.006 χ^2/NDF: 13775978.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 10.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

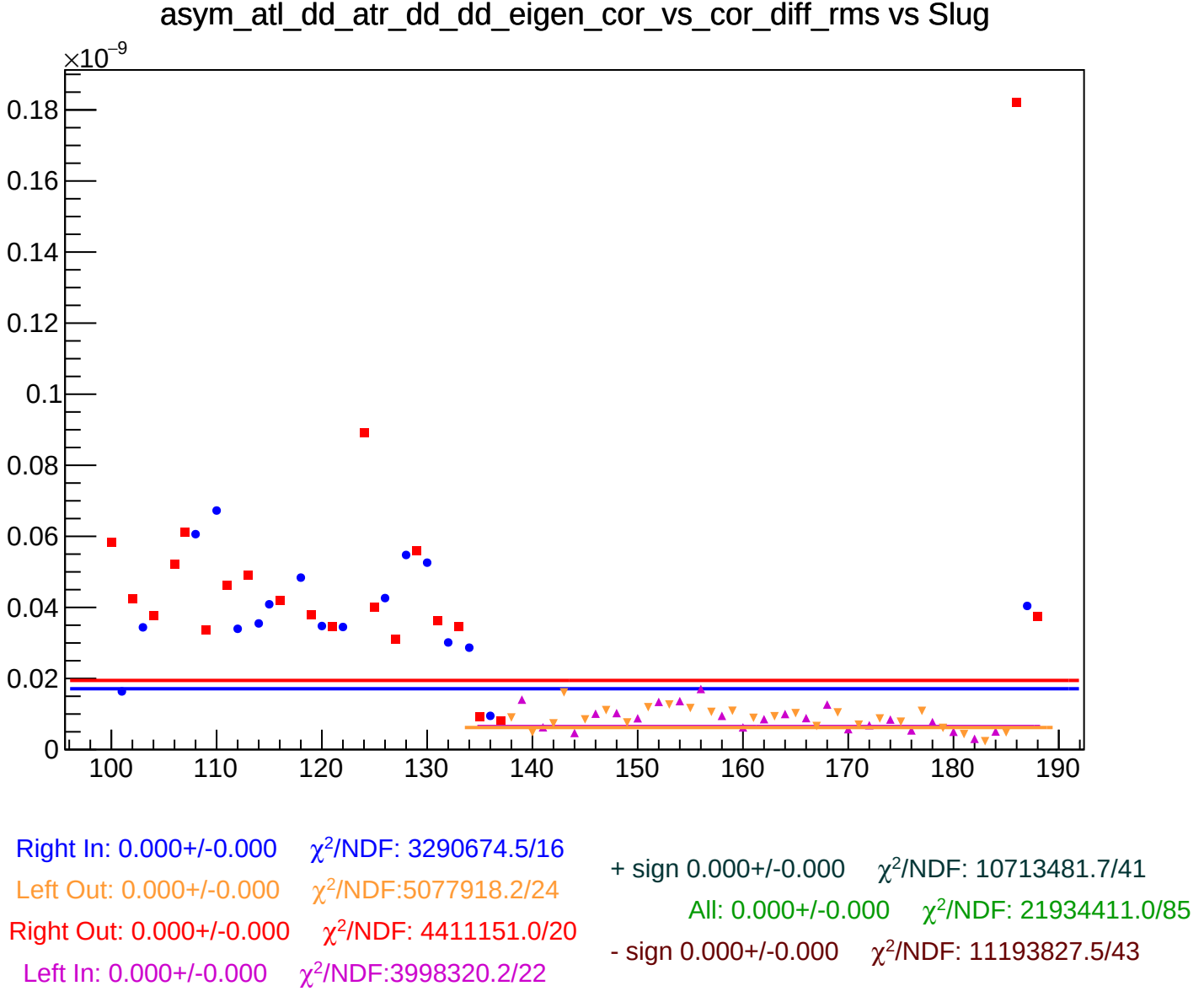
Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/20

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

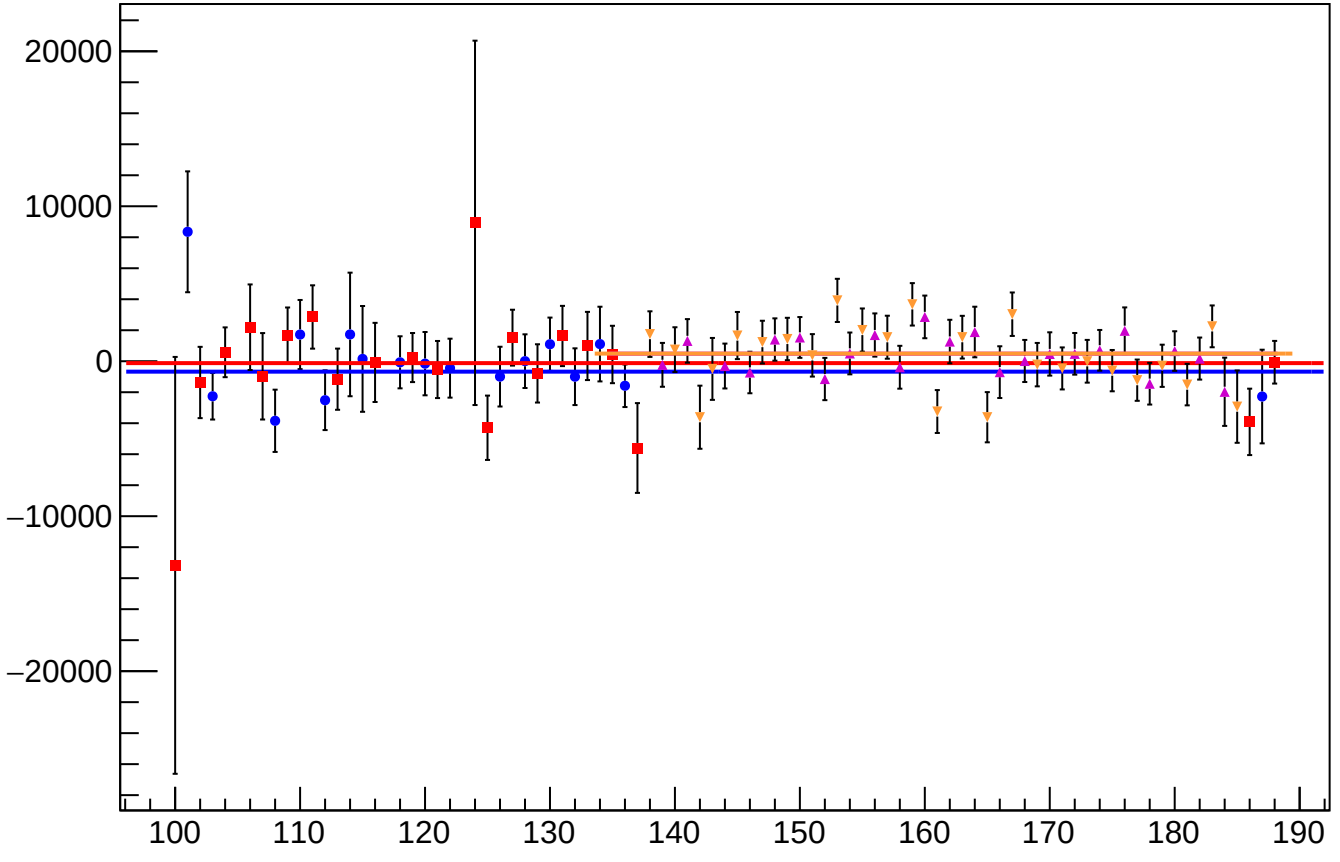
+ sign -0.000+/-0.000 χ^2/NDF: 40.0/41

All: 0.000+/-0.000 χ^2/NDF: 95.7/85

- sign 0.000+/-0.000 χ^2/NDF: 54.0/43


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3290674.5/16
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 4411151.0/20
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10713481.7/41
All: 0.000+/-0.000 χ²/NDF: 21934411.0/85
- sign 0.000+/-0.000 χ²/NDF: 11193827.5/43

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -673.024+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -121.728+/-449.522 χ^2/NDF: 19.2/20

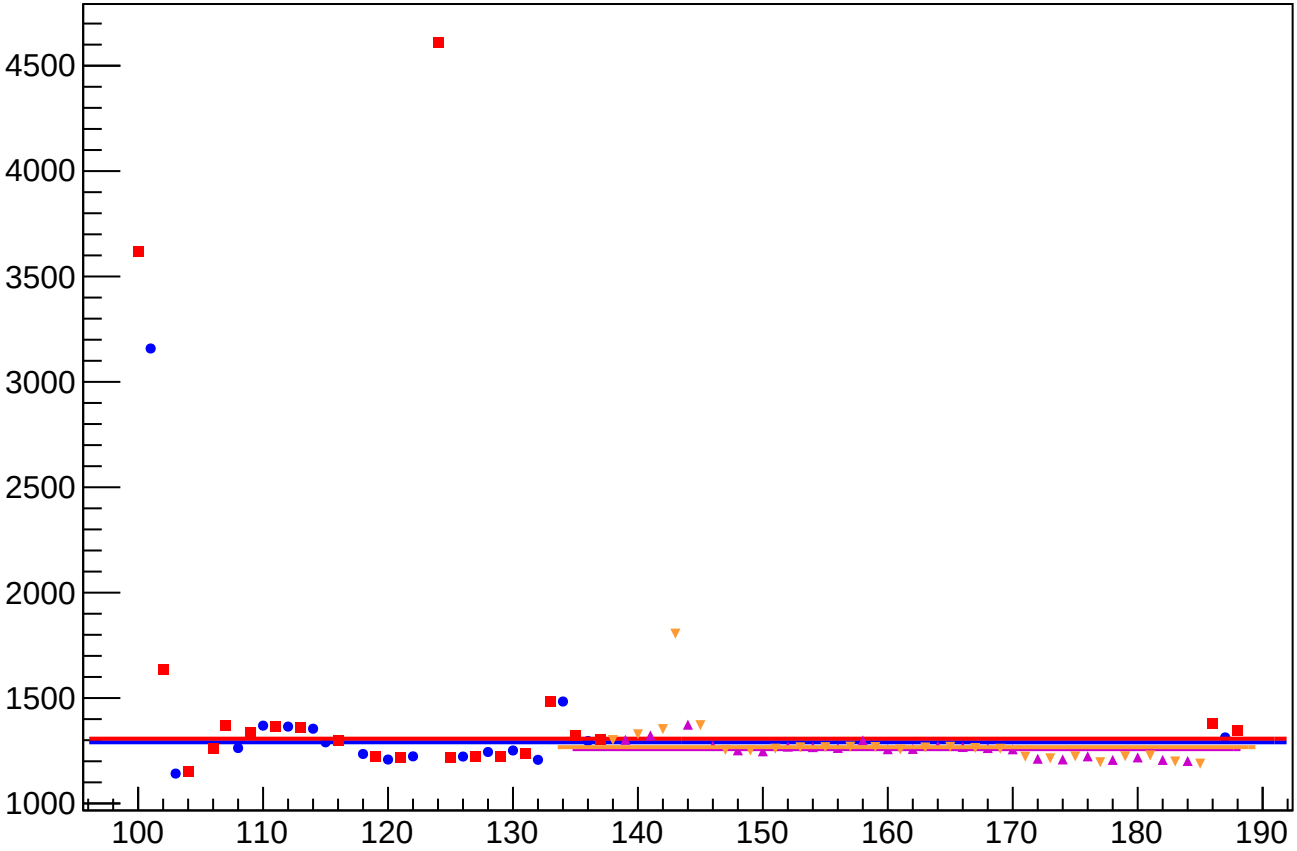
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 185.134+/-247.596 χ^2/NDF: 65.4/41

All: 245.325+/-174.479 χ^2/NDF: 100.4/85

- sign 304.701+/-245.913 χ^2/NDF: 34.9/43

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514795.6/16

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

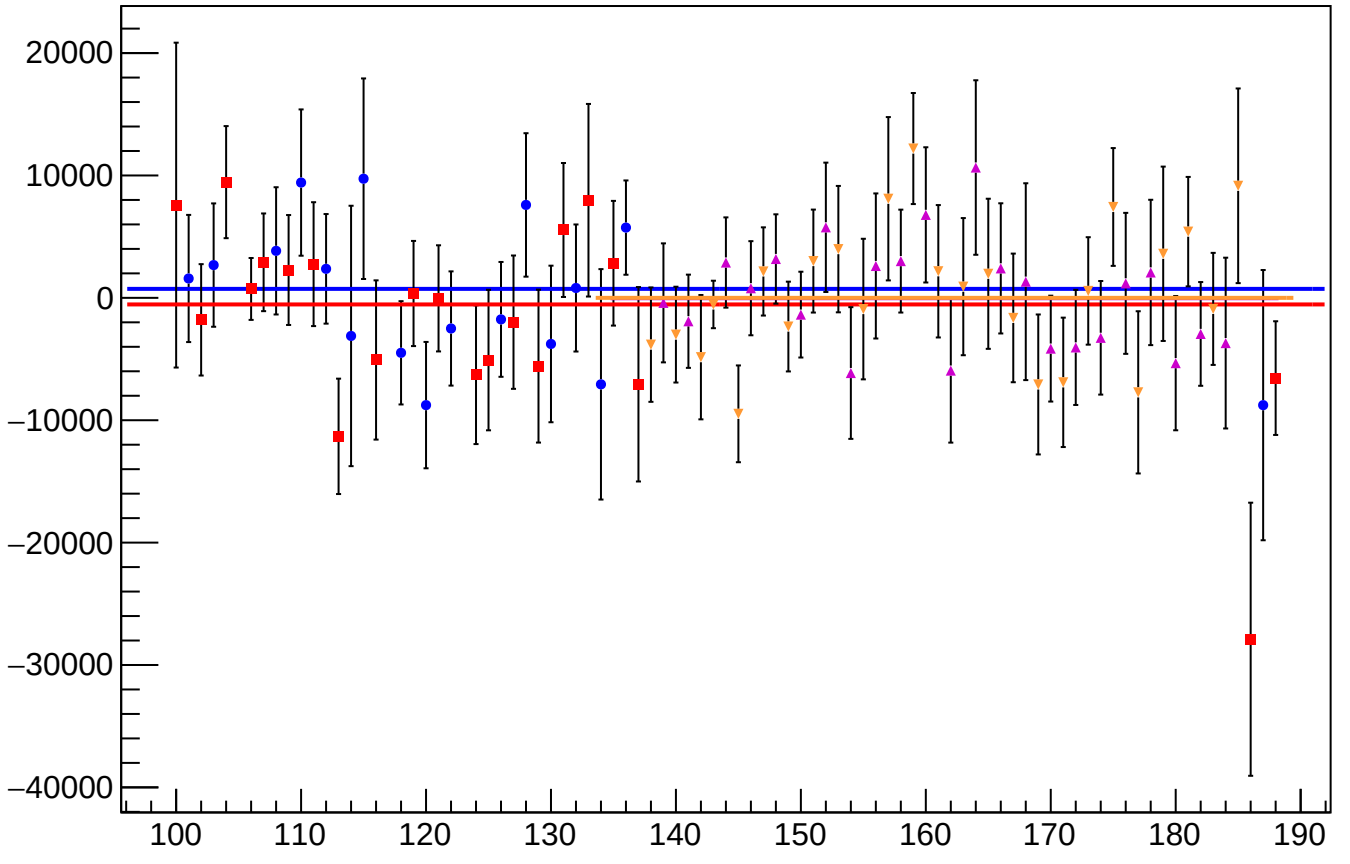
Right Out: 1307.259+/-0.317 χ^2/NDF: 323856.3/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705720.4/41

All: 1272.762+/-0.123 χ^2/NDF: 1083588.9/85

- sign 1272.474+/-0.174 χ^2/NDF: 377863.0/43



Right In: 733.408+/-1315.832 χ^2/NDF: 14.8/16

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: -538.329+/-1075.559 χ^2/NDF: 26.4/20

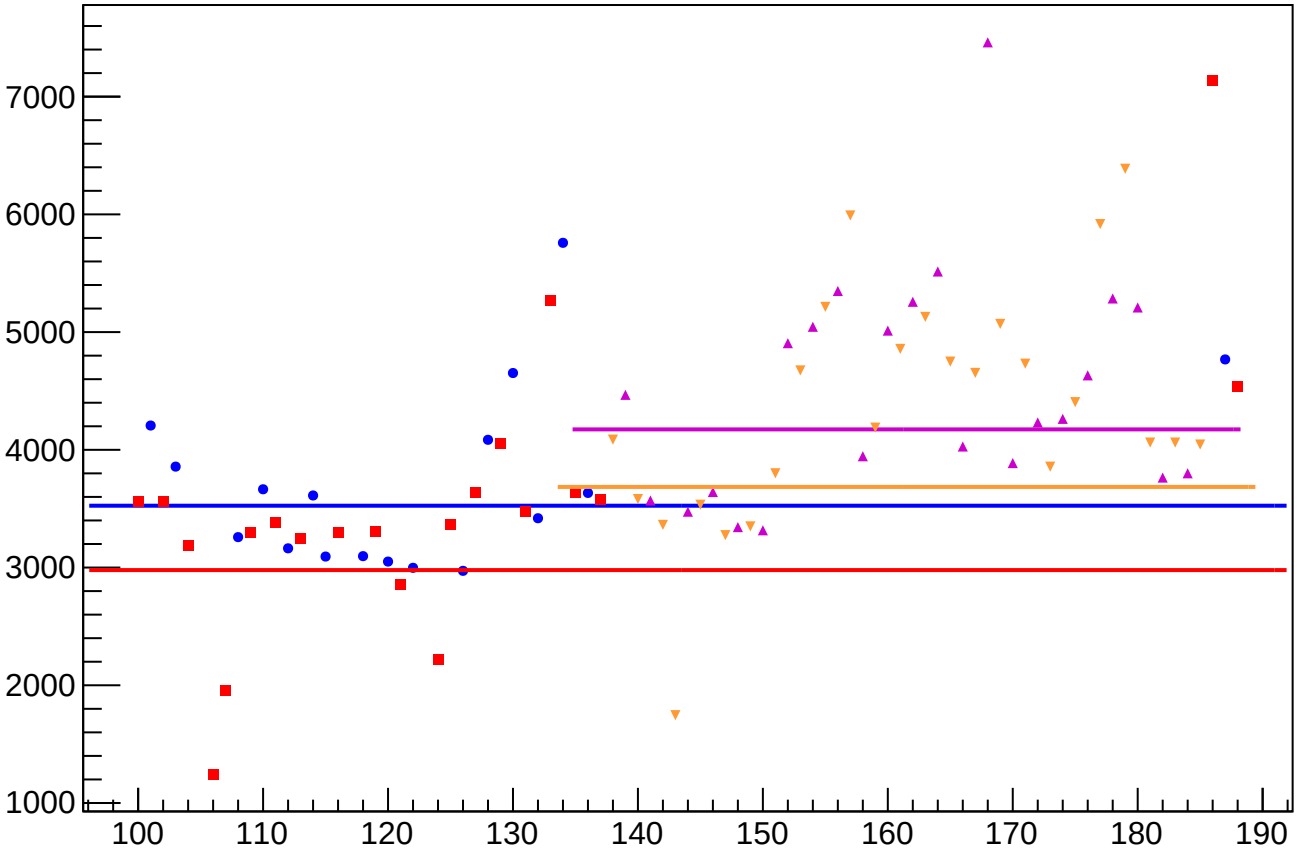
Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 228.545+/-735.204 χ^2/NDF: 44.0/41

All: -19.984+/-518.207 χ^2/NDF: 84.8/85

- sign -265.363+/-730.530 χ^2/NDF: 40.5/43

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug



Right In: 3525.301+/-0.930 χ^2/NDF: 379677.5/16

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2978.438+/-0.761 χ^2/NDF: 2031137.2/20

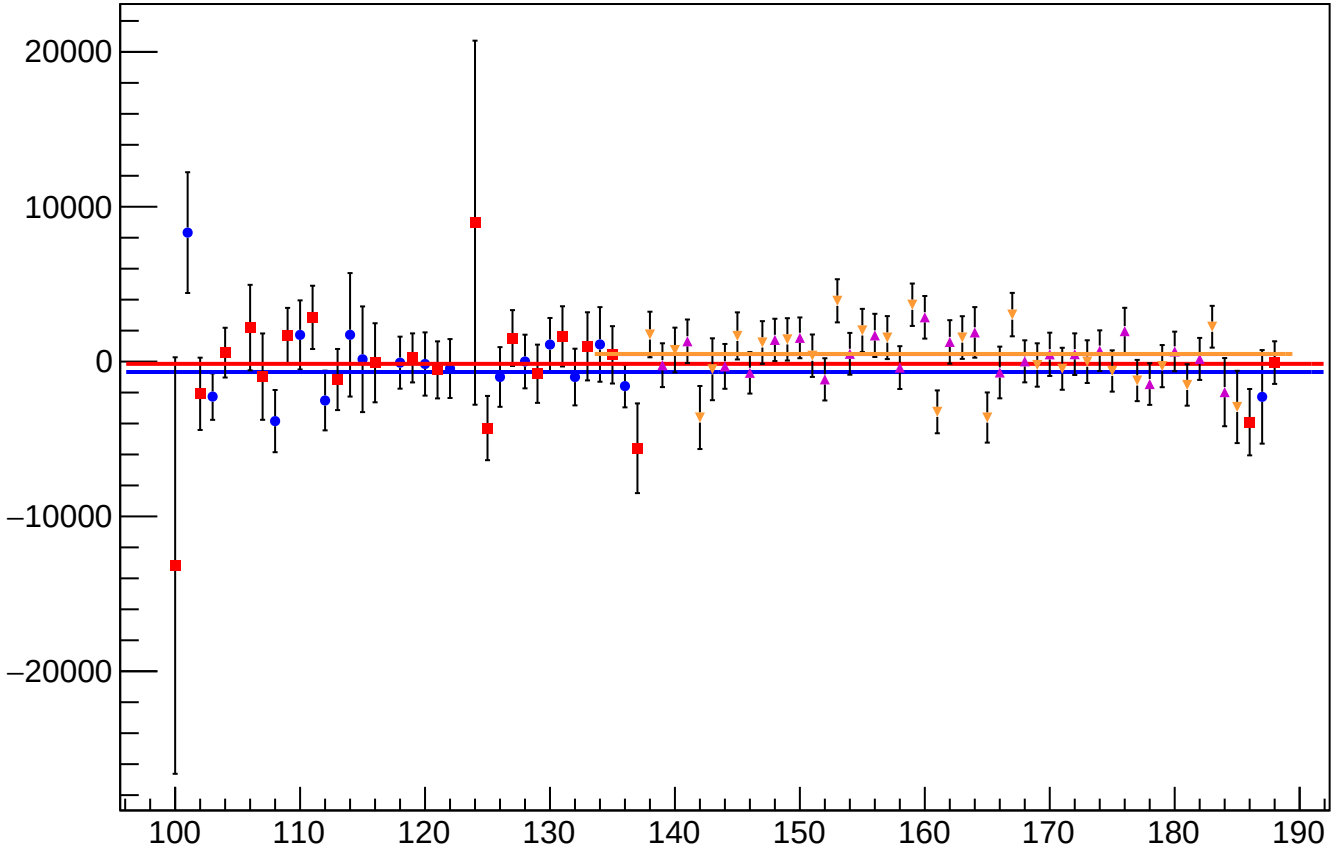
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3634.985+/-0.520 χ^2/NDF: 4093528.4/41

All: 3628.560+/-0.366 χ^2/NDF: 8730114.9/85

- sign 3622.217+/-0.517 χ^2/NDF: 4636283.0/43

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -146.579+/-449.775 χ^2/NDF: 19.6/20

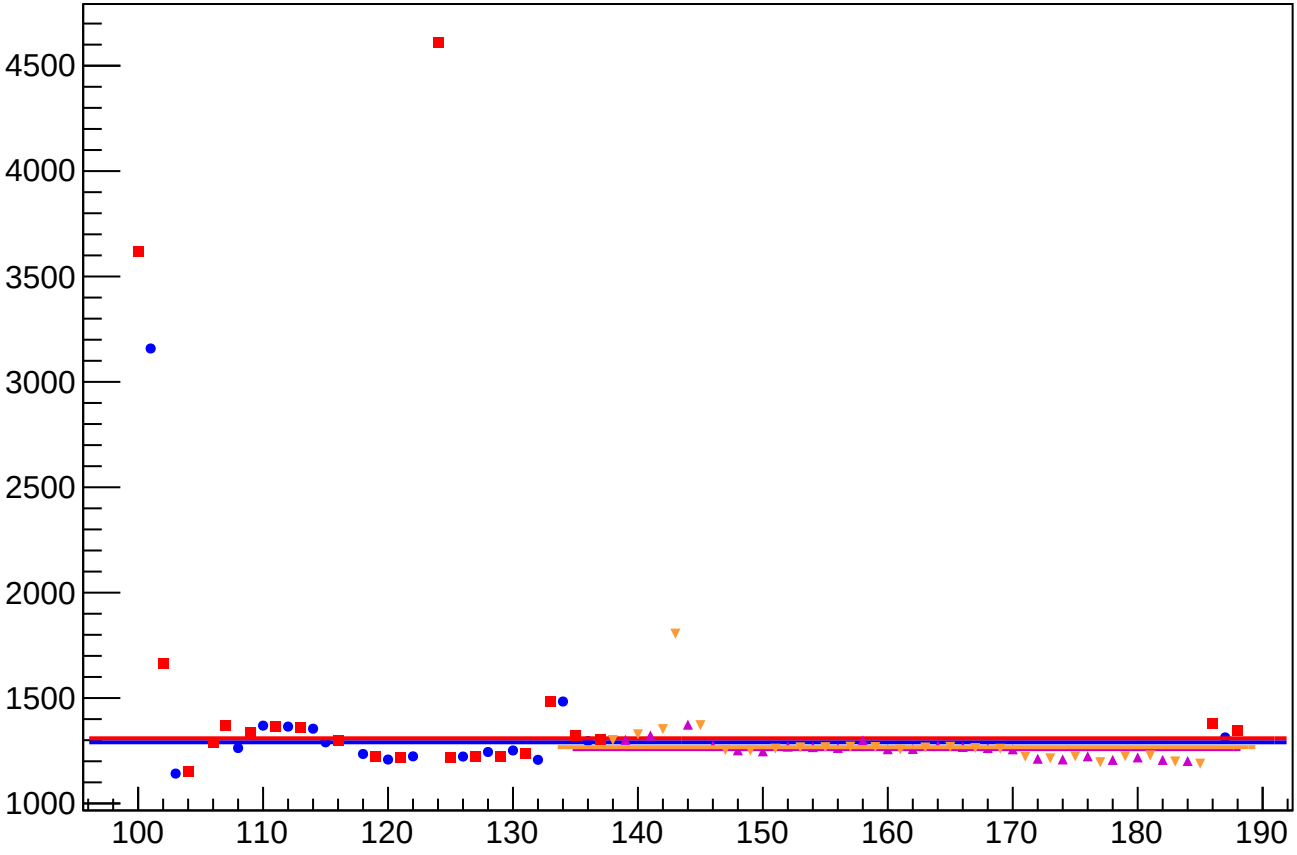
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 185.046+/-247.596 χ^2/NDF: 65.4/41

All: 241.568+/-174.493 χ^2/NDF: 100.8/85

- sign 297.343+/-245.954 χ^2/NDF: 35.4/43

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

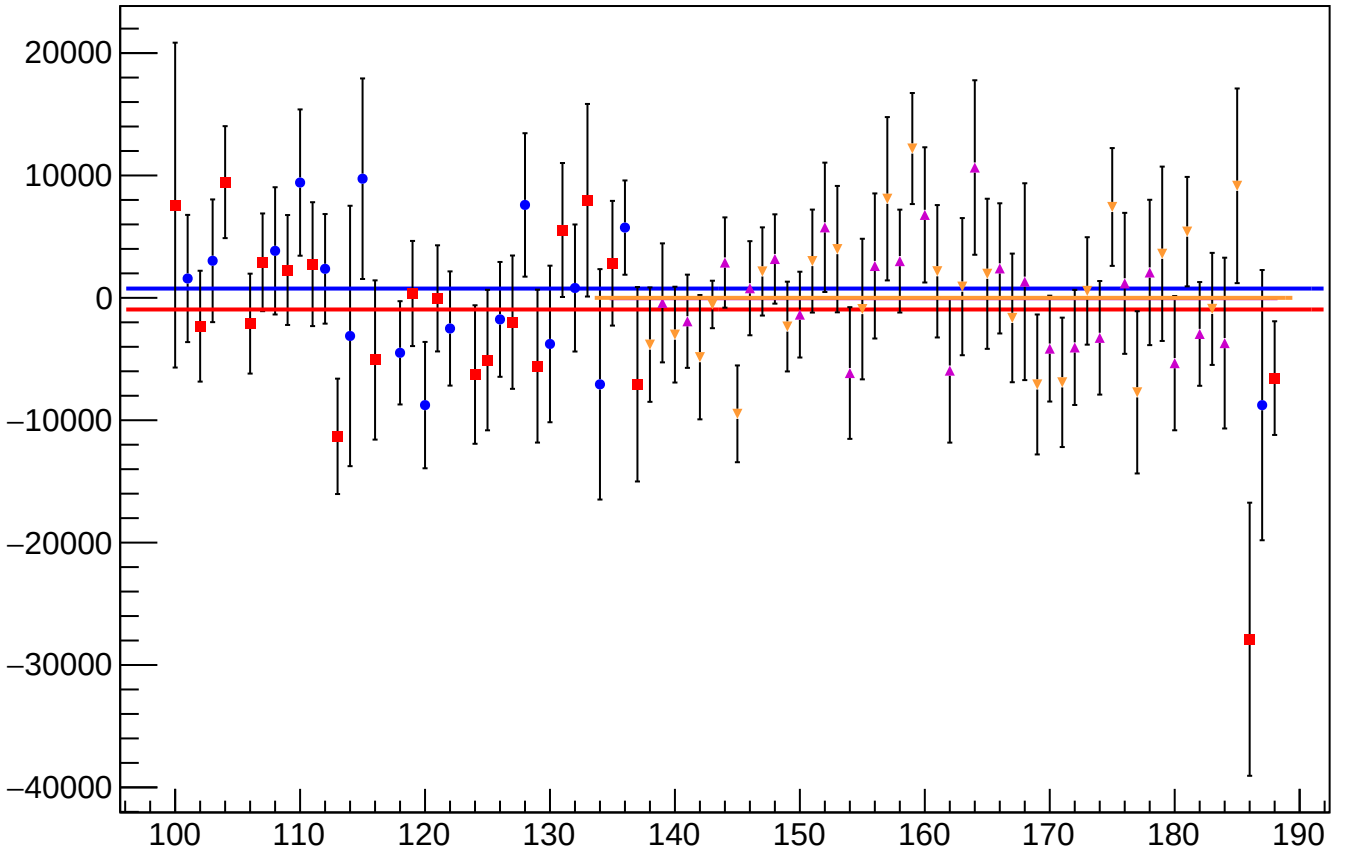
Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705721.8/41

All: 1273.012+/-0.123 χ^2/NDF: 1091022.6/85

- sign 1272.971+/-0.174 χ^2/NDF: 385300.7/43



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

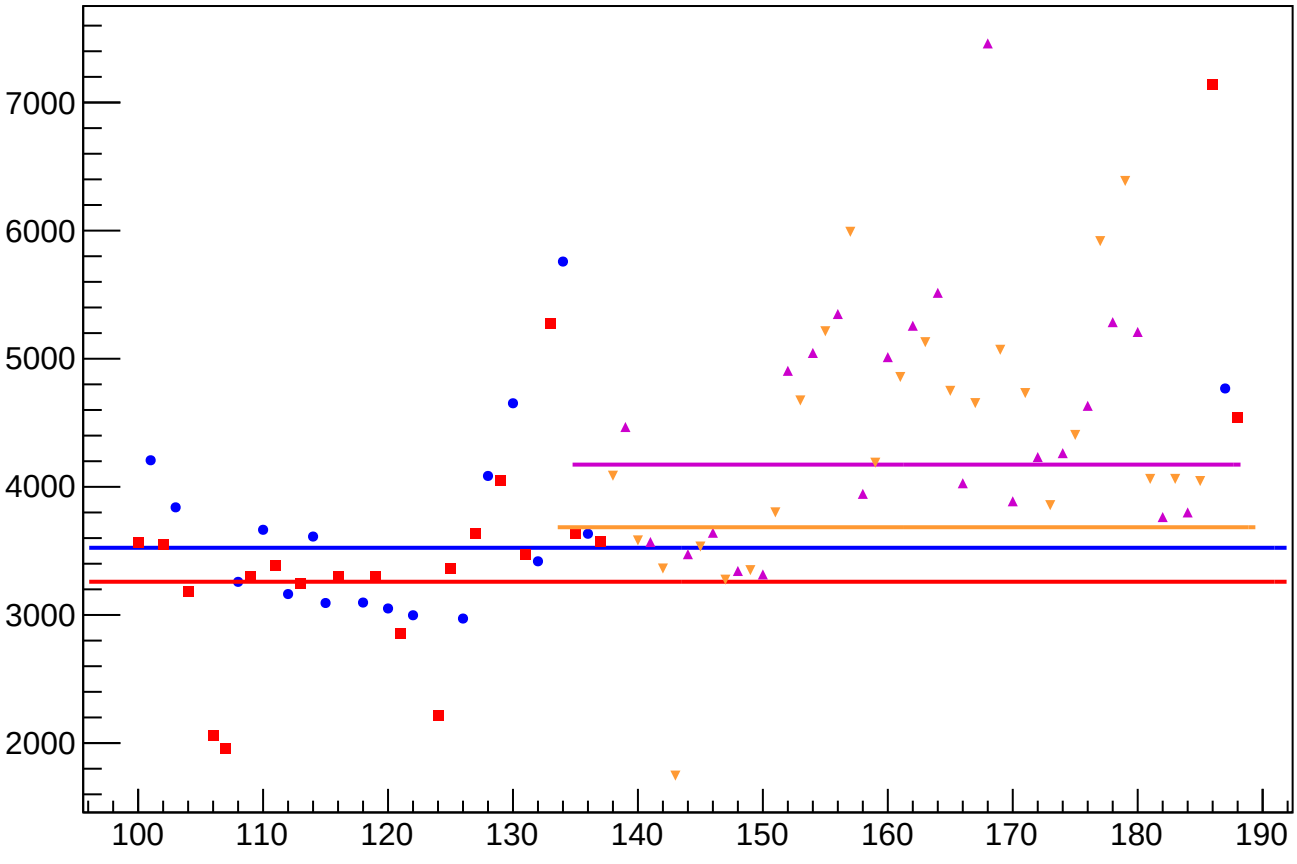
Right Out: -950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 236.645+/-735.126 χ^2/NDF: 44.1/41

All: -89.521+/-524.970 χ^2/NDF: 85.2/85

- sign -428.959+/-749.934 χ^2/NDF: 40.6/43



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

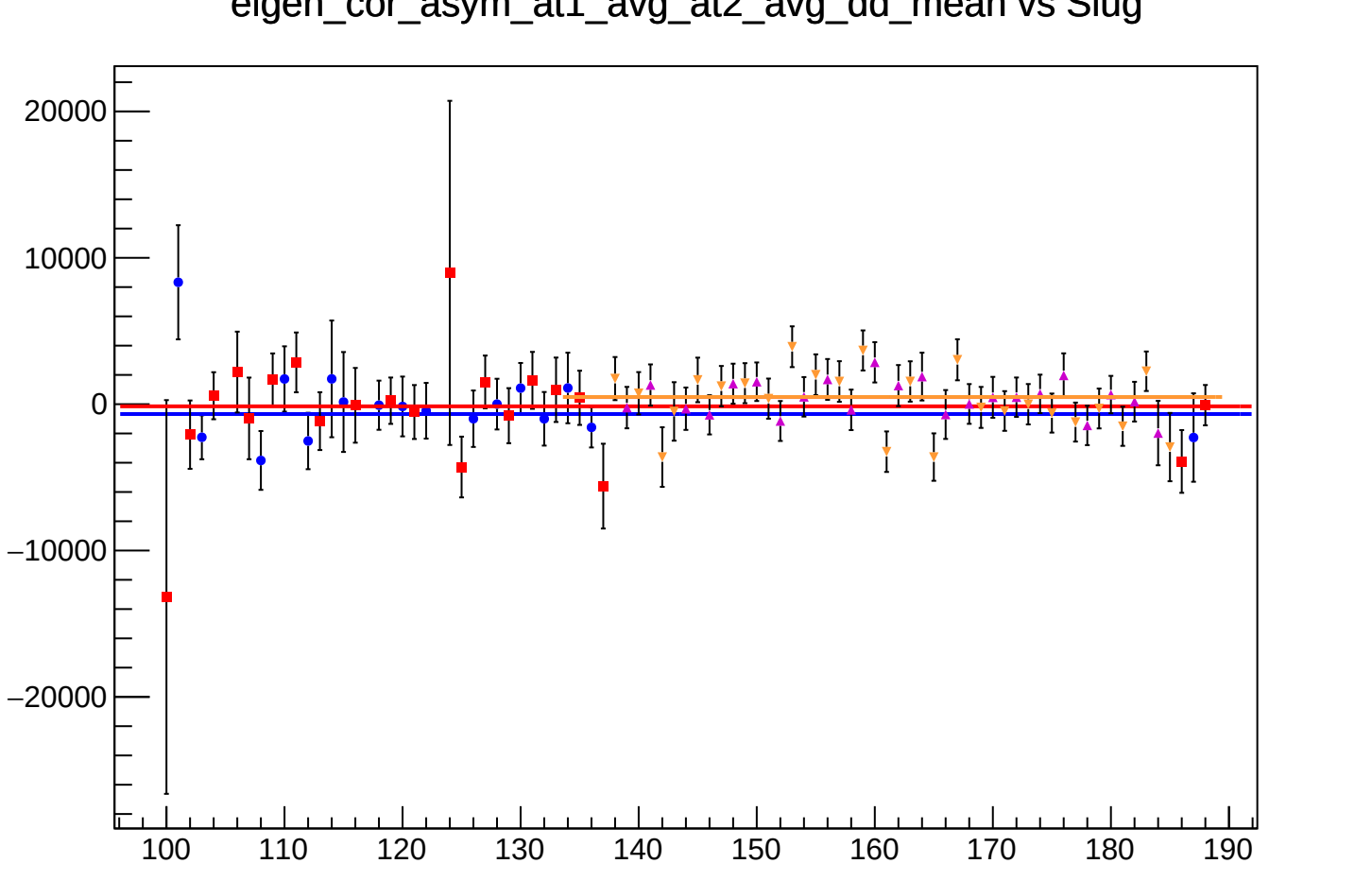
Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3634.672+/-0.520 χ^2/NDF: 4093105.6/41

All: 3705.053+/-0.371 χ^2/NDF: 7201366.5/85

- sign 3778.298+/-0.530 χ^2/NDF: 3070850.5/43



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -146.579+/-449.775 χ^2/NDF: 19.6/20

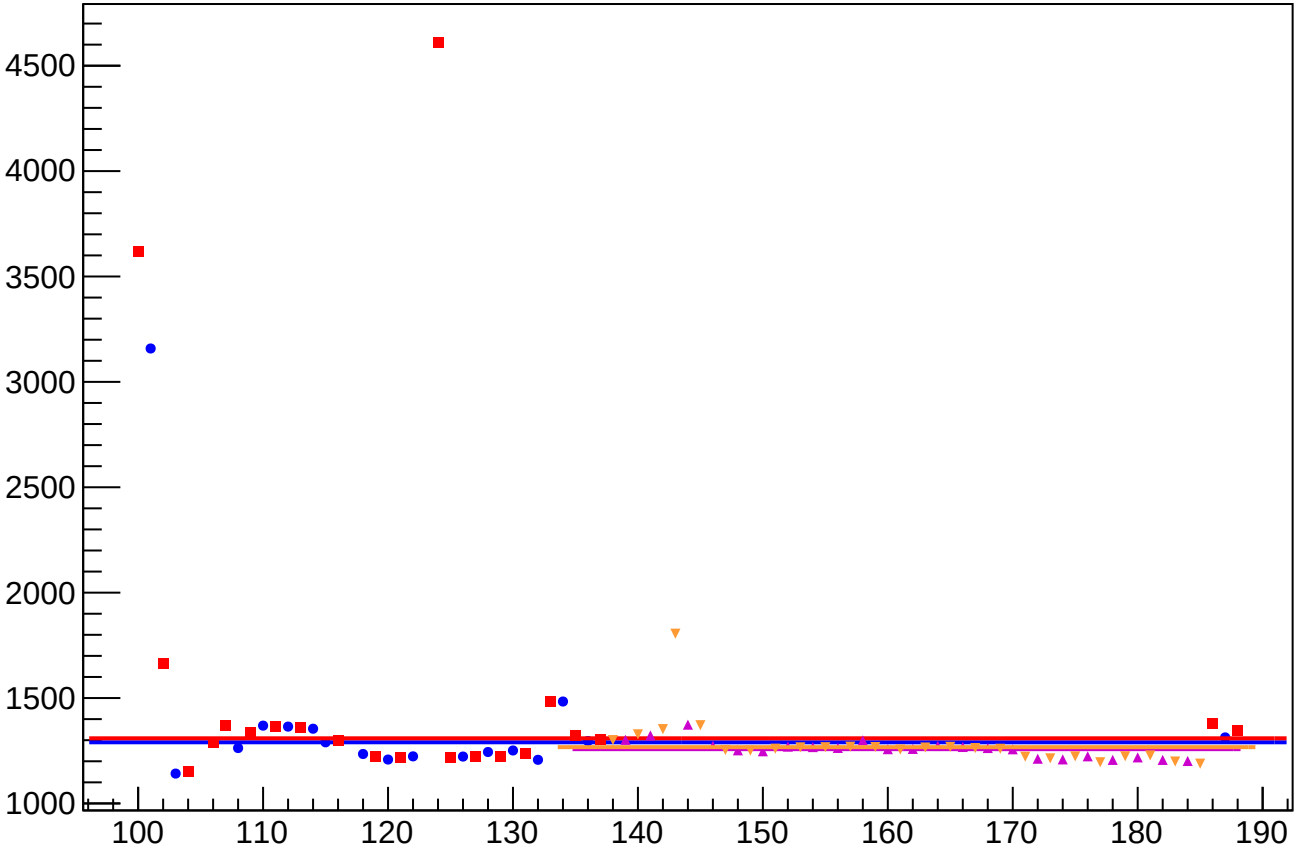
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 185.046+/-247.596 χ^2/NDF: 65.4/41

All: 241.568+/-174.493 χ^2/NDF: 100.8/85

- sign 297.343+/-245.954 χ^2/NDF: 35.4/43

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

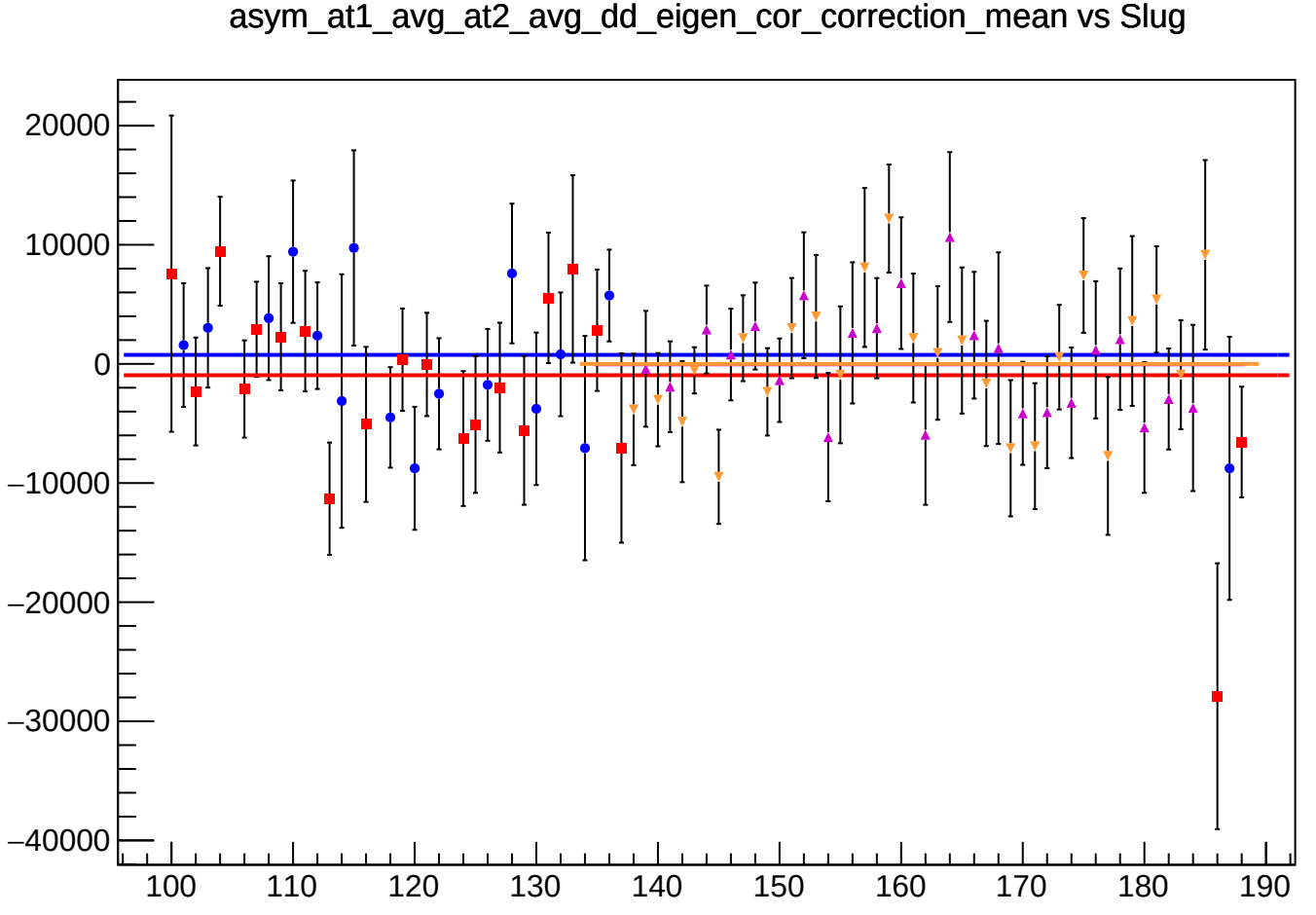
Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705721.8/41

All: 1273.012+/-0.123 χ^2/NDF: 1091022.6/85

- sign 1272.971+/-0.174 χ^2/NDF: 385300.7/43



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

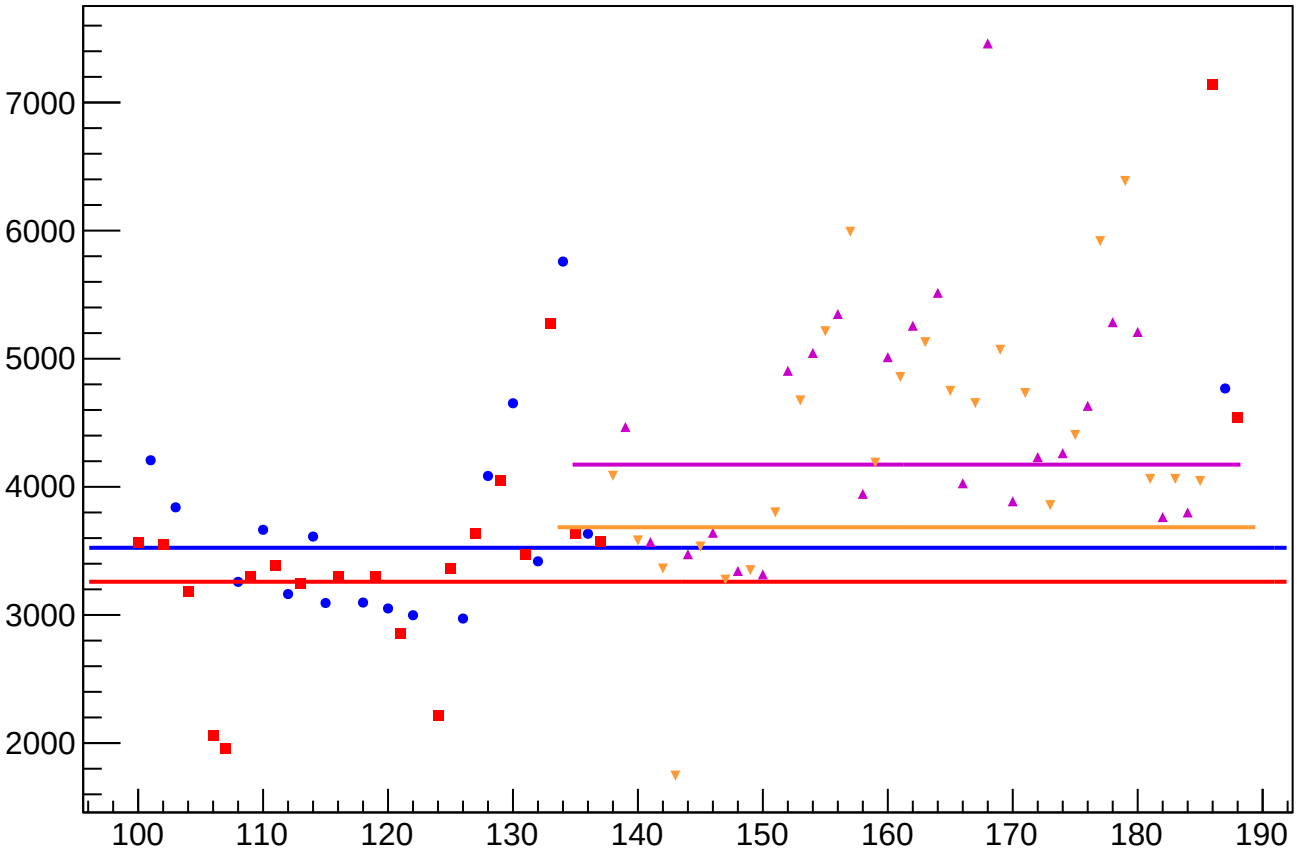
Right Out: -950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 236.645+/-735.126 χ^2/NDF: 44.1/41

All: -89.521+/-524.970 χ^2/NDF: 85.2/85

- sign -428.959+/-749.934 χ^2/NDF: 40.6/43



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

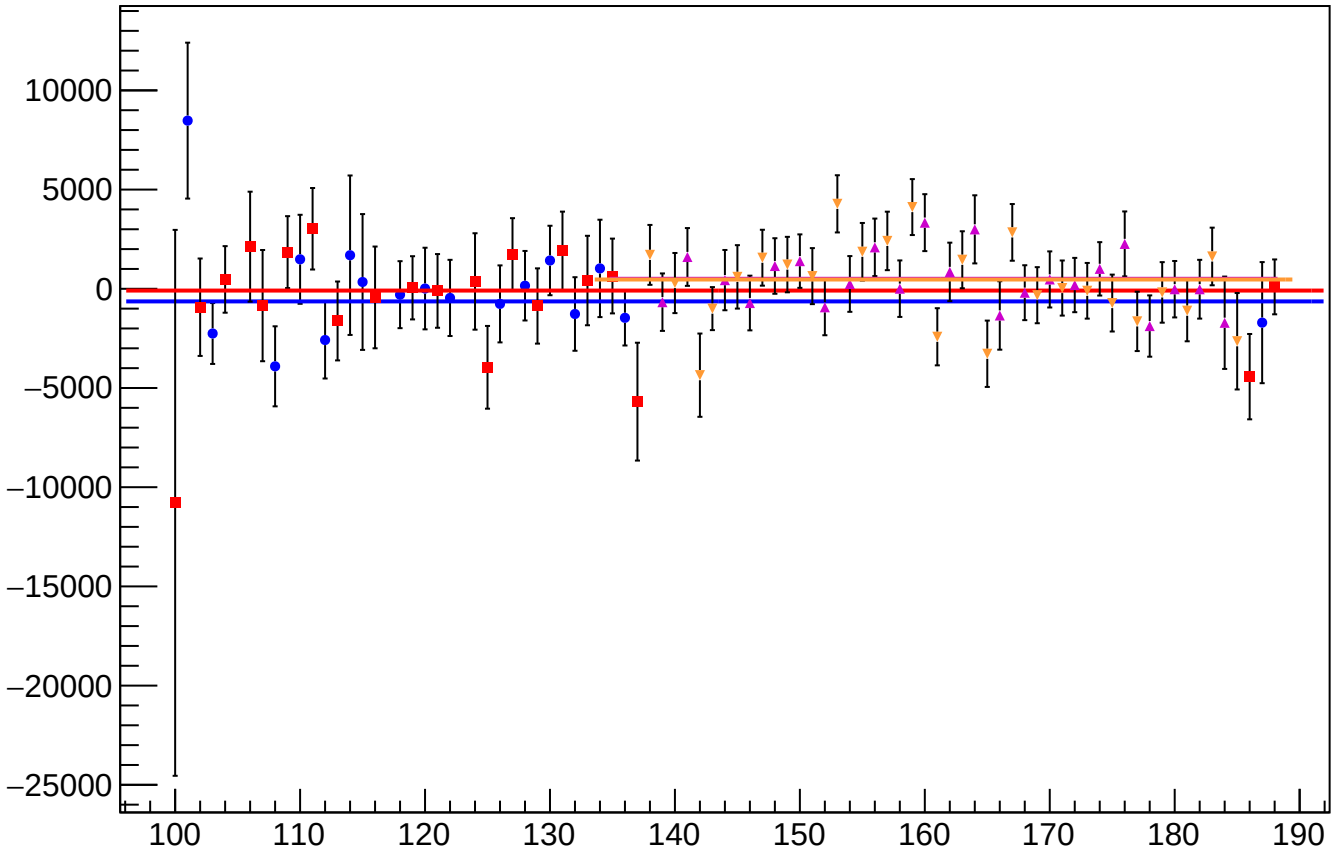
Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3634.672+/-0.520 χ^2/NDF: 4093105.6/41

All: 3705.053+/-0.371 χ^2/NDF: 7201366.5/85

- sign 3778.298+/-0.530 χ^2/NDF: 3070850.5/43



Right In: -635.897+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -89.620+/-448.080 χ^2/NDF: 19.1/20

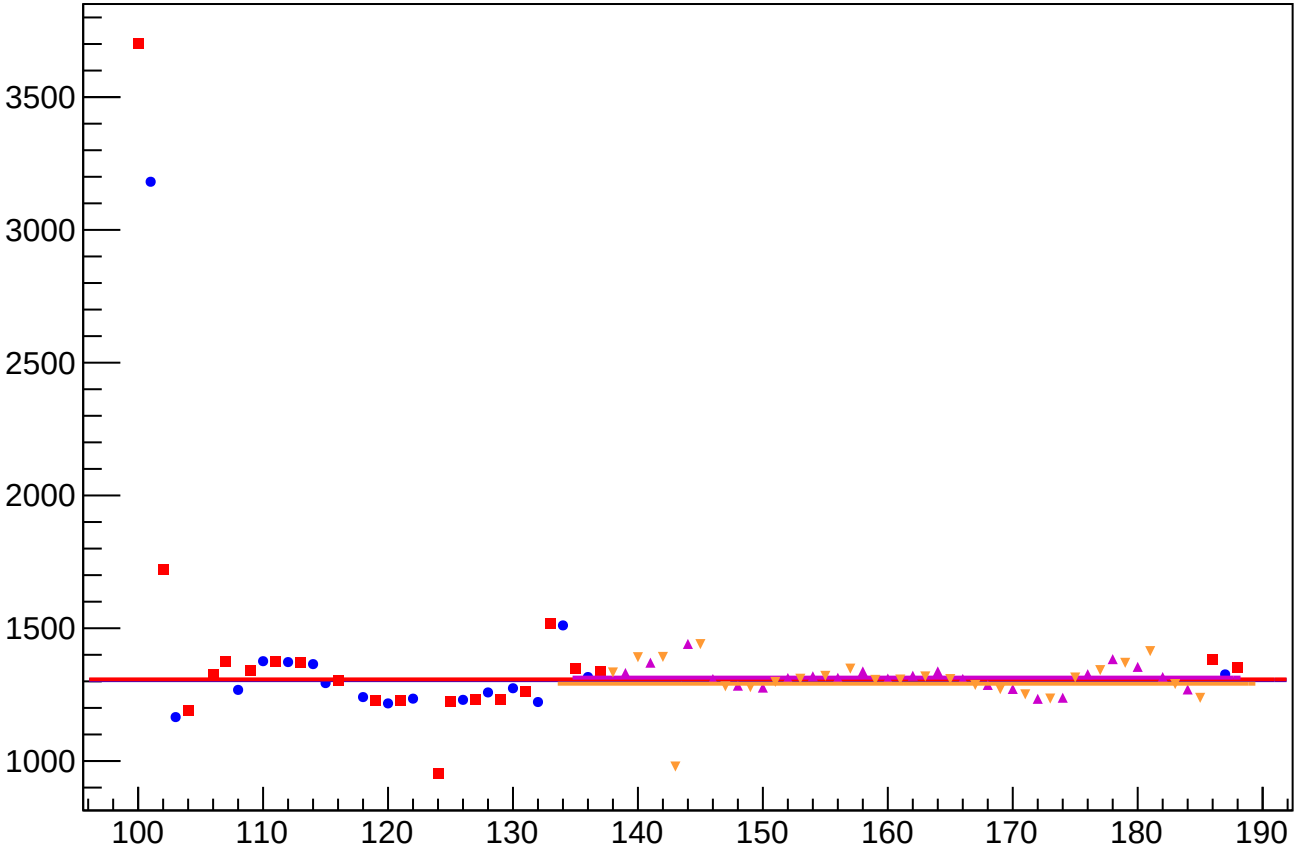
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 173.449+/-251.967 χ^2/NDF: 62.1/41

All: 243.363+/-178.633 χ^2/NDF: 100.0/85

- sign 314.014+/-253.290 χ^2/NDF: 37.7/43

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.0/16

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

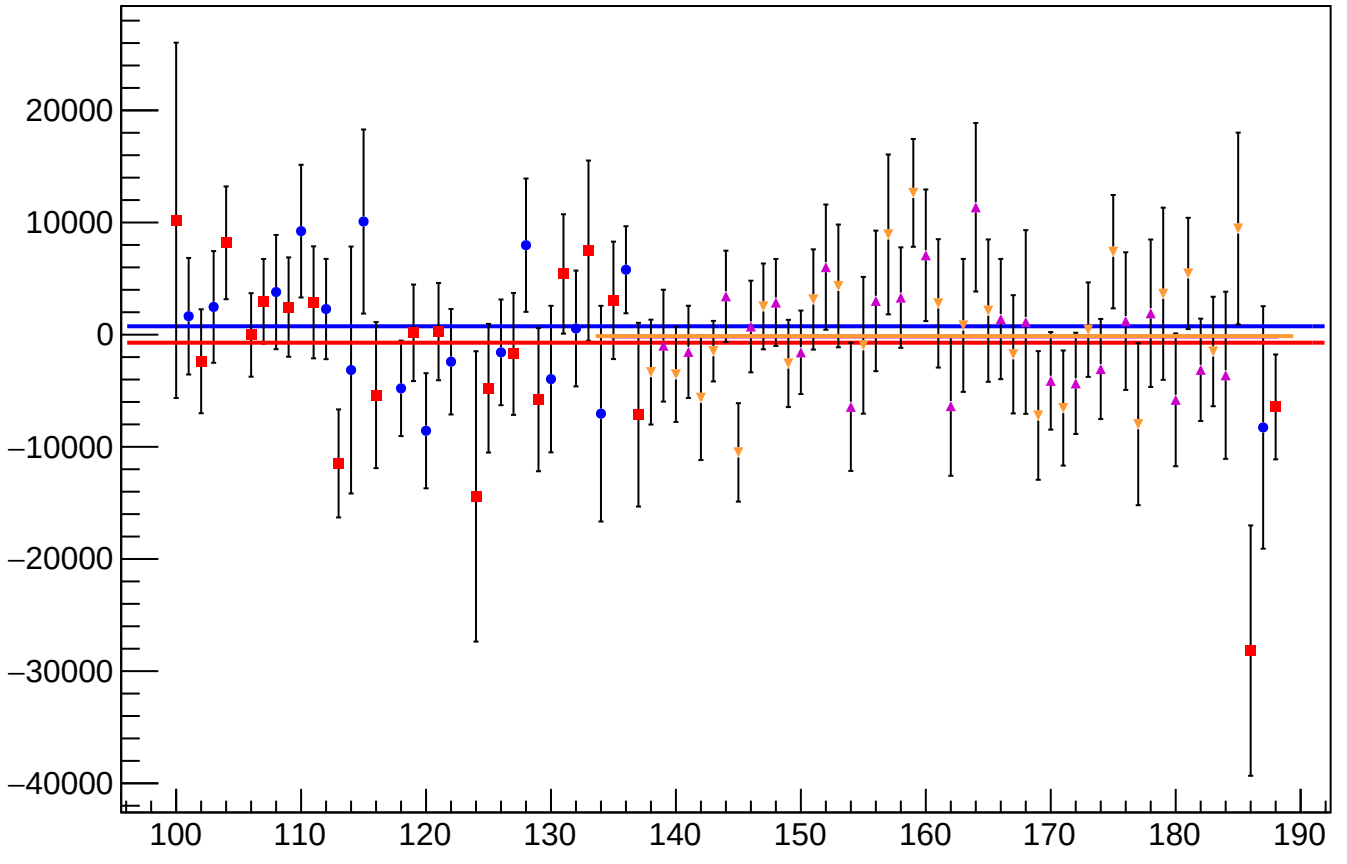
Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.3/20

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.801+/-0.178 χ^2/NDF: 742543.2/41

All: 1303.292+/-0.126 χ^2/NDF: 1009039.5/85

- sign 1311.869+/-0.179 χ^2/NDF: 261931.0/43



Right In: 748.094+/-1317.505 χ^2/NDF: 14.8/16

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

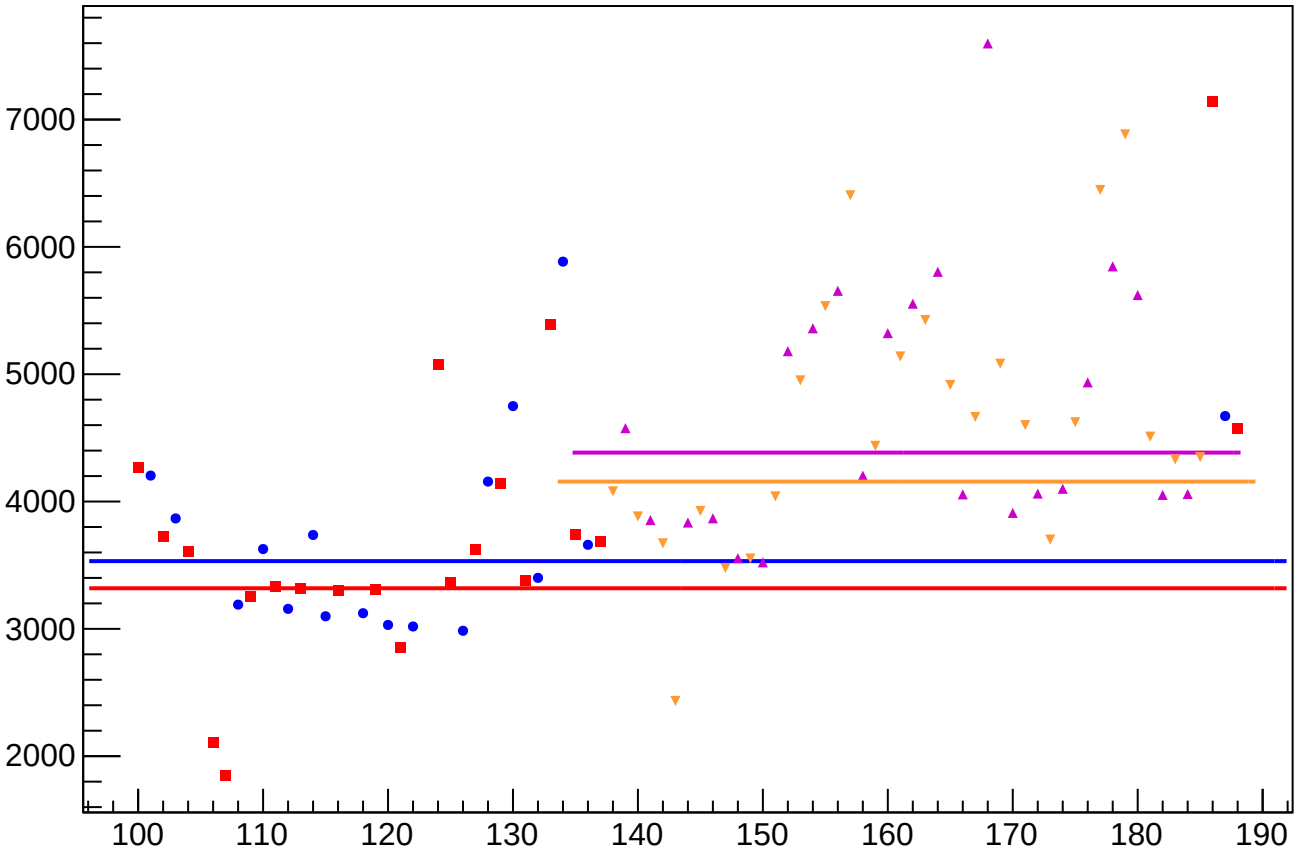
Right Out: -715.172+/-1156.094 χ^2/NDF: 24.7/20

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 183.400+/-784.890 χ^2/NDF: 43.7/41

All: -116.624+/-551.631 χ^2/NDF: 82.6/85

- sign -409.469+/-775.443 χ^2/NDF: 38.6/43



Right In: 3531.921+/-0.932 χ^2/NDF: 397625.9/16

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3318.797+/-0.817 χ^2/NDF: 1172344.7/20

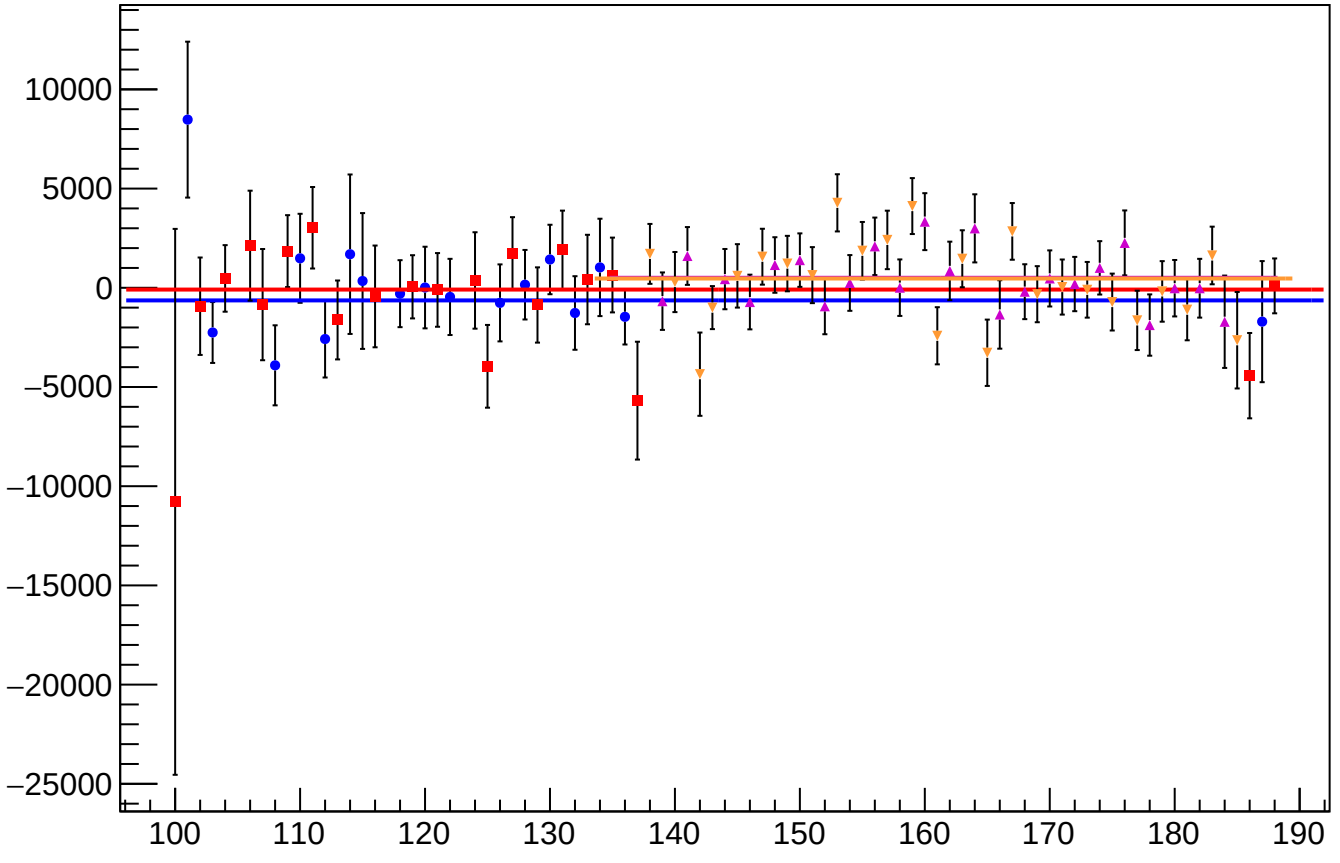
Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3934.886+/-0.555 χ^2/NDF: 2768417.6/41

All: 3919.735+/-0.390 χ^2/NDF: 6132282.9/85

- sign 3904.946+/-0.548 χ^2/NDF: 3362392.6/43

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -635.901+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

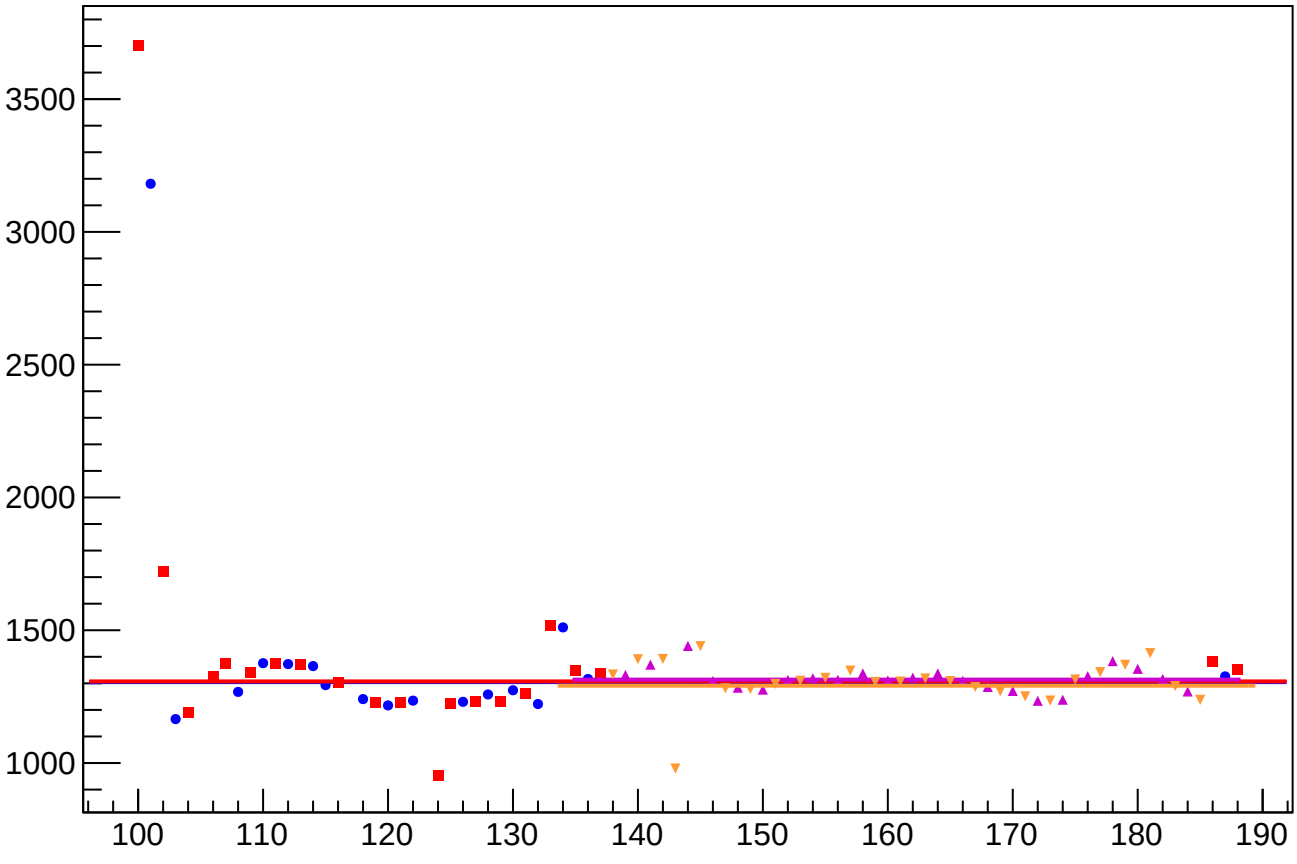
Right Out: -89.613+/-448.080 χ^2/NDF: 19.1/20

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 173.450+/-251.967 χ^2/NDF: 62.1/41

All: 243.365+/-178.634 χ^2/NDF: 100.0/85

- sign 314.016+/-253.290 χ^2/NDF: 37.7/43



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.2/16

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

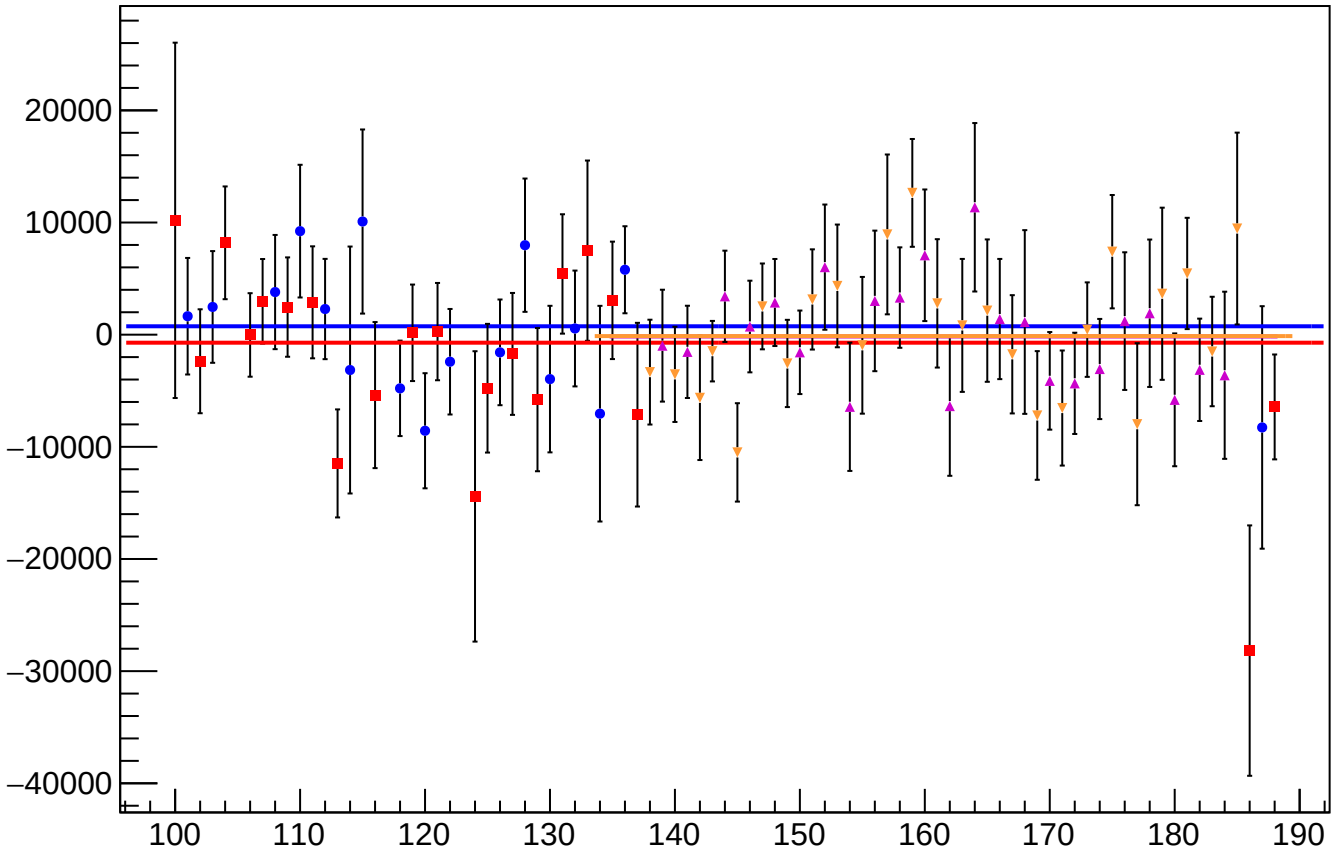
Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.4/20

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.802+/-0.178 χ^2/NDF: 742545.6/41

All: 1303.293+/-0.126 χ^2/NDF: 1009044.2/85

- sign 1311.870+/-0.179 χ^2/NDF: 261933.3/43



Right In: 748.085+/-1317.502 χ^2/NDF: 14.8/16

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

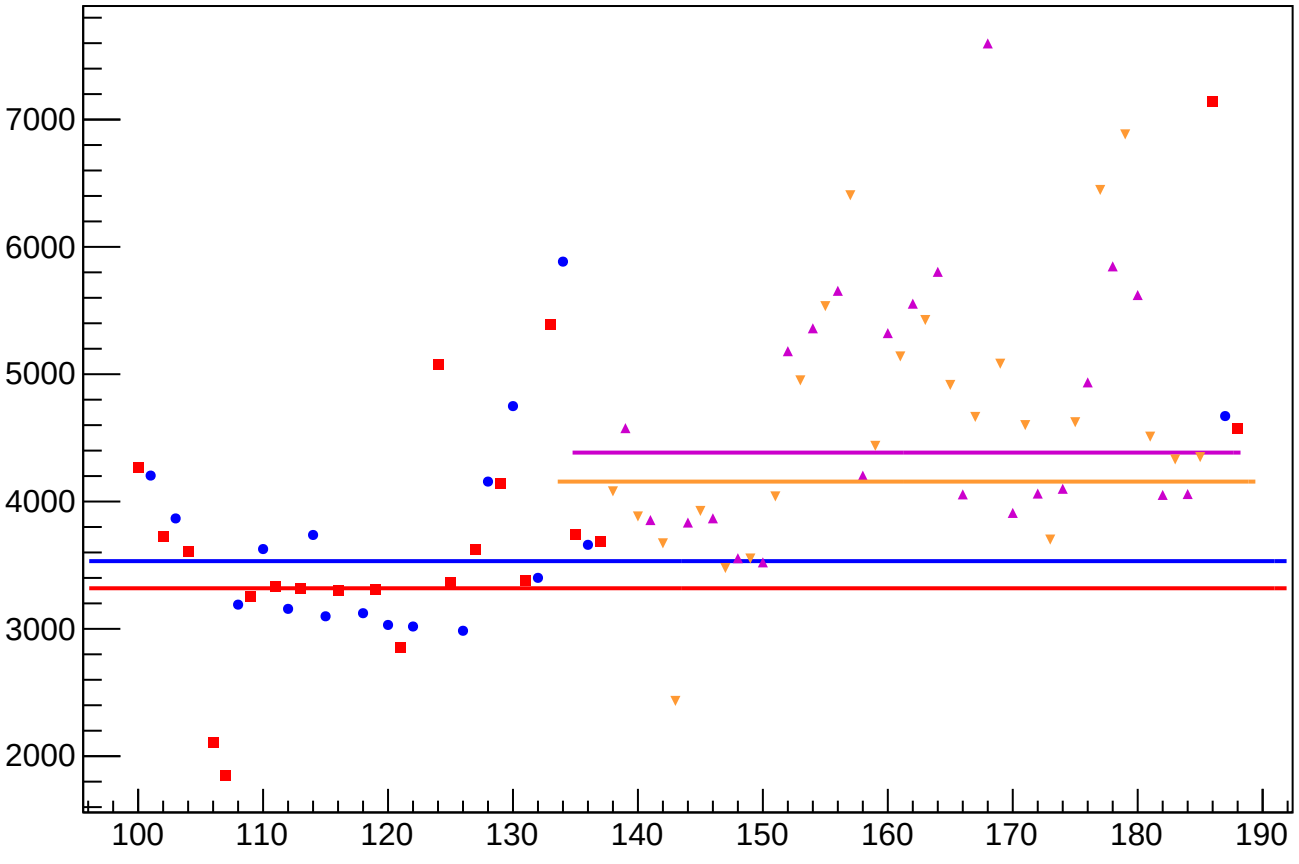
Right Out: -715.165+/-1156.092 χ^2/NDF: 24.7/20

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 183.399+/-784.890 χ^2/NDF: 43.7/41

All: -116.624+/-551.631 χ^2/NDF: 82.6/85

- sign -409.468+/-775.443 χ^2/NDF: 38.6/43



Right In: 3531.912+/-0.932 χ^2/NDF: 397630.7/16

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3318.790+/-0.817 χ^2/NDF: 1172350.5/20

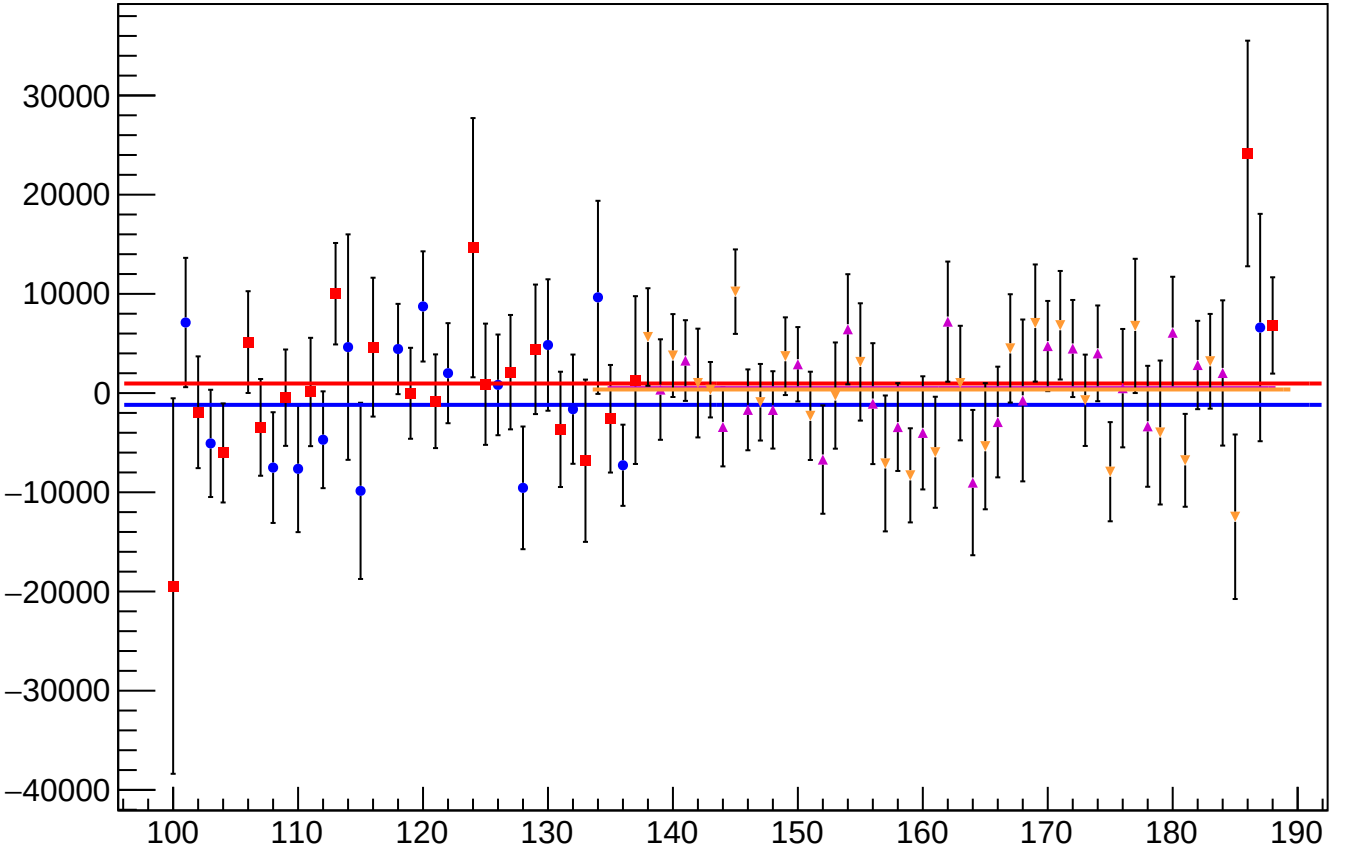
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3934.886+/-0.555 χ^2/NDF: 2768440.2/41

All: 3919.734+/-0.390 χ^2/NDF: 6132341.6/85

- sign 3904.944+/-0.548 χ^2/NDF: 3362428.5/43

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1187.710+/-1420.581 χ^2/NDF: 18.0/16

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 964.766+/-1280.004 χ^2/NDF: 17.6/20

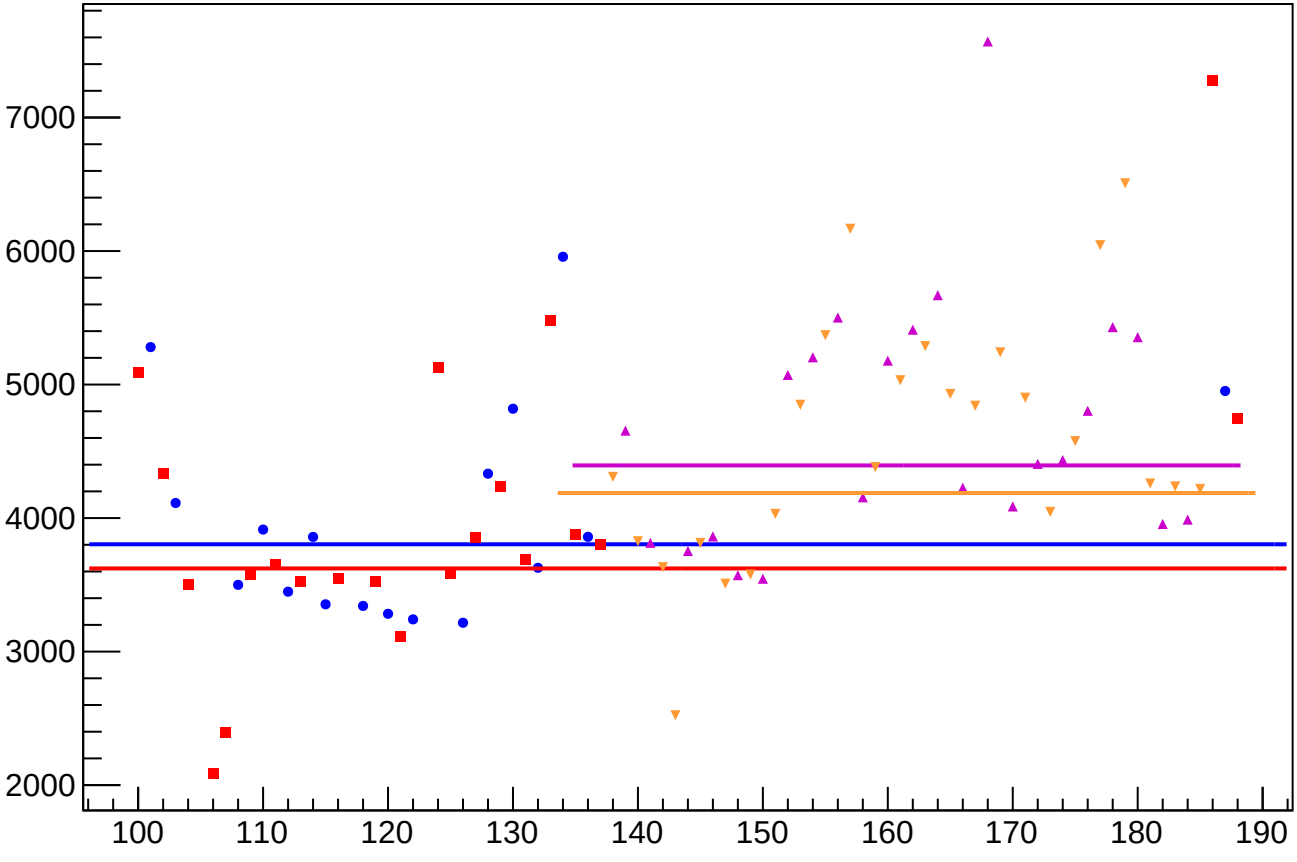
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign -137.249+/-806.594 χ^2/NDF: 46.5/41

All: 272.138+/-571.321 χ^2/NDF: 78.6/85

\- sign 684.331+/-809.354 χ^2/NDF: 31.6/43

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3803.689+/-1.004 χ^2/NDF: 403375.2/16

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

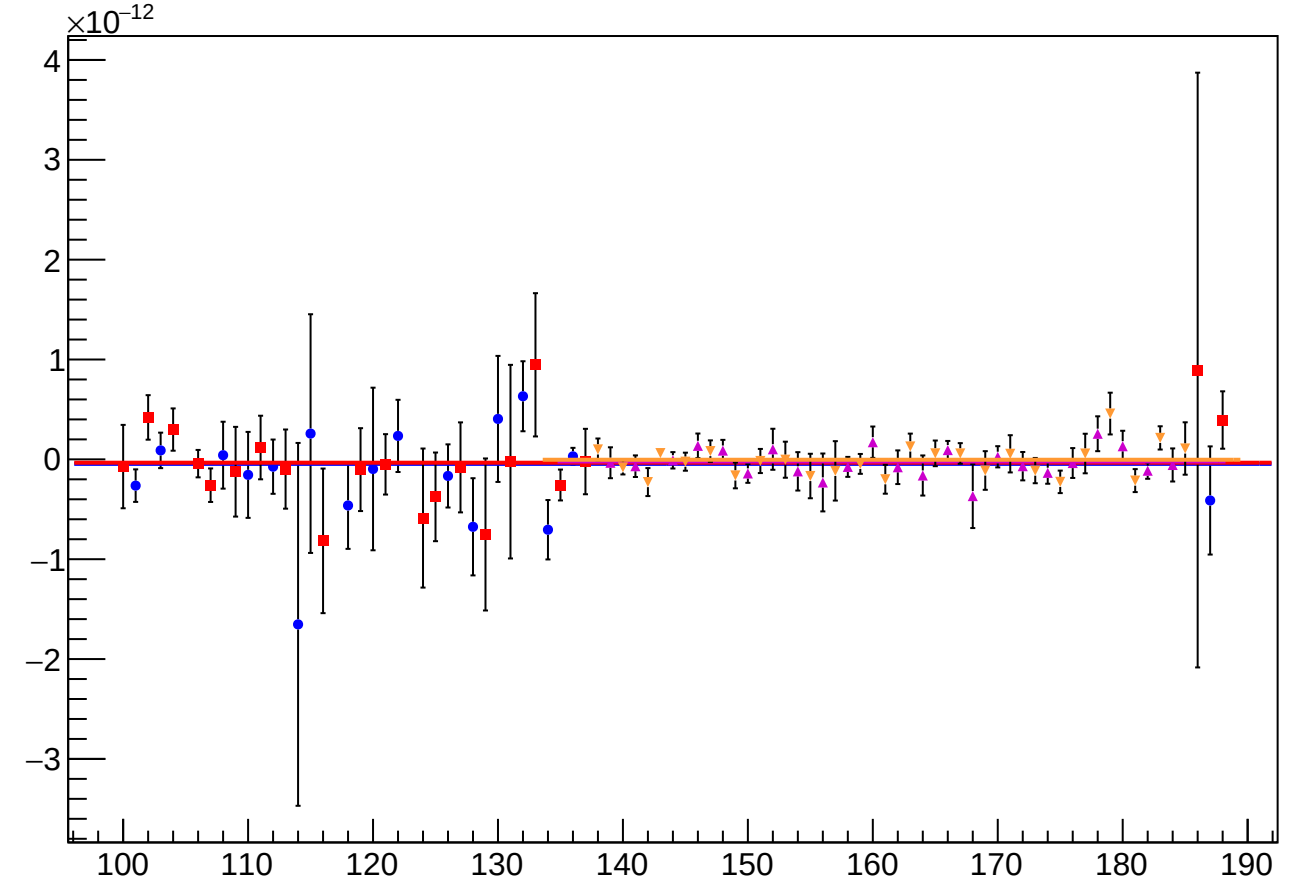
Right Out: 3622.693+/-0.894 χ^2/NDF: 921143.5/20

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4063.999+/-0.570 χ^2/NDF: 2298828.4/41

All: 4072.581+/-0.403 χ^2/NDF: 4751669.3/85

- sign 4081.135+/-0.569 χ^2/NDF: 2452388.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

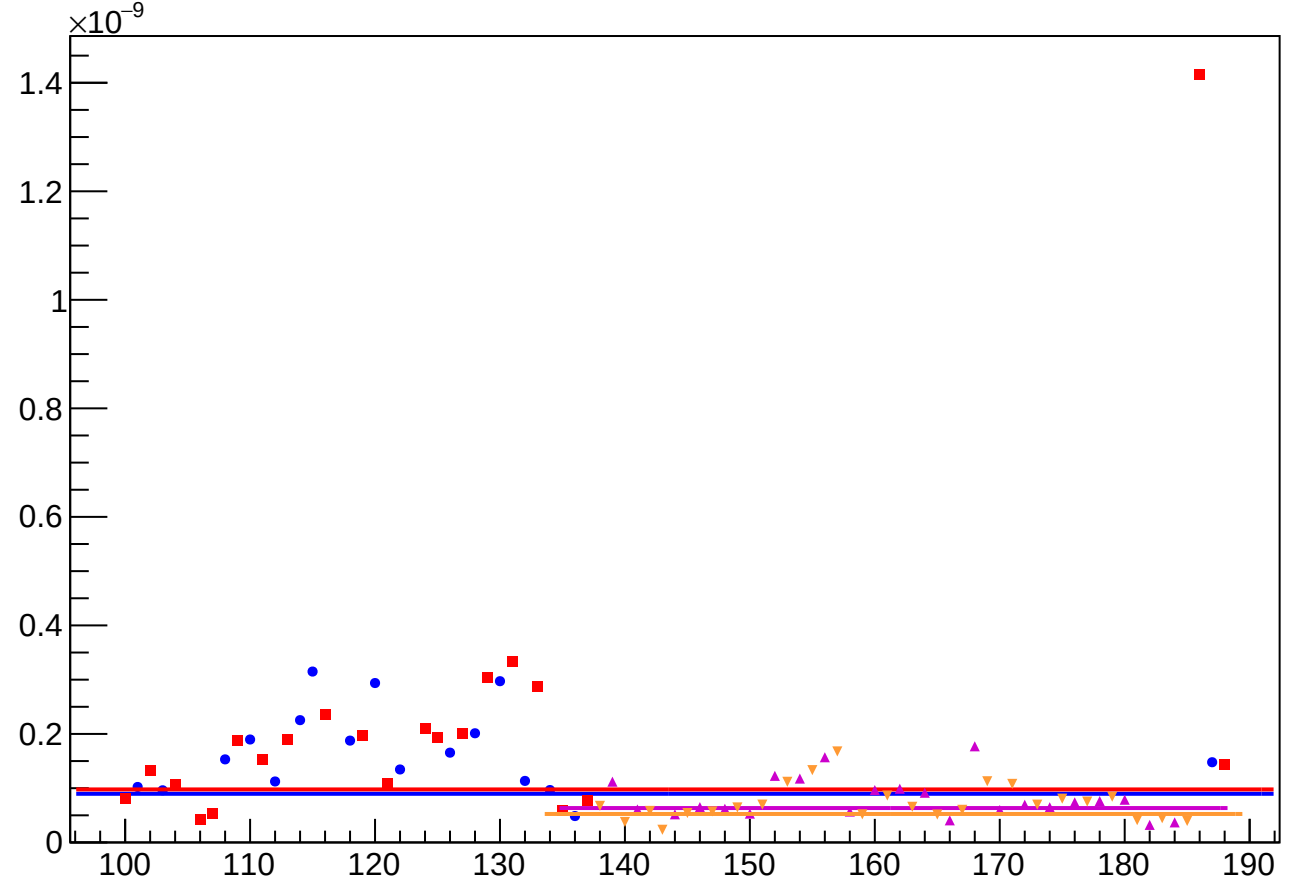
Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/20

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.0/41

All: -0.000+/-0.000 χ^2/NDF: 83.5/85

- sign -0.000+/-0.000 χ^2/NDF: 35.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1484054.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

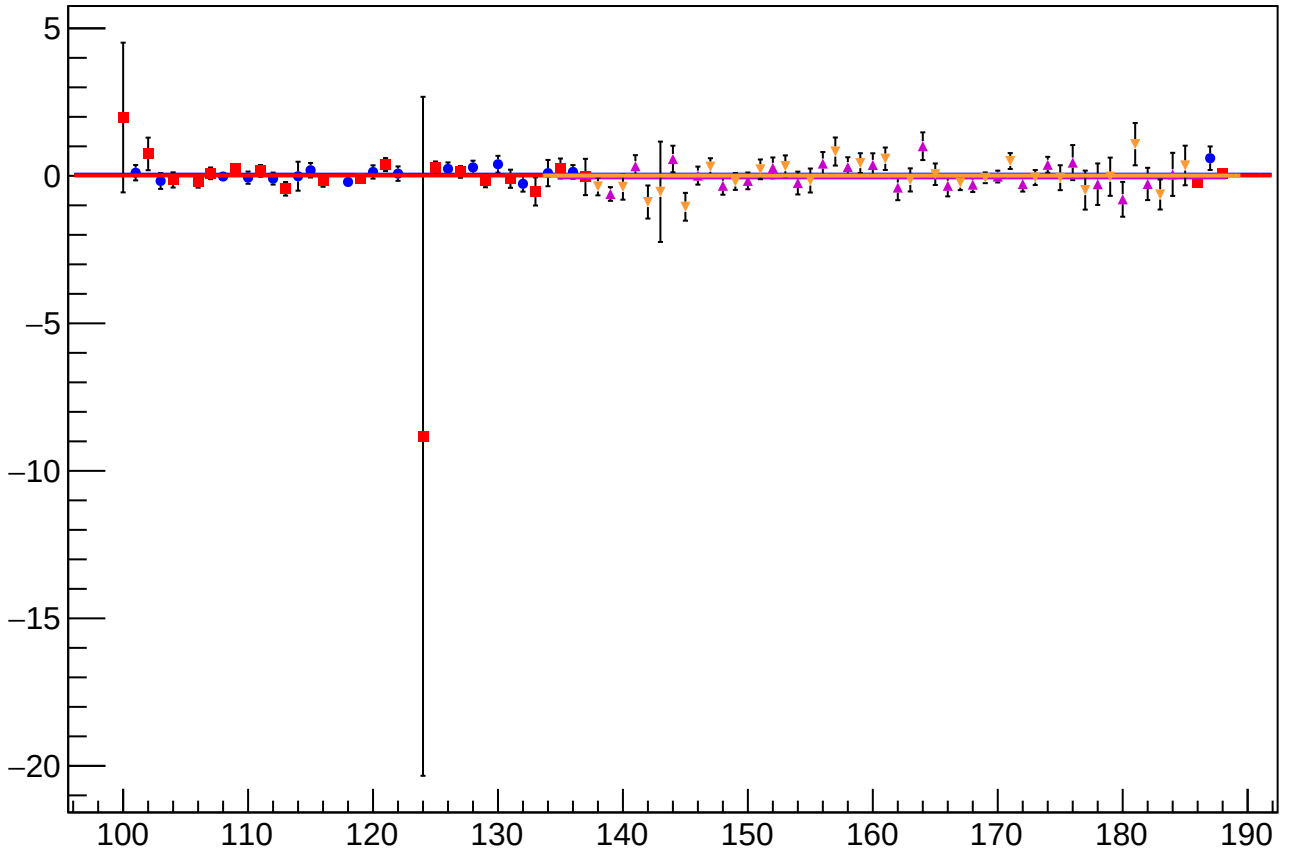
Right Out: 0.000+/-0.000 χ^2/NDF: 2182752.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4815395.8/41

All: 0.000+/-0.000 χ^2/NDF: 9555638.4/85

- sign 0.000+/-0.000 χ^2/NDF: 4485941.2/43



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

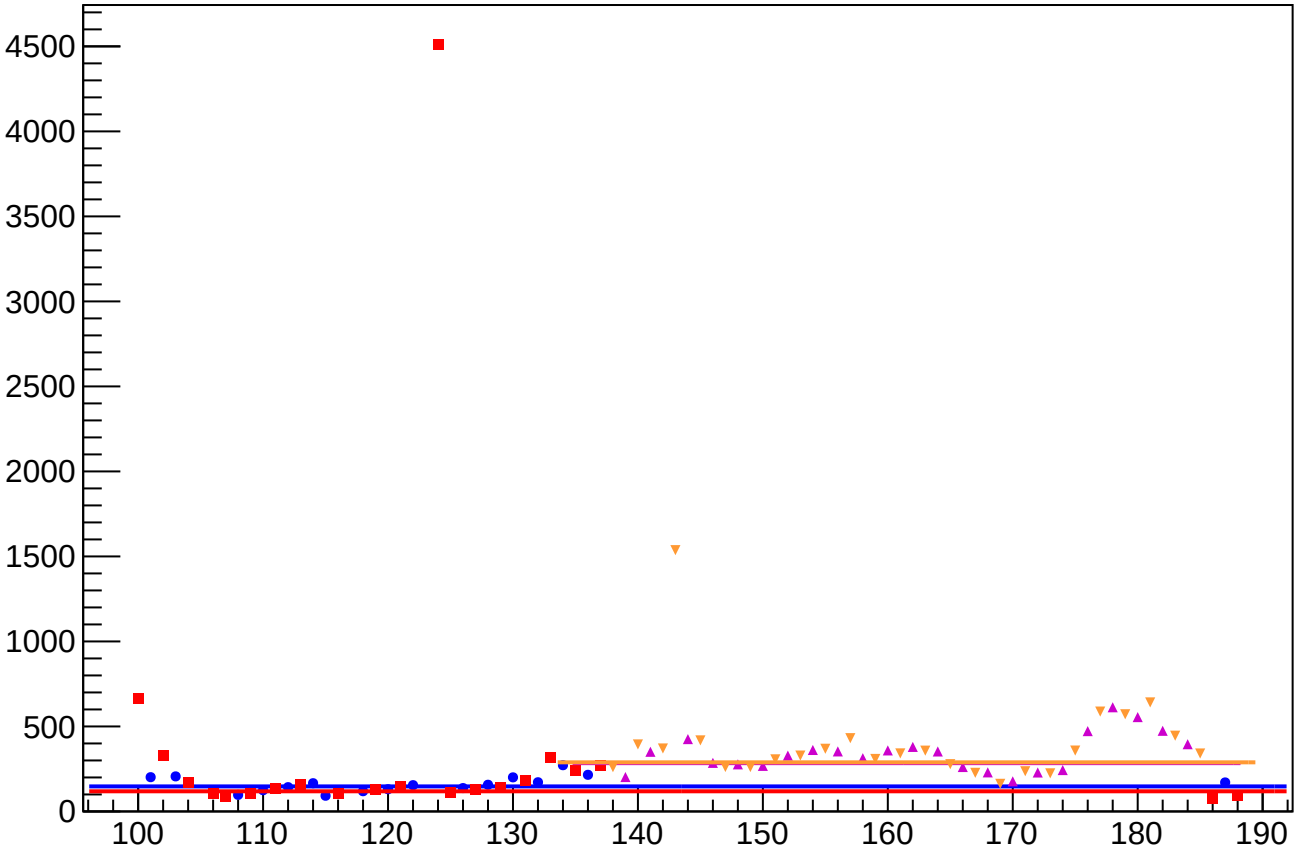
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.008+/-0.029 χ^2/NDF: 93.9/85

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

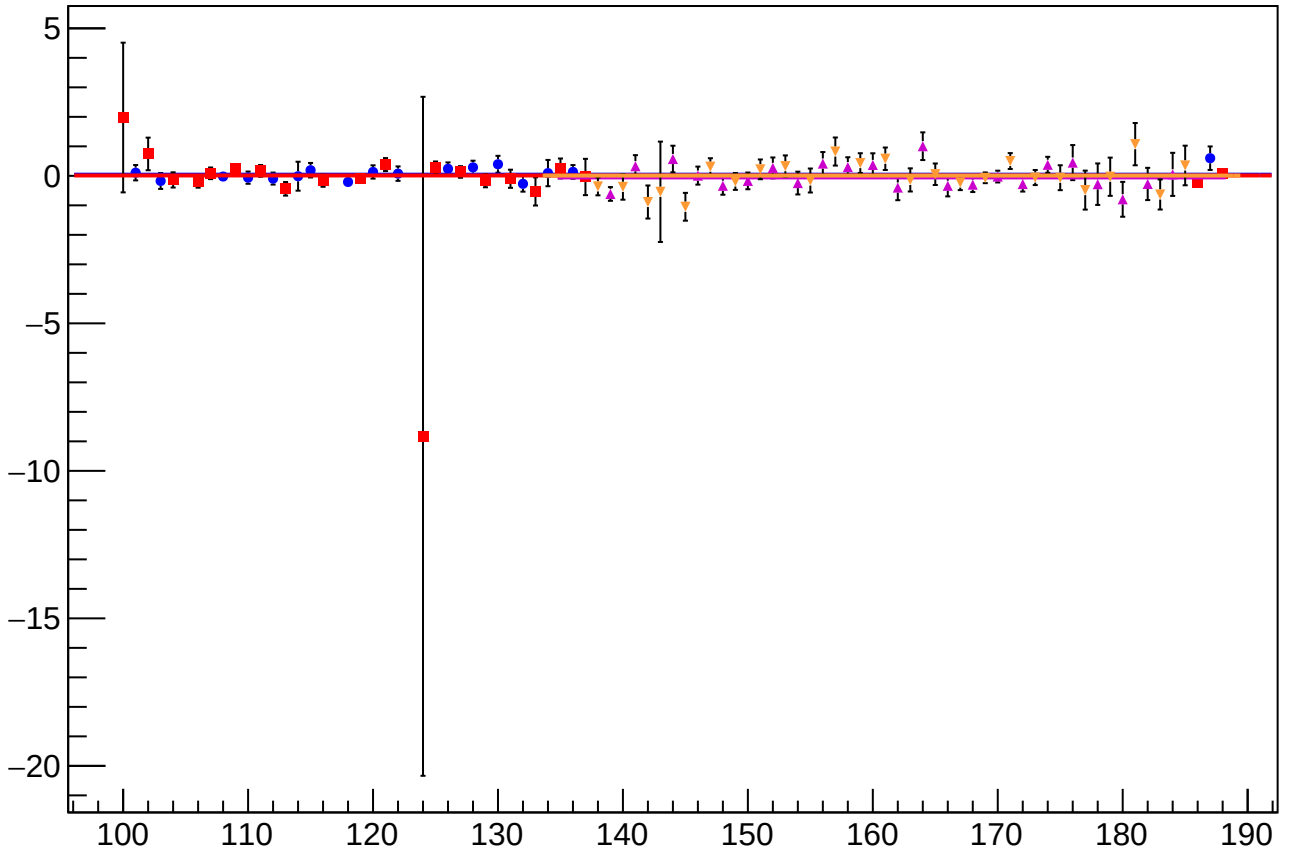
Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.925+/-0.031 χ^2/NDF: 10482792.9/41

All: 181.689+/-0.020 χ^2/NDF: 24364154.3/85

- sign 166.354+/-0.027 χ^2/NDF: 13097139.0/43



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

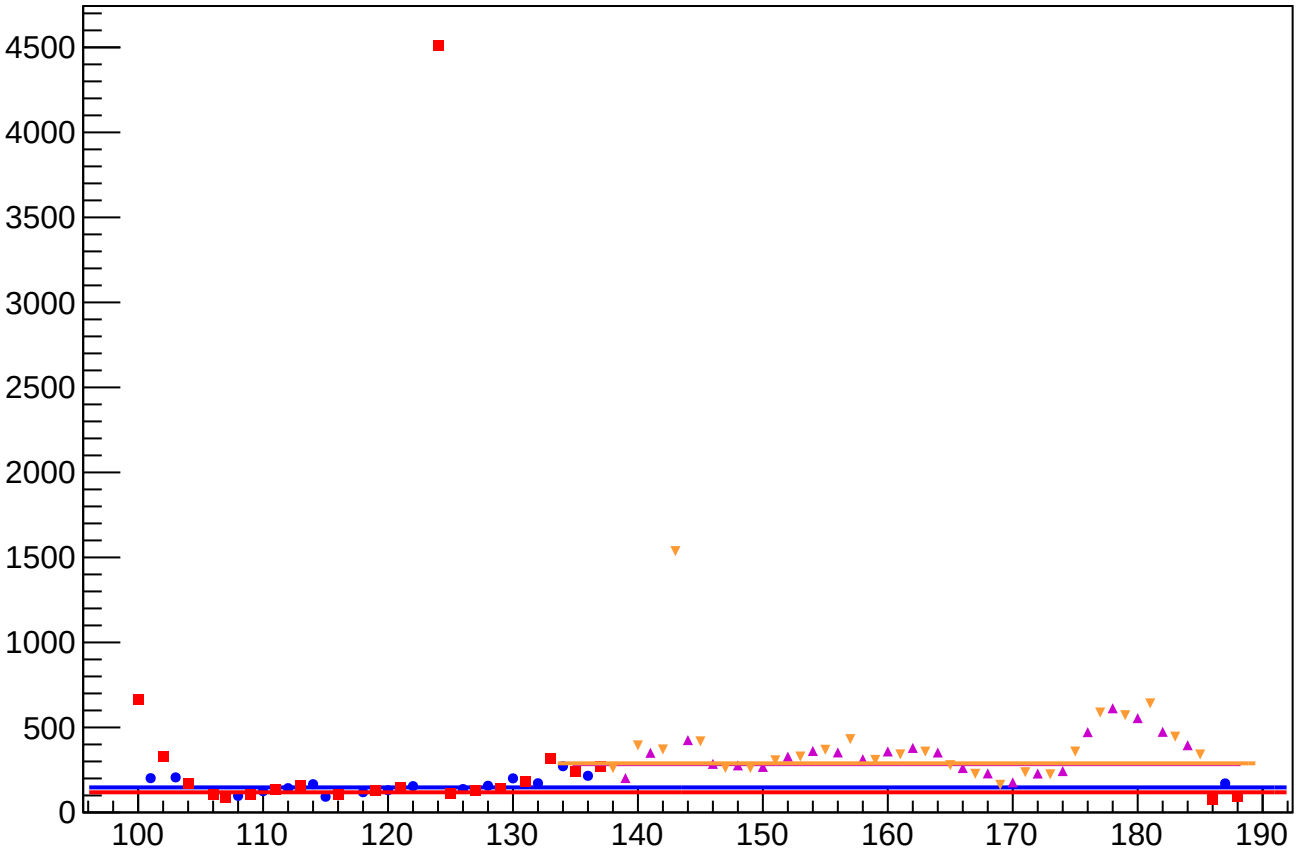
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.008+/-0.029 χ^2/NDF: 93.9/85

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

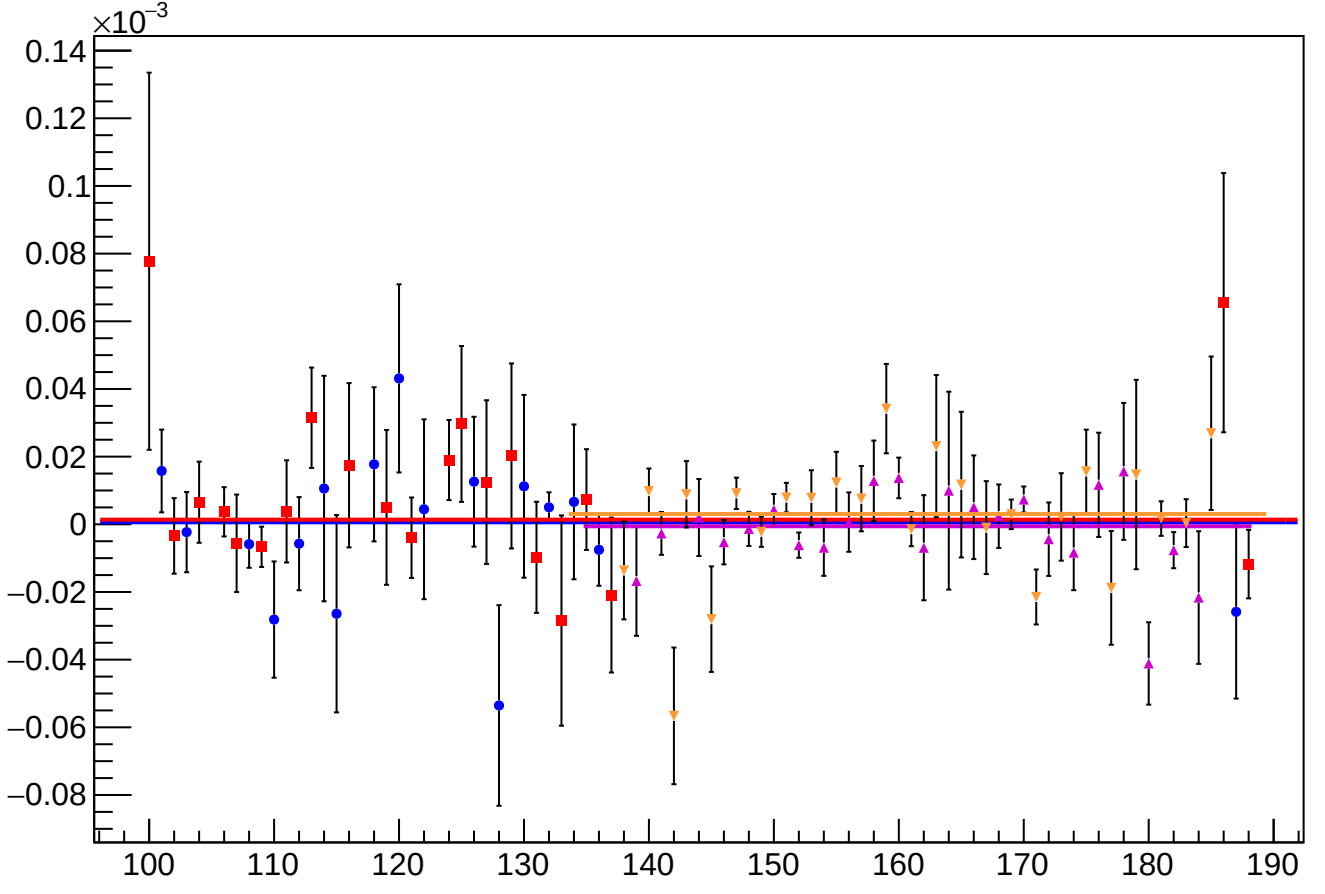
Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.925+/-0.031 χ^2/NDF: 10482792.9/41

All: 181.689+/-0.020 χ^2/NDF: 24364154.3/85

- sign 166.354+/-0.027 χ^2/NDF: 13097139.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

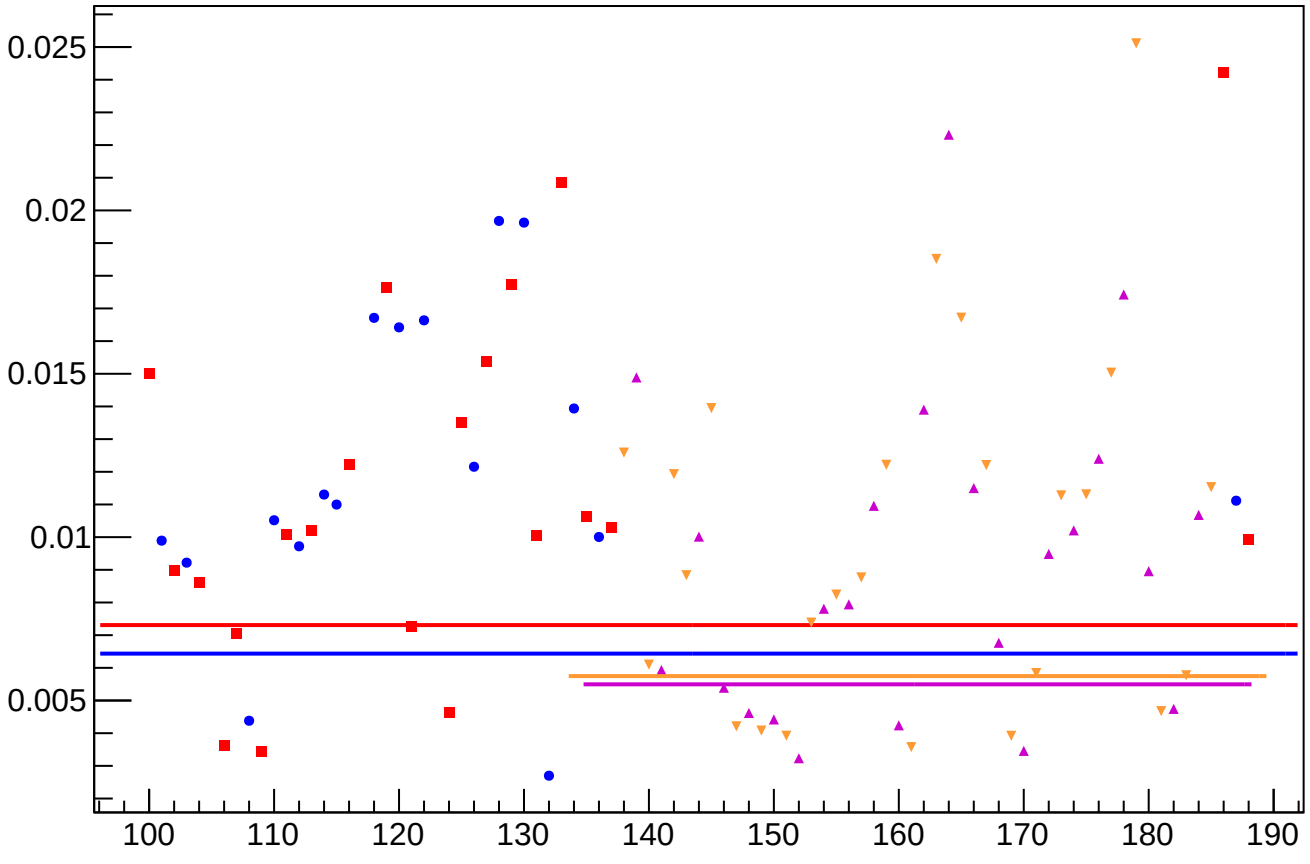
Right Out: 0.000+/-0.000 χ^2/NDF: 20.6/20

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.7/41

All: 0.000+/-0.000 χ^2/NDF: 114.8/85

- sign -0.000+/-0.000 χ^2/NDF: 54.1/43



Right In: 0.006+/-0.000 χ^2/NDF: 4707327.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

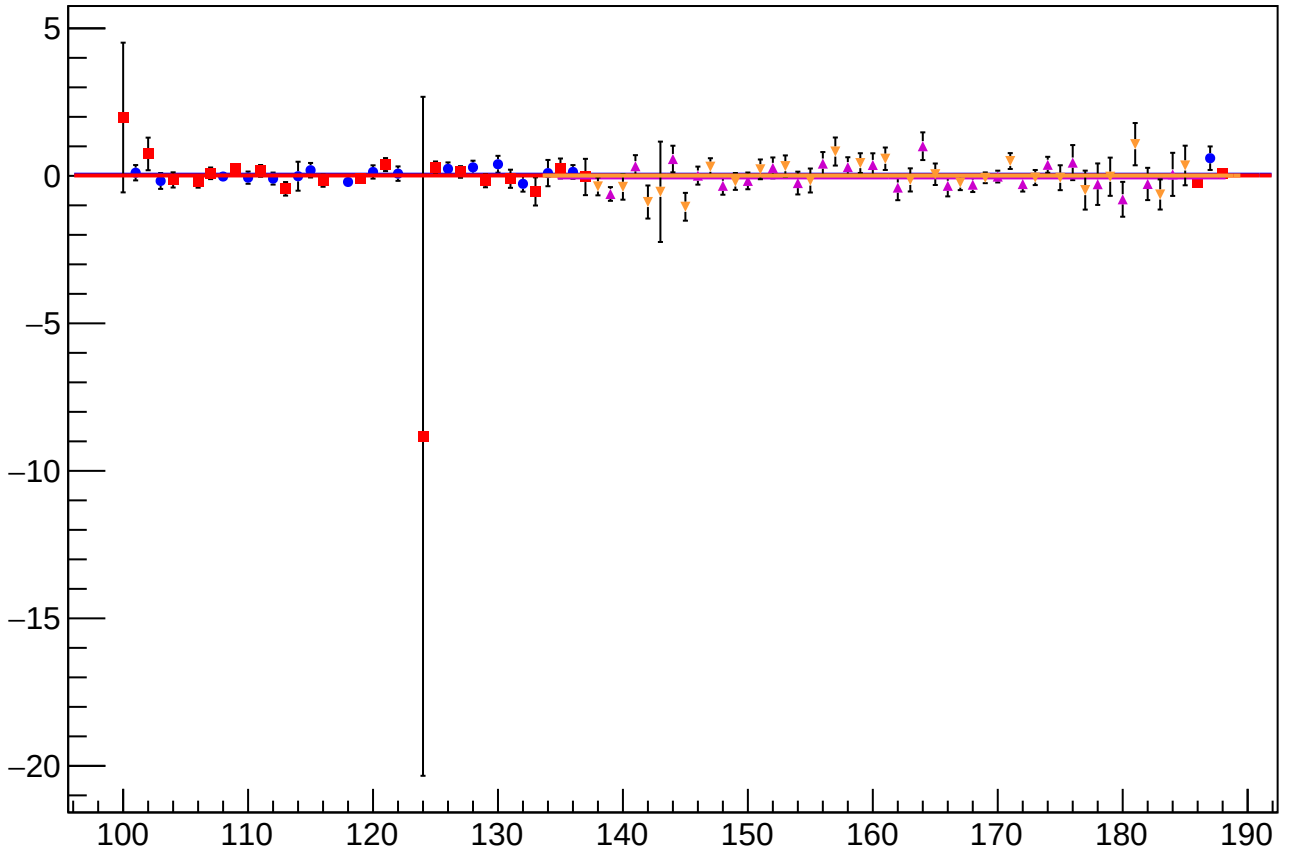
Right Out: 0.007+/-0.000 χ^2/NDF: 3959056.4/20

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 12923726.3/41

All: 0.006+/-0.000 χ^2/NDF: 24440341.3/85

- sign 0.006+/-0.000 χ^2/NDF: 11516593.0/43



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

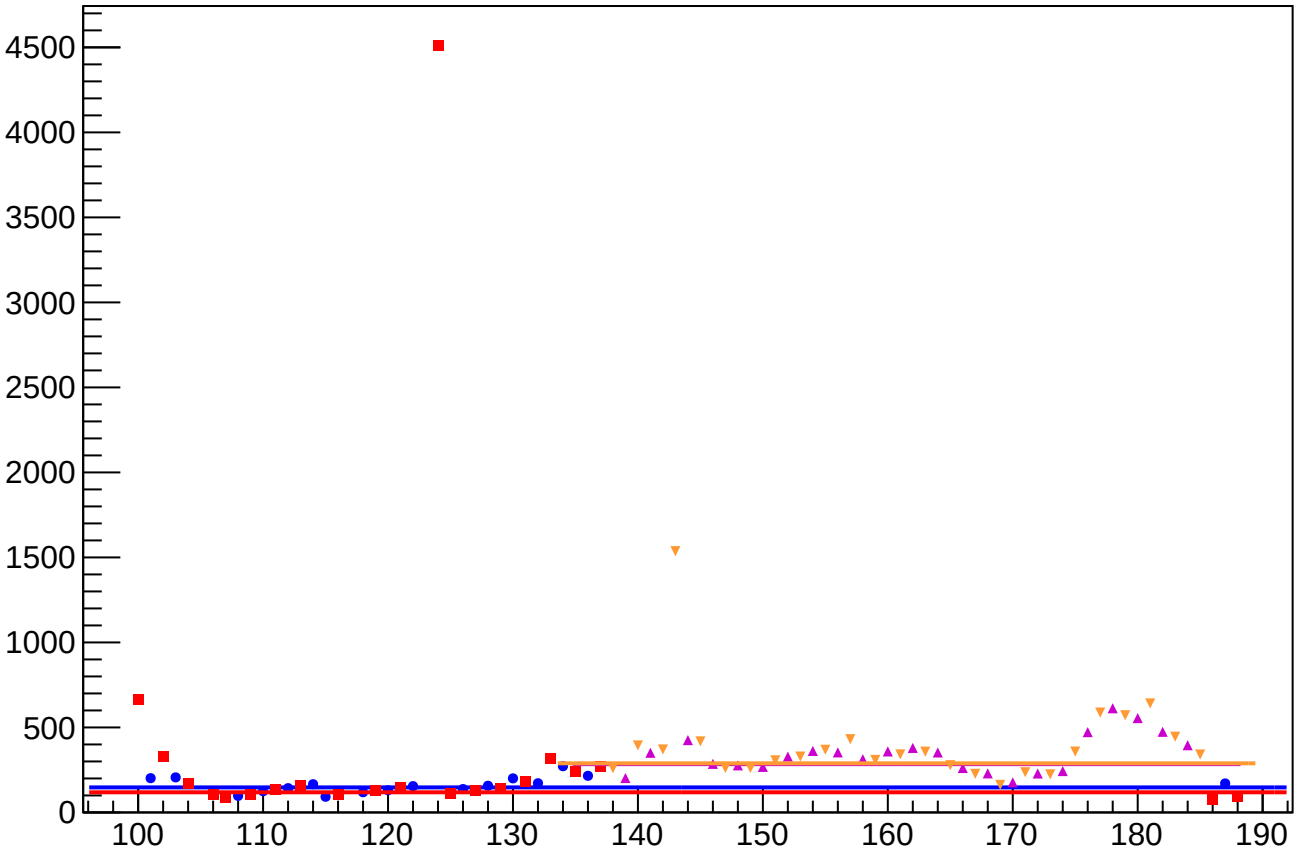
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.008+/-0.029 χ^2/NDF: 93.9/85

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

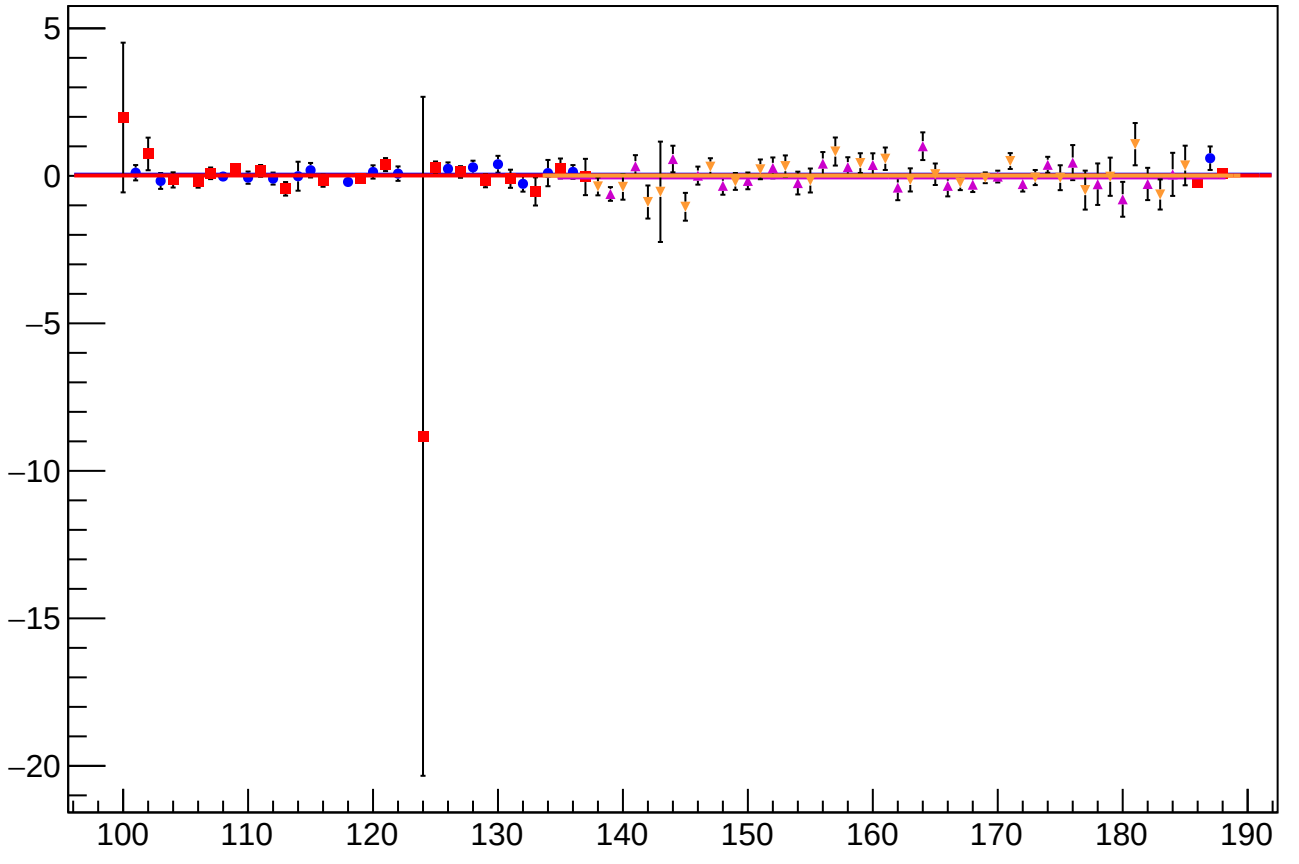
Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.924+/-0.031 χ^2/NDF: 10482932.7/41

All: 181.690+/-0.020 χ^2/NDF: 24364000.7/85

- sign 166.356+/-0.027 χ^2/NDF: 13096958.9/43



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

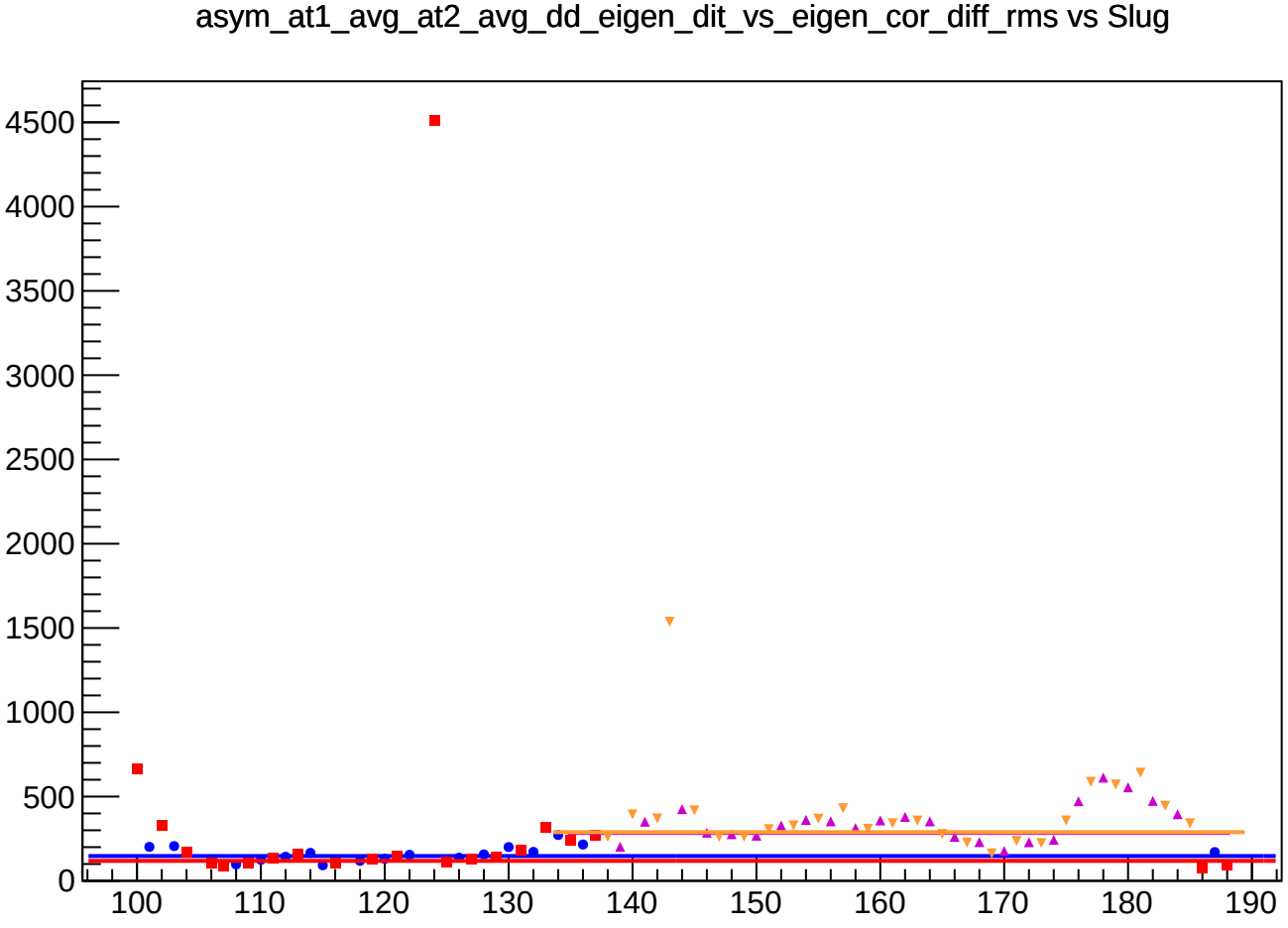
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.008+/-0.029 χ^2/NDF: 93.9/85

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

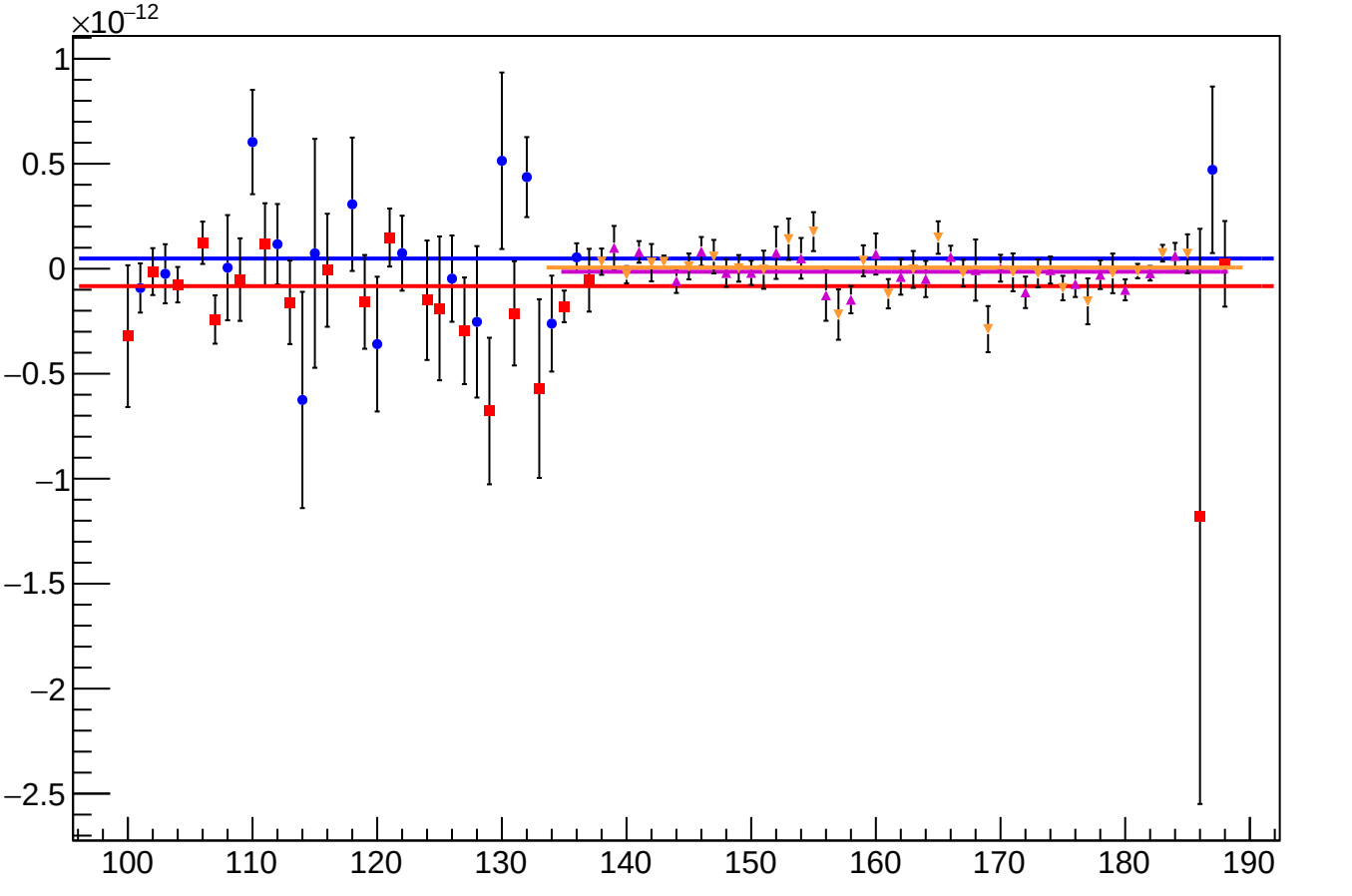
Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.924+/-0.031 χ^2/NDF: 10482932.7/41

All: 181.690+/-0.020 χ^2/NDF: 24364000.7/85

- sign 166.356+/-0.027 χ^2/NDF: 13096958.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

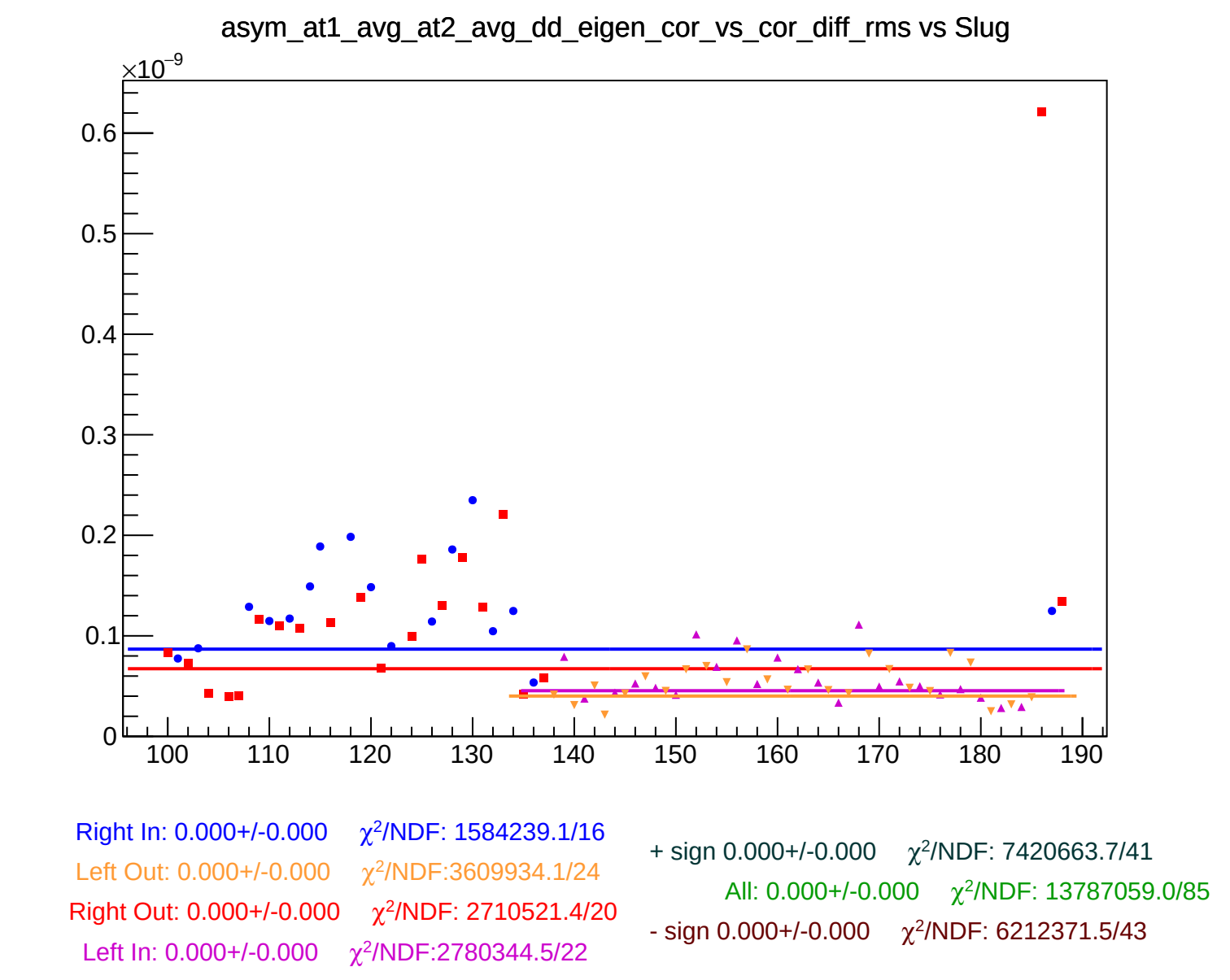
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/20

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

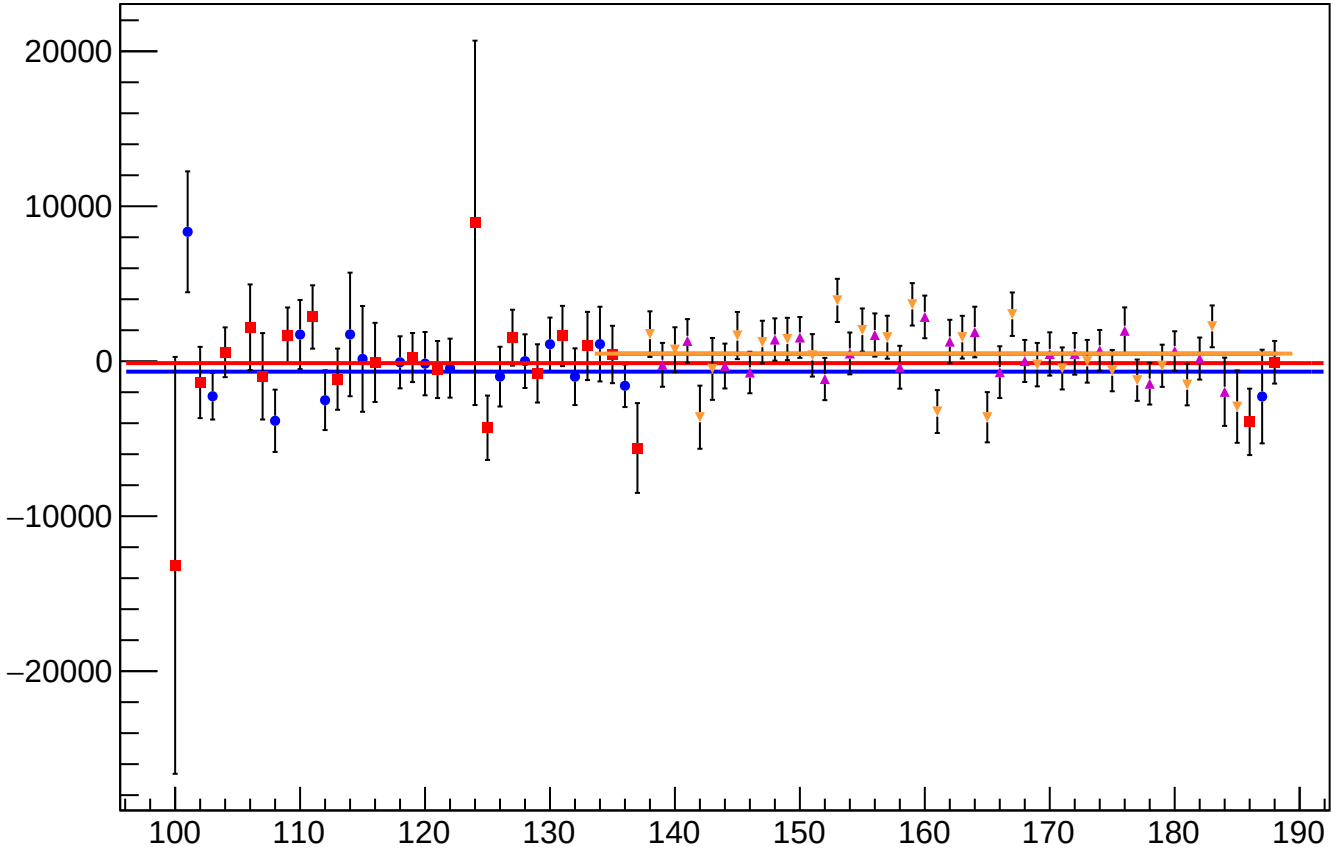
+ sign 0.000+/-0.000 χ^2/NDF: 55.2/41

All: -0.000+/-0.000 χ^2/NDF: 104.7/85

- sign -0.000+/-0.000 χ^2/NDF: 45.9/43


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1584239.1/16
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 2710521.4/20
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 7420663.7/41
All: 0.000+/-0.000 χ²/NDF: 13787059.0/85
- sign 0.000+/-0.000 χ²/NDF: 6212371.5/43

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -673.024+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -121.728+/-449.522 χ^2/NDF: 19.2/20

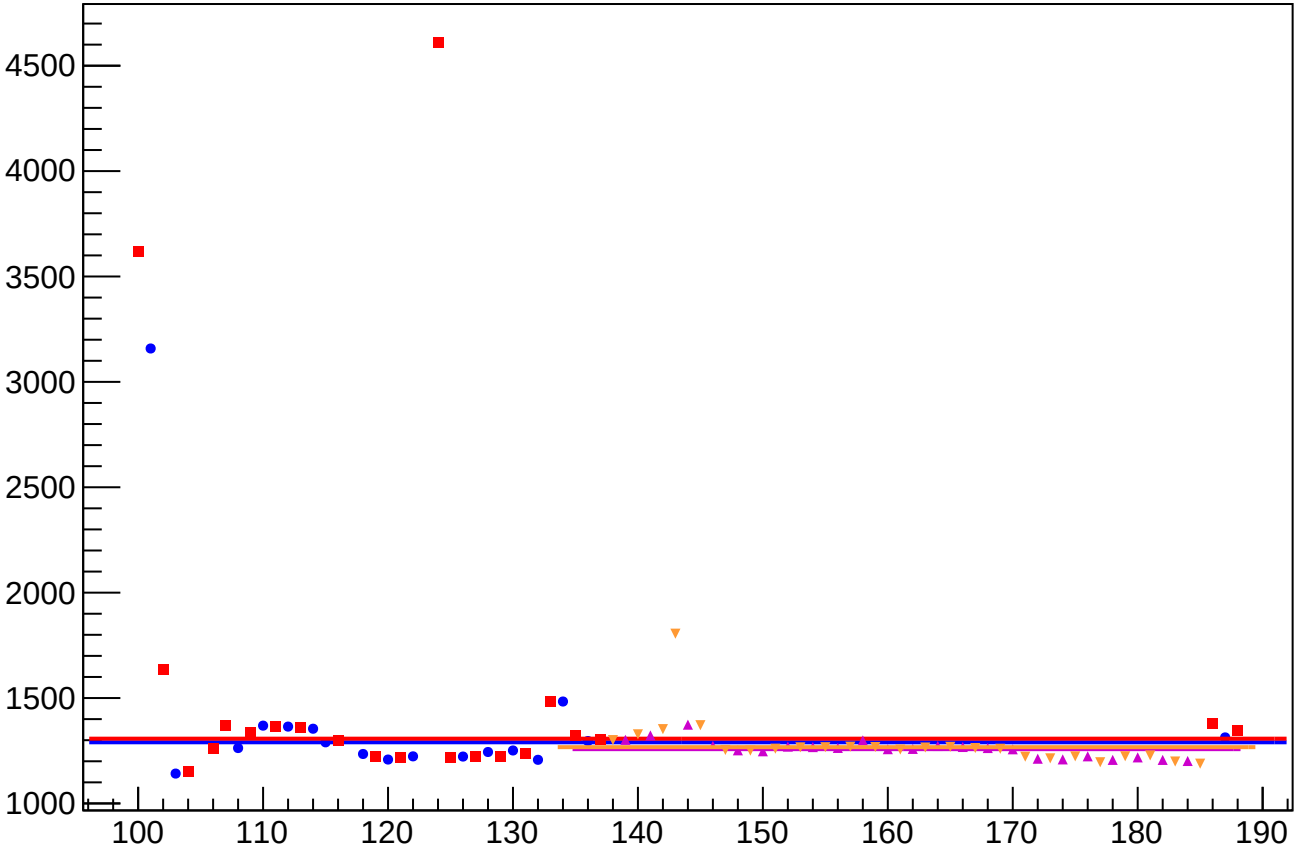
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 185.134+/-247.596 χ^2/NDF: 65.4/41

All: 245.325+/-174.479 χ^2/NDF: 100.4/85

- sign 304.701+/-245.913 χ^2/NDF: 34.9/43

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514795.6/16

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

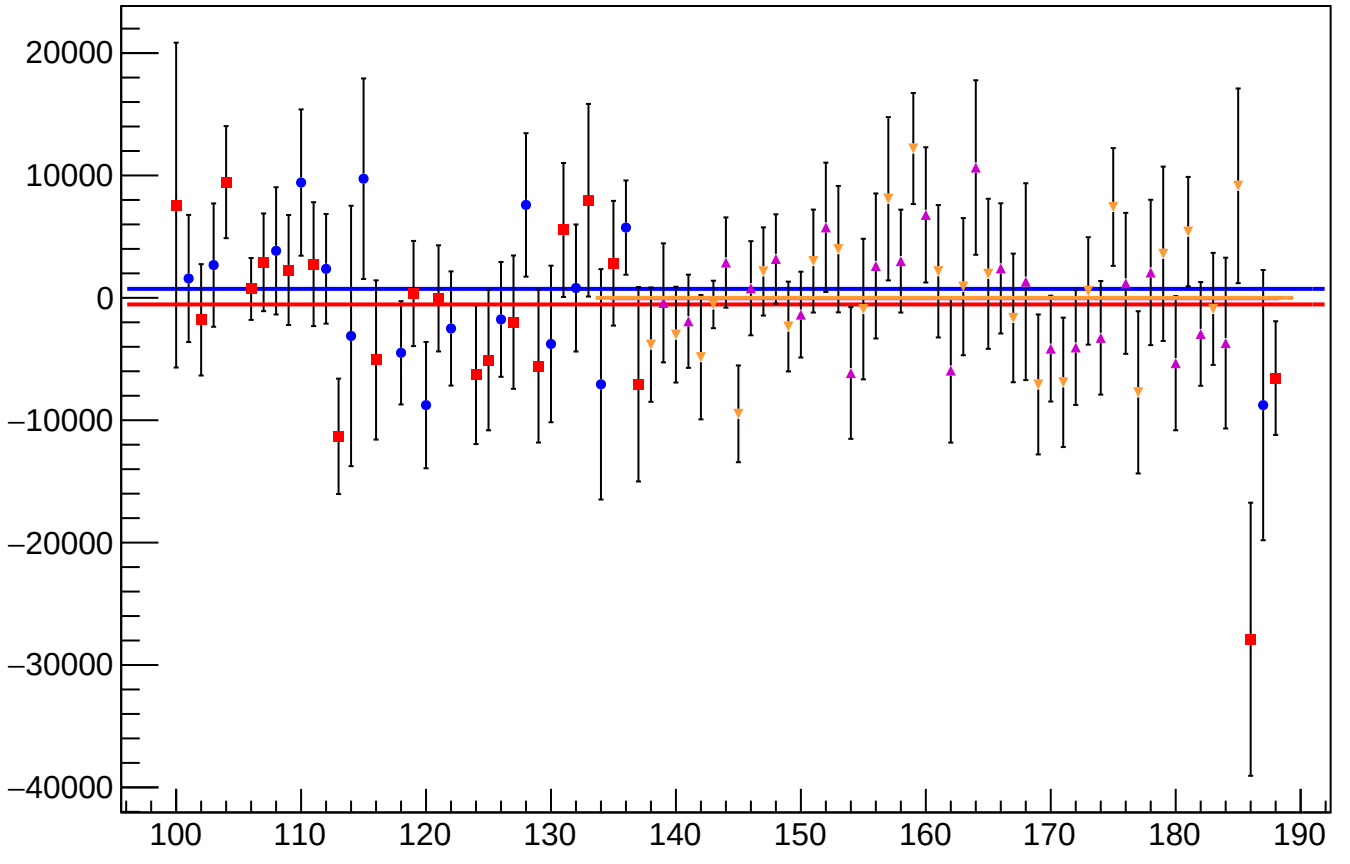
Right Out: 1307.259+/-0.317 χ^2/NDF: 323856.3/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705720.4/41

All: 1272.762+/-0.123 χ^2/NDF: 1083588.9/85

- sign 1272.474+/-0.174 χ^2/NDF: 377863.0/43



Right In: 733.408+/-1315.832 χ^2/NDF: 14.8/16

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

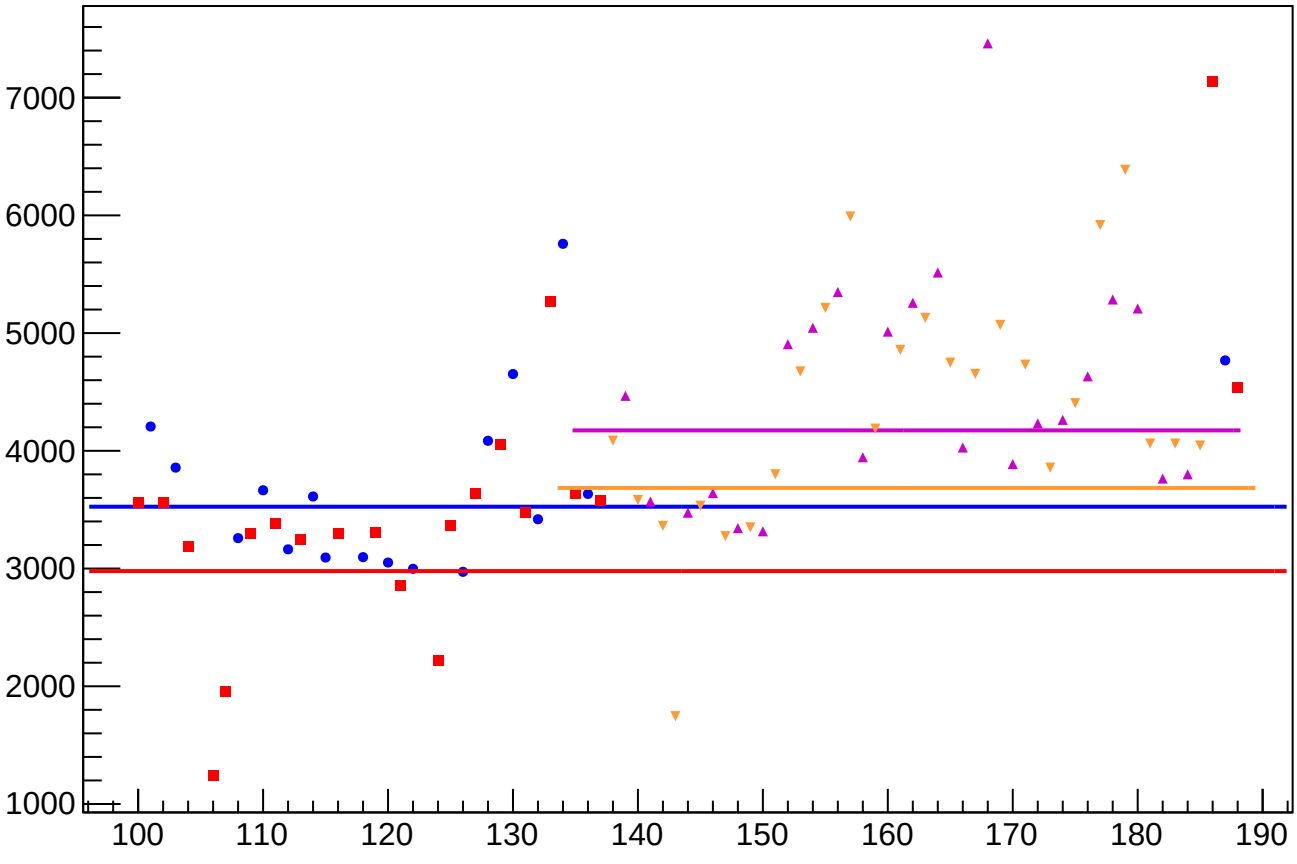
Right Out: -538.329+/-1075.559 χ^2/NDF: 26.4/20

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 228.545+/-735.204 χ^2/NDF: 44.0/41

All: -19.984+/-518.207 χ^2/NDF: 84.8/85

- sign -265.363+/-730.530 χ^2/NDF: 40.5/43



Right In: 3525.301+/-0.930 χ^2/NDF: 379677.5/16

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2978.438+/-0.761 χ^2/NDF: 2031137.2/20

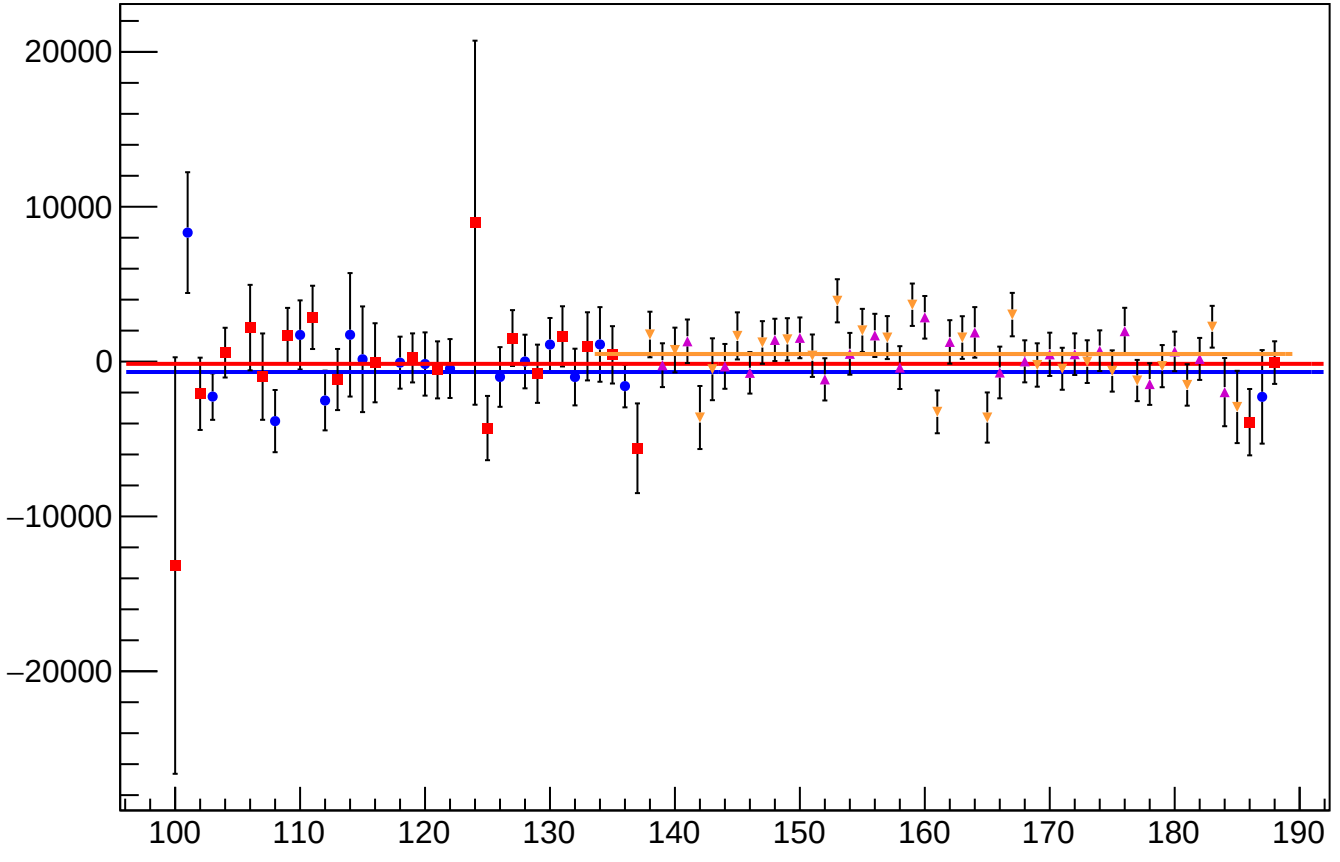
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3634.985+/-0.520 χ^2/NDF: 4093528.4/41

All: 3628.560+/-0.366 χ^2/NDF: 8730114.9/85

- sign 3622.217+/-0.517 χ^2/NDF: 4636283.0/43

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -146.579+/-449.775 χ^2/NDF: 19.6/20

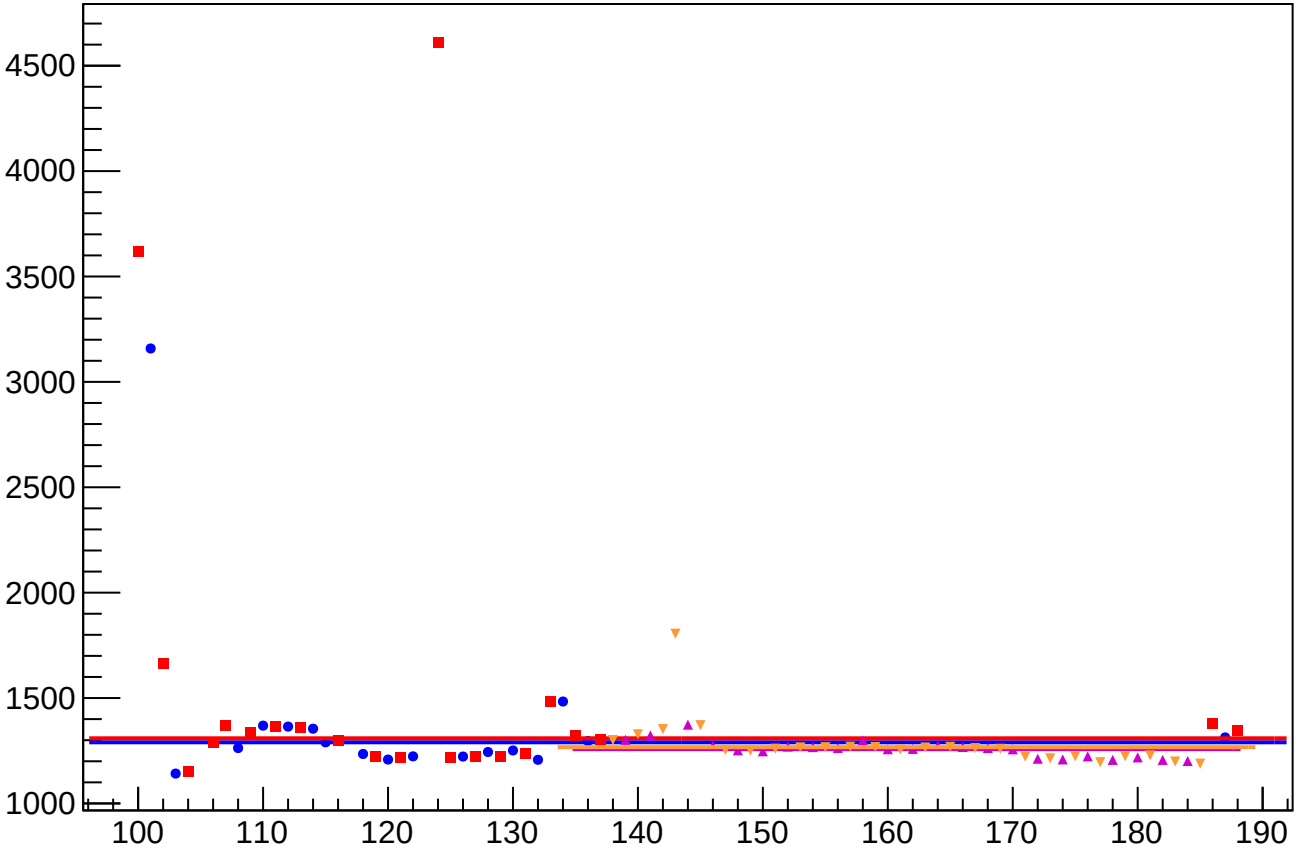
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 185.046+/-247.596 χ^2/NDF: 65.4/41

All: 241.568+/-174.493 χ^2/NDF: 100.8/85

- sign 297.343+/-245.954 χ^2/NDF: 35.4/43

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

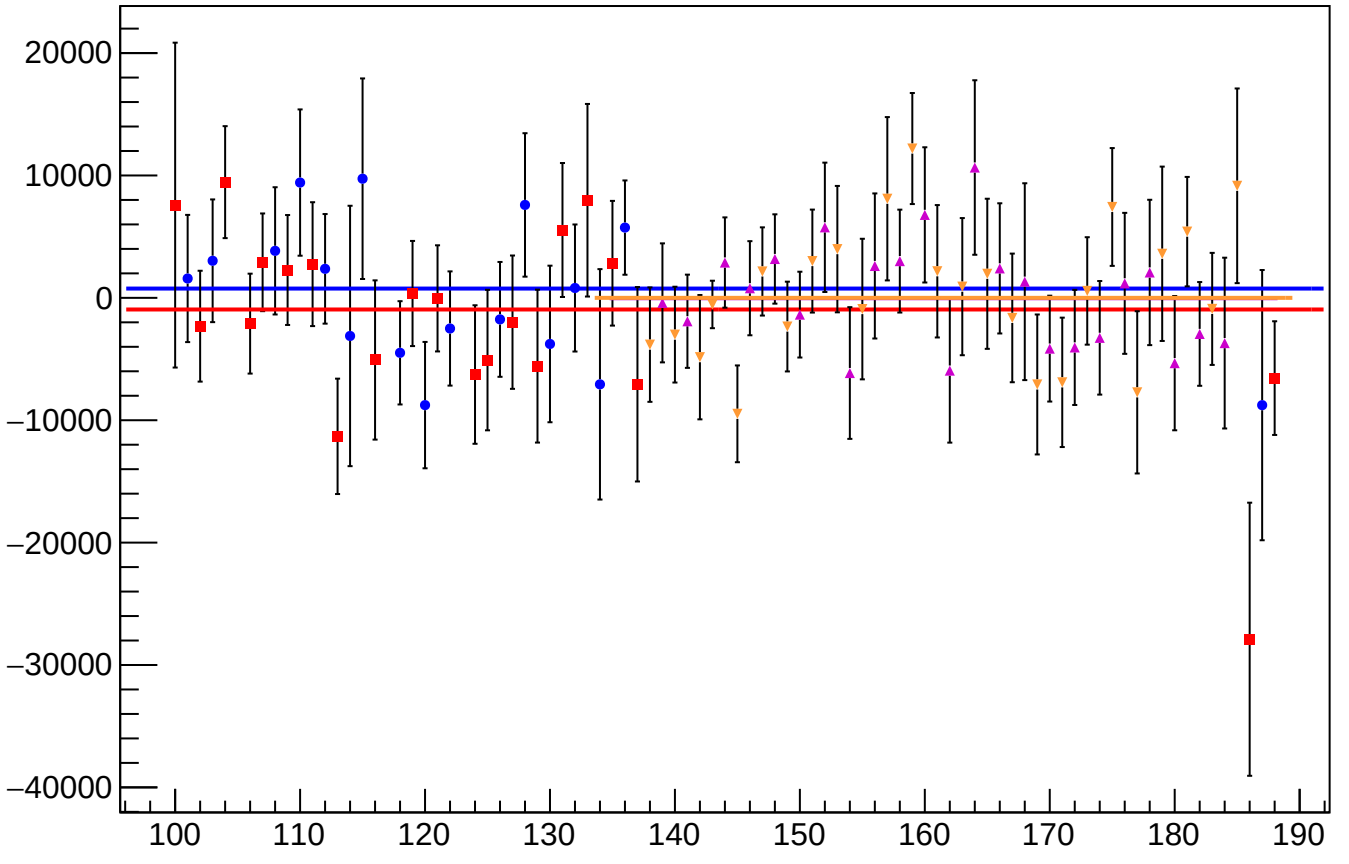
Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705721.8/41

All: 1273.012+/-0.123 χ^2/NDF: 1091022.6/85

- sign 1272.971+/-0.174 χ^2/NDF: 385300.7/43



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

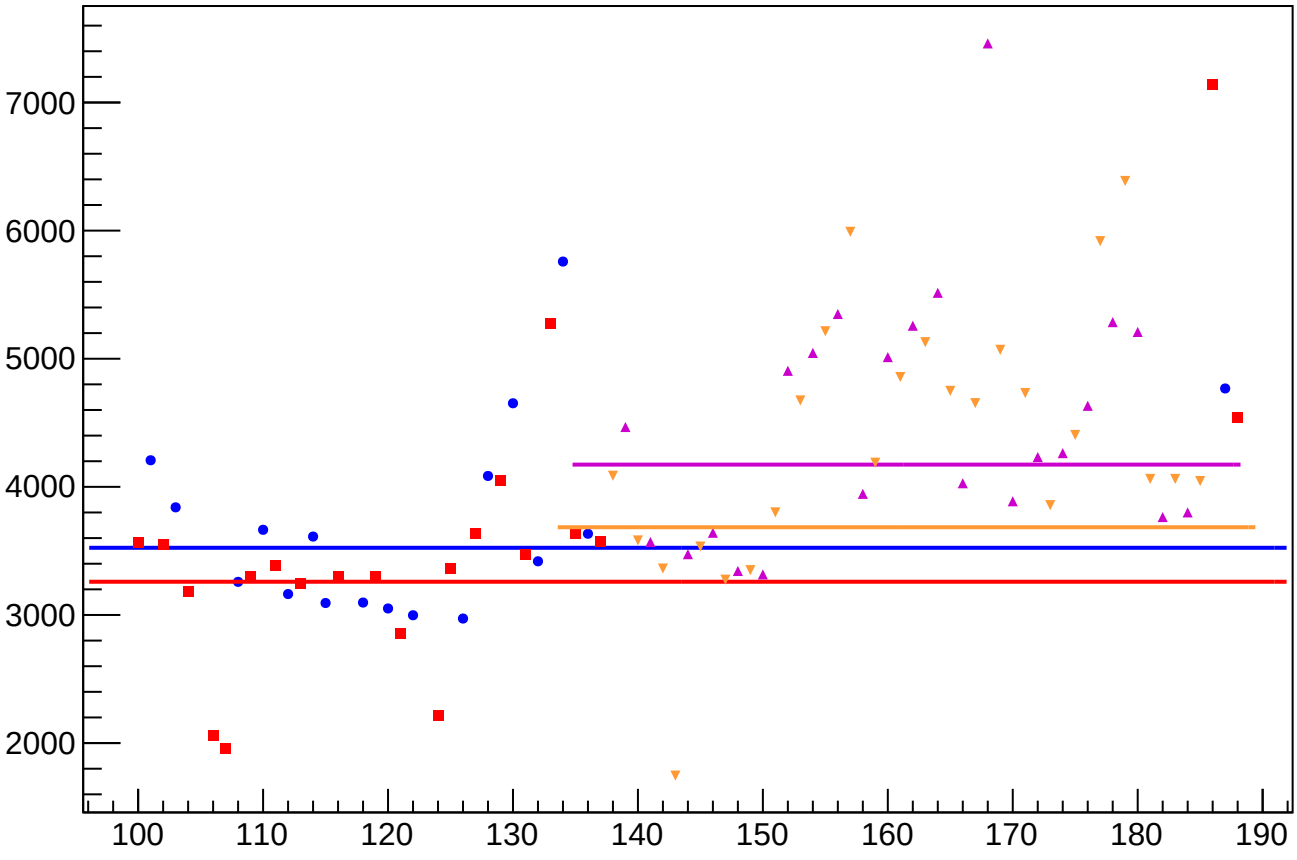
Right Out: -950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 236.645+/-735.126 χ^2/NDF: 44.1/41

All: -89.521+/-524.970 χ^2/NDF: 85.2/85

- sign -428.959+/-749.934 χ^2/NDF: 40.6/43



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

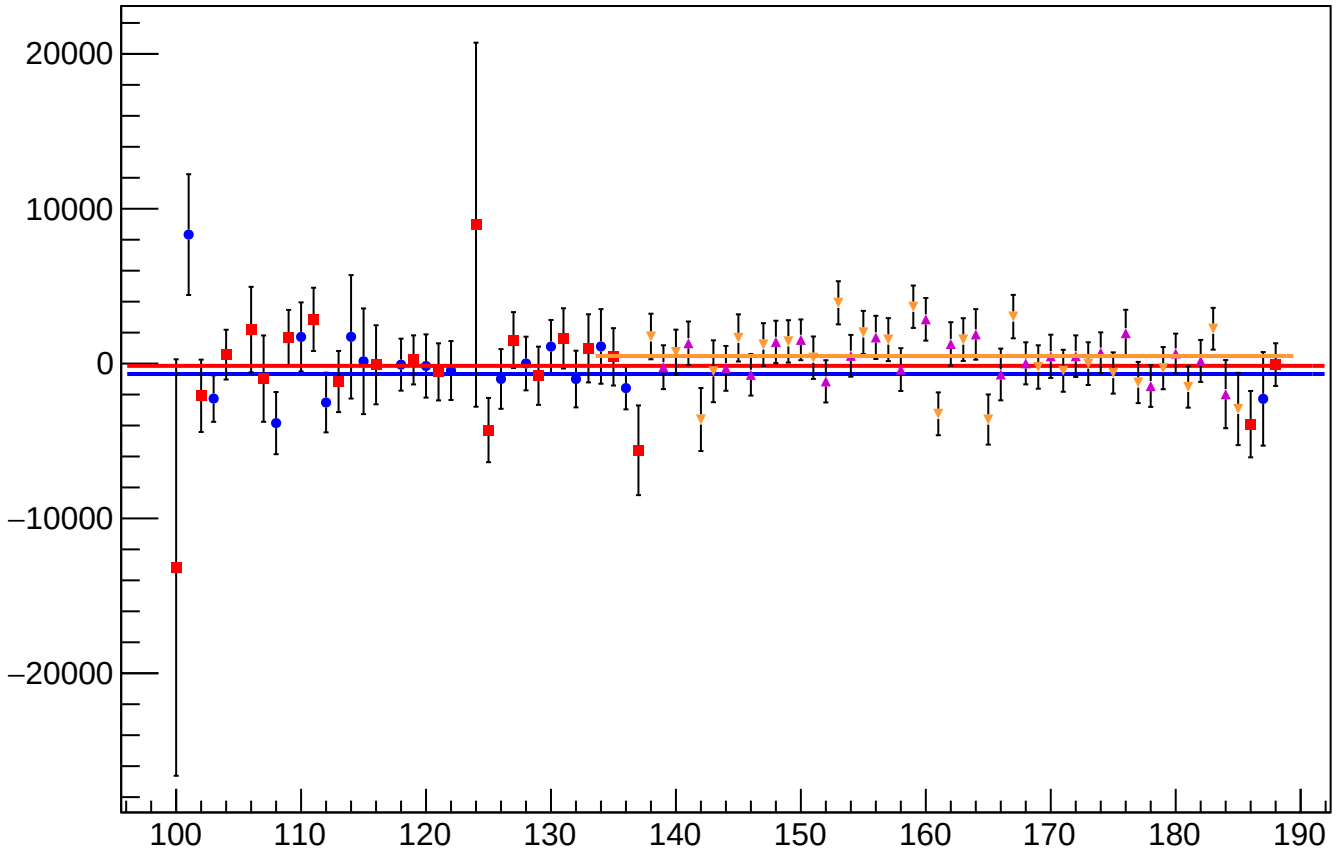
Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3634.672+/-0.520 χ^2/NDF: 4093105.6/41

All: 3705.053+/-0.371 χ^2/NDF: 7201366.5/85

- sign 3778.298+/-0.530 χ^2/NDF: 3070850.5/43



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -146.579+/-449.775 χ^2/NDF: 19.6/20

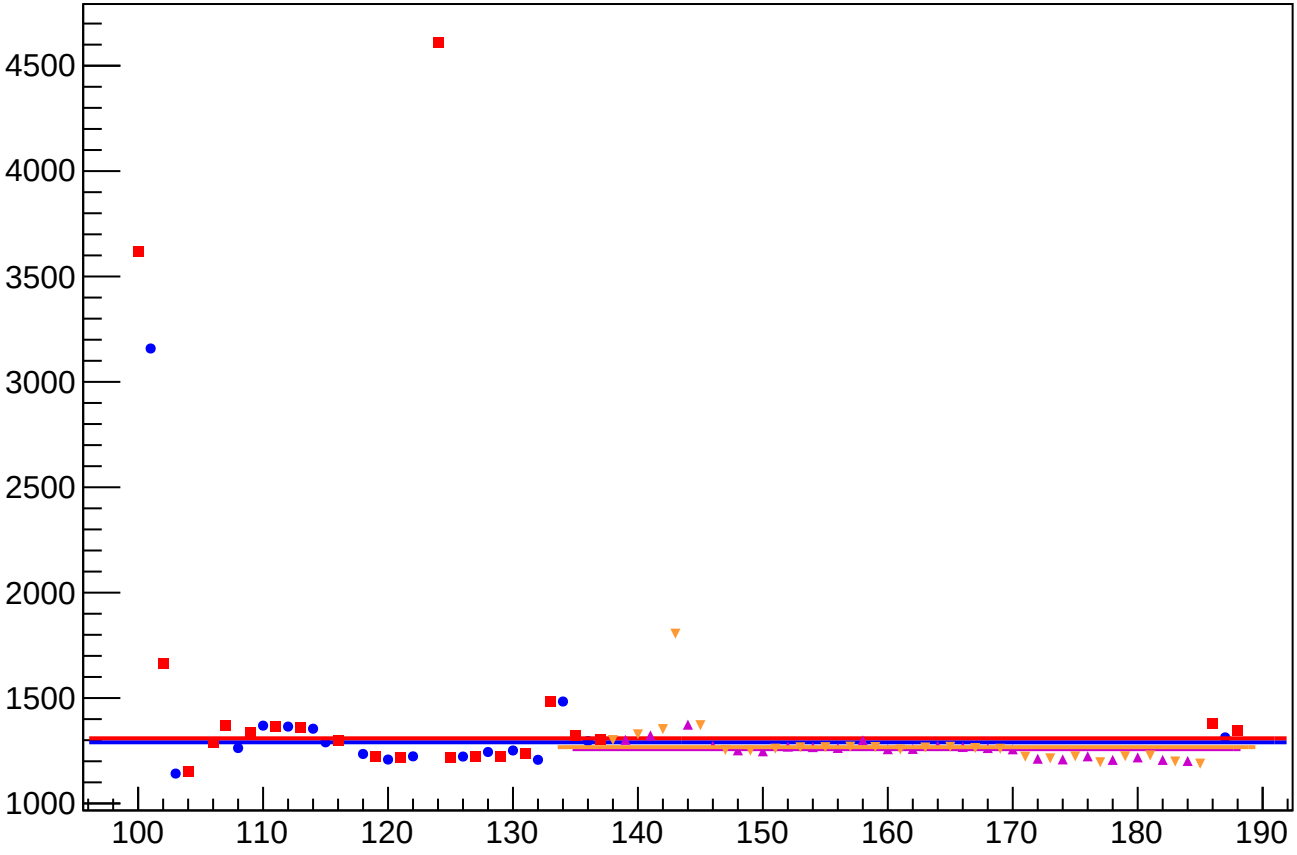
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 185.046+/-247.596 χ^2/NDF: 65.4/41

All: 241.568+/-174.493 χ^2/NDF: 100.8/85

- sign 297.343+/-245.954 χ^2/NDF: 35.4/43

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

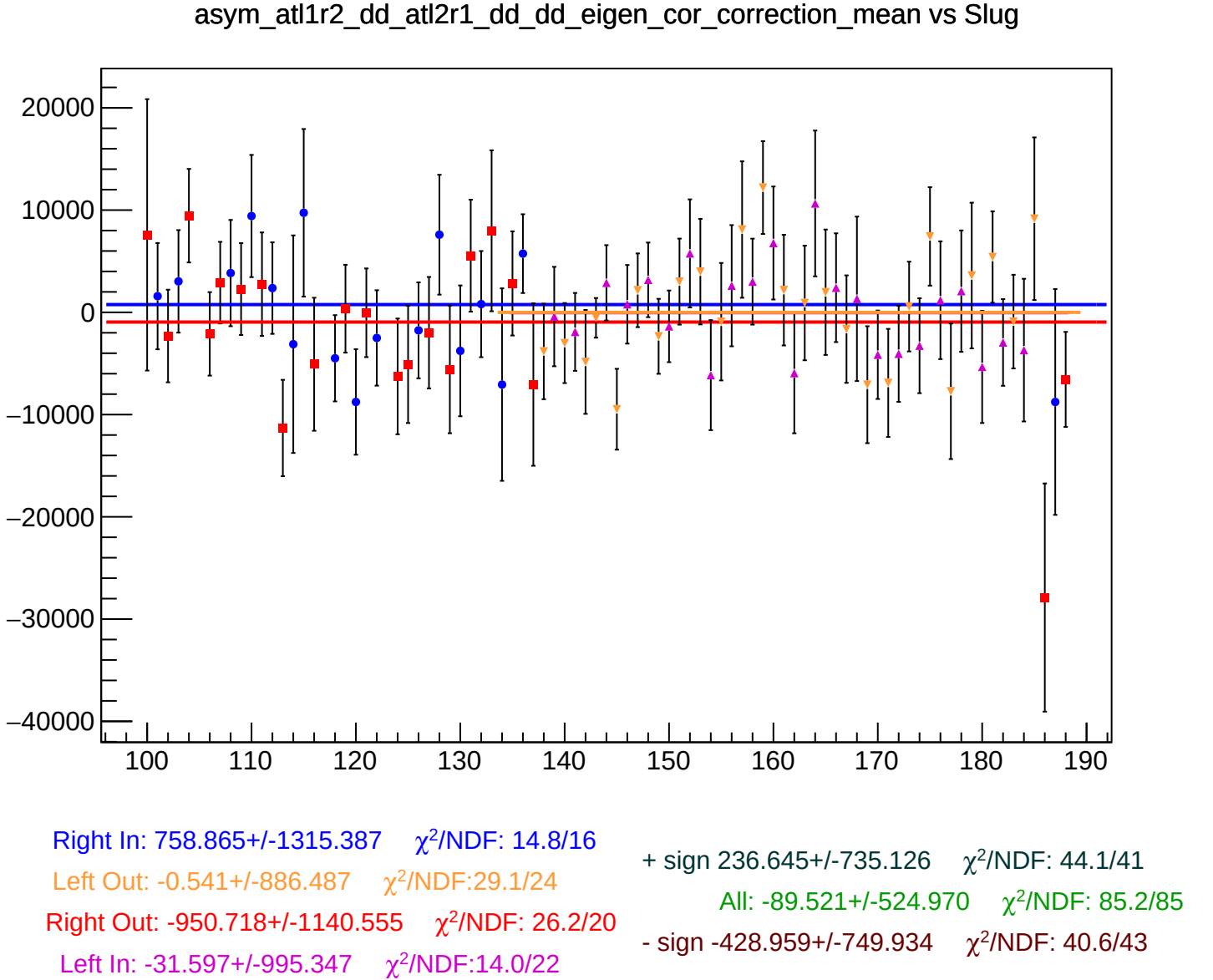
Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

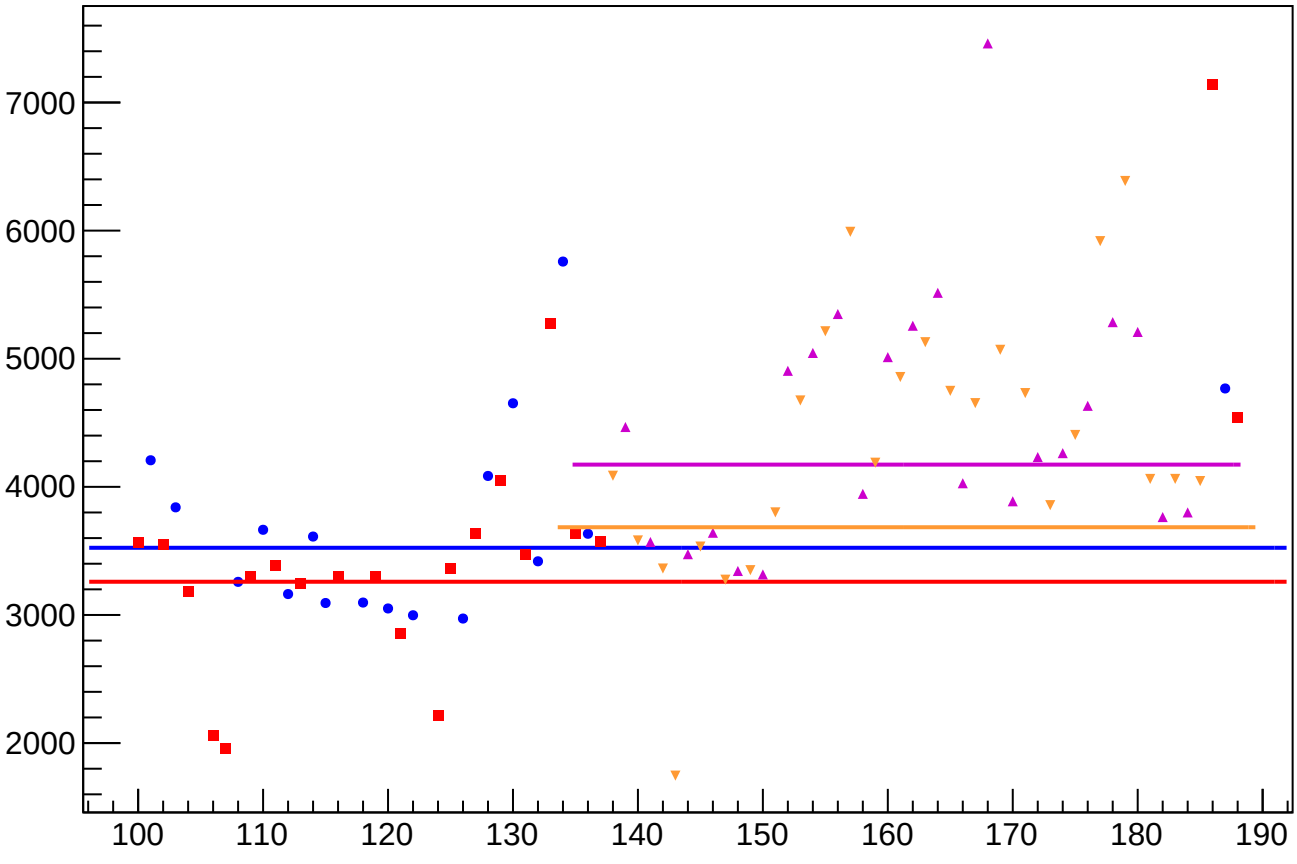
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705721.8/41

All: 1273.012+/-0.123 χ^2/NDF: 1091022.6/85

- sign 1272.971+/-0.174 χ^2/NDF: 385300.7/43


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 758.865+/-1315.387 χ²/NDF: 14.8/16
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -950.718+/-1140.555 χ²/NDF: 26.2/20
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 236.645+/-735.126 χ²/NDF: 44.1/41
All: -89.521+/-524.970 χ²/NDF: 85.2/85
- sign -428.959+/-749.934 χ²/NDF: 40.6/43



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

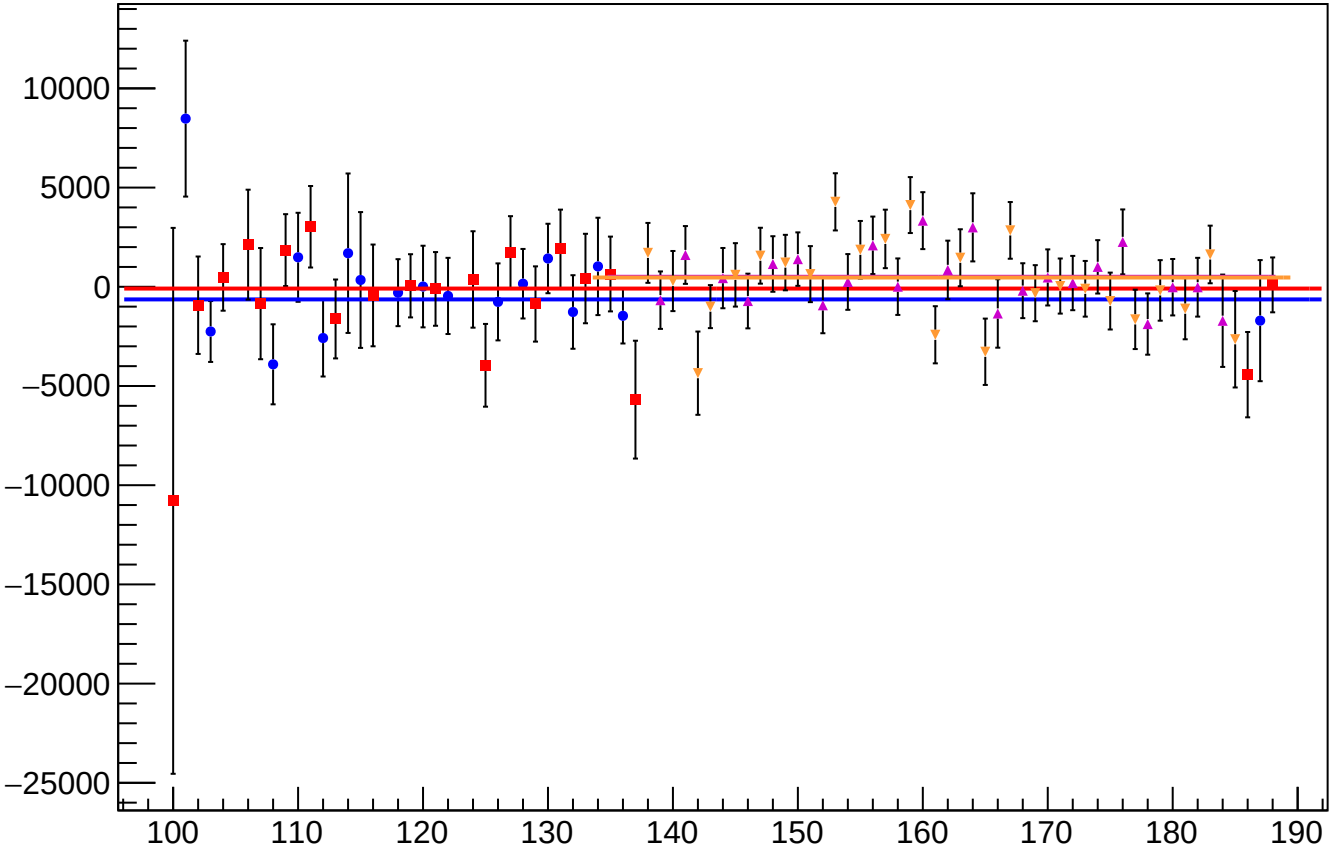
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3634.672+/-0.520 χ^2/NDF: 4093105.6/41

All: 3705.053+/-0.371 χ^2/NDF: 7201366.5/85

- sign 3778.298+/-0.530 χ^2/NDF: 3070850.5/43

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -635.897+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -89.620+/-448.080 χ^2/NDF: 19.1/20

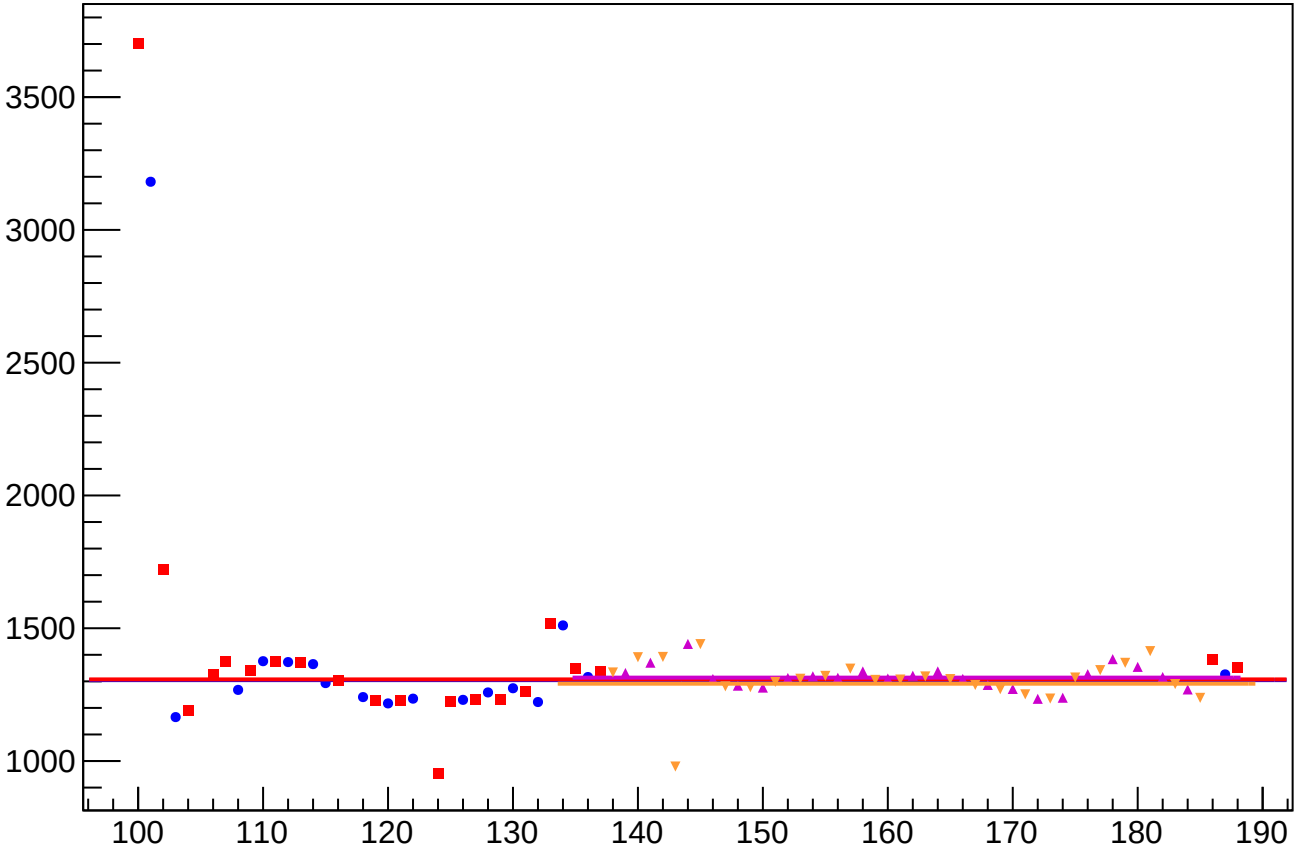
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 173.449+/-251.967 χ^2/NDF: 62.1/41

All: 243.363+/-178.633 χ^2/NDF: 100.0/85

- sign 314.014+/-253.290 χ^2/NDF: 37.7/43

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.0/16

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

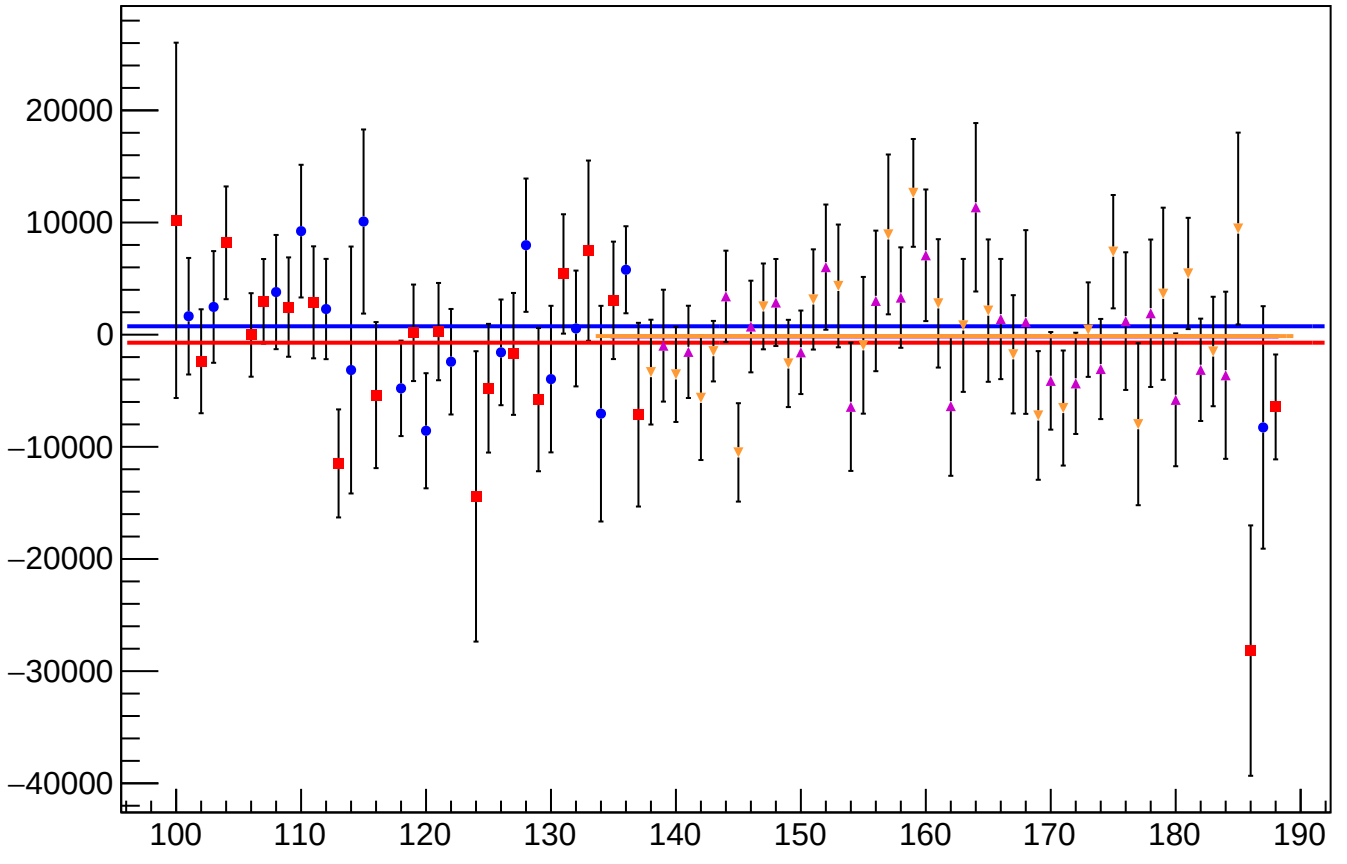
Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.3/20

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.801+/-0.178 χ^2/NDF: 742543.2/41

All: 1303.292+/-0.126 χ^2/NDF: 1009039.5/85

- sign 1311.869+/-0.179 χ^2/NDF: 261931.0/43



Right In: 748.094+/-1317.505 χ^2/NDF: 14.8/16

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

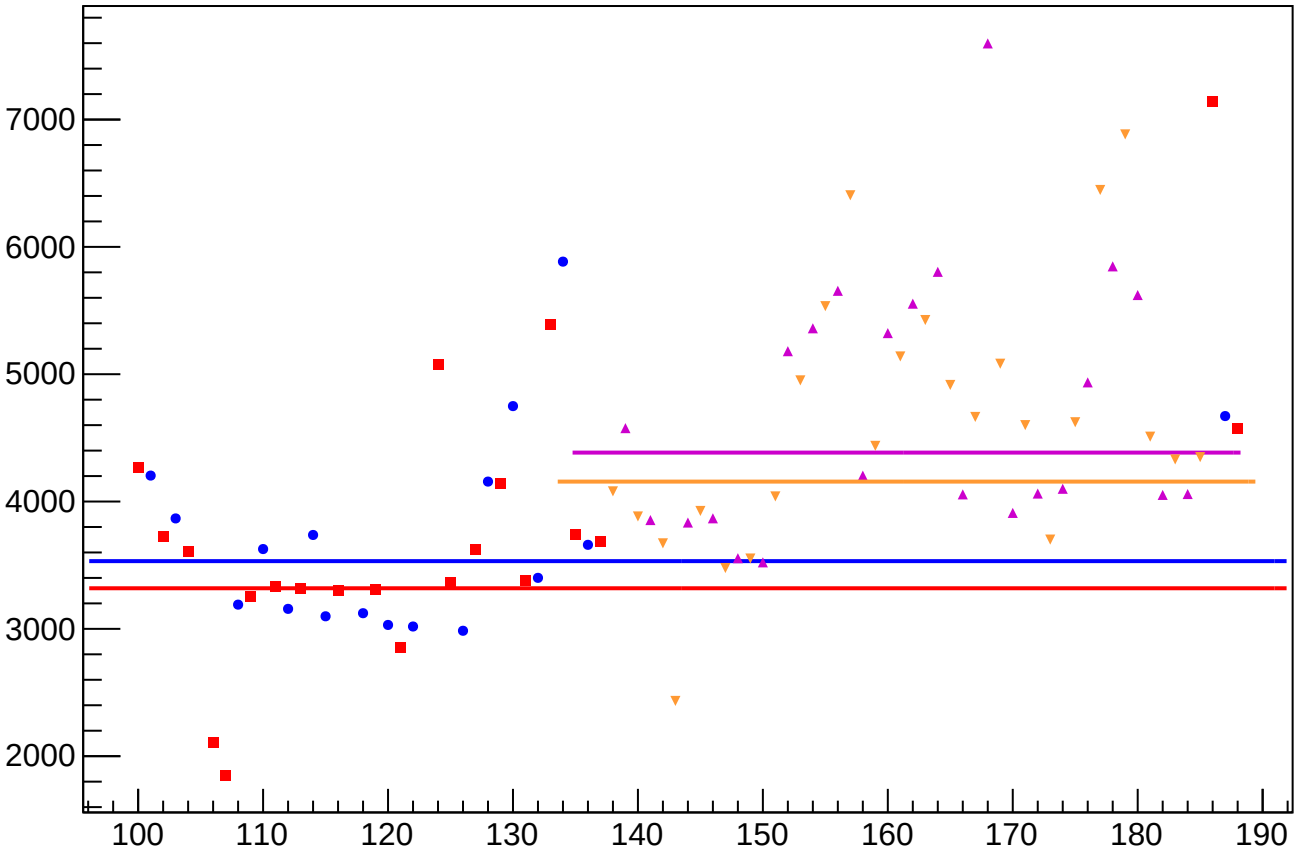
Right Out: -715.172+/-1156.094 χ^2/NDF: 24.7/20

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 183.400+/-784.890 χ^2/NDF: 43.7/41

All: -116.624+/-551.631 χ^2/NDF: 82.6/85

- sign -409.469+/-775.443 χ^2/NDF: 38.6/43



Right In: 3531.921+/-0.932 χ^2/NDF: 397625.9/16

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3318.797+/-0.817 χ^2/NDF: 1172344.7/20

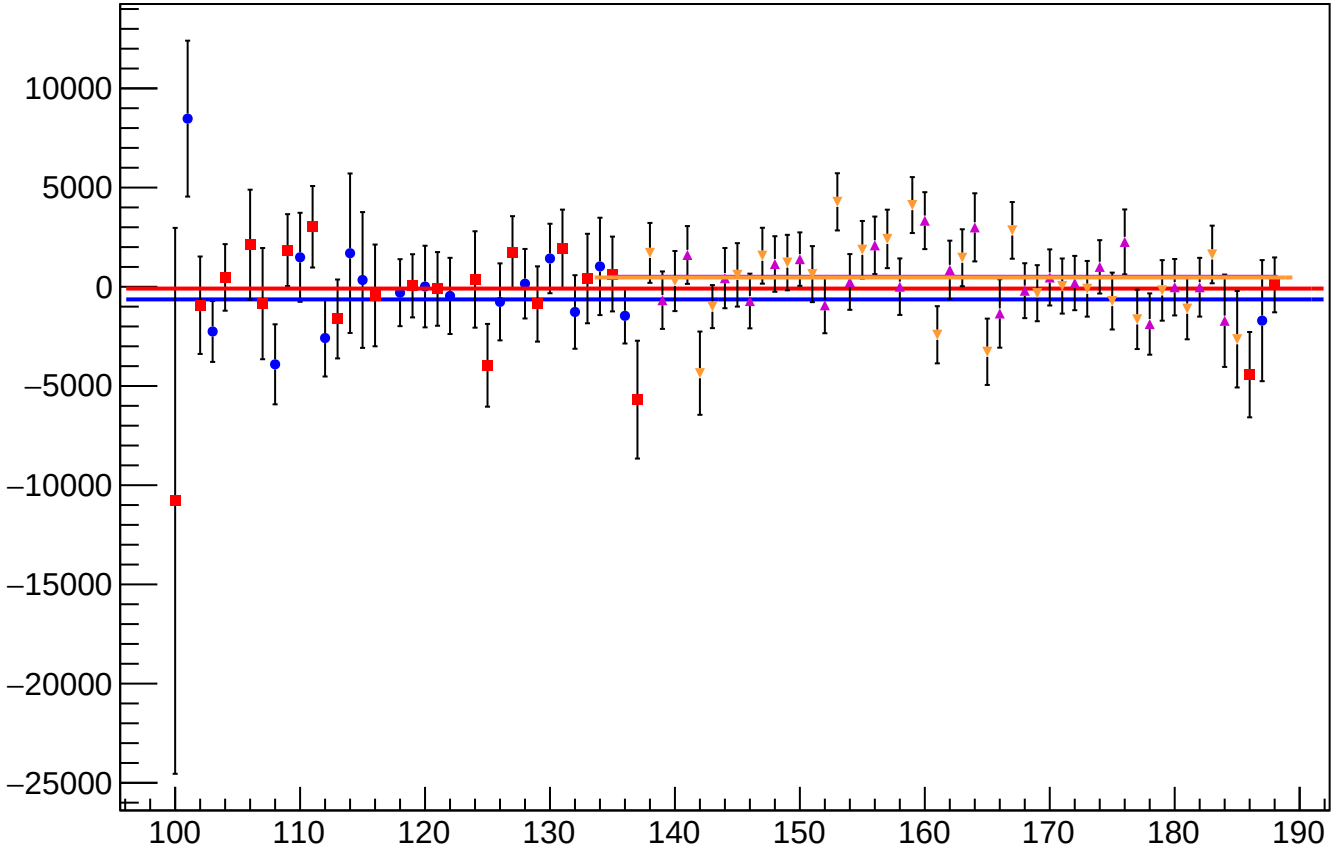
Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3934.886+/-0.555 χ^2/NDF: 2768417.6/41

All: 3919.735+/-0.390 χ^2/NDF: 6132282.9/85

- sign 3904.946+/-0.548 χ^2/NDF: 3362392.6/43

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -635.901+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -89.613+/-448.080 χ^2/NDF: 19.1/20

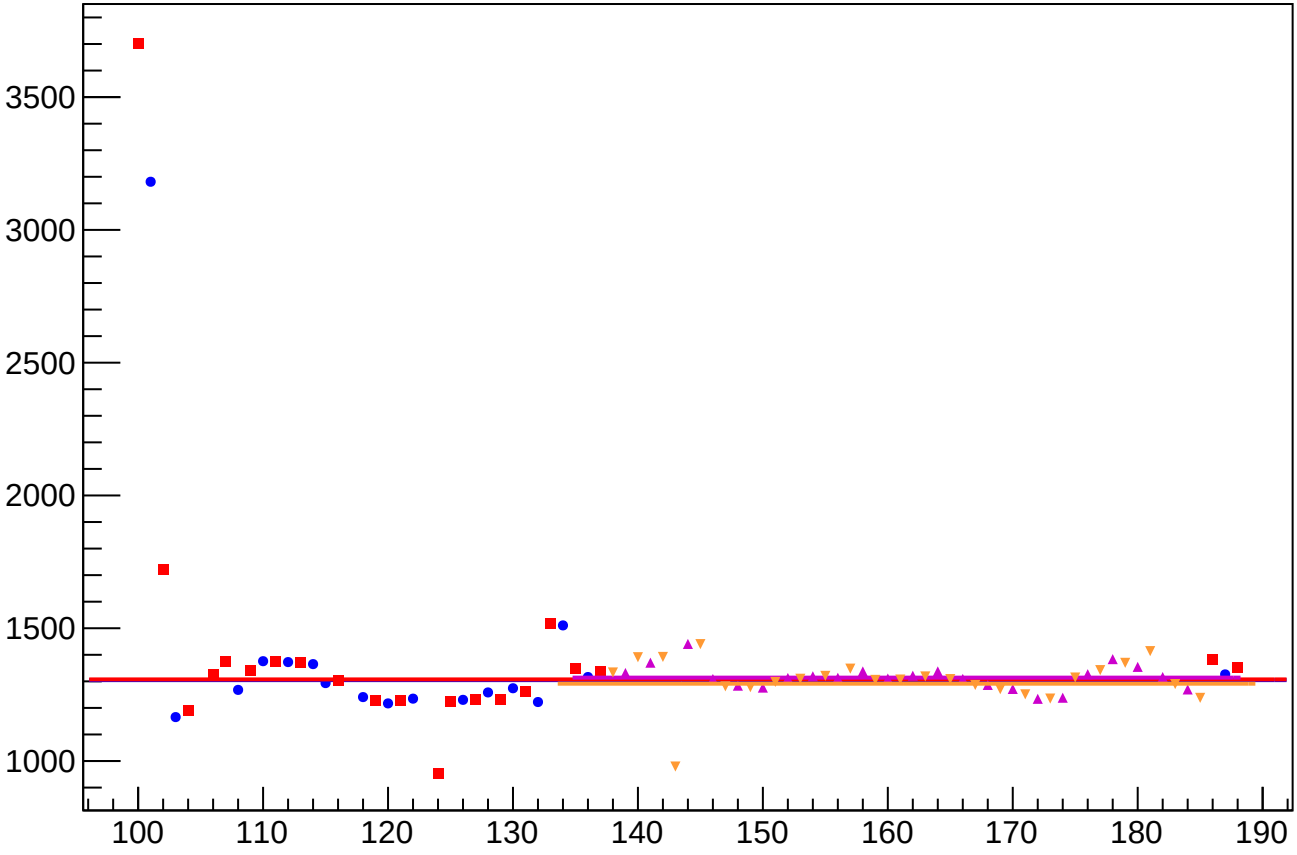
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 173.450+/-251.967 χ^2/NDF: 62.1/41

All: 243.365+/-178.634 χ^2/NDF: 100.0/85

- sign 314.016+/-253.290 χ^2/NDF: 37.7/43

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.2/16

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

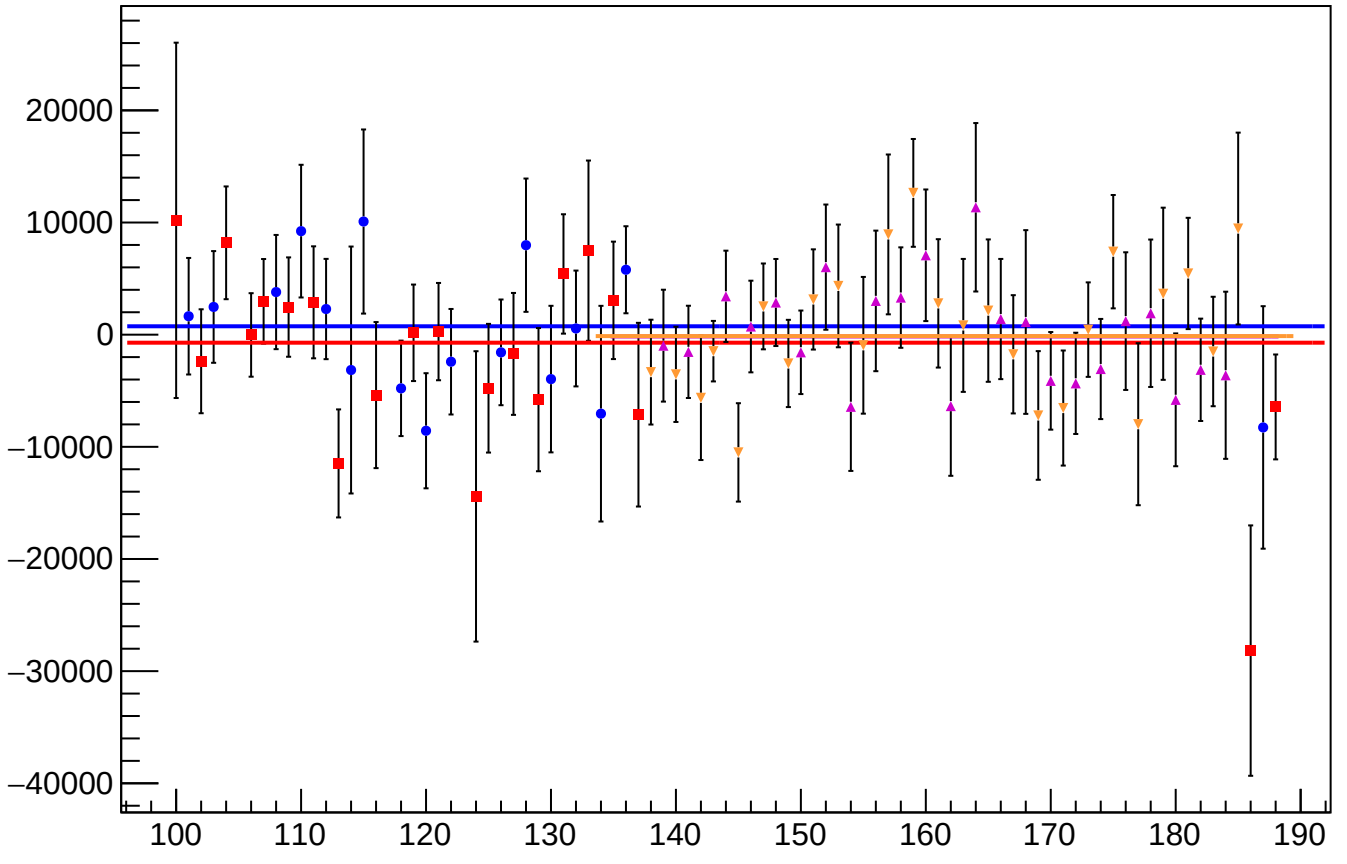
Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.4/20

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.802+/-0.178 χ^2/NDF: 742545.6/41

All: 1303.293+/-0.126 χ^2/NDF: 1009044.2/85

- sign 1311.870+/-0.179 χ^2/NDF: 261933.3/43



Right In: 748.085+/-1317.502 χ^2/NDF: 14.8/16

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

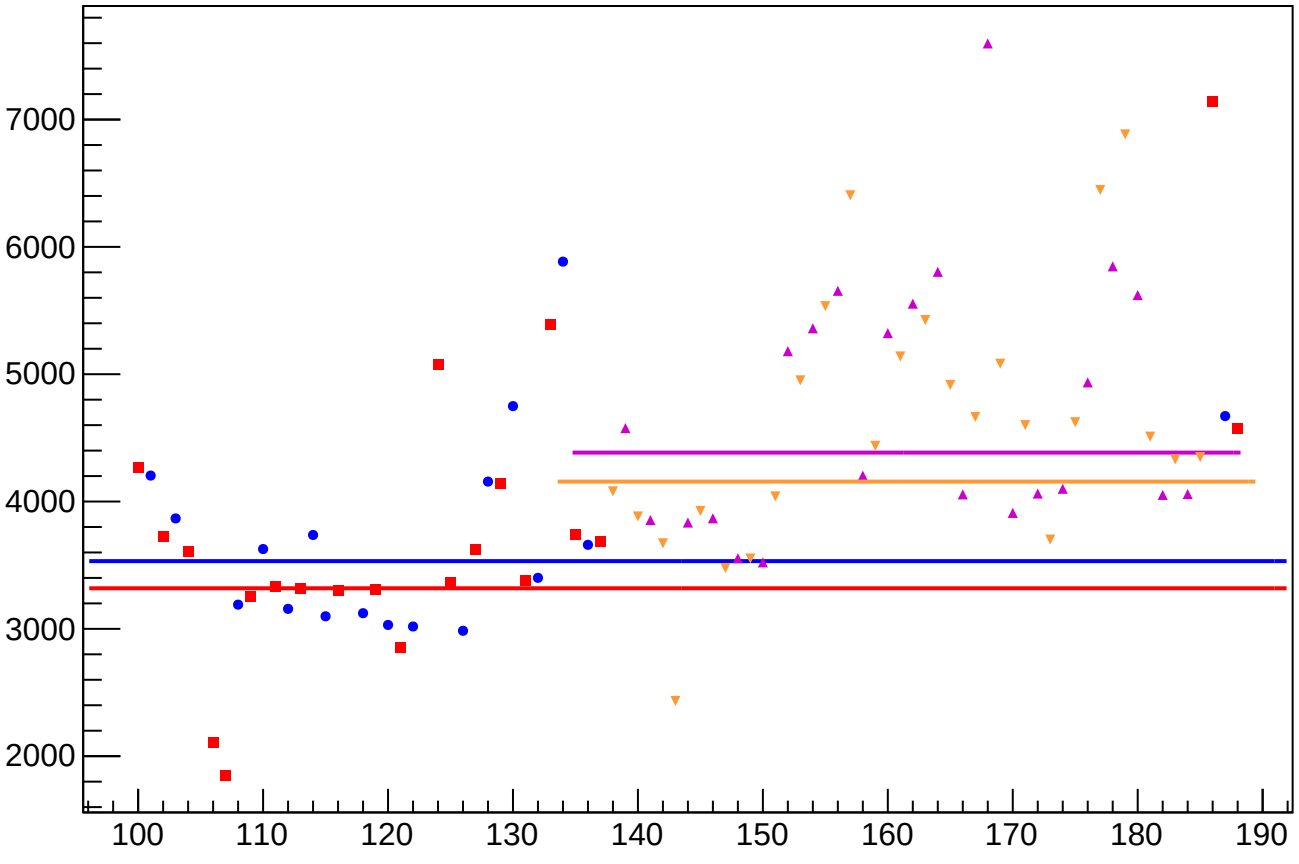
Right Out: -715.165+/-1156.092 χ^2/NDF: 24.7/20

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 183.399+/-784.890 χ^2/NDF: 43.7/41

All: -116.624+/-551.631 χ^2/NDF: 82.6/85

- sign -409.468+/-775.443 χ^2/NDF: 38.6/43



Right In: 3531.912+/-0.932 χ^2/NDF: 397630.7/16

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3318.790+/-0.817 χ^2/NDF: 1172350.5/20

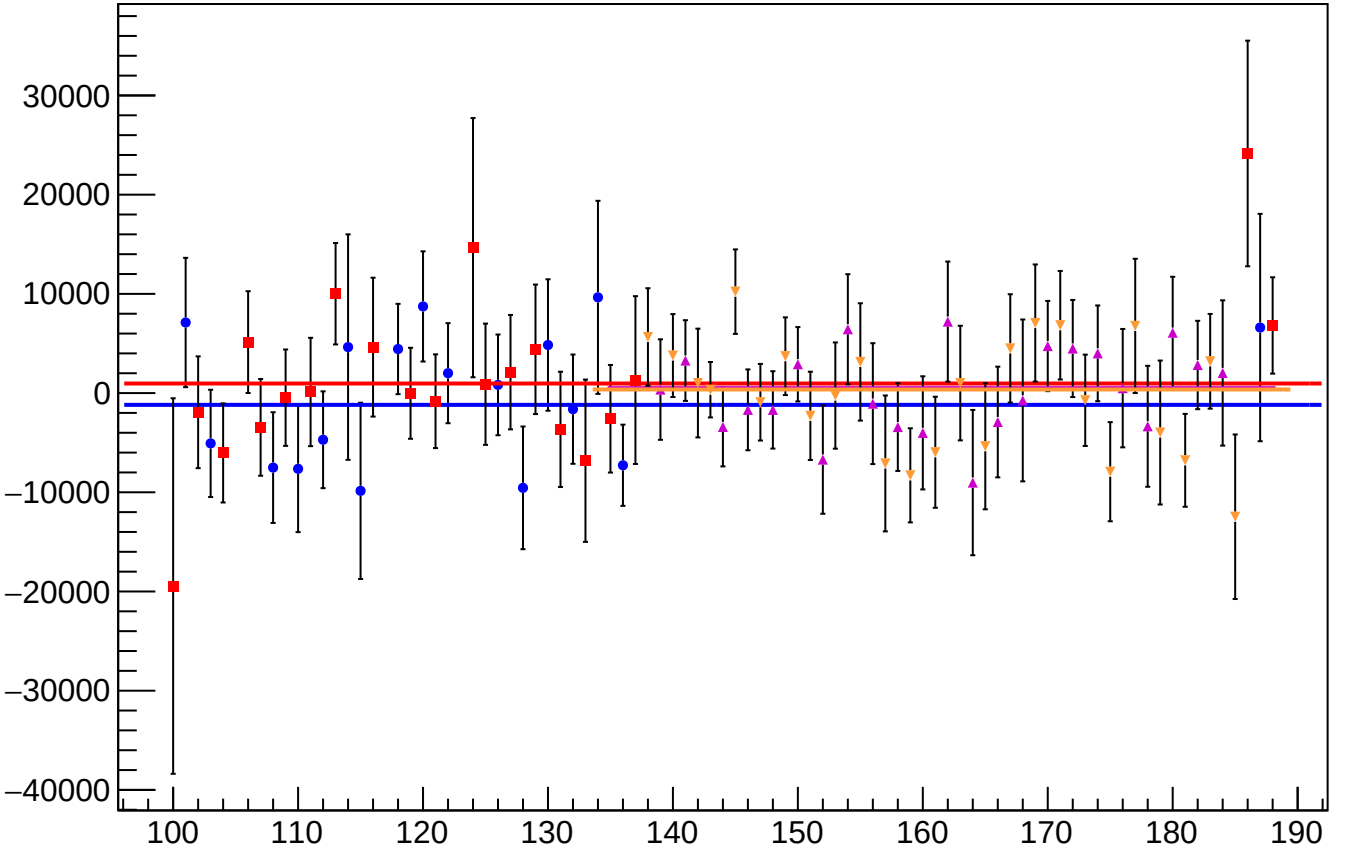
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3934.886+/-0.555 χ^2/NDF: 2768440.2/41

All: 3919.734+/-0.390 χ^2/NDF: 6132341.6/85

- sign 3904.944+/-0.548 χ^2/NDF: 3362428.5/43

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1187.710+/-1420.581 χ^2/NDF: 18.0/16

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 964.766+/-1280.004 χ^2/NDF: 17.6/20

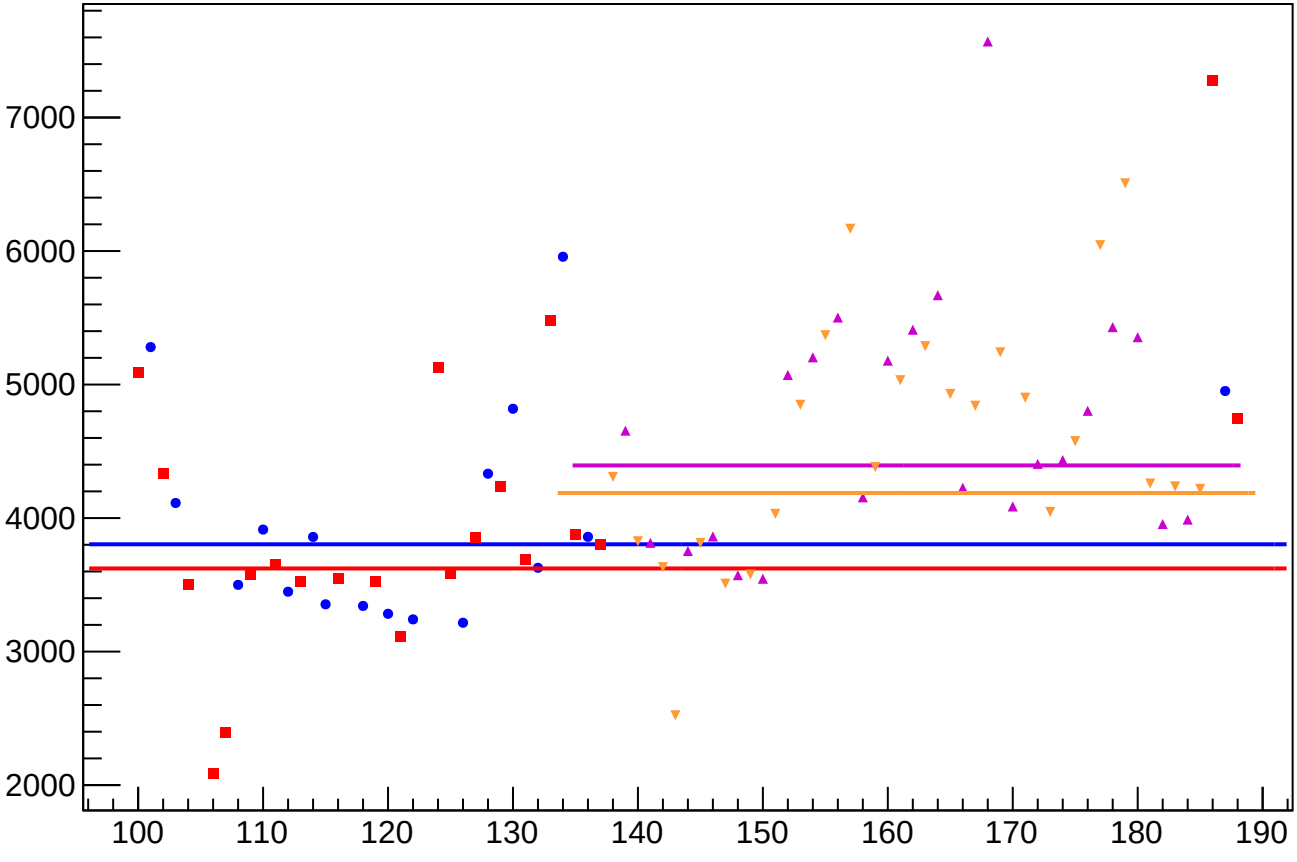
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign -137.249+/-806.594 χ^2/NDF: 46.5/41

All: 272.138+/-571.321 χ^2/NDF: 78.6/85

\- sign 684.331+/-809.354 χ^2/NDF: 31.6/43

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3803.689+/-1.004 χ^2/NDF: 403375.2/16

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

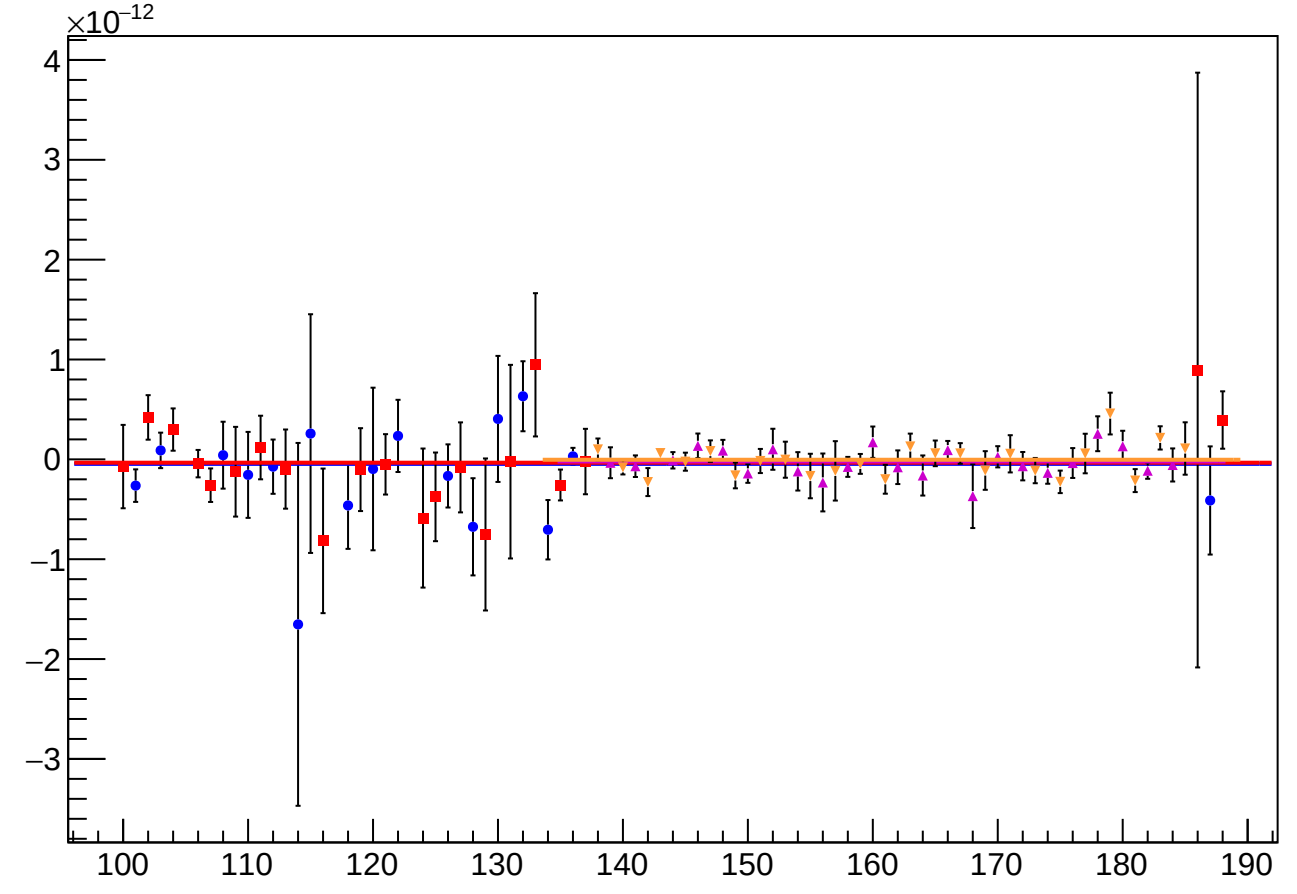
Right Out: 3622.693+/-0.894 χ^2/NDF: 921143.5/20

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

\+ sign 4063.999+/-0.570 χ^2/NDF: 2298828.4/41

All: 4072.581+/-0.403 χ^2/NDF: 4751669.3/85

\- sign 4081.135+/-0.569 χ^2/NDF: 2452388.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

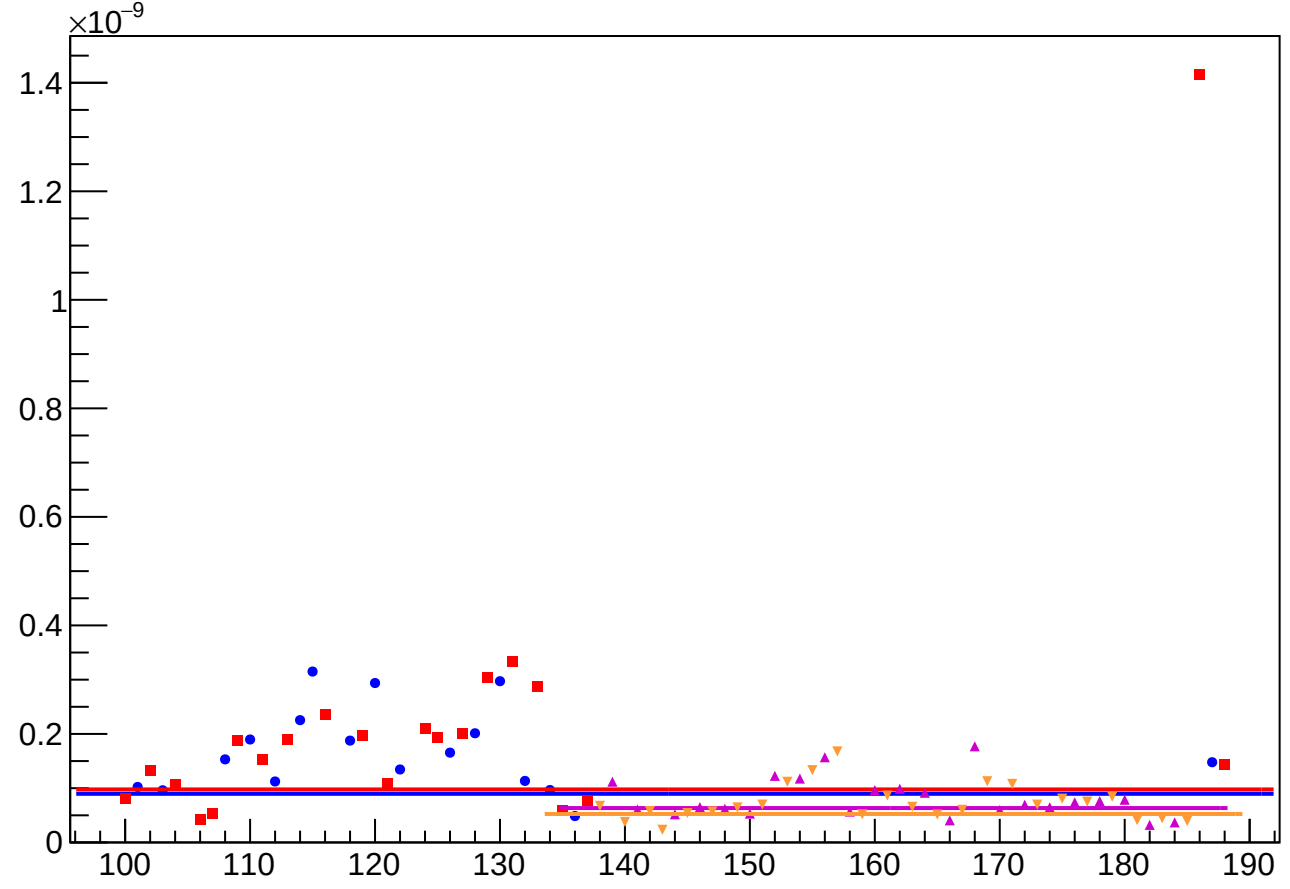
Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/20

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.0/41

All: -0.000+/-0.000 χ^2/NDF: 83.5/85

- sign -0.000+/-0.000 χ^2/NDF: 35.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1484054.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

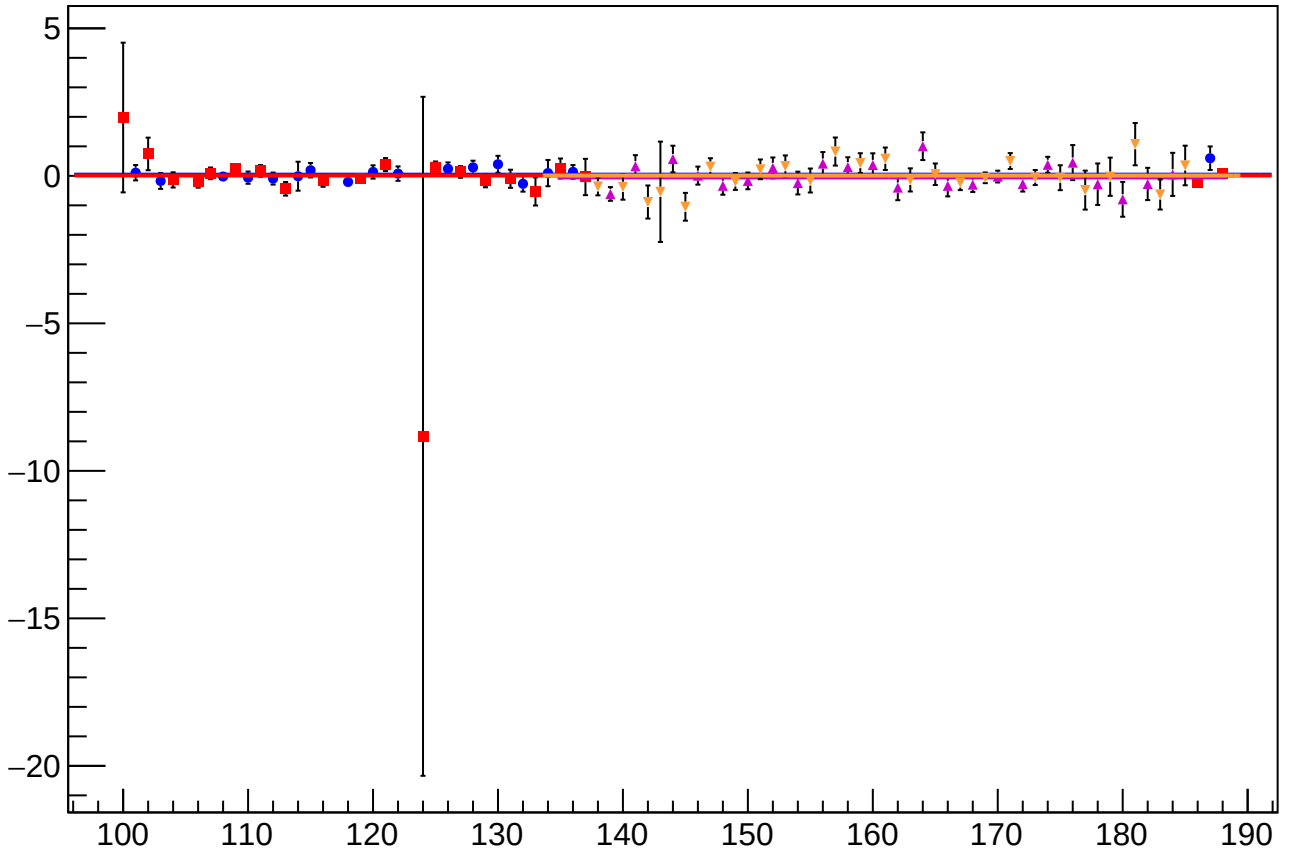
Right Out: 0.000+/-0.000 χ^2/NDF: 2182752.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4815395.8/41

All: 0.000+/-0.000 χ^2/NDF: 9555638.4/85

- sign 0.000+/-0.000 χ^2/NDF: 4485941.2/43



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

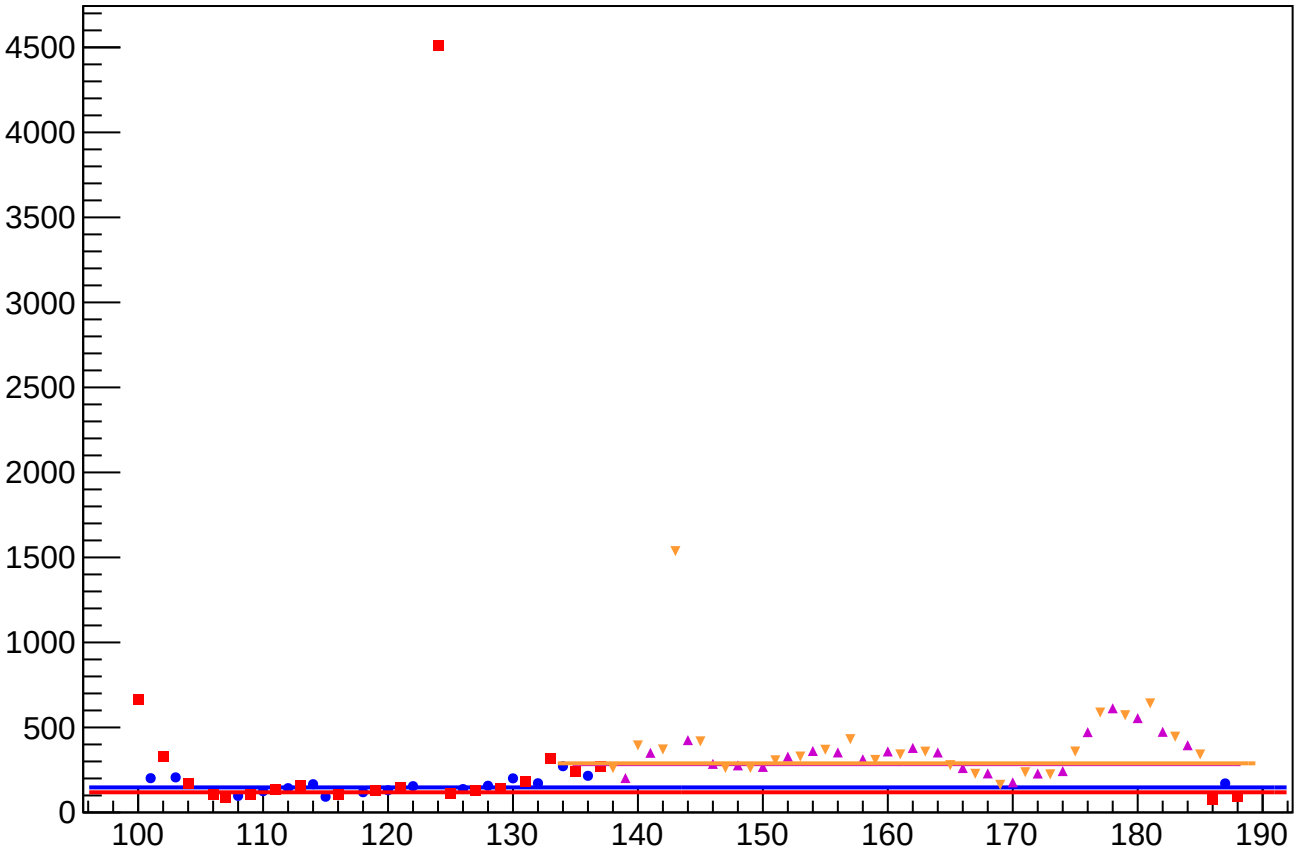
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.008+/-0.029 χ^2/NDF: 93.9/85

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

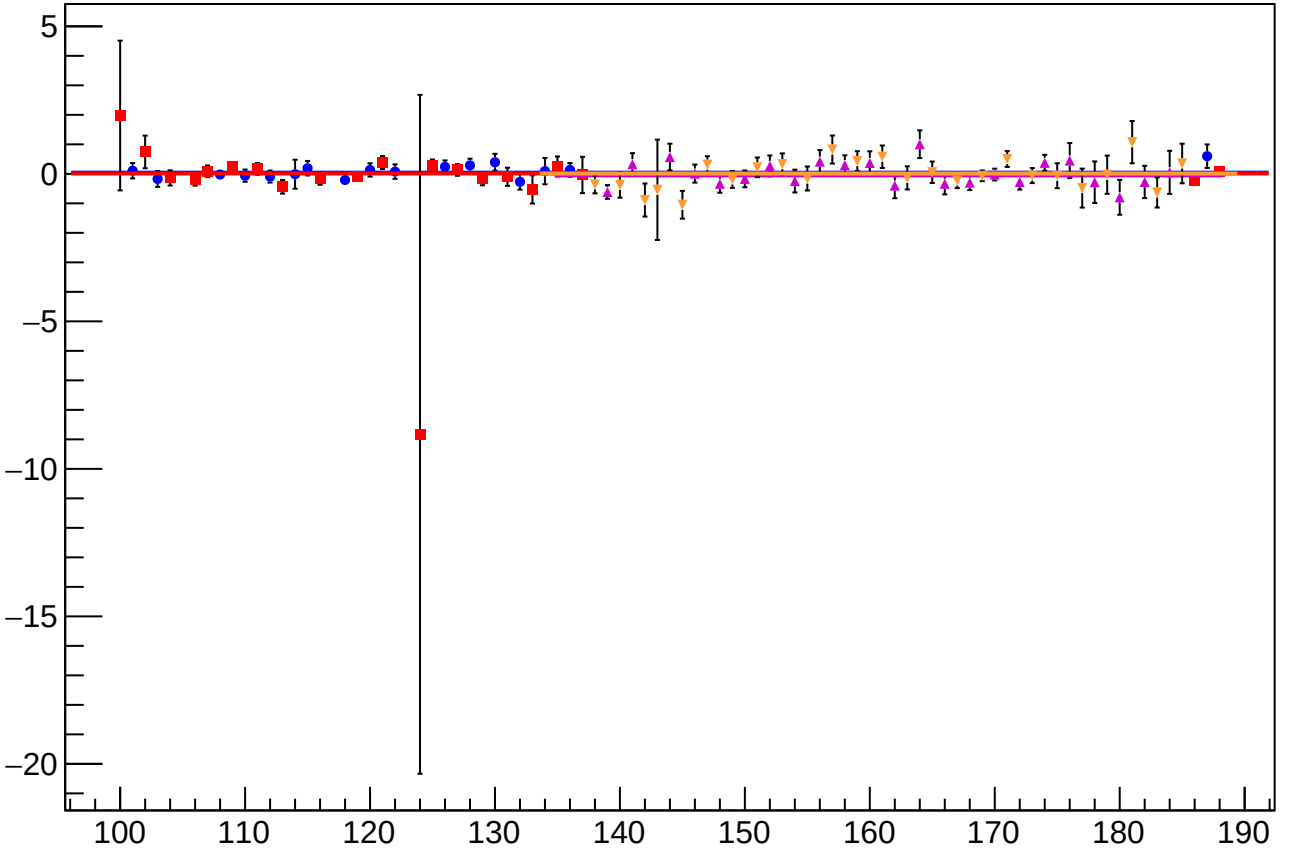
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.925+/-0.031 χ^2/NDF: 10482792.9/41

All: 181.689+/-0.020 χ^2/NDF: 24364154.3/85

- sign 166.354+/-0.027 χ^2/NDF: 13097139.0/43

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

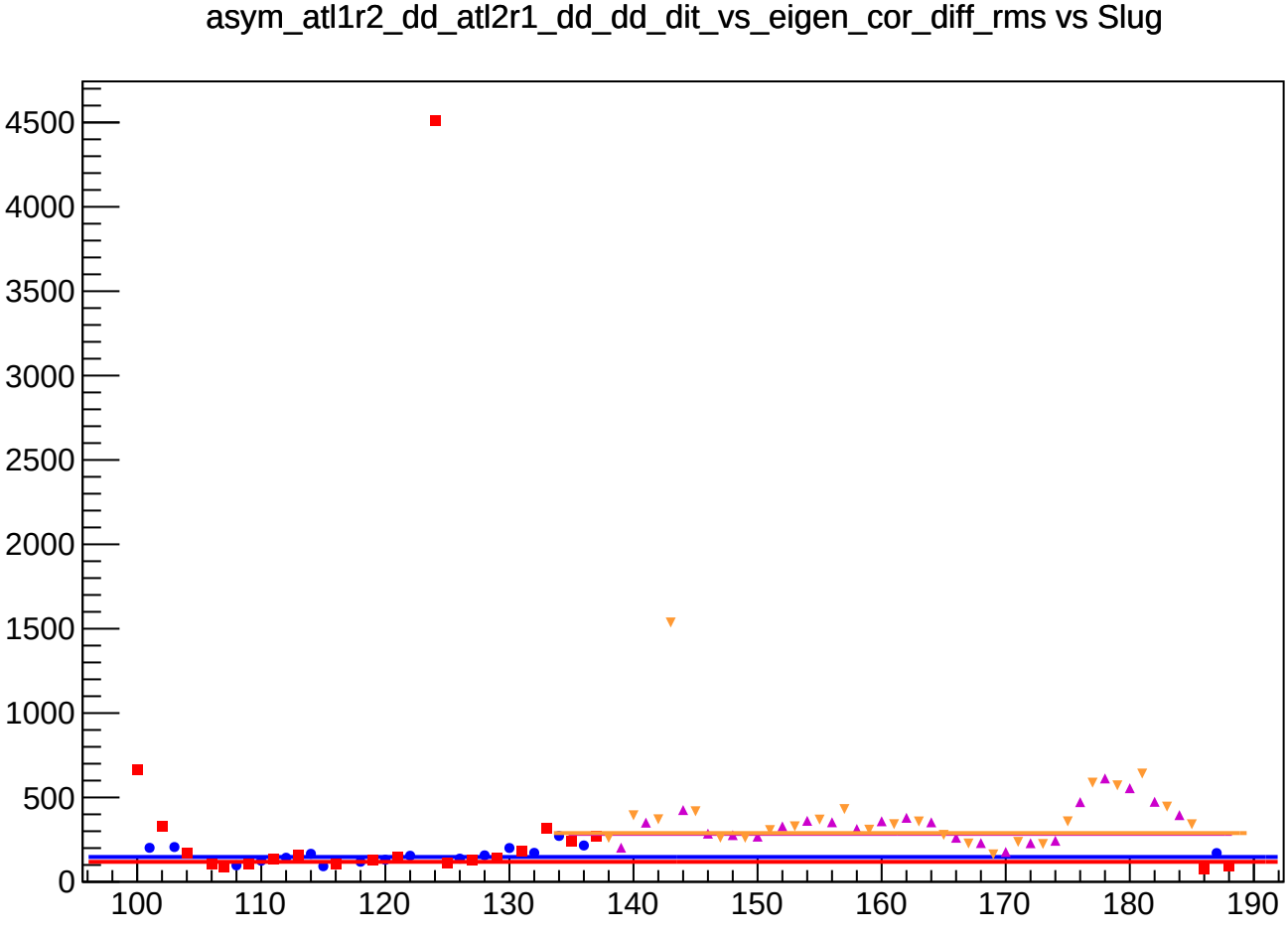
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.008+/-0.029 χ^2/NDF: 93.9/85

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

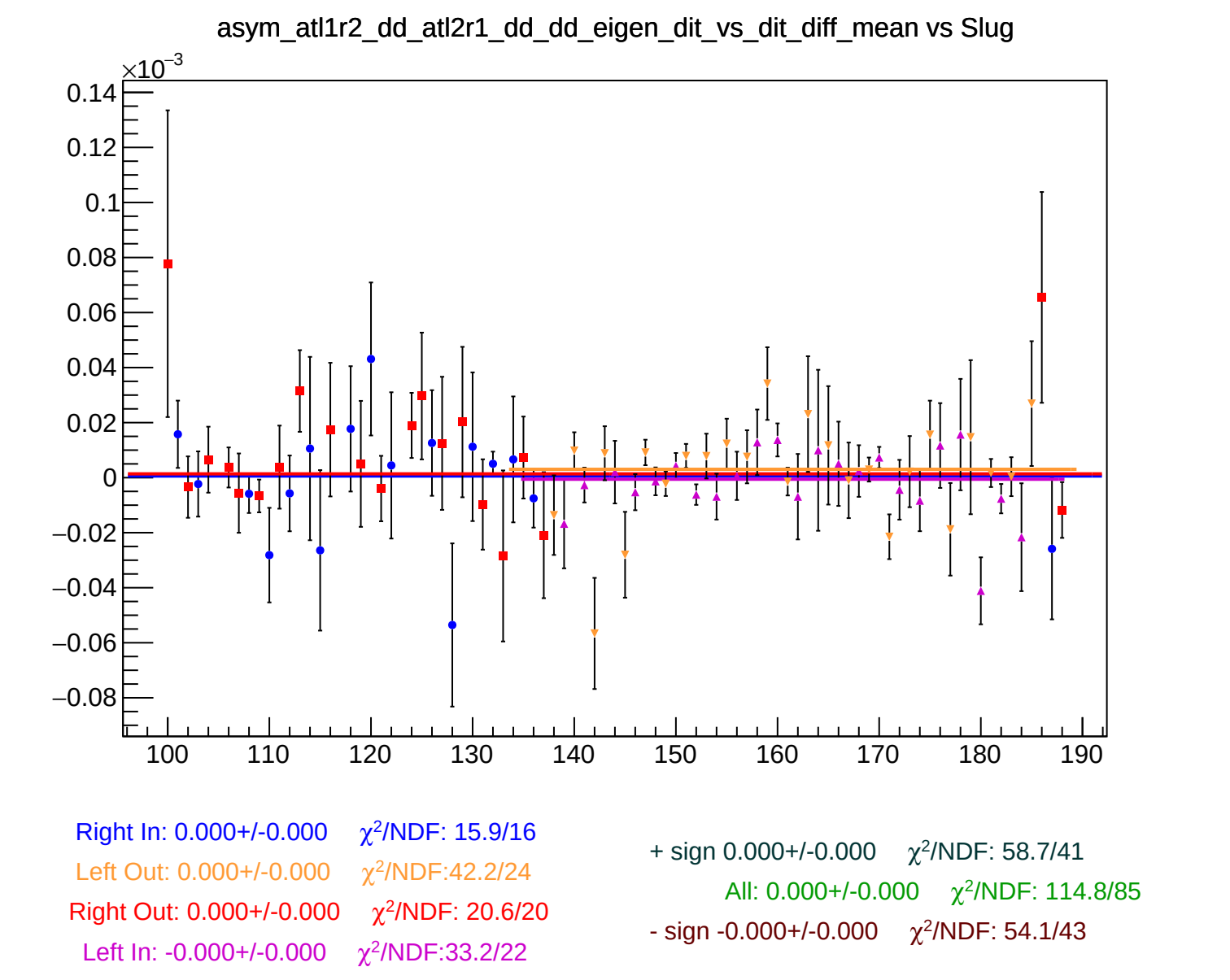
Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

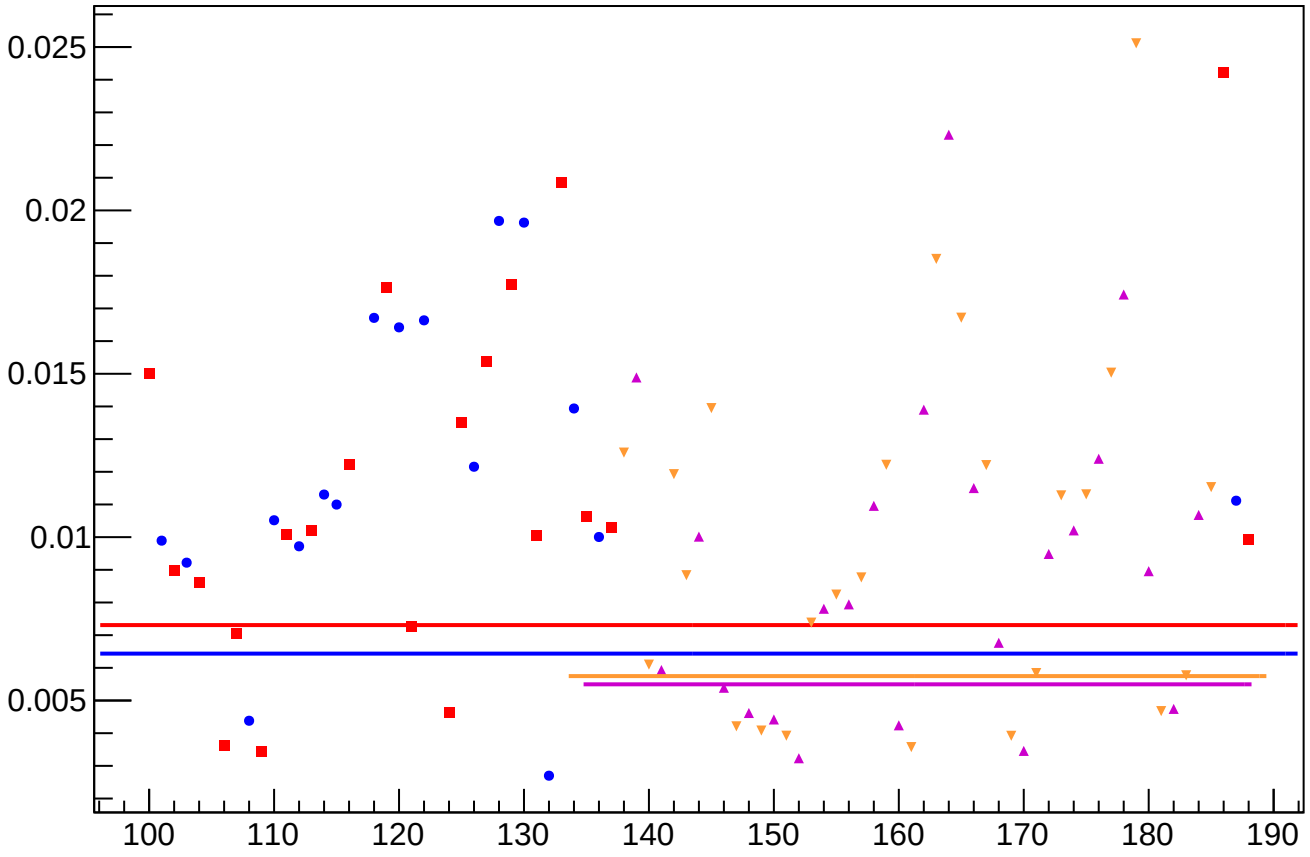
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.925+/-0.031 χ^2/NDF: 10482792.9/41

All: 181.689+/-0.020 χ^2/NDF: 24364154.3/85

- sign 166.354+/-0.027 χ^2/NDF: 13097139.0/43


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.9/16
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.6/20
Left In: -0.000+/-0.000 χ²/NDF:33.2/22
+ sign 0.000+/-0.000 χ²/NDF: 58.7/41
All: 0.000+/-0.000 χ²/NDF: 114.8/85
- sign -0.000+/-0.000 χ²/NDF: 54.1/43



Right In: 0.006+/-0.000 χ^2/NDF: 4707327.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

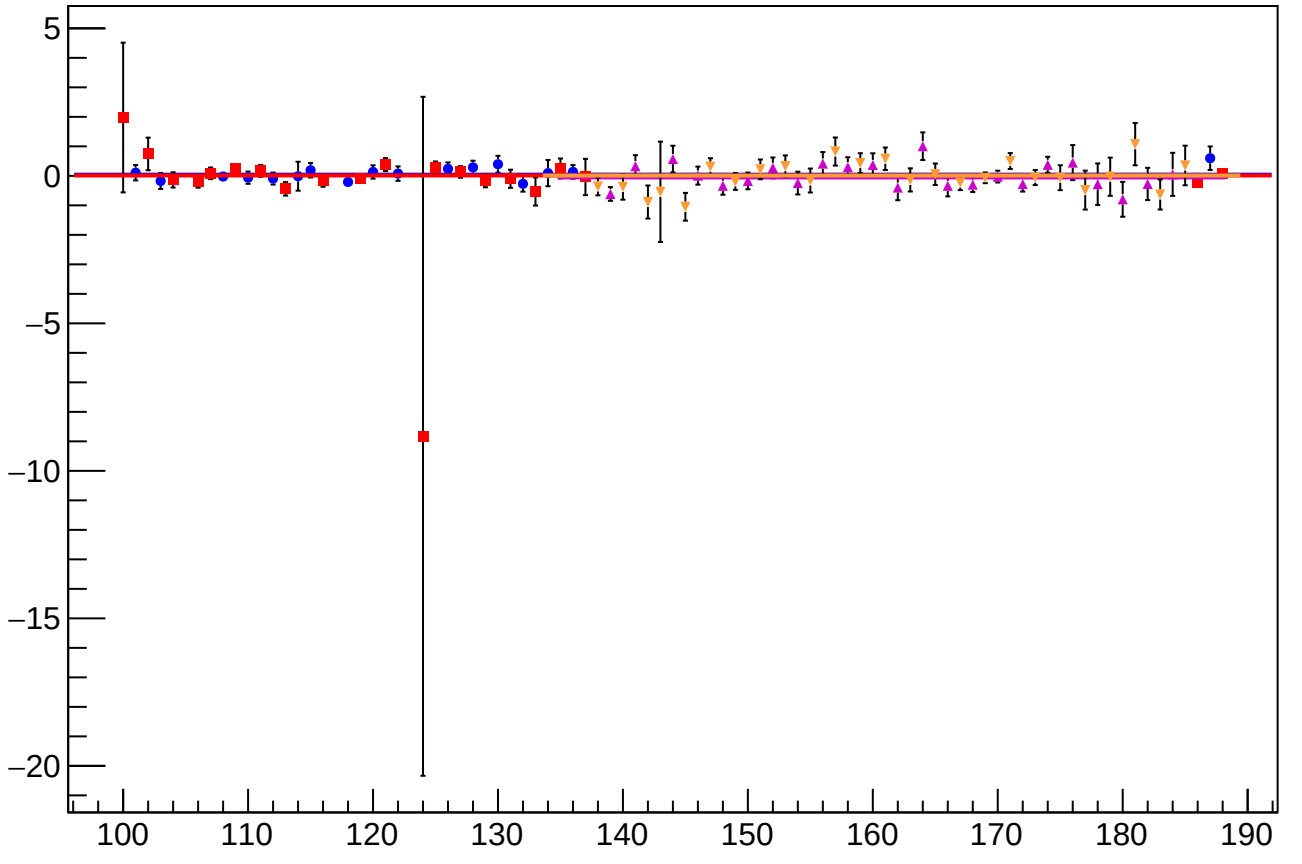
Right Out: 0.007+/-0.000 χ^2/NDF: 3959056.4/20

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 12923726.3/41

All: 0.006+/-0.000 χ^2/NDF: 24440341.3/85

- sign 0.006+/-0.000 χ^2/NDF: 11516593.0/43



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

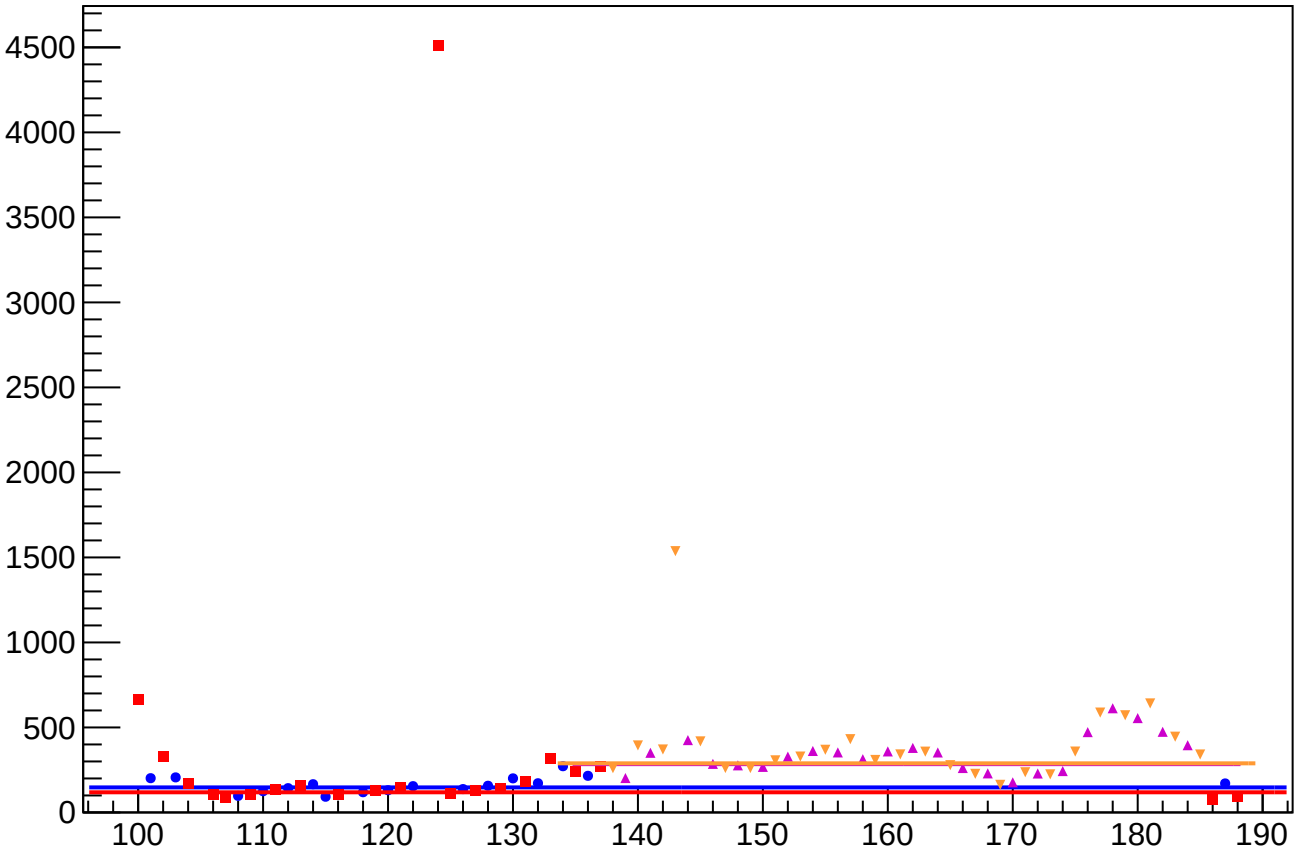
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.008+/-0.029 χ^2/NDF: 93.9/85

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

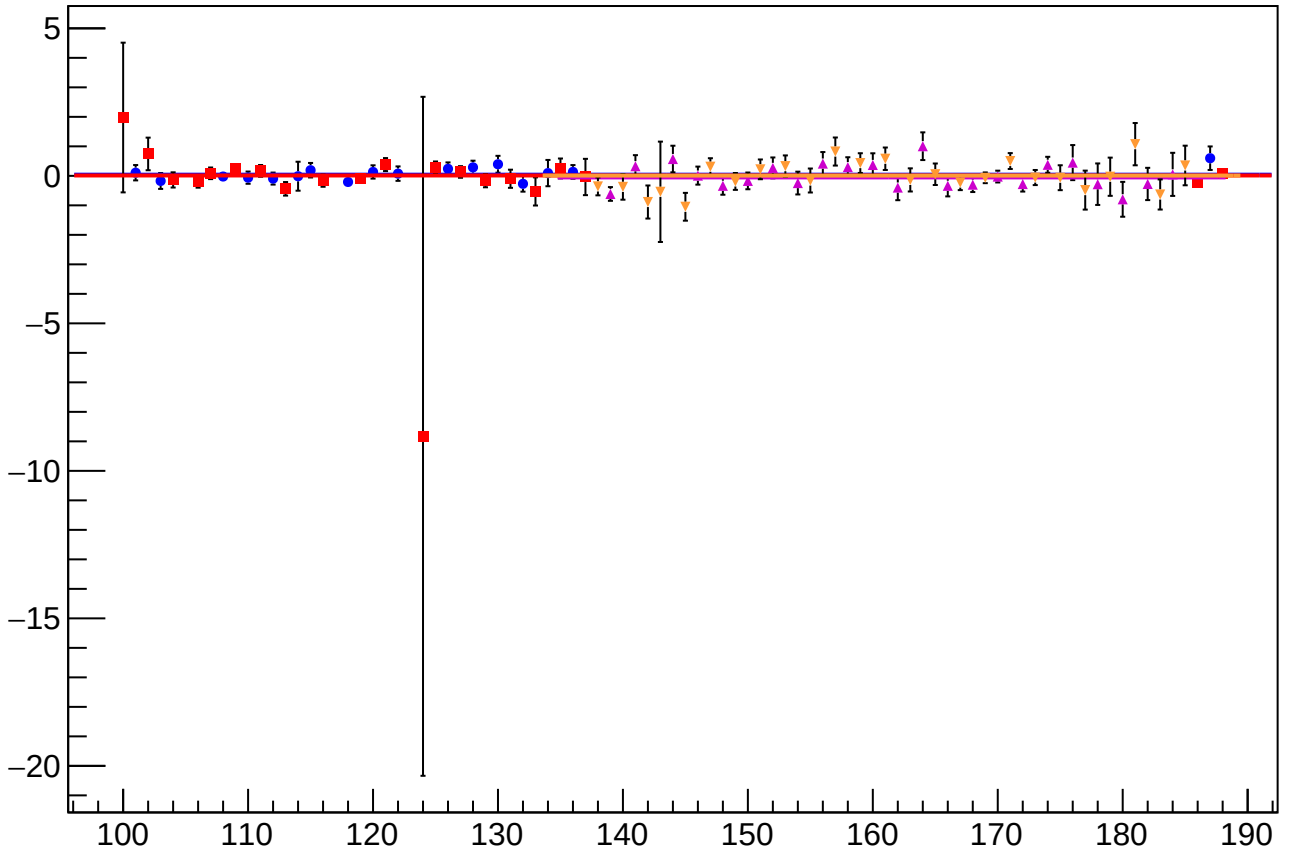
Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.924+/-0.031 χ^2/NDF: 10482932.7/41

All: 181.690+/-0.020 χ^2/NDF: 24364000.7/85

- sign 166.356+/-0.027 χ^2/NDF: 13096958.9/43



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

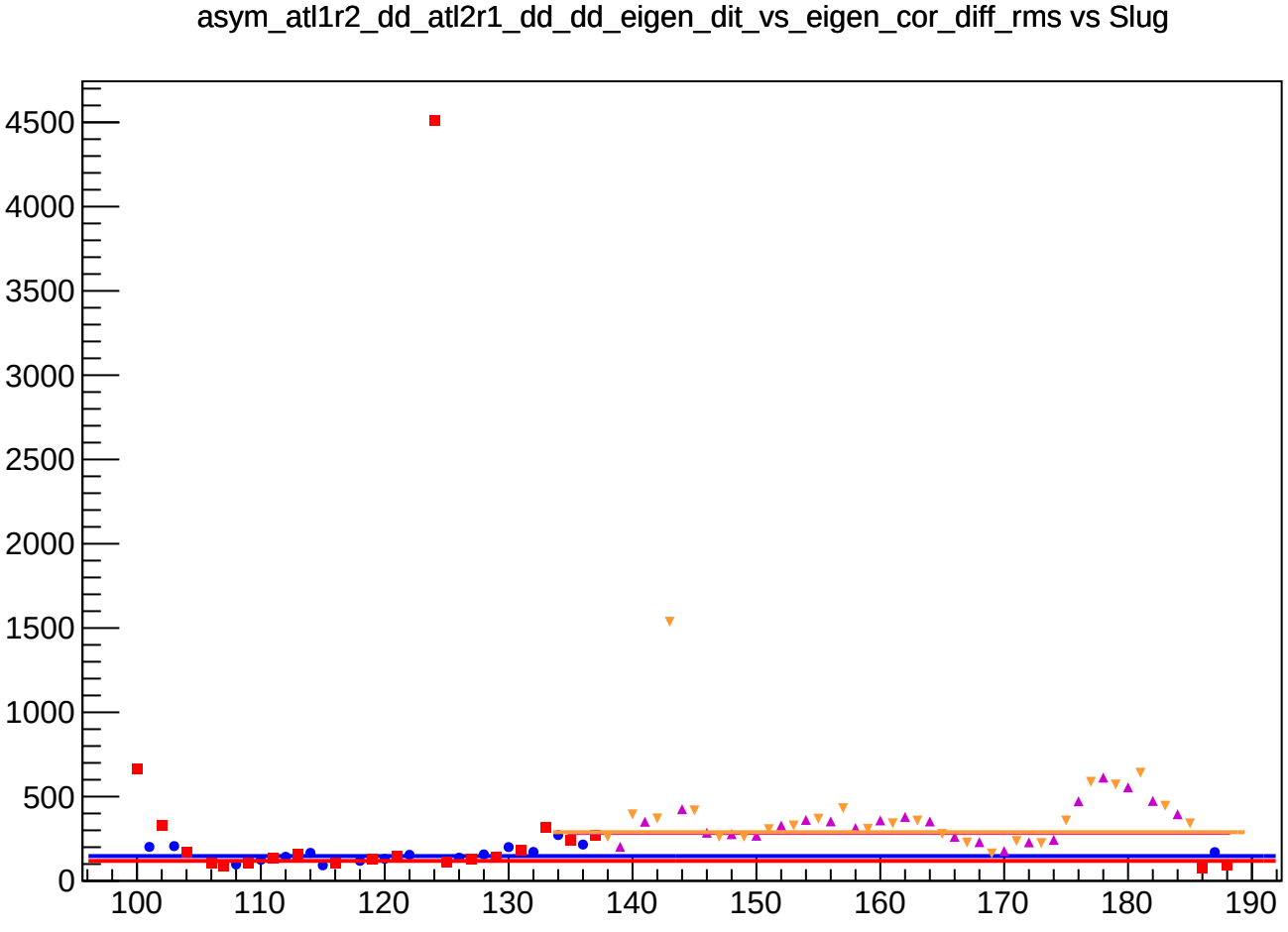
Right Out: 0.013+/-0.045 χ^2/NDF: 24.7/20

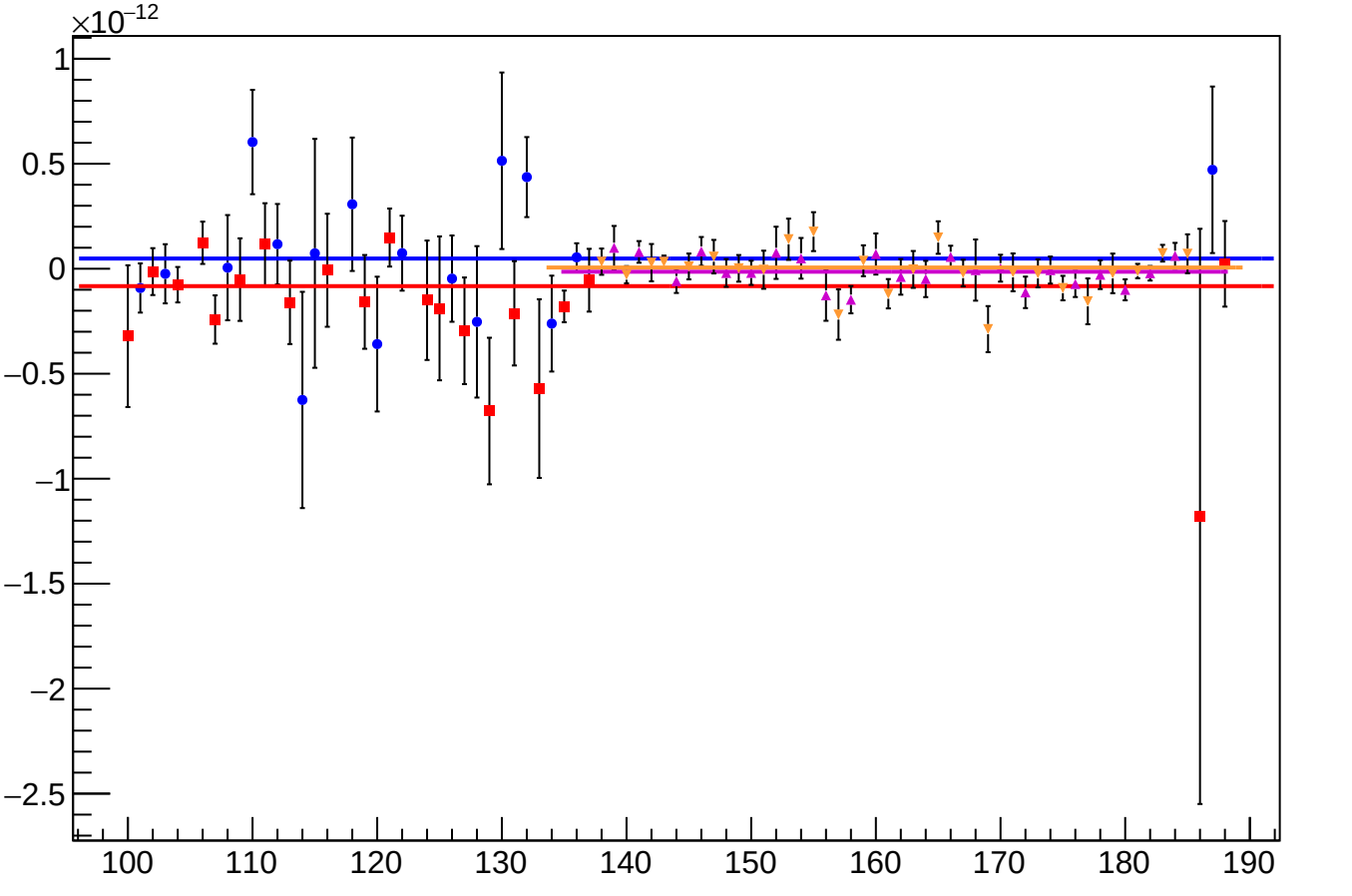
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.008+/-0.029 χ^2/NDF: 93.9/85

- sign -0.006+/-0.038 χ^2/NDF: 53.1/43


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
190
Right In: 147.318+/-0.040 χ²/NDF: 1005643.2/16
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 118.572+/-0.032 χ²/NDF: 2147574.0/20
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 202.924+/-0.031 χ²/NDF: 10482932.7/41
All: 181.690+/-0.020 χ²/NDF: 24364000.7/85
- sign 166.356+/-0.027 χ²/NDF: 13096958.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

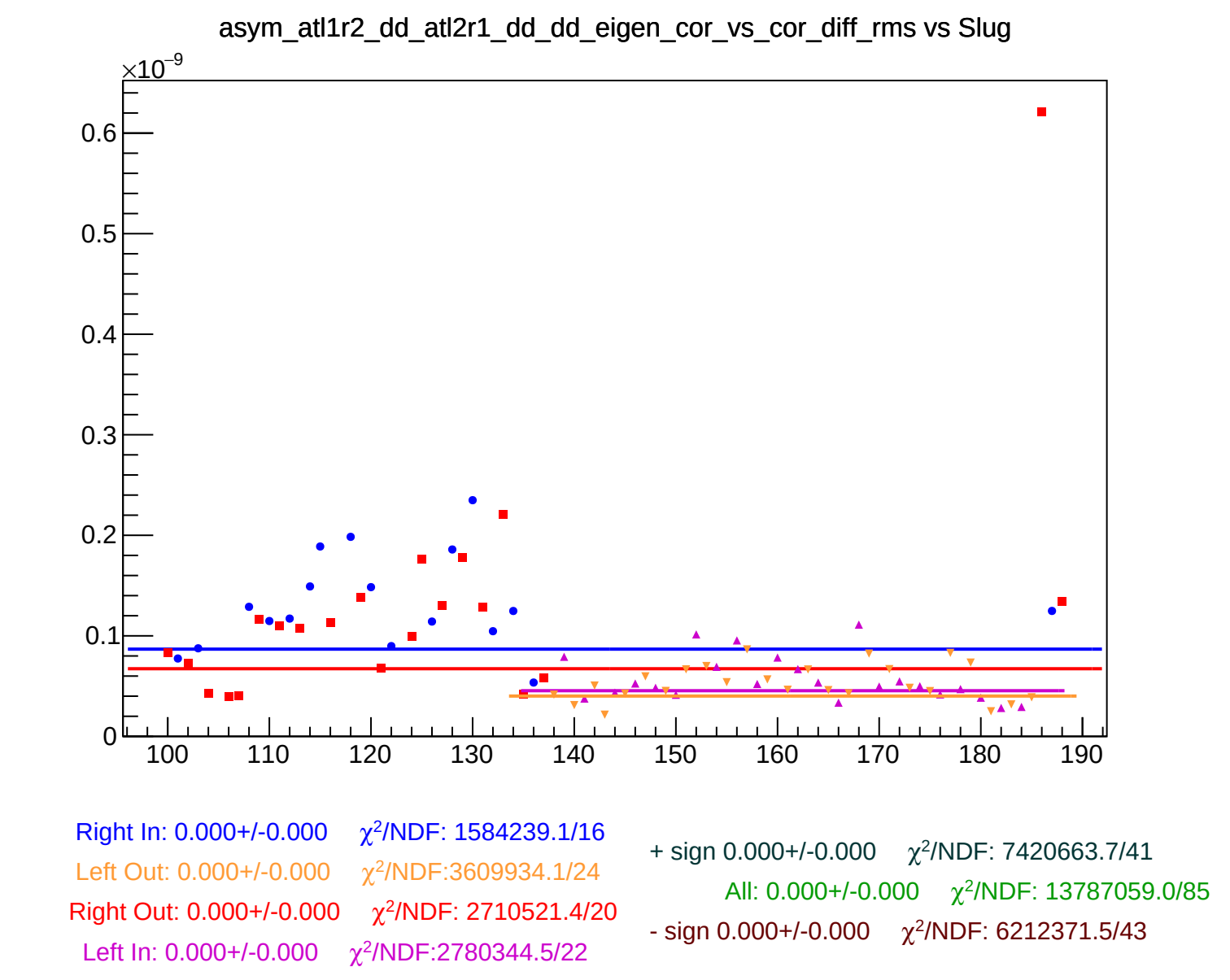
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/20

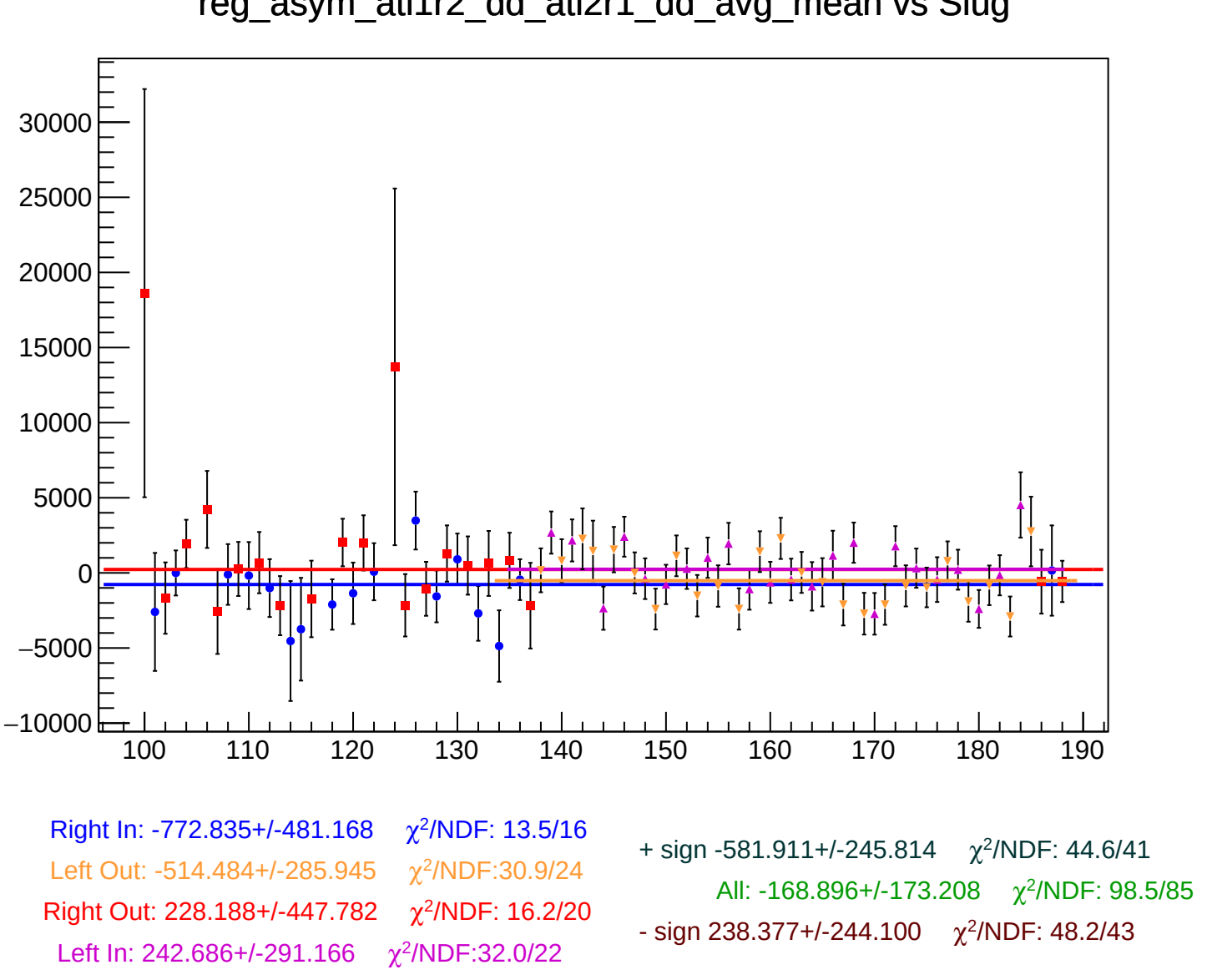
Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.2/41

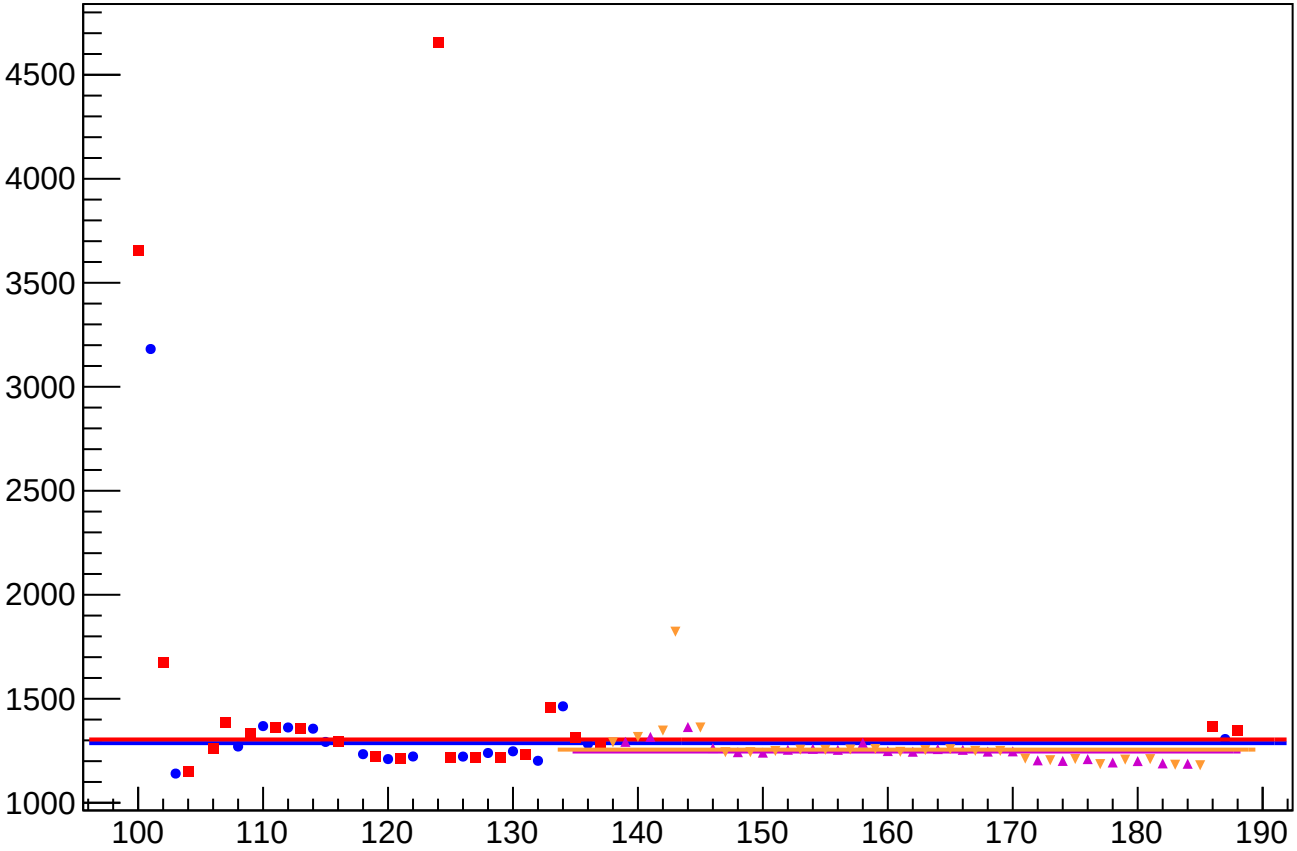
All: -0.000+/-0.000 χ^2/NDF: 104.7/85

- sign -0.000+/-0.000 χ^2/NDF: 45.9/43


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1584239.1/16
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 2710521.4/20
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 7420663.7/41
All: 0.000+/-0.000 χ²/NDF: 13787059.0/85
- sign 0.000+/-0.000 χ²/NDF: 6212371.5/43


reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -772.835+/-481.168 χ²/NDF: 13.5/16
Left Out: -514.484+/-285.945 χ²/NDF:30.9/24
Right Out: 228.188+/-447.782 χ²/NDF: 16.2/20
Left In: 242.686+/-291.166 χ²/NDF:32.0/22
+ sign -581.911+/-245.814 χ²/NDF: 44.6/41
All: -168.896+/-173.208 χ²/NDF: 98.5/85
- sign 238.377+/-244.100 χ²/NDF: 48.2/43

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.619+/-0.340 χ^2/NDF: 518216.2/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

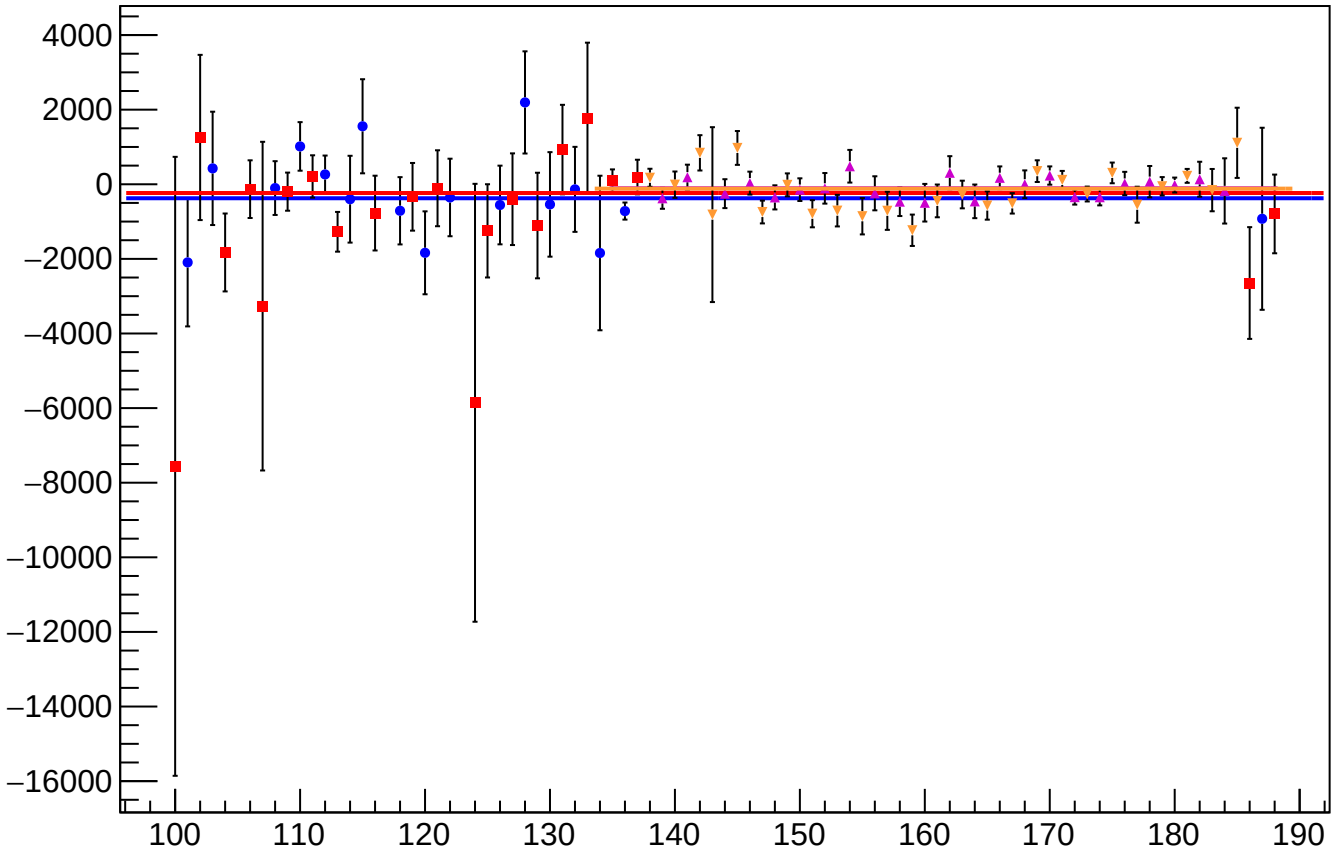
Right Out: 1304.326+/-0.317 χ^2/NDF: 332177.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.632+/-0.174 χ^2/NDF: 727516.7/41

All: 1263.607+/-0.122 χ^2/NDF: 1123112.2/85

- sign 1263.582+/-0.173 χ^2/NDF: 395595.4/43



Right In: -374.939+/-167.806 χ^2/NDF: 18.2/16

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

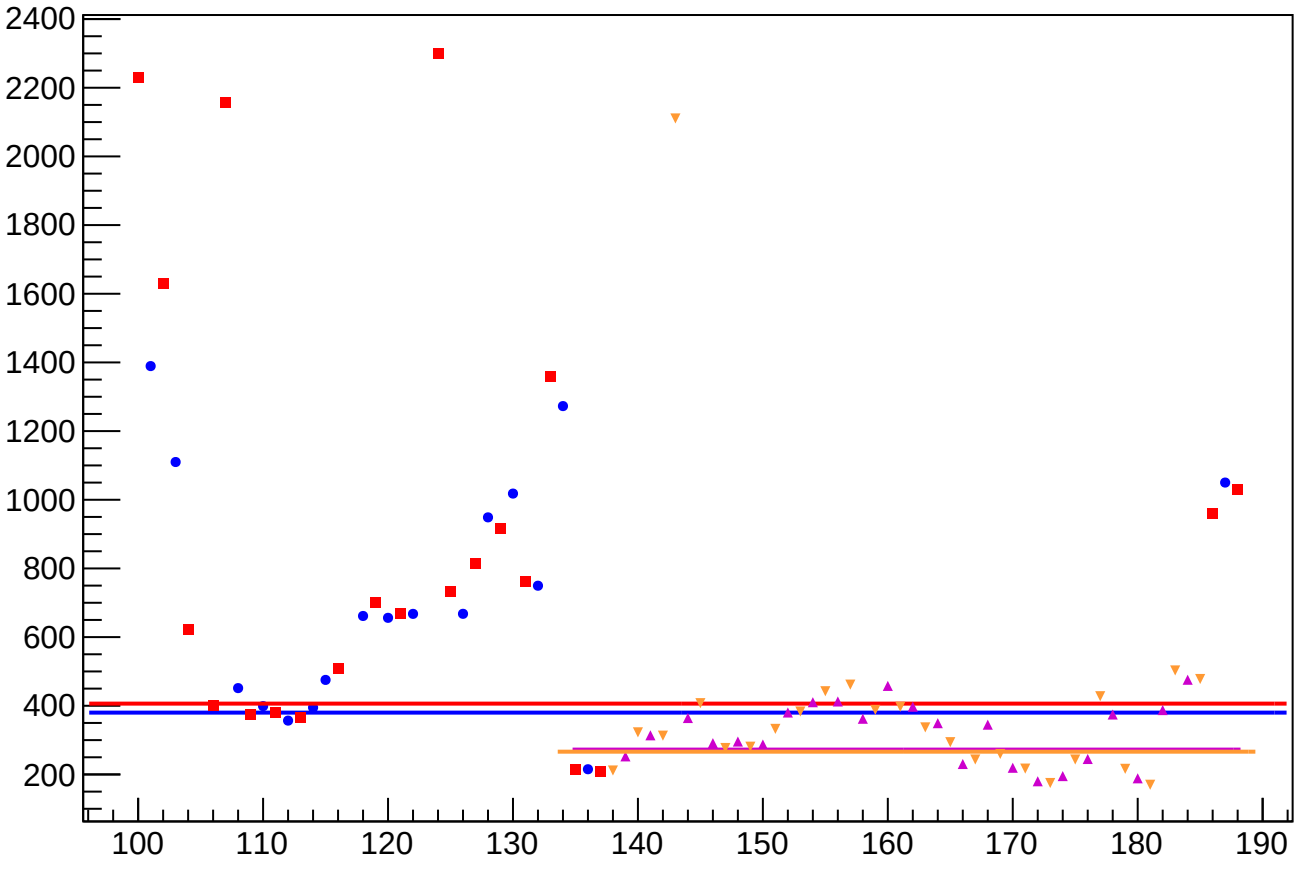
Right Out: -234.361+/-166.390 χ^2/NDF: 17.6/20

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -150.730+/-60.659 χ^2/NDF: 68.7/41

All: -138.209+/-43.411 χ^2/NDF: 100.6/85

- sign -125.064+/-62.151 χ^2/NDF: 31.8/43



Right In: 380.076+/-0.119 χ^2/NDF: 4341702.4/16

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 406.287+/-0.118 χ^2/NDF: 5063951.0/20

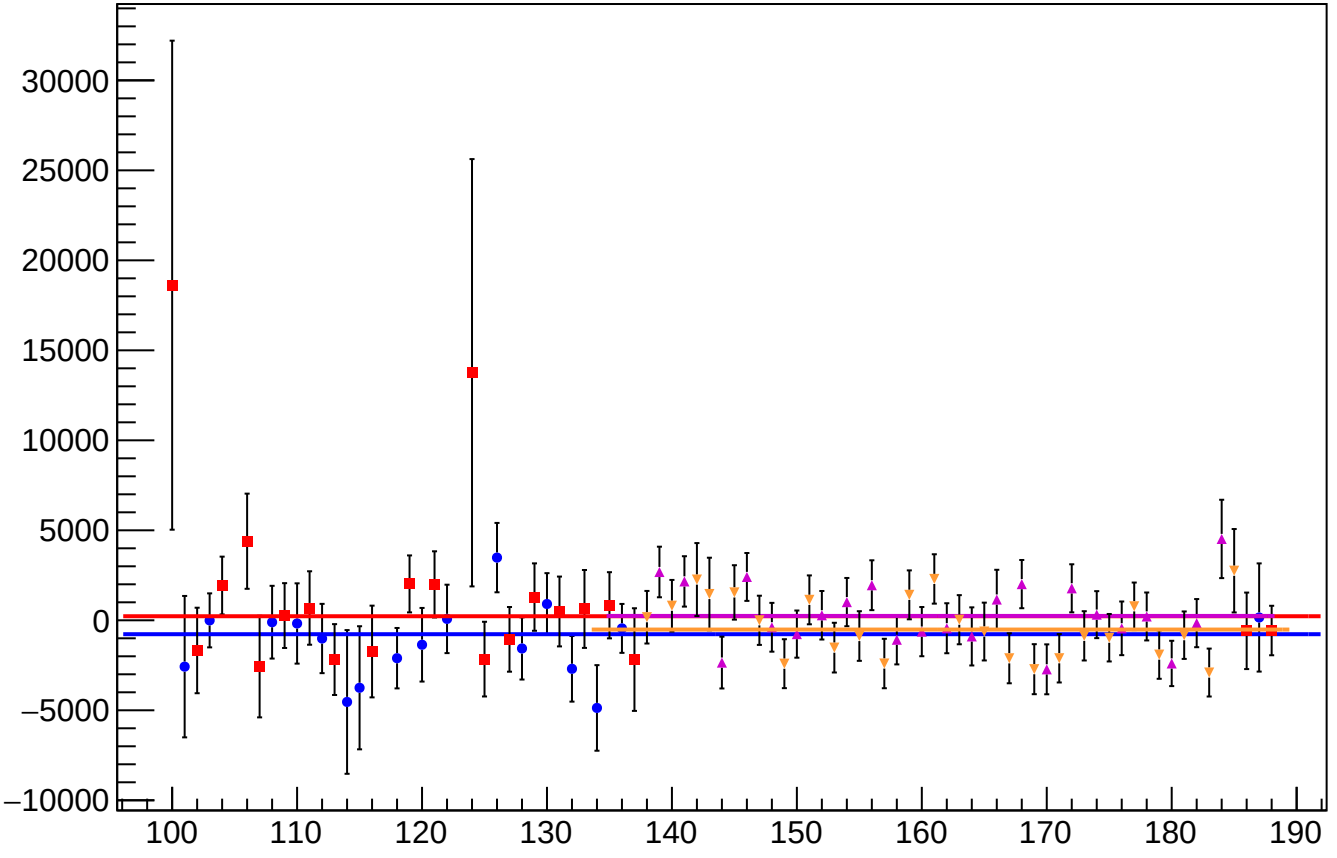
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 281.185+/-0.043 χ^2/NDF: 9770830.2/41

All: 285.999+/-0.031 χ^2/NDF: 18863238.7/85

- sign 291.053+/-0.044 χ^2/NDF: 9066590.9/43

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -772.460+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 225.736+/-448.191 χ^2/NDF: 16.2/20

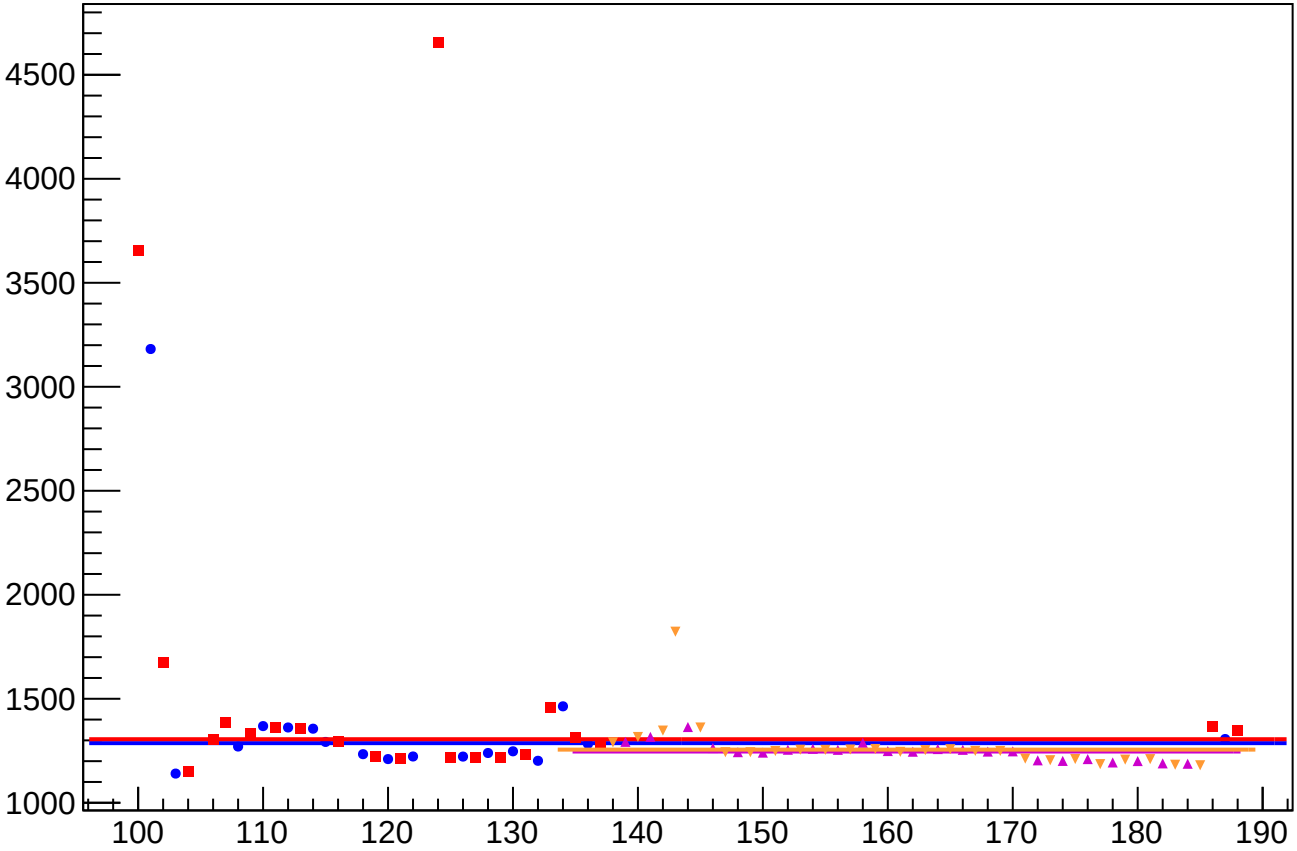
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -581.773+/-245.814 χ^2/NDF: 44.6/41

All: -169.310+/-173.231 χ^2/NDF: 98.5/85

- sign 237.639+/-244.166 χ^2/NDF: 48.3/43

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

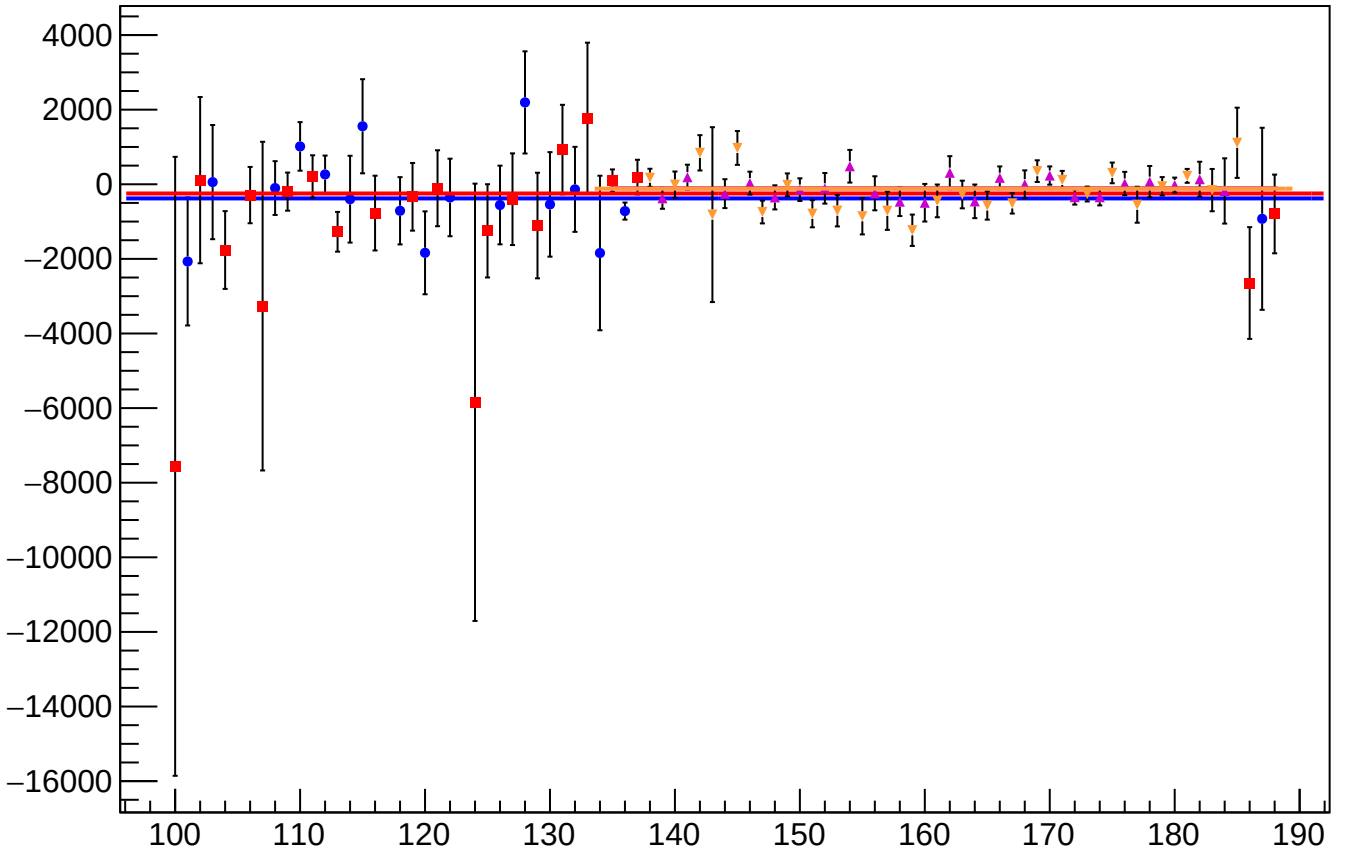
Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.632+/-0.174 χ^2/NDF: 727518.1/41

All: 1263.782+/-0.122 χ^2/NDF: 1123575.5/85

- sign 1263.930+/-0.173 χ^2/NDF: 396055.9/43



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

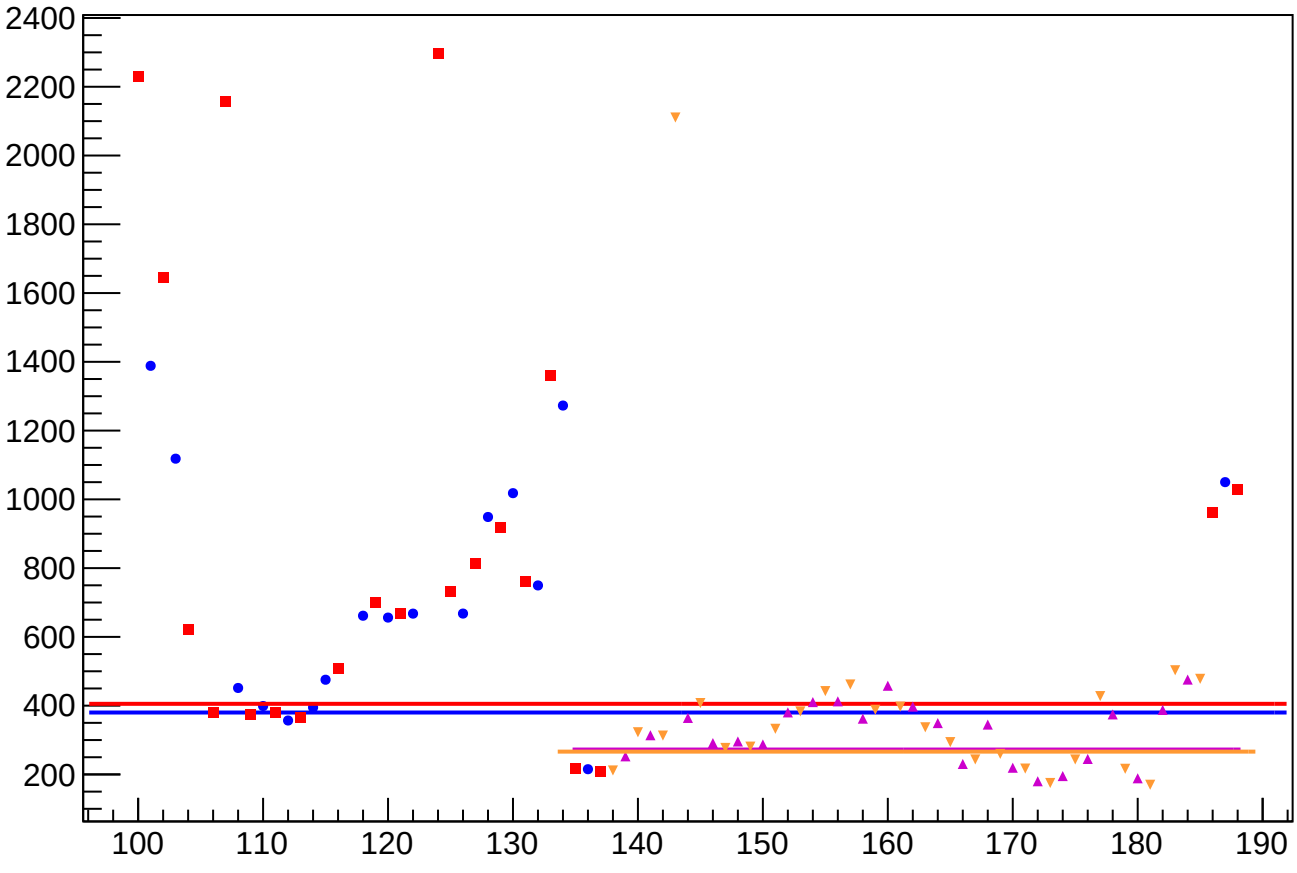
Right Out: -246.976+/-166.203 χ^2/NDF: 17.0/20

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.280+/-60.661 χ^2/NDF: 68.6/41

All: -139.415+/-43.408 χ^2/NDF: 99.9/85

- sign -126.964+/-62.143 χ^2/NDF: 31.3/43



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

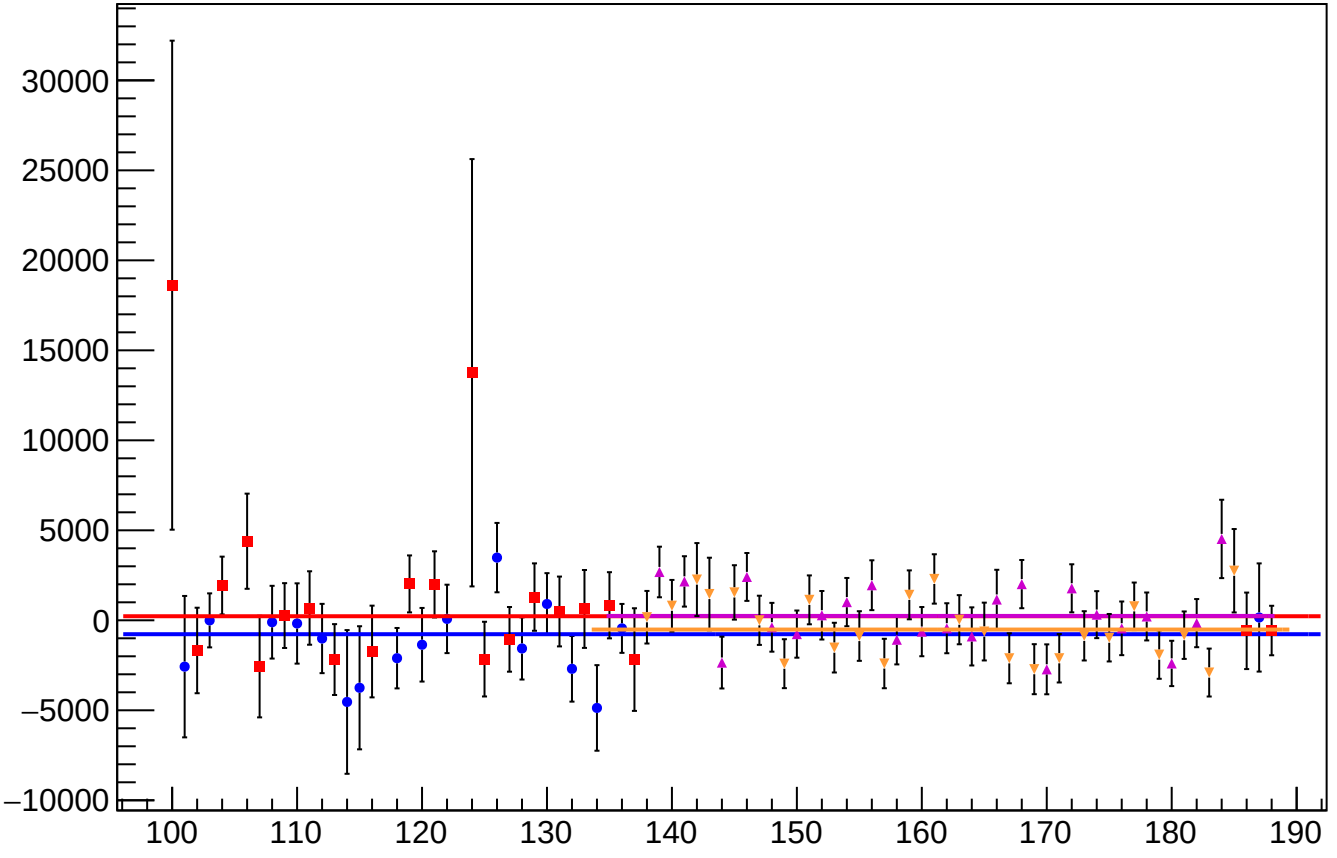
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 281.187+/-0.043 χ^2/NDF: 9773650.4/41

All: 285.958+/-0.031 χ^2/NDF: 18860078.2/85

- sign 290.965+/-0.044 χ^2/NDF: 9061073.4/43

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -772.460+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

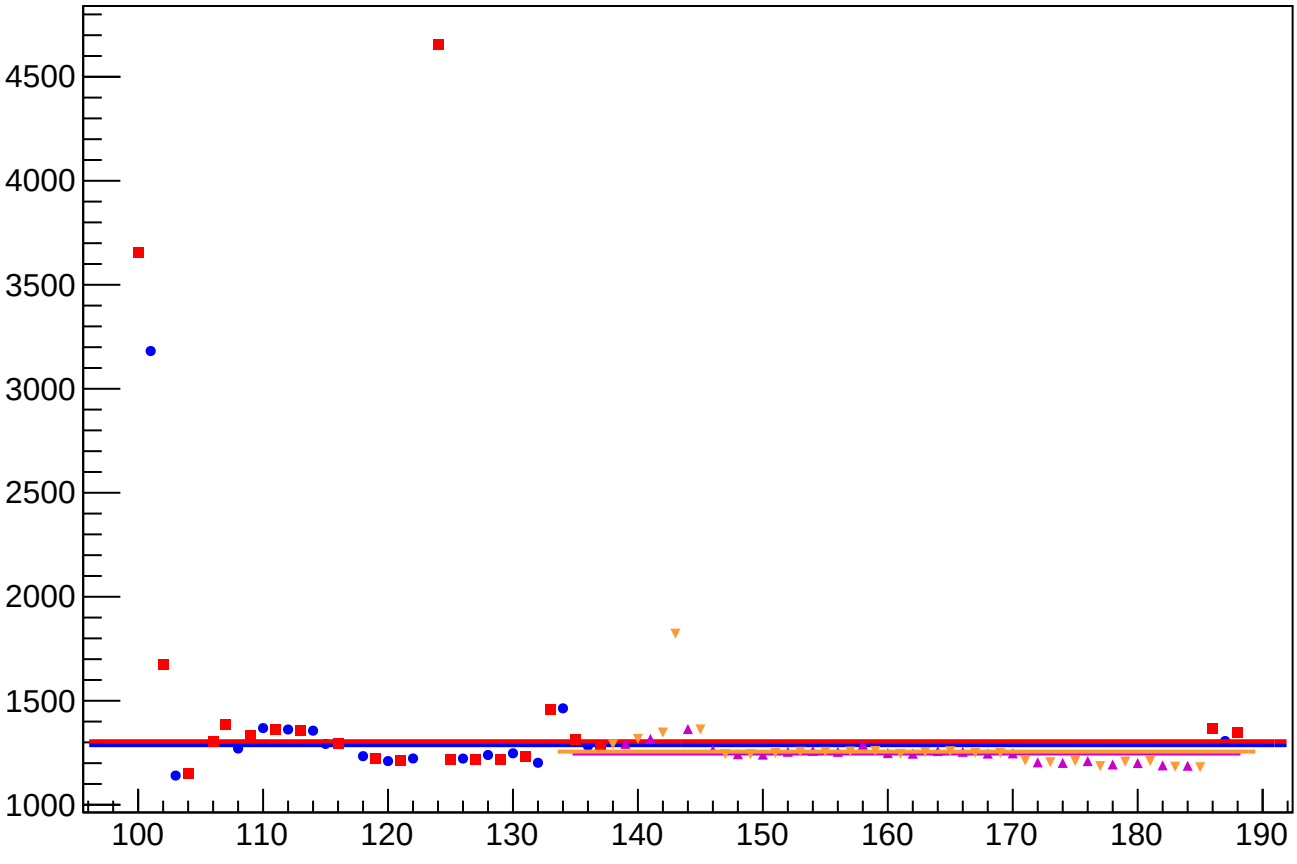
Right Out: 225.736+/-448.191 χ^2/NDF: 16.2/20

Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -581.773+/-245.814 χ^2/NDF: 44.6/41

All: -169.310+/-173.231 χ^2/NDF: 98.5/85

- sign 237.639+/-244.166 χ^2/NDF: 48.3/43



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

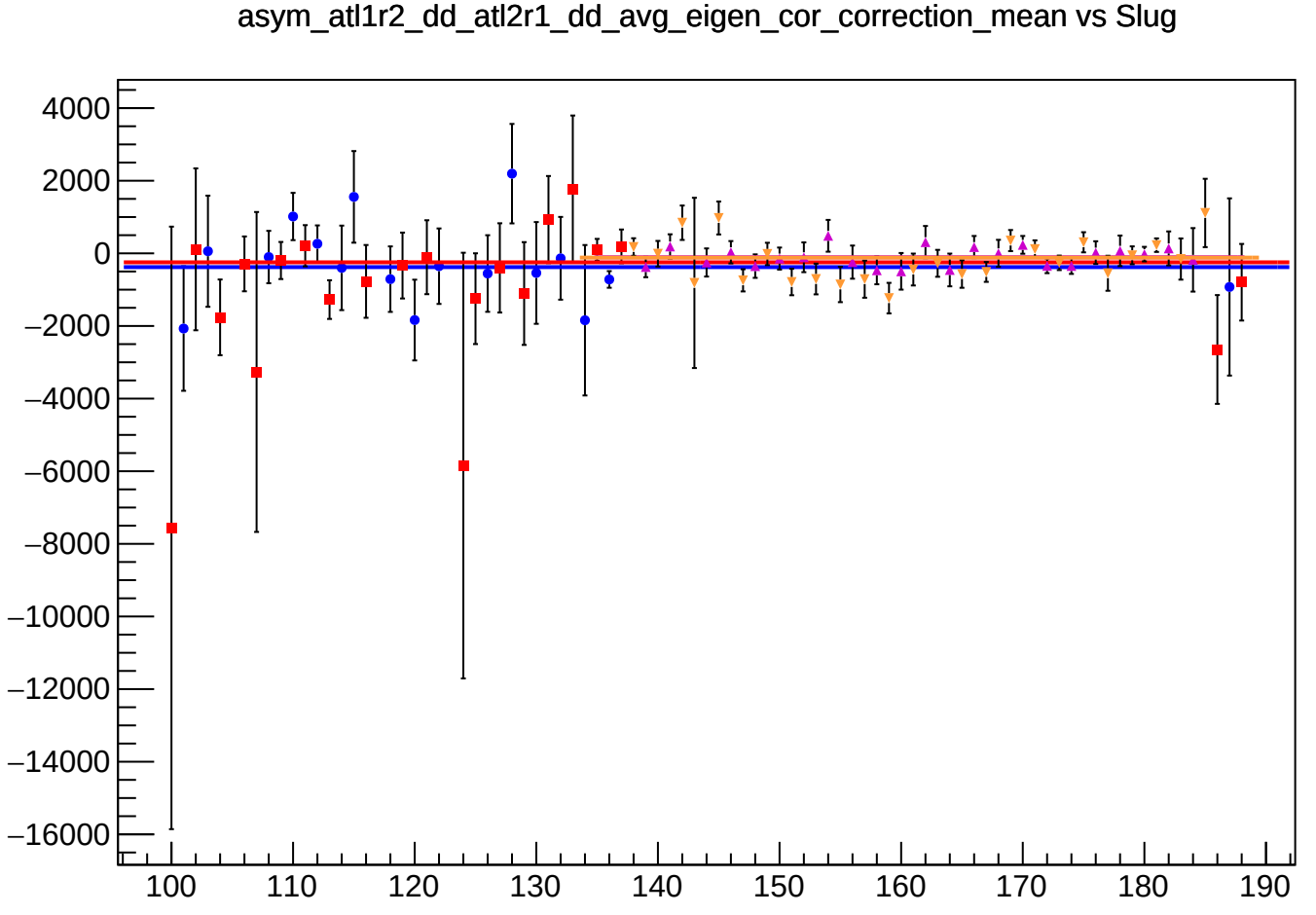
Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.632+/-0.174 χ^2/NDF: 727518.1/41

All: 1263.782+/-0.122 χ^2/NDF: 1123575.5/85

- sign 1263.930+/-0.173 χ^2/NDF: 396055.9/43



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

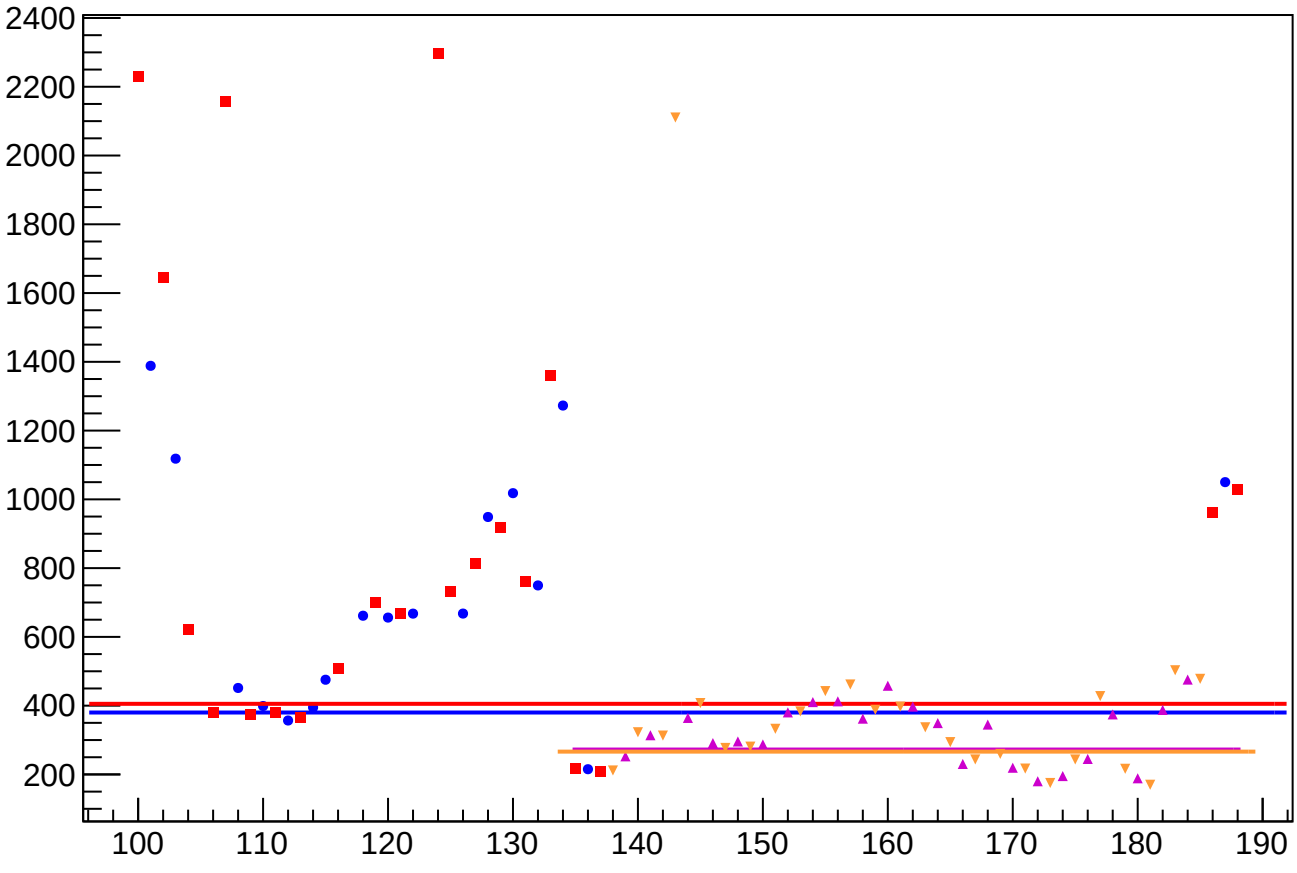
Right Out: -246.976+/-166.203 χ^2/NDF: 17.0/20

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.280+/-60.661 χ^2/NDF: 68.6/41

All: -139.415+/-43.408 χ^2/NDF: 99.9/85

- sign -126.964+/-62.143 χ^2/NDF: 31.3/43



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

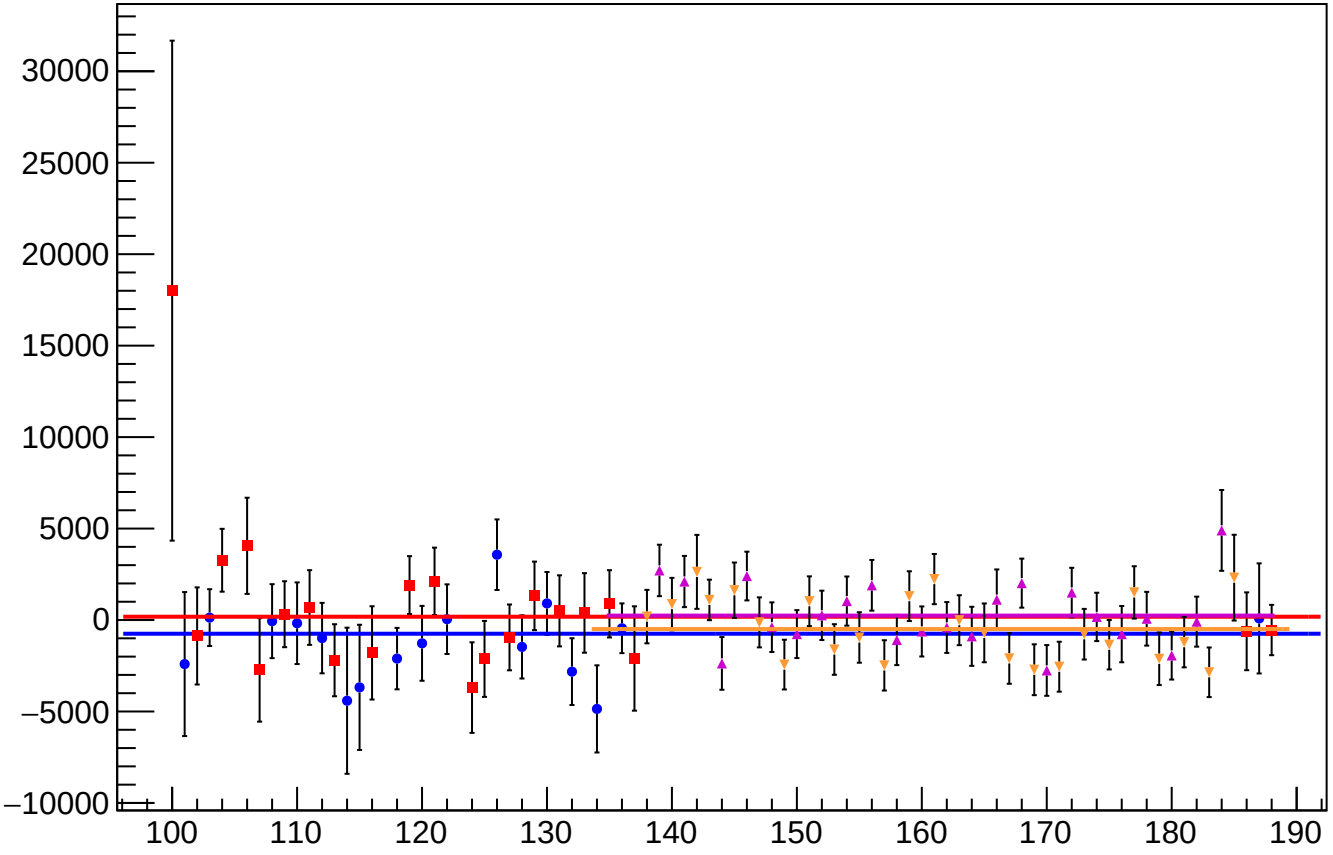
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 281.187+/-0.043 χ^2/NDF: 9773650.4/41

All: 285.958+/-0.031 χ^2/NDF: 18860078.2/85

- sign 290.965+/-0.044 χ^2/NDF: 9061073.4/43

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -749.322+/-483.249 χ^2/NDF: 13.7/16

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 180.946+/-445.342 χ^2/NDF: 18.4/20

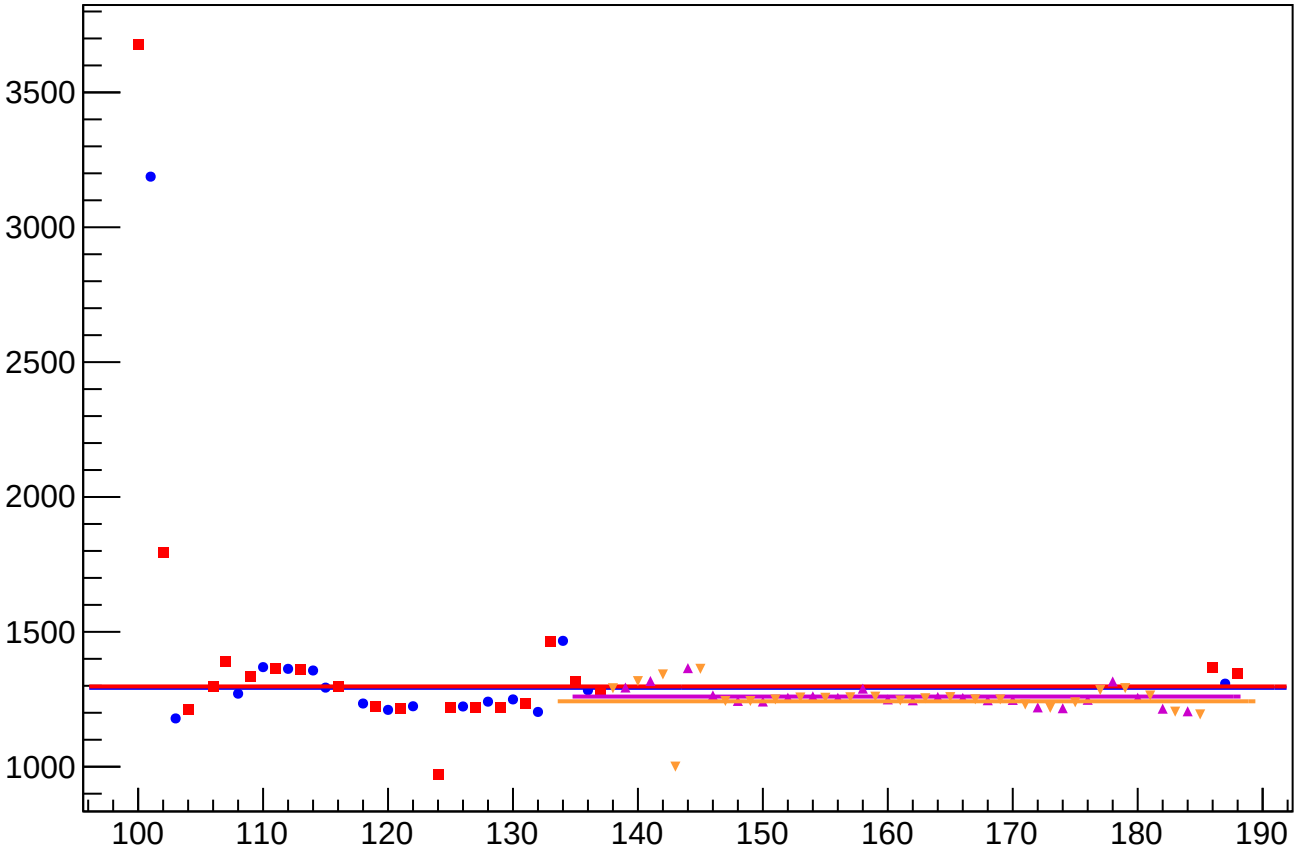
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -558.690+/-244.035 χ^2/NDF: 48.1/41

All: -170.050+/-173.093 χ^2/NDF: 102.3/85

- sign 223.441+/-245.554 χ^2/NDF: 49.1/43

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

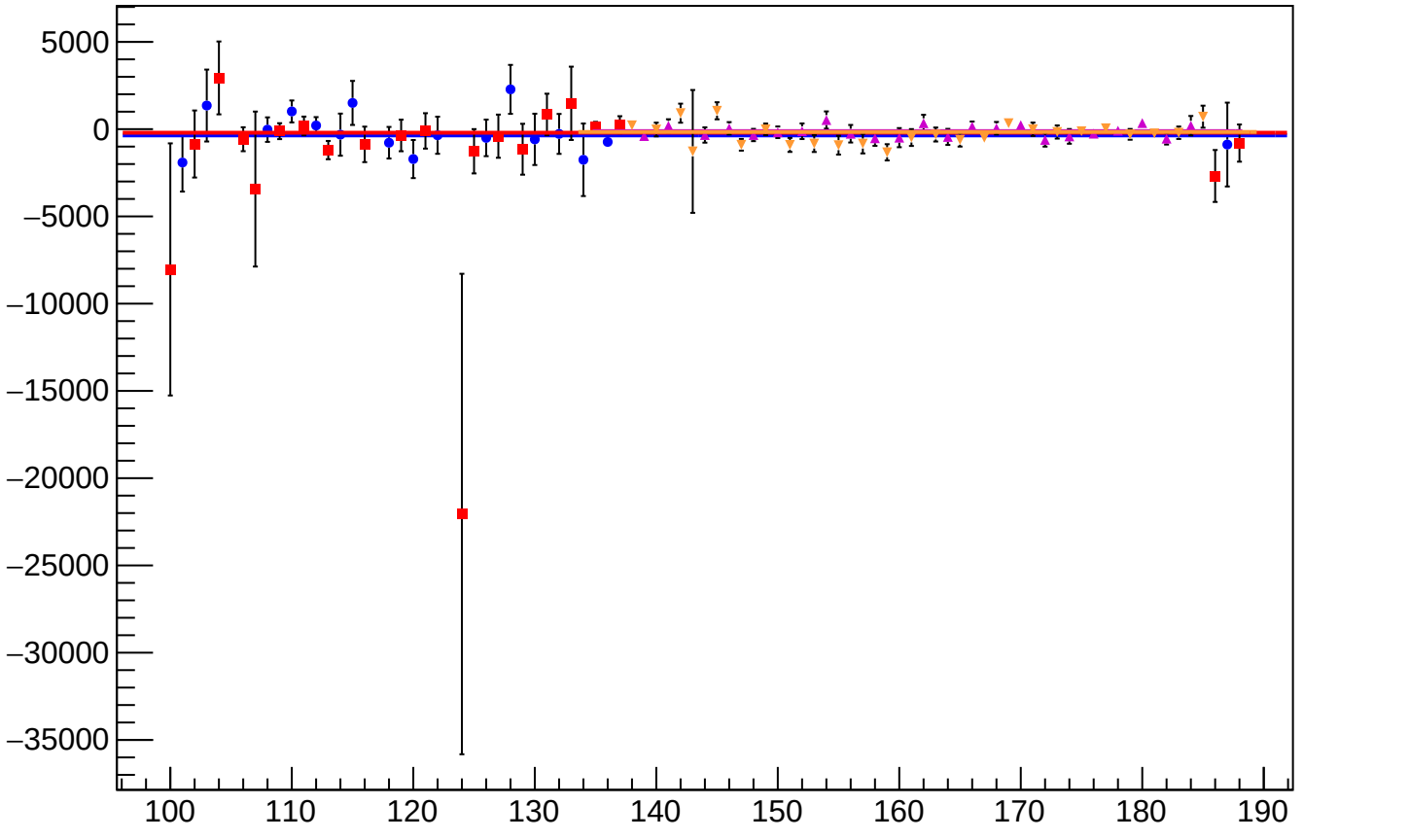
Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.2/20

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1255.267+/-0.173 χ^2/NDF: 655377.4/41

All: 1263.335+/-0.122 χ^2/NDF: 912314.7/85

- sign 1271.504+/-0.174 χ^2/NDF: 252537.9/43



Right In: -357.857+/-169.547 χ^2/NDF: 18.5/16

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

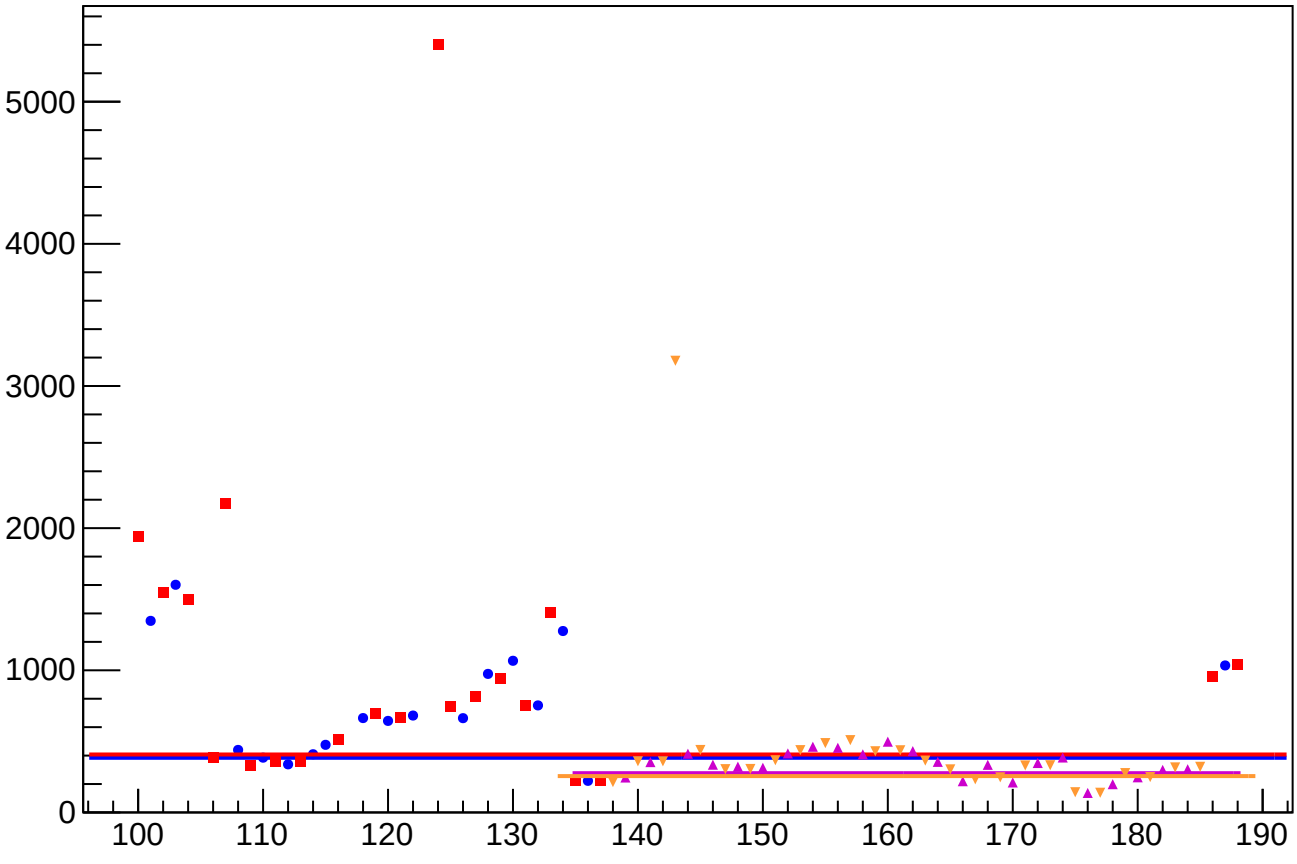
Right Out: -205.206+/-166.501 χ^2/NDF: 19.0/20

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -185.579+/-59.985 χ^2/NDF: 63.4/41

All: -158.046+/-43.643 χ^2/NDF: 101.3/85

- sign -127.077+/-63.617 χ^2/NDF: 37.5/43



Right In: 384.601+/-0.120 χ^2/NDF: 4464871.9/16

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

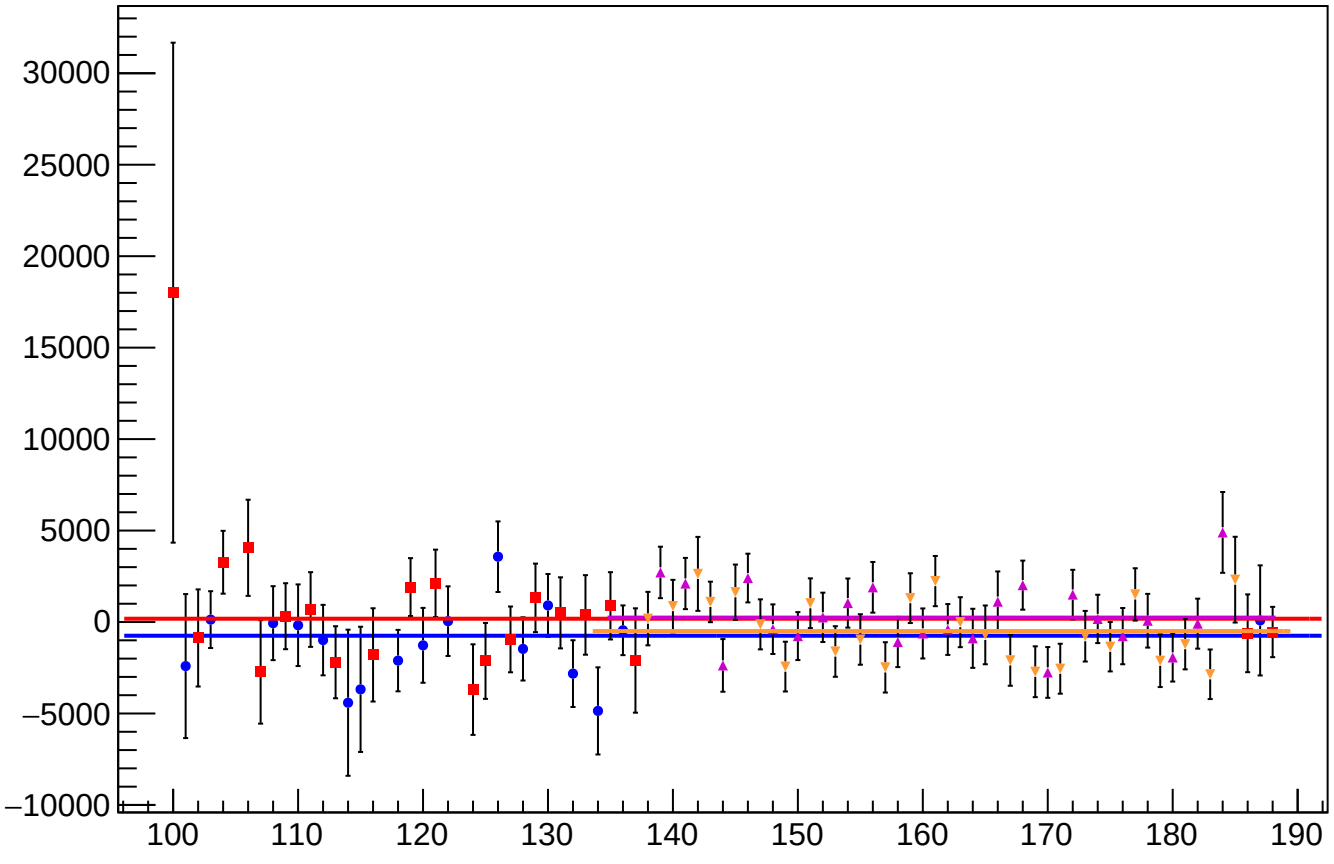
Right Out: 407.821+/-0.118 χ^2/NDF: 5574336.4/20

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 271.894+/-0.042 χ^2/NDF: 11849044.2/41

All: 283.004+/-0.031 χ^2/NDF: 22662312.0/85

- sign 295.499+/-0.045 χ^2/NDF: 10667508.3/43



Right In: -749.324+/-483.249 χ^2/NDF: 13.7/16

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

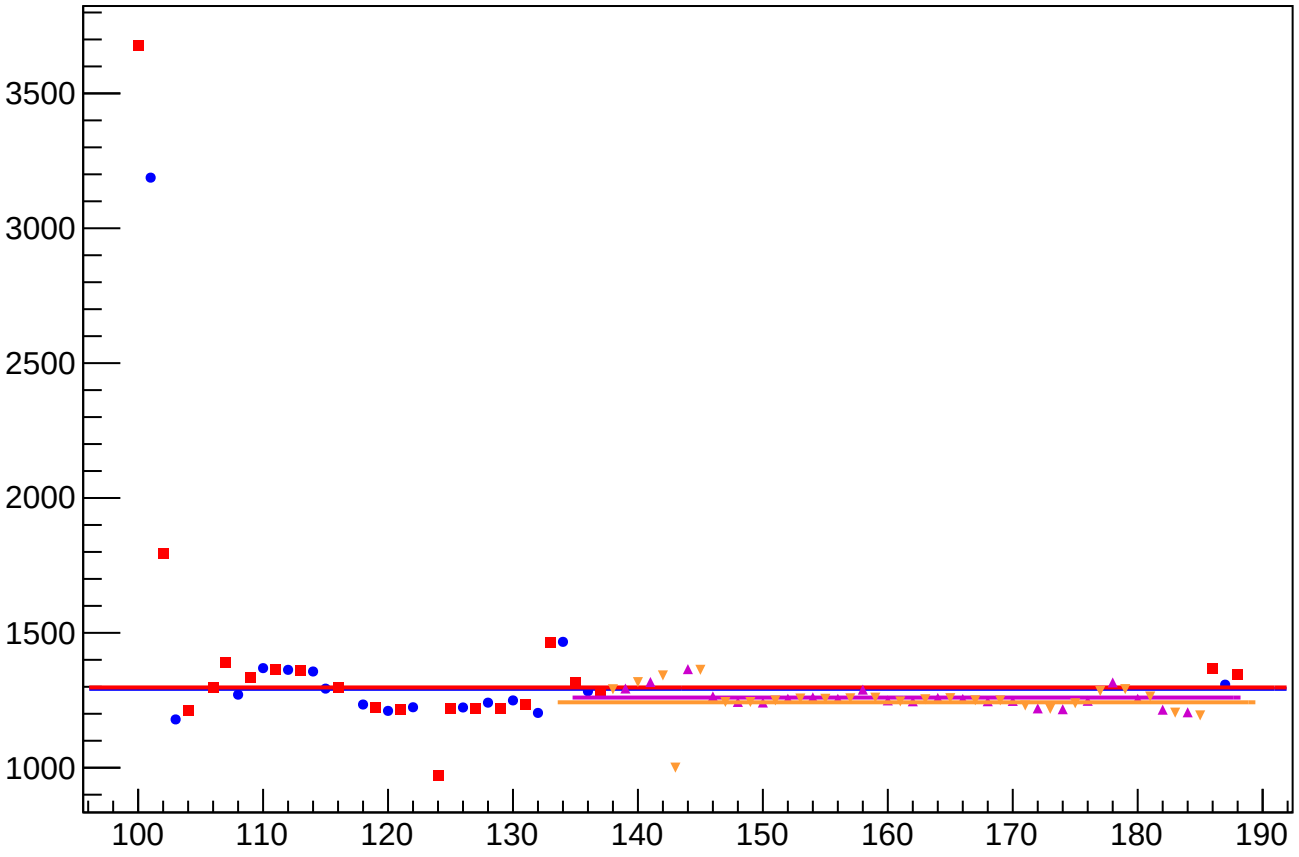
Right Out: 180.947+/-445.342 χ^2/NDF: 18.4/20

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -558.690+/-244.035 χ^2/NDF: 48.1/41

All: -170.050+/-173.093 χ^2/NDF: 102.3/85

- sign 223.441+/-245.554 χ^2/NDF: 49.1/43



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

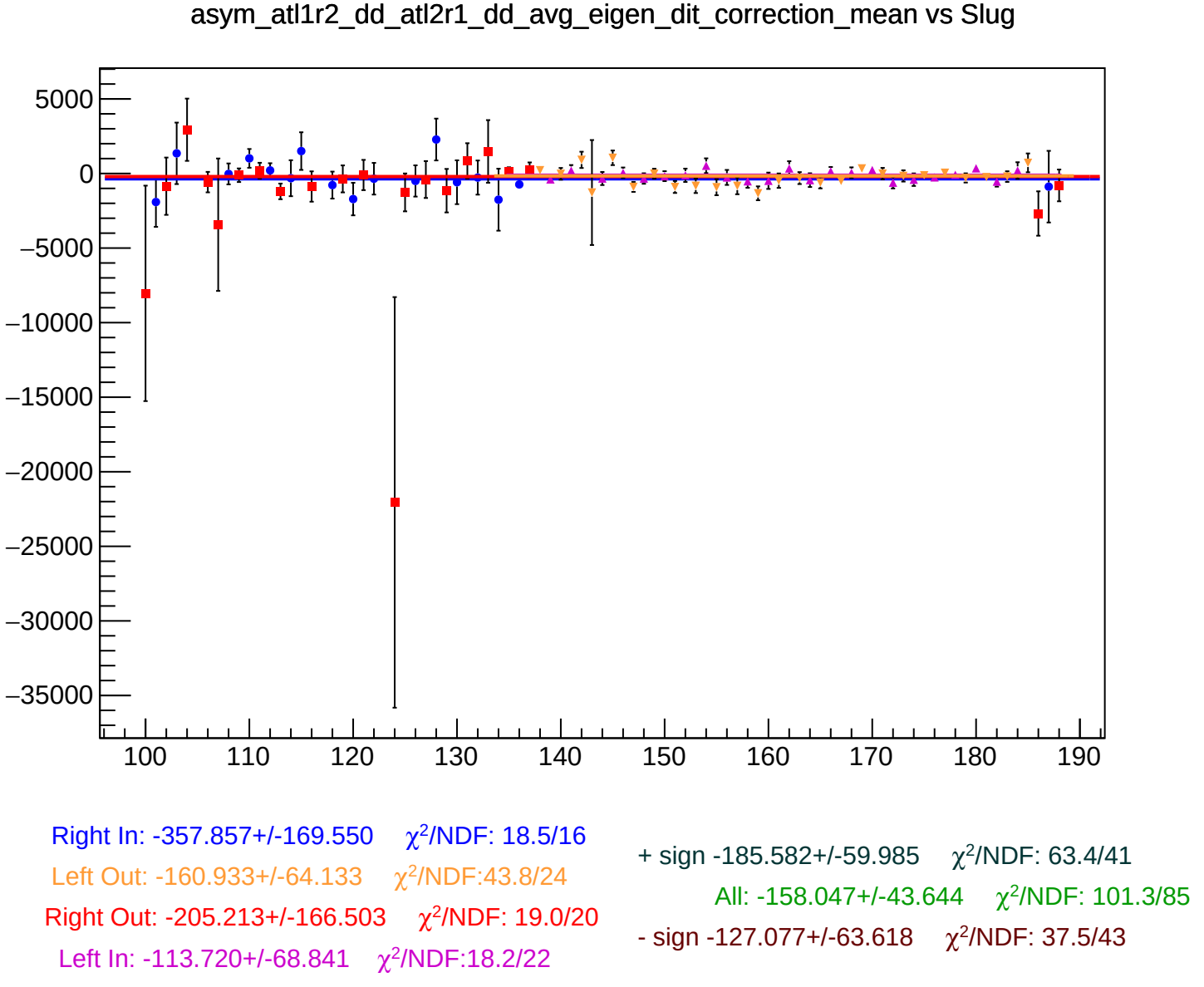
Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.5/20

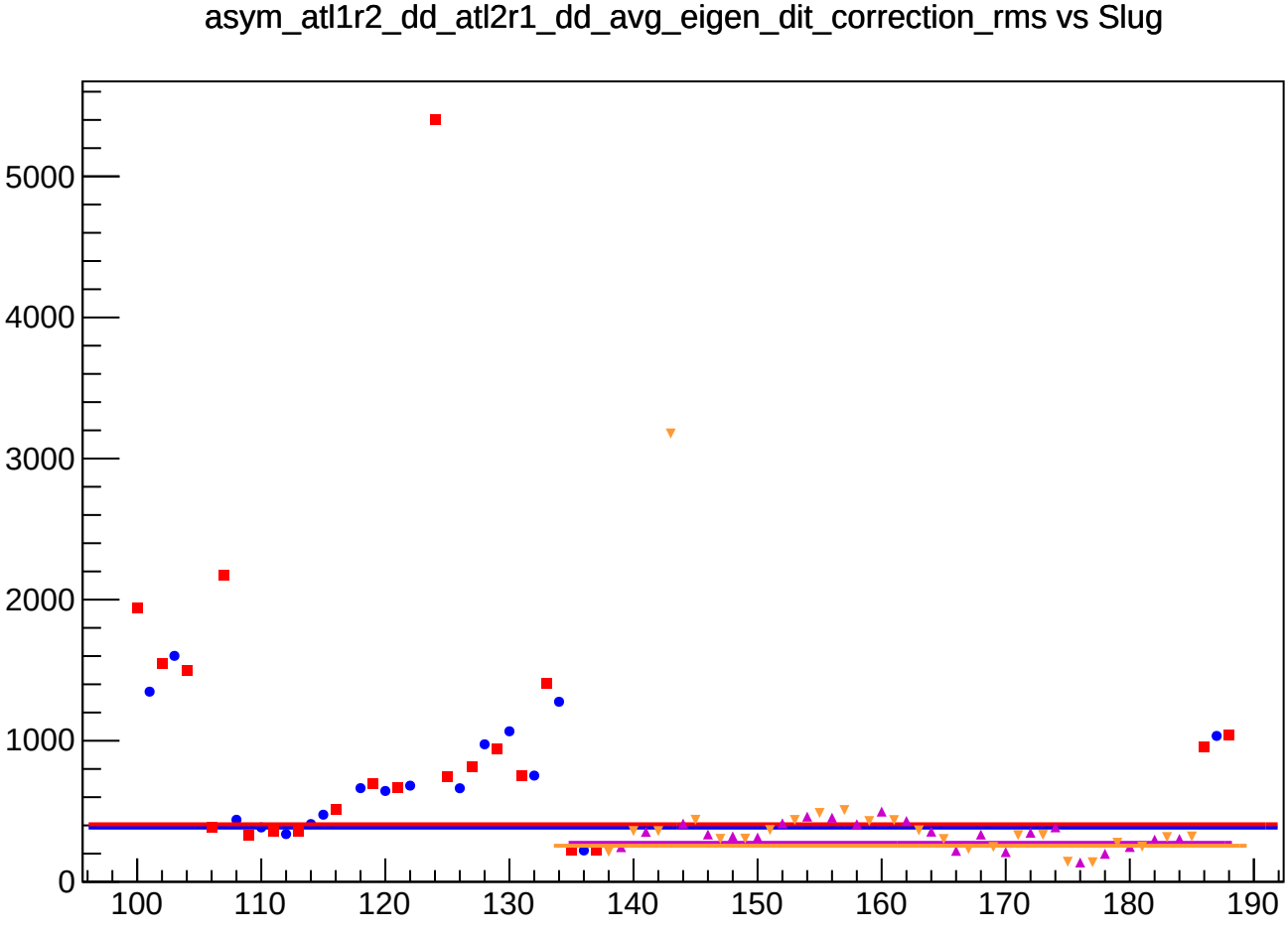
Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1255.267+/-0.173 χ^2/NDF: 655376.5/41

All: 1263.335+/-0.122 χ^2/NDF: 912314.1/85

- sign 1271.504+/-0.174 χ^2/NDF: 252538.3/43


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
100
110
120
130
140
150
160
170
180
190
Right In: -357.857+/-169.550 χ²/NDF: 18.5/16
Left Out: -160.933+/-64.133 χ²/NDF:43.8/24
Right Out: -205.213+/-166.503 χ²/NDF: 19.0/20
Left In: -113.720+/-68.841 χ²/NDF:18.2/22
+ sign -185.582+/-59.985 χ²/NDF: 63.4/41
All: -158.047+/-43.644 χ²/NDF: 101.3/85
- sign -127.077+/-63.618 χ²/NDF: 37.5/43



Right In: 384.611+/-0.120 χ^2/NDF: 4464683.2/16

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 407.829+/-0.118 χ^2/NDF: 5574173.8/20

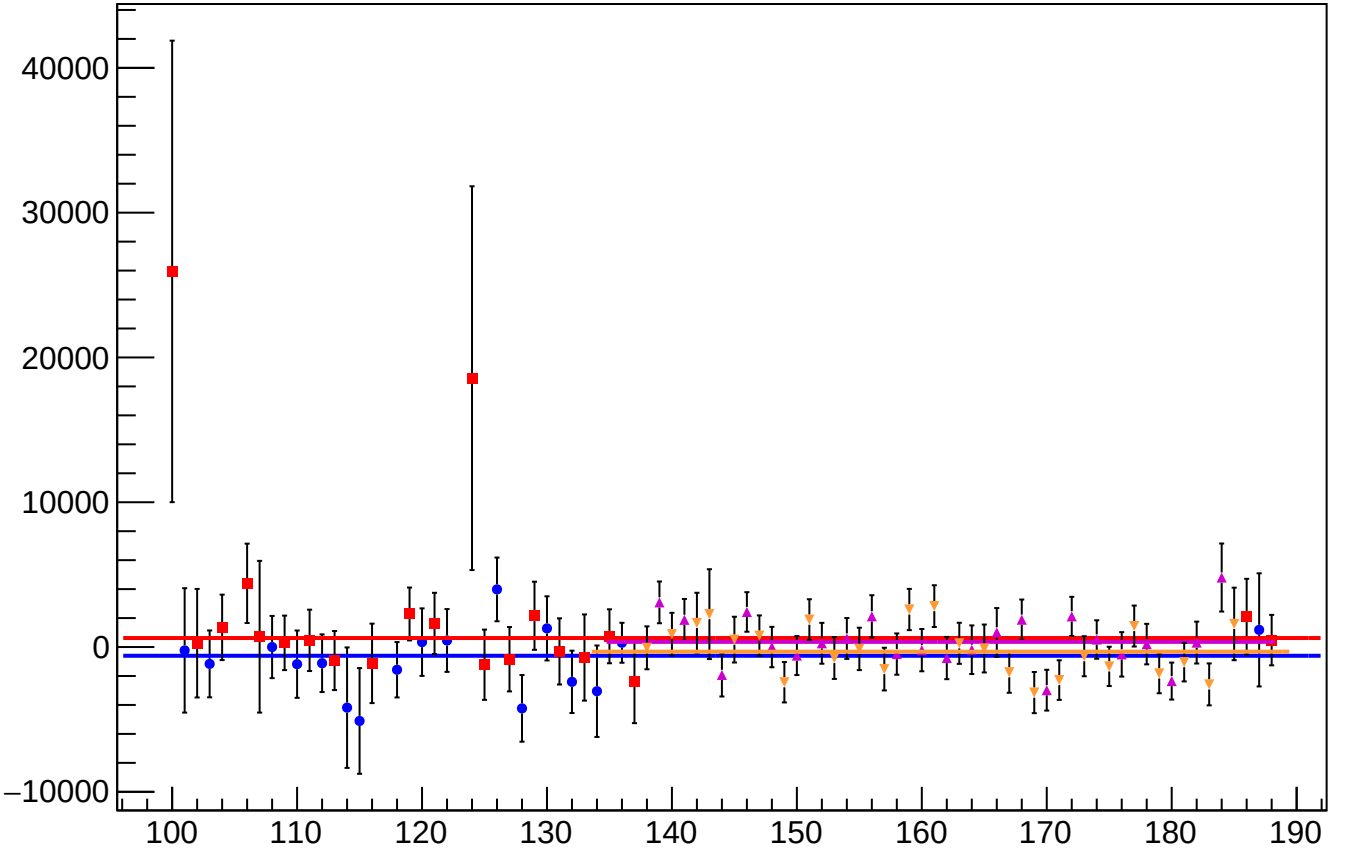
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 271.896+/-0.042 χ^2/NDF: 11848862.9/41

All: 283.005+/-0.031 χ^2/NDF: 22662017.2/85

- sign 295.500+/-0.045 χ^2/NDF: 10667406.0/43

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -603.500+/-558.568 χ^2/NDF: 12.7/16

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 622.044+/-527.838 χ^2/NDF: 11.7/20

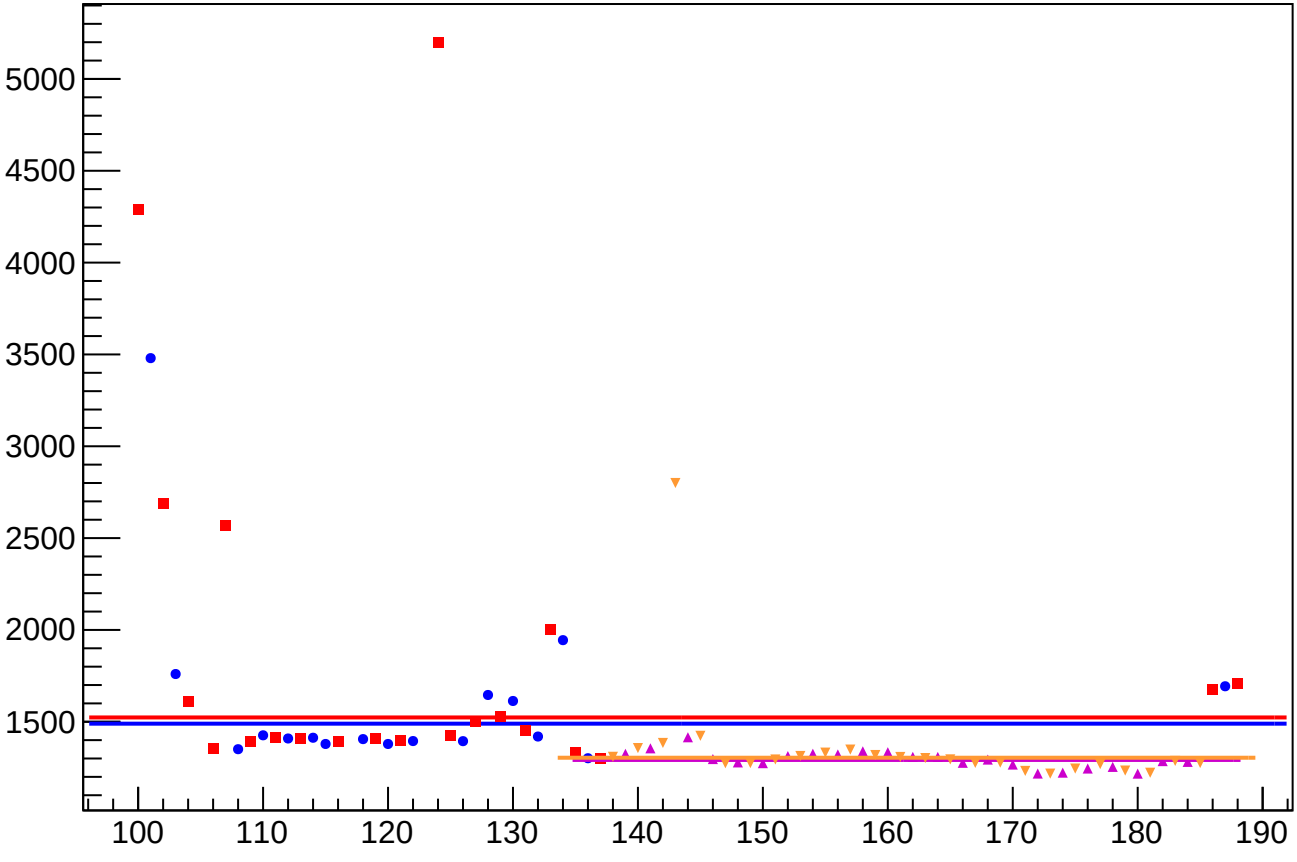
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -382.703+/-263.108 χ^2/NDF: 44.4/41

All: 21.182+/-185.675 χ^2/NDF: 90.7/85

- sign 421.871+/-262.065 χ^2/NDF: 41.5/43

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1489.621+/-0.395 χ^2/NDF: 590020.8/16

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

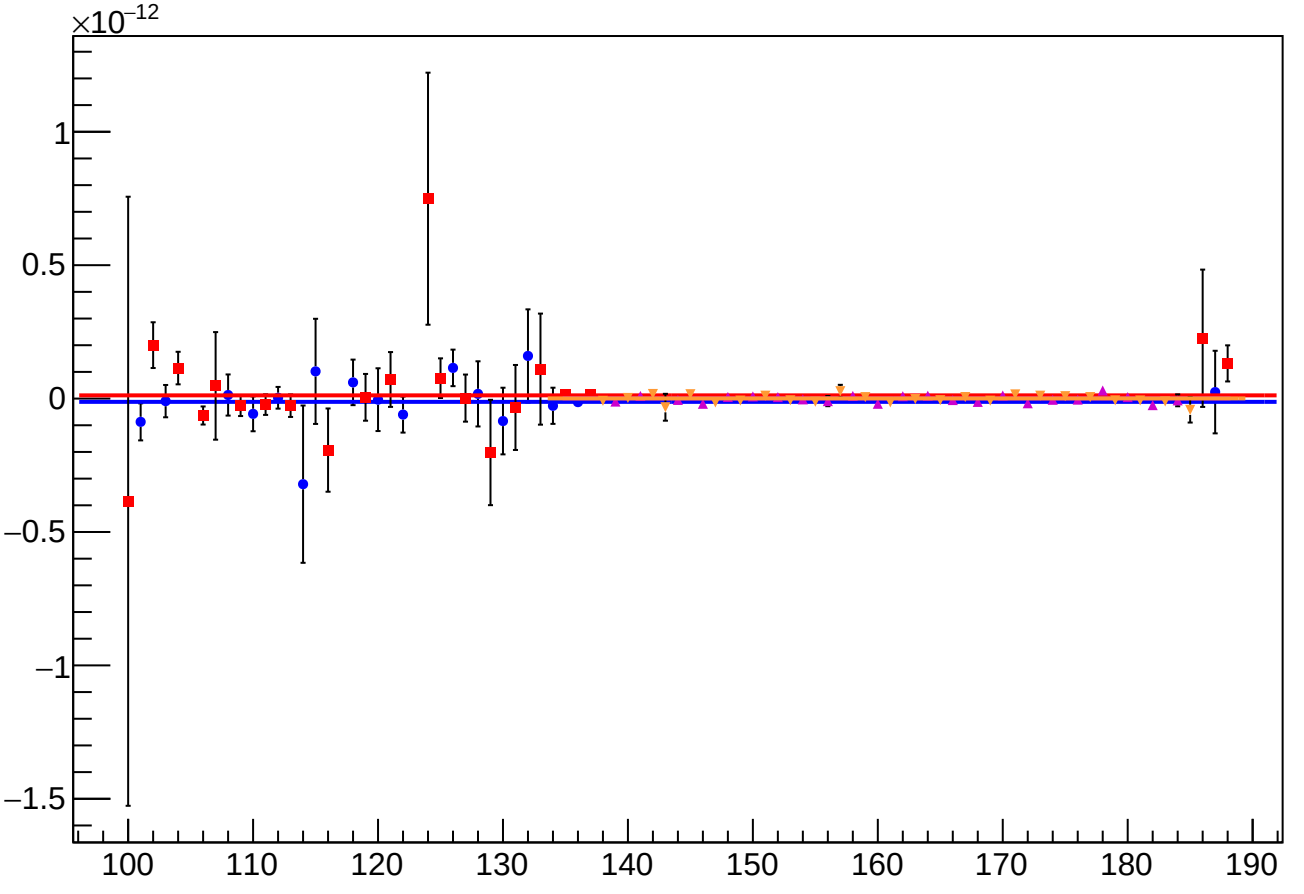
Right Out: 1523.482+/-0.373 χ^2/NDF: 656715.2/20

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1345.307+/-0.186 χ^2/NDF: 1281203.2/41

All: 1347.238+/-0.131 χ^2/NDF: 2276002.9/85

- sign 1349.153+/-0.185 χ^2/NDF: 994585.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

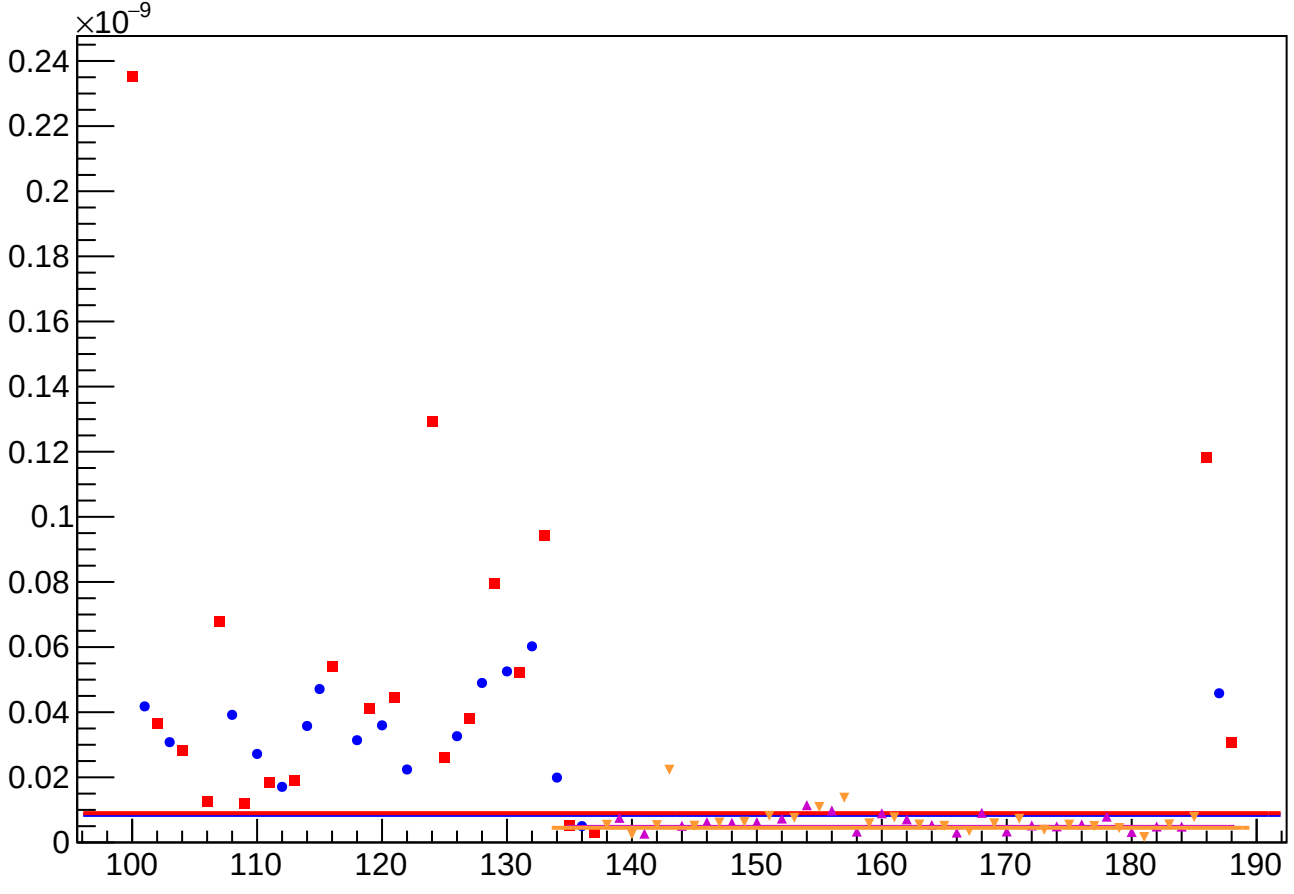
Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/20

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.7/41

All: 0.000+/-0.000 χ^2/NDF: 94.7/85

- sign 0.000+/-0.000 χ^2/NDF: 57.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 3176393.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

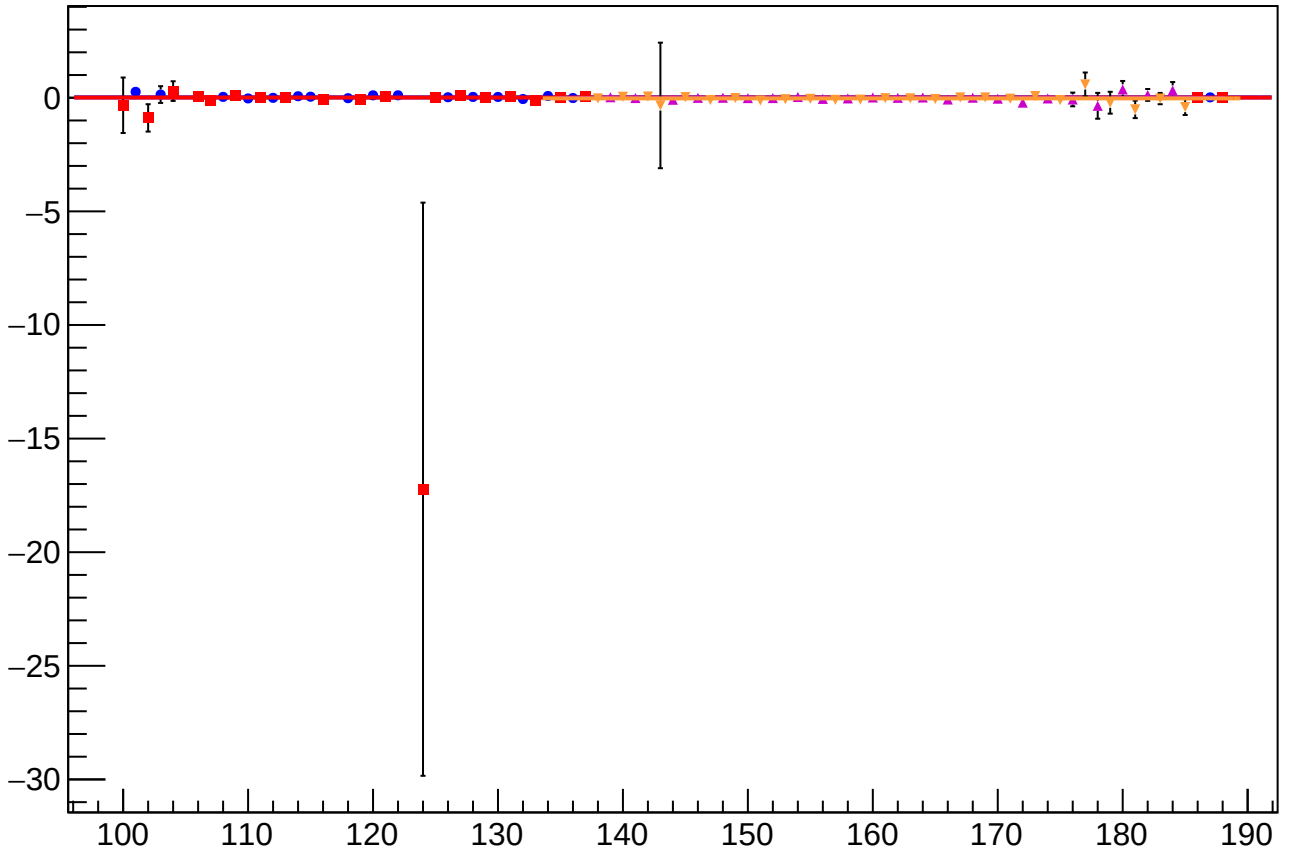
Right Out: 0.000+/-0.000 χ^2/NDF: 3922083.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6428230.6/41

All: 0.000+/-0.000 χ^2/NDF: 12785873.0/85

- sign 0.000+/-0.000 χ^2/NDF: 6333308.7/43



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

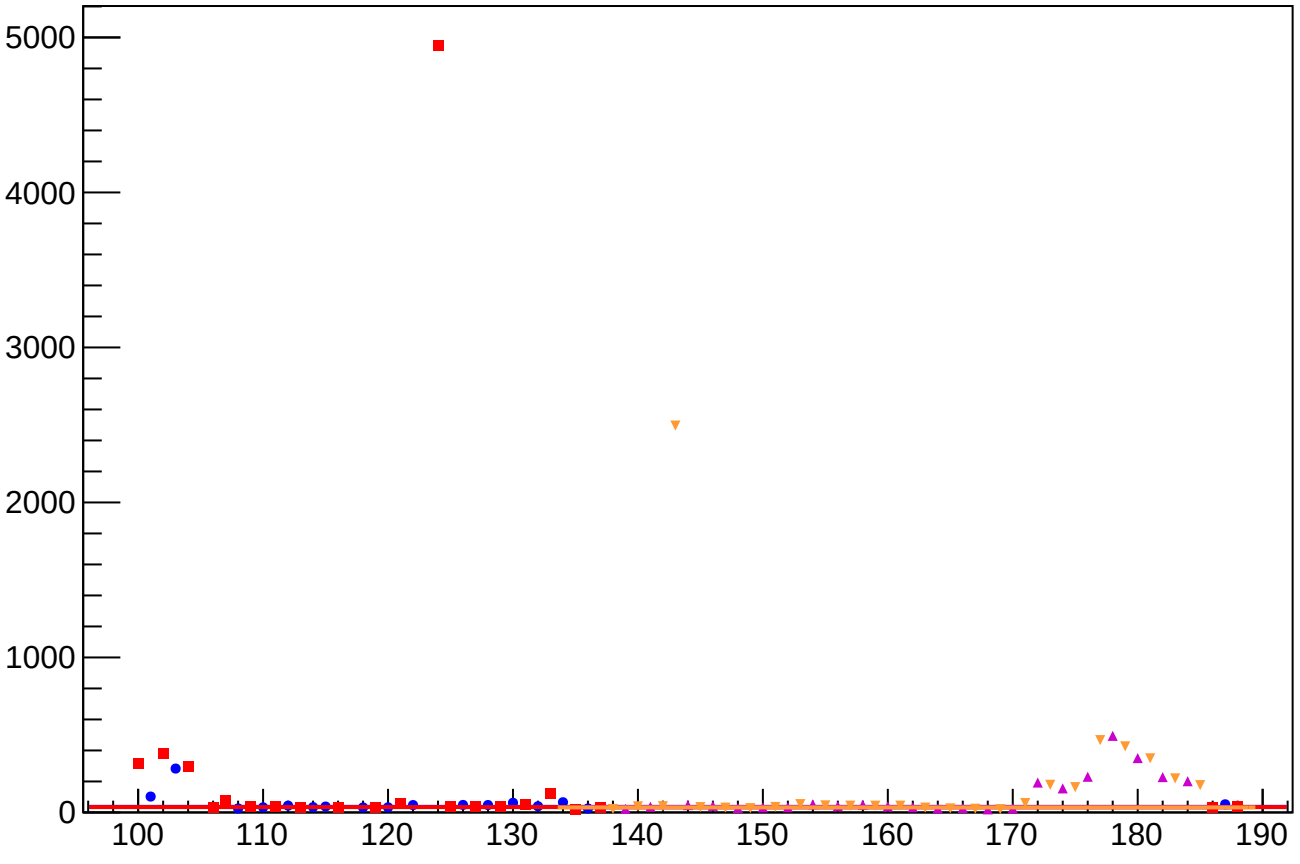
Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/85

\- sign -0.005+/-0.008 χ^2/NDF: 31.1/43



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

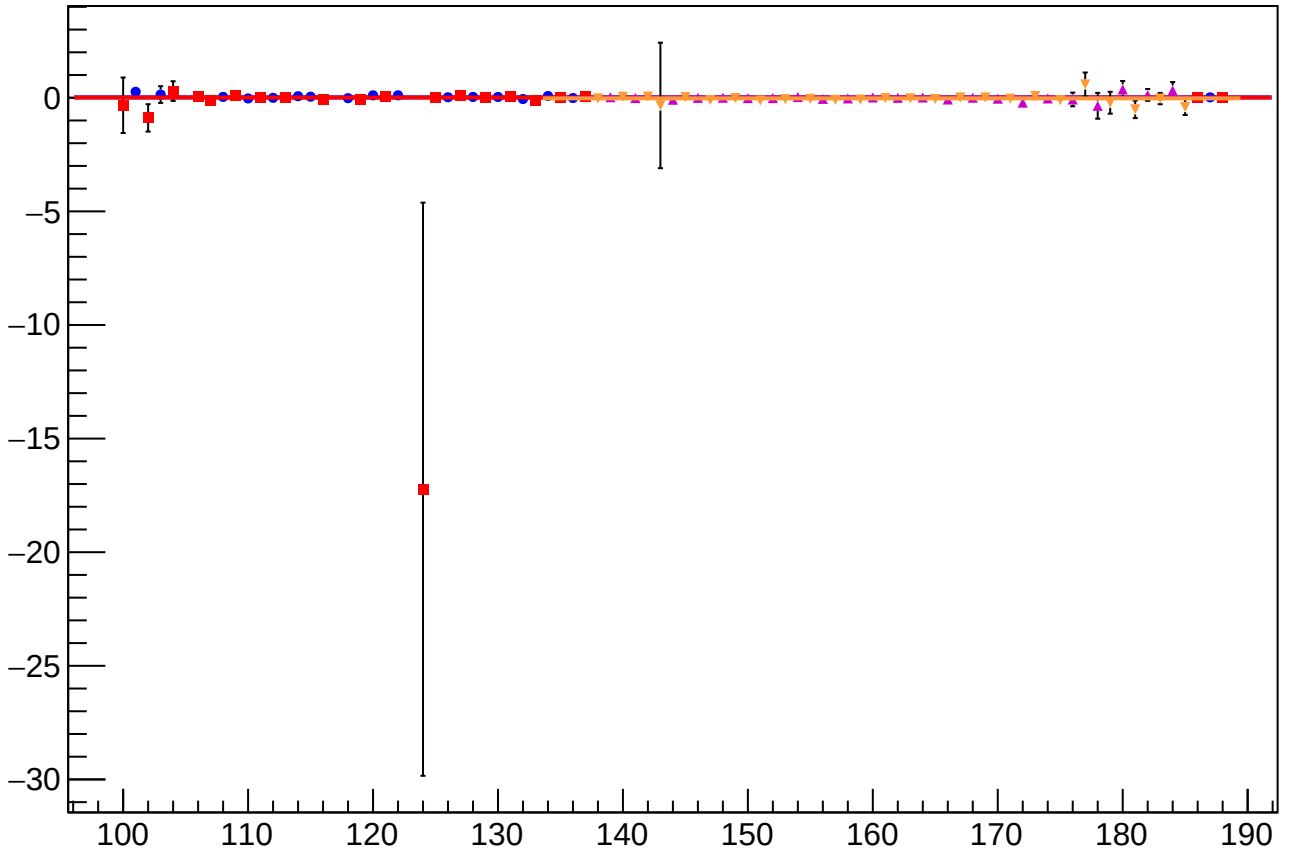
Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.509+/-0.006 χ^2/NDF: 13244847.8/41

All: 33.413+/-0.004 χ^2/NDF: 25176085.3/85

- sign 33.322+/-0.006 χ^2/NDF: 11930688.7/43



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

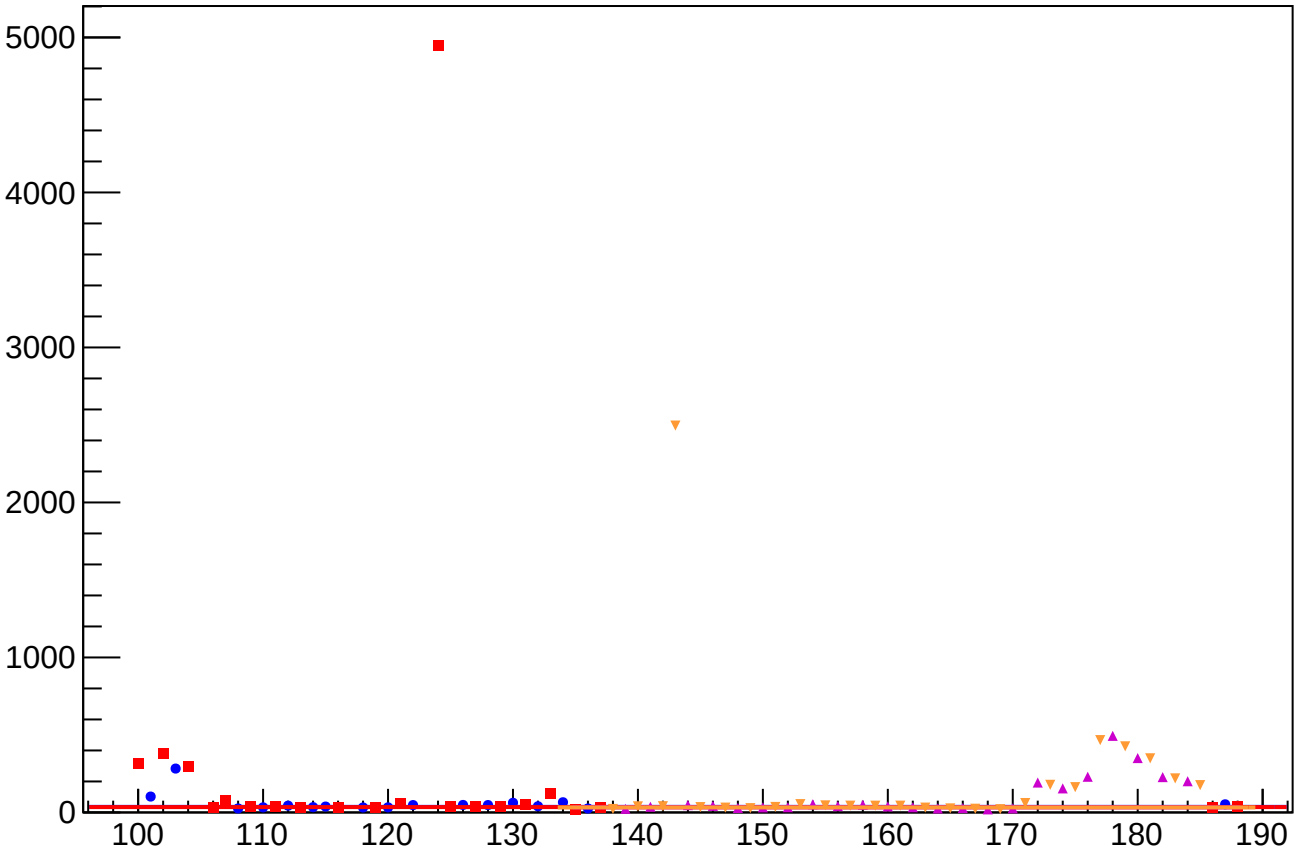
Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/85

- sign -0.005+/-0.008 χ^2/NDF: 31.1/43



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

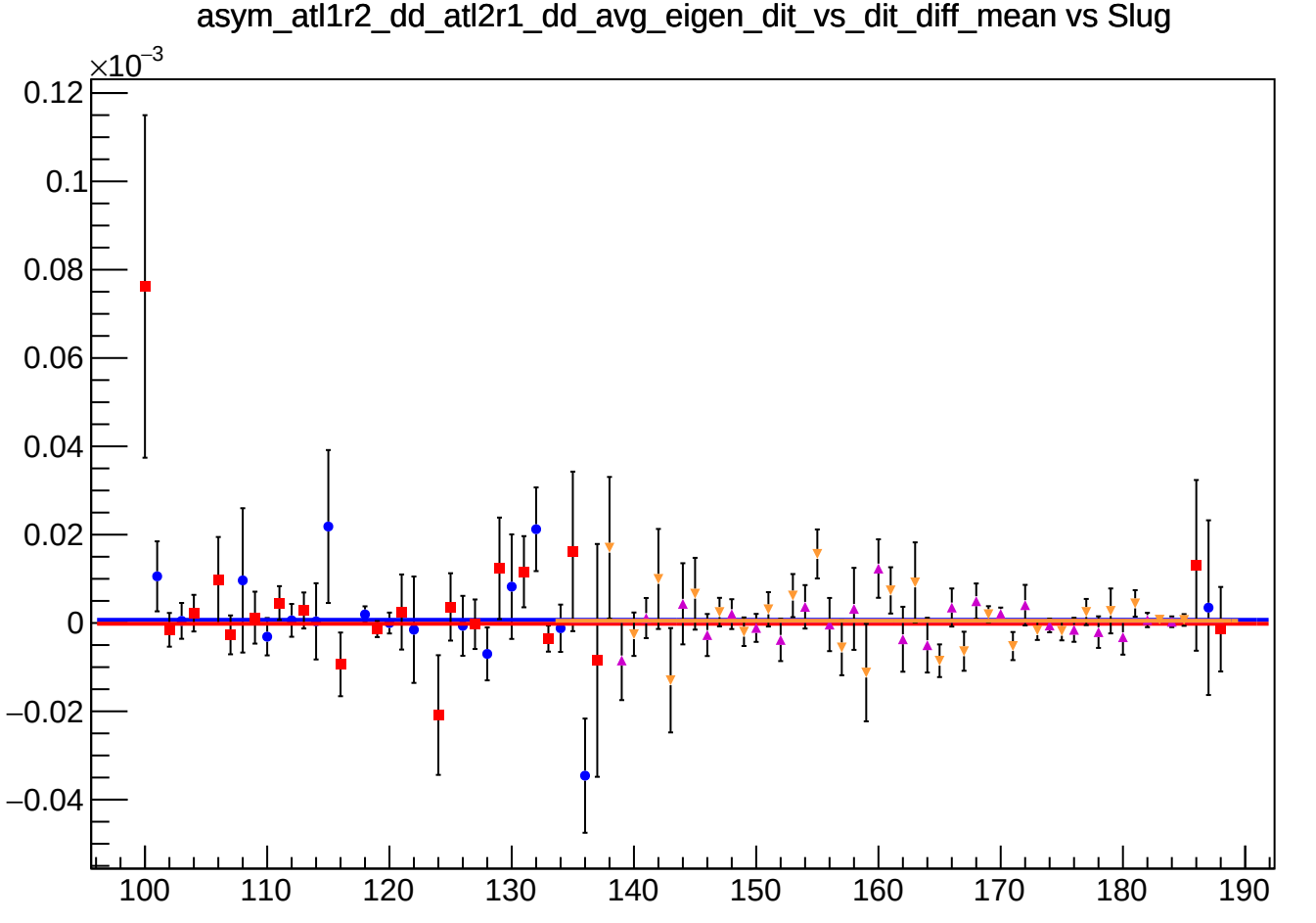
Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

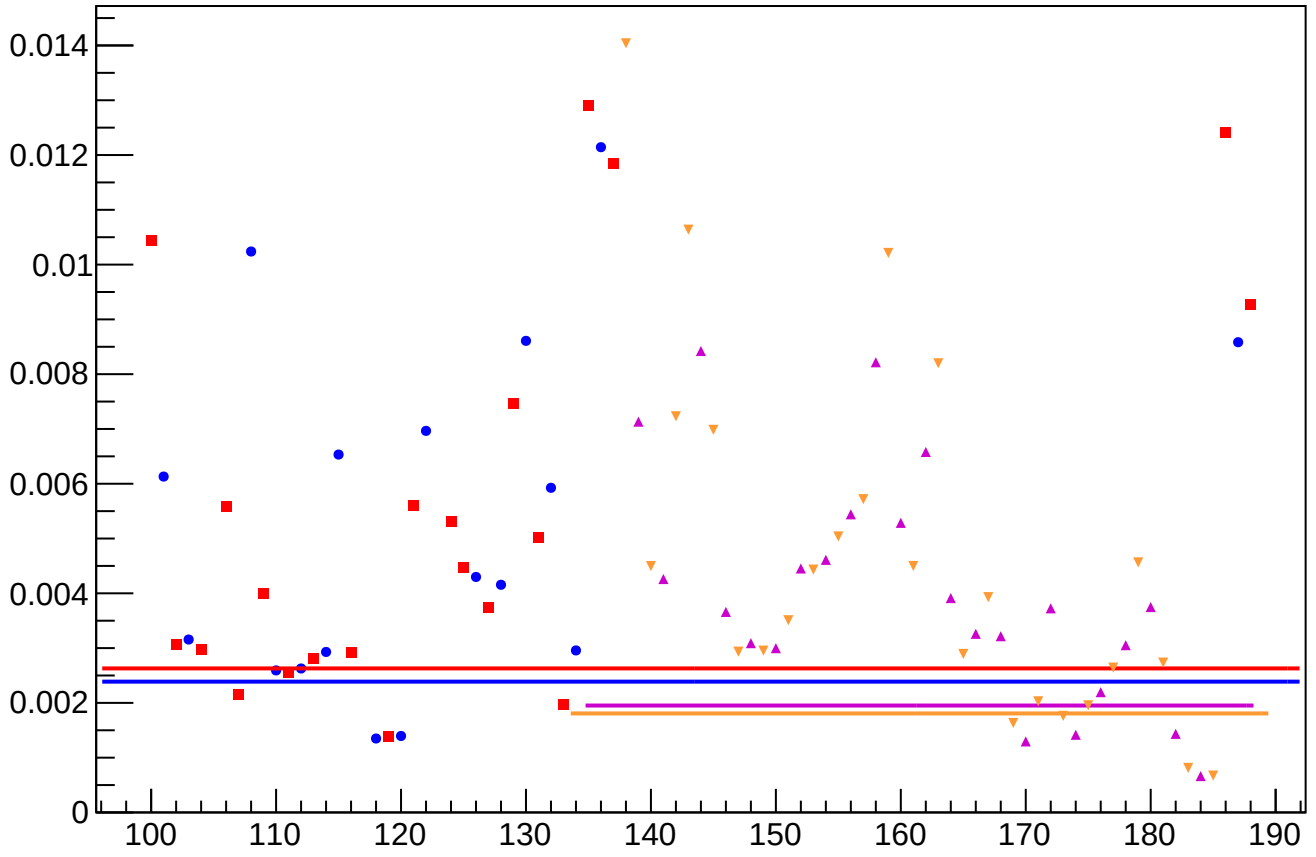
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.509+/-0.006 χ^2/NDF: 13244847.8/41

All: 33.413+/-0.004 χ^2/NDF: 25176085.3/85

- sign 33.322+/-0.006 χ^2/NDF: 11930688.7/43


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.1/16
Left Out: 0.000+/-0.000 χ²/NDF:35.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 18.6/20
Left In: 0.000+/-0.000 χ²/NDF:13.7/22
+ sign 0.000+/-0.000 χ²/NDF: 54.9/41
All: 0.000+/-0.000 χ²/NDF: 87.5/85
- sign 0.000+/-0.000 χ²/NDF: 32.5/43



Right In: 0.002+/-0.000 χ^2/NDF: 4918460.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

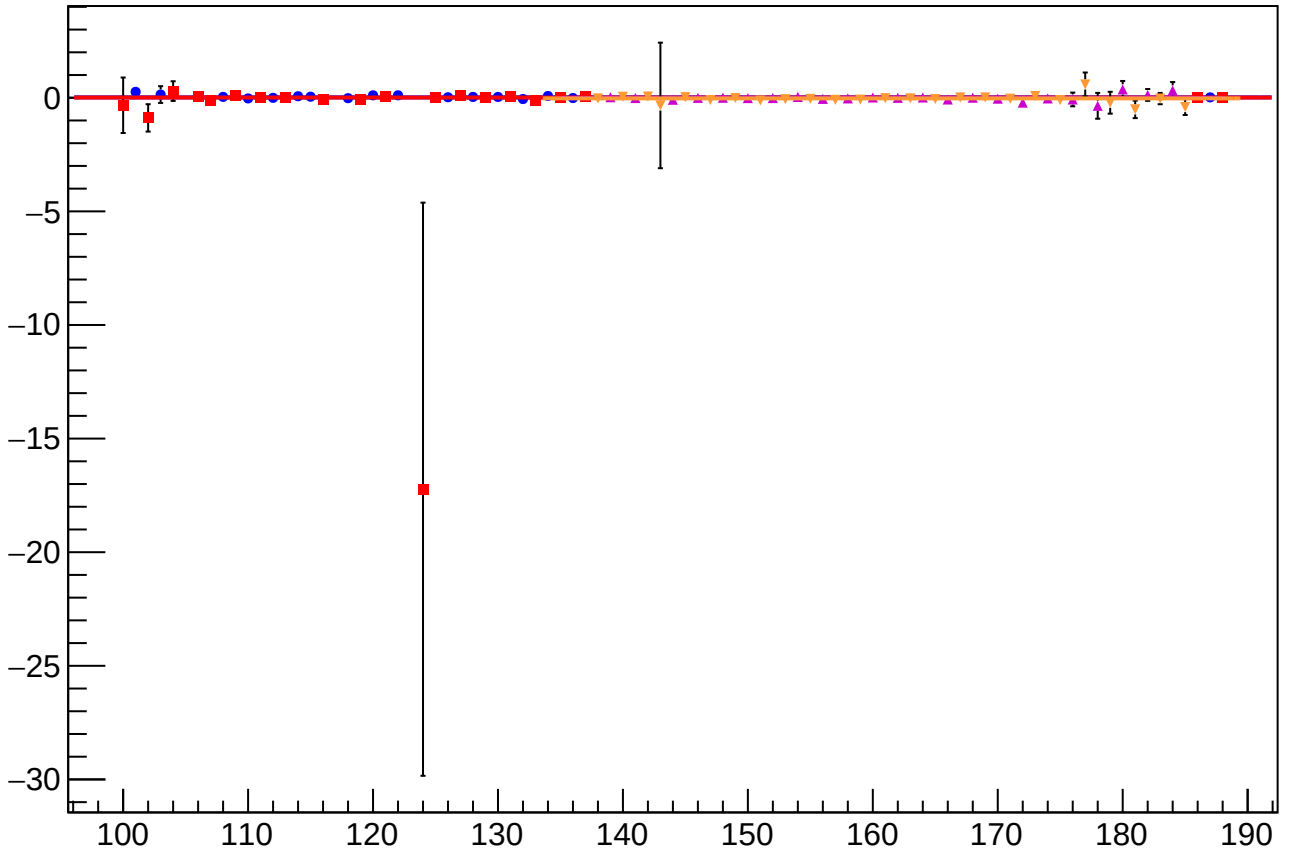
Right Out: 0.003+/-0.000 χ^2/NDF: 4894314.9/20

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 20302926.3/41

All: 0.002+/-0.000 χ^2/NDF: 37447686.5/85

- sign 0.002+/-0.000 χ^2/NDF: 17000817.1/43



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

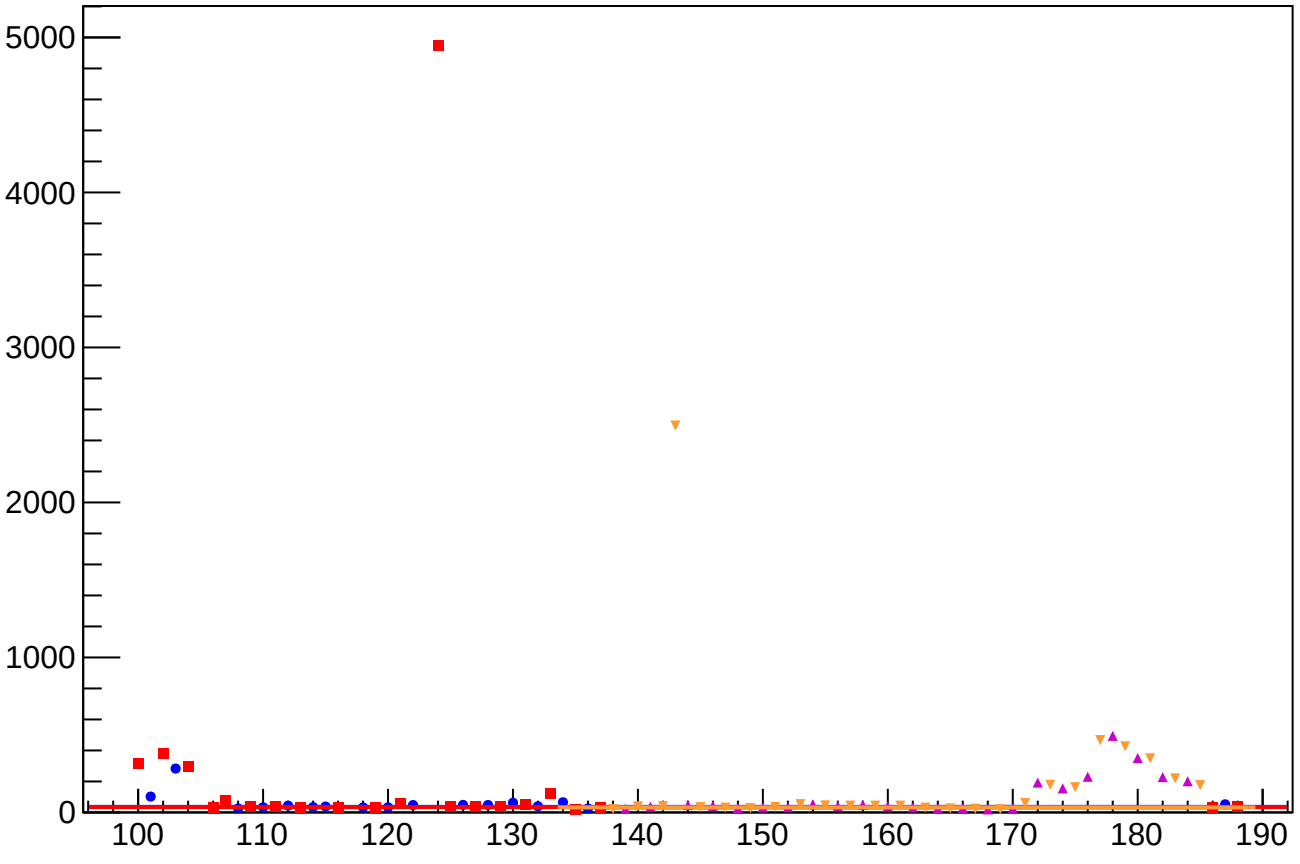
Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/85

- sign -0.005+/-0.008 χ^2/NDF: 31.1/43



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

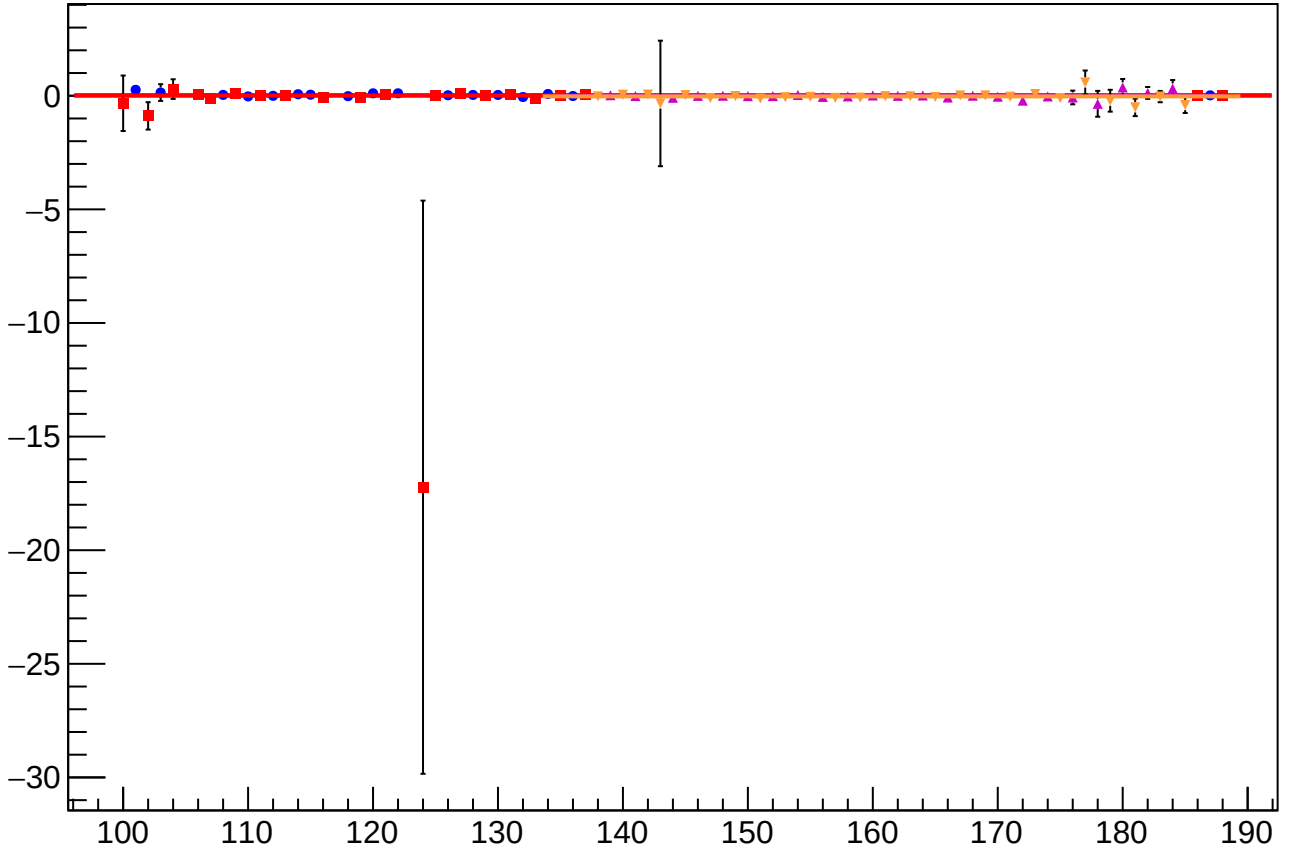
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.509+/-0.006 χ^2/NDF: 13244882.2/41

All: 33.413+/-0.004 χ^2/NDF: 25176621.7/85

- sign 33.321+/-0.006 χ^2/NDF: 11931184.4/43

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

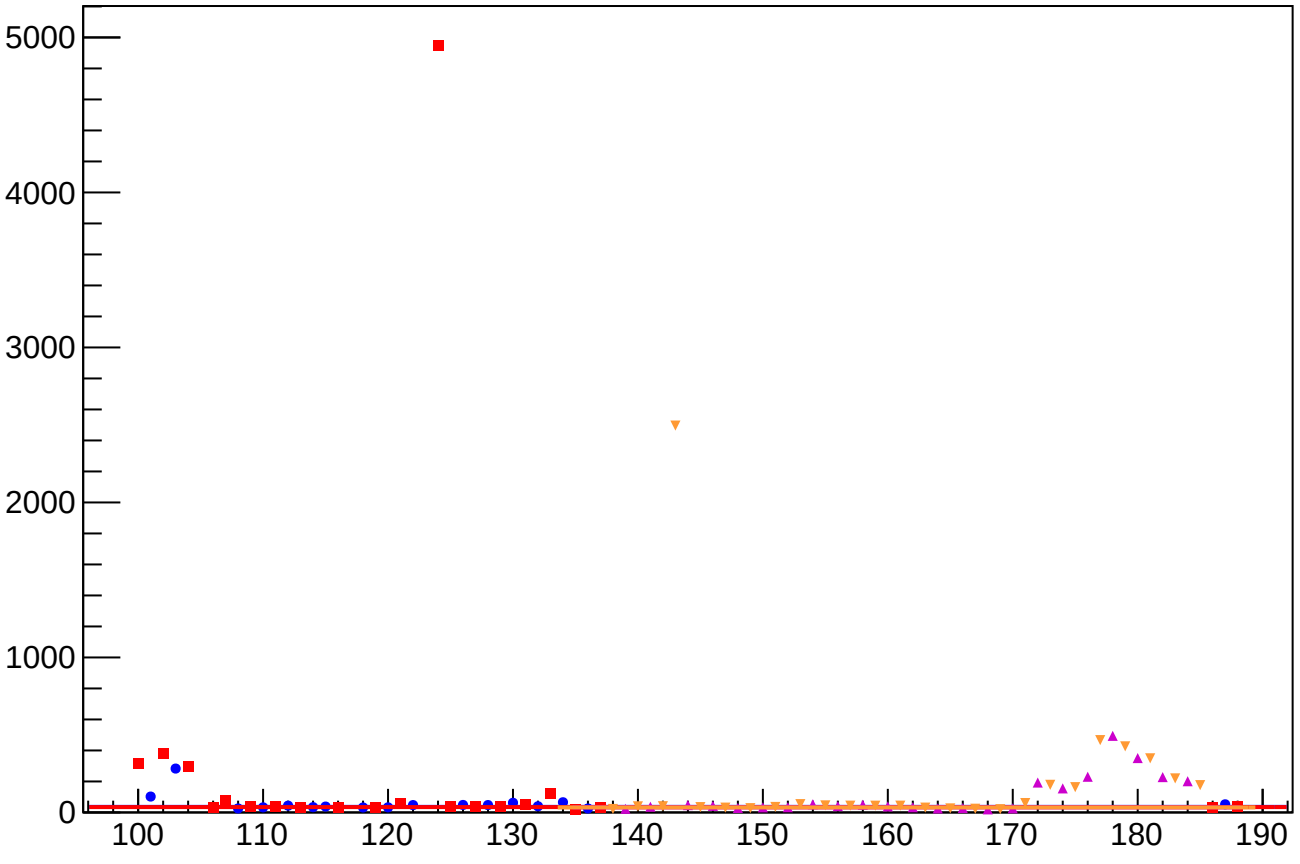
Right Out: 0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/85

- sign -0.005+/-0.008 χ^2/NDF: 31.1/43



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

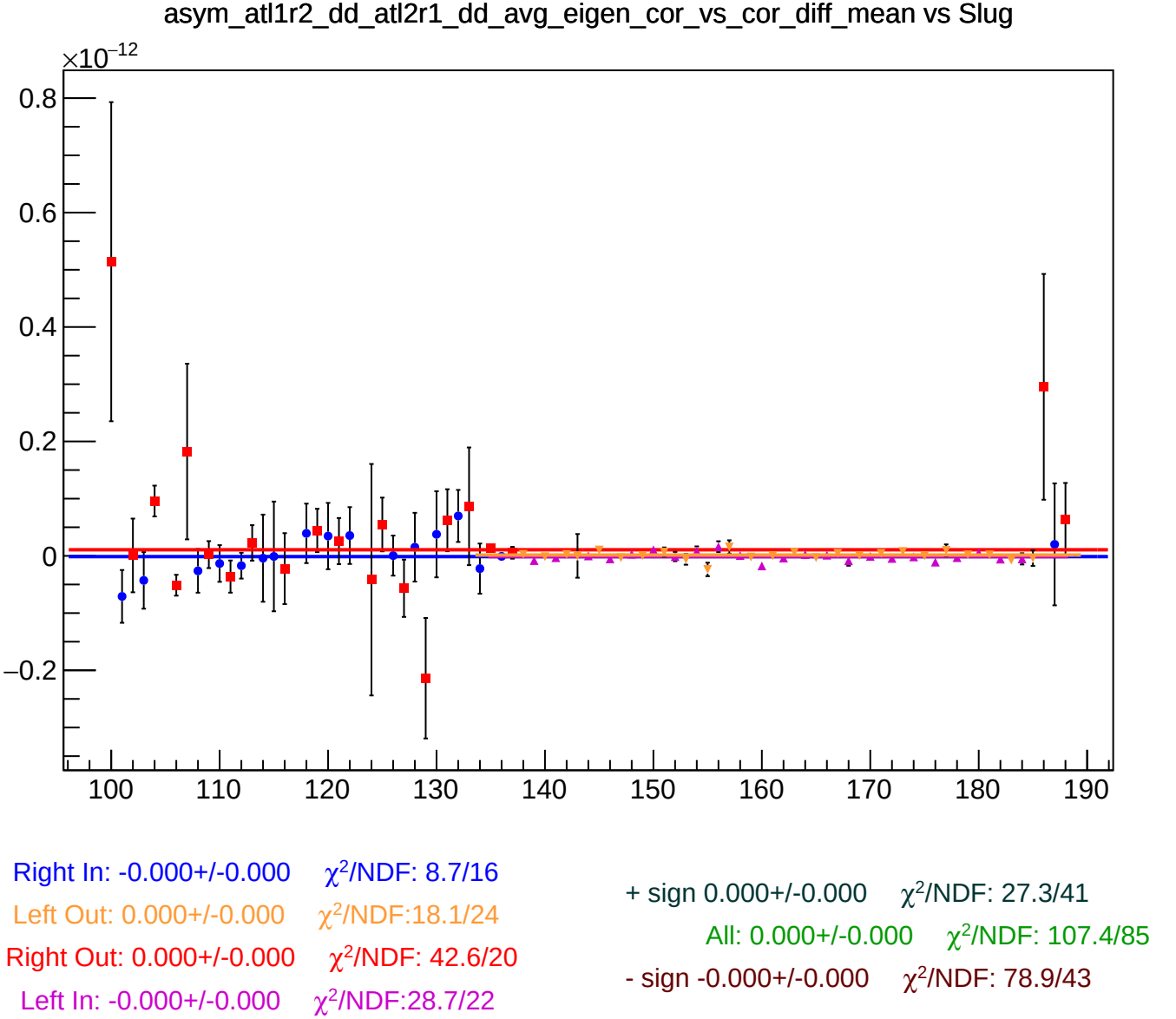
Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

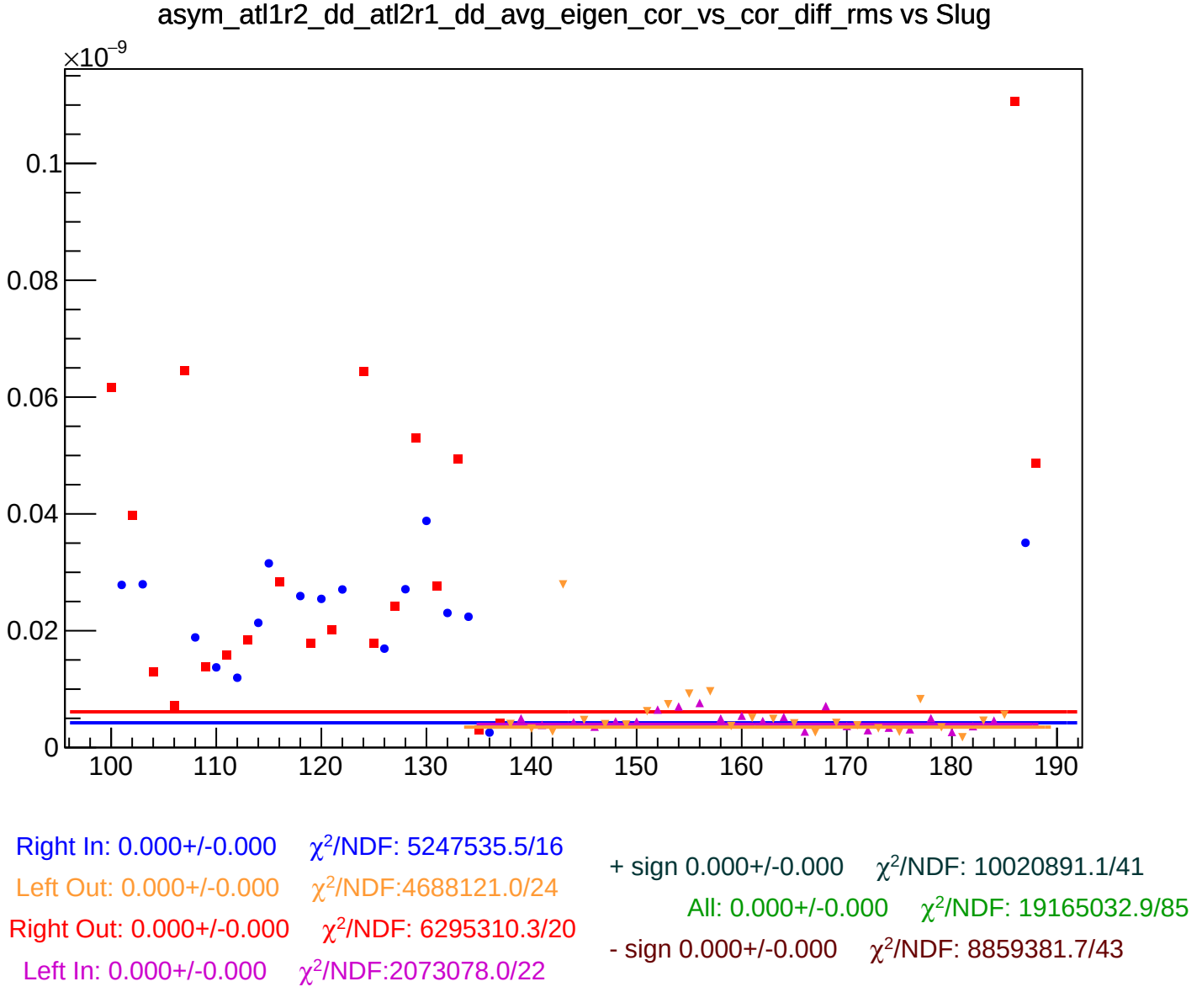
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

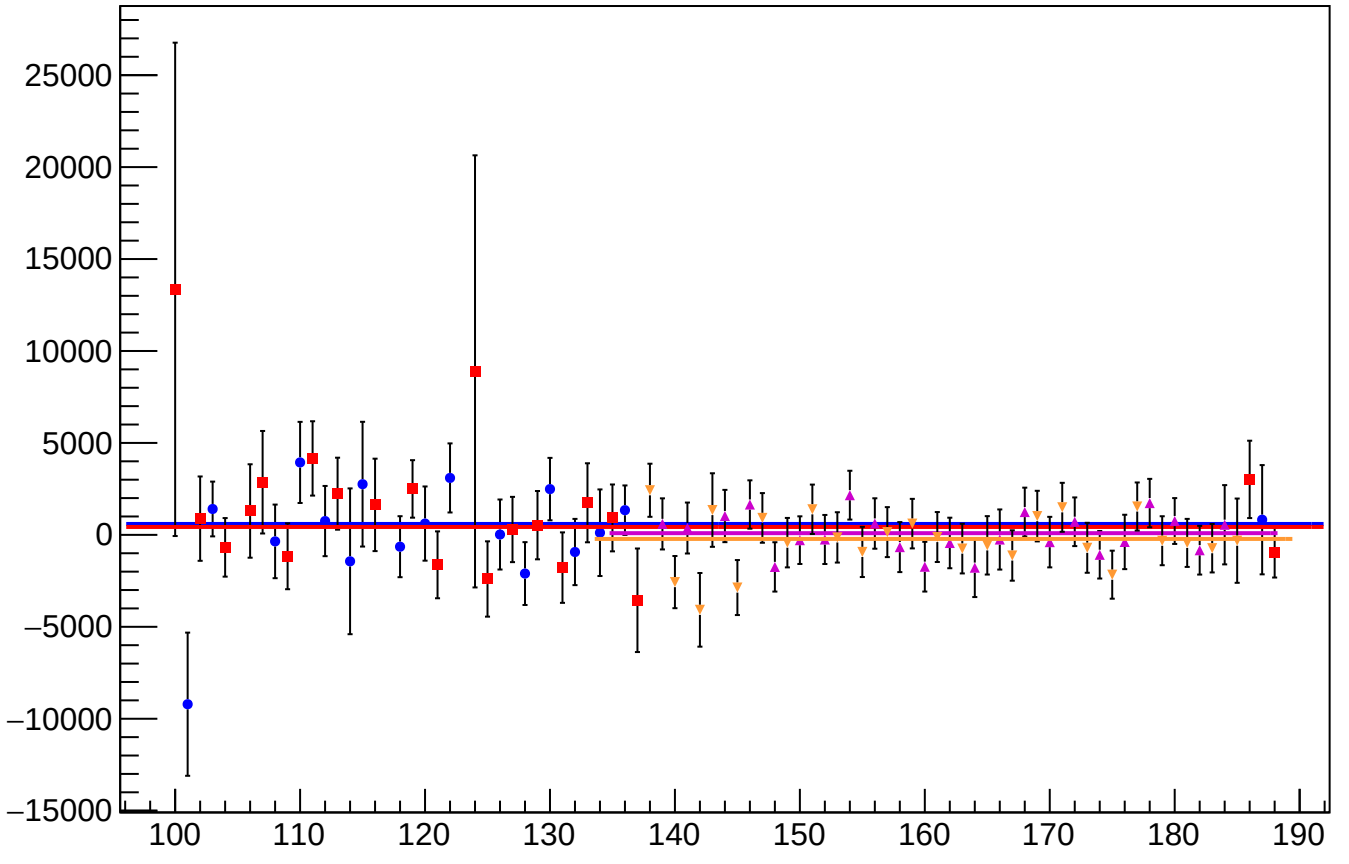
+ sign 33.509+/-0.006 χ^2/NDF: 13244882.2/41

All: 33.413+/-0.004 χ^2/NDF: 25176621.7/85

- sign 33.321+/-0.006 χ^2/NDF: 11931184.4/43


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 8.7/16
Left Out: 0.000+/-0.000 χ²/NDF:18.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 42.6/20
Left In: -0.000+/-0.000 χ²/NDF:28.7/22
+ sign 0.000+/-0.000 χ²/NDF: 27.3/41
All: 0.000+/-0.000 χ²/NDF: 107.4/85
- sign -0.000+/-0.000 χ²/NDF: 78.9/43


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 5247535.5/16
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 6295310.3/20
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 10020891.1/41
All: 0.000+/-0.000 χ²/NDF: 19165032.9/85
- sign 0.000+/-0.000 χ²/NDF: 8859381.7/43



Right In: 593.024+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 430.074+/-442.880 χ^2/NDF: 19.4/20

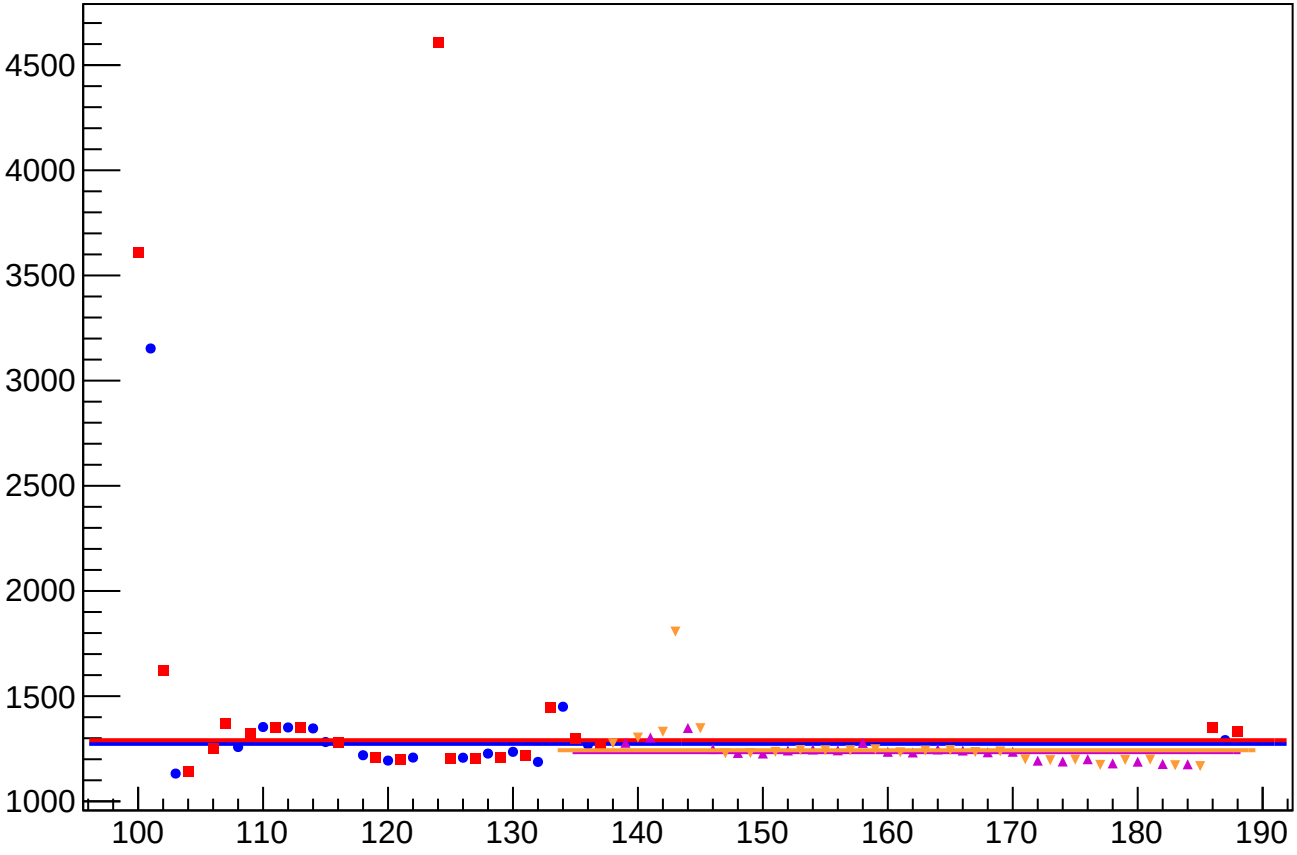
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

\+ sign -8.271+/-243.316 χ^2/NDF: 43.2/41

All: 93.021+/-171.429 χ^2/NDF: 78.0/85

\- sign 192.863+/-241.568 χ^2/NDF: 34.5/43

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1273.276+/-0.337 χ^2/NDF: 519372.5/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

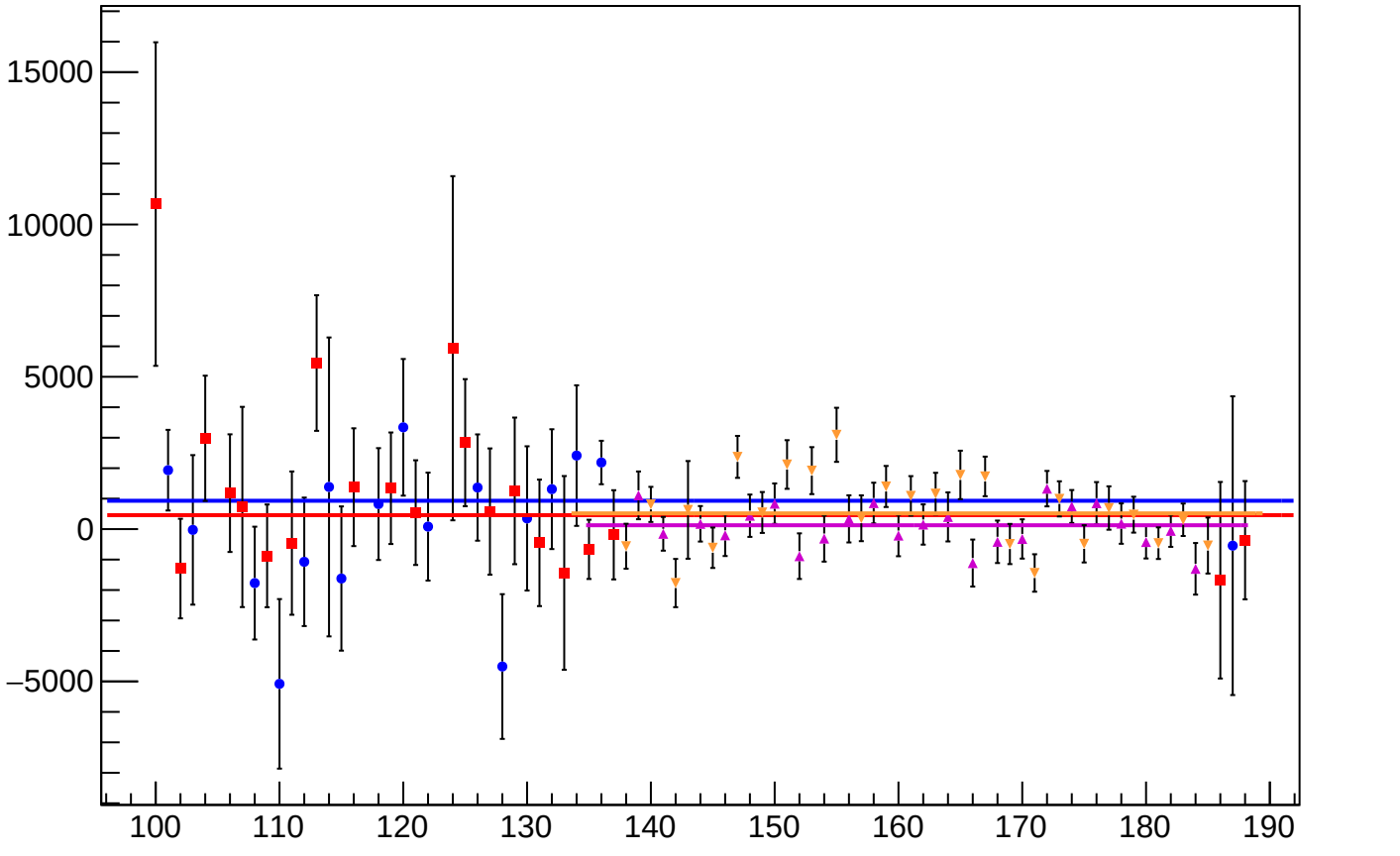
Right Out: 1290.531+/-0.313 χ^2/NDF: 326092.8/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1250.775+/-0.172 χ^2/NDF: 728714.8/41

All: 1250.709+/-0.121 χ^2/NDF: 1117182.3/85

- sign 1250.645+/-0.171 χ^2/NDF: 388467.2/43



Right In: 930.636+/-424.240 χ^2/NDF: 20.0/16

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

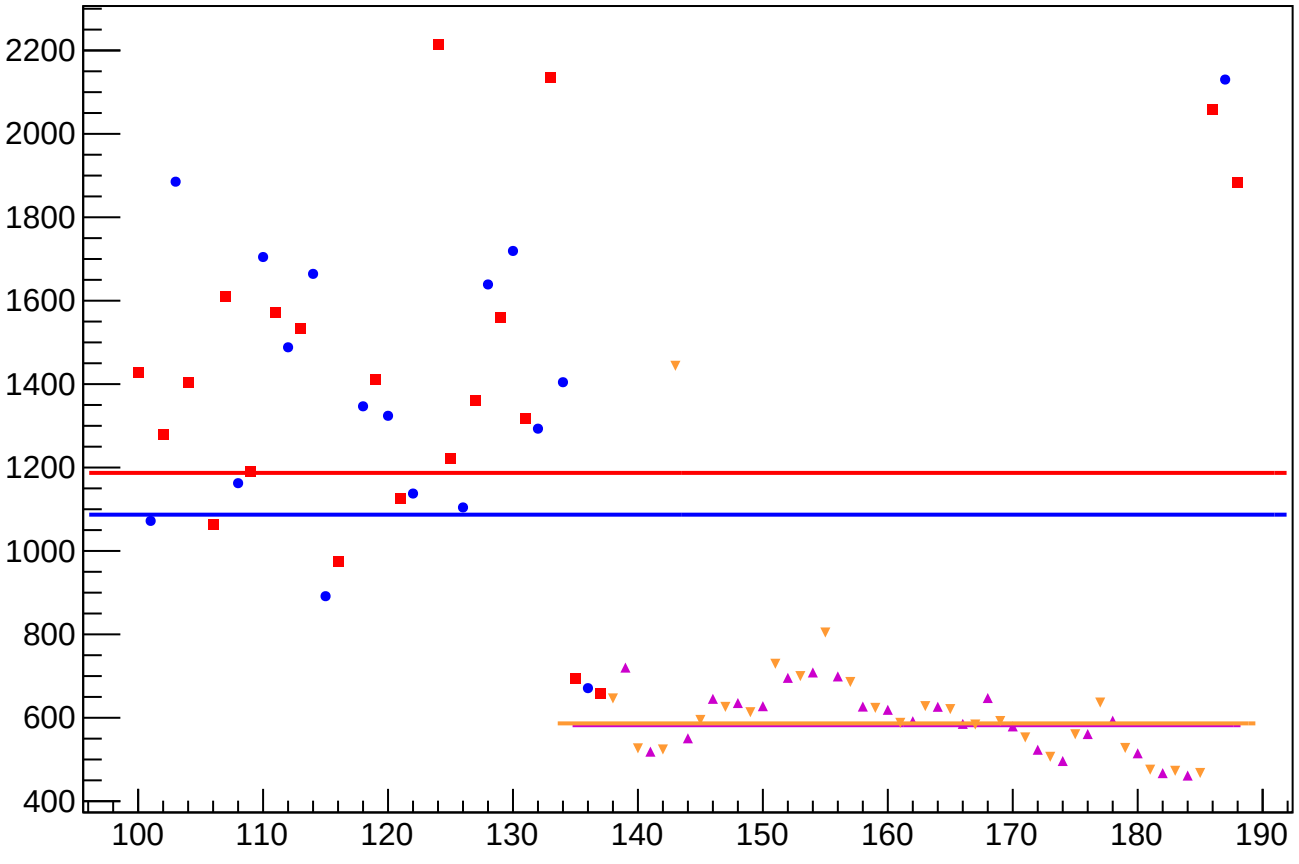
Right Out: 458.611+/-425.275 χ^2/NDF: 17.8/20

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

\+ sign 555.228+/-129.289 χ^2/NDF: 87.9/41

All: 358.613+/-91.892 χ^2/NDF: 132.5/85

\- sign 157.898+/-130.630 χ^2/NDF: 39.9/43



Right In: 1086.989+/-0.300 χ^2/NDF: 1573454.6/16

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1187.148+/-0.301 χ^2/NDF: 1724492.9/20

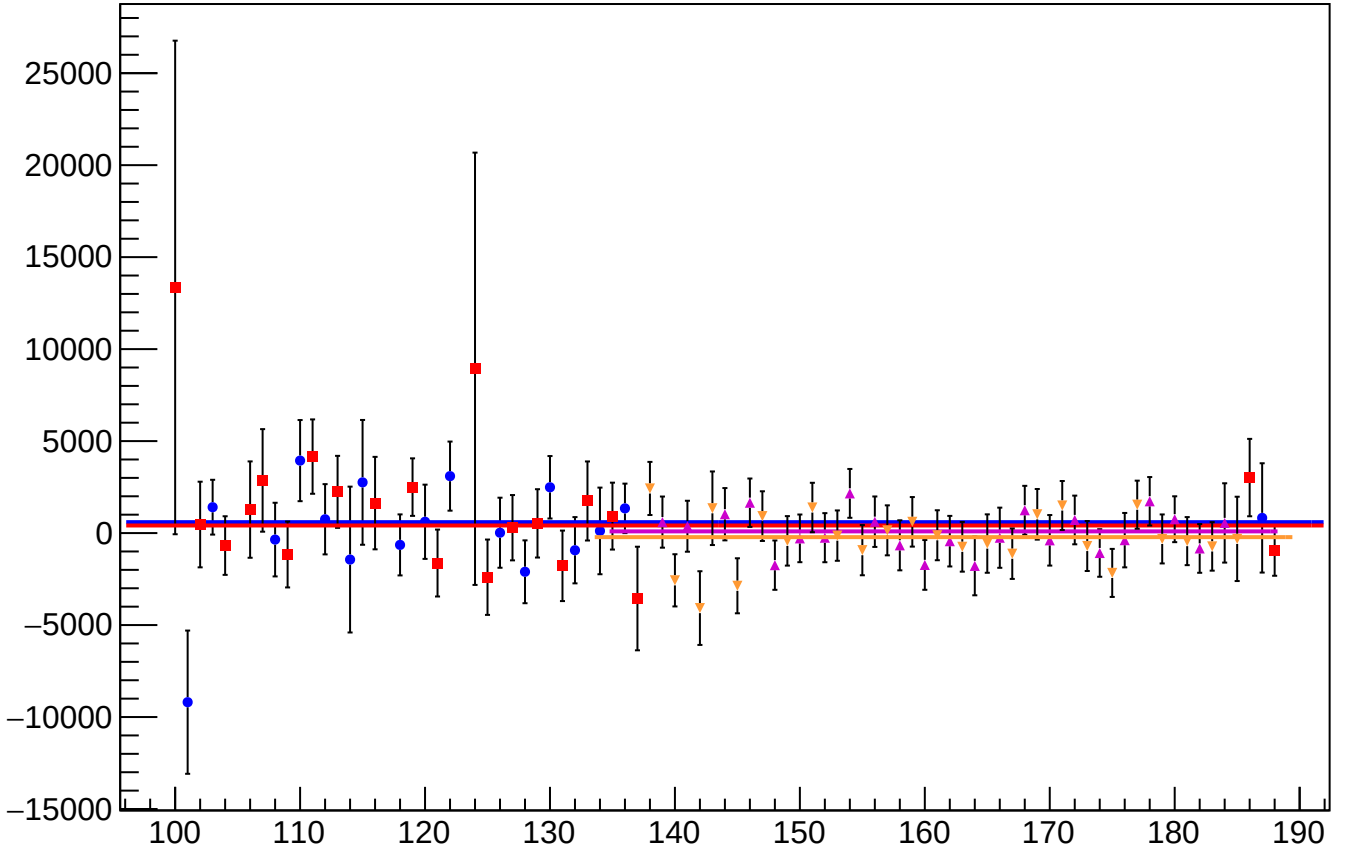
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 633.035+/-0.091 χ^2/NDF: 5300799.6/41

All: 636.120+/-0.065 χ^2/NDF: 11252068.9/85

- sign 639.269+/-0.092 χ^2/NDF: 5948968.4/43

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 412.448+/-443.519 χ^2/NDF: 19.4/20

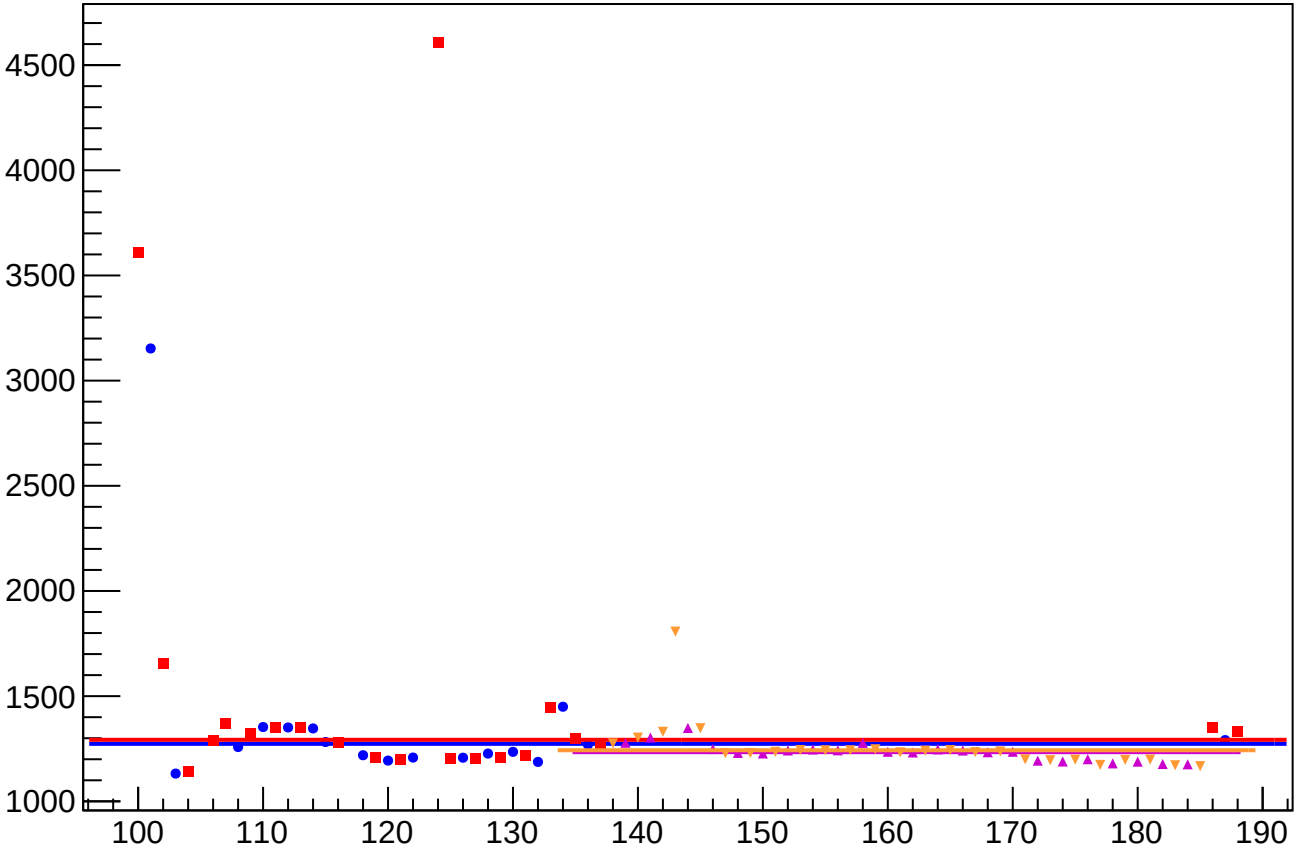
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -8.214+/-243.316 χ^2/NDF: 43.1/41

All: 90.294+/-171.466 χ^2/NDF: 77.9/85

- sign 187.476+/-241.671 χ^2/NDF: 34.4/43

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

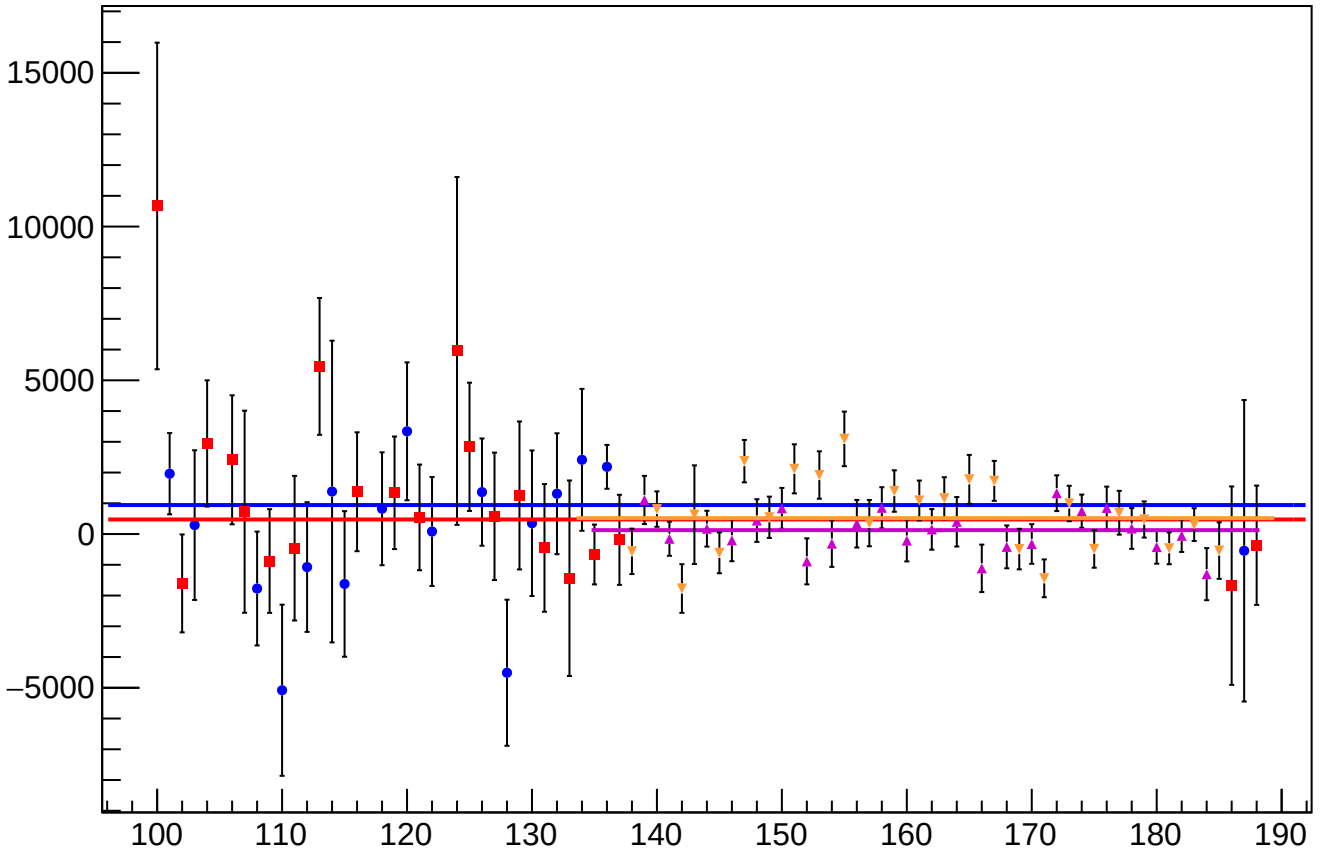
Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.775+/-0.172 χ^2/NDF: 728716.1/41

All: 1250.986+/-0.121 χ^2/NDF: 1125101.7/85

- sign 1251.195+/-0.171 χ^2/NDF: 396382.5/43



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: 474.485+/-426.046 χ^2/NDF: 19.0/20

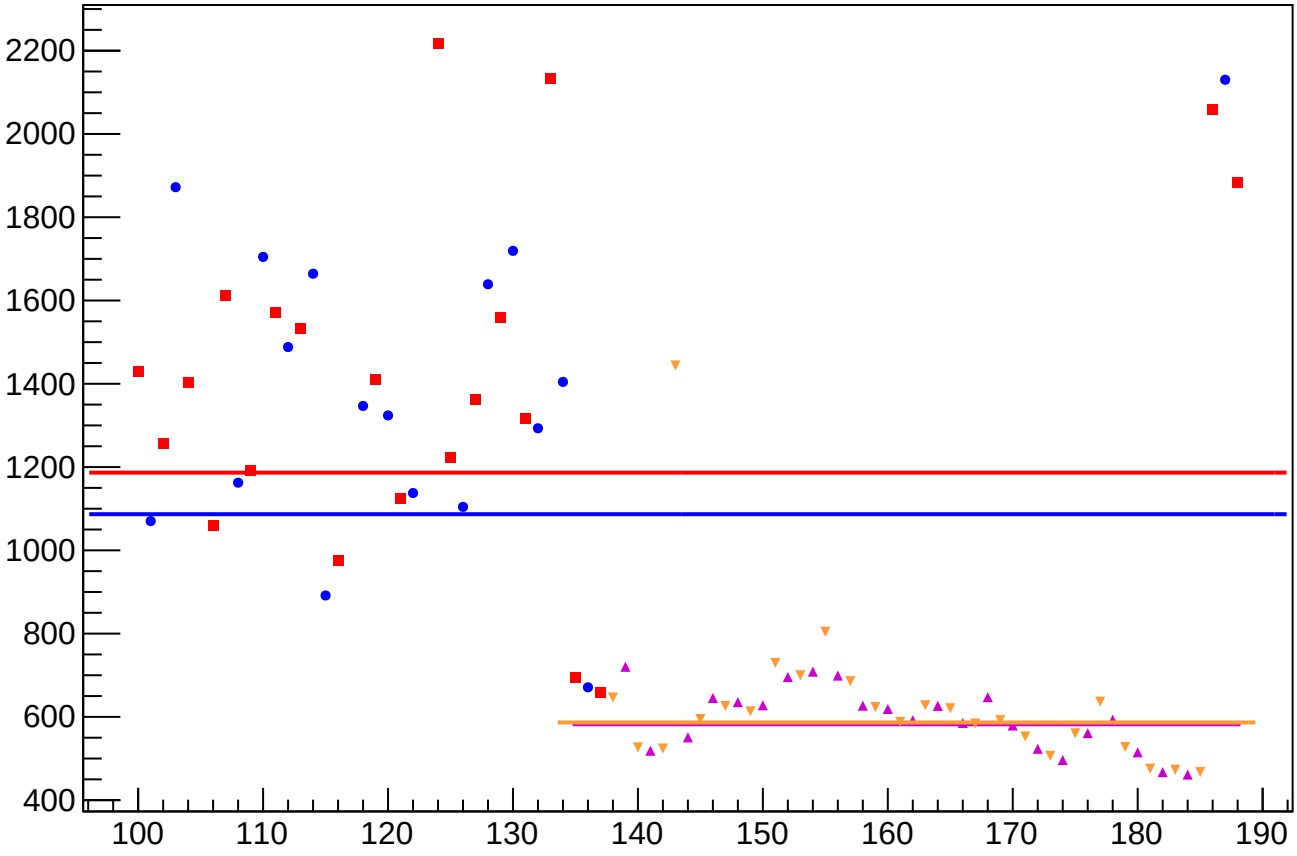
Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 556.418+/-129.285 χ^2/NDF: 87.9/41

All: 359.933+/-91.898 χ^2/NDF: 133.8/85

- sign 159.270+/-130.652 χ^2/NDF: 41.2/43

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

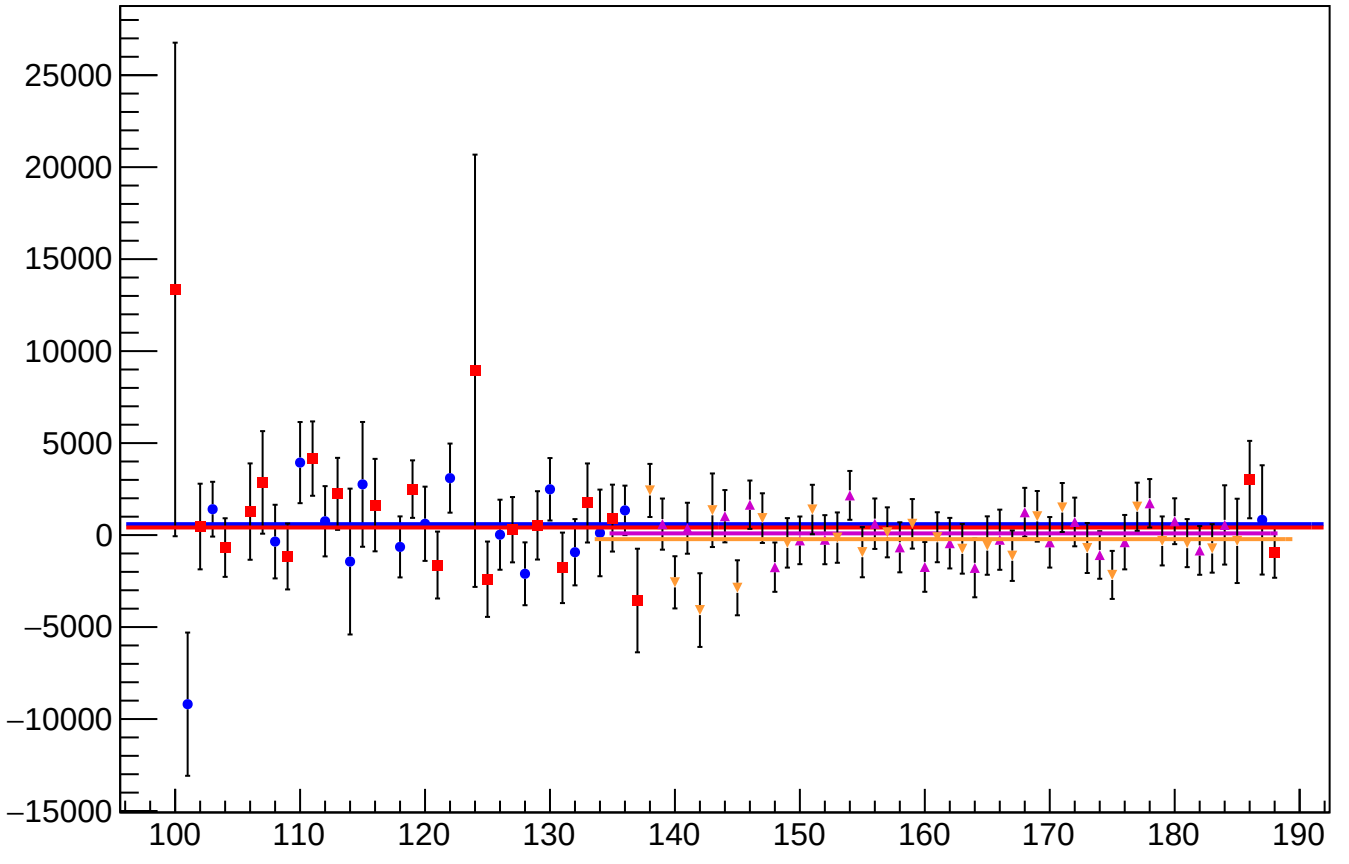
Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 633.056+/-0.091 χ^2/NDF: 5297113.9/41

All: 636.013+/-0.065 χ^2/NDF: 11226719.1/85

- sign 639.033+/-0.092 χ^2/NDF: 5927490.4/43



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 412.448+/-443.519 χ^2/NDF: 19.4/20

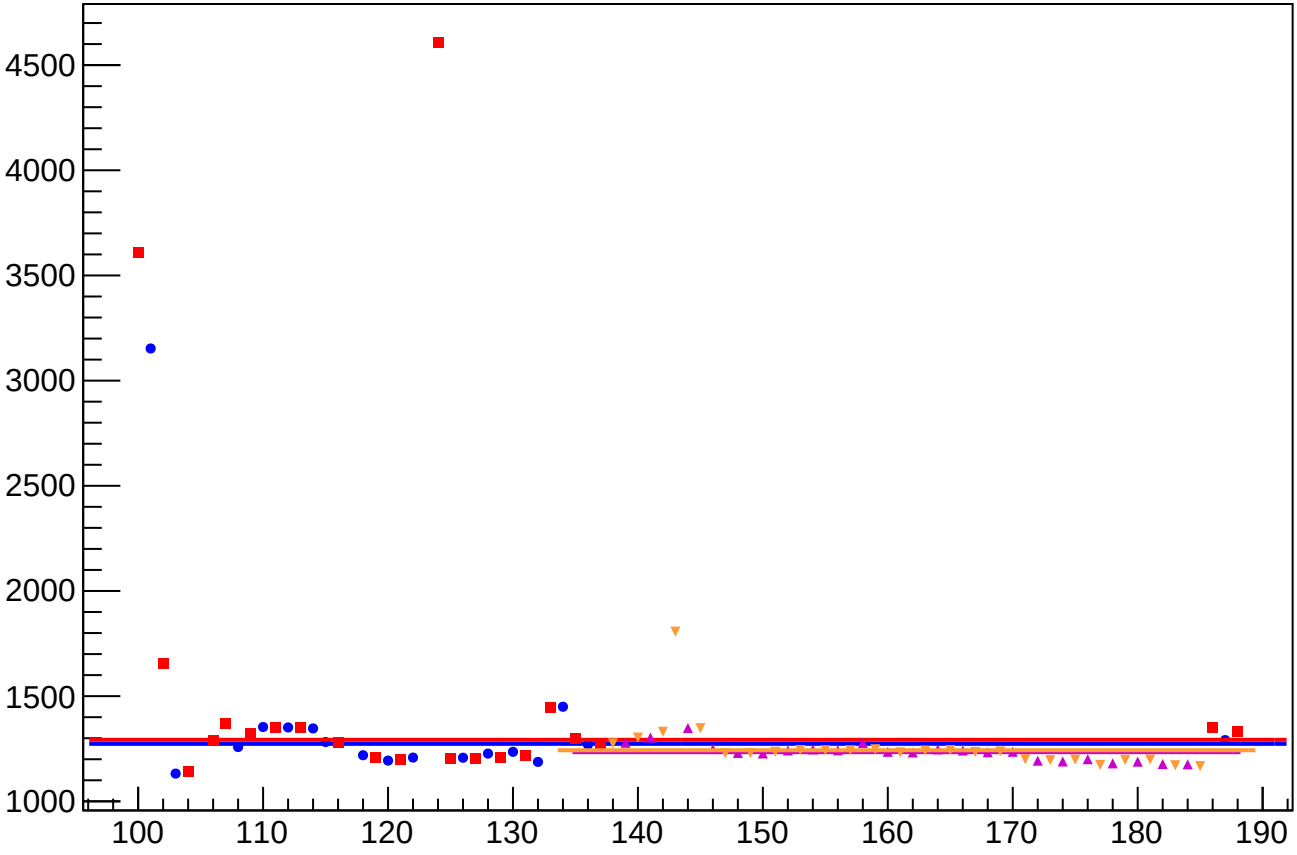
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

\+ sign -8.214+/-243.316 χ^2/NDF: 43.1/41

All: 90.294+/-171.466 χ^2/NDF: 77.9/85

\- sign 187.476+/-241.671 χ^2/NDF: 34.4/43

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

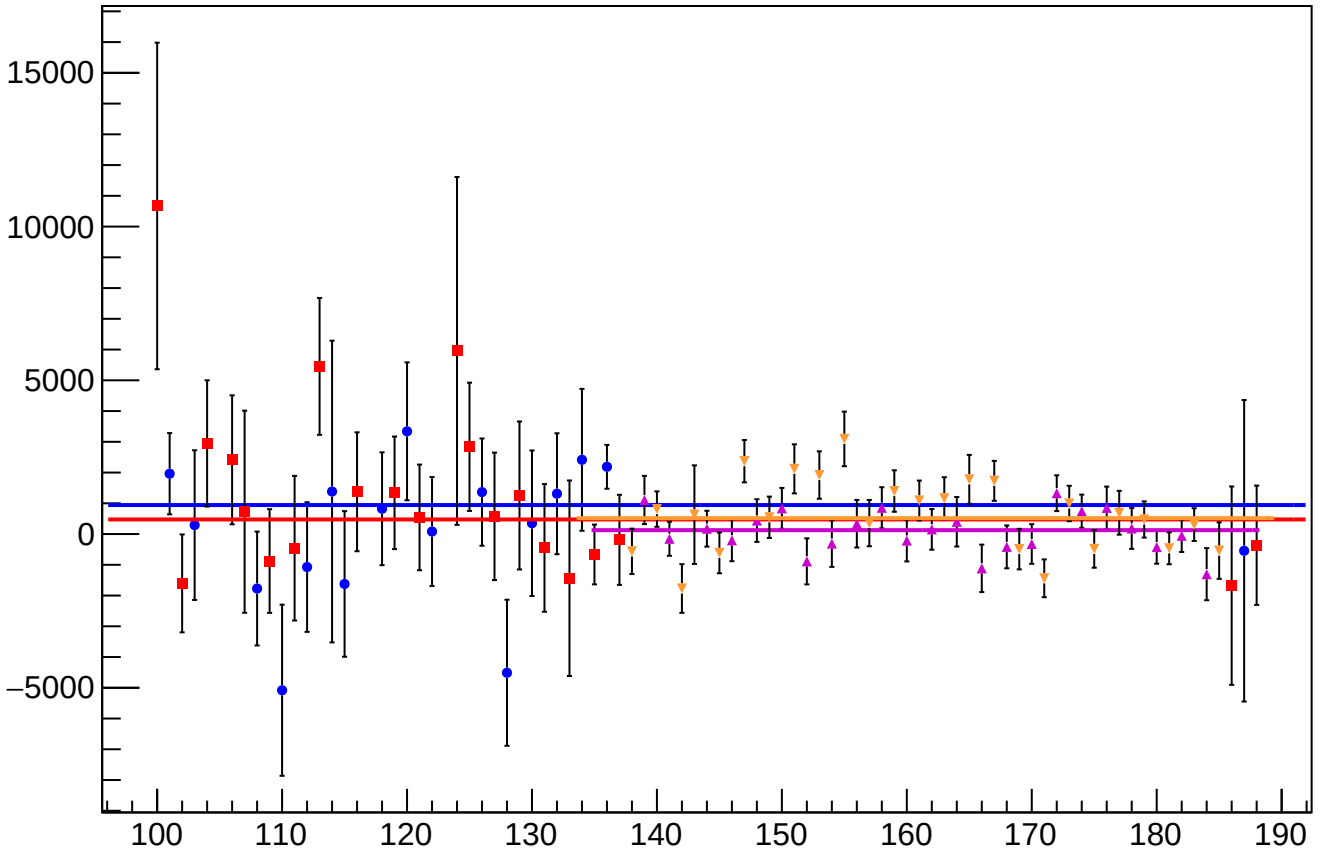
Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.775+/-0.172 χ^2/NDF: 728716.1/41

All: 1250.986+/-0.121 χ^2/NDF: 1125101.7/85

- sign 1251.195+/-0.171 χ^2/NDF: 396382.5/43



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

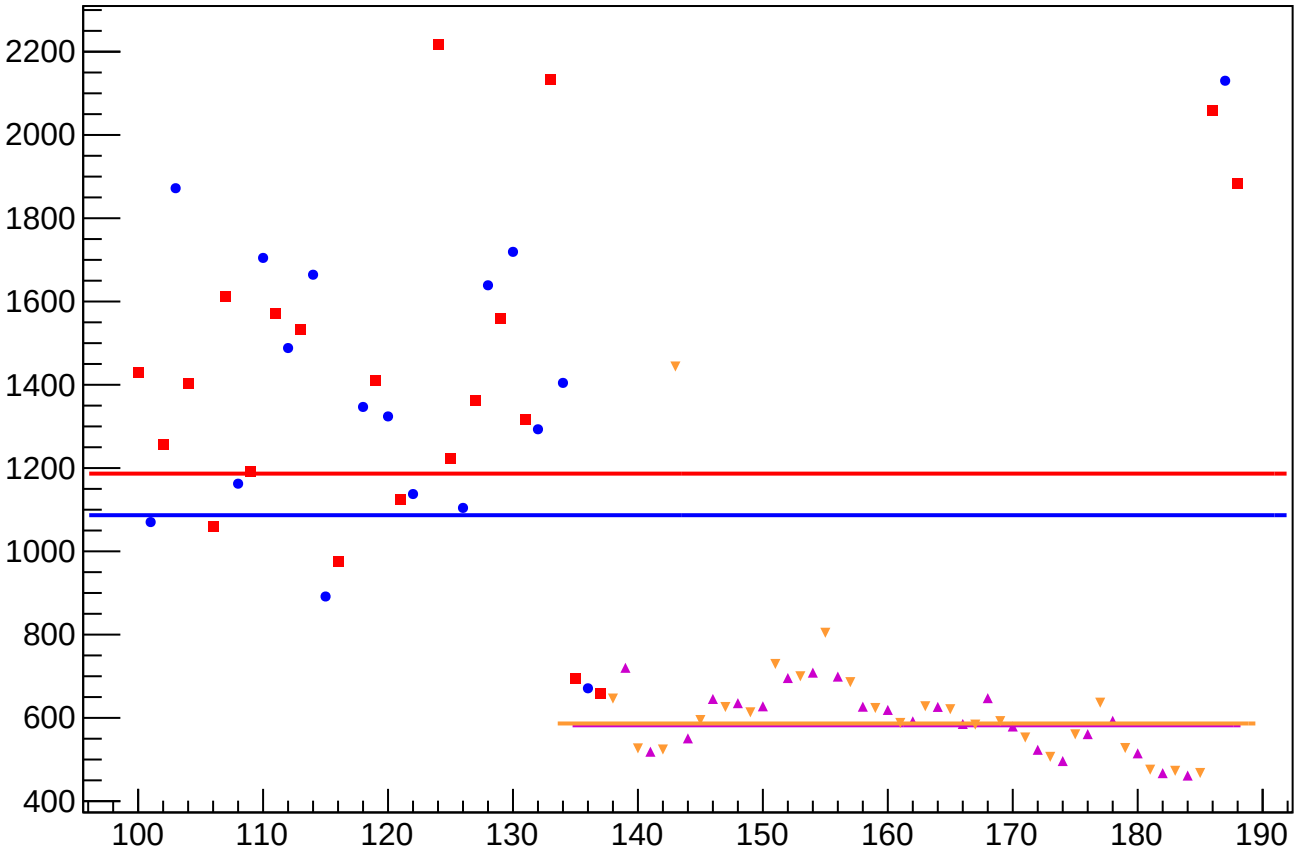
Right Out: 474.485+/-426.046 χ^2/NDF: 19.0/20

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 556.418+/-129.285 χ^2/NDF: 87.9/41

All: 359.933+/-91.898 χ^2/NDF: 133.8/85

- sign 159.270+/-130.652 χ^2/NDF: 41.2/43



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

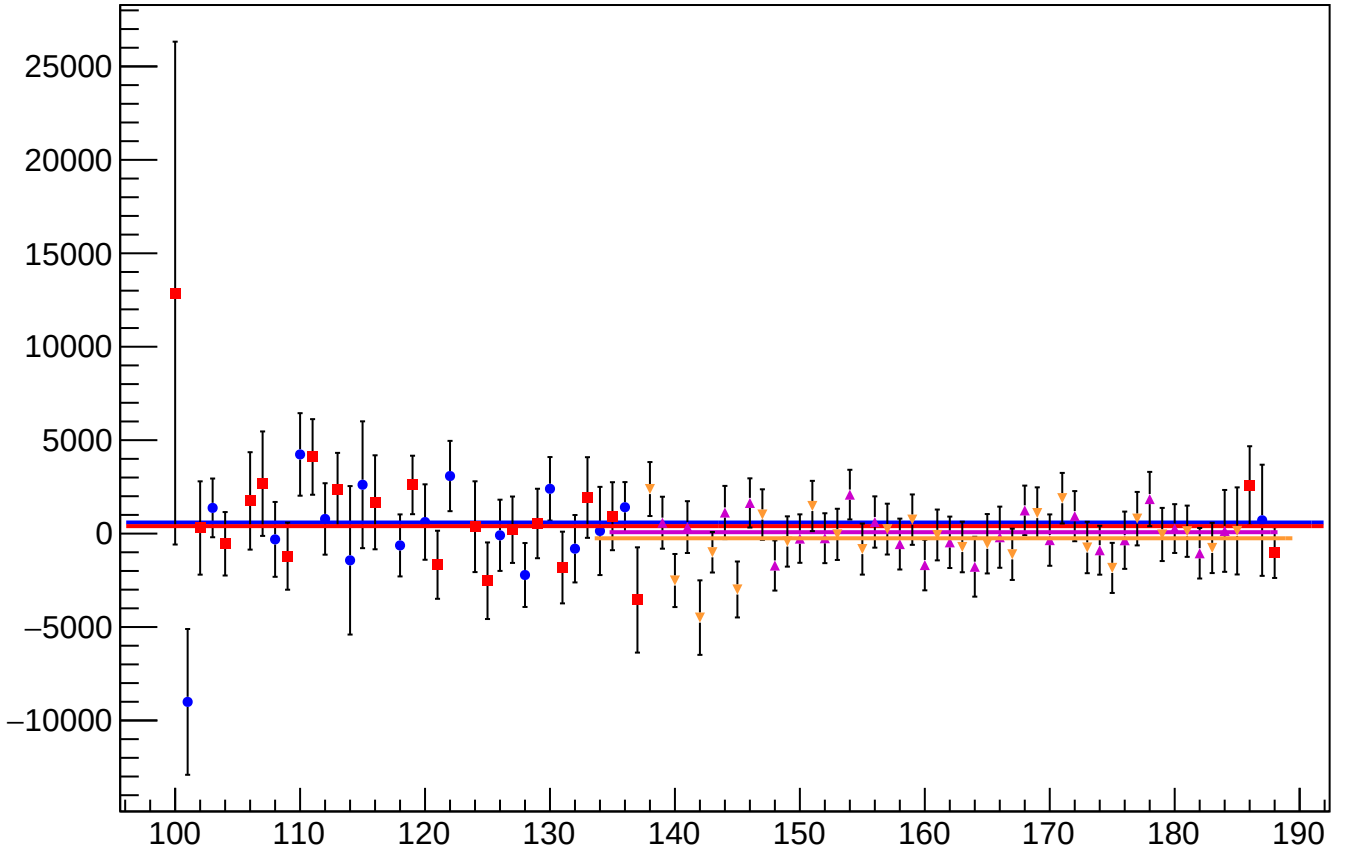
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 633.056+/-0.091 χ^2/NDF: 5297113.9/41

All: 636.013+/-0.065 χ^2/NDF: 11226719.1/85

- sign 639.033+/-0.092 χ^2/NDF: 5927490.4/43

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 593.494+/-479.141 χ^2/NDF: 17.1/16

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 398.578+/-440.118 χ^2/NDF: 18.8/20

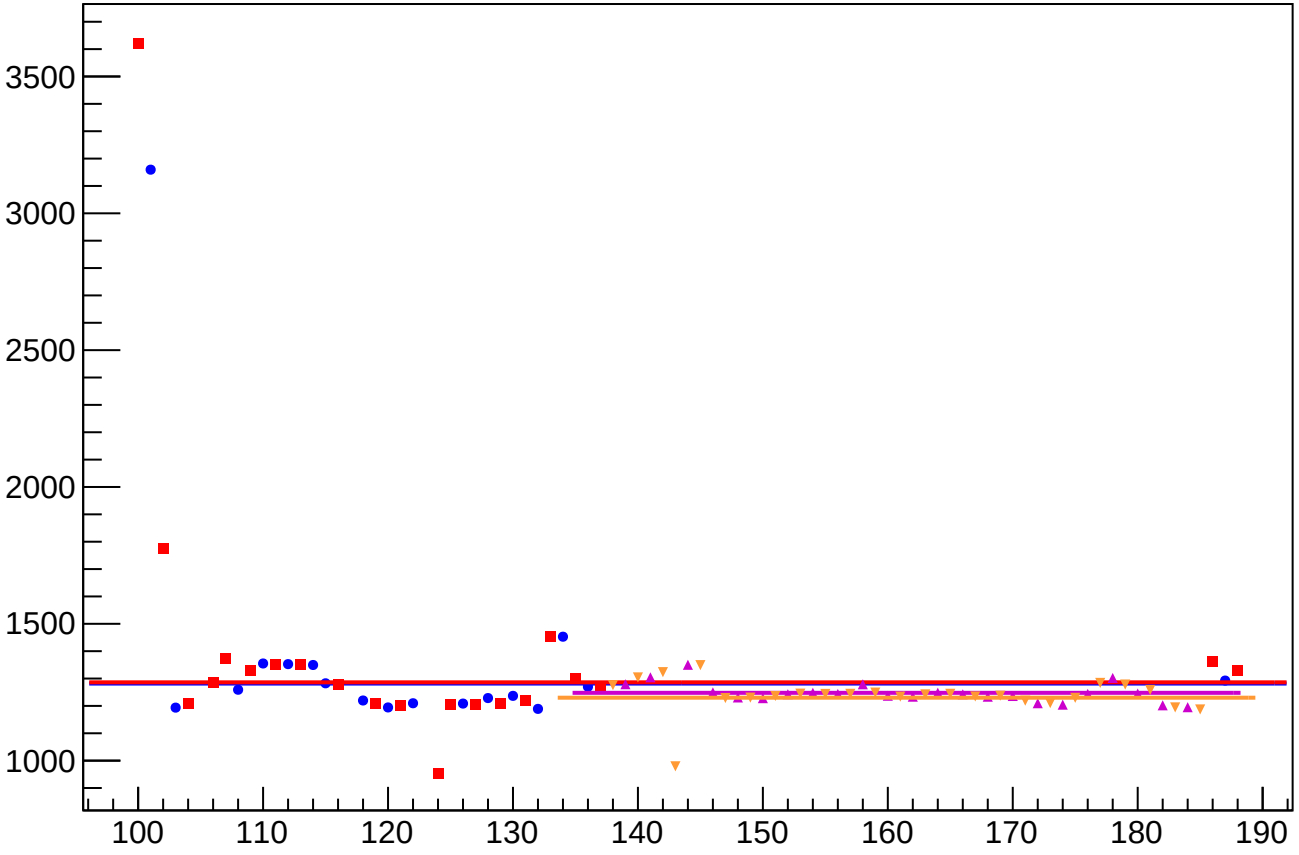
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -35.997+/-241.698 χ^2/NDF: 43.5/41

All: 68.217+/-171.366 χ^2/NDF: 77.0/85

- sign 173.561+/-243.005 χ^2/NDF: 33.2/43

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.2/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

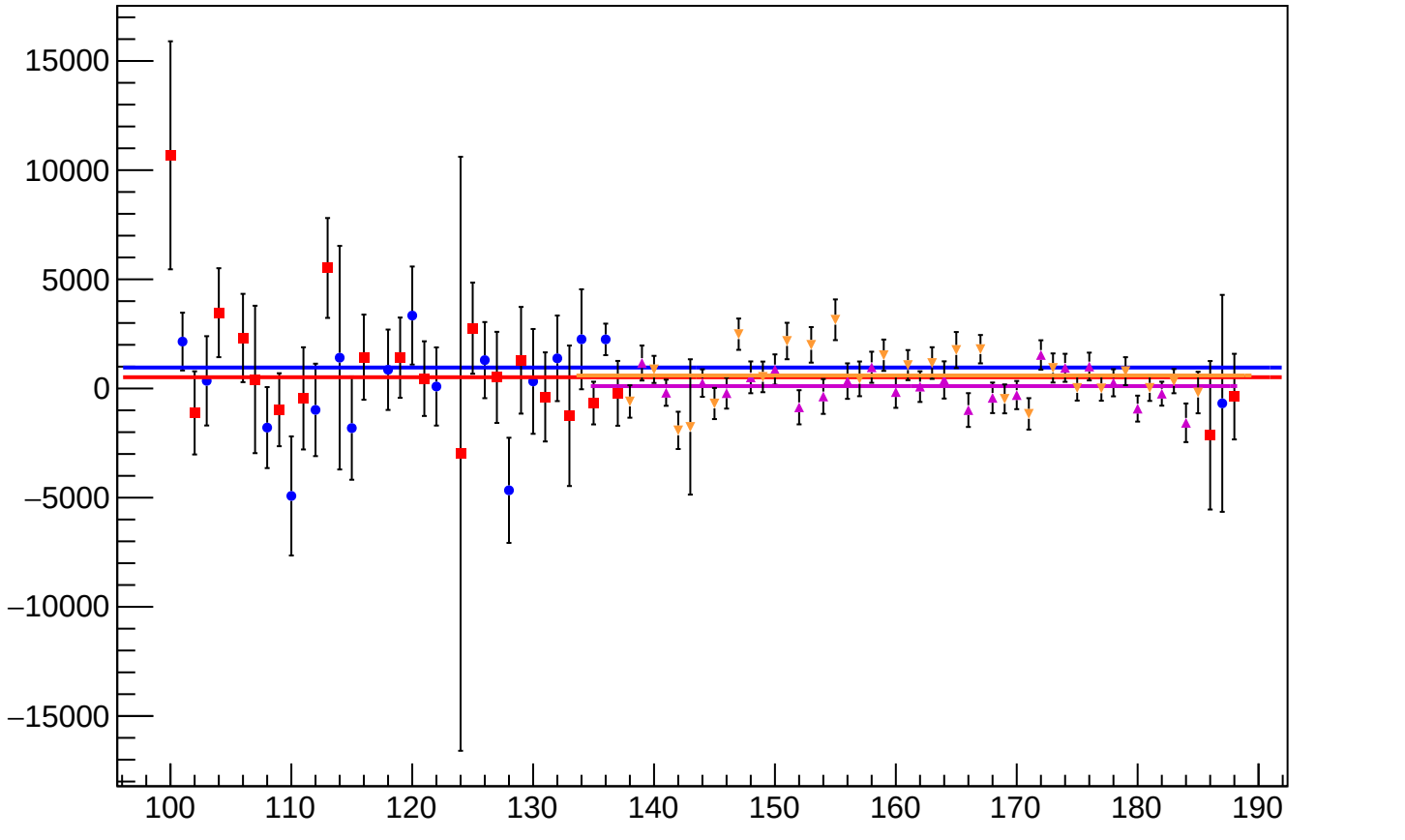
Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.6/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1243.135+/-0.171 χ^2/NDF: 666056.5/41

All: 1251.267+/-0.121 χ^2/NDF: 934501.5/85

- sign 1259.487+/-0.172 χ^2/NDF: 263892.4/43



Right In: 960.265+/-423.669 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 516.041+/-432.945 χ^2/NDF: 18.0/20

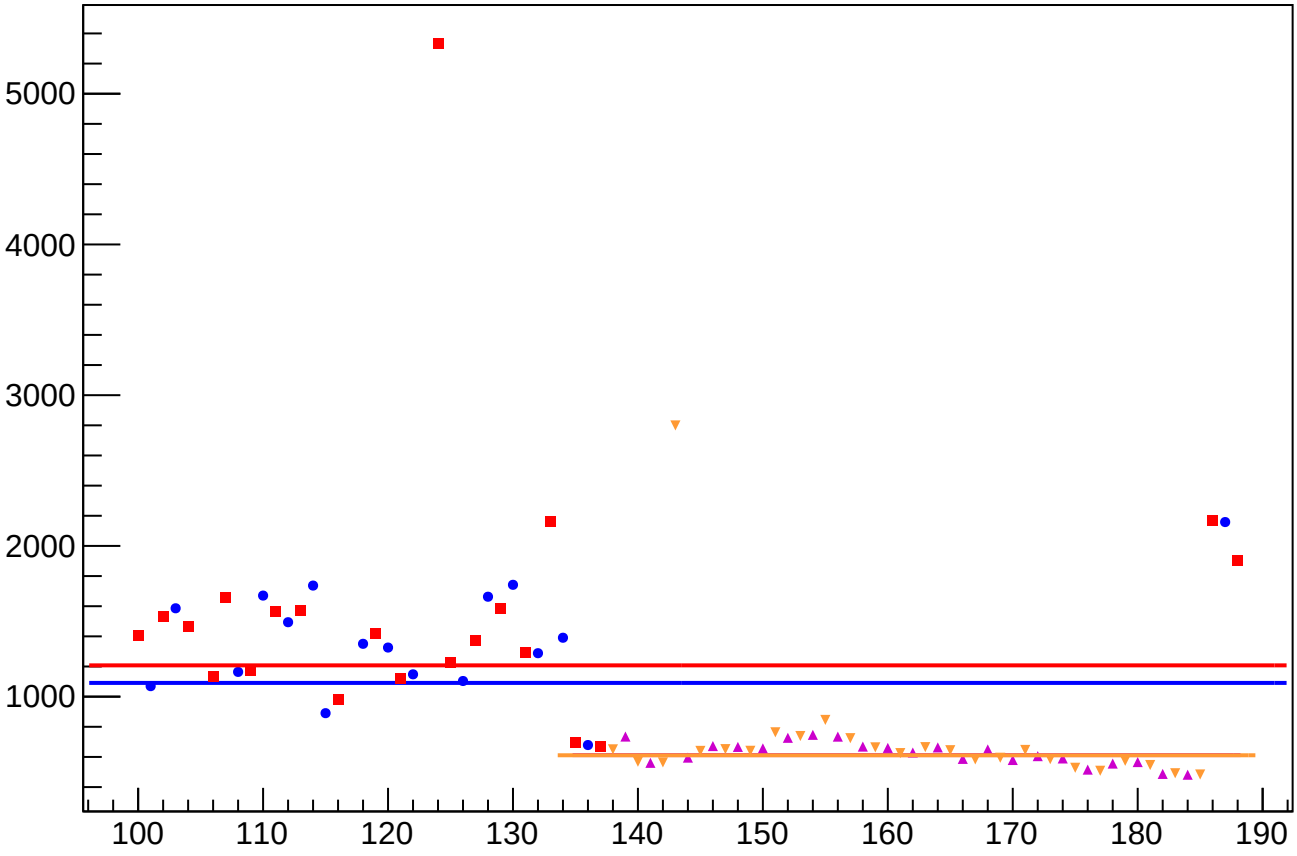
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 631.950+/-134.750 χ^2/NDF: 78.6/41

All: 395.069+/-96.013 χ^2/NDF: 129.3/85

- sign 150.789+/-136.839 χ^2/NDF: 44.5/43

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug



Right In: 1091.153+/-0.300 χ^2/NDF: 1453127.6/16

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

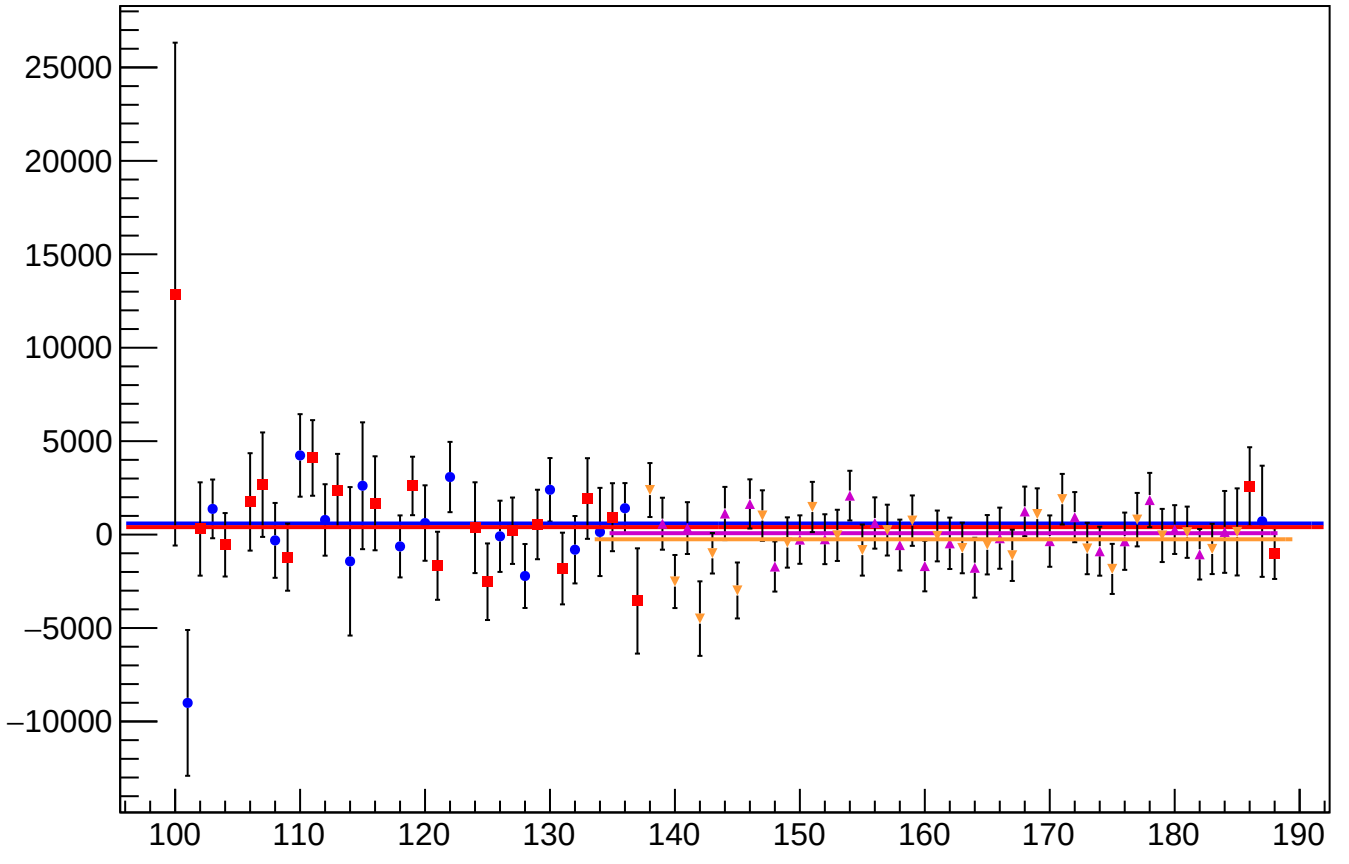
Right Out: 1207.580+/-0.306 χ^2/NDF: 1926728.6/20

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 659.650+/-0.095 χ^2/NDF: 5380589.6/41

All: 665.659+/-0.068 χ^2/NDF: 11226145.8/85

- sign 671.856+/-0.097 χ^2/NDF: 5837477.2/43



Right In: 593.495+/-479.141 χ^2/NDF: 17.1/16

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 398.577+/-440.118 χ^2/NDF: 18.8/20

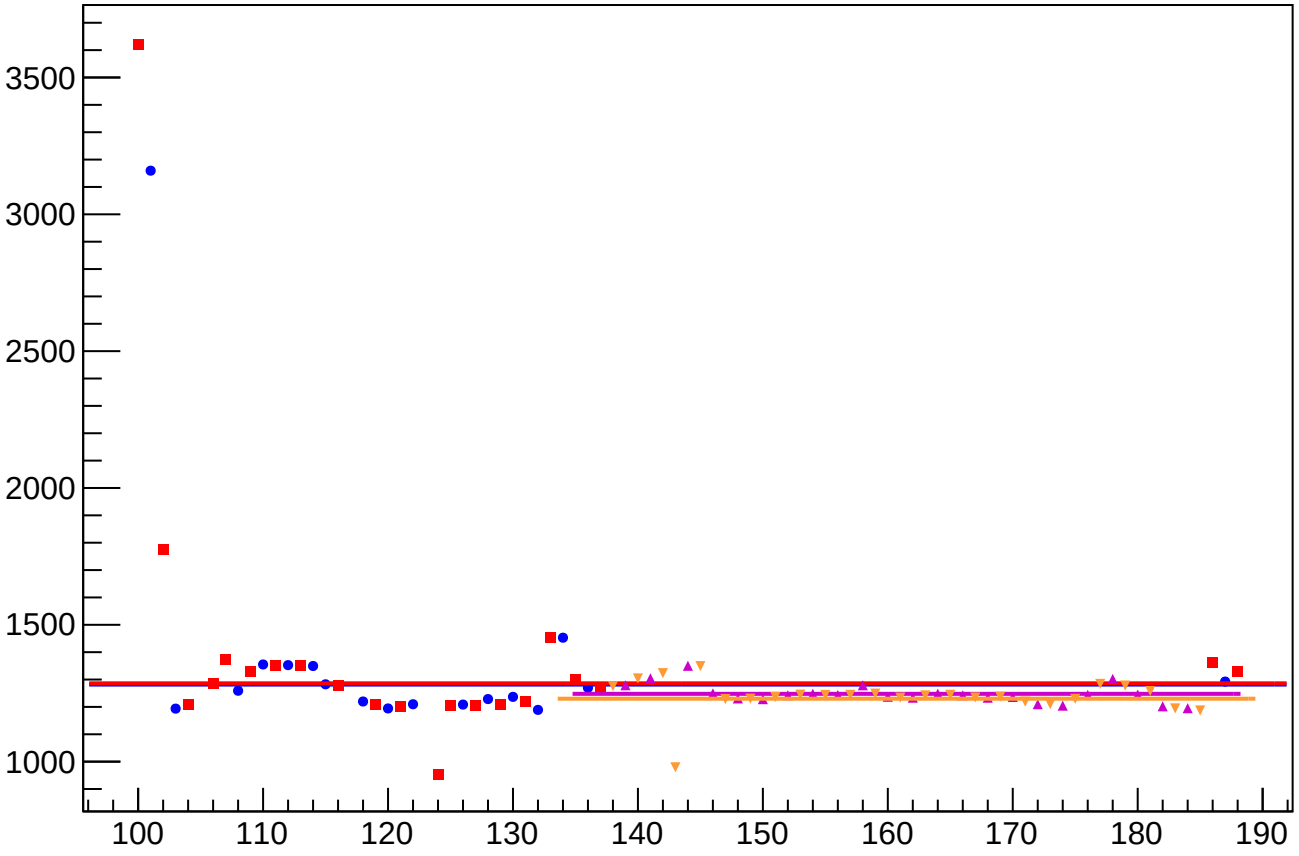
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

\+ sign -35.998+/-241.698 χ^2/NDF: 43.5/41

All: 68.216+/-171.366 χ^2/NDF: 77.0/85

\- sign 173.561+/-243.005 χ^2/NDF: 33.2/43

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.3/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

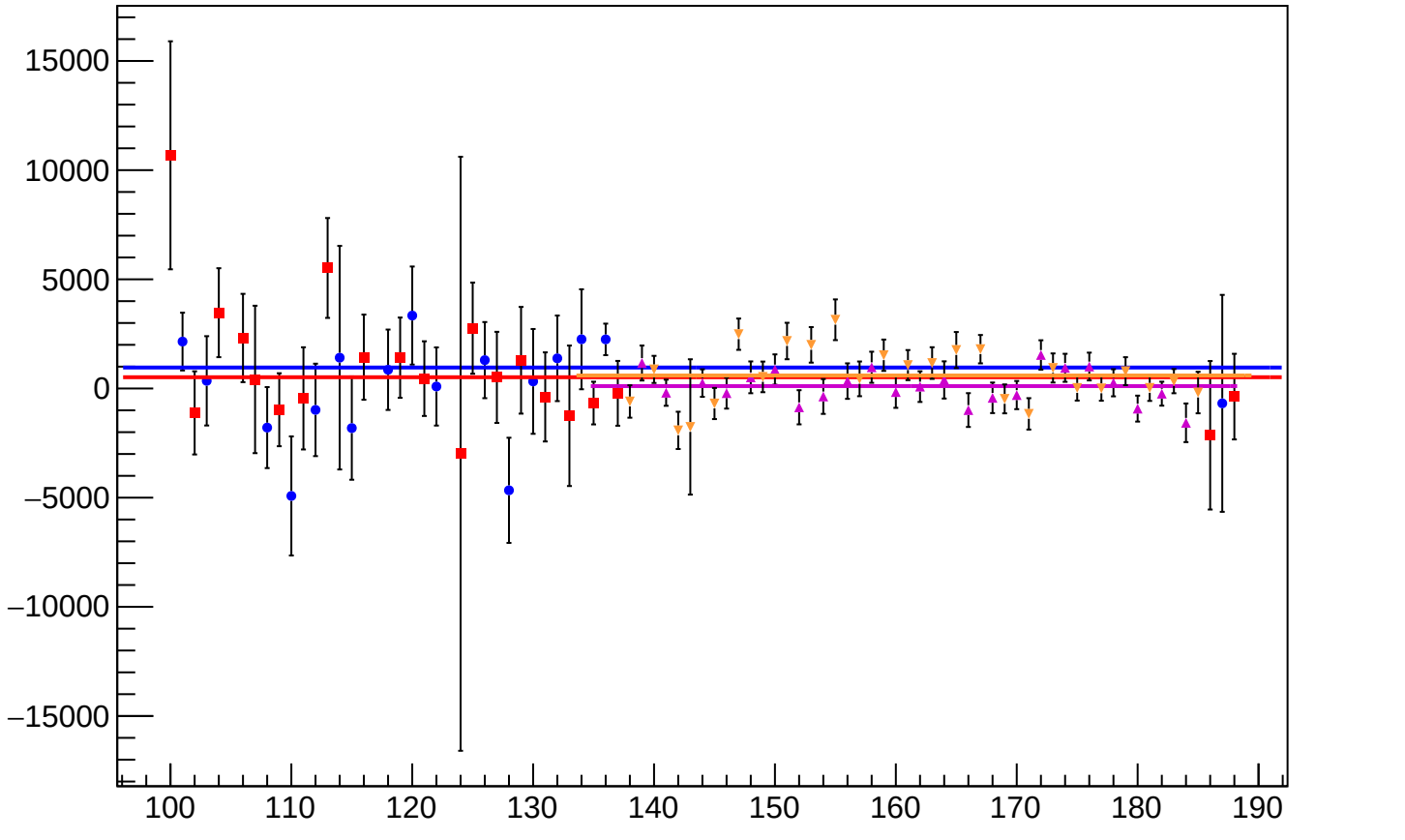
Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.5/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1243.135+/-0.171 χ^2/NDF: 666055.7/41

All: 1251.267+/-0.121 χ^2/NDF: 934500.5/85

- sign 1259.487+/-0.172 χ^2/NDF: 263892.3/43



Right In: 960.259+/-423.671 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

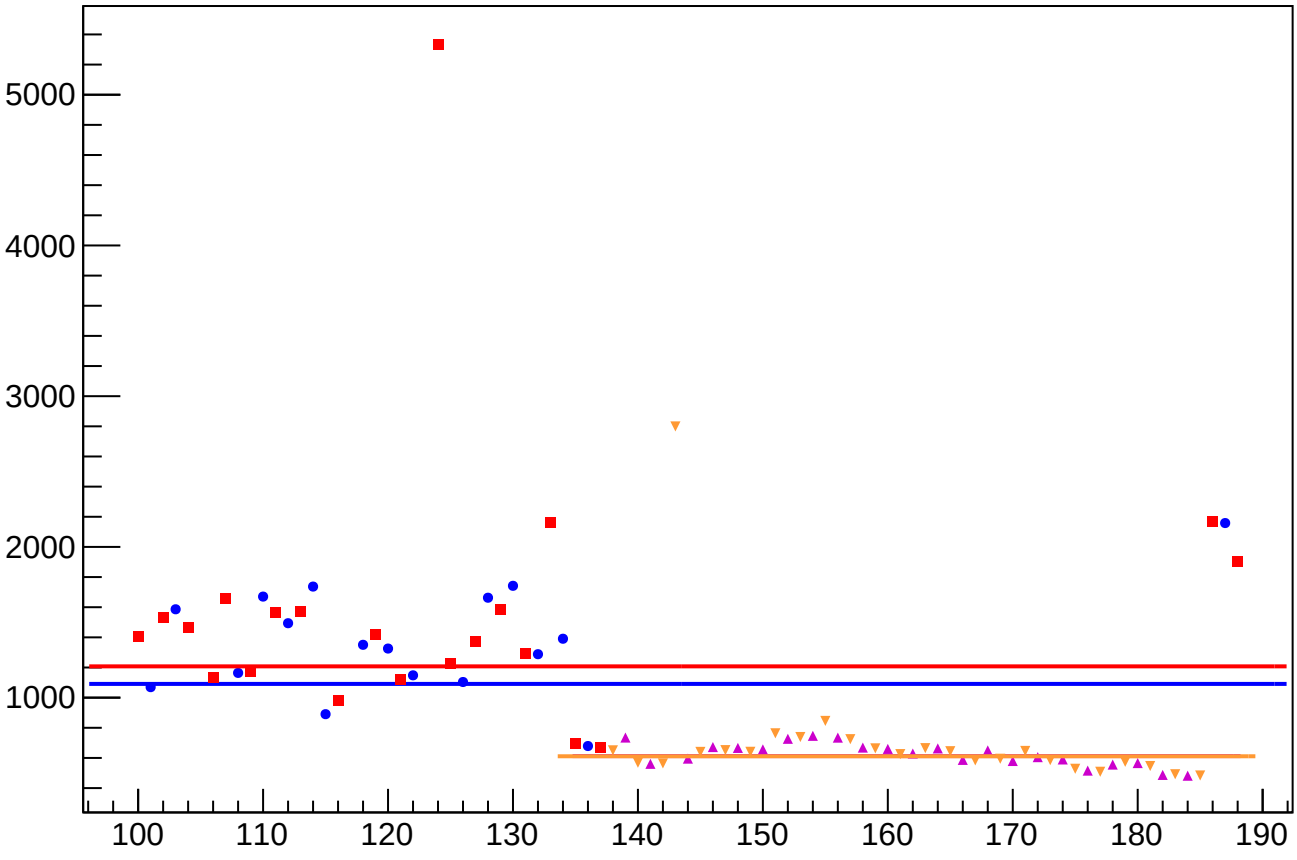
Right Out: 516.050+/-432.947 χ^2/NDF: 18.0/20

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 631.949+/-134.750 χ^2/NDF: 78.6/41

All: 395.069+/-96.013 χ^2/NDF: 129.3/85

- sign 150.789+/-136.839 χ^2/NDF: 44.5/43



Right In: 1091.160+/-0.300 χ^2/NDF: 1453069.6/16

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1207.587+/-0.306 χ^2/NDF: 1926671.4/20

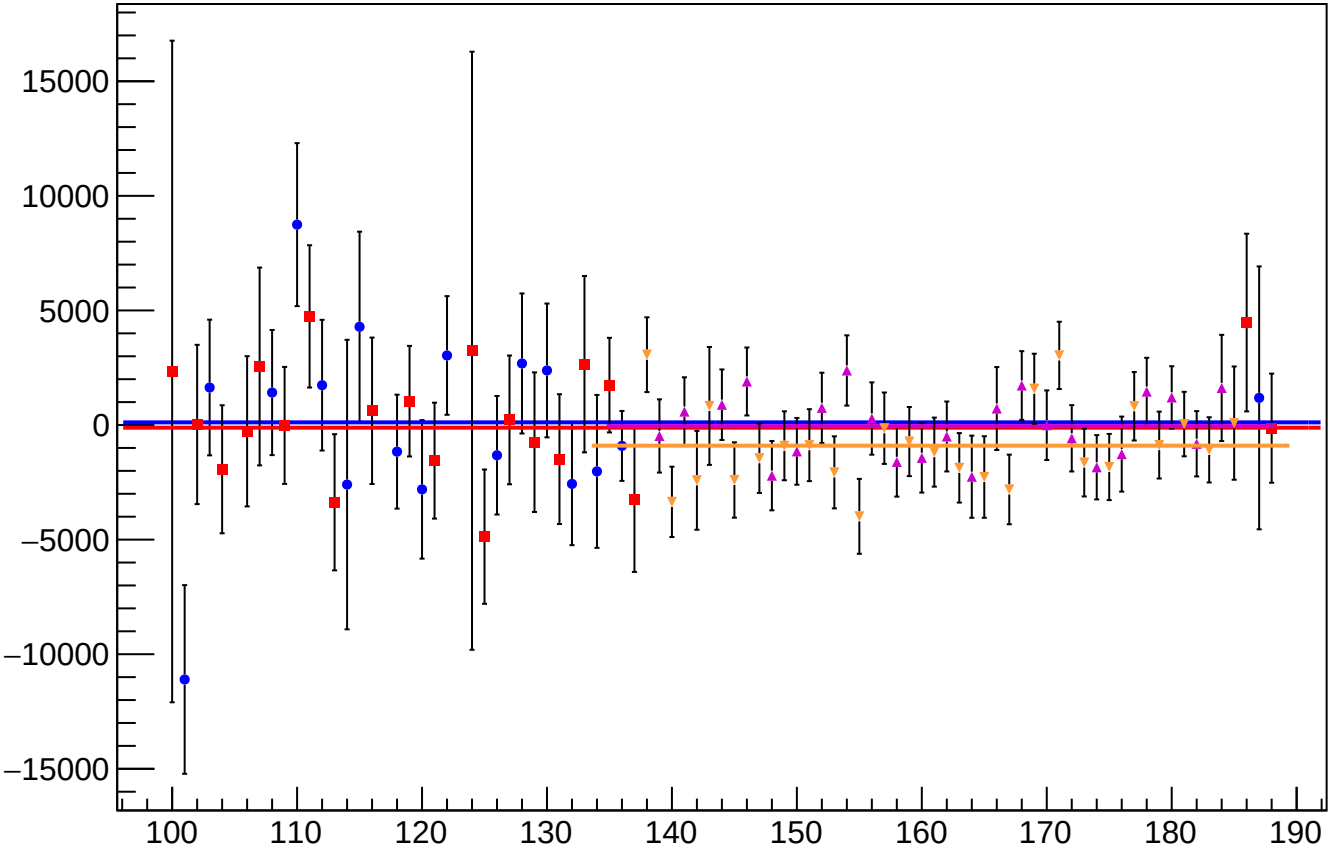
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 659.650+/-0.095 χ^2/NDF: 5380577.6/41

All: 665.658+/-0.068 χ^2/NDF: 11226145.0/85

- sign 671.855+/-0.097 χ^2/NDF: 5837489.2/43

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 116.327+/-693.850 χ^2/NDF: 21.3/16

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -115.197+/-661.481 χ^2/NDF: 11.8/20

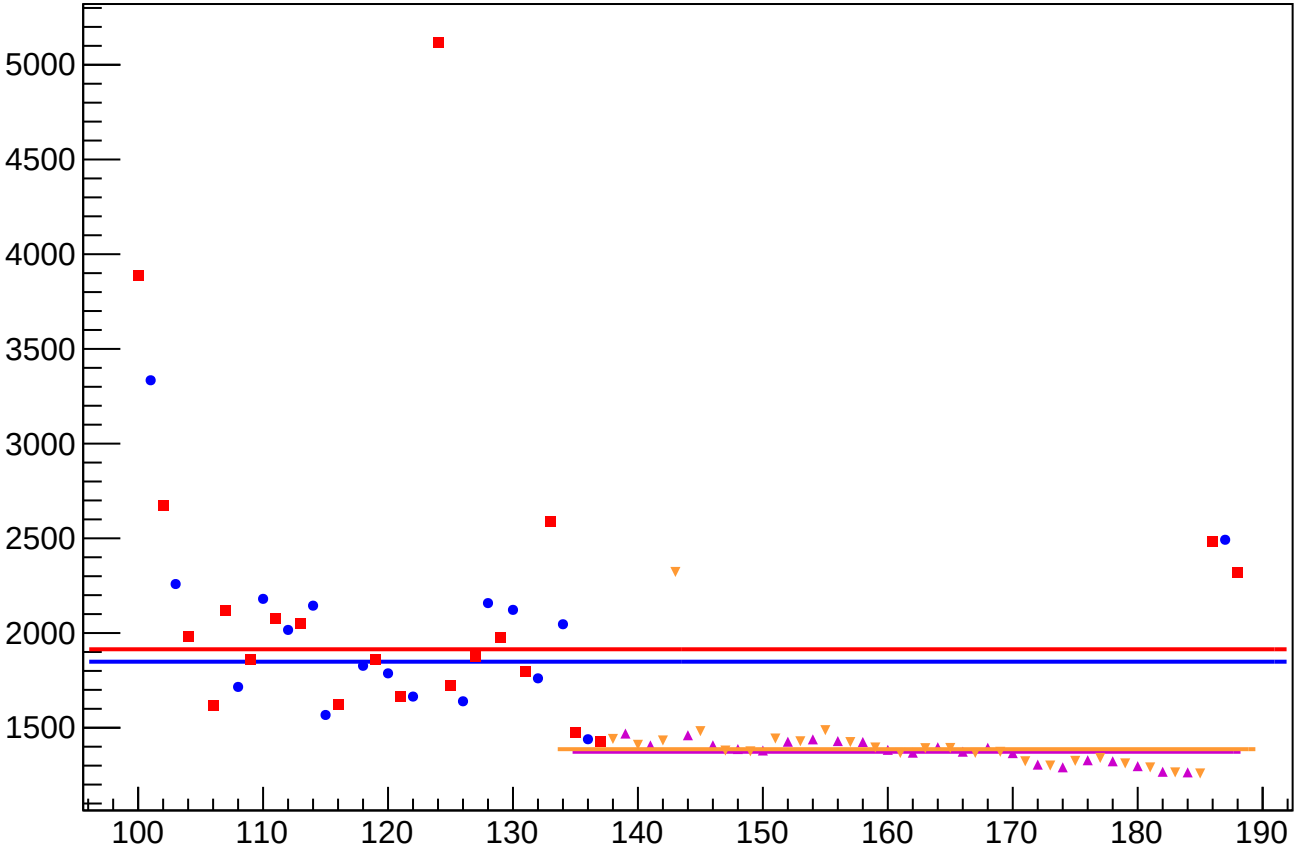
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -724.912+/-287.918 χ^2/NDF: 52.9/41

All: -393.876+/-203.879 χ^2/NDF: 85.2/85

- sign -60.947+/-288.740 χ^2/NDF: 29.7/43

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1848.673+/-0.491 χ^2/NDF: 582291.5/16

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

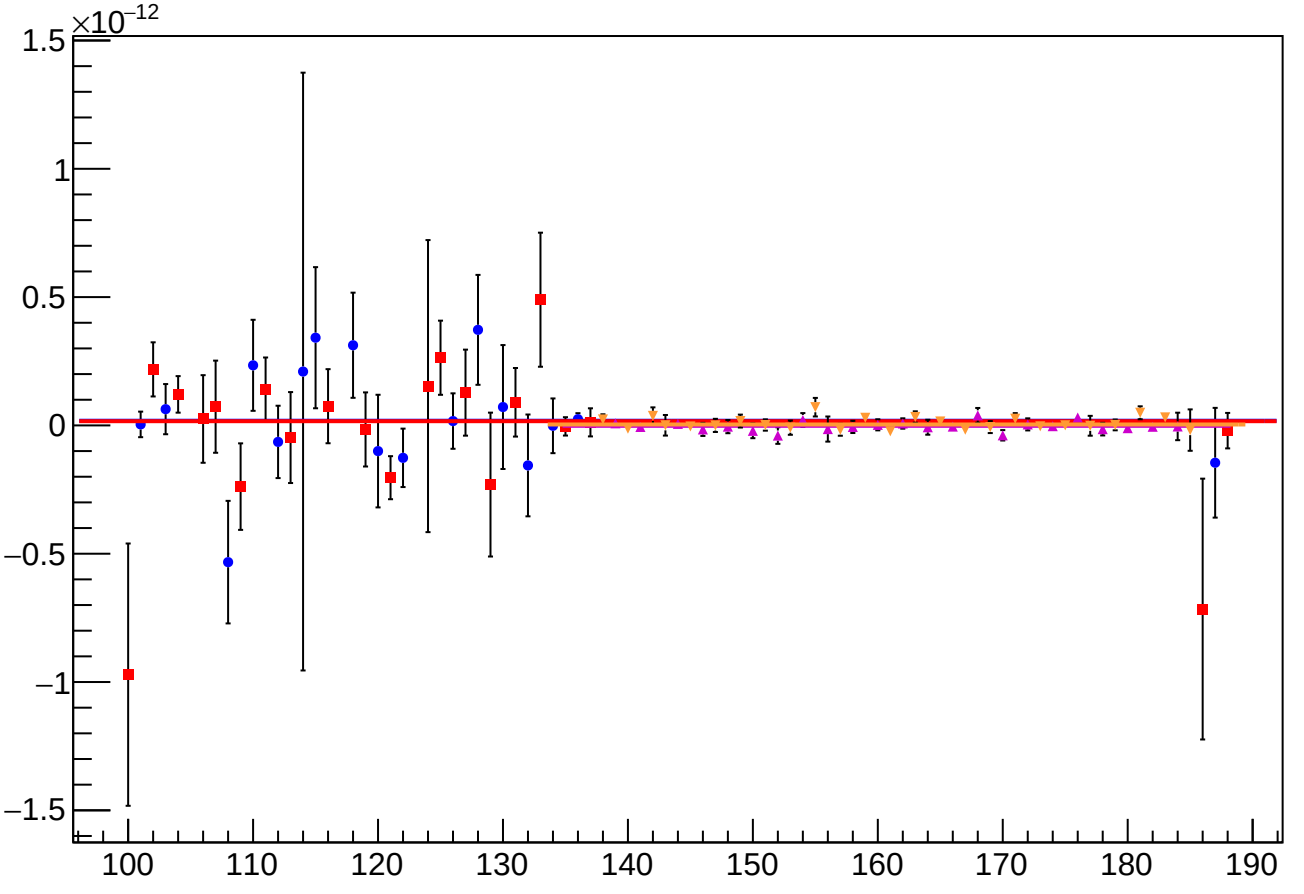
Right Out: 1914.283+/-0.468 χ^2/NDF: 634746.0/20

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1466.367+/-0.204 χ^2/NDF: 1655574.9/41

All: 1471.325+/-0.144 χ^2/NDF: 3439160.9/85

- sign 1476.312+/-0.204 χ^2/NDF: 1782396.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

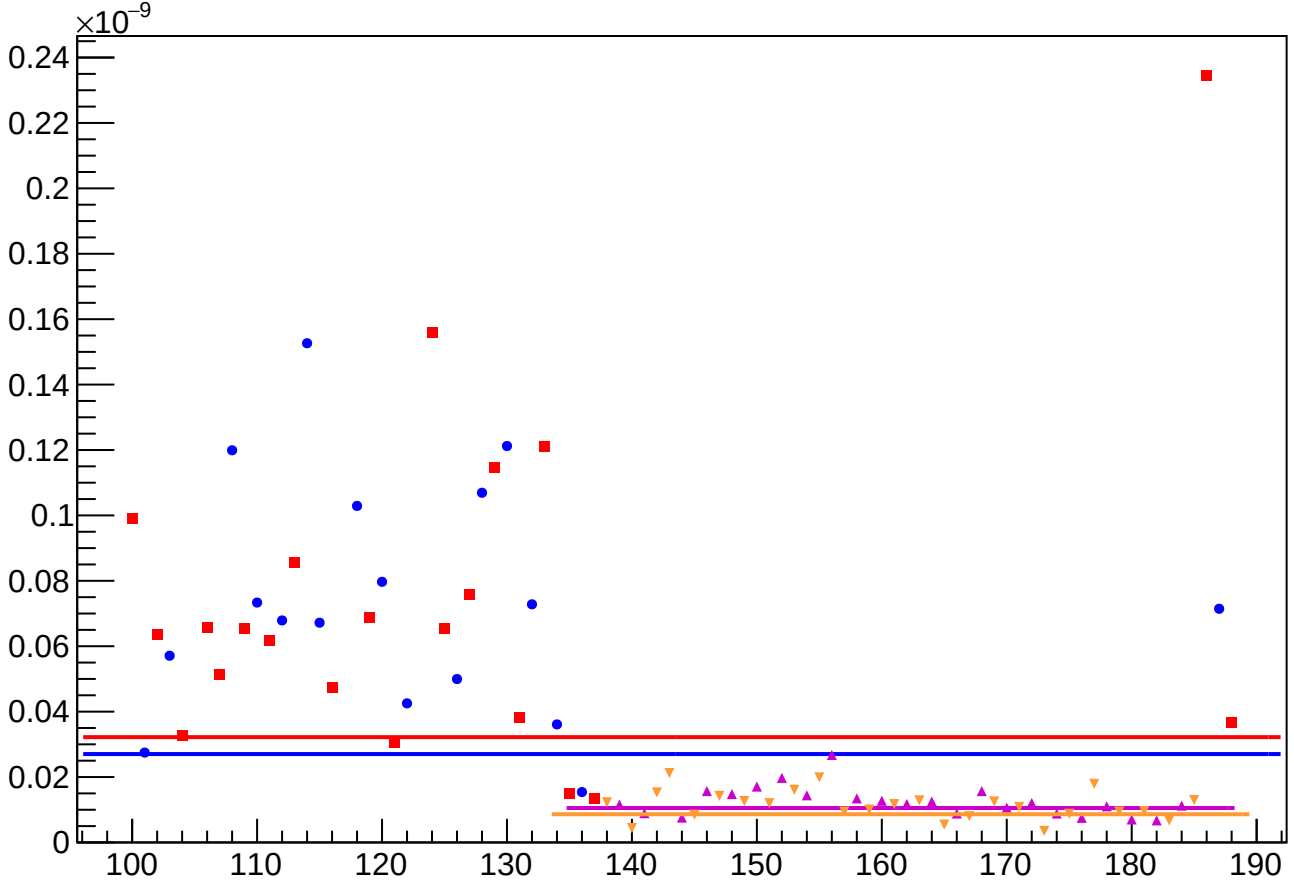
Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/20

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/41

All: 0.000+/-0.000 χ^2/NDF: 88.0/85

- sign -0.000+/-0.000 χ^2/NDF: 44.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 2667669.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

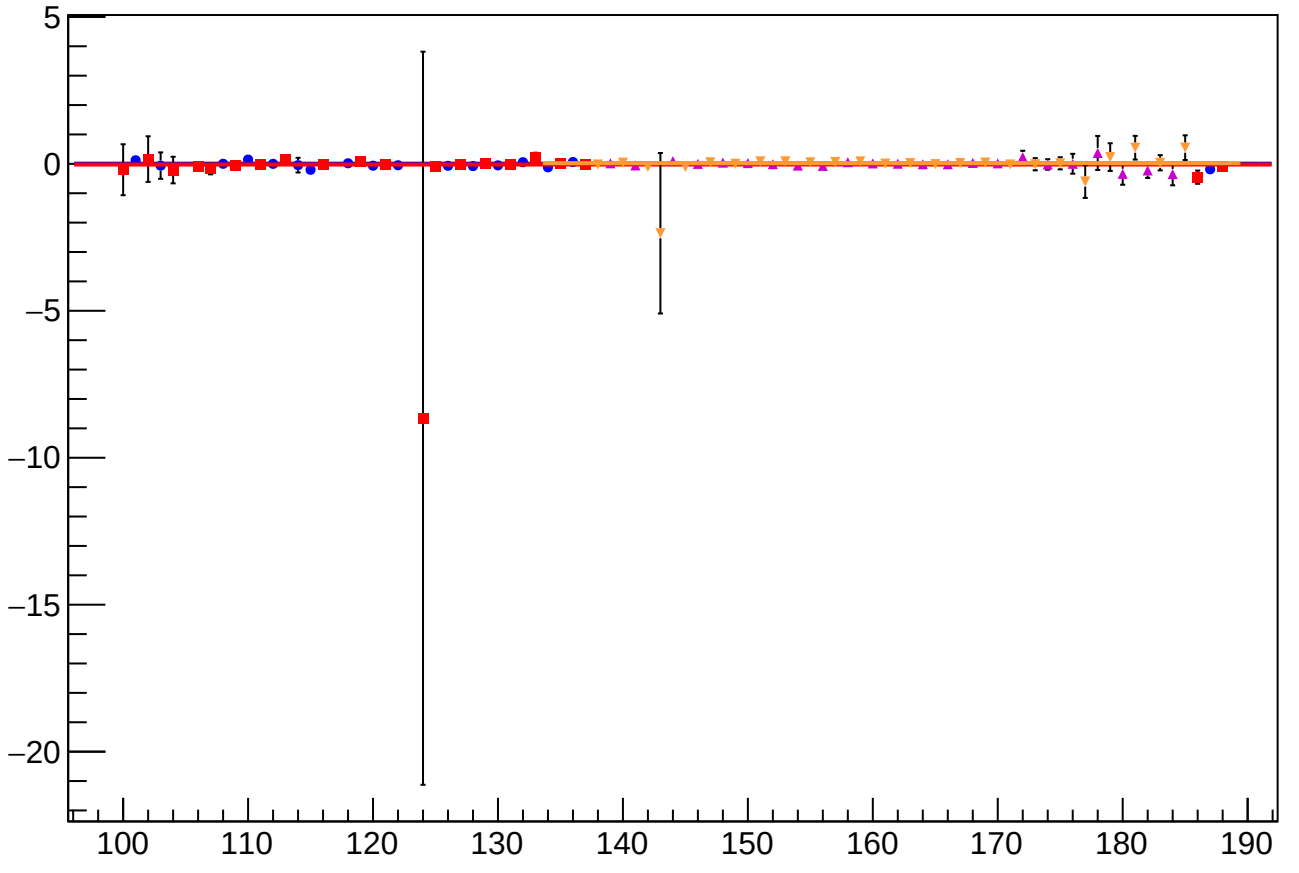
Right Out: 0.000+/-0.000 χ^2/NDF: 2603701.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6669574.0/41

All: 0.000+/-0.000 χ^2/NDF: 12772711.6/85

- sign 0.000+/-0.000 χ^2/NDF: 5838178.8/43



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

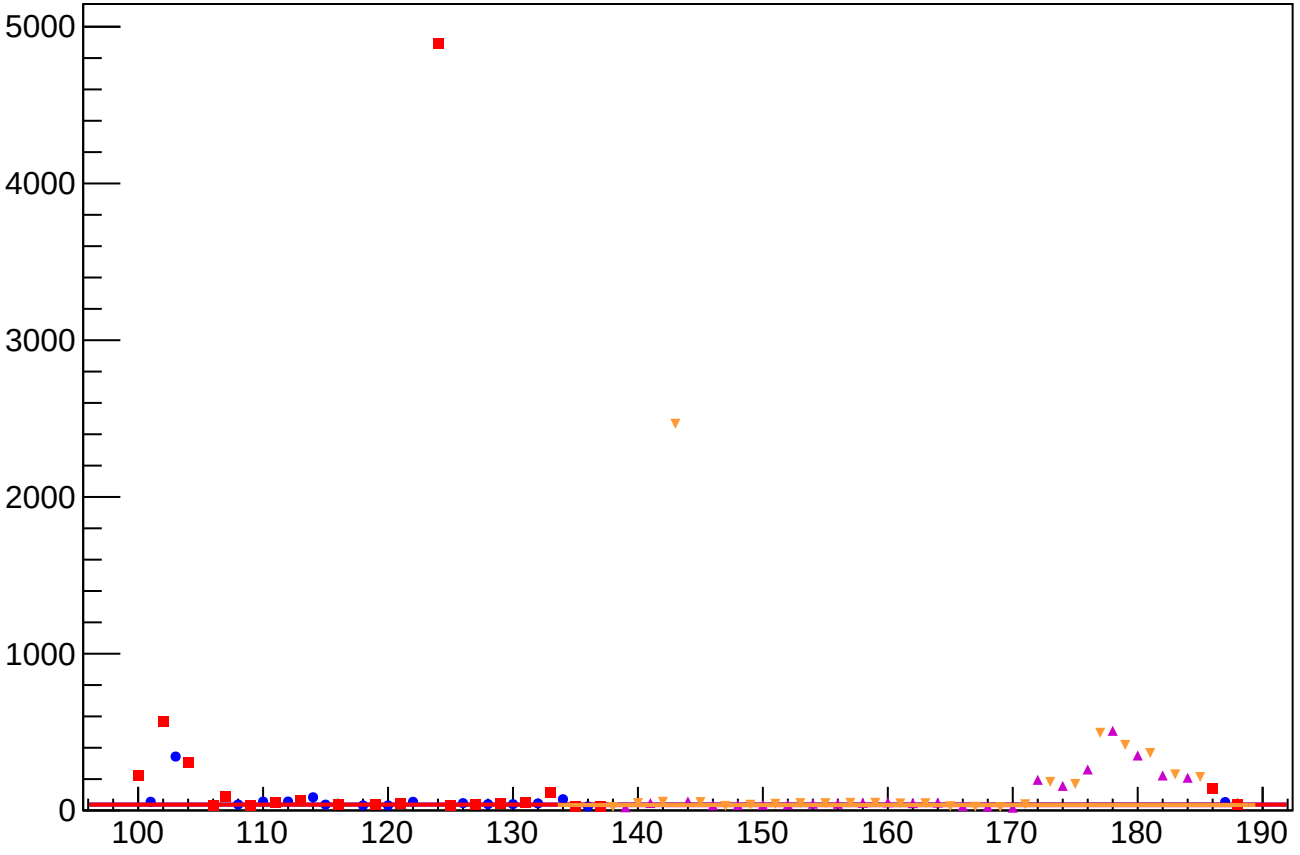
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.009+/-0.006 χ^2/NDF: 84.0/85

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

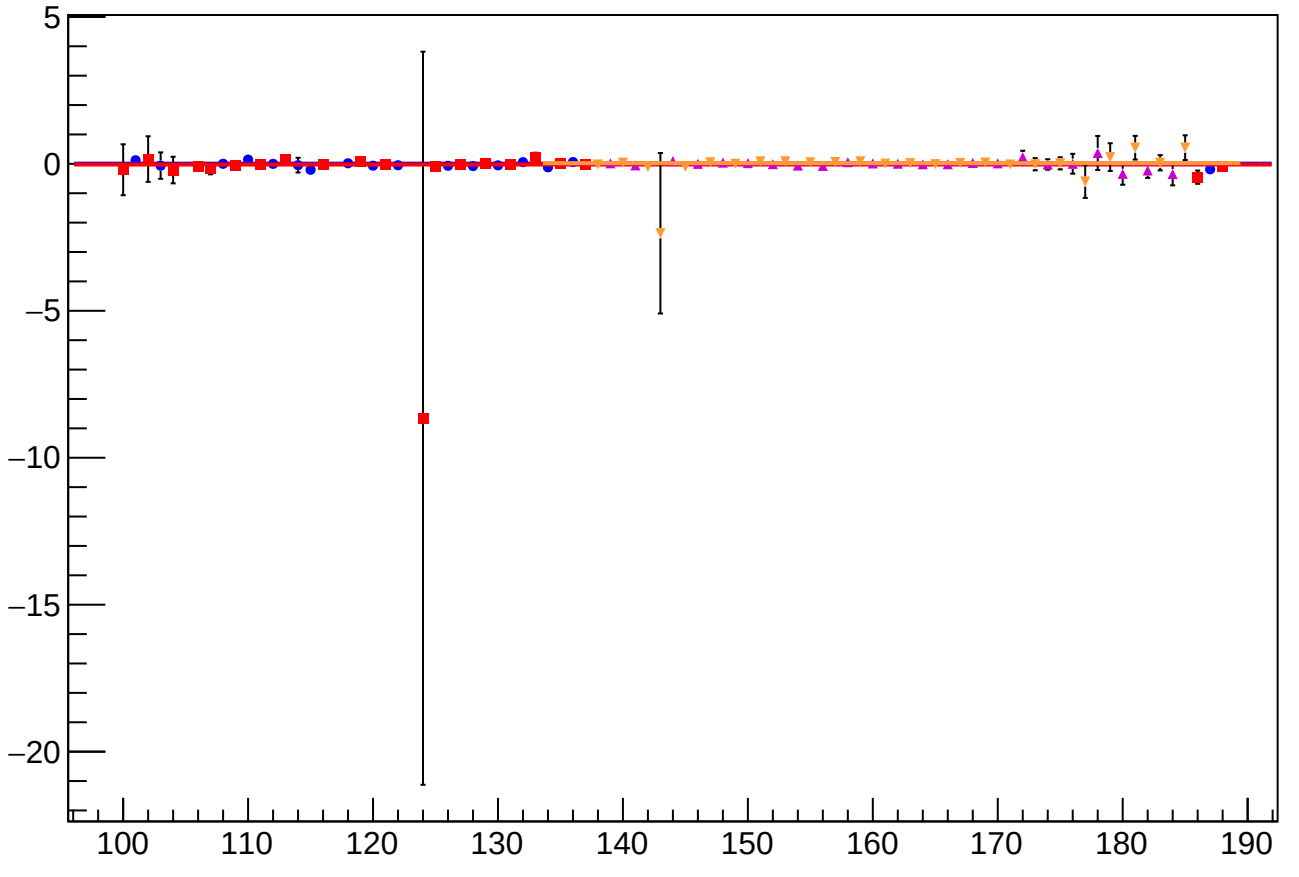
Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.531+/-0.006 χ^2/NDF: 13471288.9/41

All: 35.078+/-0.004 χ^2/NDF: 27259609.7/85

\- sign 34.653+/-0.006 χ^2/NDF: 13777574.2/43



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

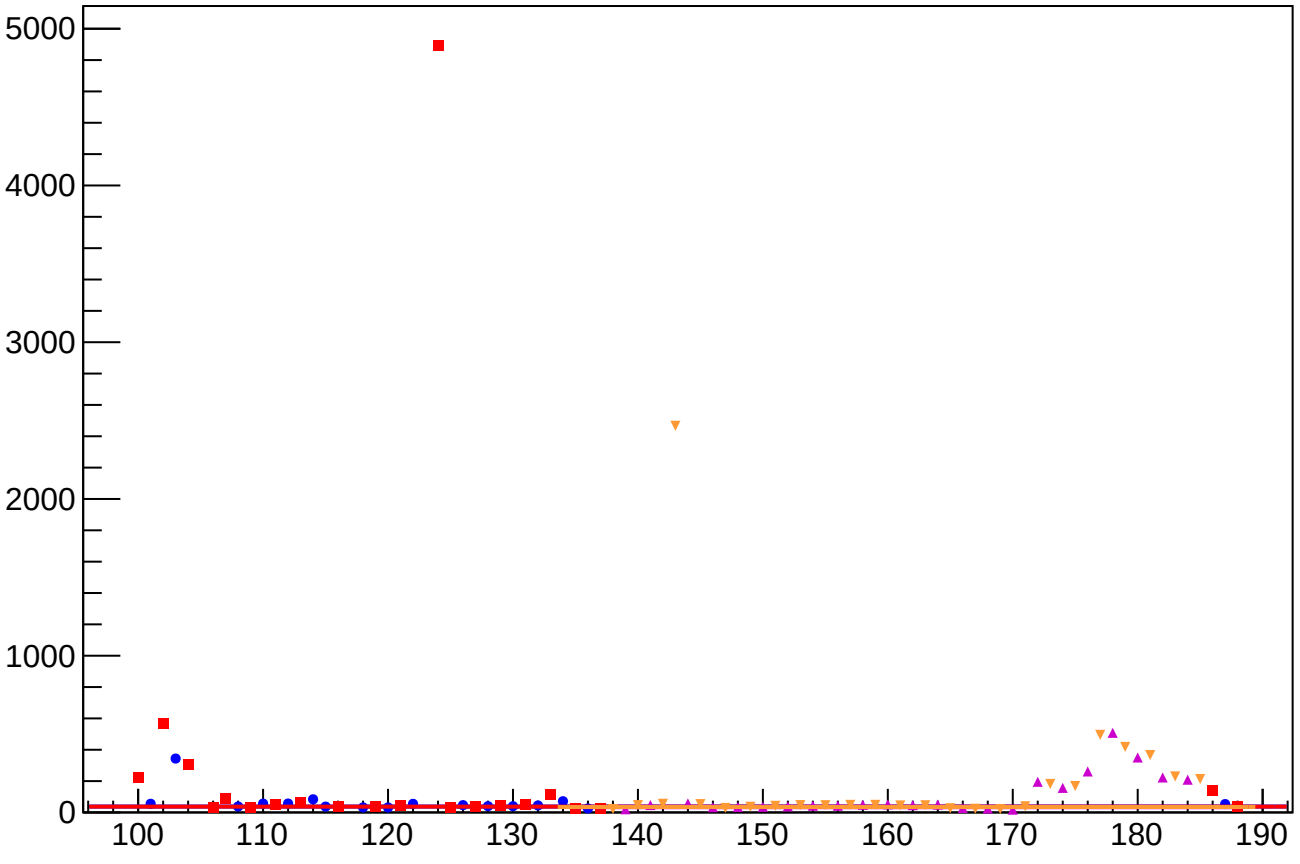
Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.009+/-0.006 χ^2/NDF: 84.0/85

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

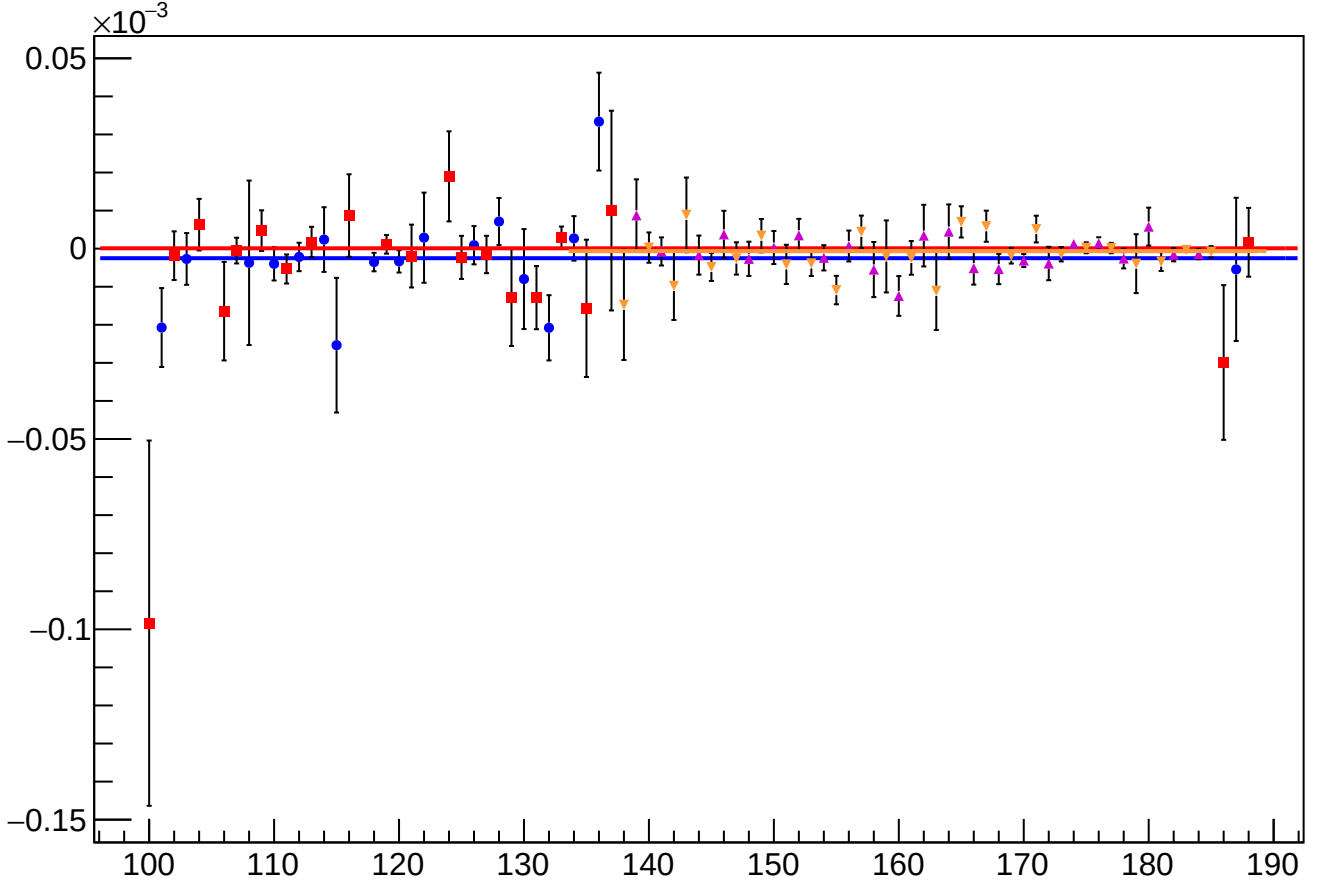
Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.531+/-0.006 χ^2/NDF: 13471288.9/41

All: 35.078+/-0.004 χ^2/NDF: 27259609.7/85

\- sign 34.653+/-0.006 χ^2/NDF: 13777574.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

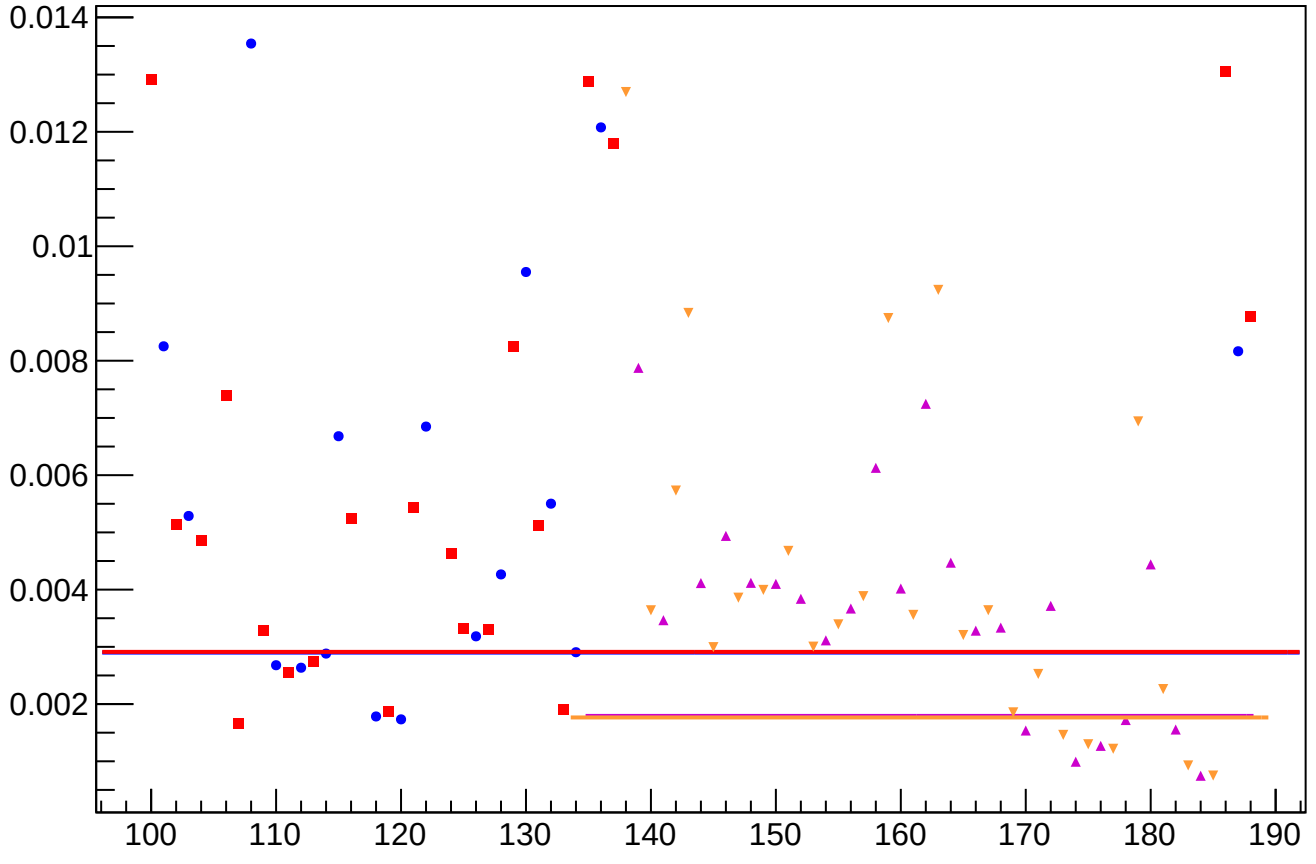
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/20

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.1/41

All: -0.000+/-0.000 χ^2/NDF: 95.7/85

- sign -0.000+/-0.000 χ^2/NDF: 43.3/43



Right In: 0.003+/-0.000 χ^2/NDF: 4309586.2/16

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

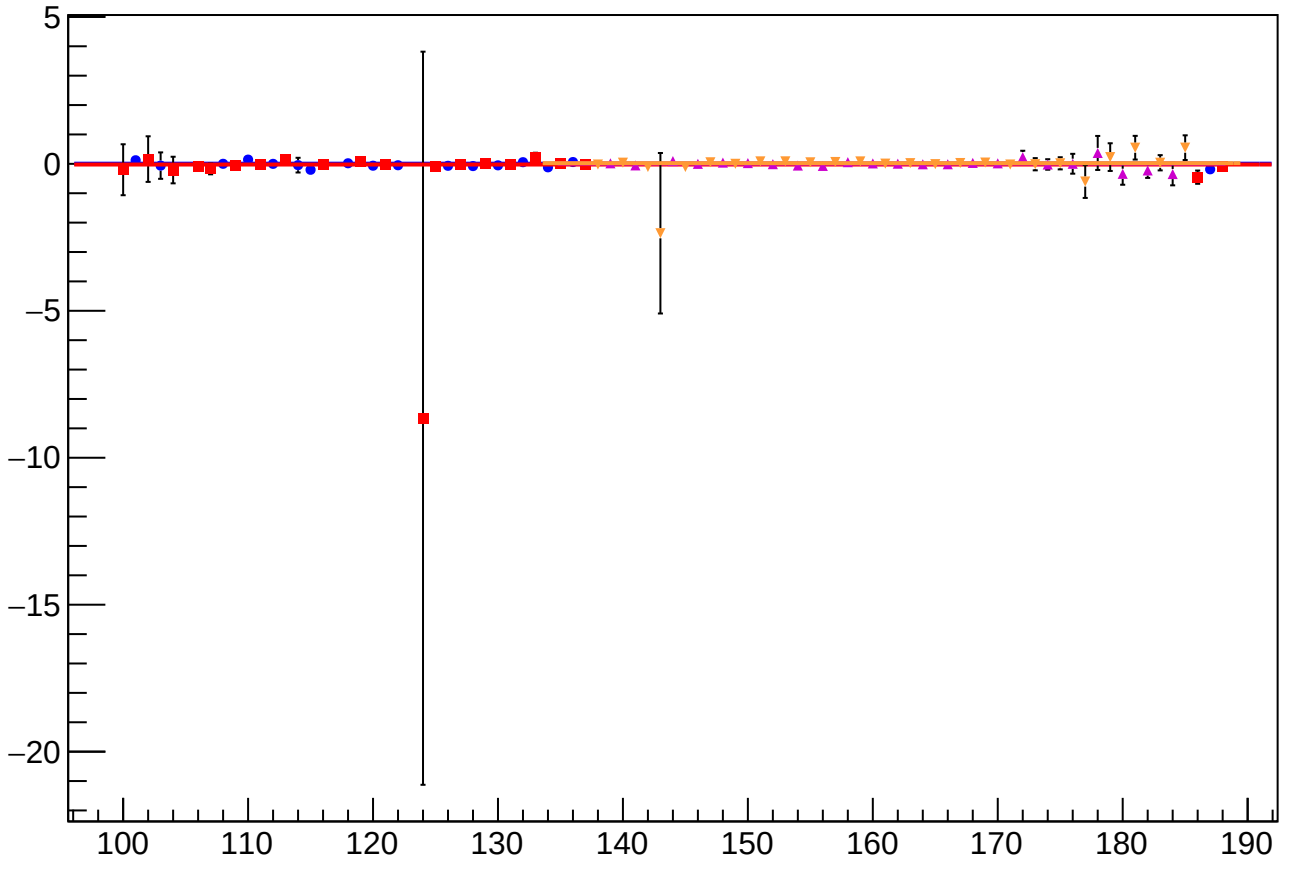
Right Out: 0.003+/-0.000 χ^2/NDF: 4675260.3/20

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 18548912.6/41

All: 0.002+/-0.000 χ^2/NDF: 35536233.1/85

- sign 0.002+/-0.000 χ^2/NDF: 16962380.0/43



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

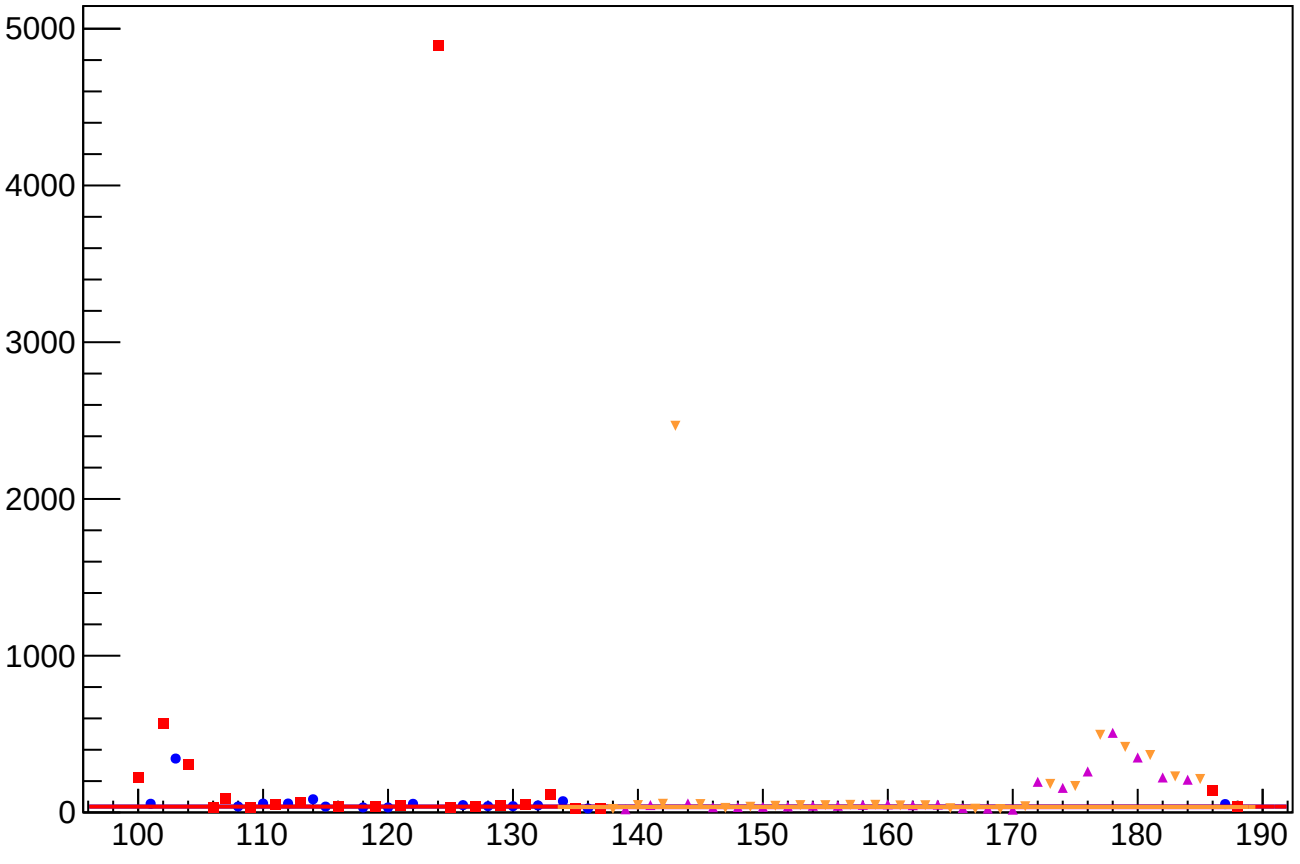
Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.009+/-0.006 χ^2/NDF: 84.0/85

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

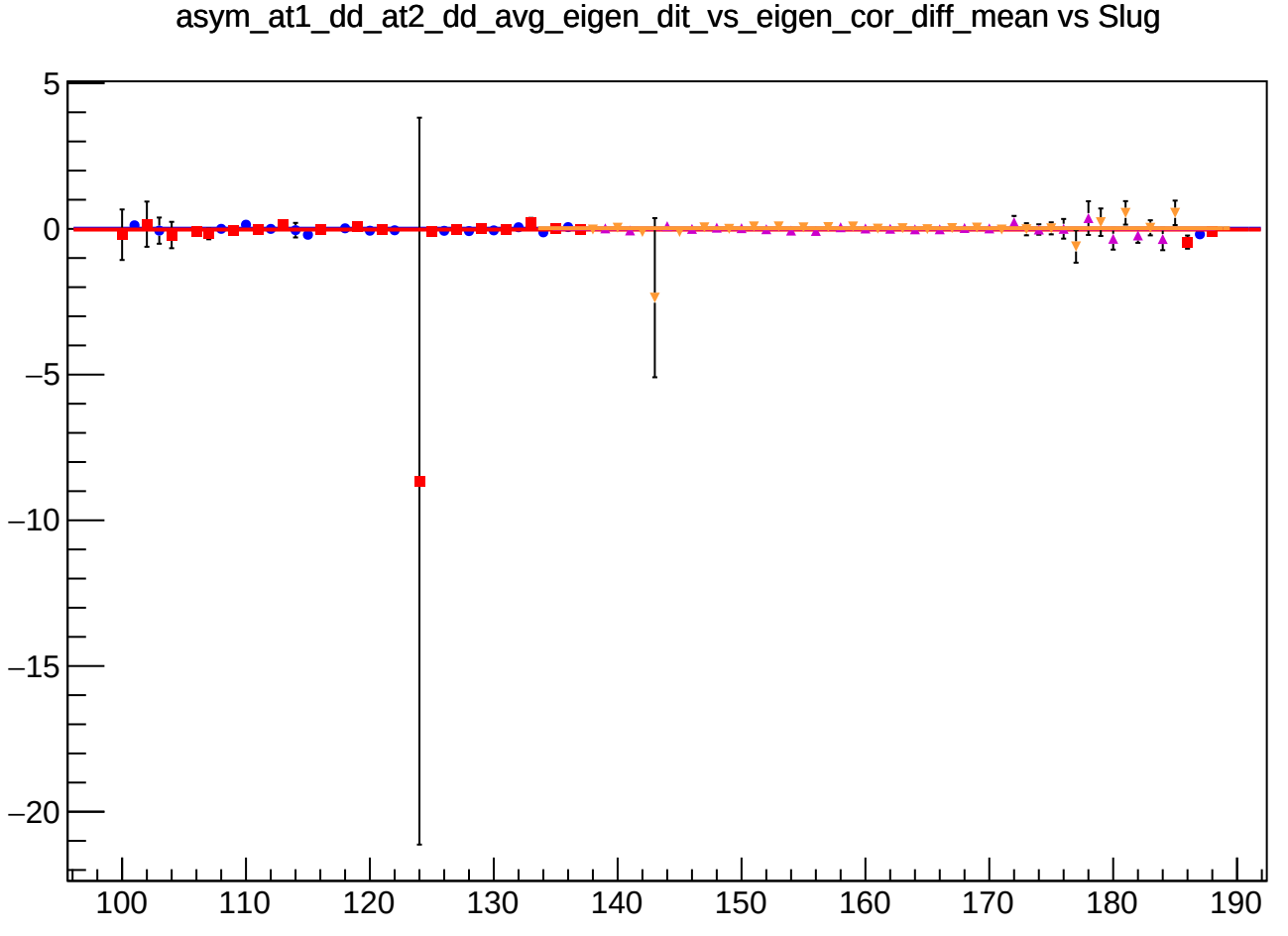
Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.530+/-0.006 χ^2/NDF: 13471403.5/41

All: 35.079+/-0.004 χ^2/NDF: 27258060.9/85

\- sign 34.655+/-0.006 χ^2/NDF: 13775978.0/43



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

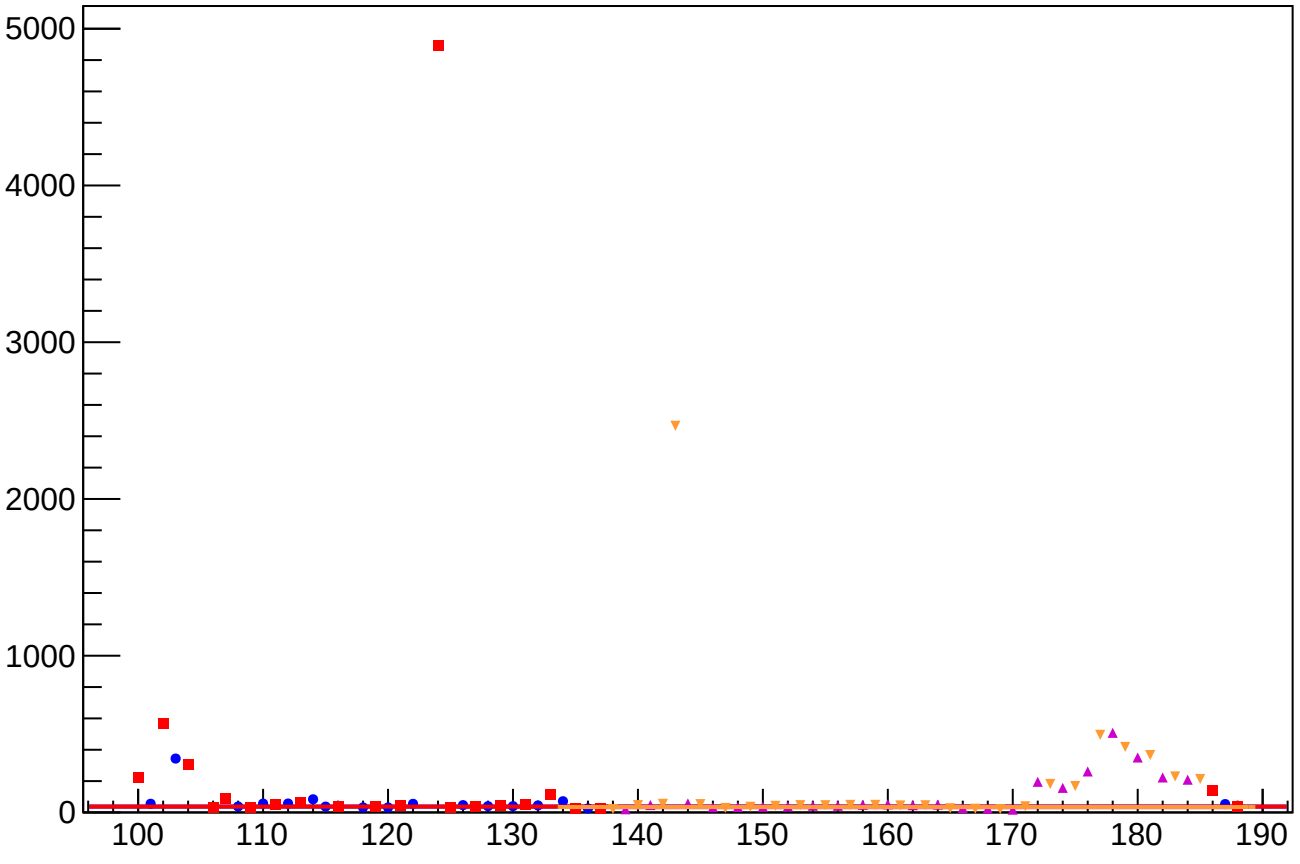
Right Out: -0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.009+/-0.006 χ^2/NDF: 84.0/85

- sign -0.000+/-0.008 χ^2/NDF: 36.3/43



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

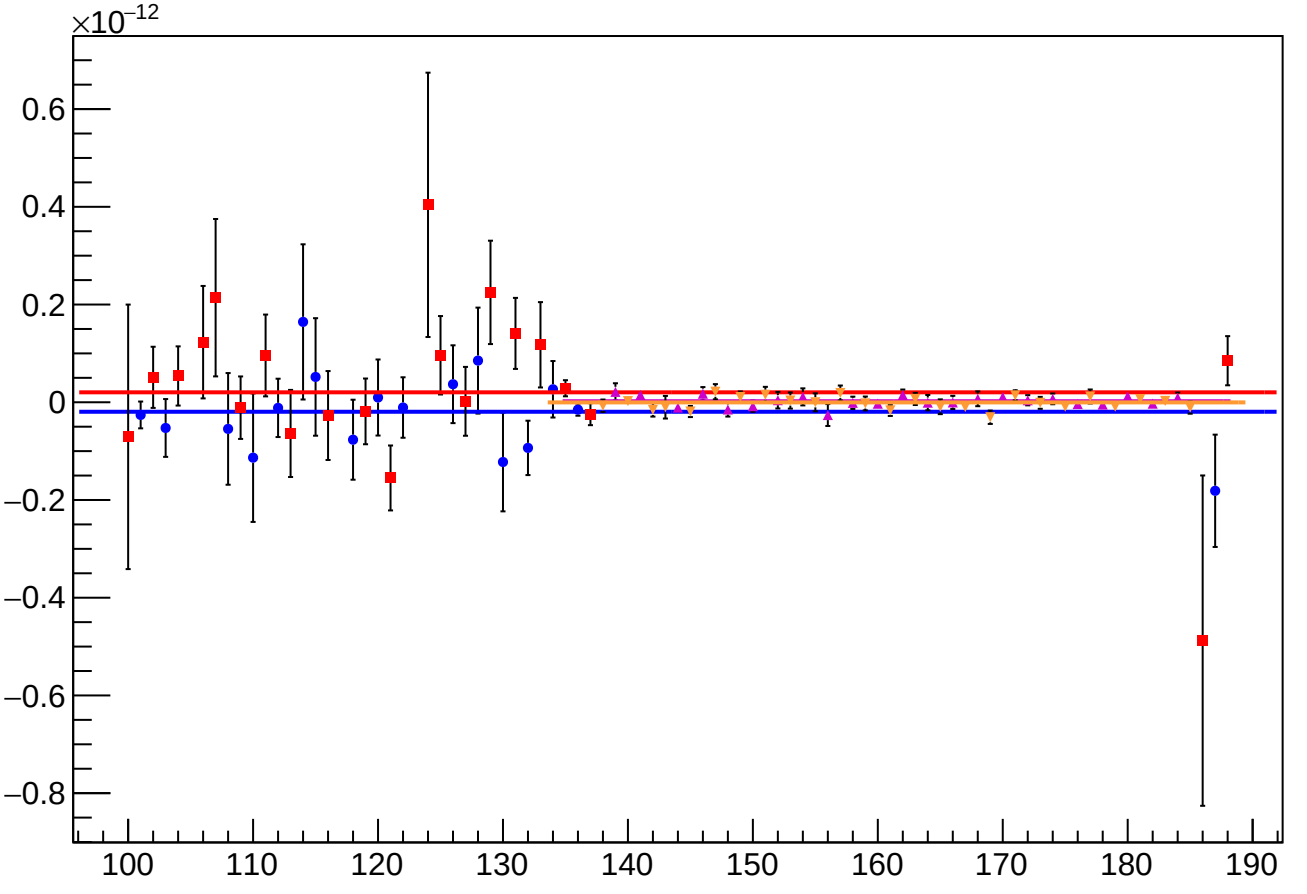
Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.530+/-0.006 χ^2/NDF: 13471403.5/41

All: 35.079+/-0.004 χ^2/NDF: 27258060.9/85

\- sign 34.655+/-0.006 χ^2/NDF: 13775978.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 10.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

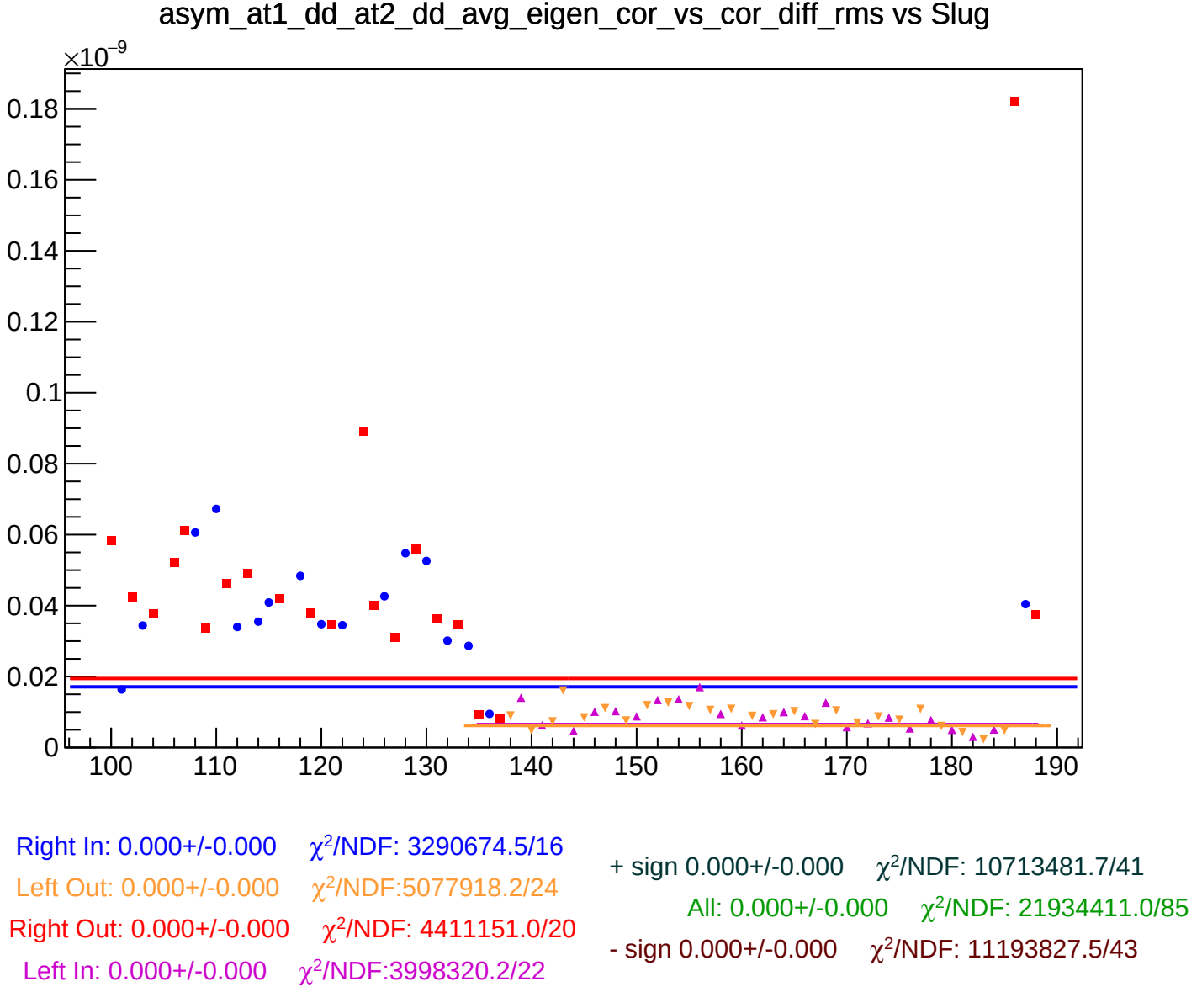
Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/20

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

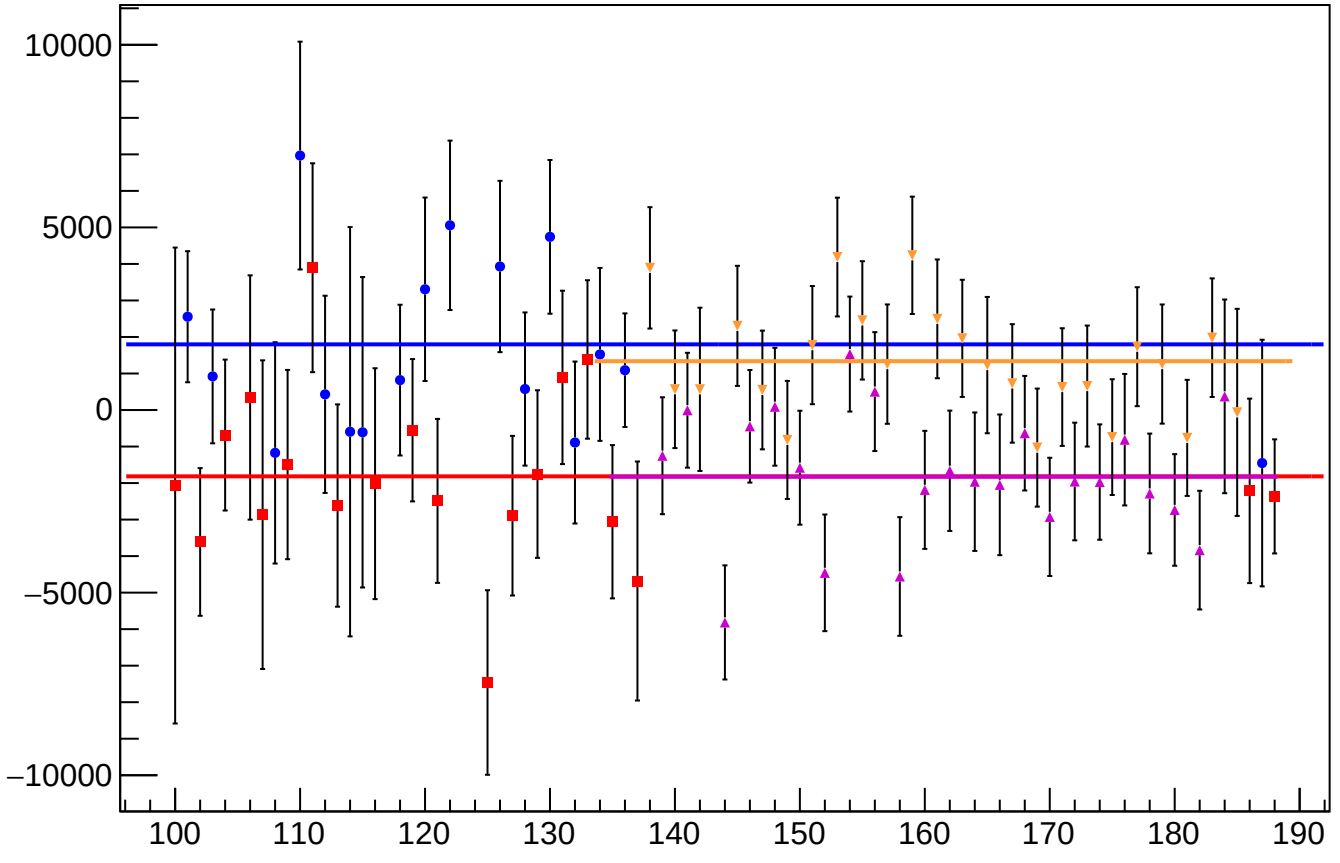
+ sign -0.000+/-0.000 χ^2/NDF: 40.0/41

All: 0.000+/-0.000 χ^2/NDF: 95.7/85

- sign 0.000+/-0.000 χ^2/NDF: 54.0/43


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3290674.5/16
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 4411151.0/20
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10713481.7/41
All: 0.000+/-0.000 χ²/NDF: 21934411.0/85
- sign 0.000+/-0.000 χ²/NDF: 11193827.5/43

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1798.080+/-564.197 χ^2/NDF: 13.2/16

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1815.804+/-538.850 χ^2/NDF: 16.1/19

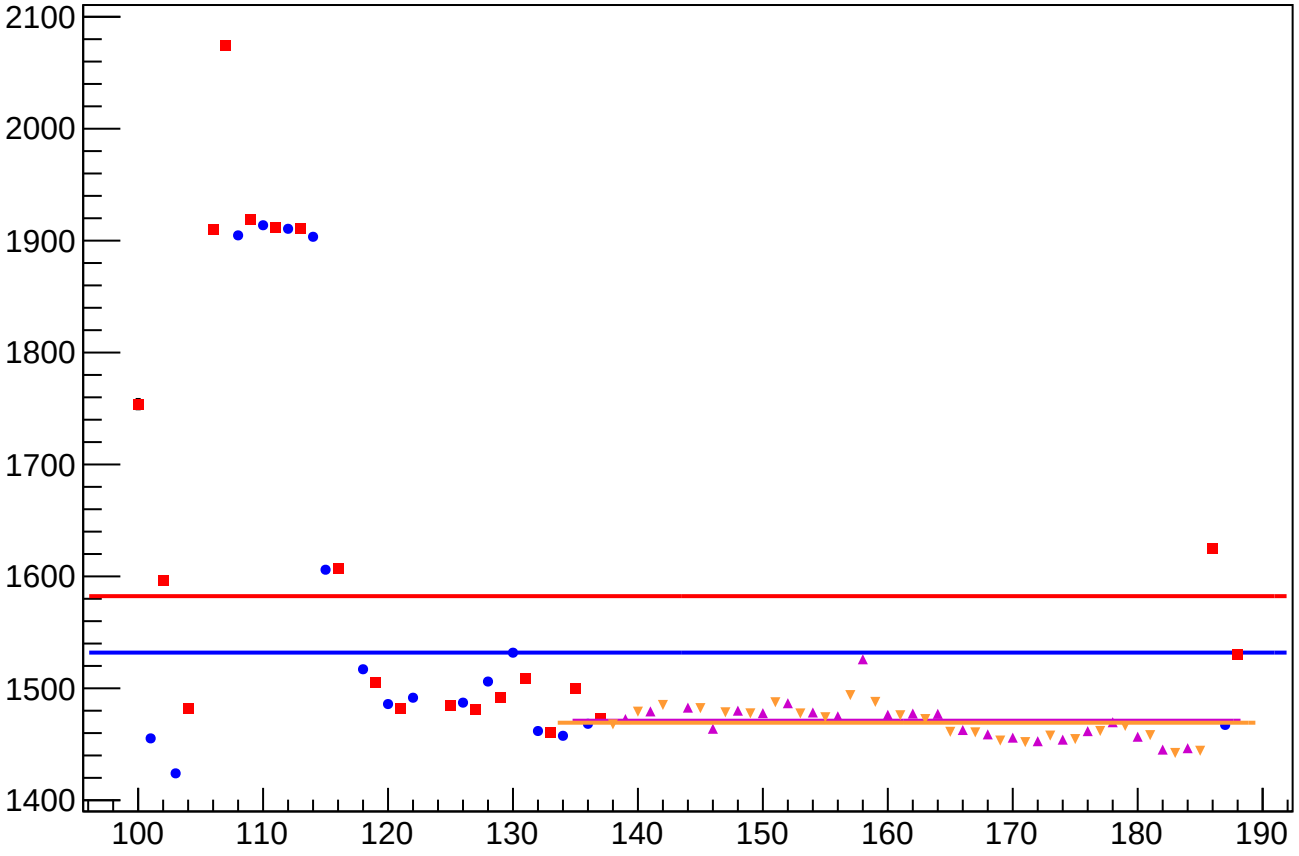
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1460.379+/-291.845 χ^2/NDF: 32.9/40

All: -193.989+/-205.582 χ^2/NDF: 139.3/83

- sign -1823.480+/-289.642 χ^2/NDF: 42.6/42

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1531.914+/-0.399 χ^2/NDF: 130025.3/16

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

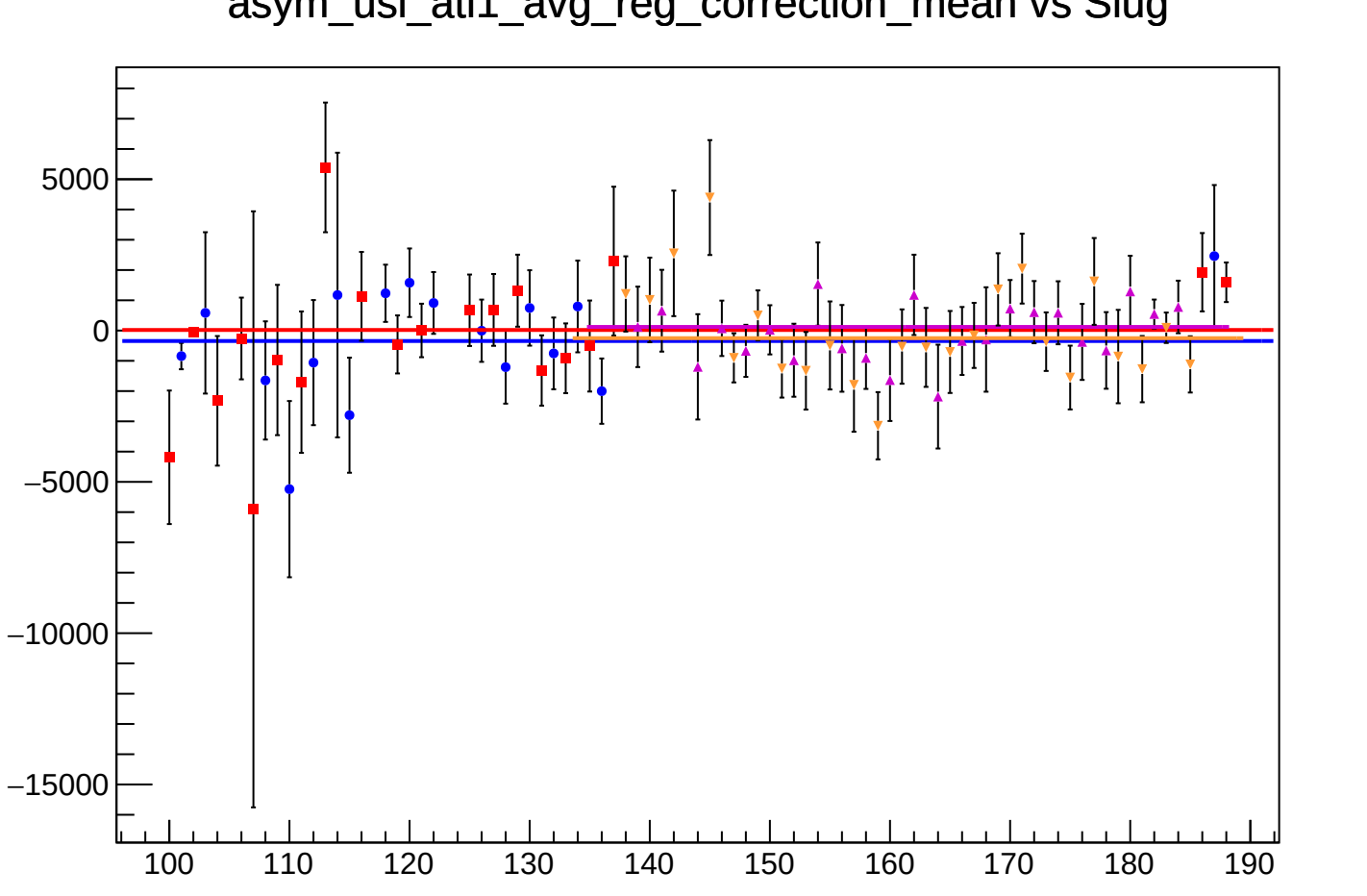
Right Out: 1582.350+/-0.381 χ^2/NDF: 174928.1/19

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1486.030+/-0.206 χ^2/NDF: 151241.6/40

All: 1494.685+/-0.145 χ^2/NDF: 394973.5/83

- sign 1503.210+/-0.205 χ^2/NDF: 240240.0/42



Right In: -345.077+/-270.398 χ^2/NDF: 19.6/16

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 18.862+/-124.744 χ^2/NDF: 26.2/19

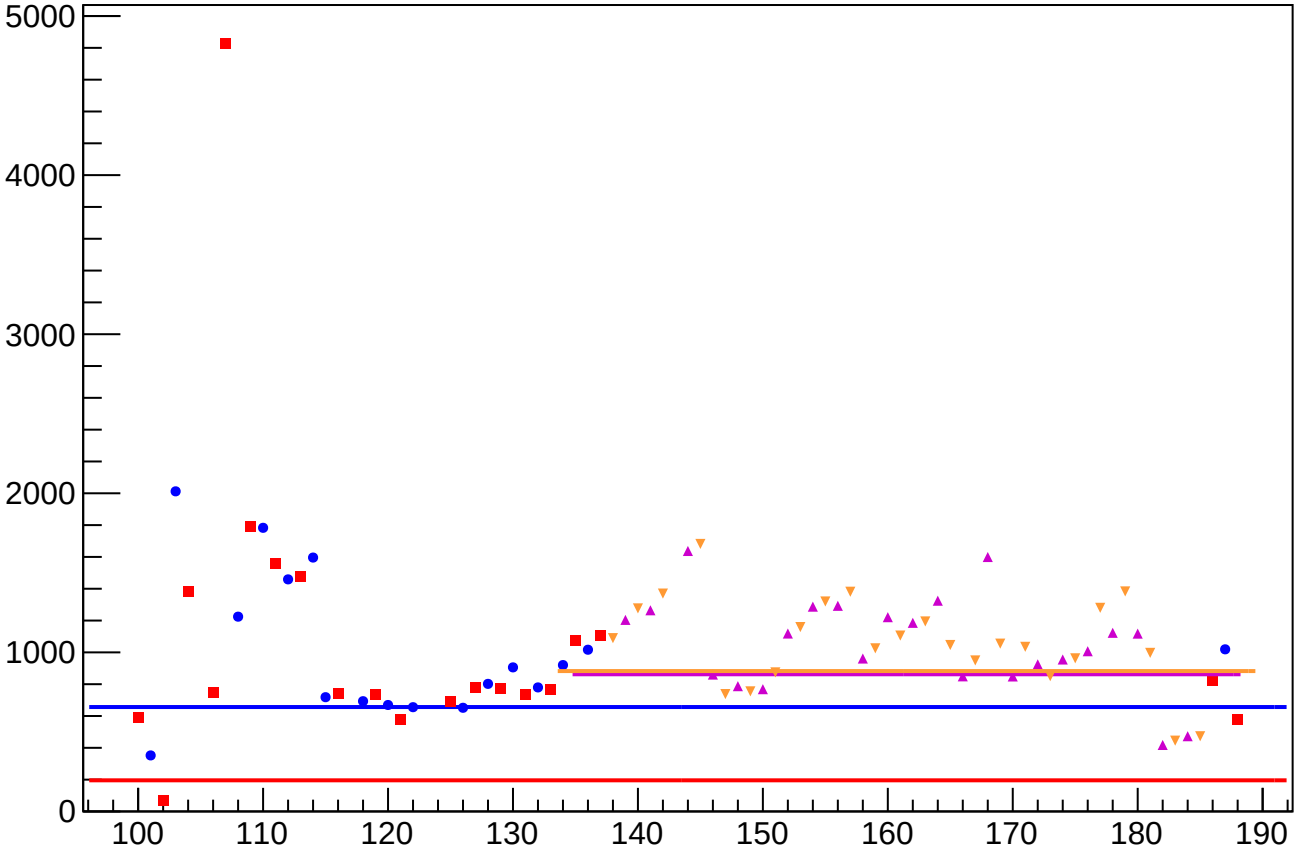
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -288.506+/-169.887 χ^2/NDF: 52.4/40

All: -51.647+/-91.154 χ^2/NDF: 94.3/83

- sign 44.112+/-108.020 χ^2/NDF: 39.1/42

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 656.399+/-0.191 χ^2/NDF: 2811043.2/16

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 195.721+/-0.088 χ^2/NDF: 10980742.0/19

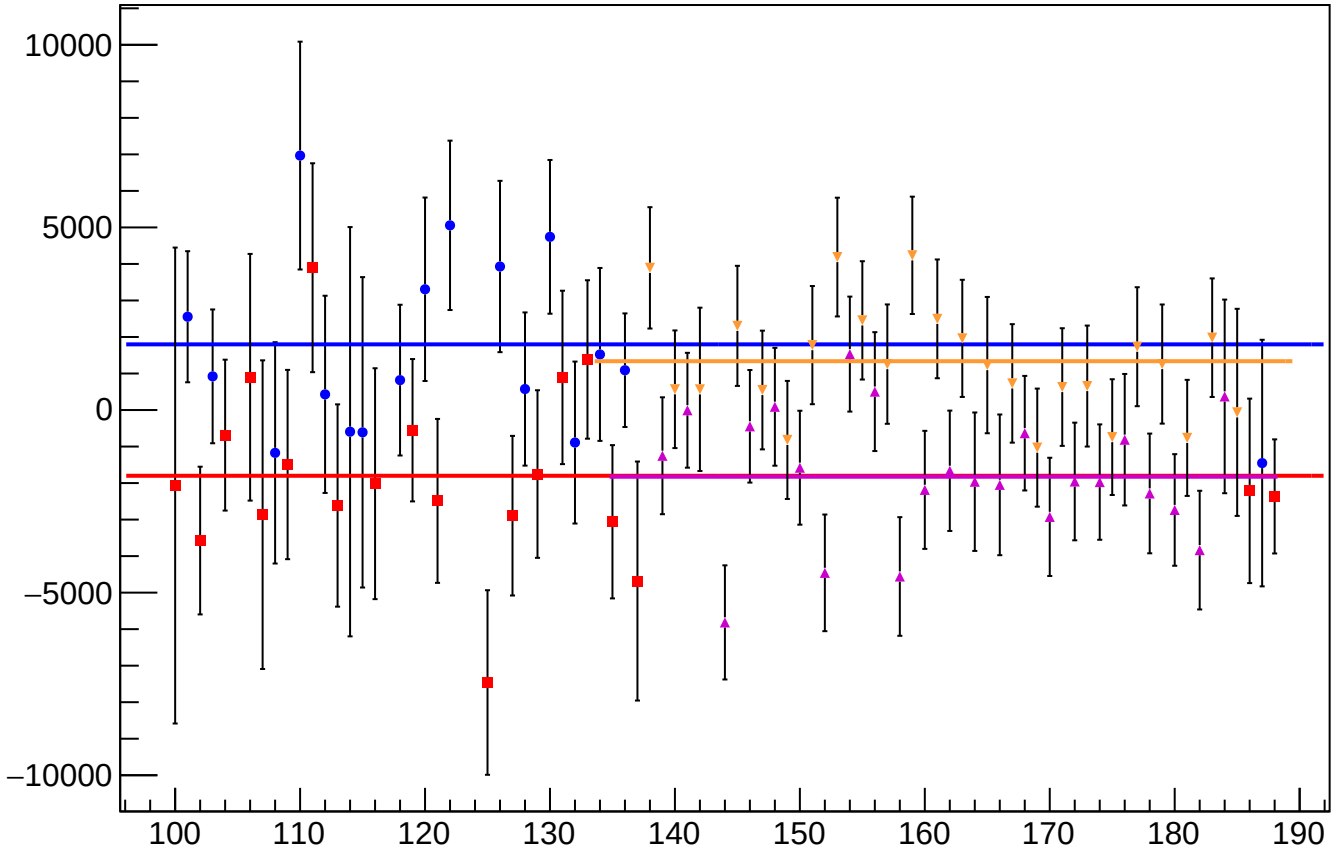
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 793.206+/-0.120 χ^2/NDF: 7558184.5/40

All: 486.474+/-0.064 χ^2/NDF: 46349313.6/83

- sign 362.467+/-0.076 χ^2/NDF: 29635680.2/42

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1798.173+/-564.197 χ^2/NDF: 13.2/16

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1800.075+/-538.989 χ^2/NDF: 16.3/19

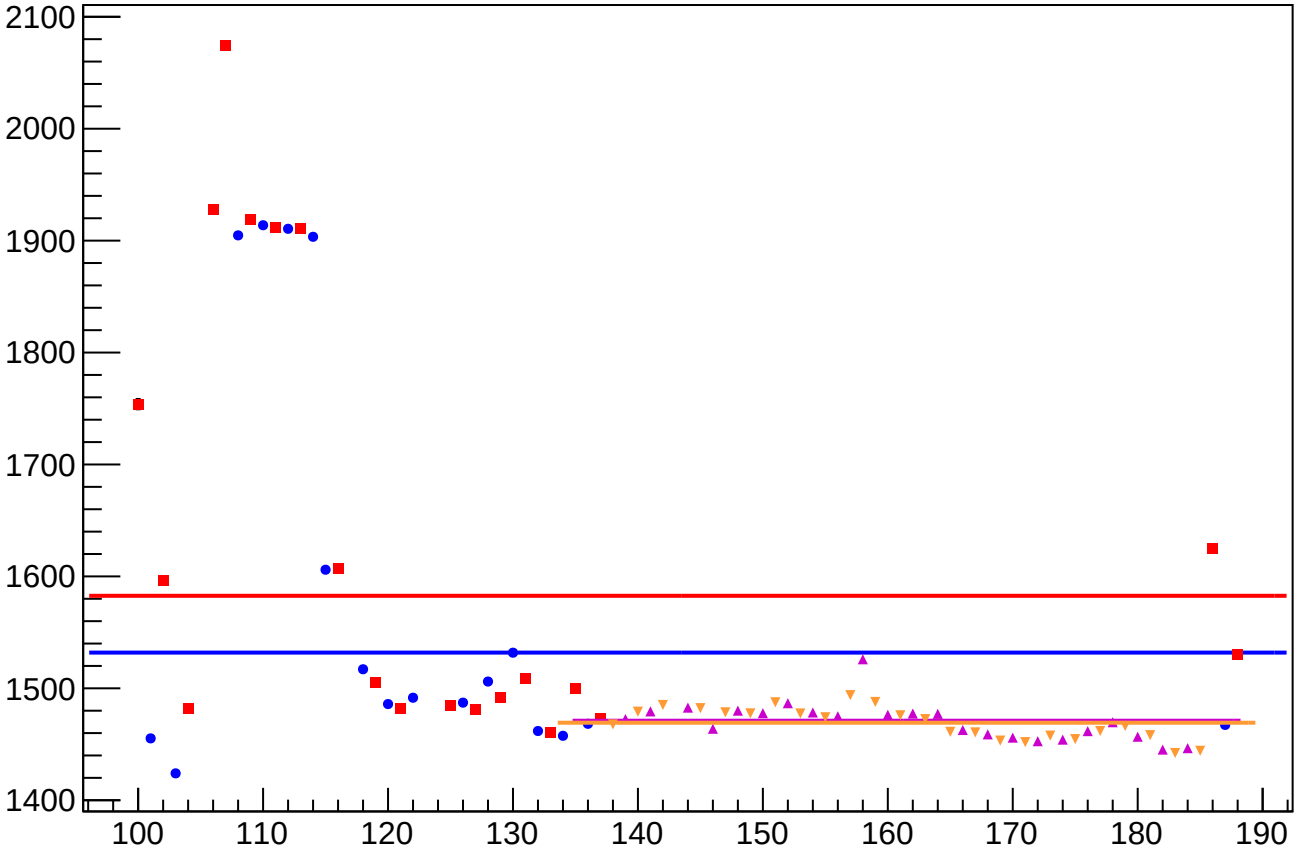
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1460.411+/-291.845 χ^2/NDF: 32.9/40

All: -191.580+/-205.590 χ^2/NDF: 139.3/83

- sign -1818.970+/-289.664 χ^2/NDF: 42.8/42

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1531.914+/-0.399 χ^2/NDF: 130025.2/16

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

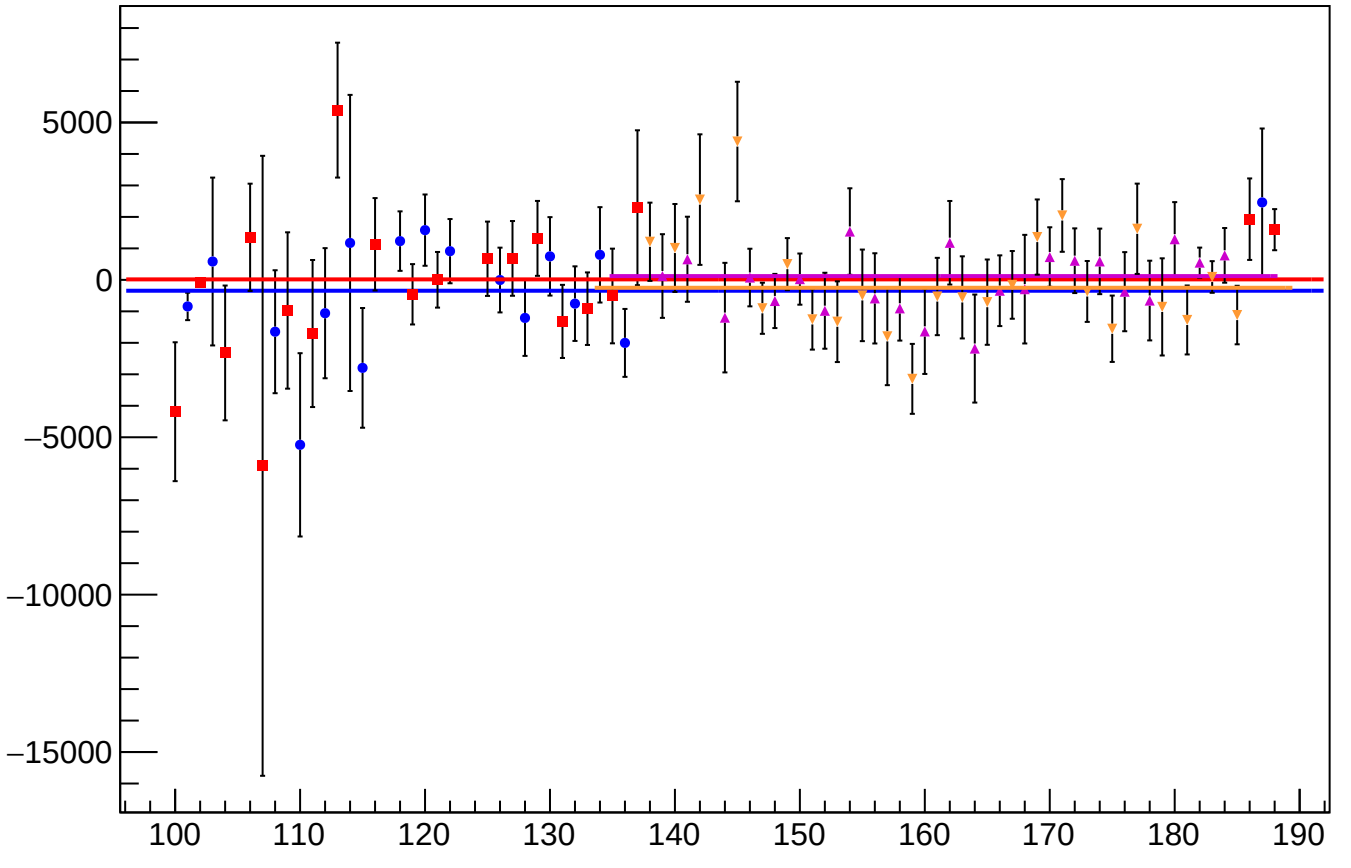
Right Out: 1582.669+/-0.381 χ^2/NDF: 176729.4/19

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1486.030+/-0.206 χ^2/NDF: 151241.6/40

All: 1494.725+/-0.145 χ^2/NDF: 397133.2/83

- sign 1503.291+/-0.205 χ^2/NDF: 242367.2/42



Right In: -345.044+/-270.398 χ^2/NDF: 19.6/16

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 15.672+/-134.417 χ^2/NDF: 27.0/19

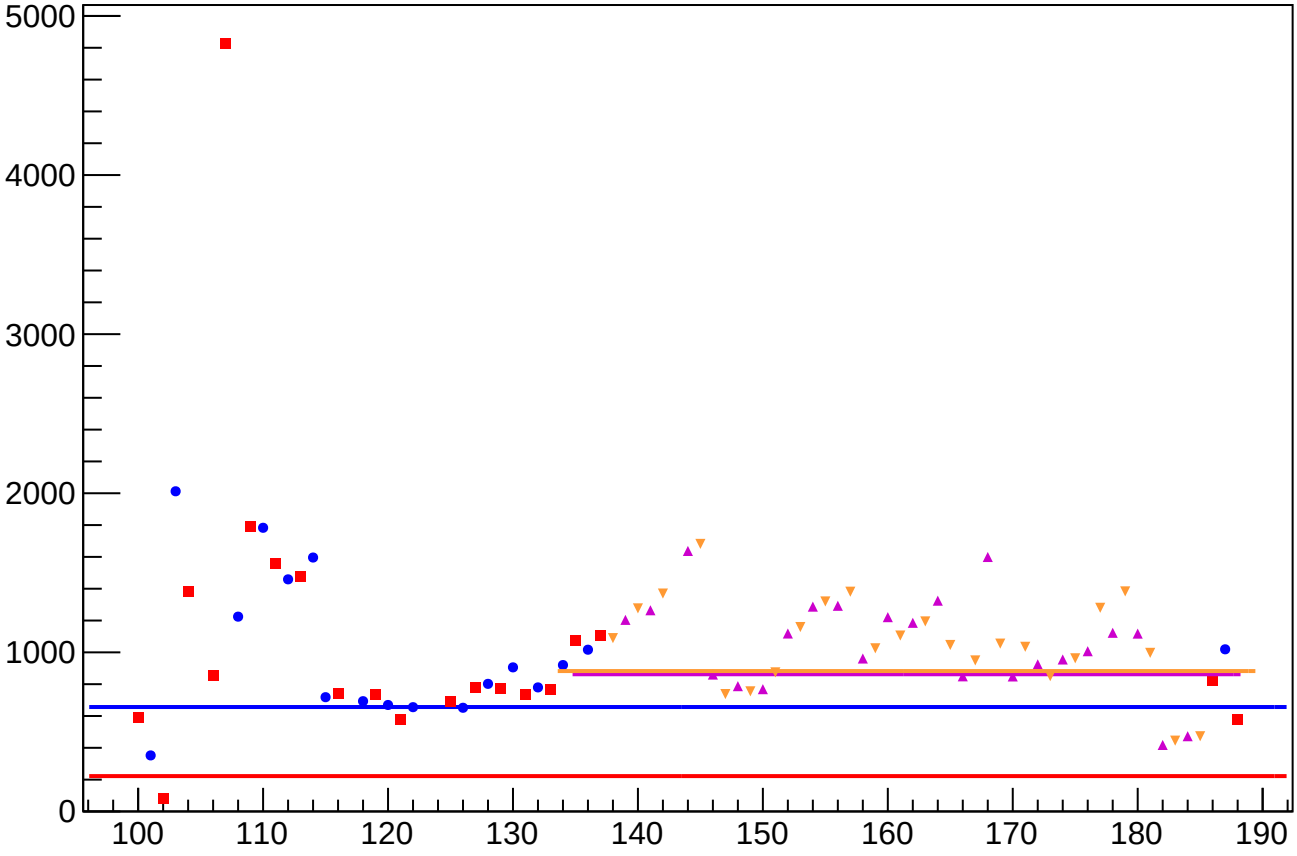
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -288.479+/-169.887 χ^2/NDF: 52.4/40

All: -58.857+/-94.731 χ^2/NDF: 95.0/83

- sign 44.757+/-114.120 χ^2/NDF: 40.0/42

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 656.397+/-0.191 χ^2/NDF: 2811066.9/16

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 222.222+/-0.095 χ^2/NDF: 10374766.1/19

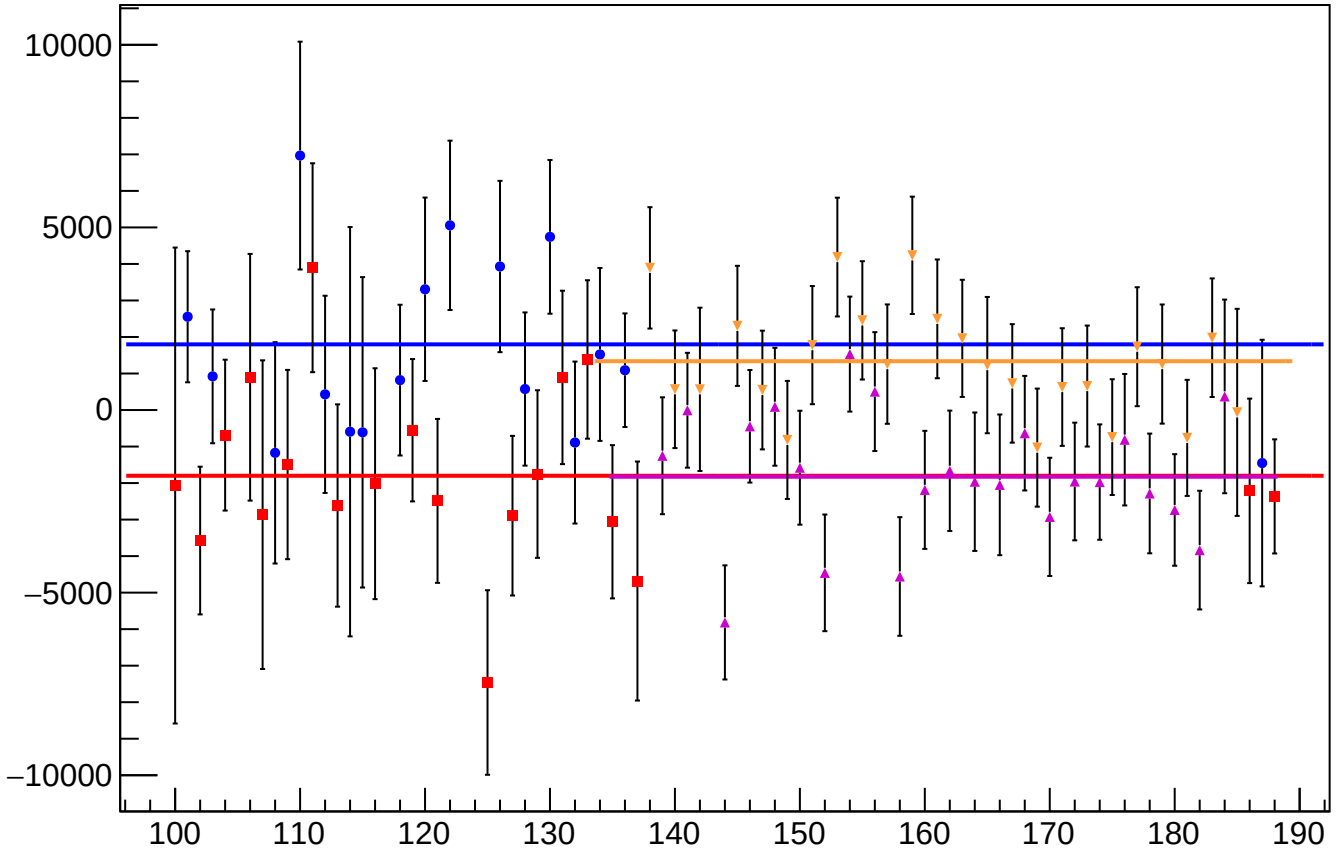
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 793.199+/-0.120 χ^2/NDF: 7558484.2/40

All: 522.900+/-0.067 χ^2/NDF: 42312207.6/83

- sign 400.931+/-0.081 χ^2/NDF: 27406207.2/42

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1798.173+/-564.197 χ^2/NDF: 13.2/16

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1800.075+/-538.989 χ^2/NDF: 16.3/19

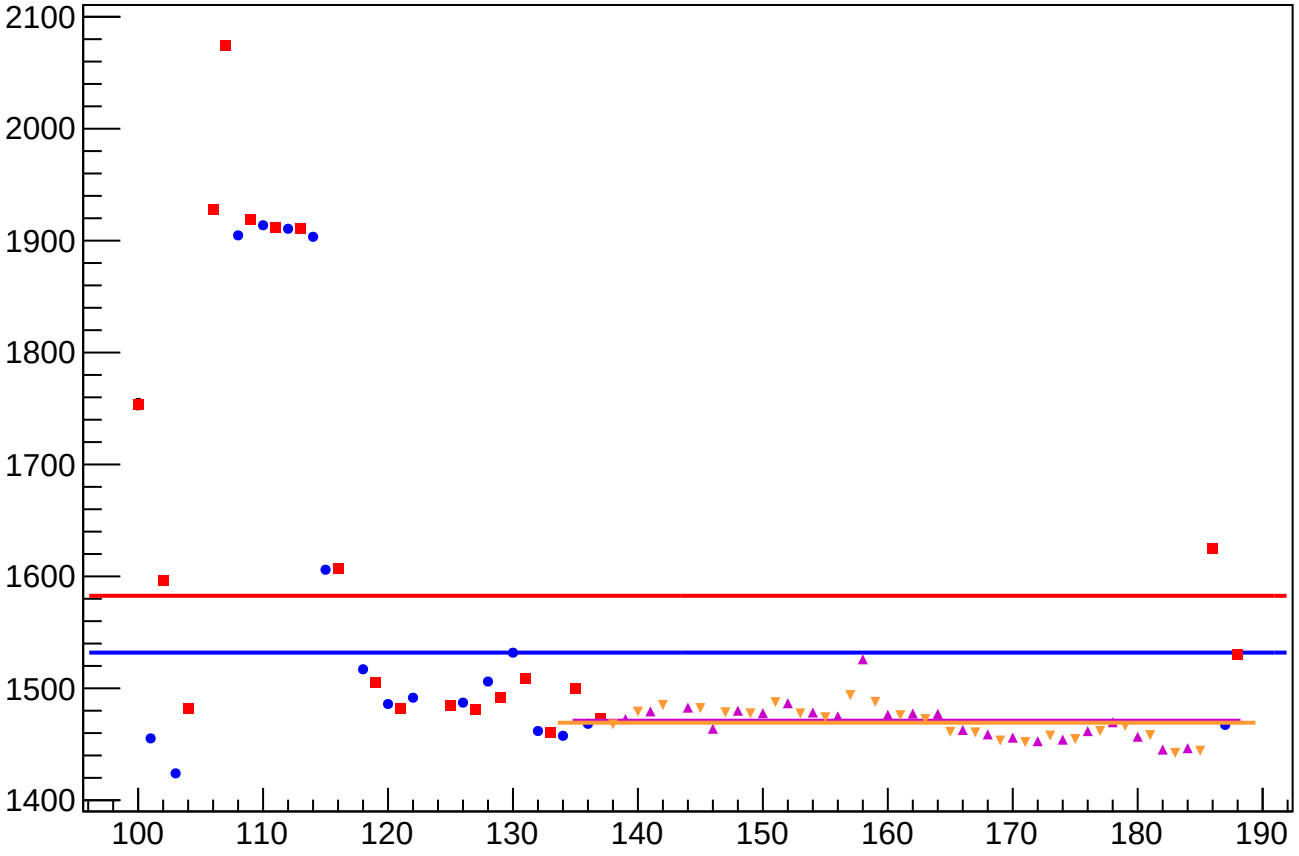
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1460.411+/-291.845 χ^2/NDF: 32.9/40

All: -191.580+/-205.590 χ^2/NDF: 139.3/83

- sign -1818.970+/-289.664 χ^2/NDF: 42.8/42

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1531.914+/-0.399 χ^2/NDF: 130025.2/16

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

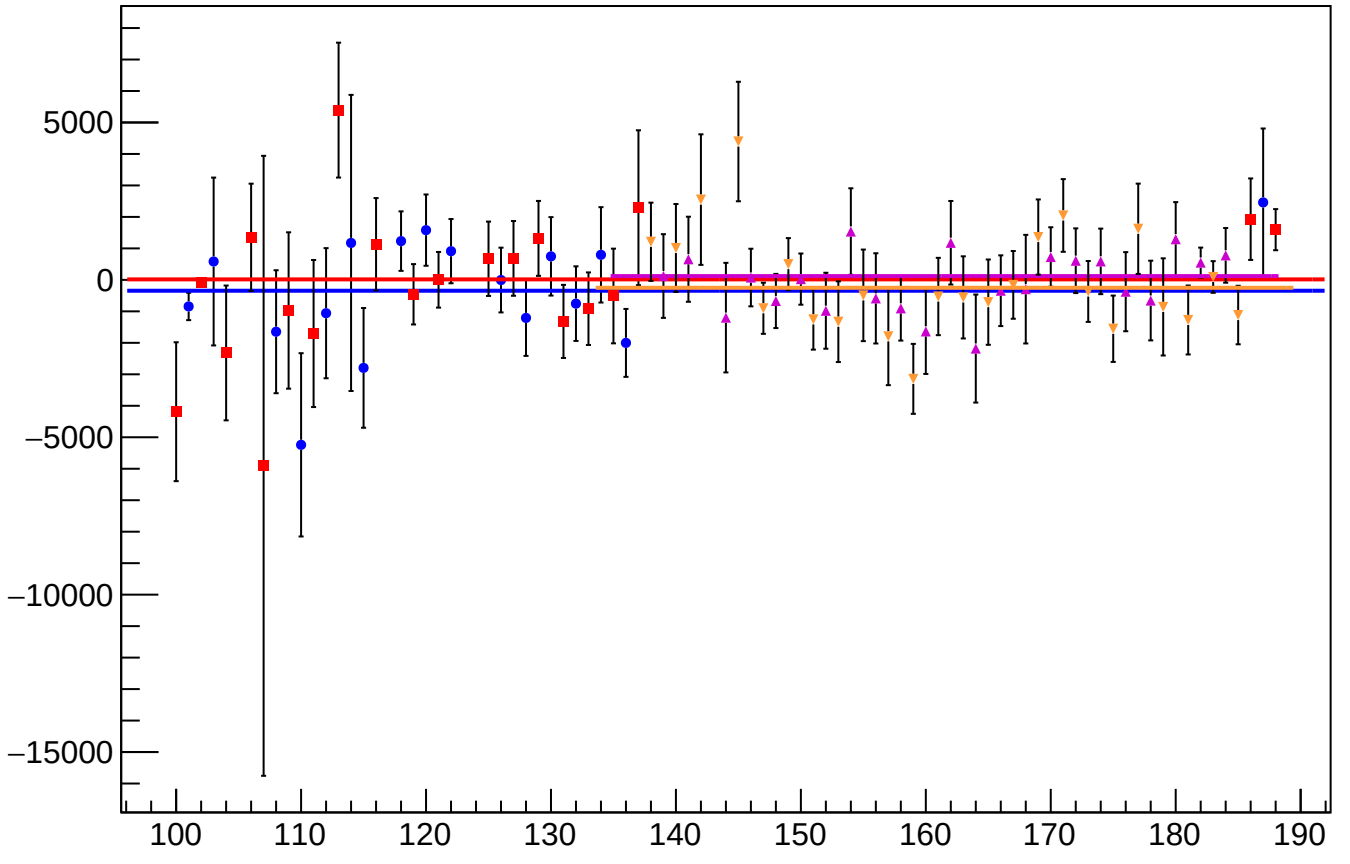
Right Out: 1582.669+/-0.381 χ^2/NDF: 176729.4/19

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1486.030+/-0.206 χ^2/NDF: 151241.6/40

All: 1494.725+/-0.145 χ^2/NDF: 397133.2/83

- sign 1503.291+/-0.205 χ^2/NDF: 242367.2/42



Right In: -345.044+/-270.398 χ^2/NDF: 19.6/16

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

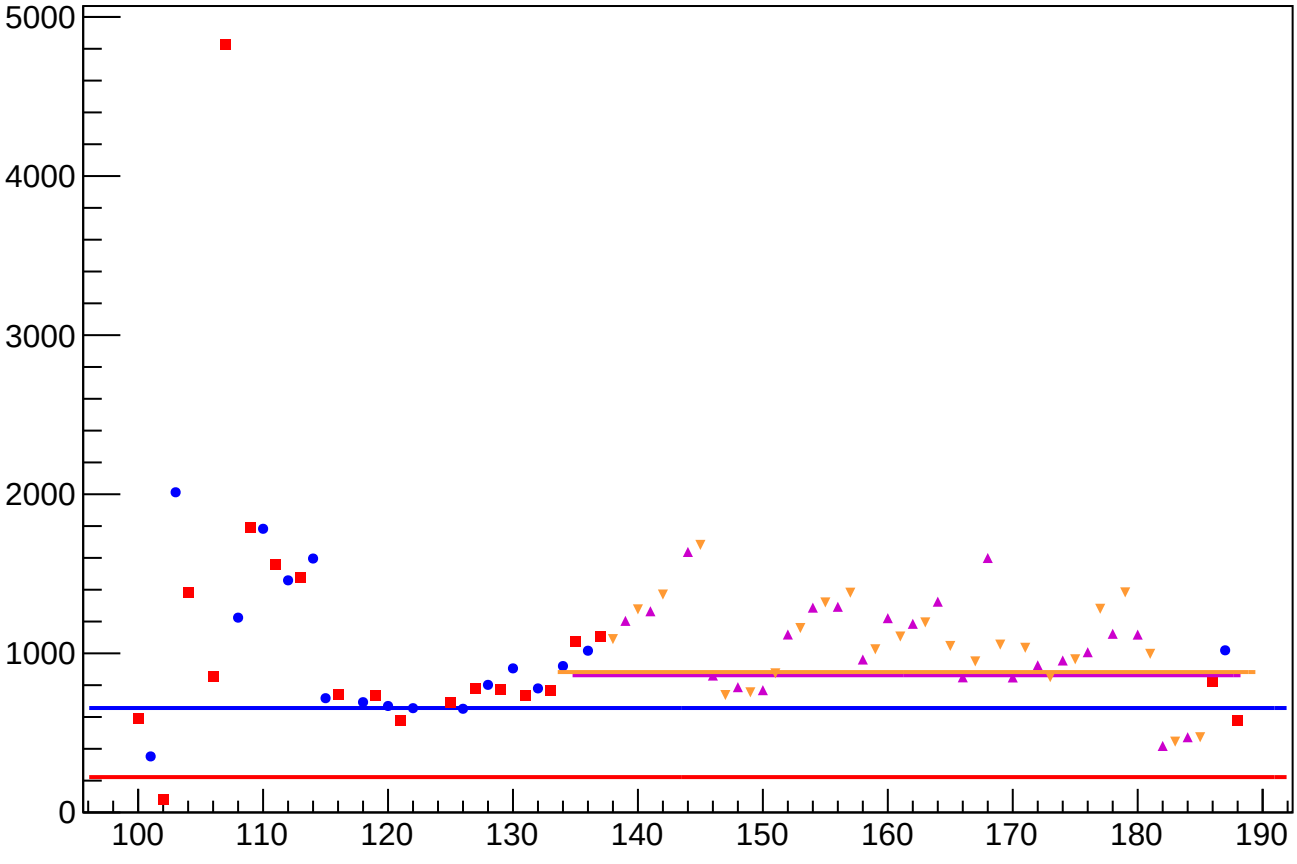
Right Out: 15.672+/-134.417 χ^2/NDF: 27.0/19

Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -288.479+/-169.887 χ^2/NDF: 52.4/40

All: -58.857+/-94.731 χ^2/NDF: 95.0/83

- sign 44.757+/-114.120 χ^2/NDF: 40.0/42



Right In: 656.397+/-0.191 χ^2/NDF: 2811066.9/16

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 222.222+/-0.095 χ^2/NDF: 10374766.1/19

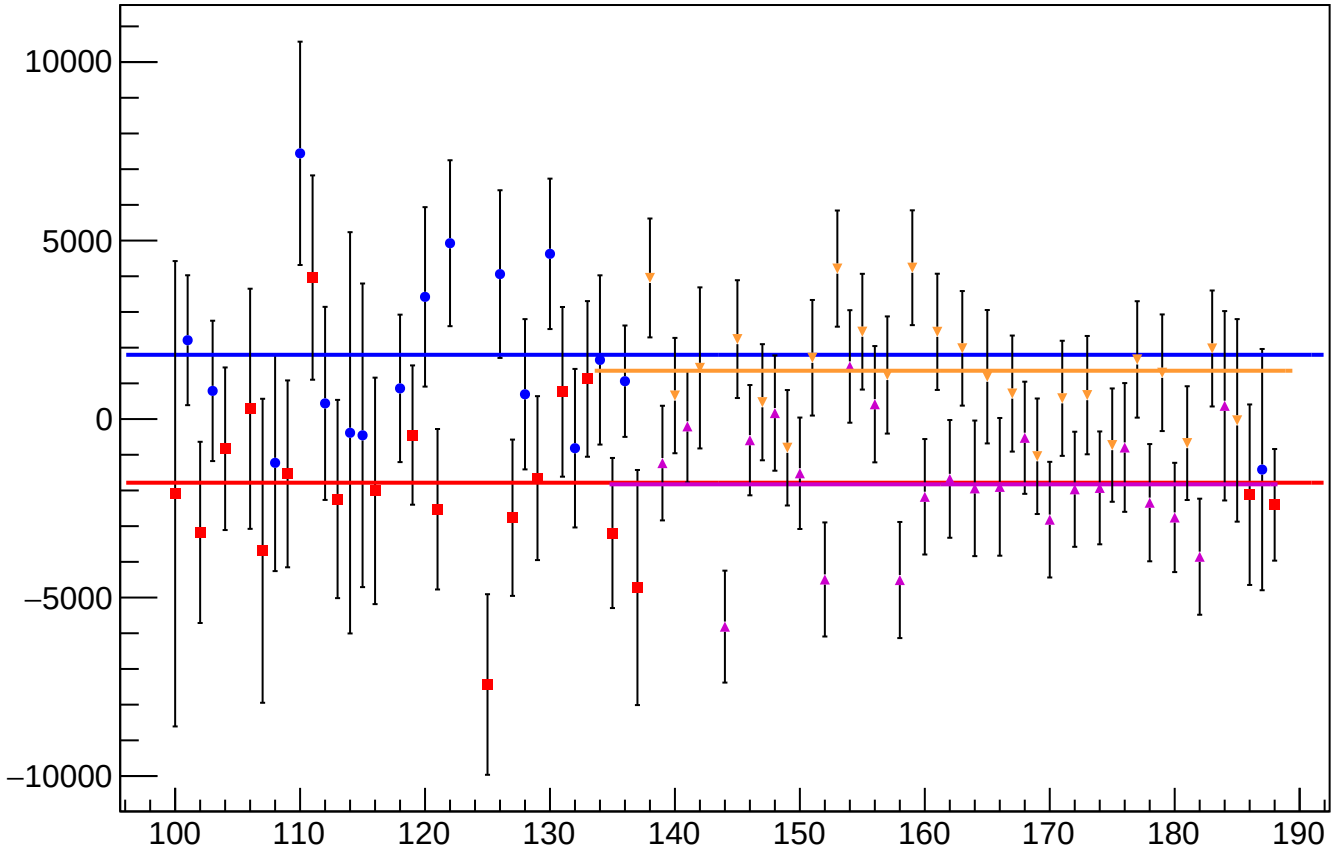
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 793.199+/-0.120 χ^2/NDF: 7558484.2/40

All: 522.900+/-0.067 χ^2/NDF: 42312207.6/83

- sign 400.931+/-0.081 χ^2/NDF: 27406207.2/42

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1800.197+/-569.372 χ^2/NDF: 13.2/16

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1782.908+/-550.559 χ^2/NDF: 15.3/19

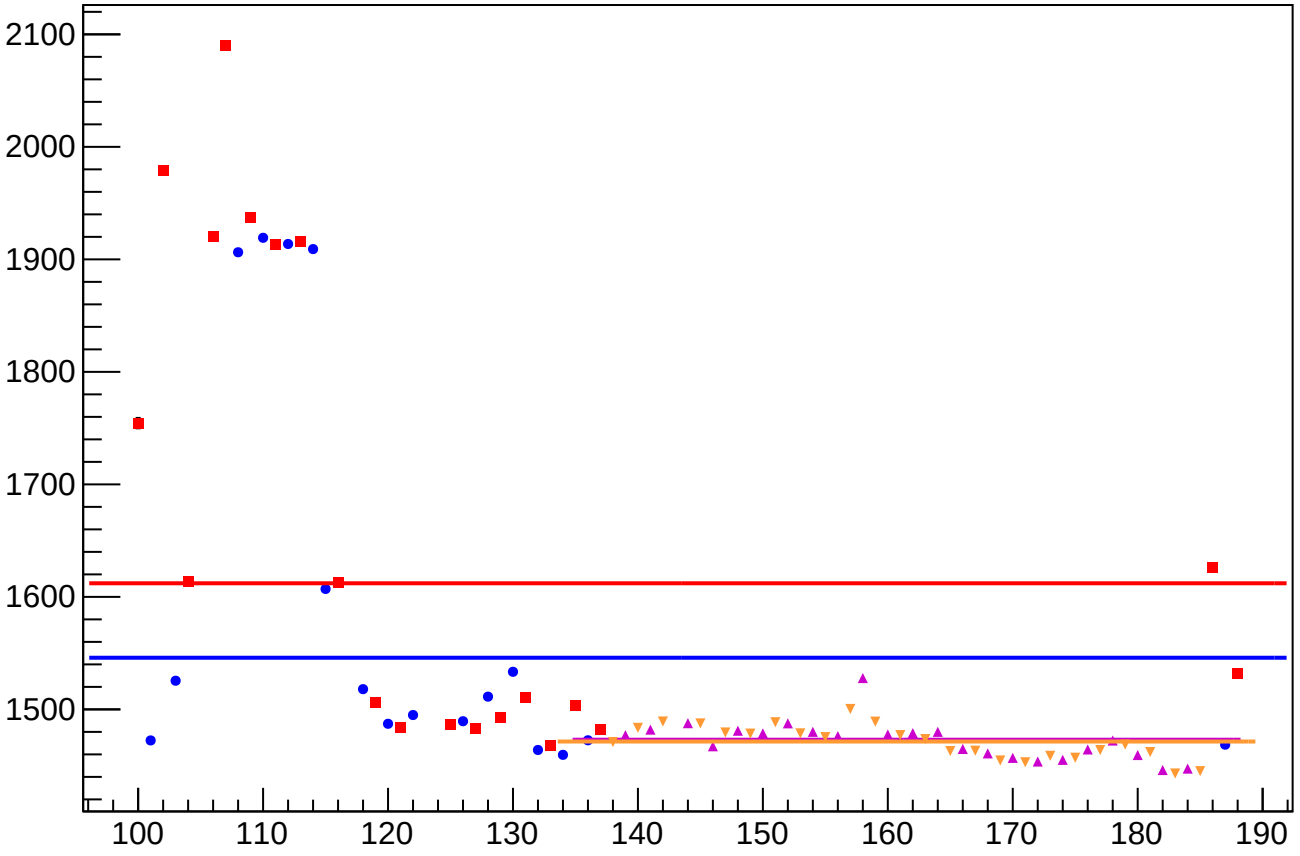
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1471.853+/-292.906 χ^2/NDF: 32.6/40

All: -178.580+/-206.690 χ^2/NDF: 136.9/83

- sign -1815.521+/-291.706 χ^2/NDF: 41.1/42

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1545.916+/-0.403 χ^2/NDF: 120981.9/16

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

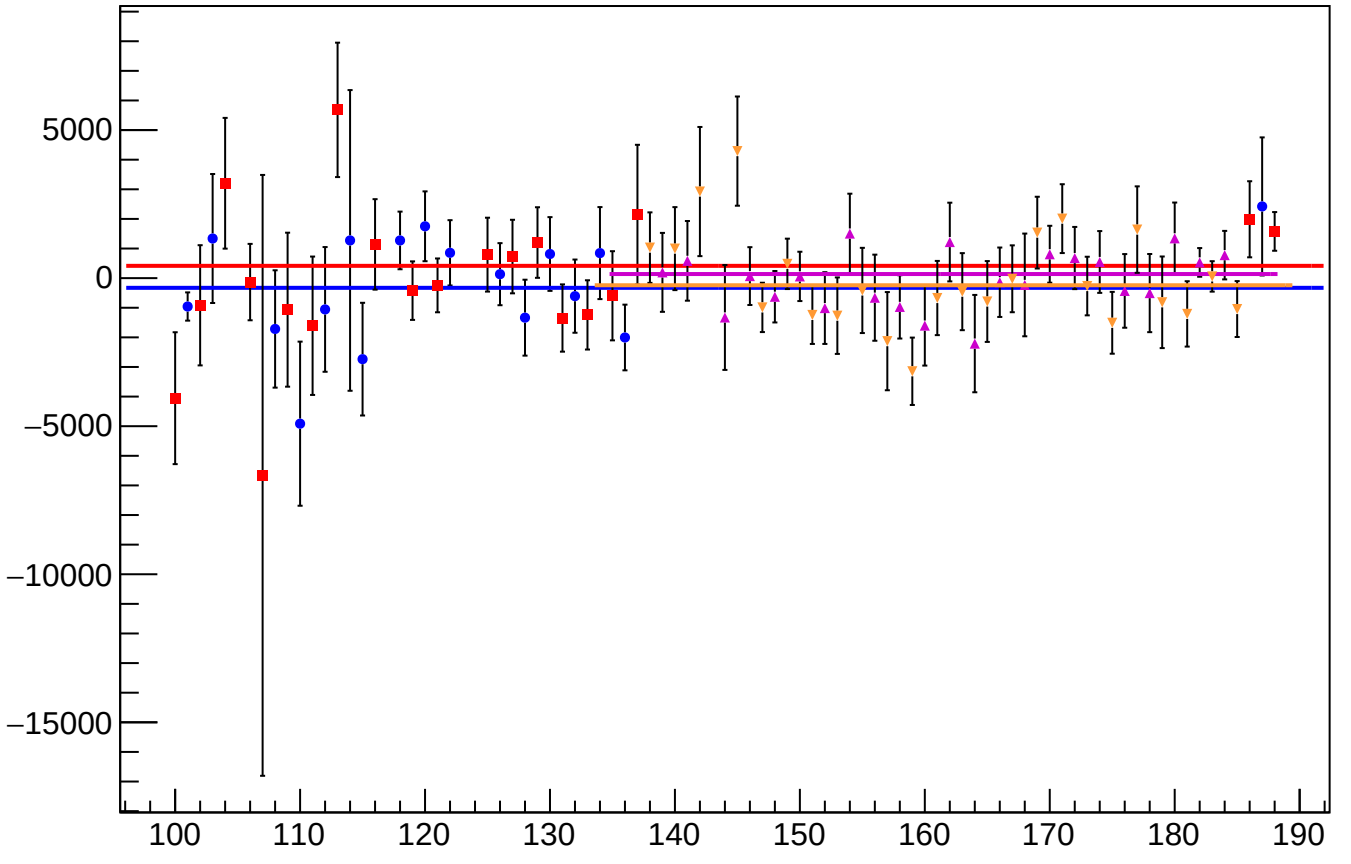
Right Out: 1612.095+/-0.389 χ^2/NDF: 217595.7/19

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1491.147+/-0.207 χ^2/NDF: 149584.1/40

All: 1501.658+/-0.146 χ^2/NDF: 468816.4/83

- sign 1512.083+/-0.206 χ^2/NDF: 314102.8/42



Right In: -327.176+/-284.436 χ^2/NDF: 20.3/16

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 415.268+/-294.624 χ^2/NDF: 25.3/19

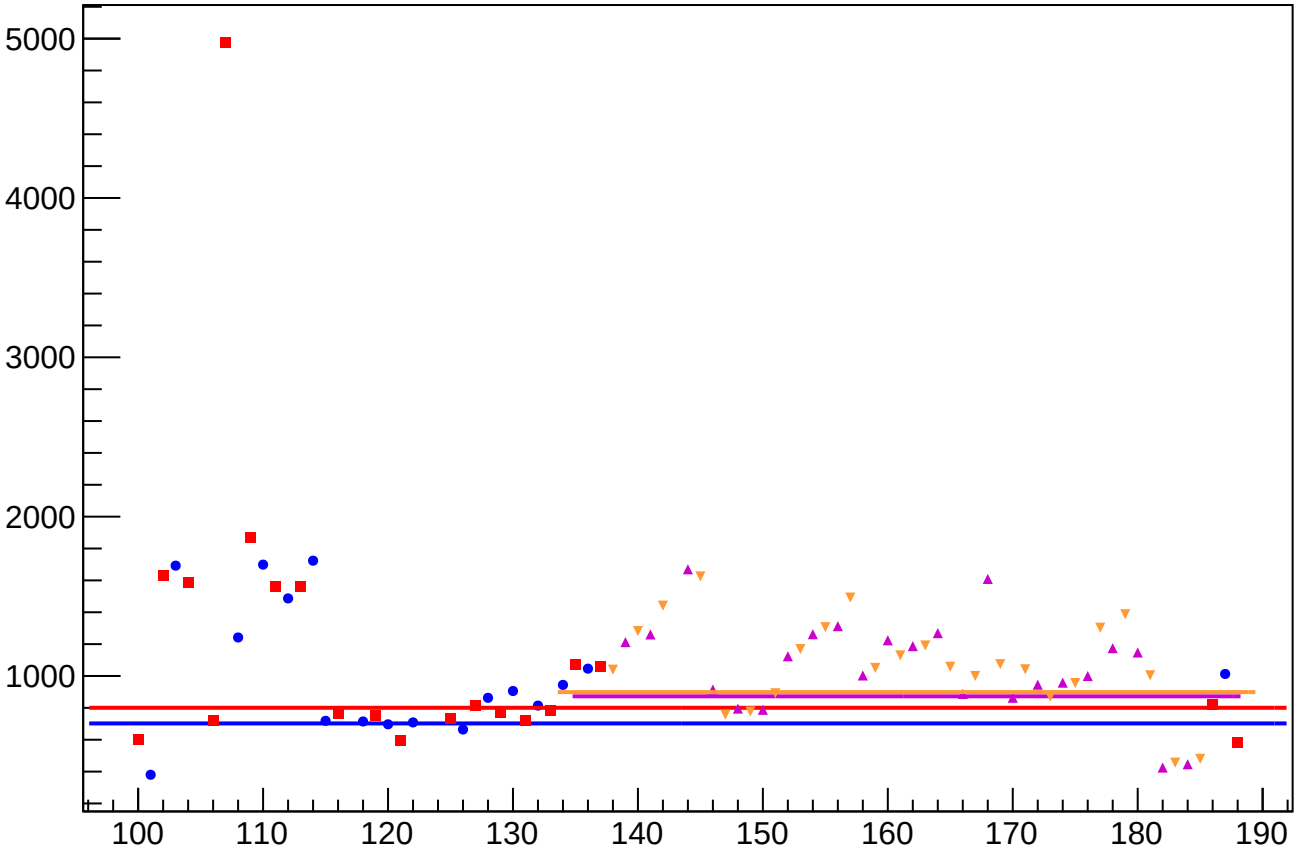
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -273.129+/-174.902 χ^2/NDF: 52.8/40

All: -19.101+/-123.882 χ^2/NDF: 95.9/83

- sign 236.645+/-175.492 χ^2/NDF: 38.9/42

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 702.210+/-0.201 χ^2/NDF: 2471640.8/16

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 800.498+/-0.208 χ^2/NDF: 2158148.8/19

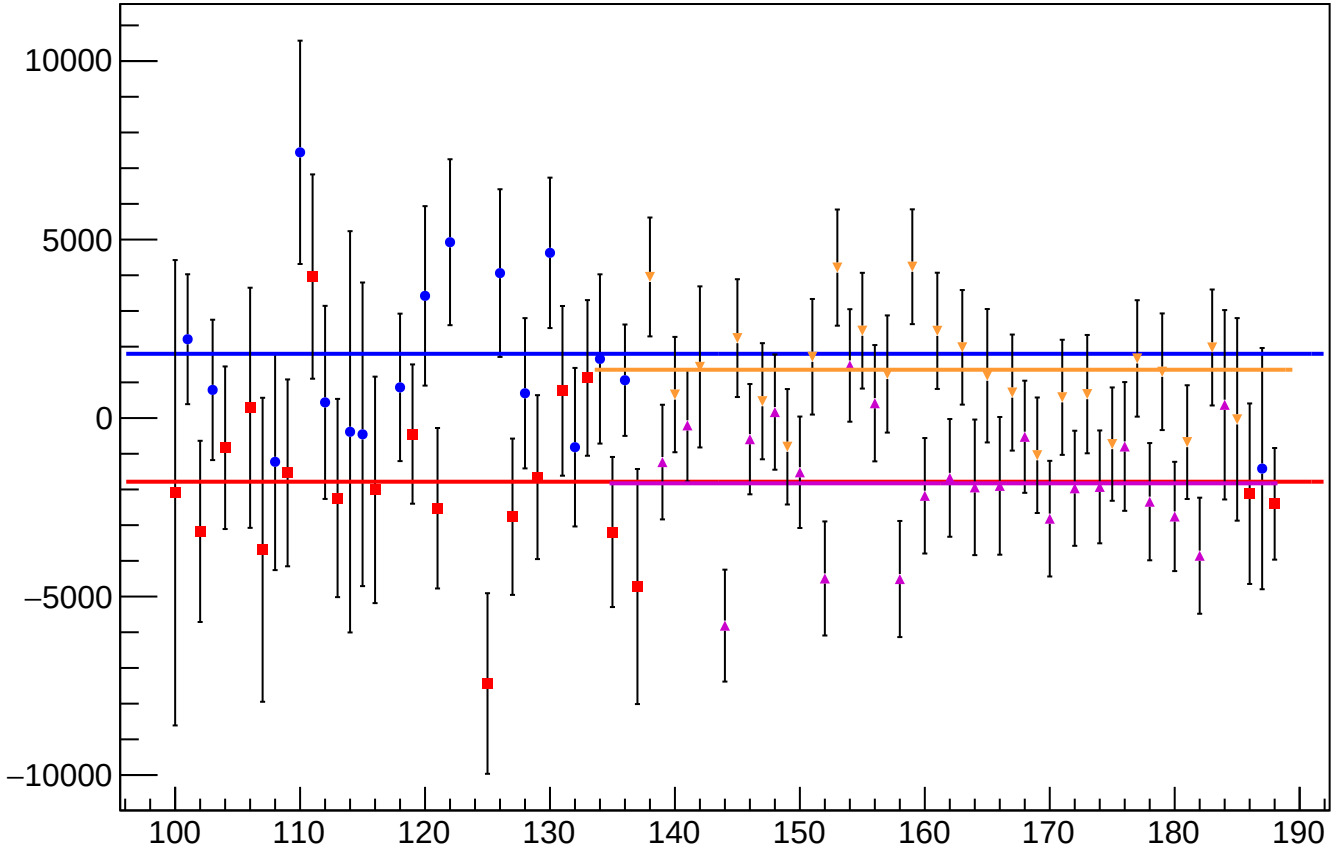
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 824.498+/-0.124 χ^2/NDF: 6857617.8/40

All: 835.679+/-0.088 χ^2/NDF: 13544695.4/83

- sign 846.936+/-0.124 χ^2/NDF: 6670674.0/42

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1800.195+/-569.372 χ^2/NDF: 13.2/16

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1782.906+/-550.559 χ^2/NDF: 15.3/19

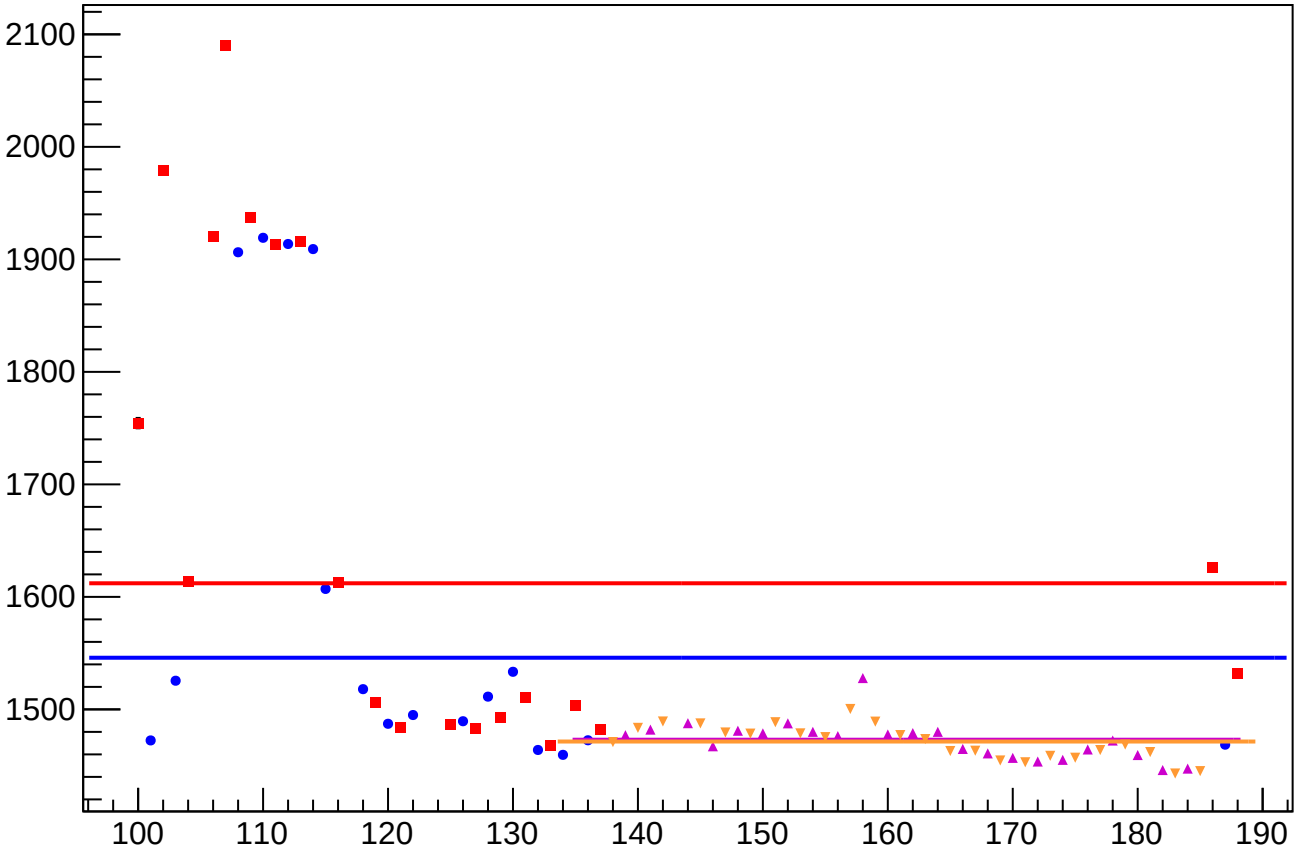
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1471.851+/-292.906 χ^2/NDF: 32.6/40

All: -178.581+/-206.690 χ^2/NDF: 136.9/83

- sign -1815.521+/-291.706 χ^2/NDF: 41.1/42

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1545.916+/-0.403 χ^2/NDF: 120981.9/16

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

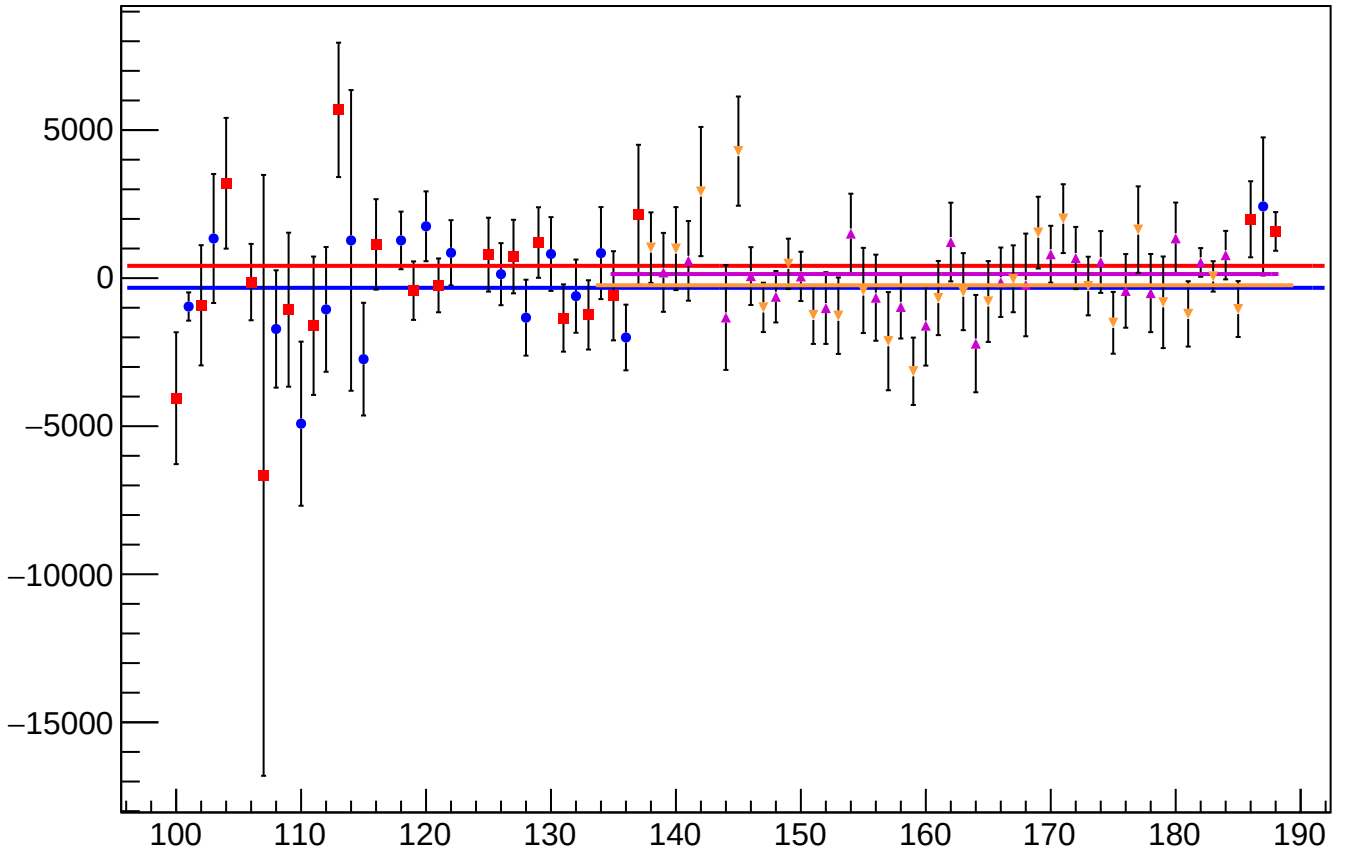
Right Out: 1612.094+/-0.389 χ^2/NDF: 217595.5/19

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1491.147+/-0.207 χ^2/NDF: 149584.0/40

All: 1501.658+/-0.146 χ^2/NDF: 468815.8/83

- sign 1512.082+/-0.206 χ^2/NDF: 314102.3/42



Right In: -327.175+/-284.436 χ^2/NDF: 20.3/16

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 415.266+/-294.624 χ^2/NDF: 25.3/19

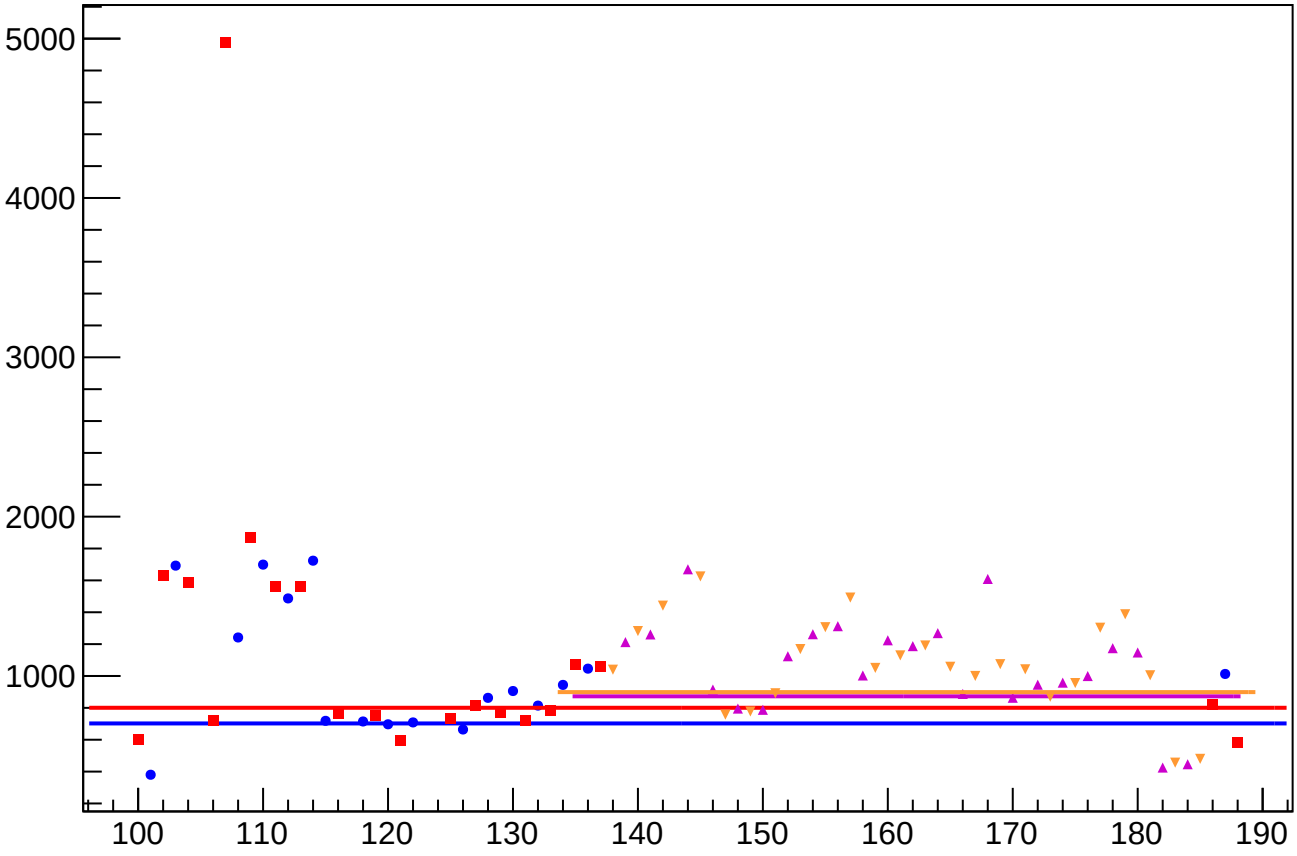
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -273.129+/-174.902 χ^2/NDF: 52.8/40

All: -19.101+/-123.882 χ^2/NDF: 95.9/83

- sign 236.645+/-175.492 χ^2/NDF: 38.9/42

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 702.210+/-0.201 χ^2/NDF: 2471633.7/16

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 800.497+/-0.208 χ^2/NDF: 2158156.1/19

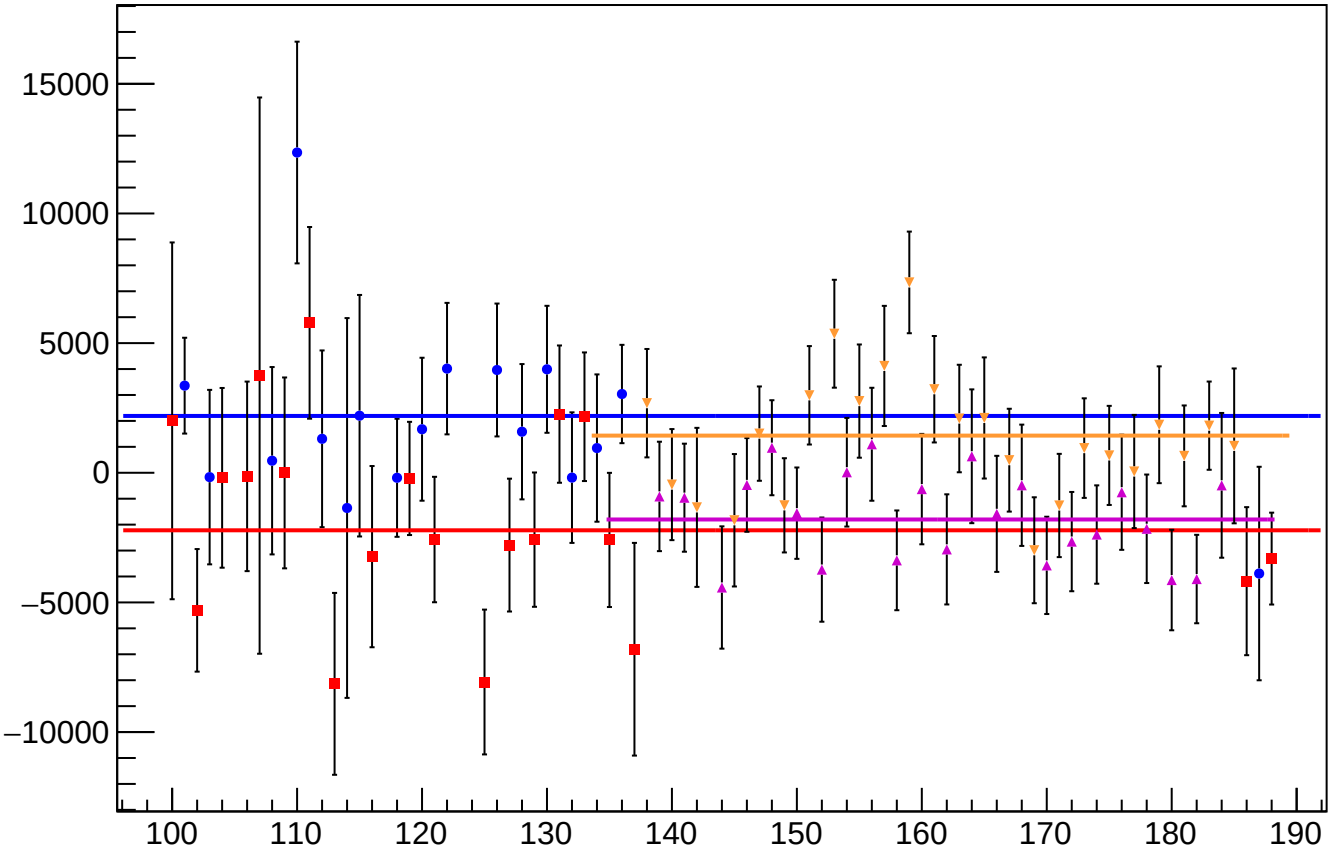
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 824.498+/-0.124 χ^2/NDF: 6857623.9/40

All: 835.679+/-0.088 χ^2/NDF: 13544720.5/83

- sign 846.936+/-0.124 χ^2/NDF: 6670693.4/42

asym_usl_atl1_avg_mean vs Slug



Right In: 2191.700+/-669.895 χ^2/NDF: 13.3/16

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -2218.742+/-639.795 χ^2/NDF: 24.5/19

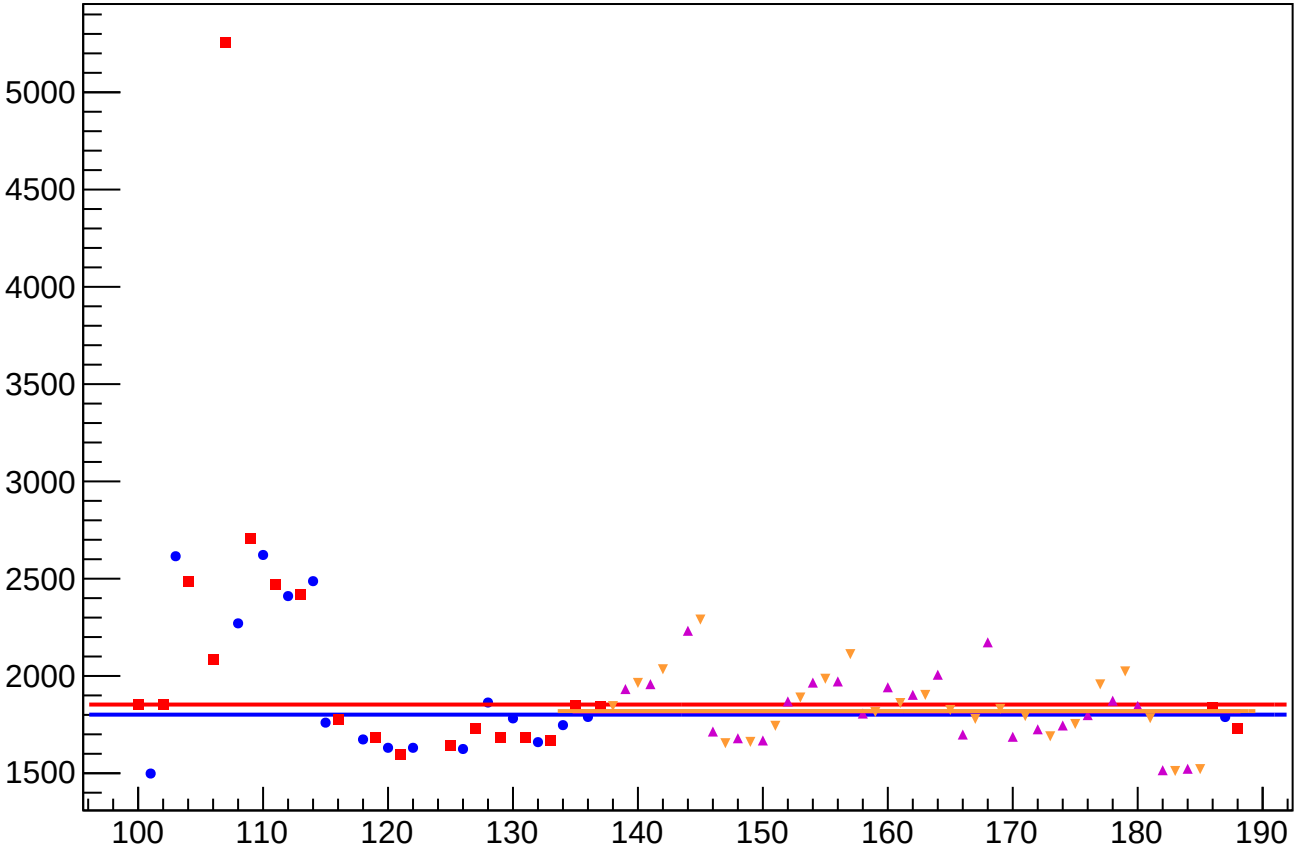
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1650.570+/-358.548 χ^2/NDF: 43.6/40

All: -158.135+/-252.220 χ^2/NDF: 134.0/83

- sign -1929.892+/-354.867 χ^2/NDF: 40.1/42

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.197+/-0.474 χ^2/NDF: 400720.6/16

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

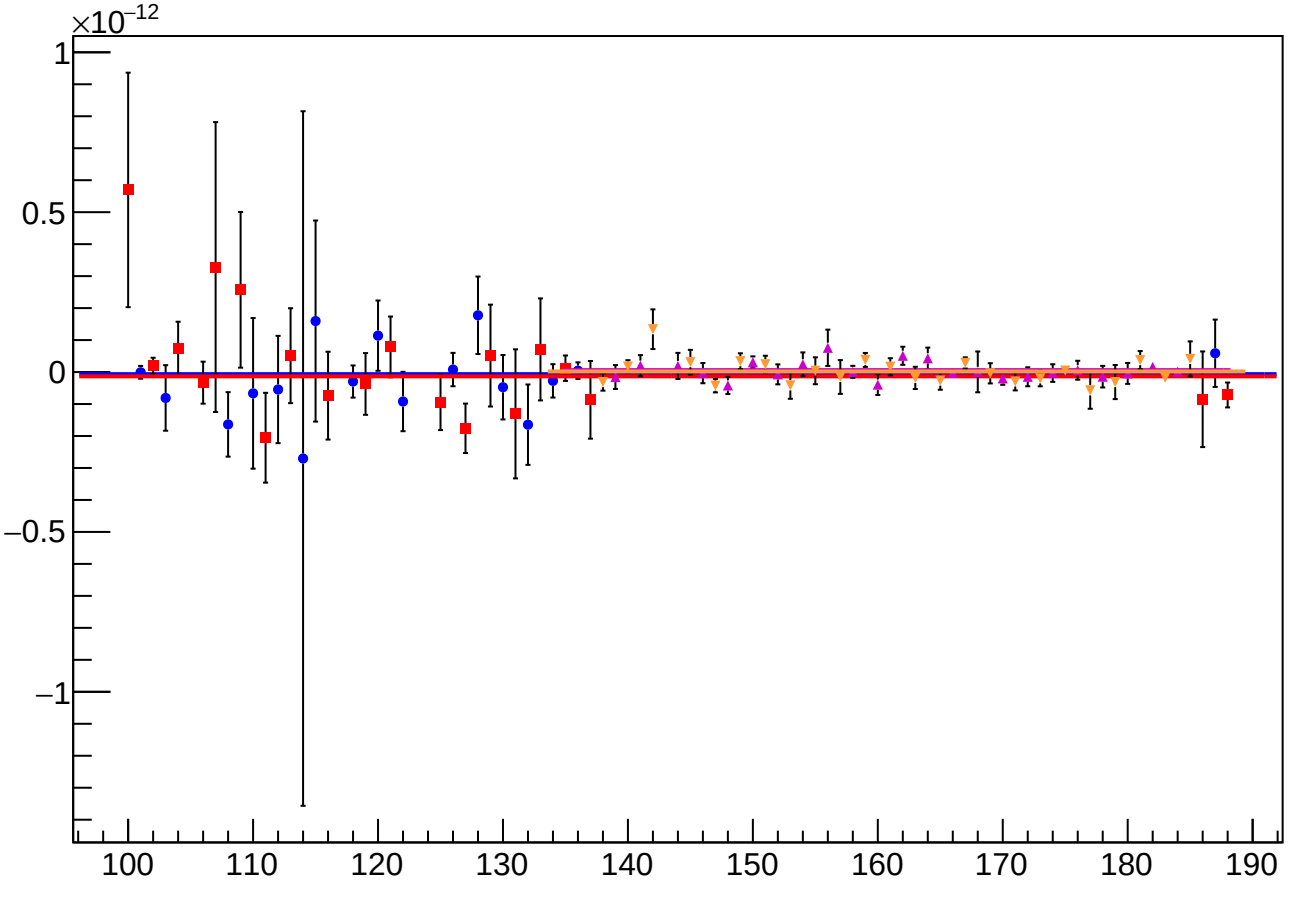
Right Out: 1853.065+/-0.452 χ^2/NDF: 581647.2/19

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1814.198+/-0.254 χ^2/NDF: 696791.4/40

All: 1821.268+/-0.178 χ^2/NDF: 1591446.5/83

- sign 1828.193+/-0.251 χ^2/NDF: 893115.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 10.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

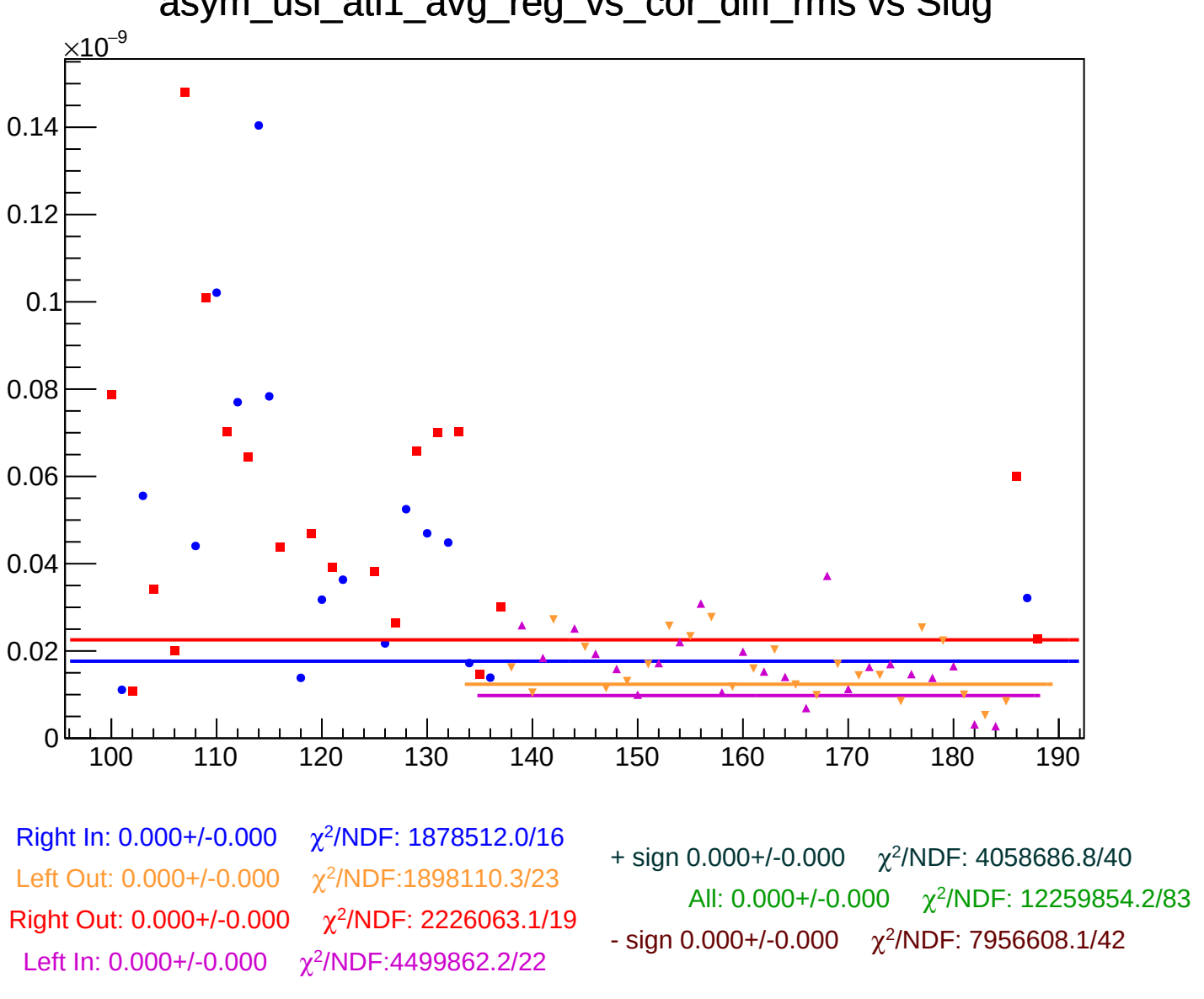
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/19

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

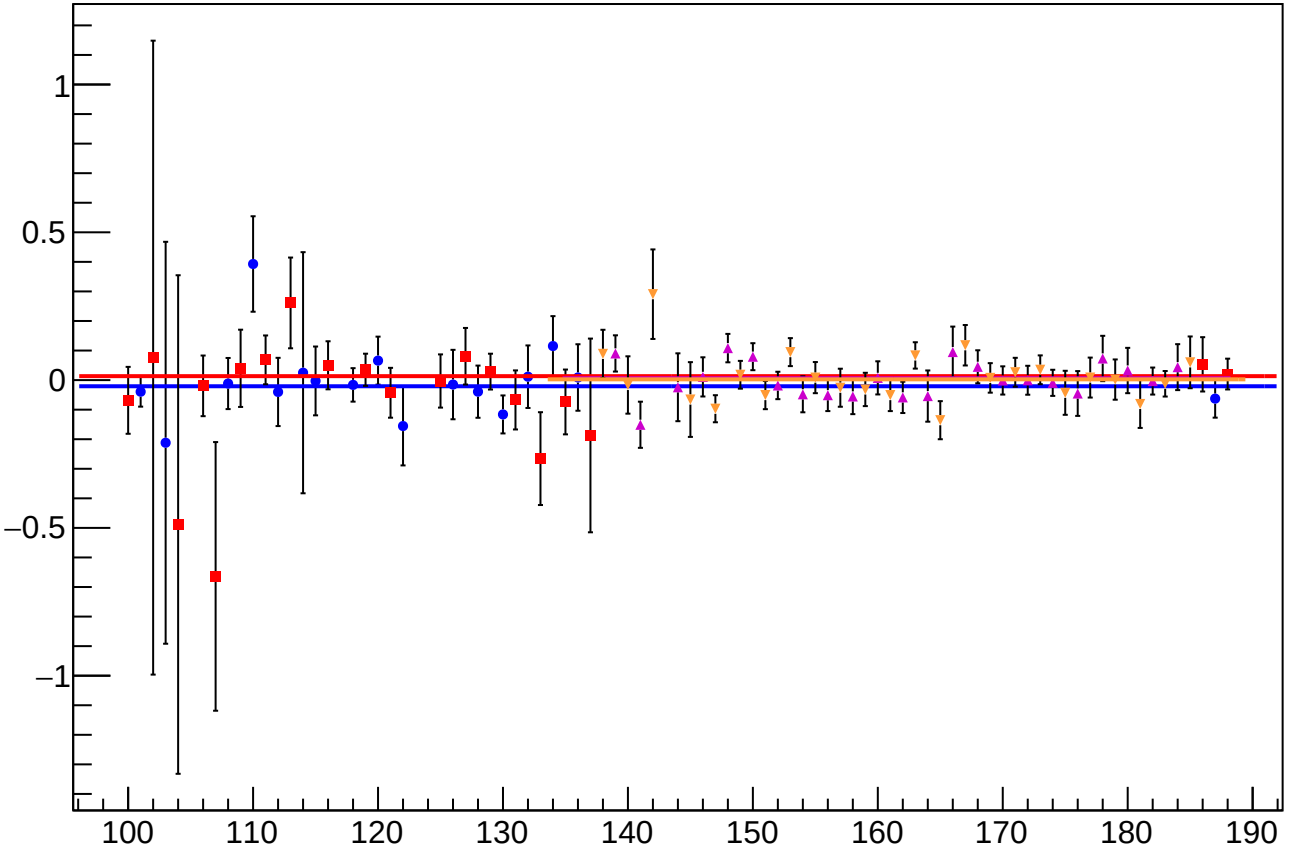
+ sign 0.000+/-0.000 χ^2/NDF: 40.3/40

All: 0.000+/-0.000 χ^2/NDF: 79.7/83

- sign 0.000+/-0.000 χ^2/NDF: 39.0/42


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1878512.0/16
Left Out: 0.000+/-0.000 χ²/NDF:1898110.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2226063.1/19
Left In: 0.000+/-0.000 χ²/NDF:4499862.2/22
+ sign 0.000+/-0.000 χ²/NDF: 4058686.8/40
All: 0.000+/-0.000 χ²/NDF: 12259854.2/83
- sign 0.000+/-0.000 χ²/NDF: 7956608.1/42

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.013+/-0.021 χ^2/NDF: 12.7/19

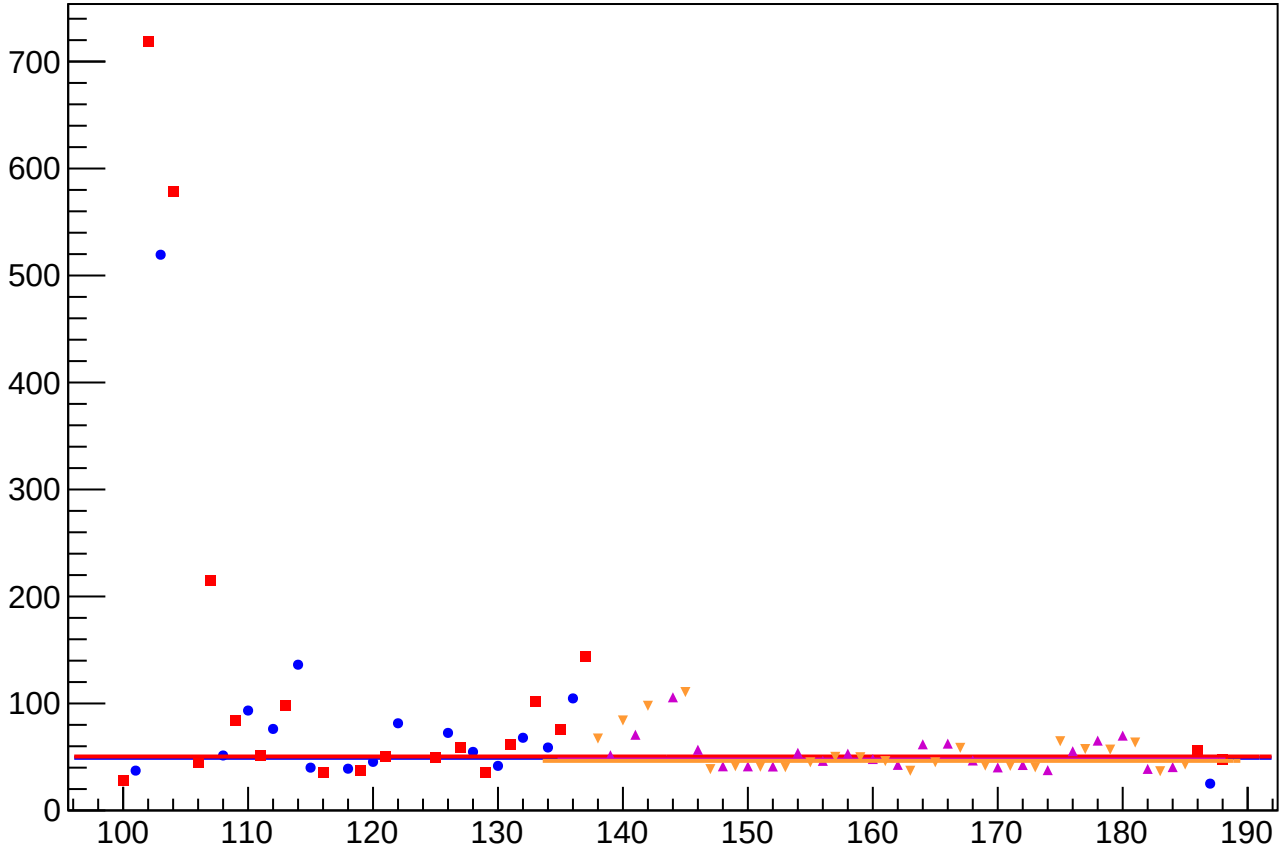
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.003+/-0.010 χ^2/NDF: 44.5/40

All: 0.002+/-0.007 χ^2/NDF: 79.4/83

- sign 0.008+/-0.010 χ^2/NDF: 34.4/42

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 49.202+/-0.015 χ^2/NDF: 2583164.8/16

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

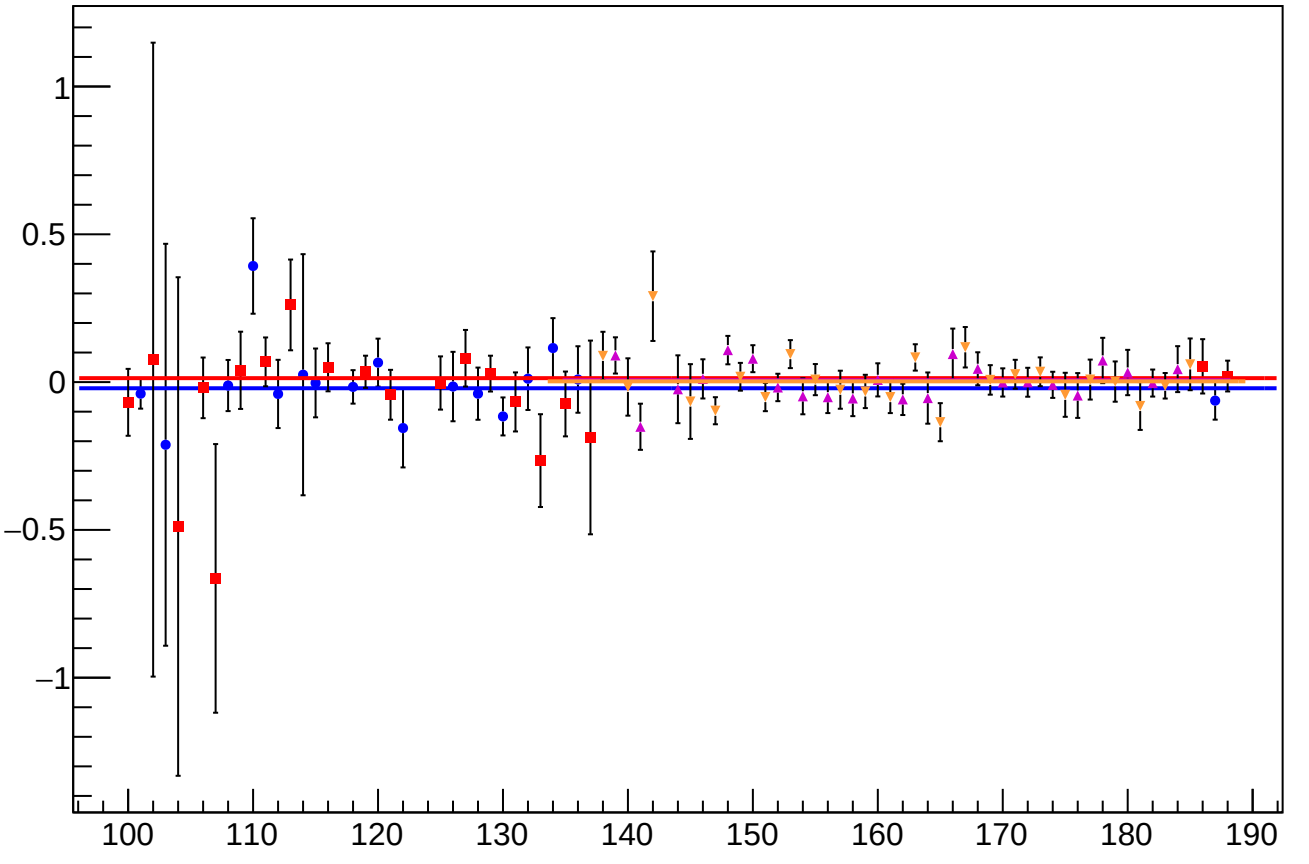
Right Out: 50.422+/-0.015 χ^2/NDF: 3062721.9/19

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.028+/-0.007 χ^2/NDF: 4578068.1/40

All: 47.653+/-0.005 χ^2/NDF: 9259330.7/83

- sign 48.291+/-0.007 χ^2/NDF: 4666627.3/42



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

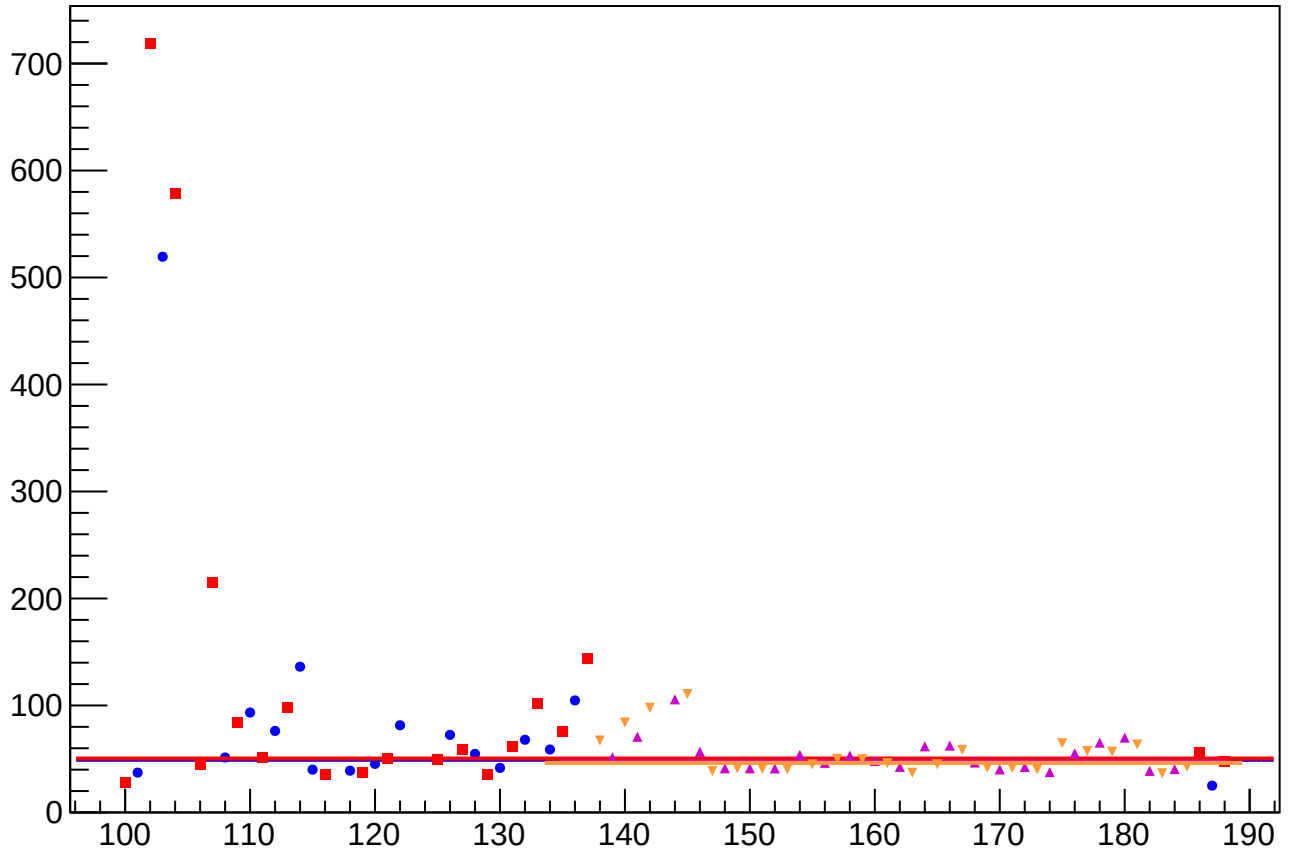
Right Out: 0.013+/-0.021 χ^2/NDF: 12.7/19

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.003+/-0.010 χ^2/NDF: 44.5/40

All: 0.002+/-0.007 χ^2/NDF: 79.4/83

\- sign 0.008+/-0.010 χ^2/NDF: 34.4/42



Right In: 49.202+/-0.015 χ^2/NDF: 2583164.8/16

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

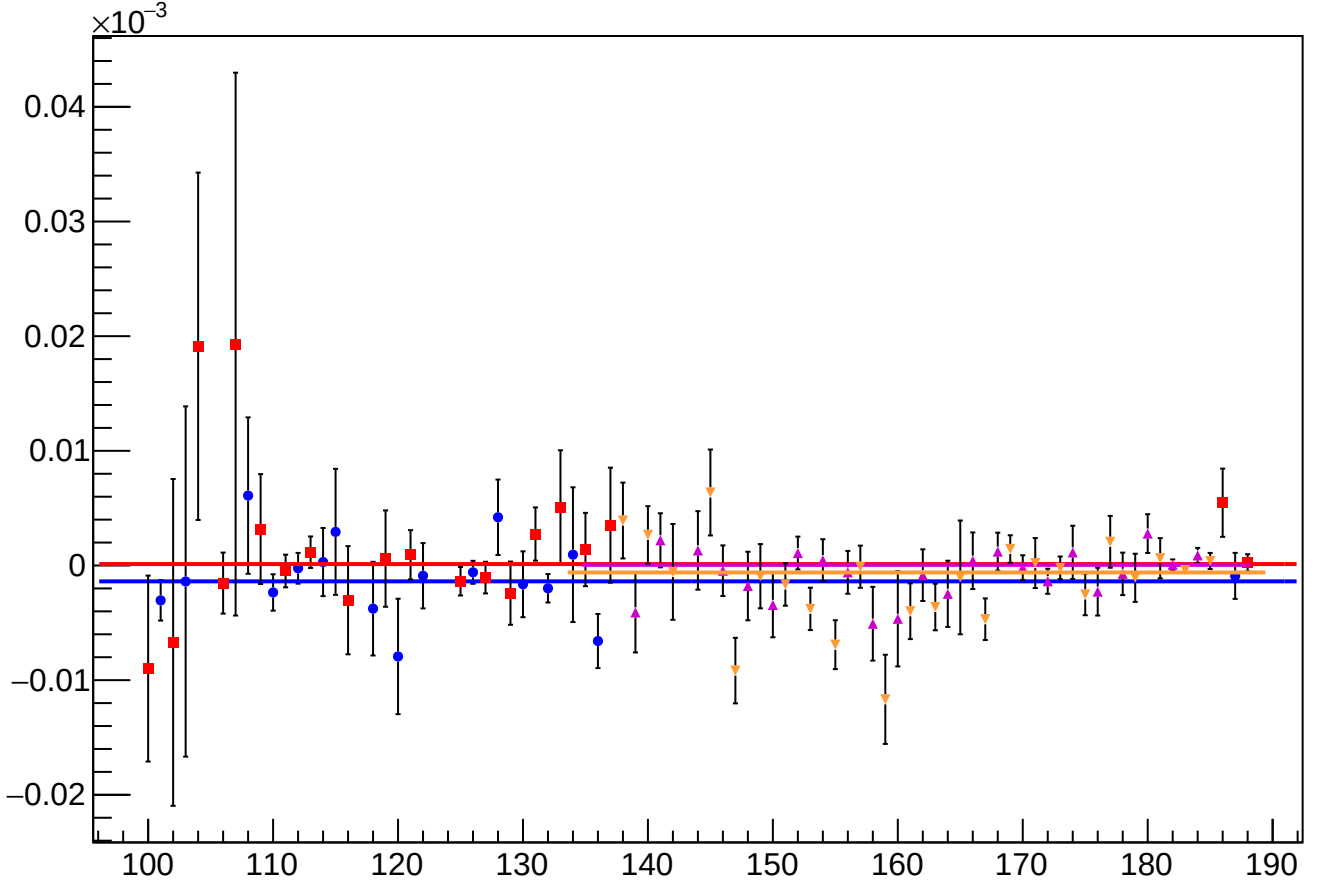
Right Out: 50.422+/-0.015 χ^2/NDF: 3062721.9/19

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.028+/-0.007 χ^2/NDF: 4578068.1/40

All: 47.653+/-0.005 χ^2/NDF: 9259330.7/83

- sign 48.291+/-0.007 χ^2/NDF: 4666627.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/19

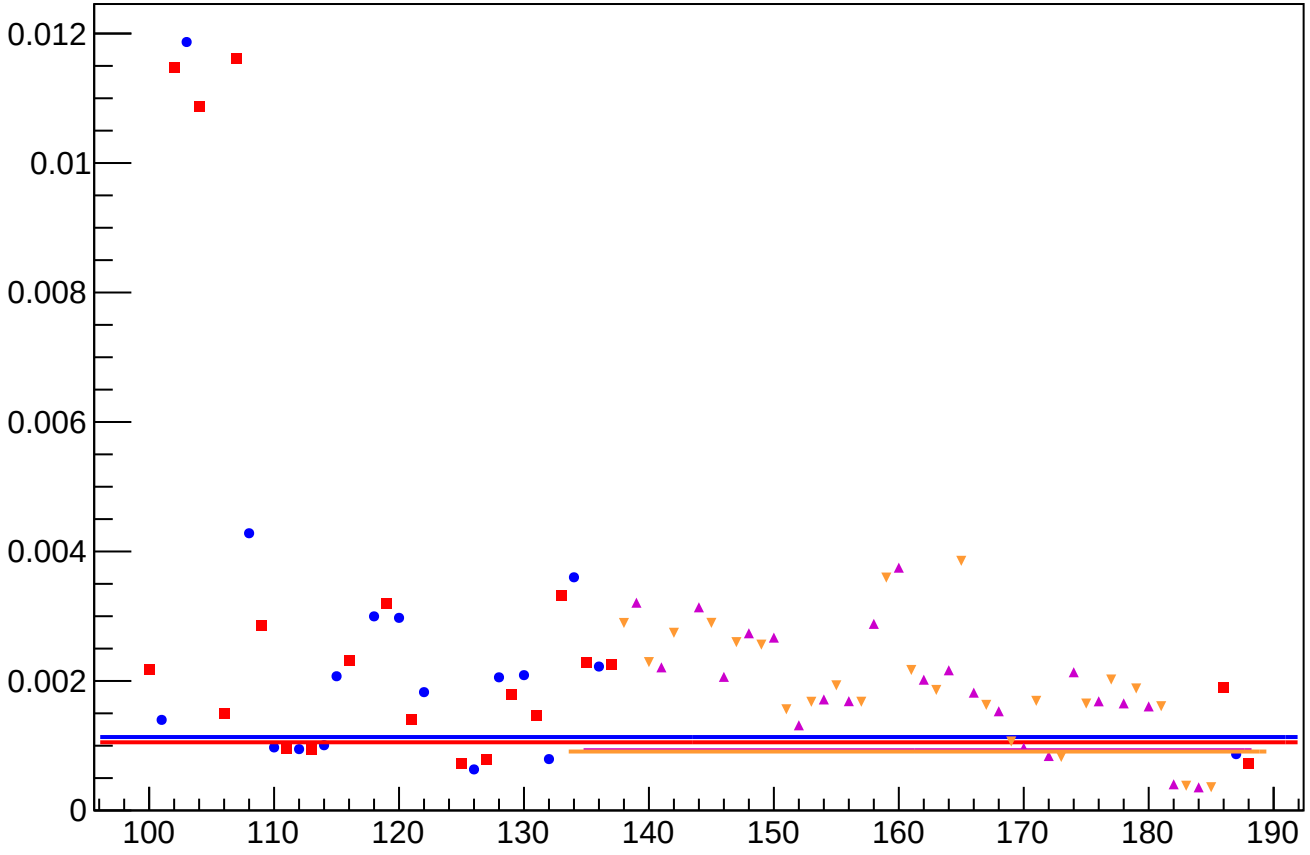
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.8/40

All: -0.000+/-0.000 χ^2/NDF: 110.3/83

- sign 0.000+/-0.000 χ^2/NDF: 33.0/42

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4224907.7/16

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

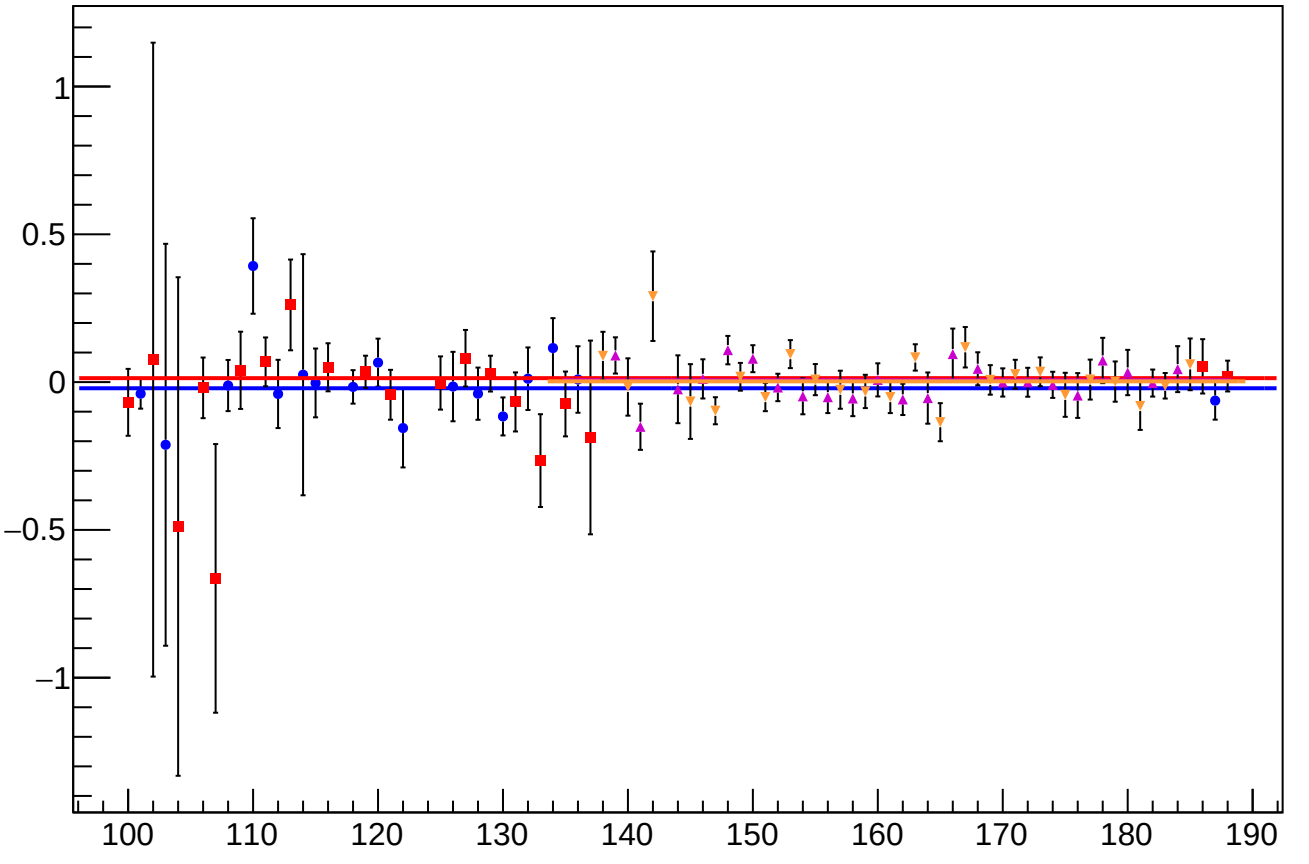
Right Out: 0.001+/-0.000 χ^2/NDF: 5224944.7/19

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 18667714.8/40

All: 0.001+/-0.000 χ^2/NDF: 37692854.4/83

- sign 0.001+/-0.000 χ^2/NDF: 19024955.8/42



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.013+/-0.021 χ^2/NDF: 12.7/19

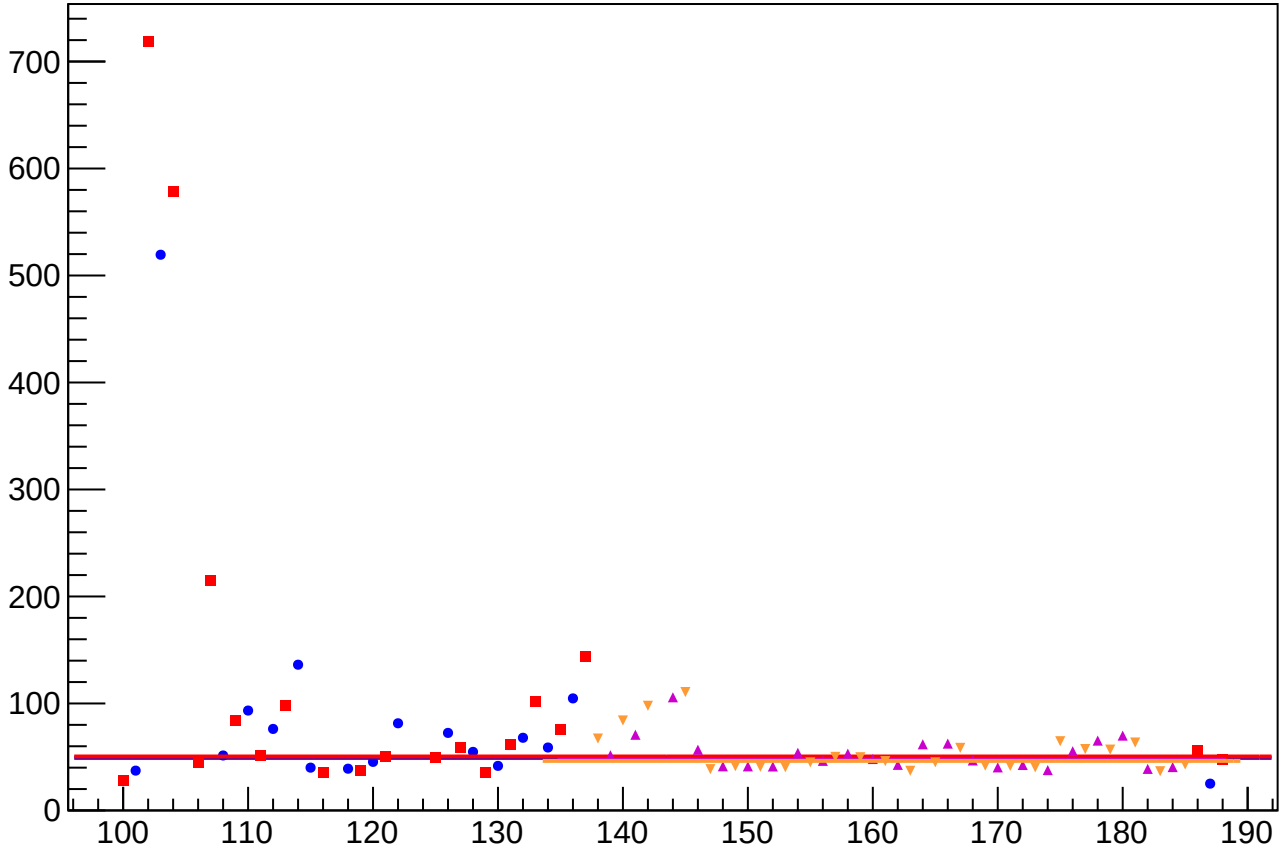
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.003+/-0.010 χ^2/NDF: 44.5/40

All: 0.002+/-0.007 χ^2/NDF: 79.4/83

- sign 0.008+/-0.010 χ^2/NDF: 34.4/42

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.202+/-0.015 χ^2/NDF: 2583149.6/16

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

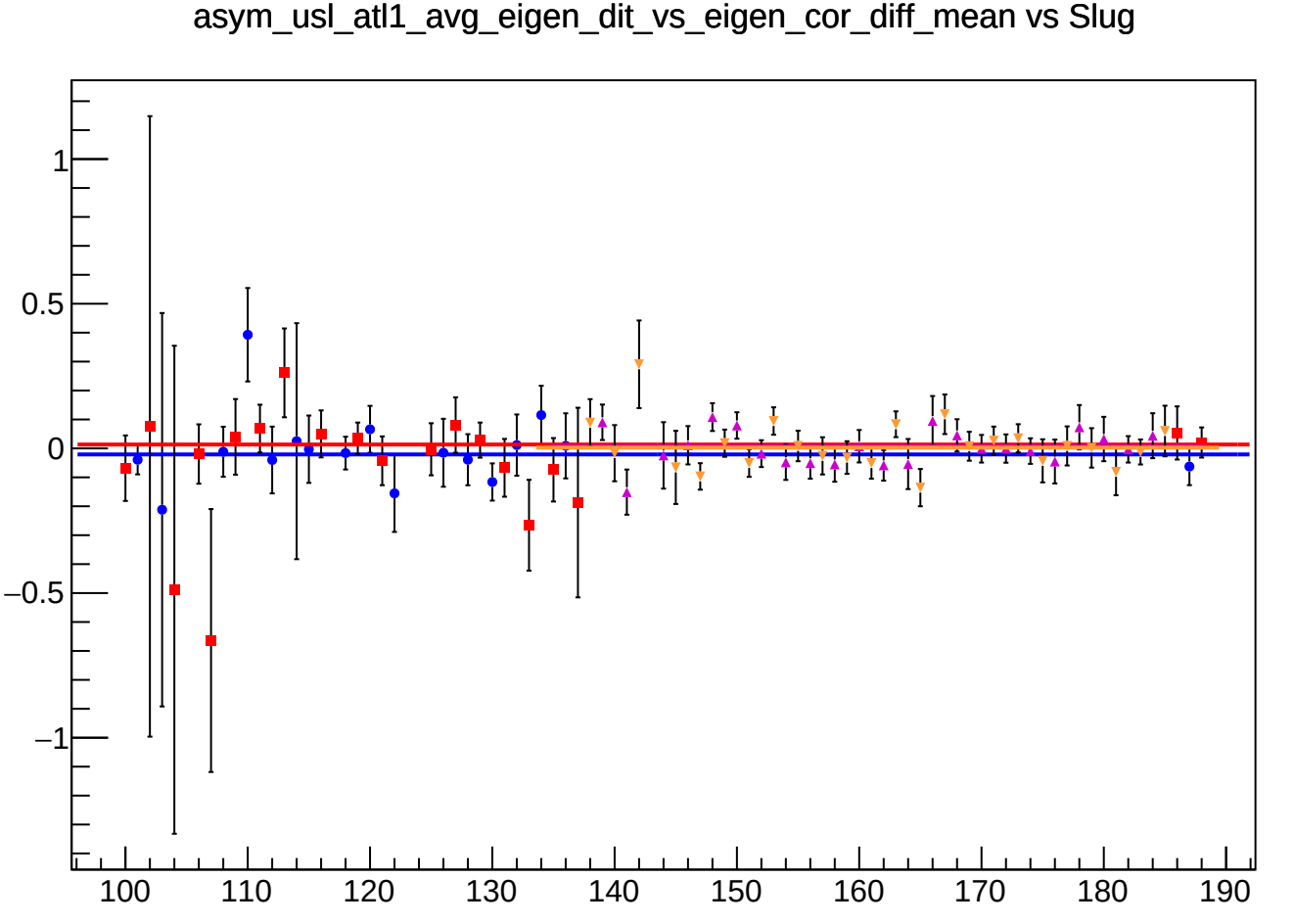
Right Out: 50.422+/-0.015 χ^2/NDF: 3062705.1/19

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.028+/-0.007 χ^2/NDF: 4578036.6/40

All: 47.653+/-0.005 χ^2/NDF: 9259283.2/83

- sign 48.291+/-0.007 χ^2/NDF: 4666613.8/42



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

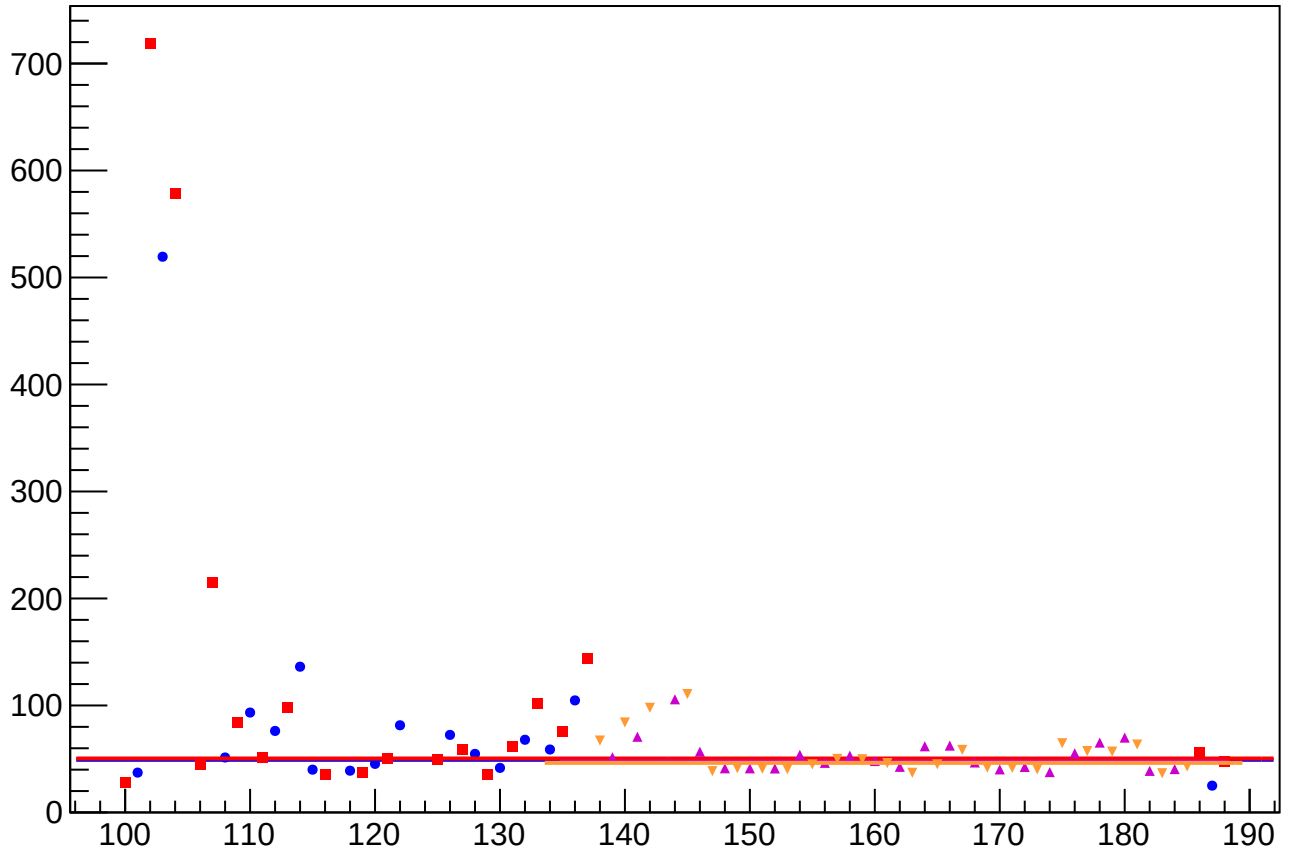
Right Out: 0.013+/-0.021 χ^2/NDF: 12.7/19

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.003+/-0.010 χ^2/NDF: 44.5/40

All: 0.002+/-0.007 χ^2/NDF: 79.4/83

- sign 0.008+/-0.010 χ^2/NDF: 34.4/42



Right In: 49.202+/-0.015 χ^2/NDF: 2583149.6/16

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 50.422+/-0.015 χ^2/NDF: 3062705.1/19

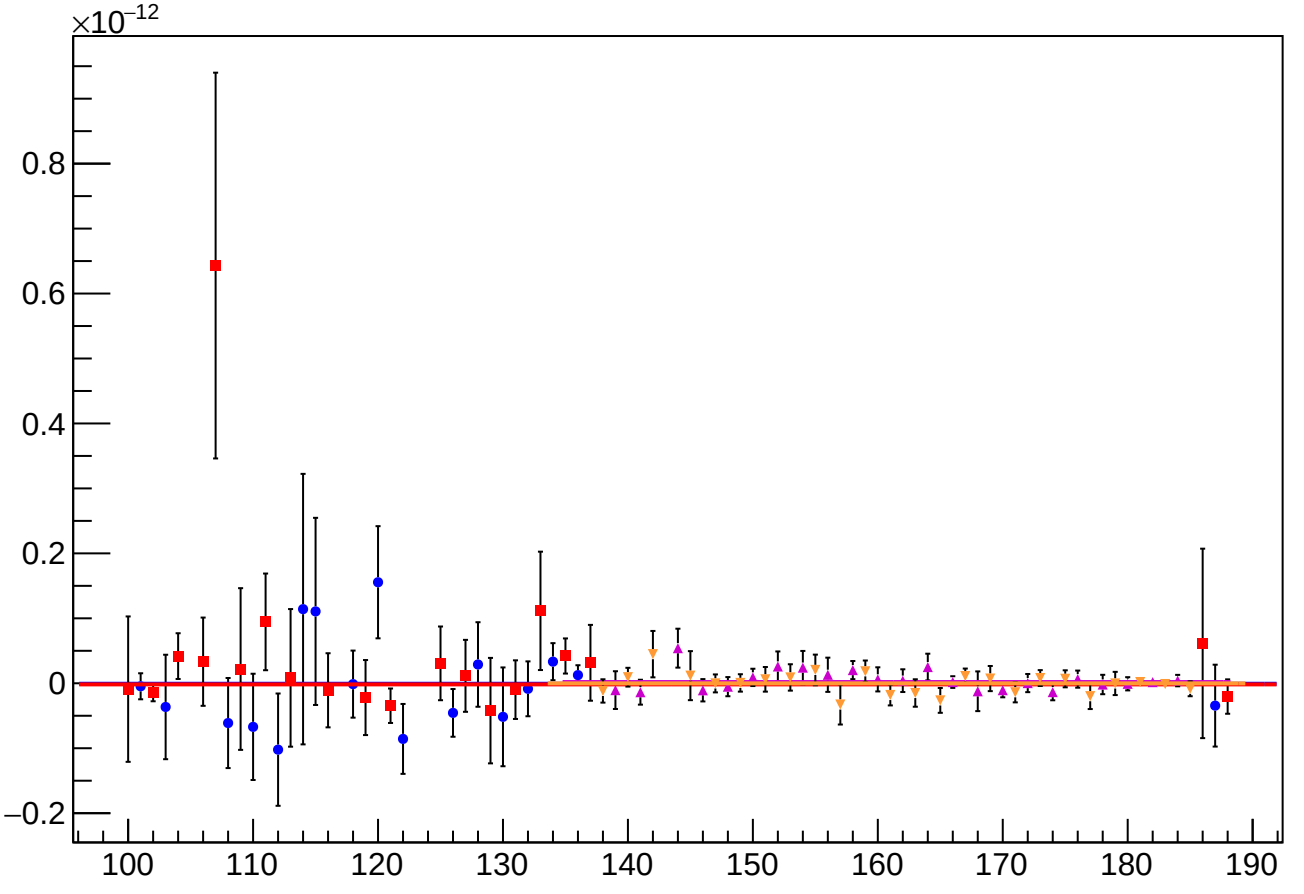
Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.028+/-0.007 χ^2/NDF: 4578036.6/40

All: 47.653+/-0.005 χ^2/NDF: 9259283.2/83

- sign 48.291+/-0.007 χ^2/NDF: 4666613.8/42

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

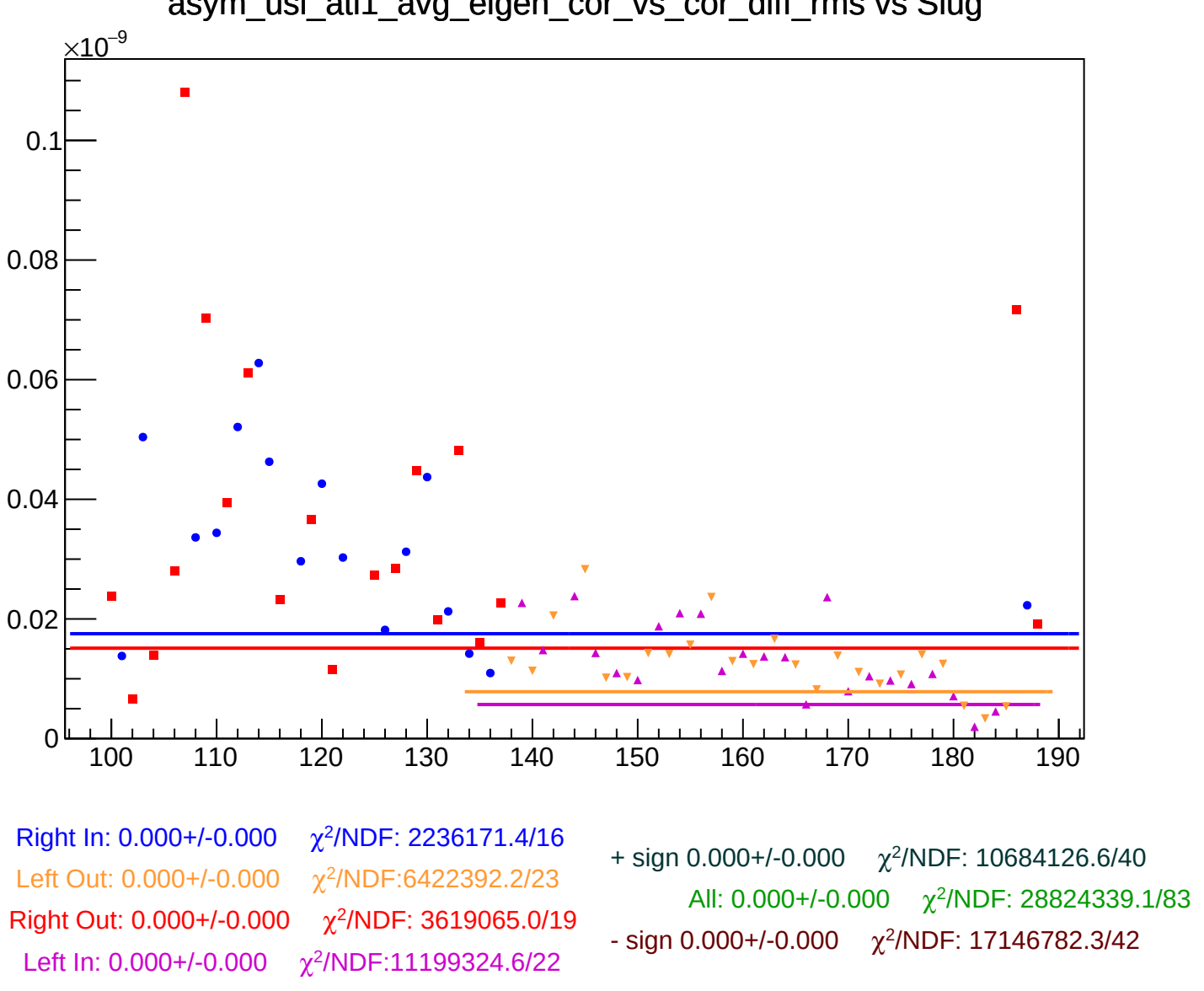
Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/19

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

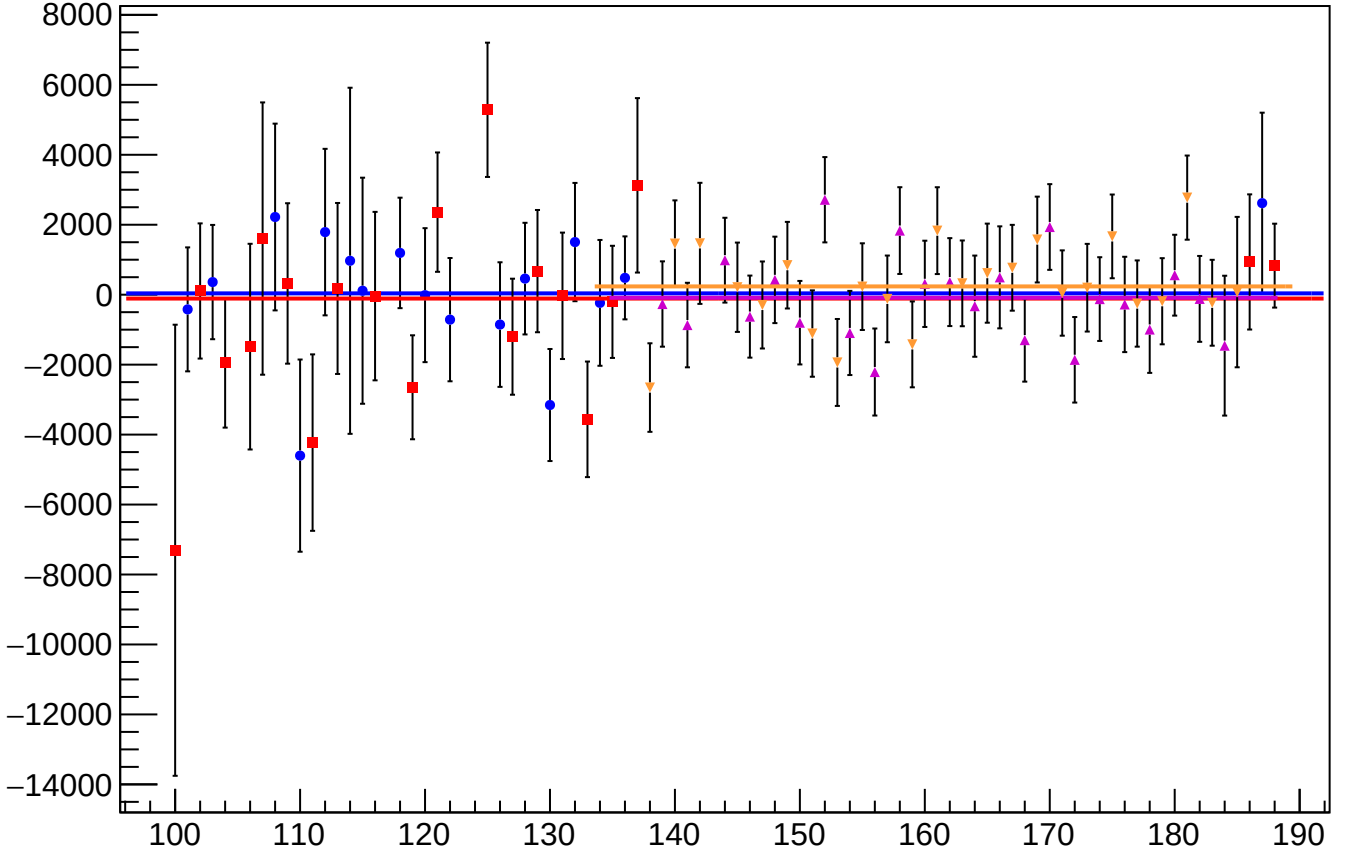
+ sign -0.000+/-0.000 χ^2/NDF: 28.2/40

All: 0.000+/-0.000 χ^2/NDF: 58.8/83

- sign 0.000+/-0.000 χ^2/NDF: 30.3/42


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2236171.4/16
Left Out: 0.000+/-0.000 χ²/NDF:6422392.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 3619065.0/19
Left In: 0.000+/-0.000 χ²/NDF:11199324.6/22
+ sign 0.000+/-0.000 χ²/NDF: 10684126.6/40
All: 0.000+/-0.000 χ²/NDF: 28824339.1/83
- sign 0.000+/-0.000 χ²/NDF: 17146782.3/42

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 37.690+/-452.147 χ^2/NDF: 11.1/16

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -110.486+/-430.481 χ^2/NDF: 25.9/19

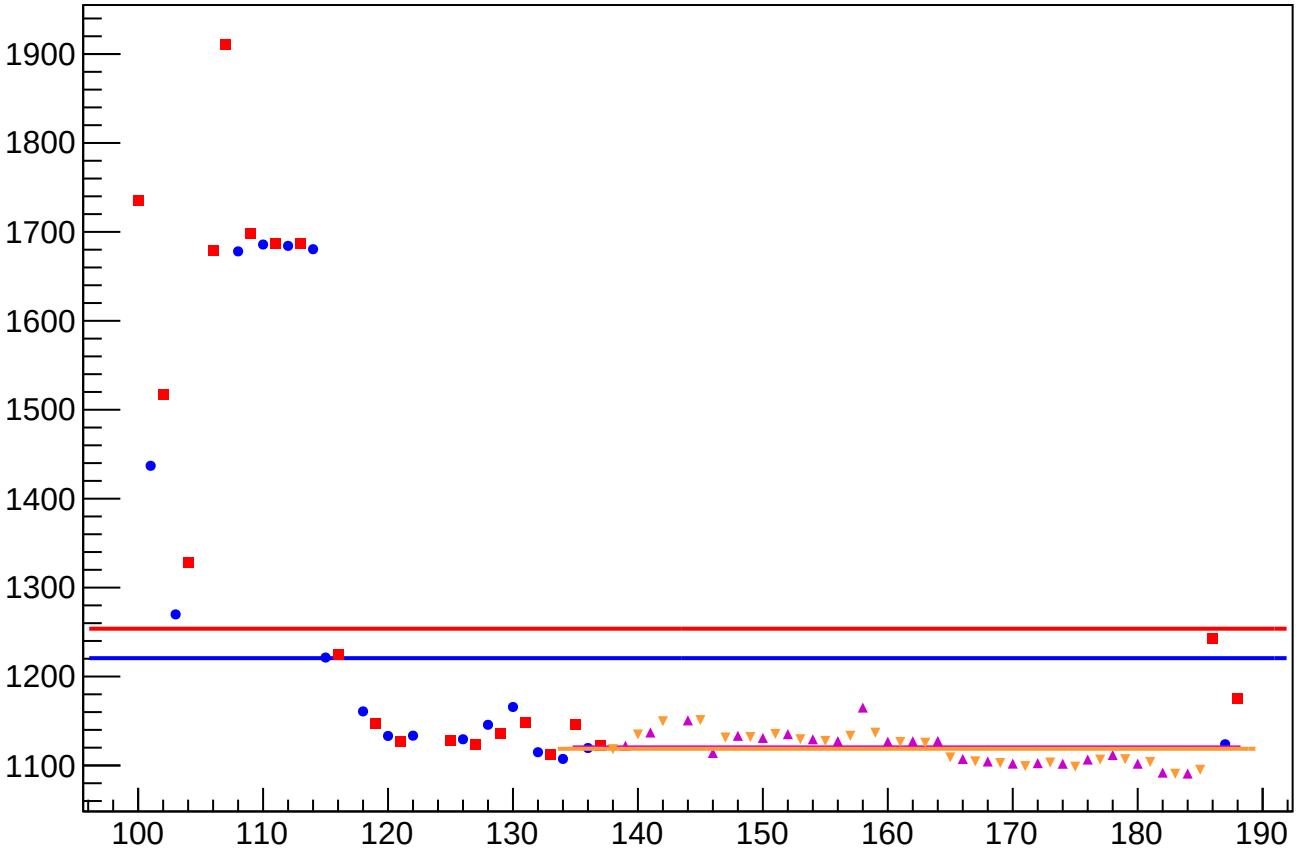
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 187.267+/-225.176 χ^2/NDF: 34.0/40

All: 45.448+/-158.649 χ^2/NDF: 81.6/83

- sign -94.342+/-223.559 χ^2/NDF: 46.8/42

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1220.652+/-0.320 χ^2/NDF: 297857.3/16

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1253.789+/-0.304 χ^2/NDF: 443012.8/19

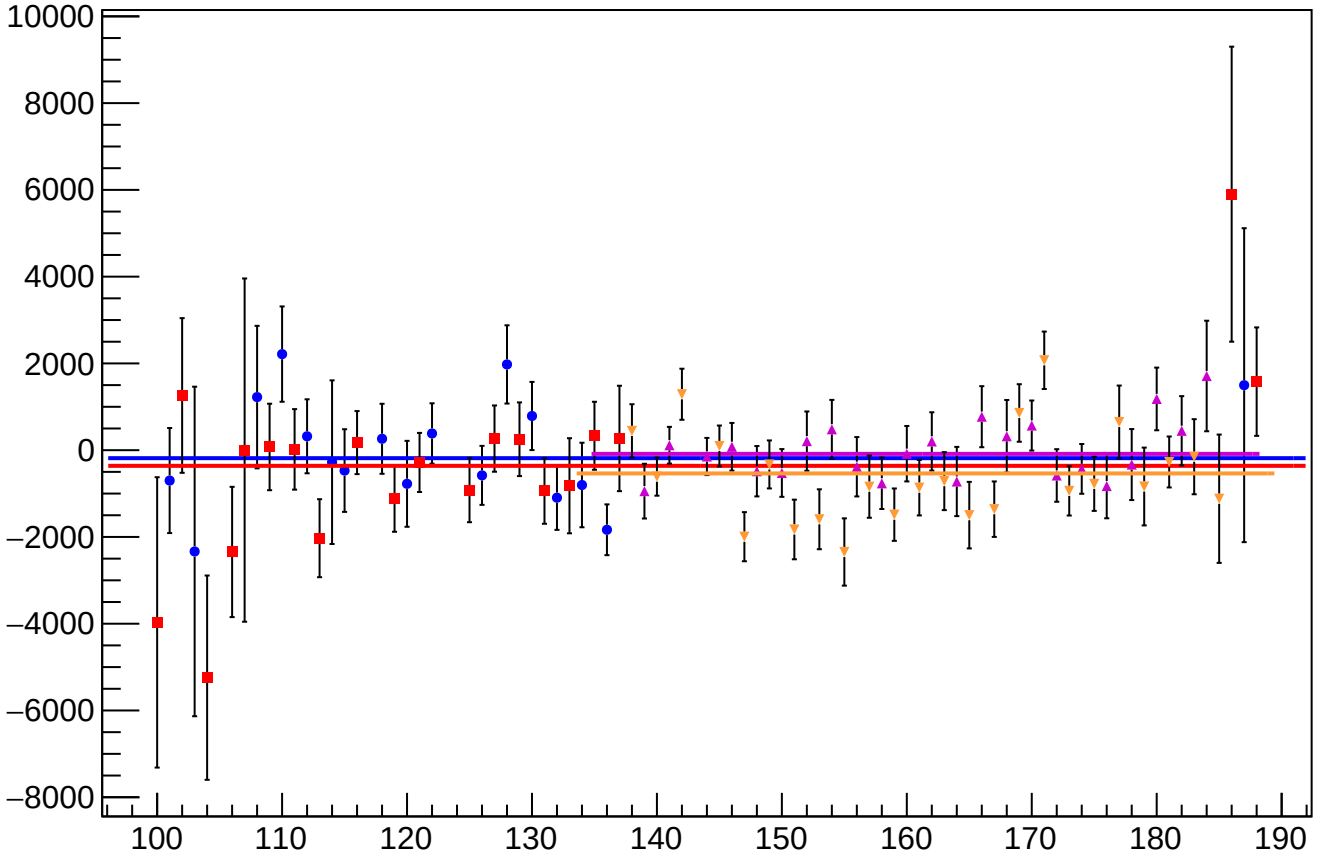
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.011+/-0.159 χ^2/NDF: 382478.6/40

All: 1150.204+/-0.112 χ^2/NDF: 978404.8/83

- sign 1156.308+/-0.158 χ^2/NDF: 592922.6/42

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -184.251+/-222.447 χ^2/NDF: 25.5/16

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -360.960+/-219.269 χ^2/NDF: 22.8/19

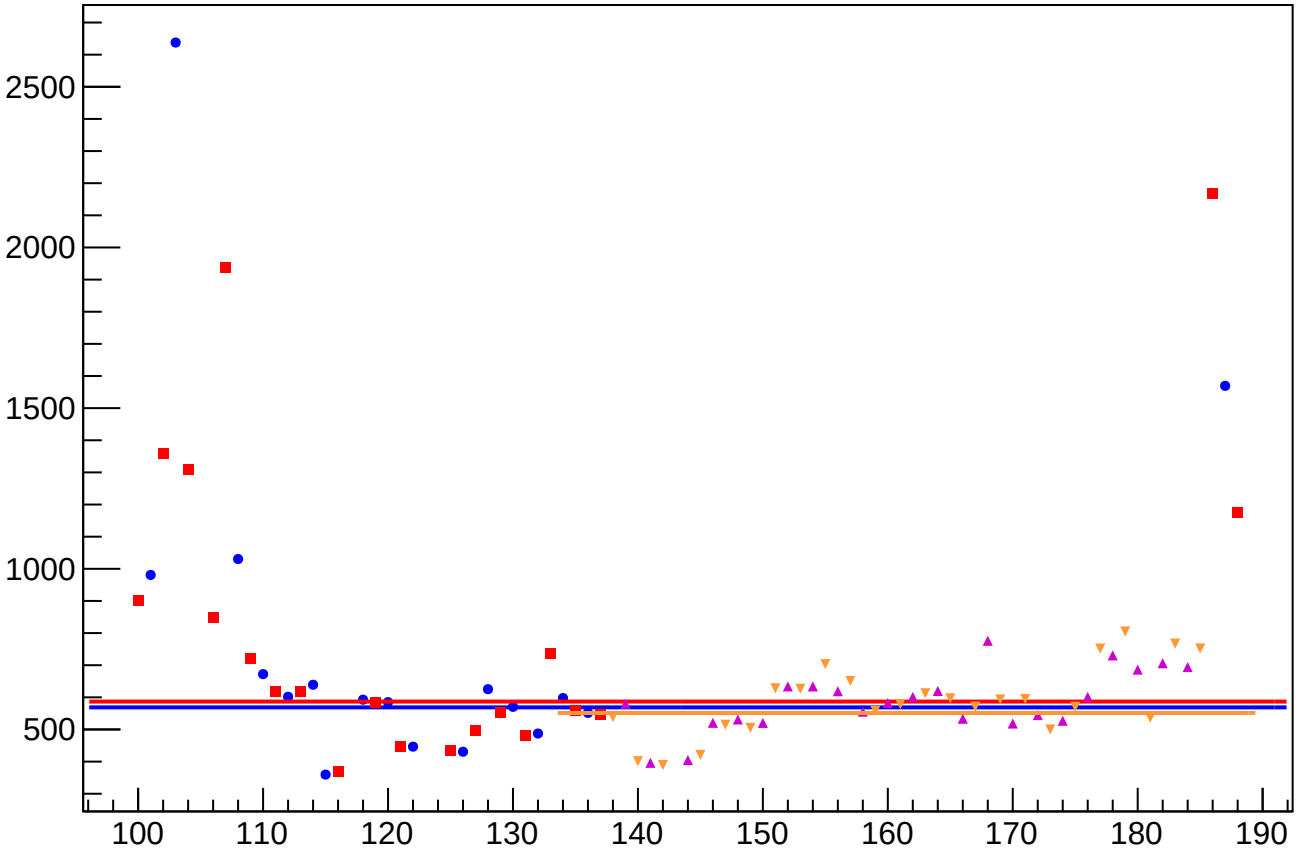
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

\+ sign -445.712+/-112.654 χ^2/NDF: 88.9/40

All: -301.453+/-79.581 χ^2/NDF: 133.2/83

\- sign -157.749+/-112.437 χ^2/NDF: 41.1/42

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 568.755+/-0.157 χ^2/NDF: 1438035.4/16

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 586.817+/-0.155 χ^2/NDF: 2254250.1/19

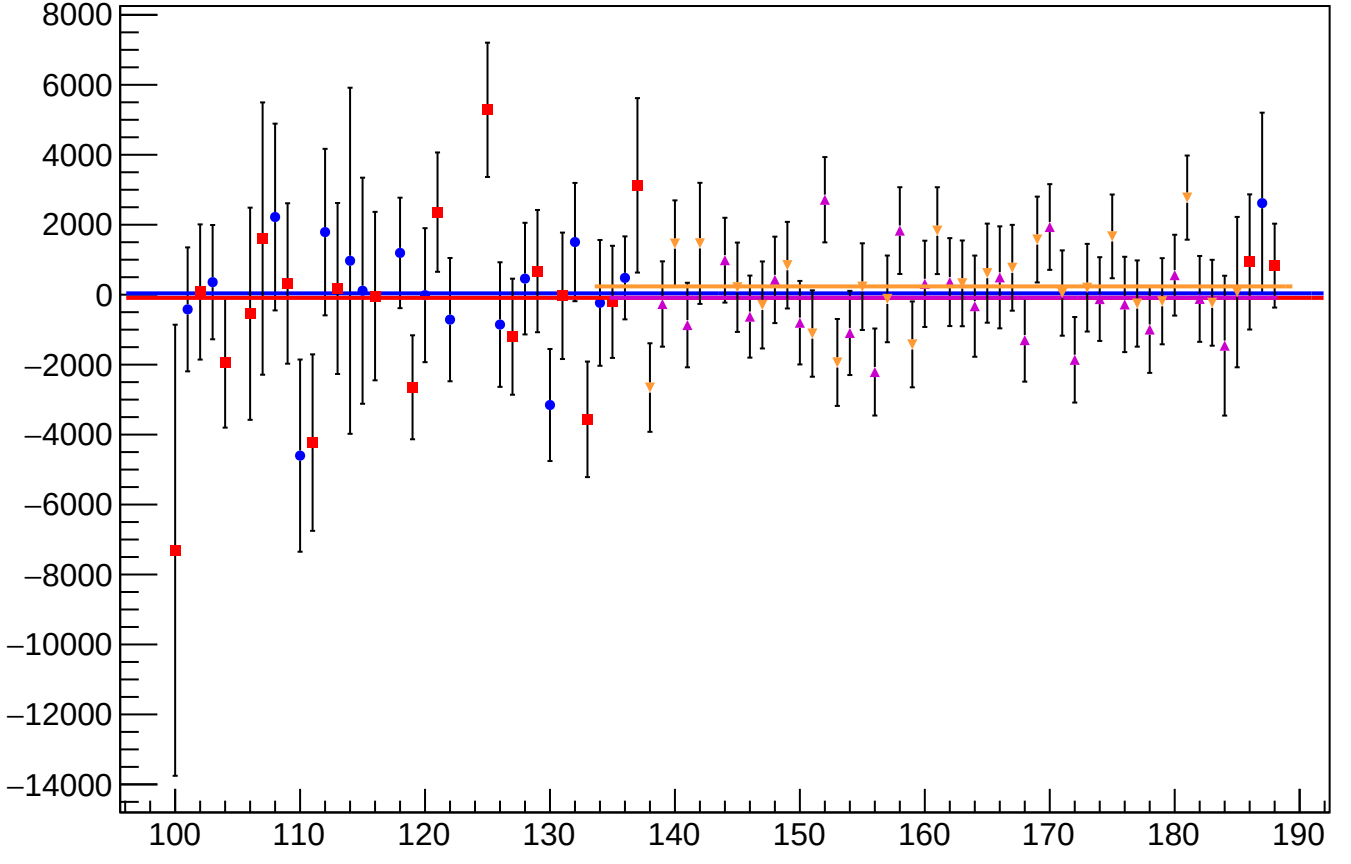
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 555.881+/-0.080 χ^2/NDF: 2673662.2/40

All: 558.278+/-0.056 χ^2/NDF: 6030081.2/83

- sign 560.666+/-0.080 χ^2/NDF: 3354611.6/42

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 37.456+/-452.147 χ^2/NDF: 11.1/16

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -91.260+/-430.761 χ^2/NDF: 25.7/19

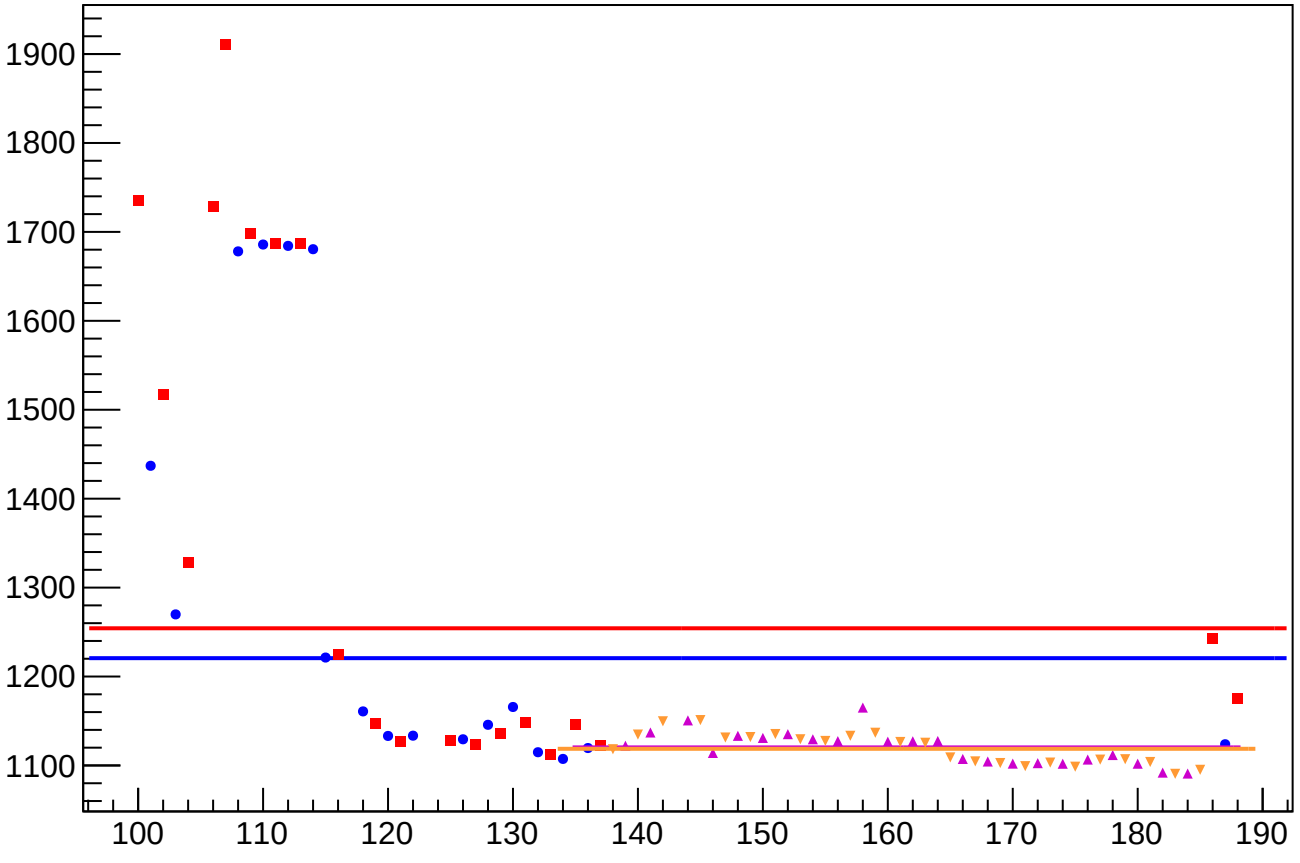
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 187.240+/-225.176 χ^2/NDF: 34.0/40

All: 48.074+/-158.663 χ^2/NDF: 81.3/83

- sign -89.149+/-223.598 χ^2/NDF: 46.6/42

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1220.652+/-0.320 χ^2/NDF: 297857.4/16

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1254.251+/-0.305 χ^2/NDF: 450282.4/19

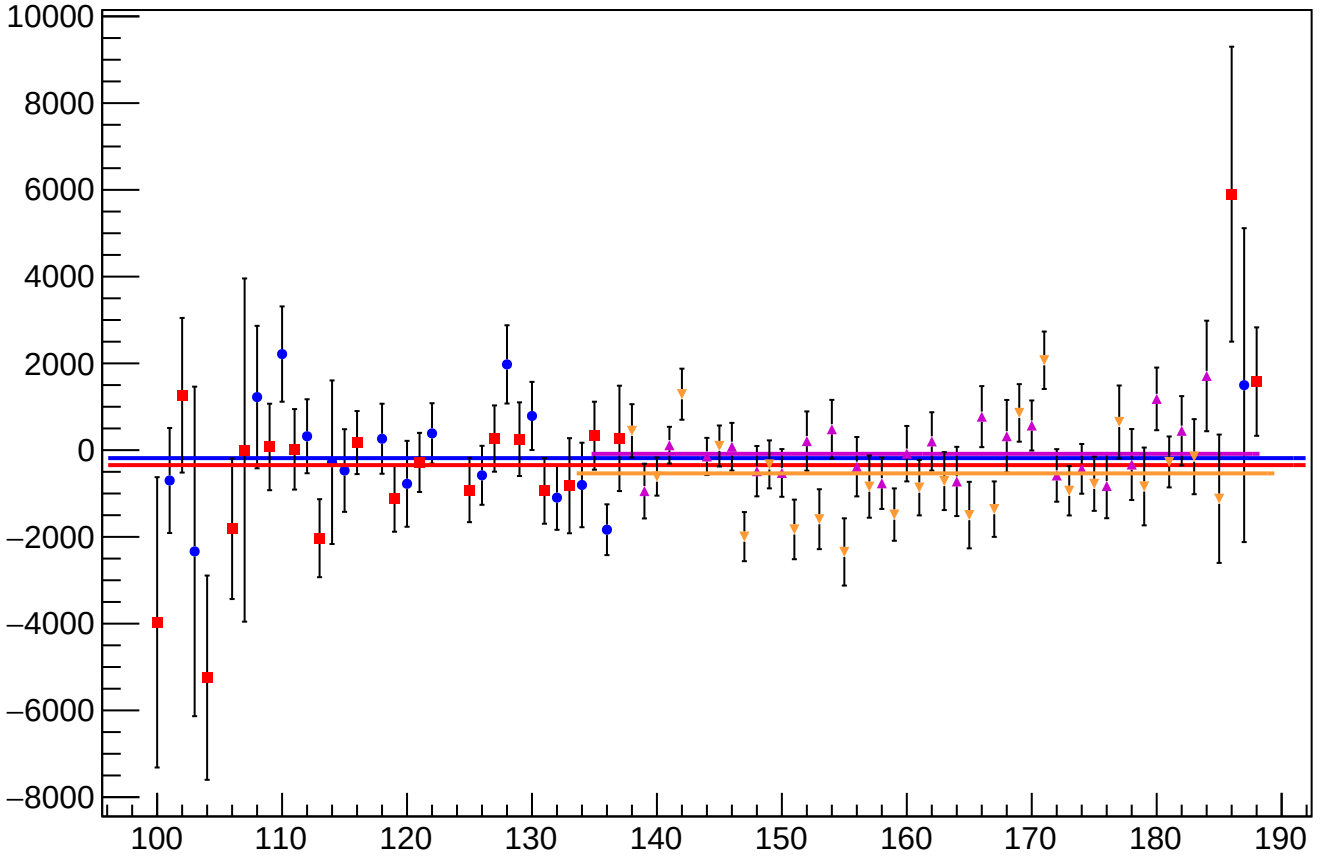
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.011+/-0.159 χ^2/NDF: 382478.7/40

All: 1150.248+/-0.112 χ^2/NDF: 986558.6/83

- sign 1156.398+/-0.158 χ^2/NDF: 601032.5/42

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -184.262+/-222.446 χ^2/NDF: 25.5/16

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -345.282+/-219.595 χ^2/NDF: 21.8/19

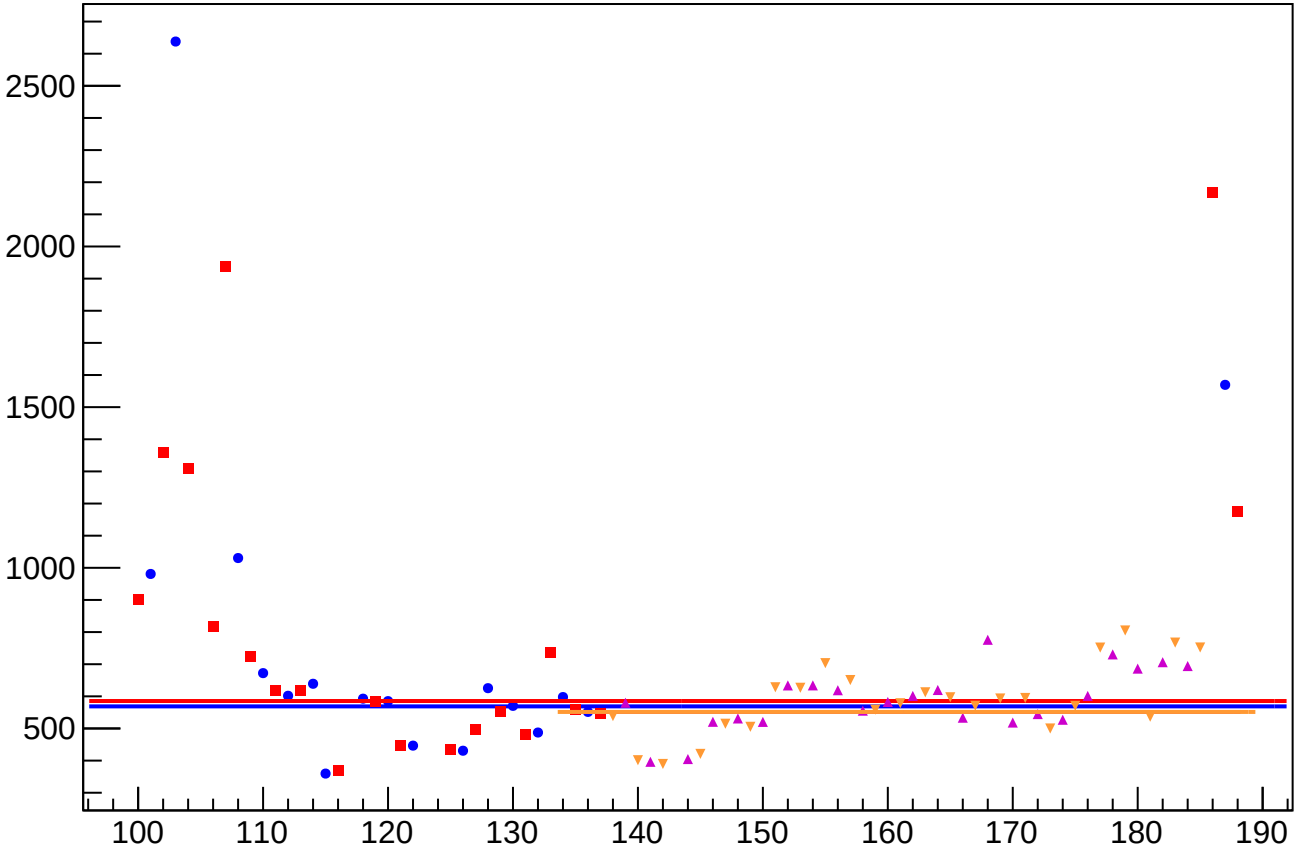
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -445.737+/-112.653 χ^2/NDF: 88.9/40

All: -299.378+/-79.597 χ^2/NDF: 132.3/83

- sign -153.468+/-112.481 χ^2/NDF: 40.0/42

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 568.751+/-0.157 χ^2/NDF: 1438012.9/16

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 585.459+/-0.155 χ^2/NDF: 2234340.2/19

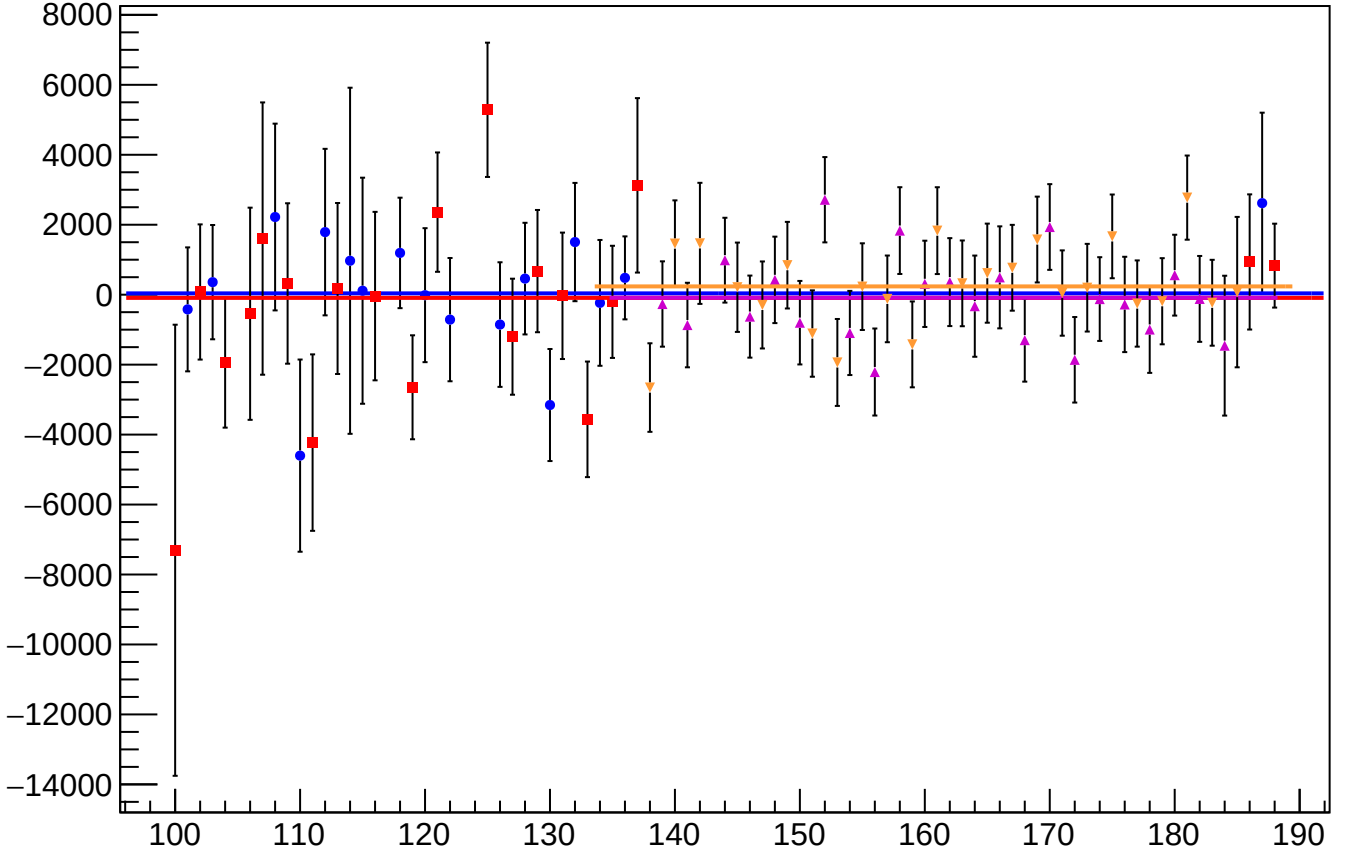
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 555.879+/-0.080 χ^2/NDF: 2673651.3/40

All: 558.087+/-0.056 χ^2/NDF: 6006881.4/83

- sign 560.288+/-0.080 χ^2/NDF: 3331695.9/42

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 37.456+/-452.147 χ^2/NDF: 11.1/16

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -91.260+/-430.761 χ^2/NDF: 25.7/19

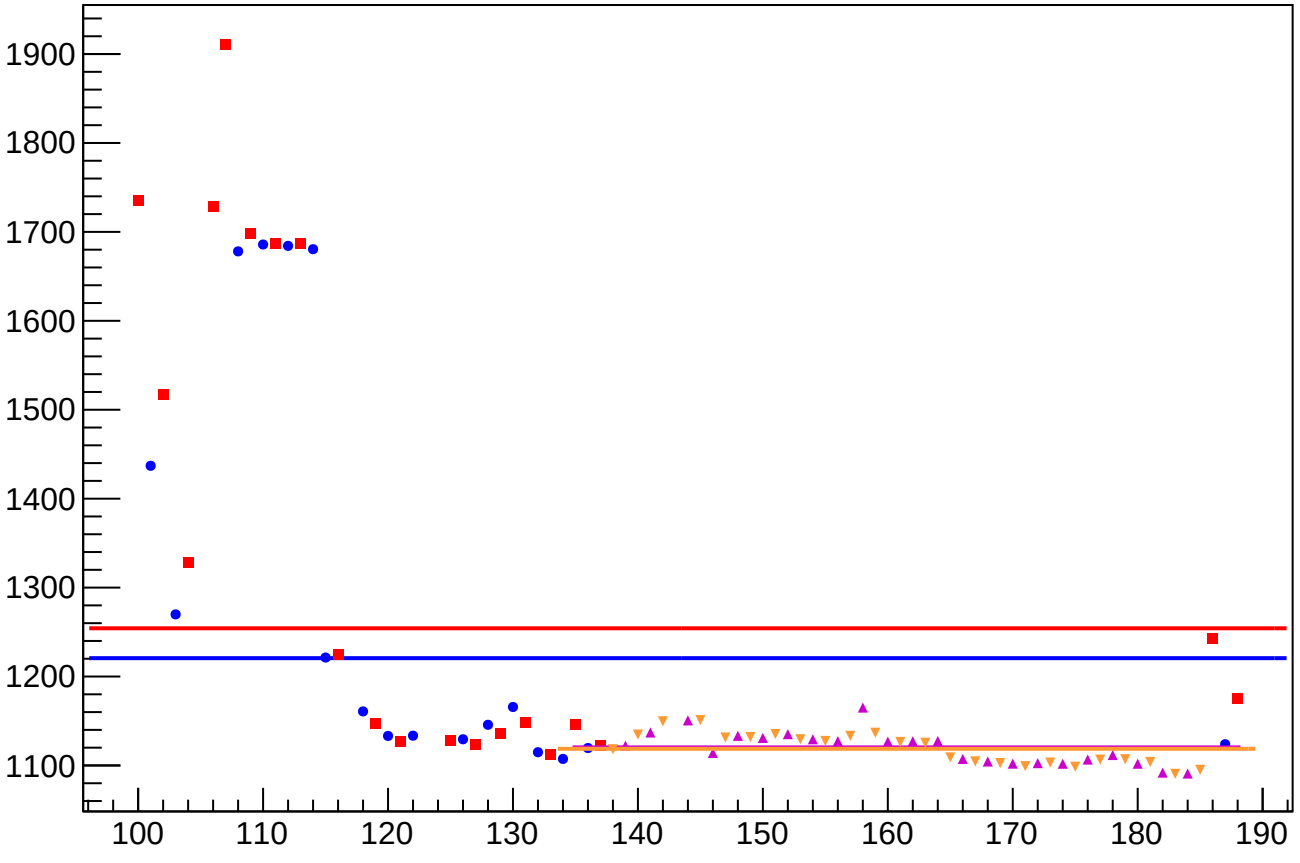
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 187.240+/-225.176 χ^2/NDF: 34.0/40

All: 48.074+/-158.663 χ^2/NDF: 81.3/83

- sign -89.149+/-223.598 χ^2/NDF: 46.6/42

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1220.652+/-0.320 χ^2/NDF: 297857.4/16

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

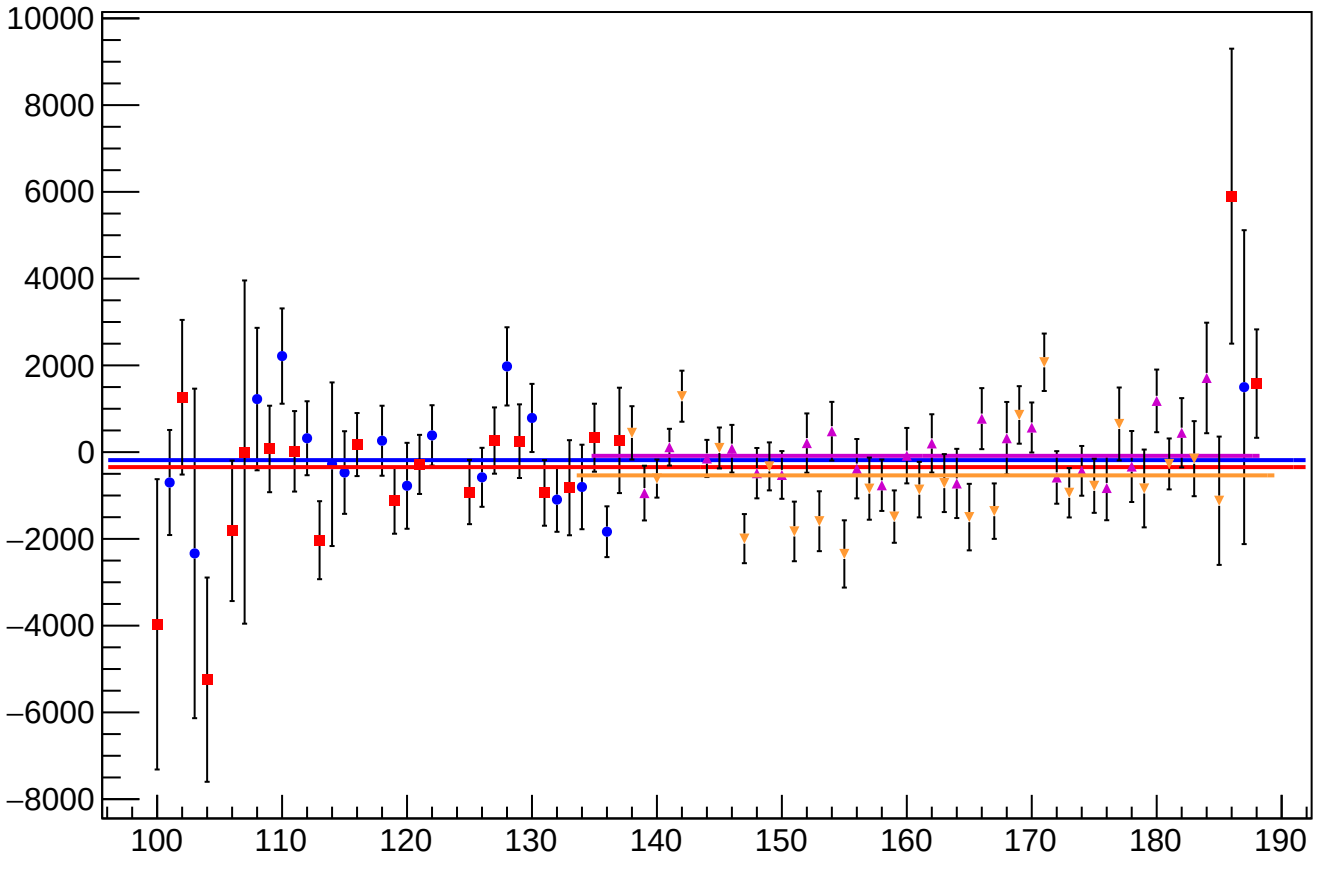
Right Out: 1254.251+/-0.305 χ^2/NDF: 450282.4/19

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.011+/-0.159 χ^2/NDF: 382478.7/40

All: 1150.248+/-0.112 χ^2/NDF: 986558.6/83

- sign 1156.398+/-0.158 χ^2/NDF: 601032.5/42



Right In: -184.262+/-222.446 χ^2/NDF: 25.5/16

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

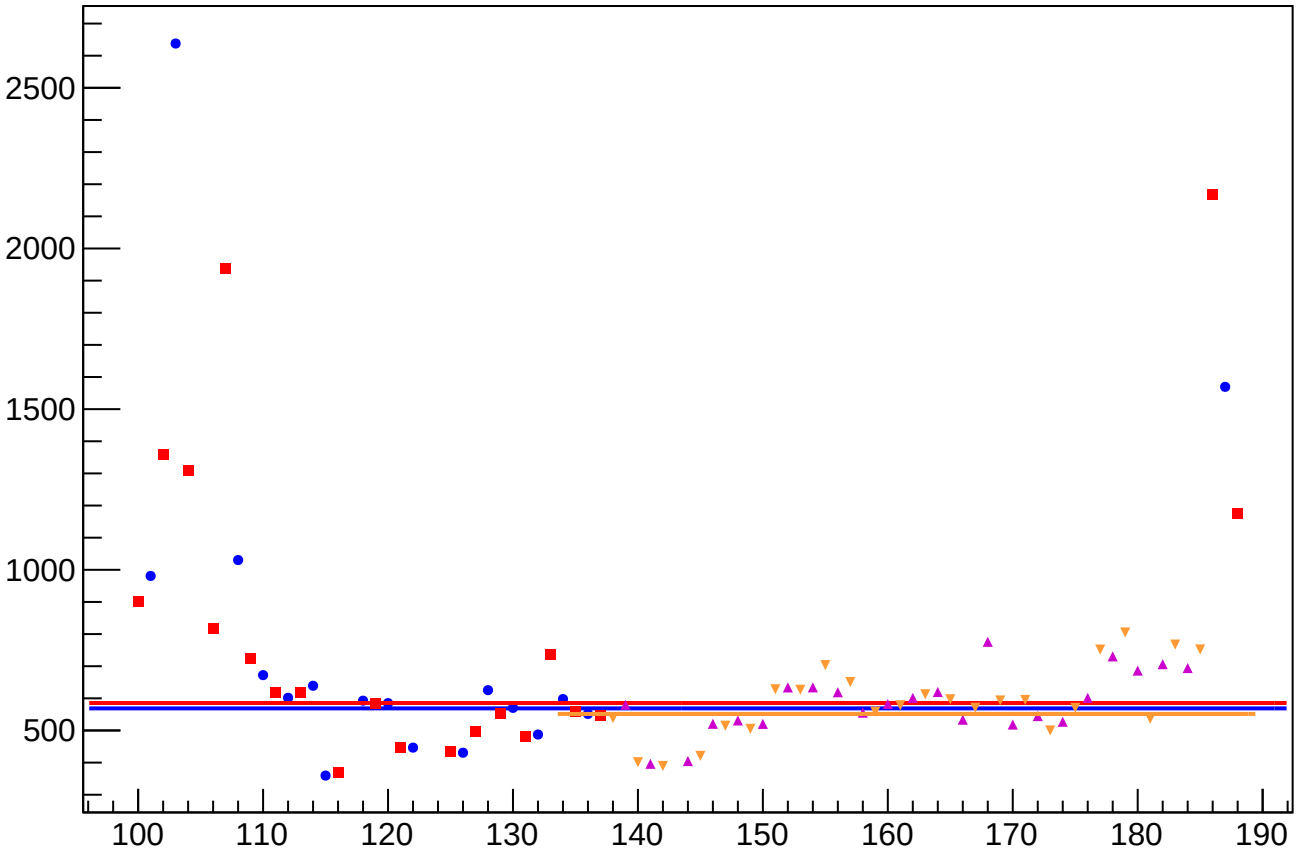
Right Out: -345.282+/-219.595 χ^2/NDF: 21.8/19

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -445.737+/-112.653 χ^2/NDF: 88.9/40

All: -299.378+/-79.597 χ^2/NDF: 132.3/83

- sign -153.468+/-112.481 χ^2/NDF: 40.0/42



Right In: 568.751+/-0.157 χ^2/NDF: 1438012.9/16

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 585.459+/-0.155 χ^2/NDF: 2234340.2/19

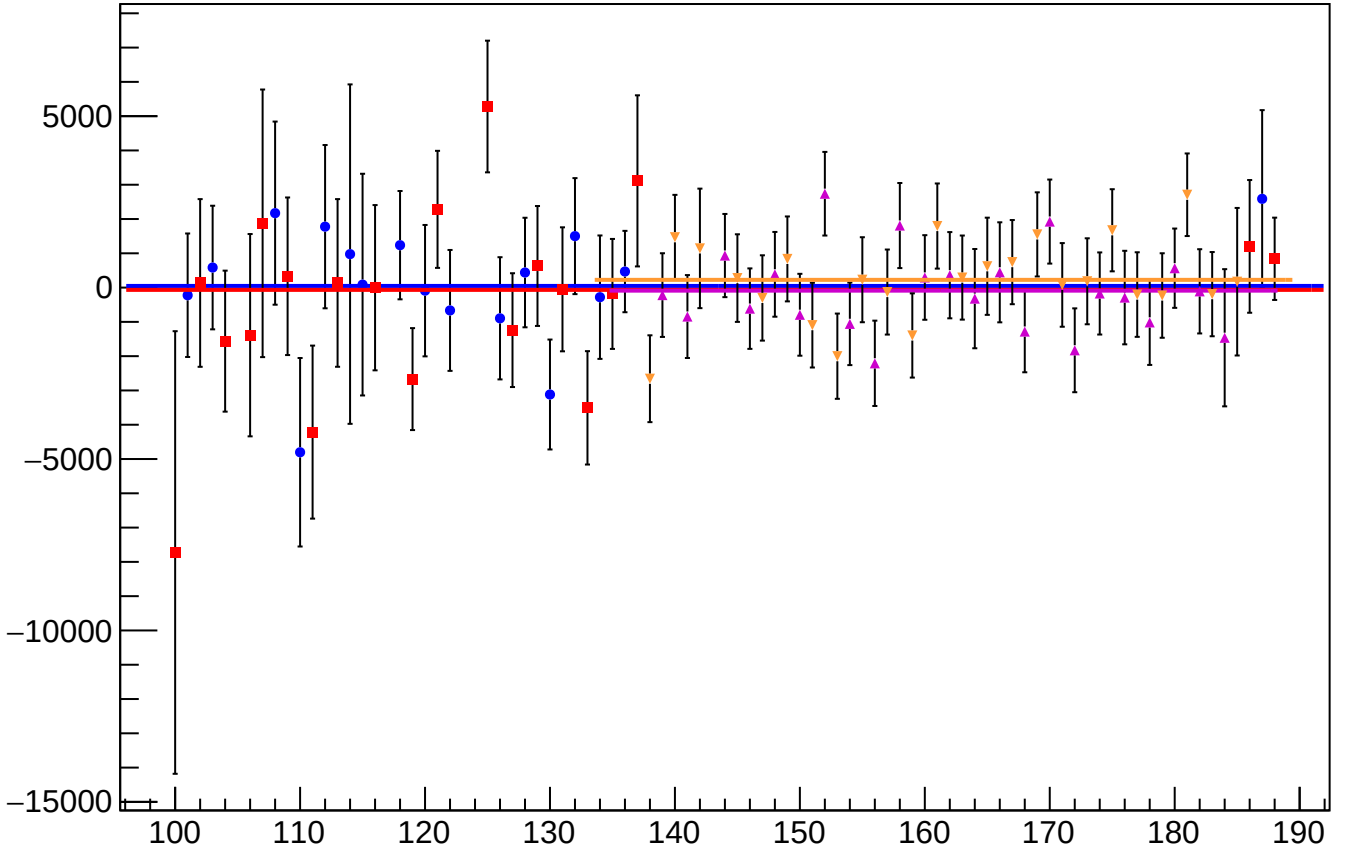
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 555.879+/-0.080 χ^2/NDF: 2673651.3/40

All: 558.087+/-0.056 χ^2/NDF: 6006881.4/83

- sign 560.288+/-0.080 χ^2/NDF: 3331695.9/42

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 48.341+/-455.967 χ^2/NDF: 11.3/16

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -66.814+/-437.151 χ^2/NDF: 25.5/19

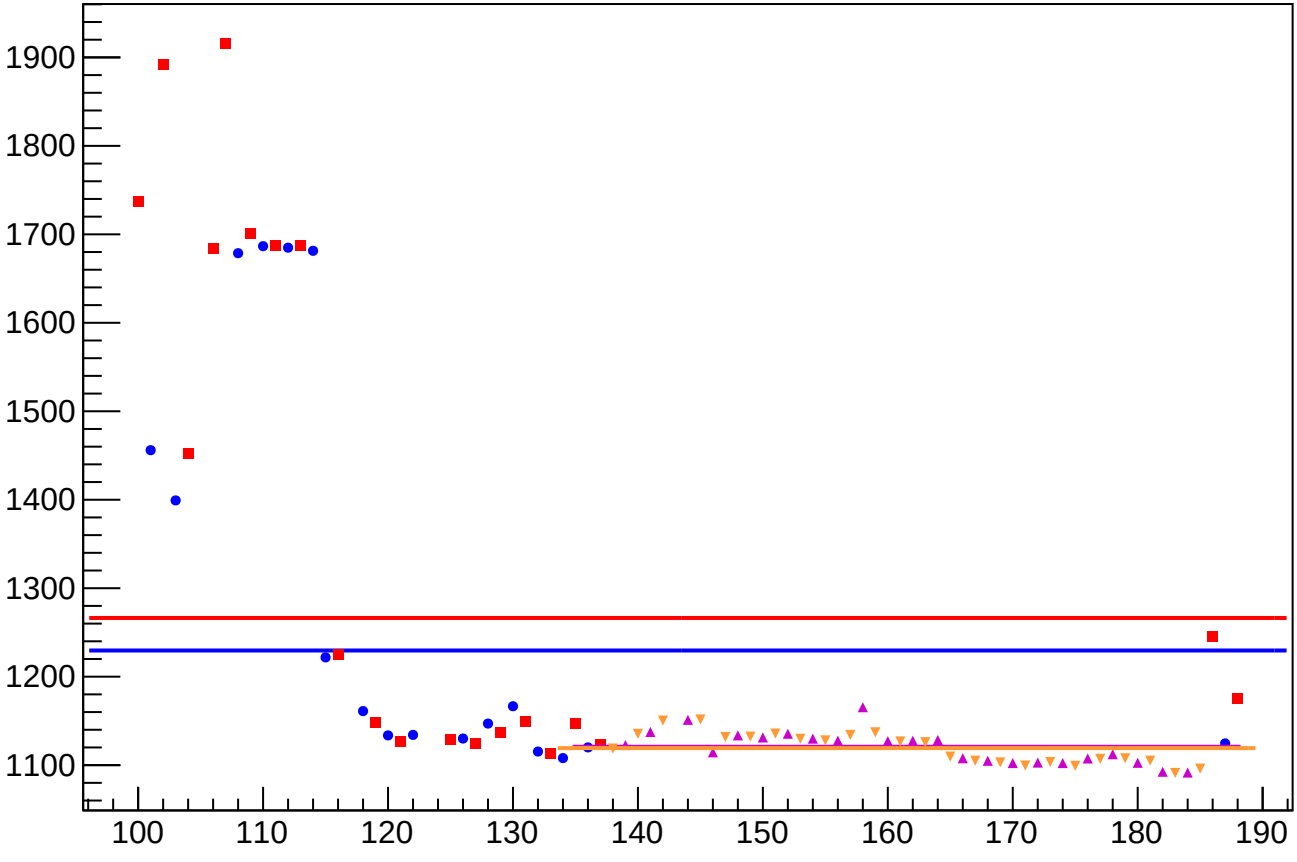
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 182.197+/-225.749 χ^2/NDF: 33.6/40

All: 48.790+/-159.203 χ^2/NDF: 80.3/83

- sign -83.204+/-224.550 χ^2/NDF: 46.0/42

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1229.598+/-0.322 χ^2/NDF: 318873.4/16

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1266.372+/-0.309 χ^2/NDF: 557211.7/19

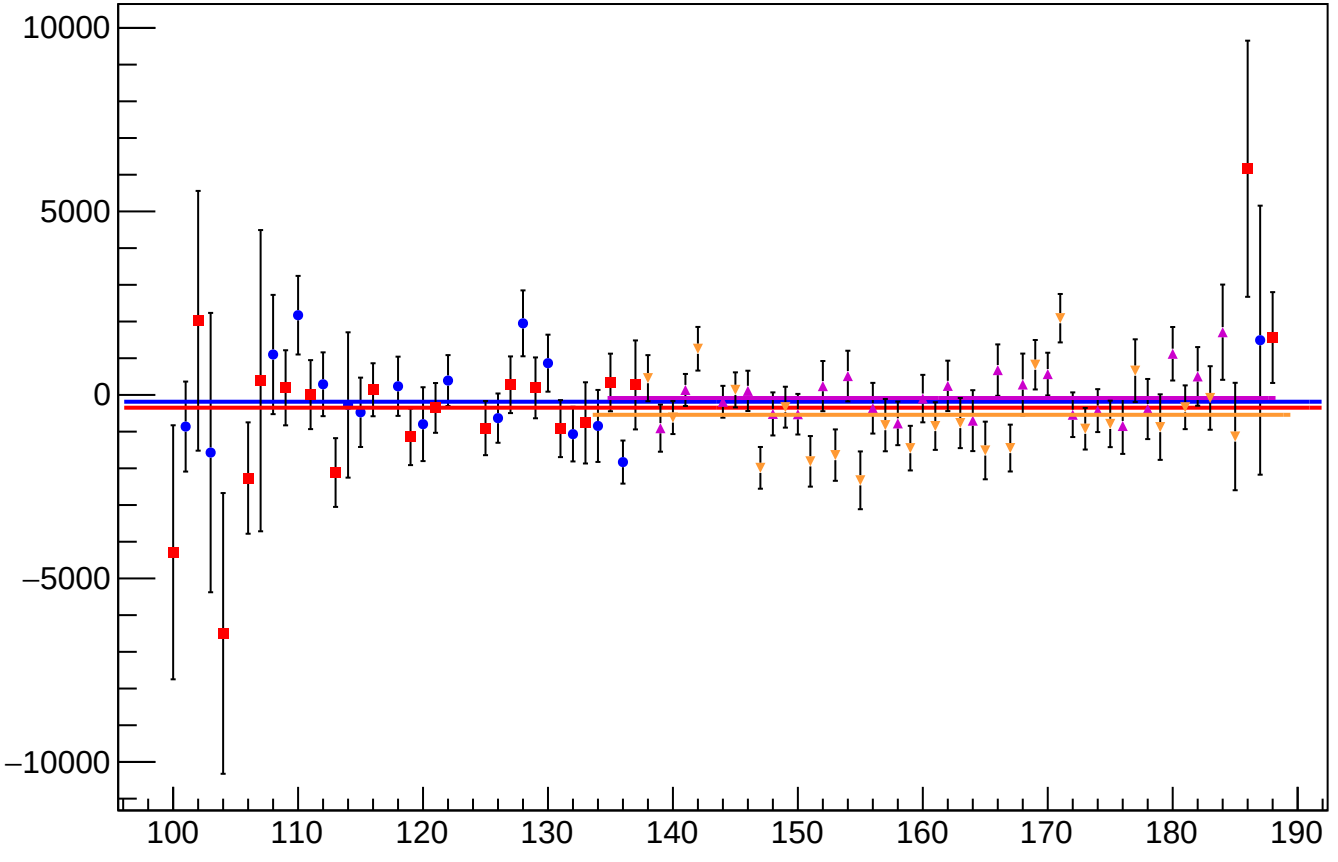
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1146.305+/-0.160 χ^2/NDF: 415427.4/40

All: 1152.792+/-0.113 χ^2/NDF: 1148613.2/83

- sign 1159.210+/-0.159 χ^2/NDF: 729900.4/42

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -185.333+/-222.353 χ^2/NDF: 25.5/16

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -348.051+/-222.440 χ^2/NDF: 20.7/19

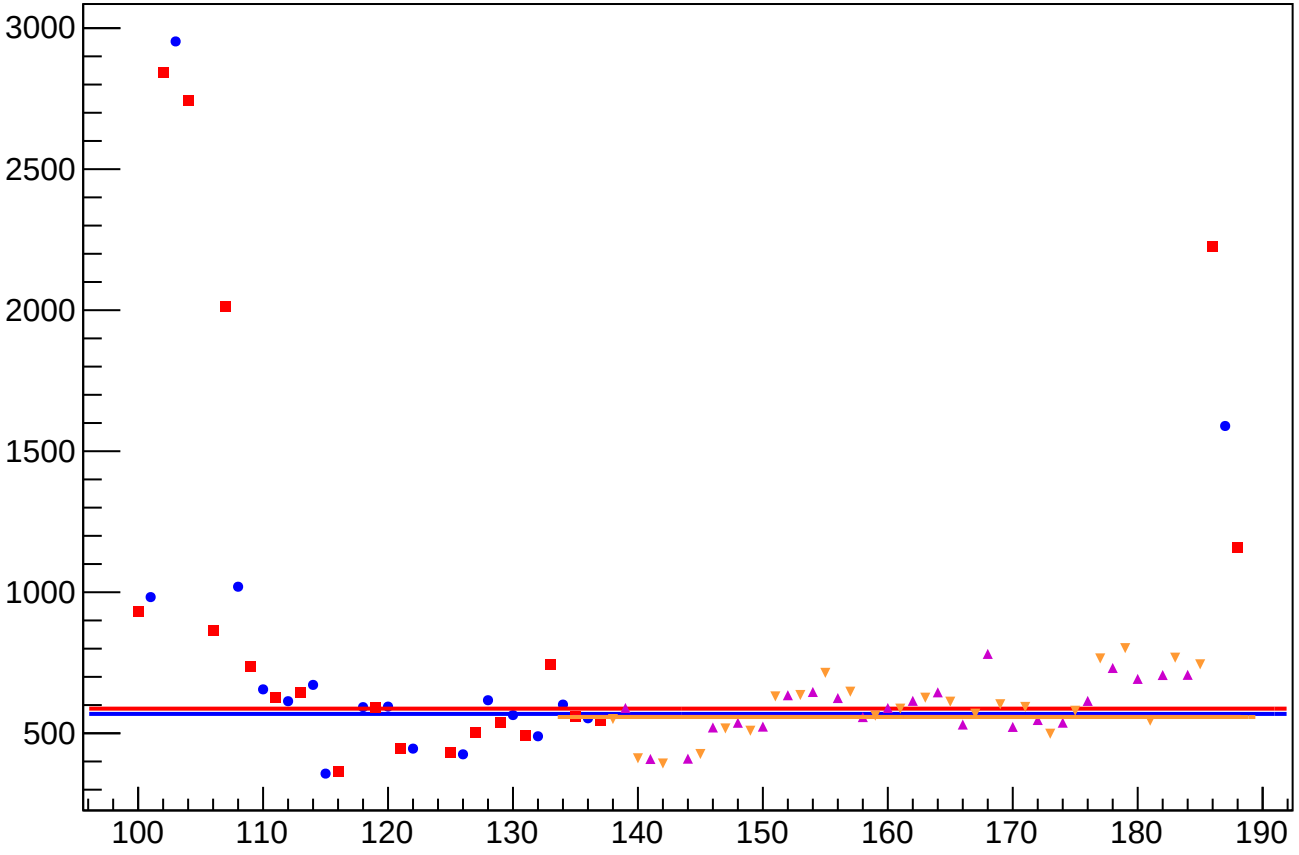
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -448.744+/-113.513 χ^2/NDF: 88.3/40

All: -301.470+/-80.390 χ^2/NDF: 129.8/83

- sign -153.280+/-113.865 χ^2/NDF: 38.1/42

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 568.642+/-0.157 χ^2/NDF: 1636111.2/16

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 587.326+/-0.157 χ^2/NDF: 3166537.3/19

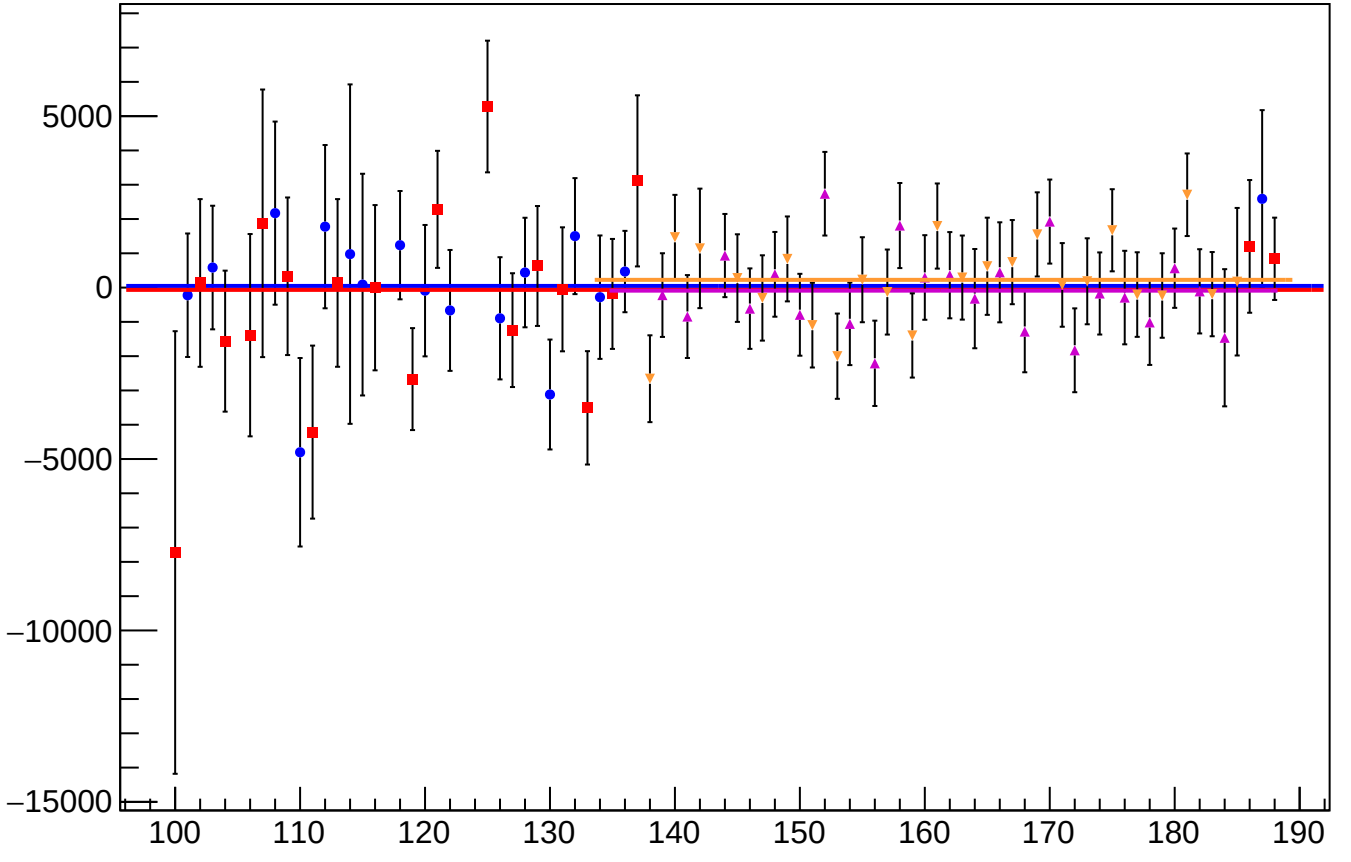
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 560.472+/-0.080 χ^2/NDF: 2833033.6/40

All: 563.214+/-0.057 χ^2/NDF: 7054698.1/83

- sign 565.974+/-0.081 χ^2/NDF: 4219321.8/42

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 48.342+/-455.967 χ^2/NDF: 11.3/16

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -66.814+/-437.151 χ^2/NDF: 25.5/19

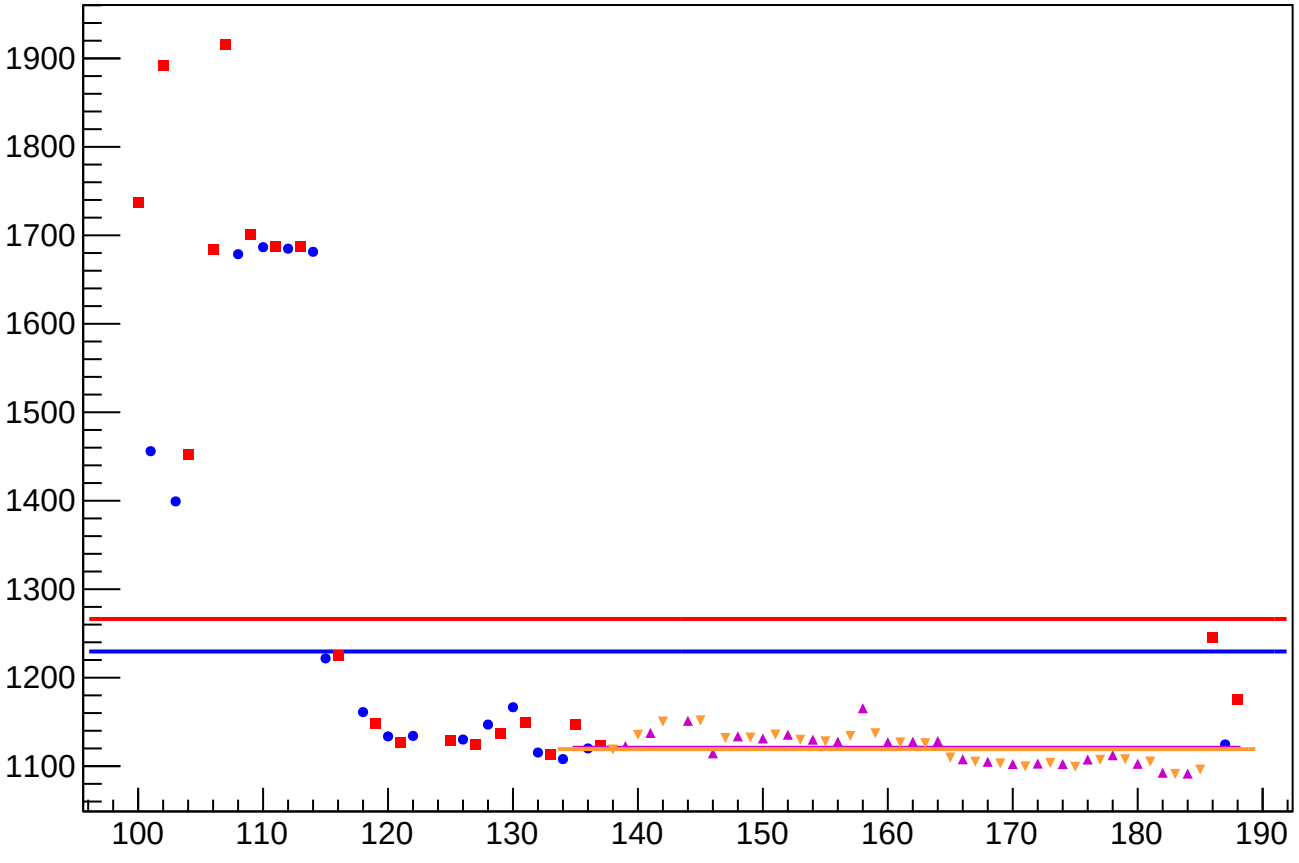
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 182.196+/-225.749 χ^2/NDF: 33.6/40

All: 48.790+/-159.203 χ^2/NDF: 80.3/83

- sign -83.204+/-224.550 χ^2/NDF: 46.0/42

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1229.598+/-0.322 χ^2/NDF: 318873.1/16

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

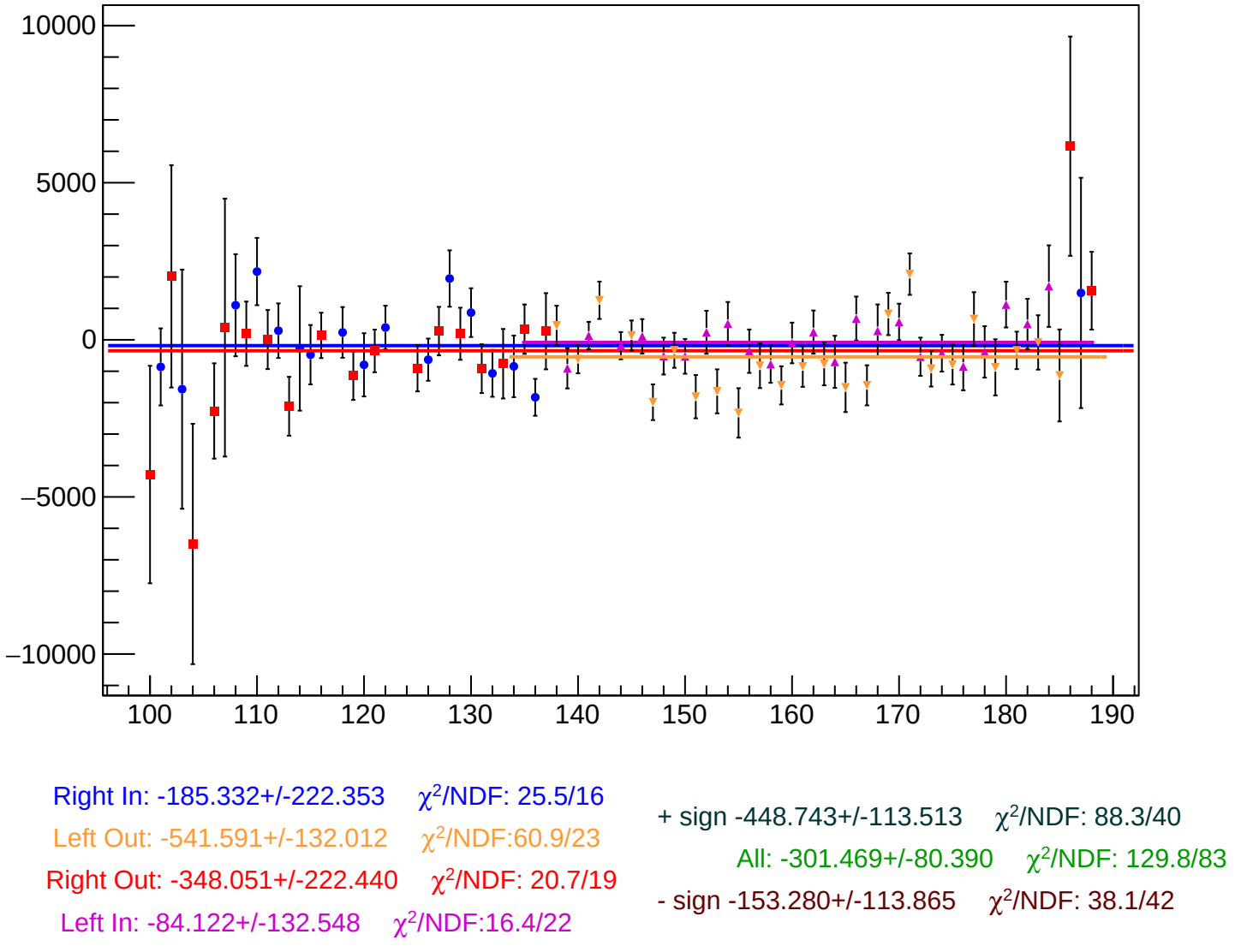
Right Out: 1266.372+/-0.309 χ^2/NDF: 557211.2/19

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

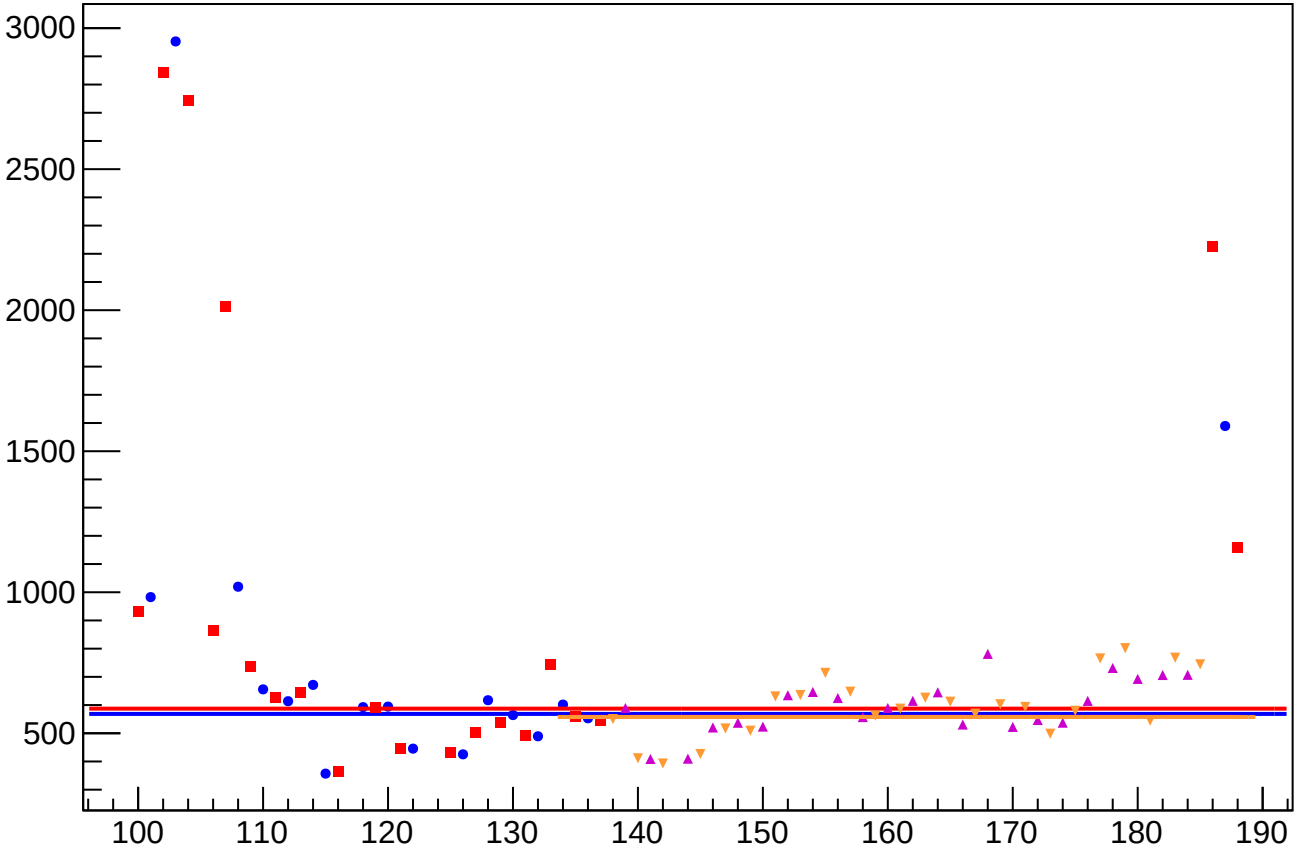
+ sign 1146.305+/-0.160 χ^2/NDF: 415426.9/40

All: 1152.792+/-0.113 χ^2/NDF: 1148612.0/83

- sign 1159.210+/-0.159 χ^2/NDF: 729899.7/42


asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -185.332+/-222.353 χ²/NDF: 25.5/16
Left Out: -541.591+/-132.012 χ²/NDF:60.9/23
Right Out: -348.051+/-222.440 χ²/NDF: 20.7/19
Left In: -84.122+/-132.548 χ²/NDF:16.4/22
+ sign -448.743+/-113.513 χ²/NDF: 88.3/40
All: -301.469+/-80.390 χ²/NDF: 129.8/83
- sign -153.280+/-113.865 χ²/NDF: 38.1/42

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 568.642+/-0.157 χ^2/NDF: 1636108.3/16

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 587.326+/-0.157 χ^2/NDF: 3166538.3/19

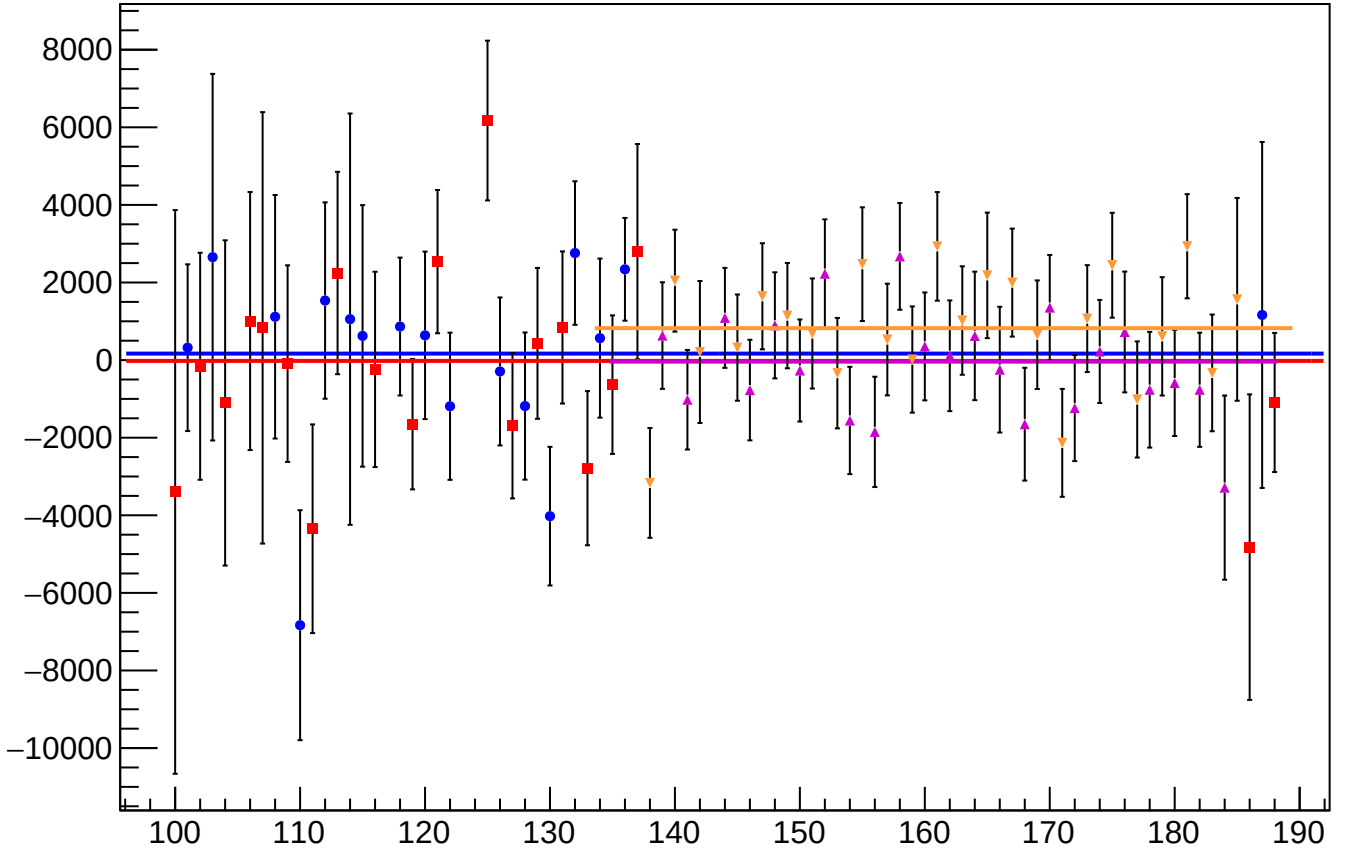
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 560.471+/-0.080 χ^2/NDF: 2833052.1/40

All: 563.214+/-0.057 χ^2/NDF: 7054733.1/83

- sign 565.974+/-0.081 χ^2/NDF: 4219338.2/42

asym_usl_atl1_dd_mean vs Slug



Right In: 167.560+/-528.348 χ^2/NDF: 17.8/16

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -20.385+/-521.322 χ^2/NDF: 21.6/19

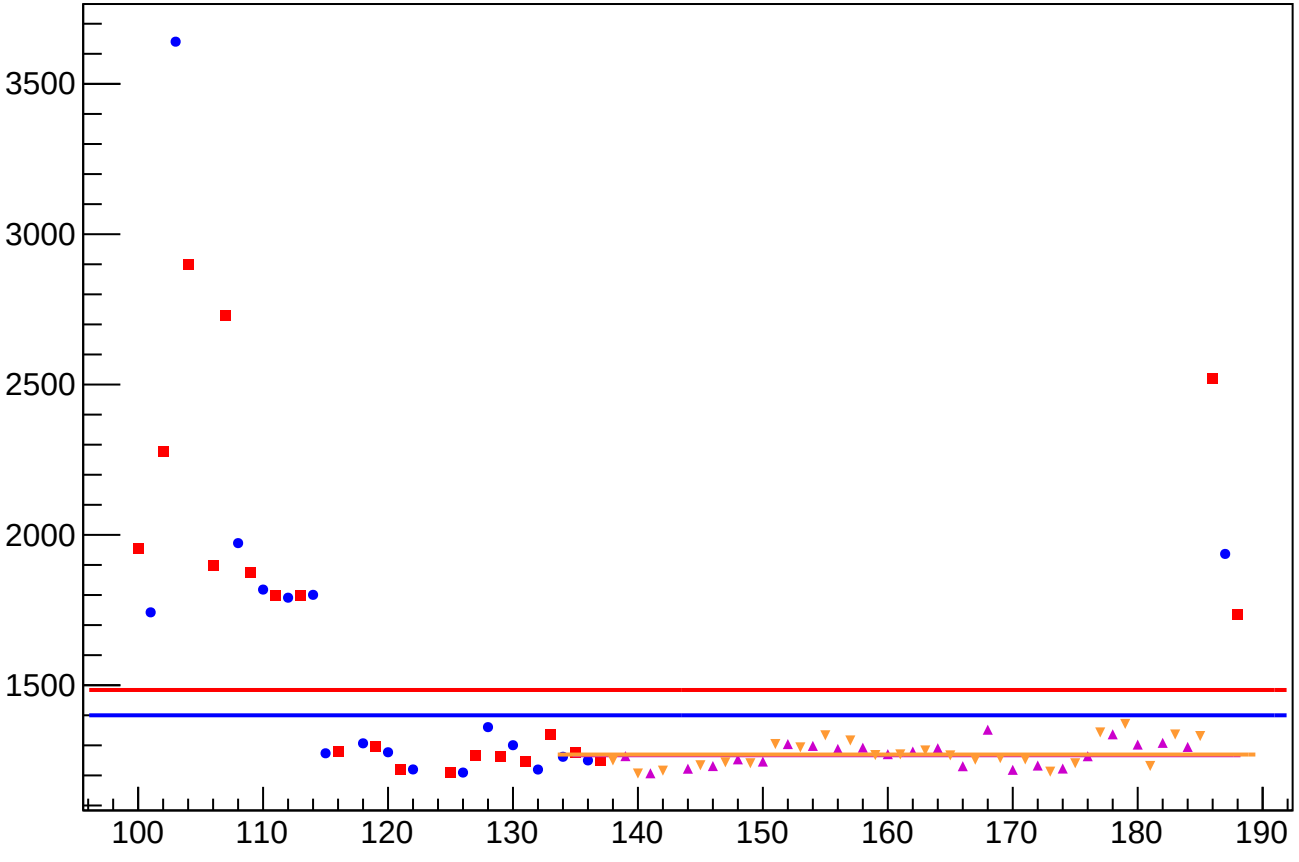
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 667.605+/-257.461 χ^2/NDF: 45.2/40

All: 316.234+/-182.033 χ^2/NDF: 88.4/83

- sign -34.988+/-257.407 χ^2/NDF: 39.5/42

asym_usl_atl1_dd_rms vs Slug



Right In: 1399.942+/-0.374 χ^2/NDF: 808635.0/16

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

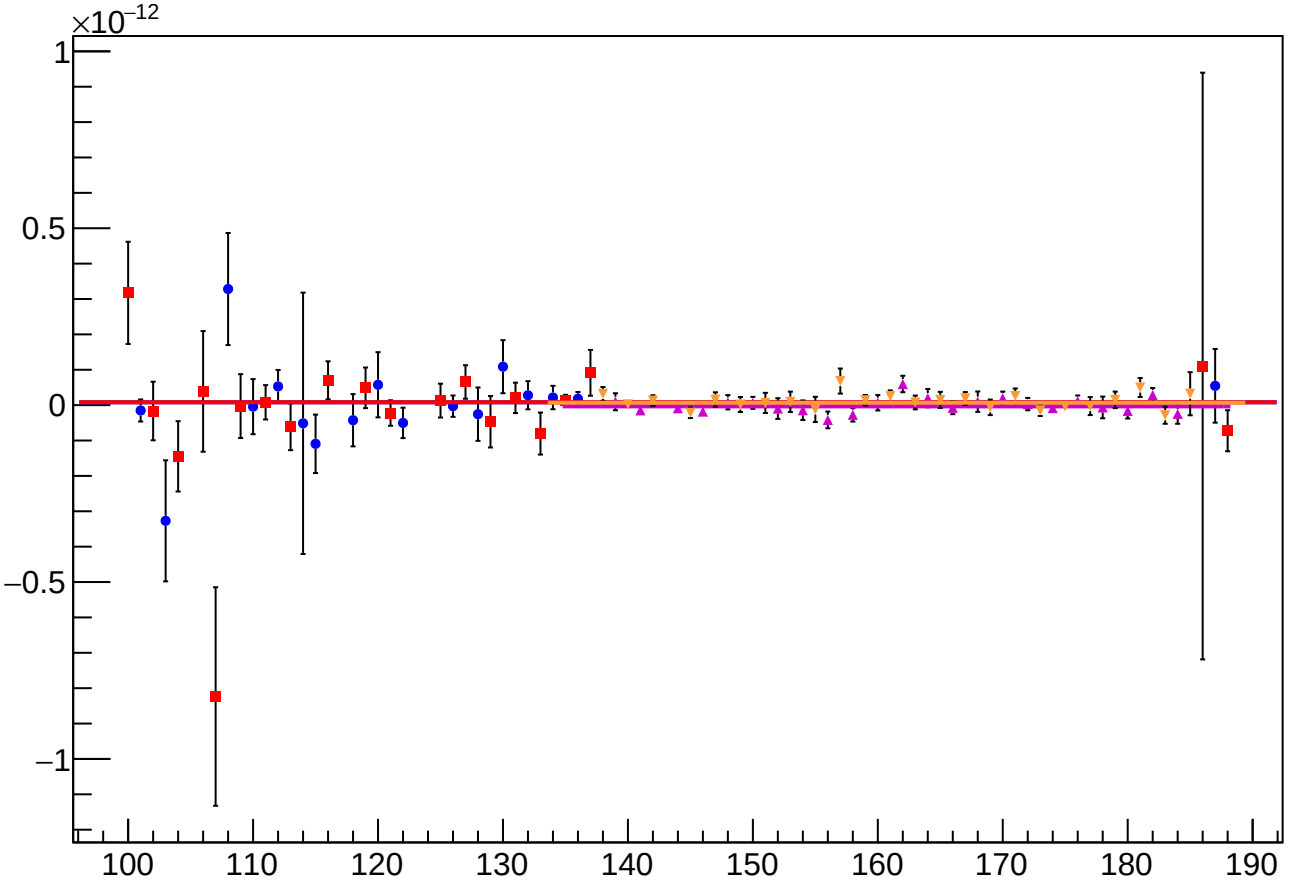
Right Out: 1484.146+/-0.369 χ^2/NDF: 1045747.3/19

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1300.429+/-0.182 χ^2/NDF: 944719.4/40

All: 1310.211+/-0.129 χ^2/NDF: 2293027.0/83

- sign 1319.989+/-0.182 χ^2/NDF: 1342534.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/19

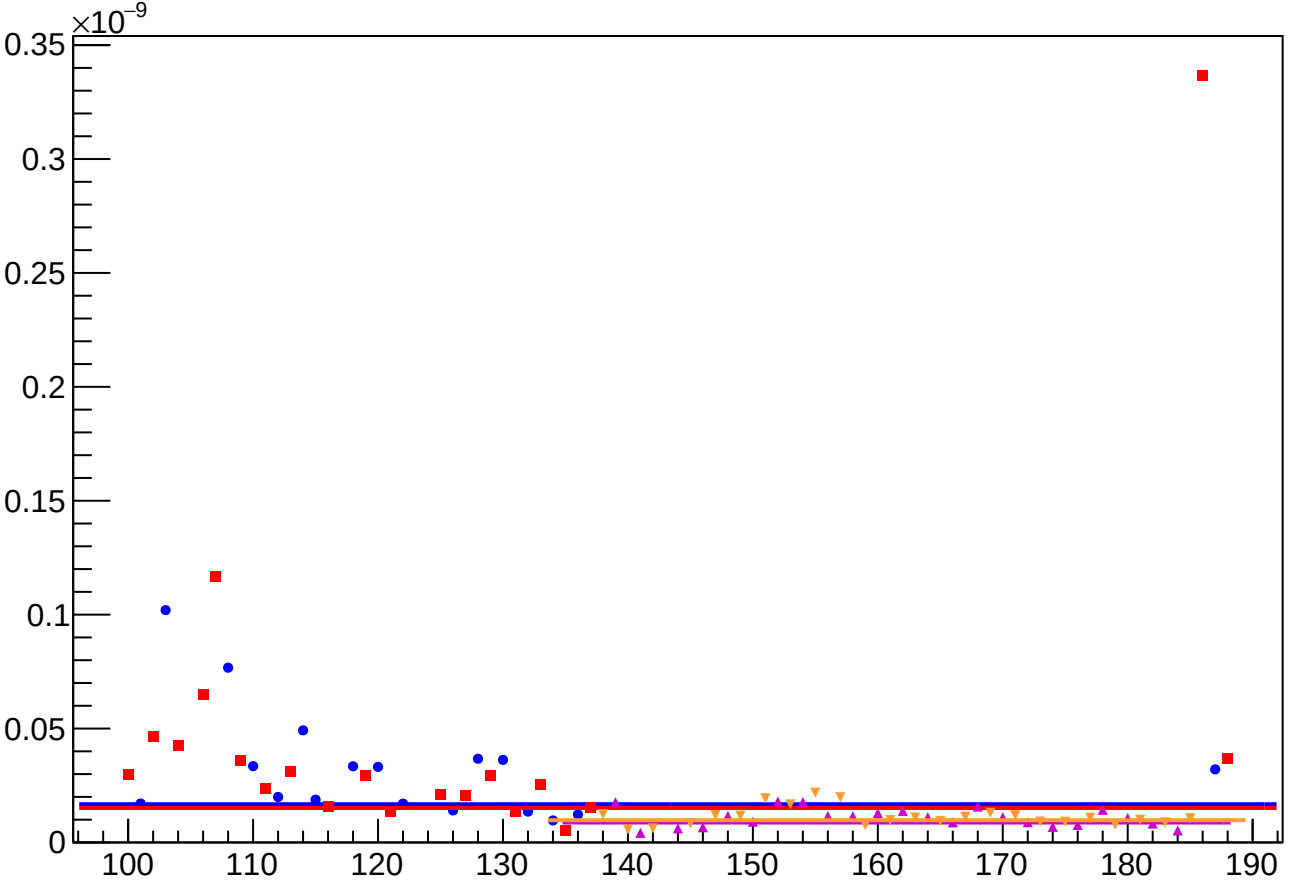
Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.9/40

All: 0.000+/-0.000 χ^2/NDF: 90.4/83

- sign -0.000+/-0.000 χ^2/NDF: 50.2/42

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1616803.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2847687.8/19

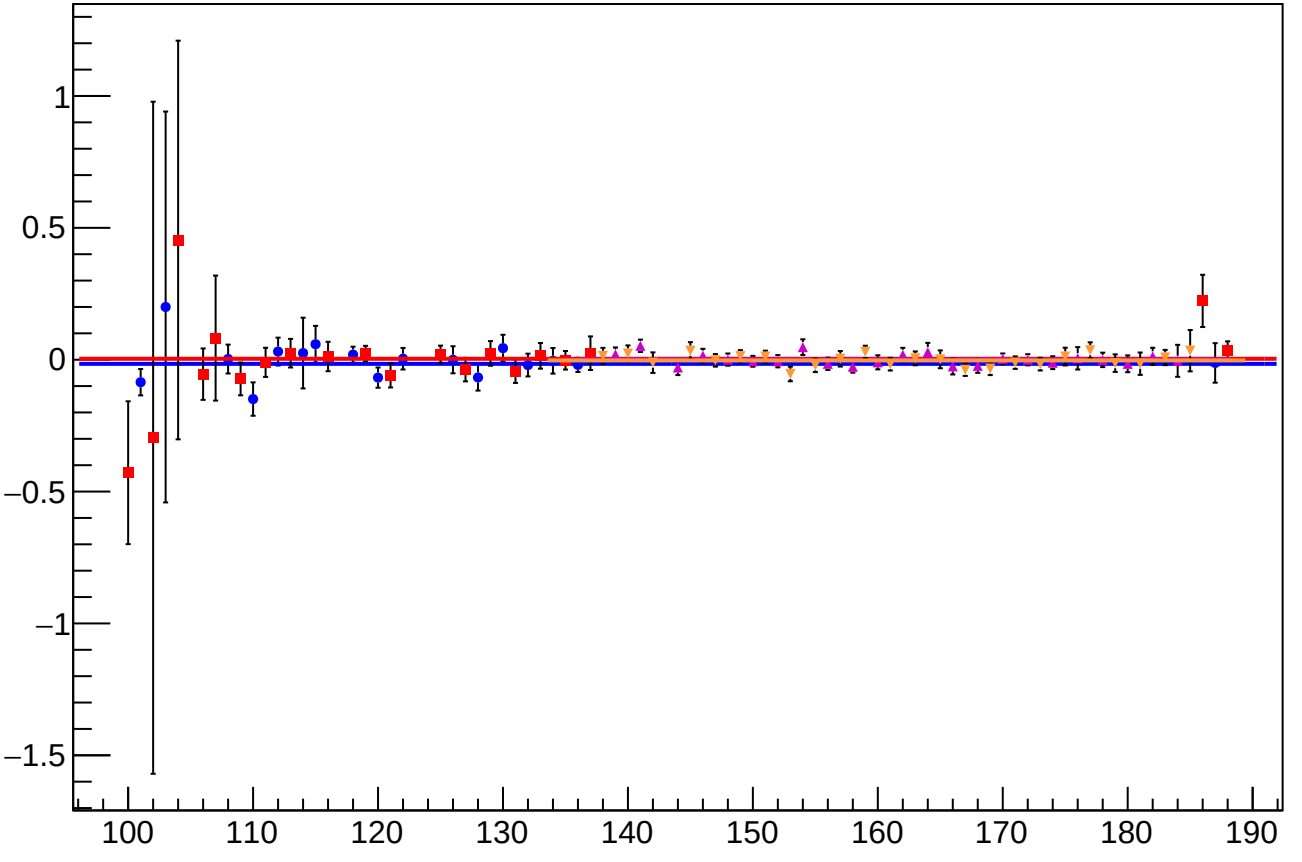
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3734366.0/40

All: 0.000+/-0.000 χ^2/NDF: 9269386.6/83

- sign 0.000+/-0.000 χ^2/NDF: 5437356.2/42

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.003+/-0.011 χ^2/NDF: 15.7/19

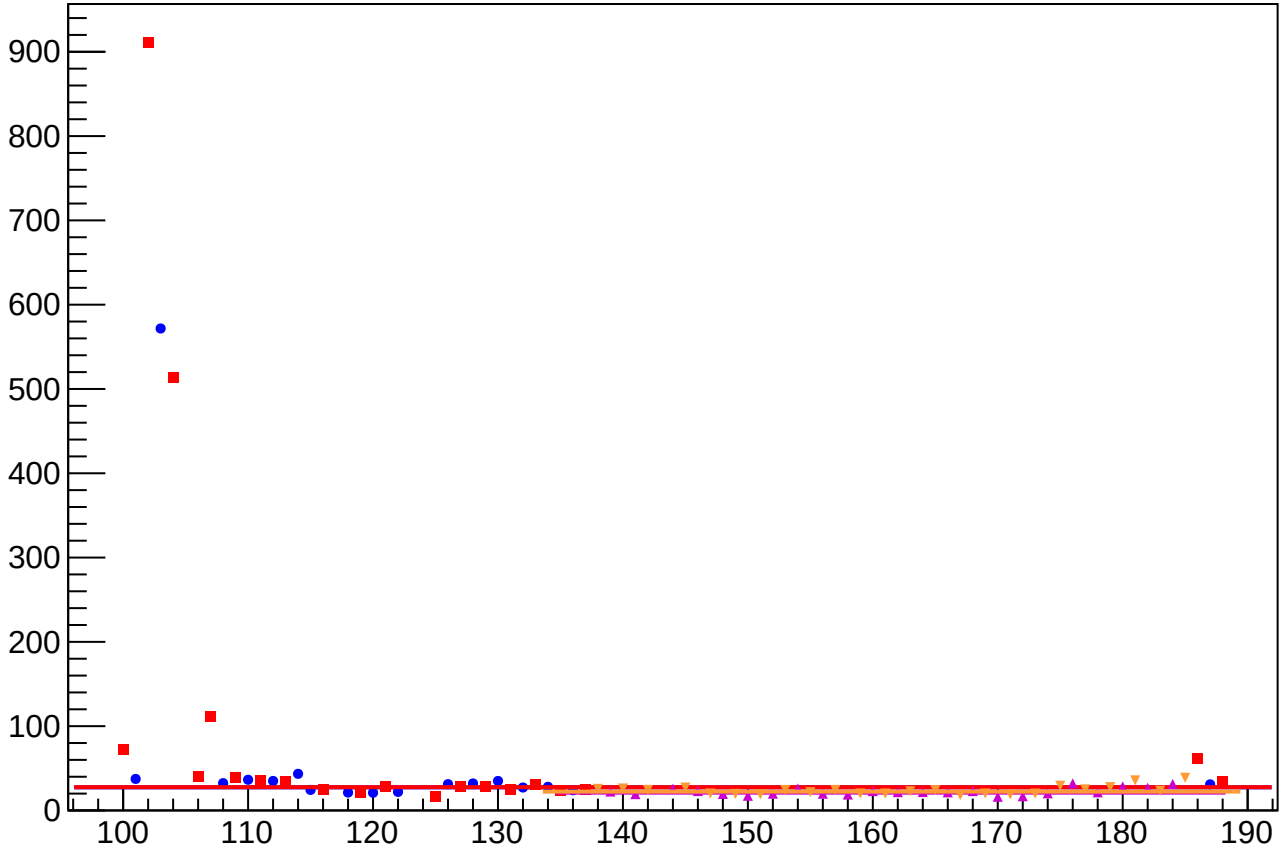
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 32.0/40

All: -0.002+/-0.004 χ^2/NDF: 63.5/83

- sign 0.001+/-0.005 χ^2/NDF: 30.7/42

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.390+/-0.008 χ^2/NDF: 1573005.2/16

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

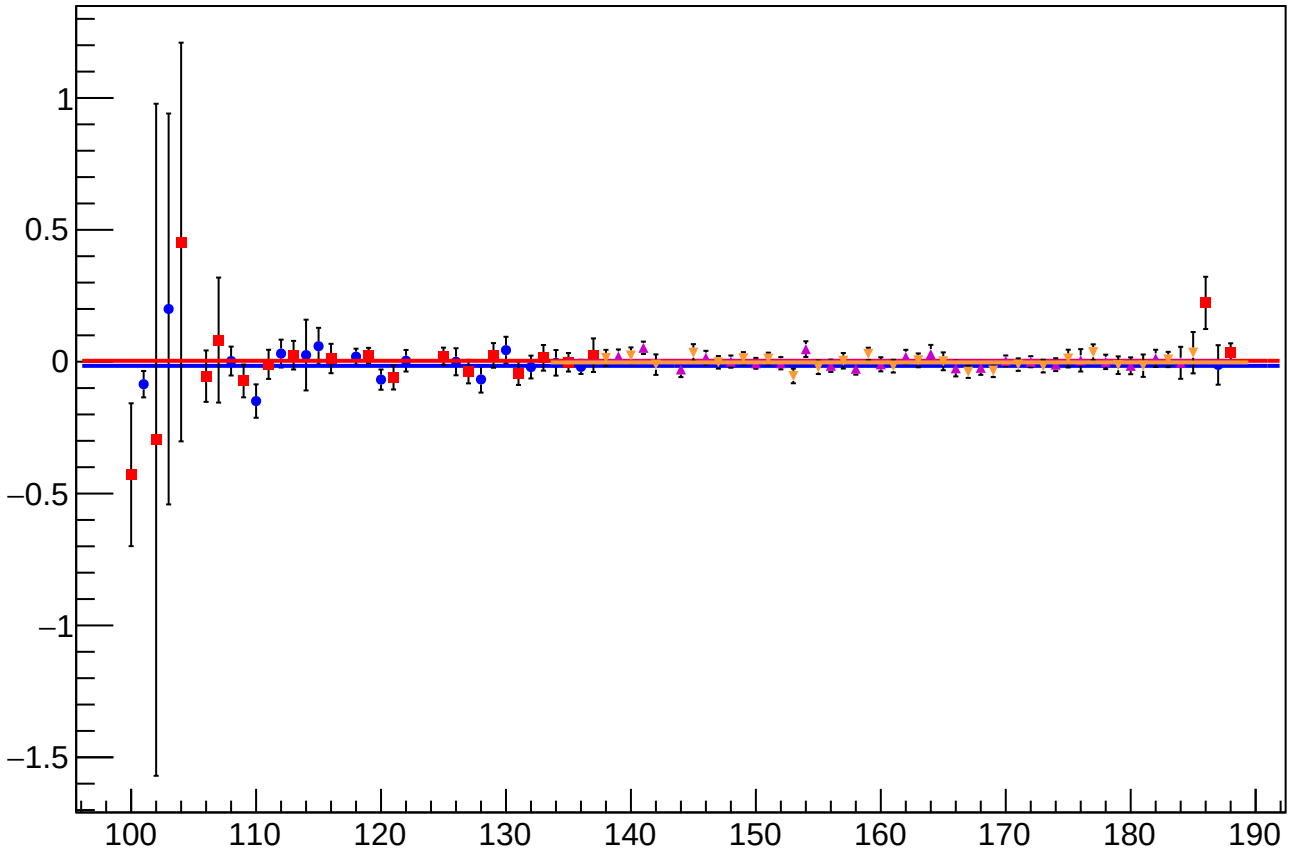
Right Out: 27.600+/-0.008 χ^2/NDF: 2932120.2/19

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

\+ sign 23.354+/-0.004 χ^2/NDF: 2700481.8/40

All: 22.822+/-0.003 χ^2/NDF: 7027197.4/83

\- sign 22.324+/-0.003 χ^2/NDF: 4284361.9/42



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.003+/-0.011 χ^2/NDF: 15.7/19

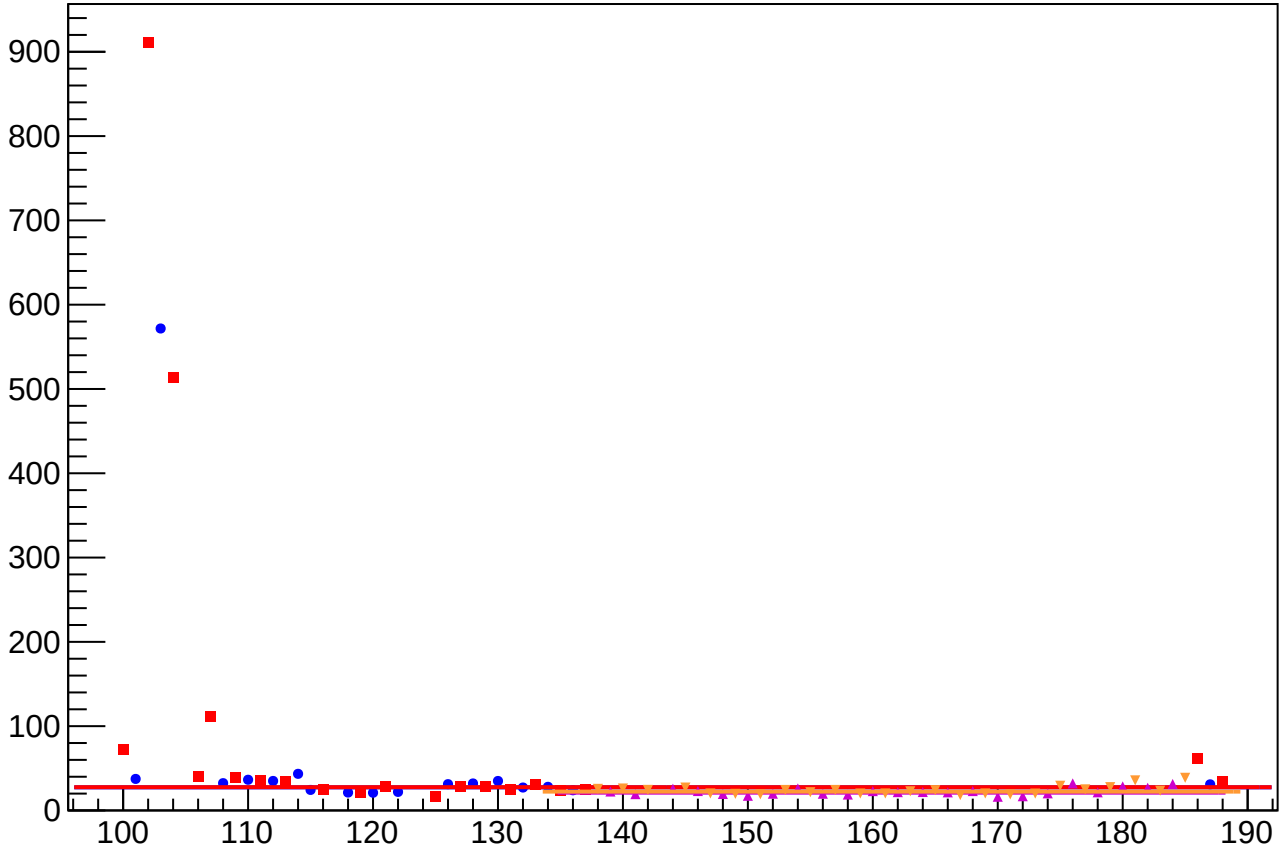
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.005+/-0.005 χ^2/NDF: 32.0/40

All: -0.002+/-0.004 χ^2/NDF: 63.5/83

\- sign 0.001+/-0.005 χ^2/NDF: 30.7/42

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.390+/-0.008 χ^2/NDF: 1573005.2/16

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

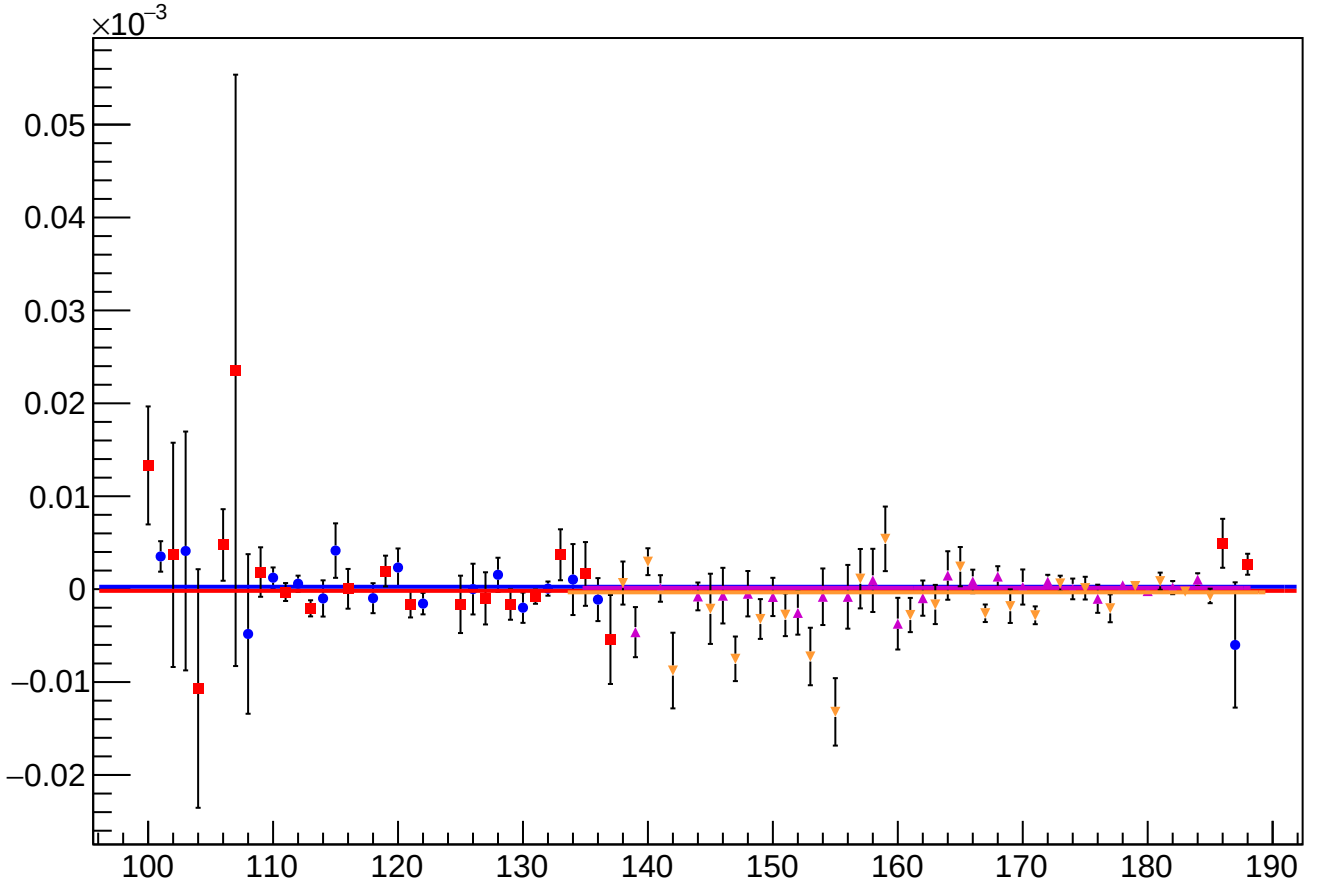
Right Out: 27.600+/-0.008 χ^2/NDF: 2932120.2/19

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.354+/-0.004 χ^2/NDF: 2700481.8/40

All: 22.822+/-0.003 χ^2/NDF: 7027197.4/83

- sign 22.324+/-0.003 χ^2/NDF: 4284361.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.9/19

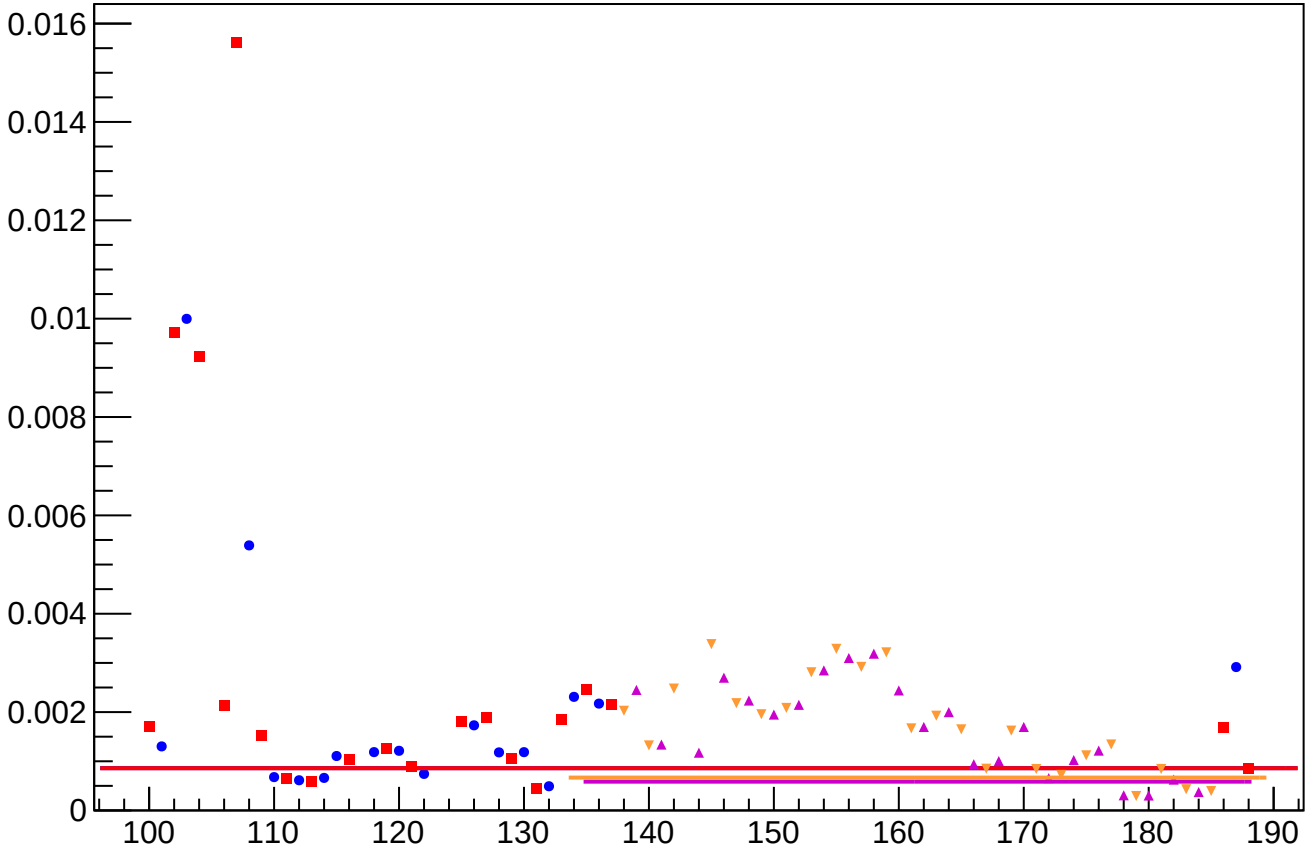
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 85.3/40

All: -0.000+/-0.000 χ^2/NDF: 132.4/83

- sign 0.000+/-0.000 χ^2/NDF: 45.8/42

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4050261.6/16

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

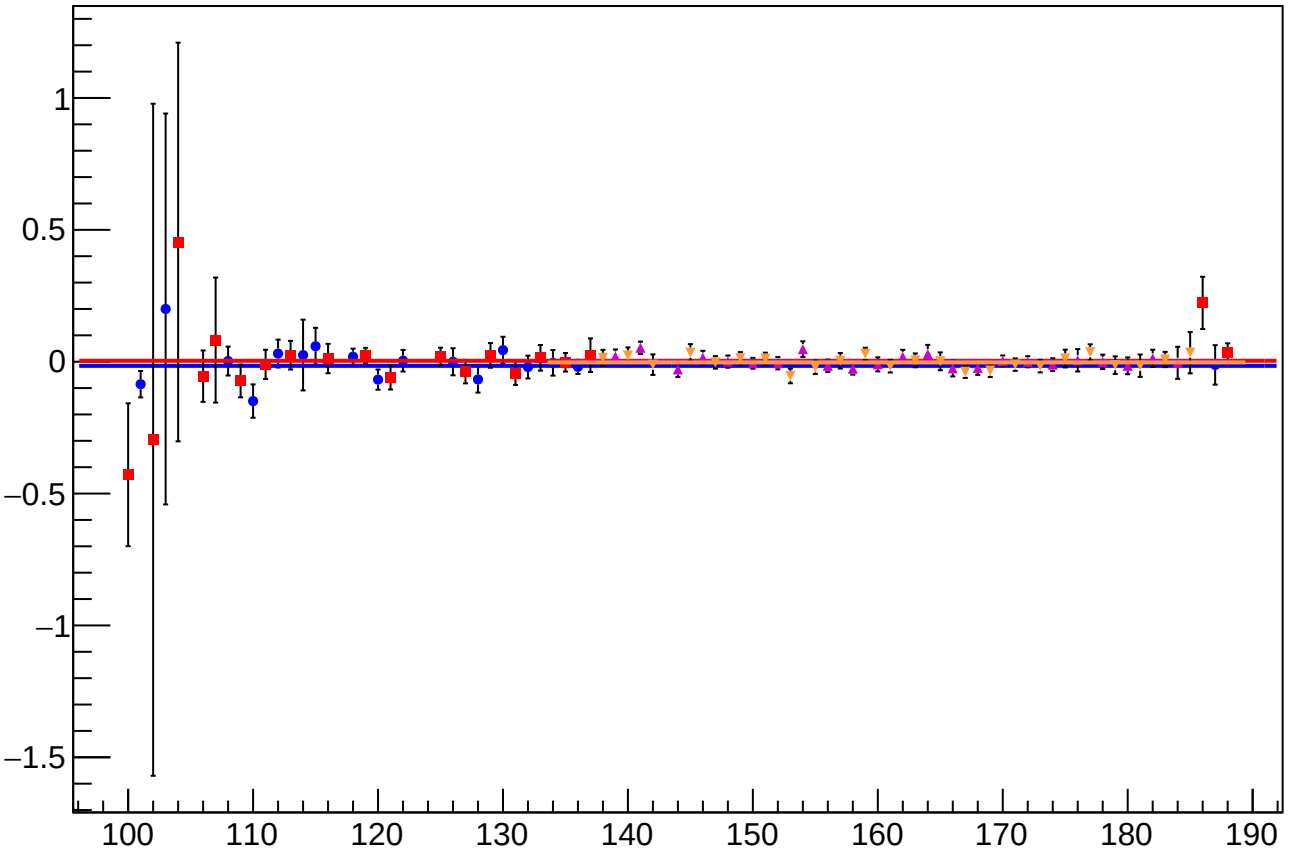
Right Out: 0.001+/-0.000 χ^2/NDF: 5243978.2/19

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 19825647.3/40

All: 0.001+/-0.000 χ^2/NDF: 41756099.5/83

- sign 0.001+/-0.000 χ^2/NDF: 21762431.3/42



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

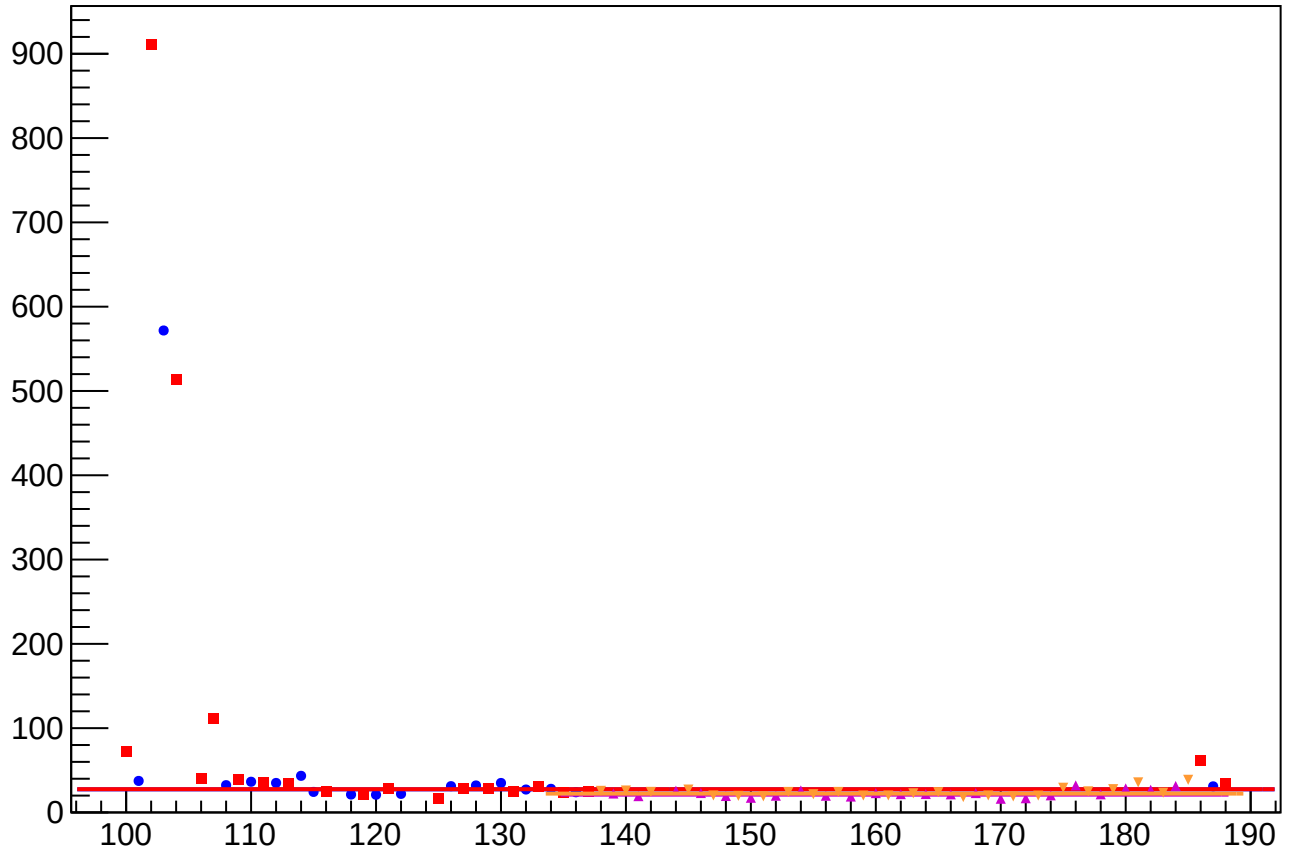
Right Out: 0.003+/-0.011 χ^2/NDF: 15.7/19

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.005+/-0.005 χ^2/NDF: 32.0/40

All: -0.002+/-0.004 χ^2/NDF: 63.5/83

\- sign 0.001+/-0.005 χ^2/NDF: 30.7/42



Right In: 27.390+/-0.008 χ^2/NDF: 1572997.6/16

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

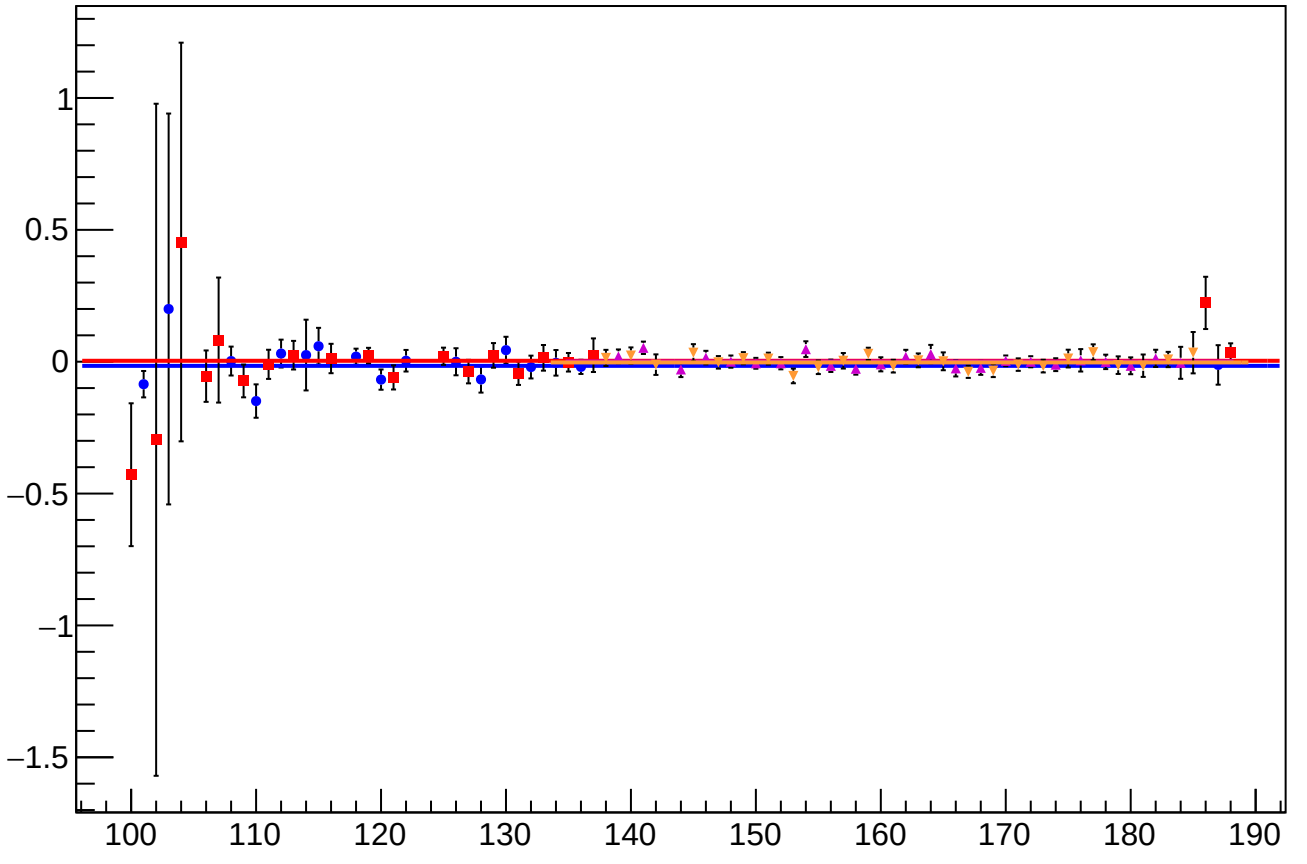
Right Out: 27.600+/-0.008 χ^2/NDF: 2932119.1/19

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.354+/-0.004 χ^2/NDF: 2700447.3/40

All: 22.822+/-0.003 χ^2/NDF: 7027168.0/83

- sign 22.324+/-0.003 χ^2/NDF: 4284368.4/42



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

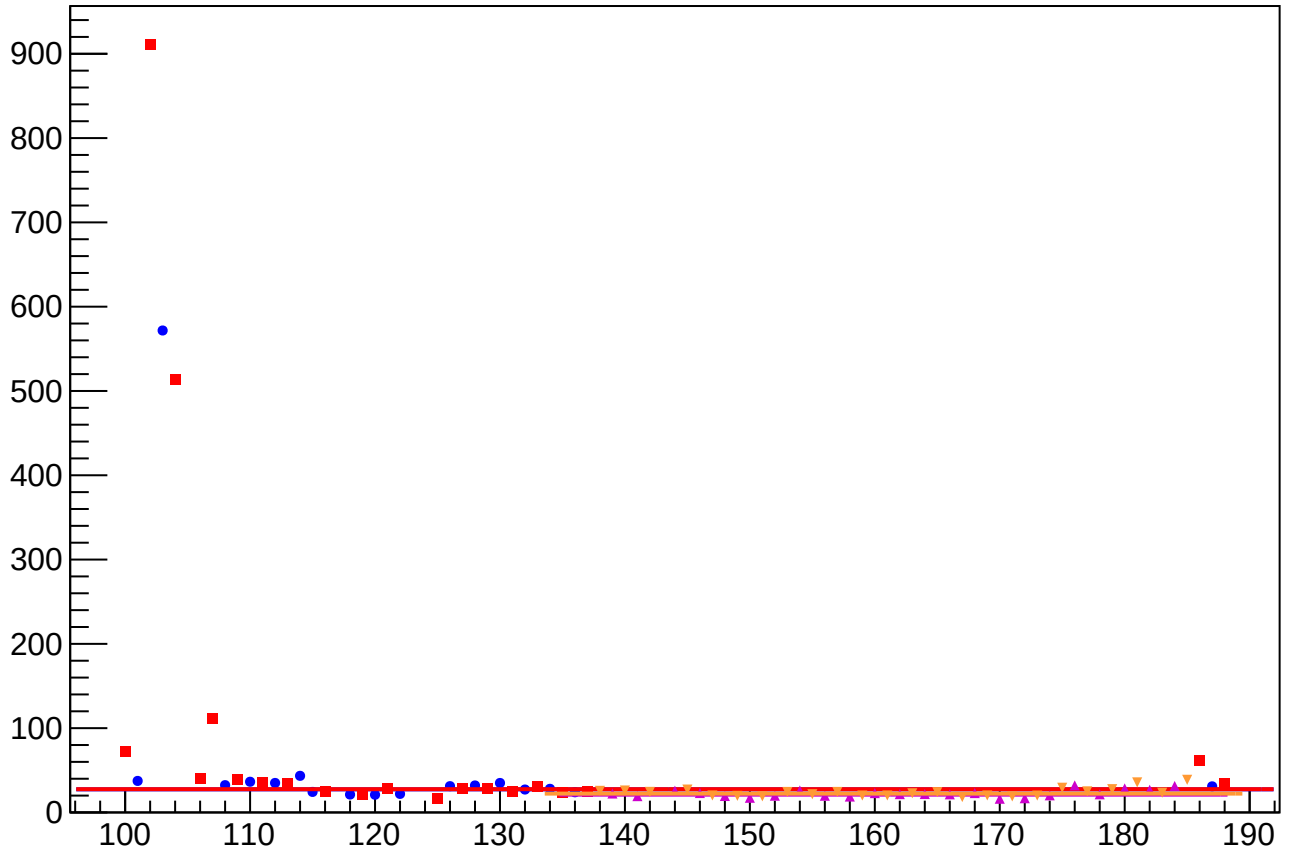
Right Out: 0.003+/-0.011 χ^2/NDF: 15.7/19

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.005+/-0.005 χ^2/NDF: 32.0/40

All: -0.002+/-0.004 χ^2/NDF: 63.5/83

\- sign 0.001+/-0.005 χ^2/NDF: 30.7/42



Right In: 27.390+/-0.008 χ^2/NDF: 1572997.6/16

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

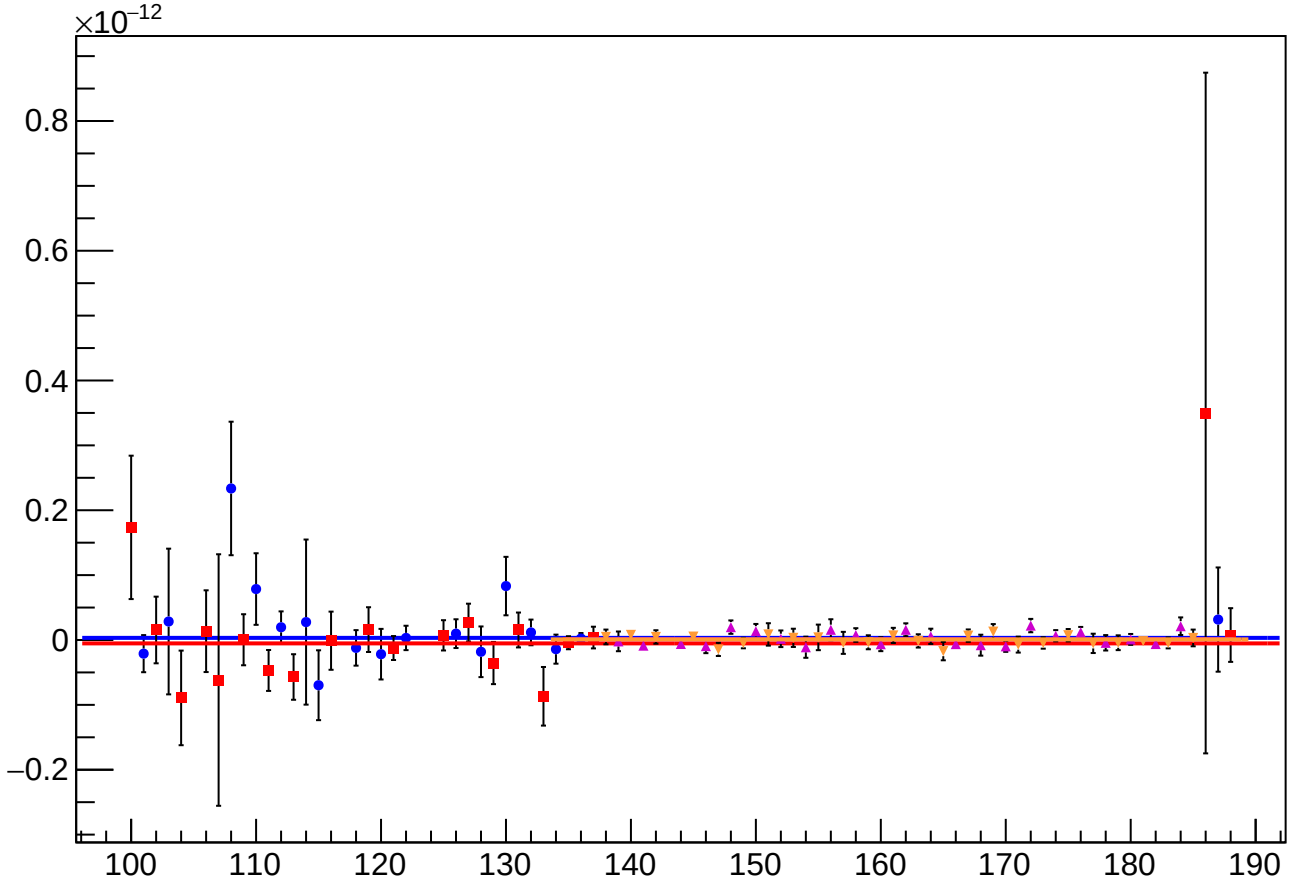
Right Out: 27.600+/-0.008 χ^2/NDF: 2932119.1/19

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.354+/-0.004 χ^2/NDF: 2700447.3/40

All: 22.822+/-0.003 χ^2/NDF: 7027168.0/83

- sign 22.324+/-0.003 χ^2/NDF: 4284368.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

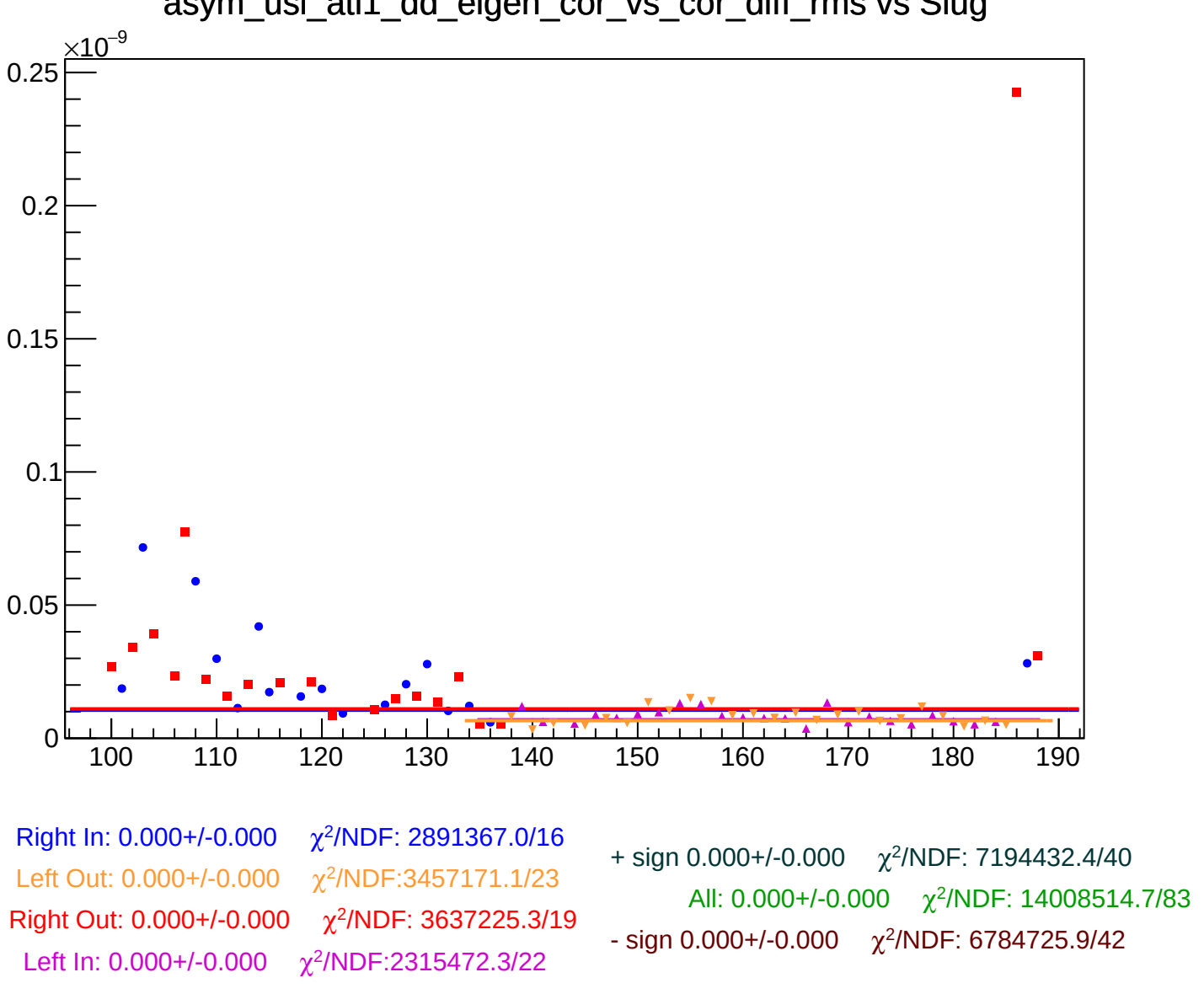
Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/19

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

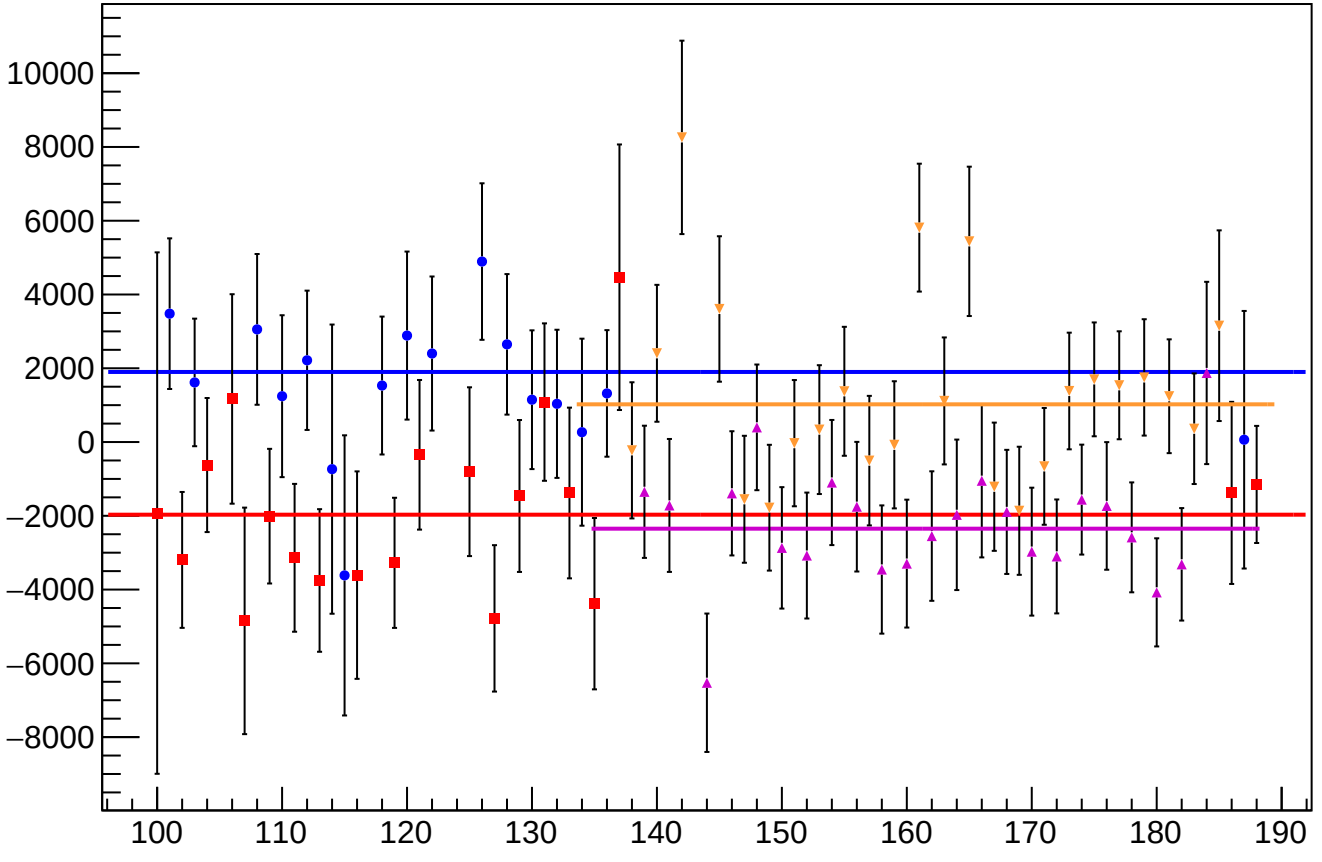
+ sign 0.000+/-0.000 χ^2/NDF: 26.9/40

All: 0.000+/-0.000 χ^2/NDF: 69.6/83

- sign 0.000+/-0.000 χ^2/NDF: 42.7/42


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2891367.0/16
Left Out: 0.000+/-0.000 χ²/NDF:3457171.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 3637225.3/19
Left In: 0.000+/-0.000 χ²/NDF:2315472.3/22
+ sign 0.000+/-0.000 χ²/NDF: 7194432.4/40
All: 0.000+/-0.000 χ²/NDF: 14008514.7/83
- sign 0.000+/-0.000 χ²/NDF: 6784725.9/42

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1899.881+/-516.432 χ^2/NDF: 7.2/16

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -1969.928+/-484.216 χ^2/NDF: 14.8/19

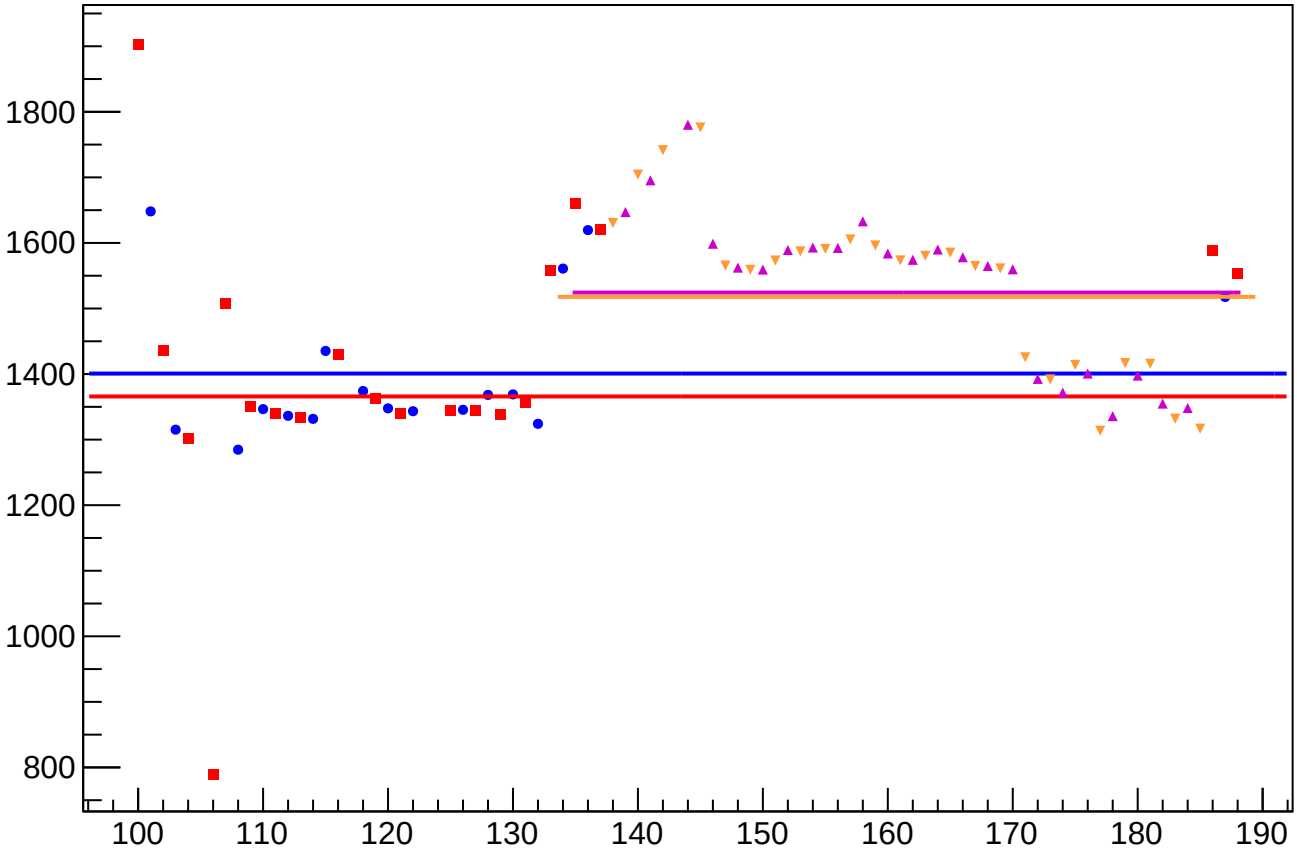
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1302.459+/-291.683 χ^2/NDF: 45.6/40

All: -482.705+/-204.713 χ^2/NDF: 150.7/83

- sign -2215.598+/-287.381 χ^2/NDF: 31.2/42

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1400.774+/-0.365 χ^2/NDF: 96213.1/16

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

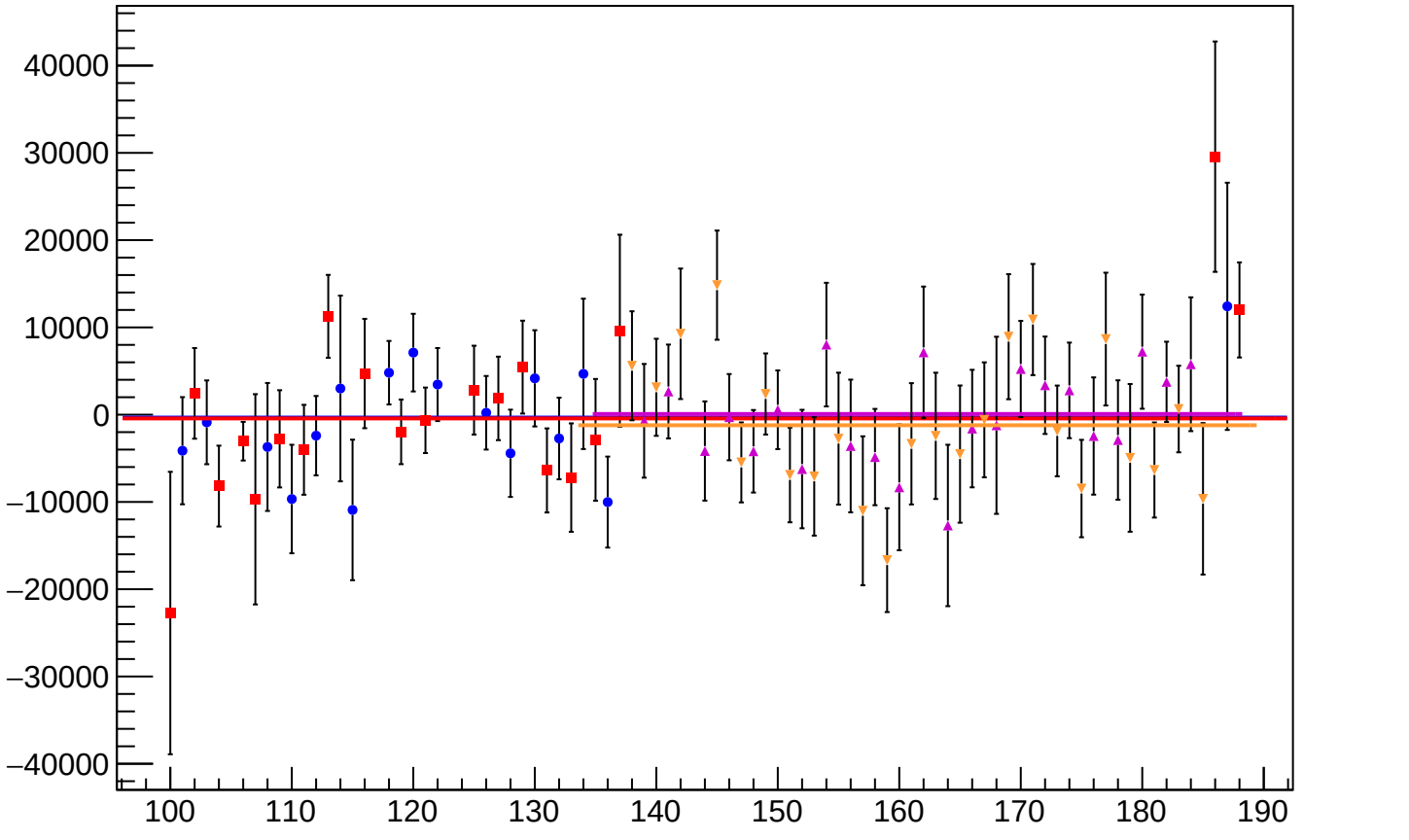
Right Out: 1365.845+/-0.333 χ^2/NDF: 367894.9/19

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1480.479+/-0.206 χ^2/NDF: 400127.6/40

All: 1473.303+/-0.144 χ^2/NDF: 1138485.7/83

- sign 1466.474+/-0.201 χ^2/NDF: 735995.9/42



Right In: -334.405+/-1290.526 χ^2/NDF: 16.7/16

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -430.248+/-1093.184 χ^2/NDF: 30.5/19

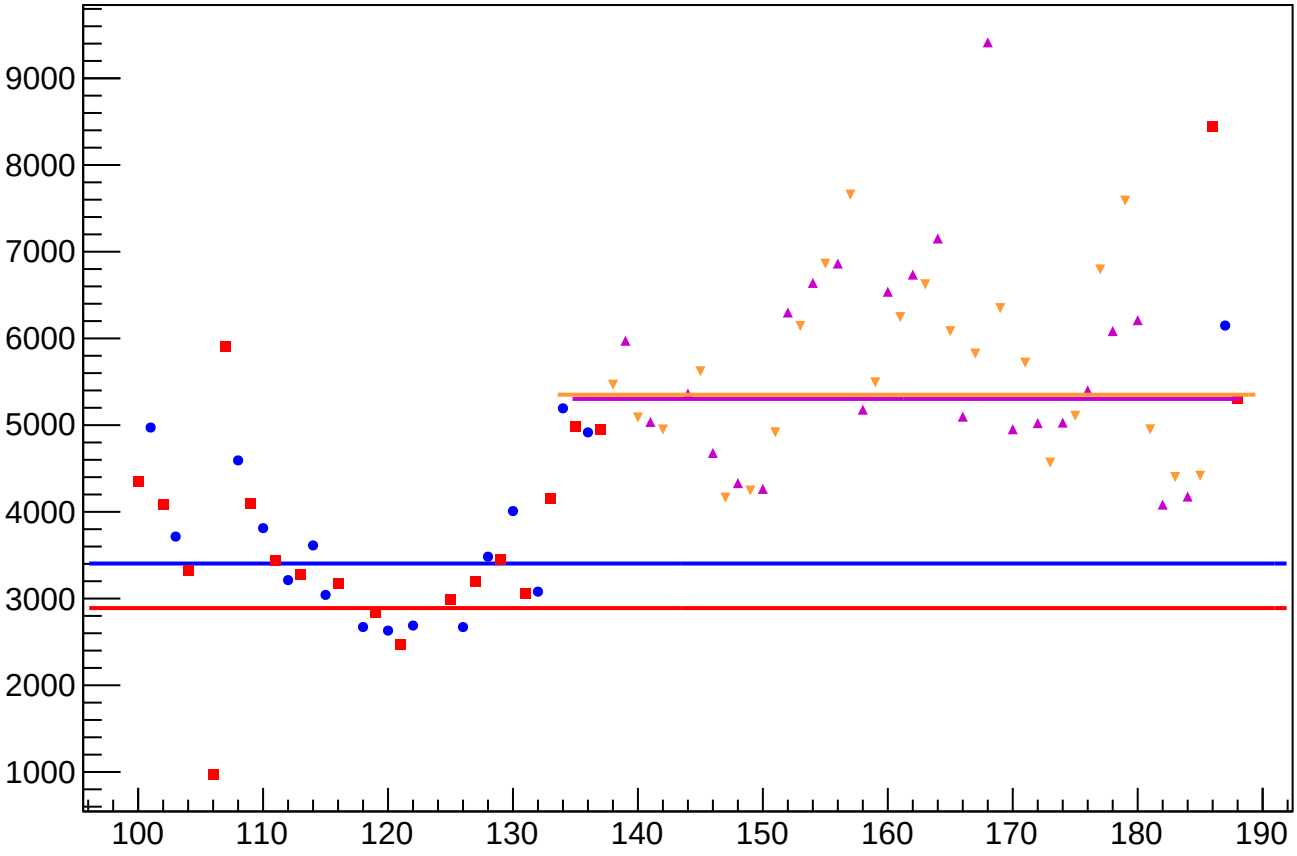
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -780.765+/-904.585 χ^2/NDF: 50.2/40

All: -470.731+/-610.341 χ^2/NDF: 94.2/83

- sign -211.637+/-826.937 χ^2/NDF: 43.8/42

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3404.089+/-0.913 χ^2/NDF: 832855.3/16

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 2890.378+/-0.773 χ^2/NDF: 3043837.9/19

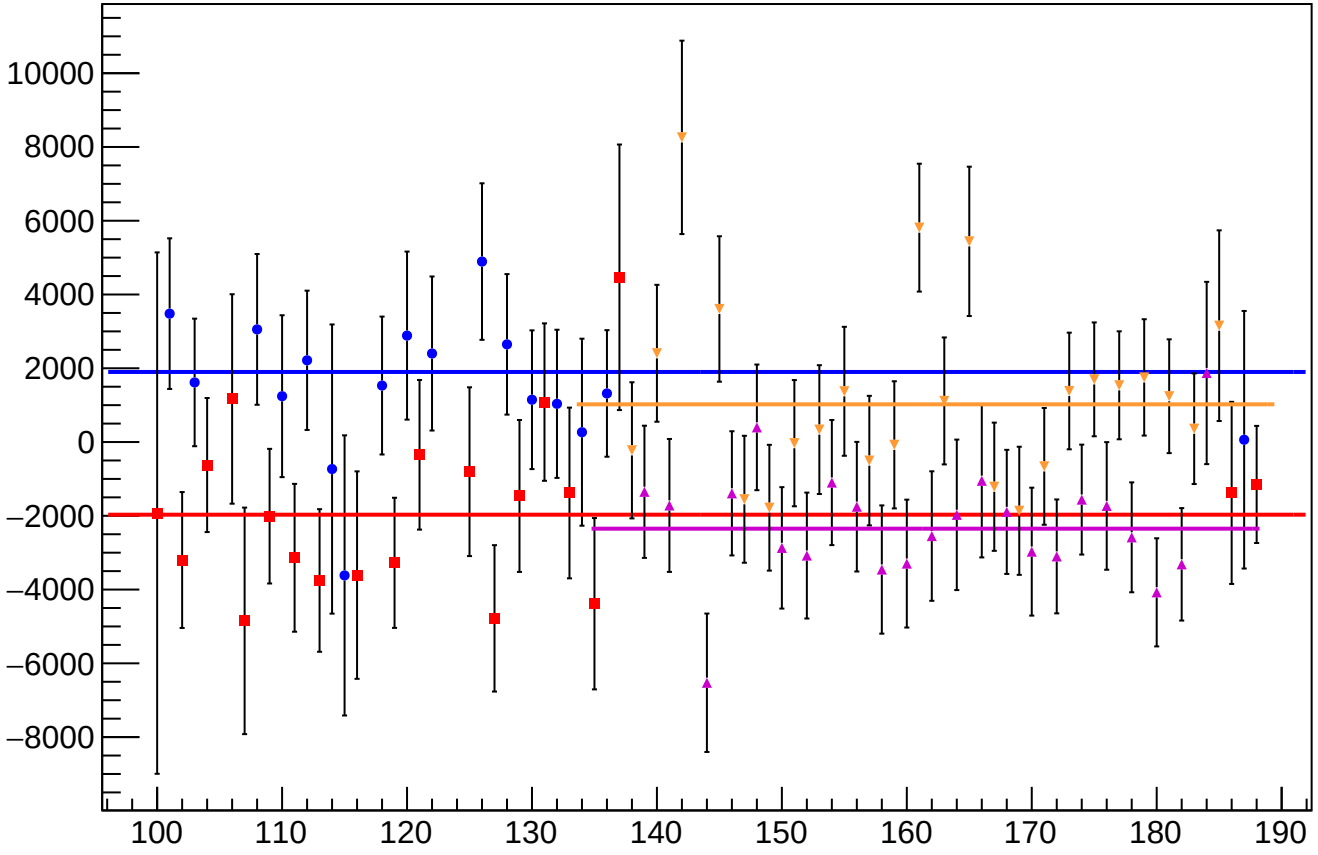
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4394.507+/-0.640 χ^2/NDF: 4214636.7/40

All: 4137.169+/-0.432 χ^2/NDF: 12976331.9/8

- sign 3922.115+/-0.585 χ^2/NDF: 8464571.5/42

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1899.928+/-516.432 χ^2/NDF: 7.2/16

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -1970.117+/-484.218 χ^2/NDF: 14.9/19

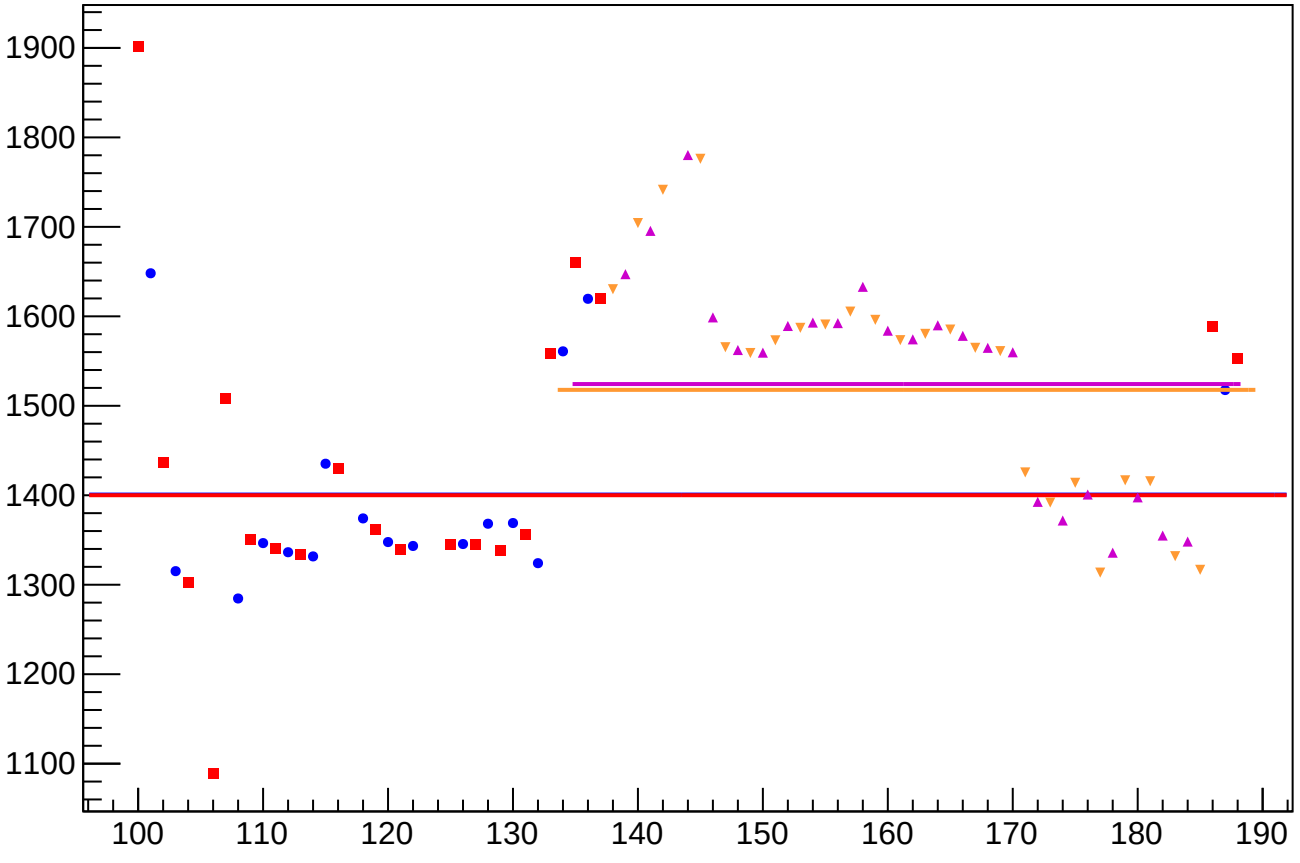
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1302.494+/-291.683 χ^2/NDF: 45.6/40

All: -482.717+/-204.713 χ^2/NDF: 150.7/83

- sign -2215.663+/-287.382 χ^2/NDF: 31.2/42

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1400.774+/-0.365 χ^2/NDF: 96213.1/16

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1400.055+/-0.338 χ^2/NDF: 148534.5/19

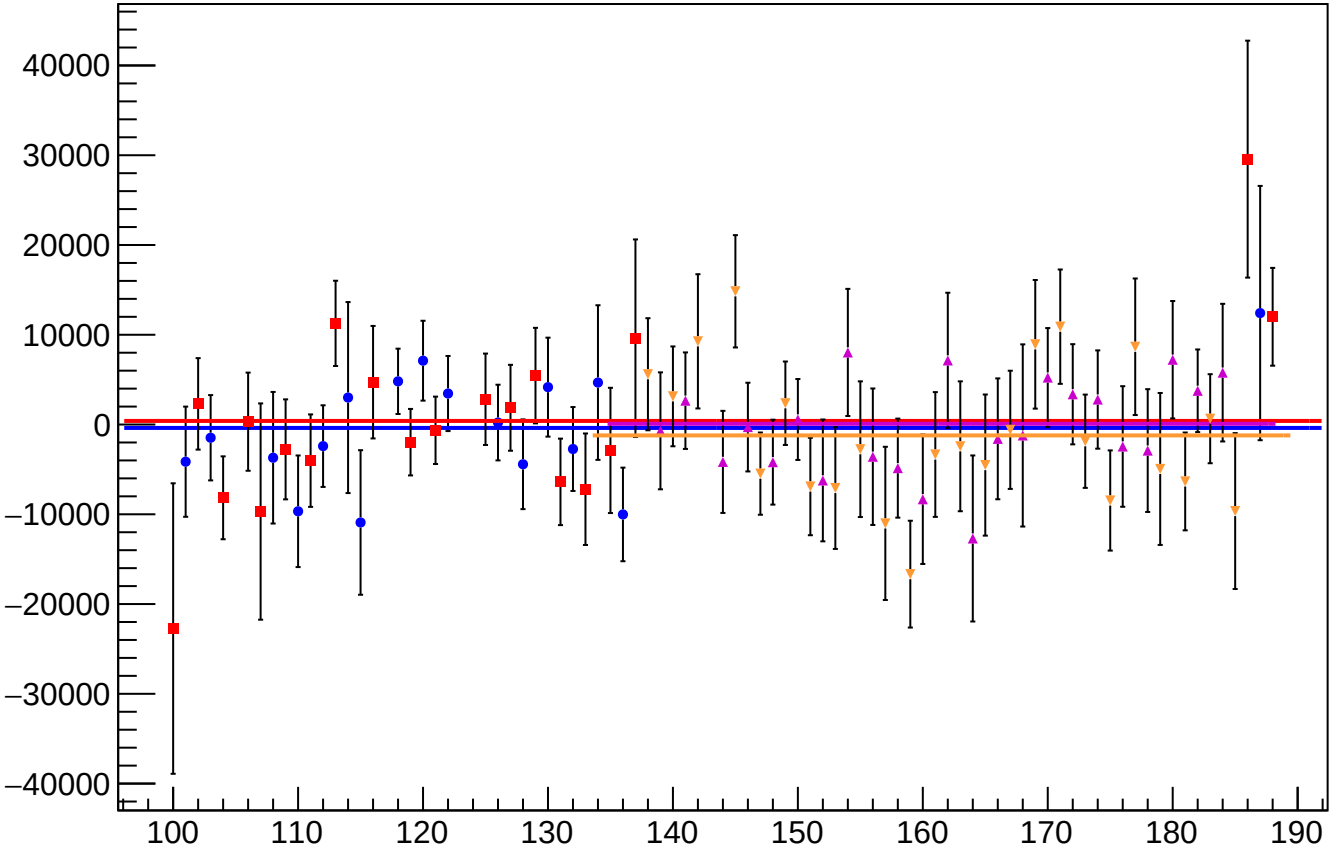
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1480.479+/-0.206 χ^2/NDF: 400127.7/40

All: 1480.175+/-0.144 χ^2/NDF: 859592.6/83

- sign 1479.883+/-0.202 χ^2/NDF: 459460.6/42

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -379.614+/-1289.553 χ^2/NDF: 16.8/16

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

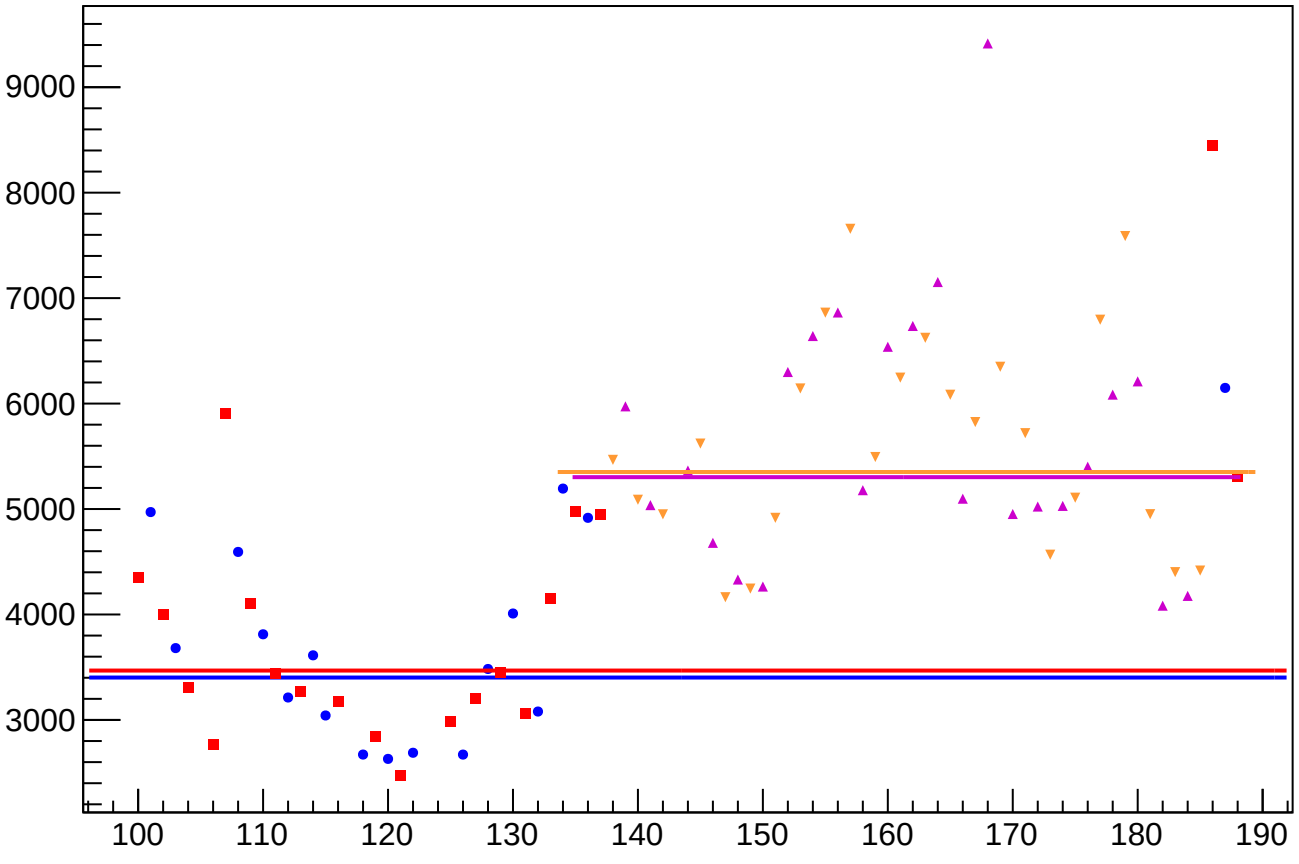
Right Out: 399.703+/-1223.520 χ^2/NDF: 28.6/19

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -802.661+/-904.250 χ^2/NDF: 50.2/40

All: -263.917+/-630.370 χ^2/NDF: 92.8/83

- sign 245.427+/-879.231 χ^2/NDF: 41.9/42



Right In: 3402.064+/-0.912 χ^2/NDF: 831159.4/16

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3468.329+/-0.865 χ^2/NDF: 1081534.0/19

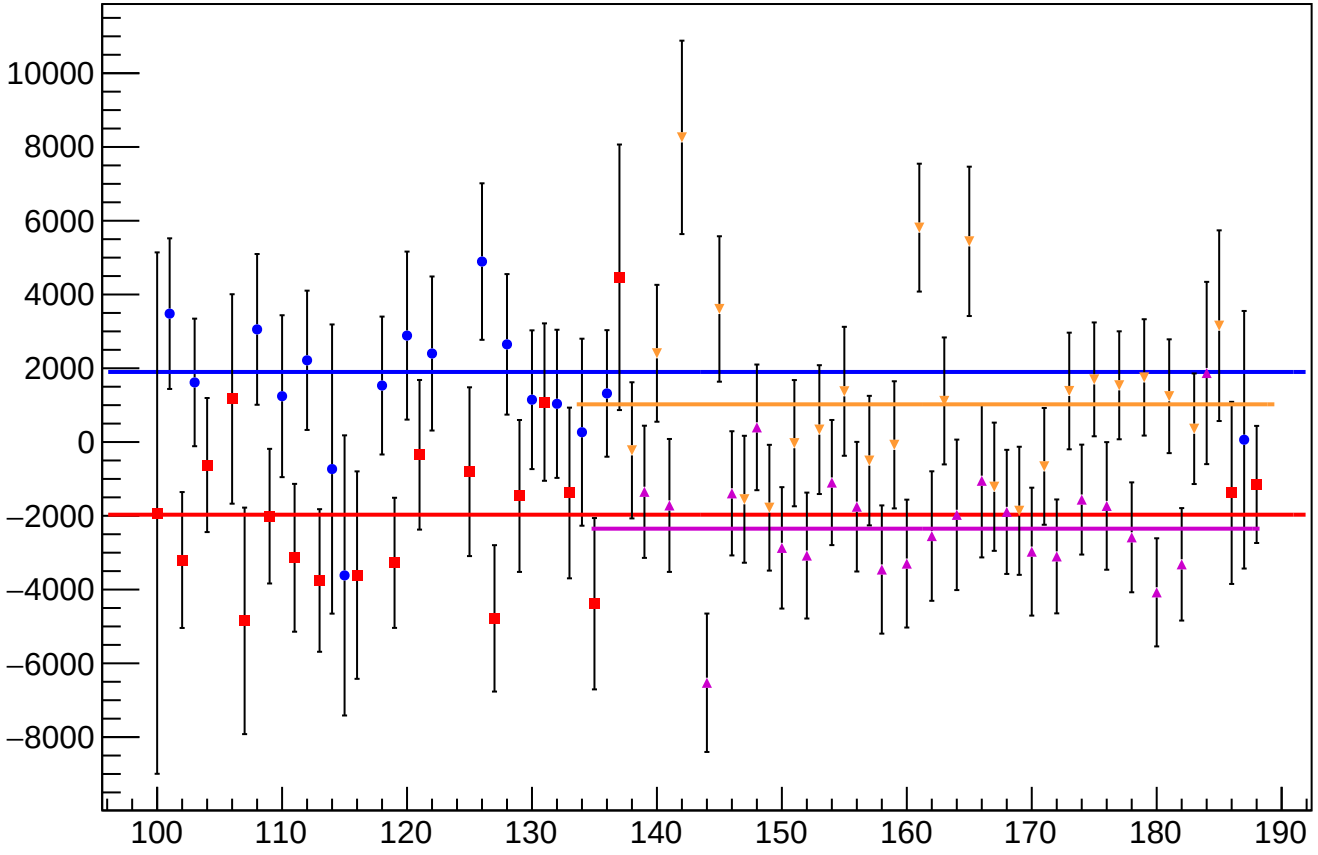
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4392.779+/-0.639 χ^2/NDF: 4219546.2/40

All: 4373.453+/-0.446 χ^2/NDF: 8731999.4/83

- sign 4355.182+/-0.622 χ^2/NDF: 4510676.0/42

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1899.928+/-516.432 χ^2/NDF: 7.2/16

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -1970.117+/-484.218 χ^2/NDF: 14.9/19

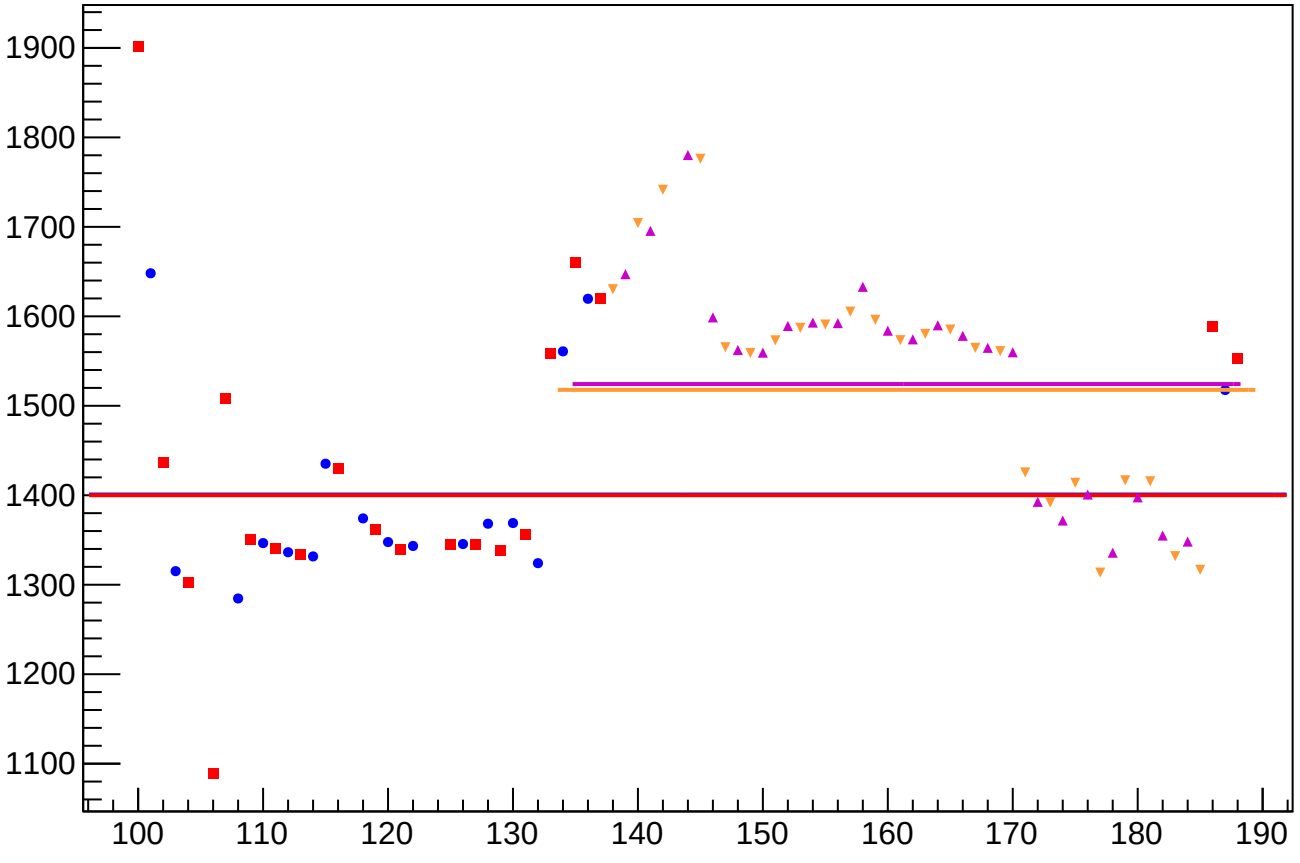
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1302.494+/-291.683 χ^2/NDF: 45.6/40

All: -482.717+/-204.713 χ^2/NDF: 150.7/83

- sign -2215.663+/-287.382 χ^2/NDF: 31.2/42

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1400.774+/-0.365 χ^2/NDF: 96213.1/16

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

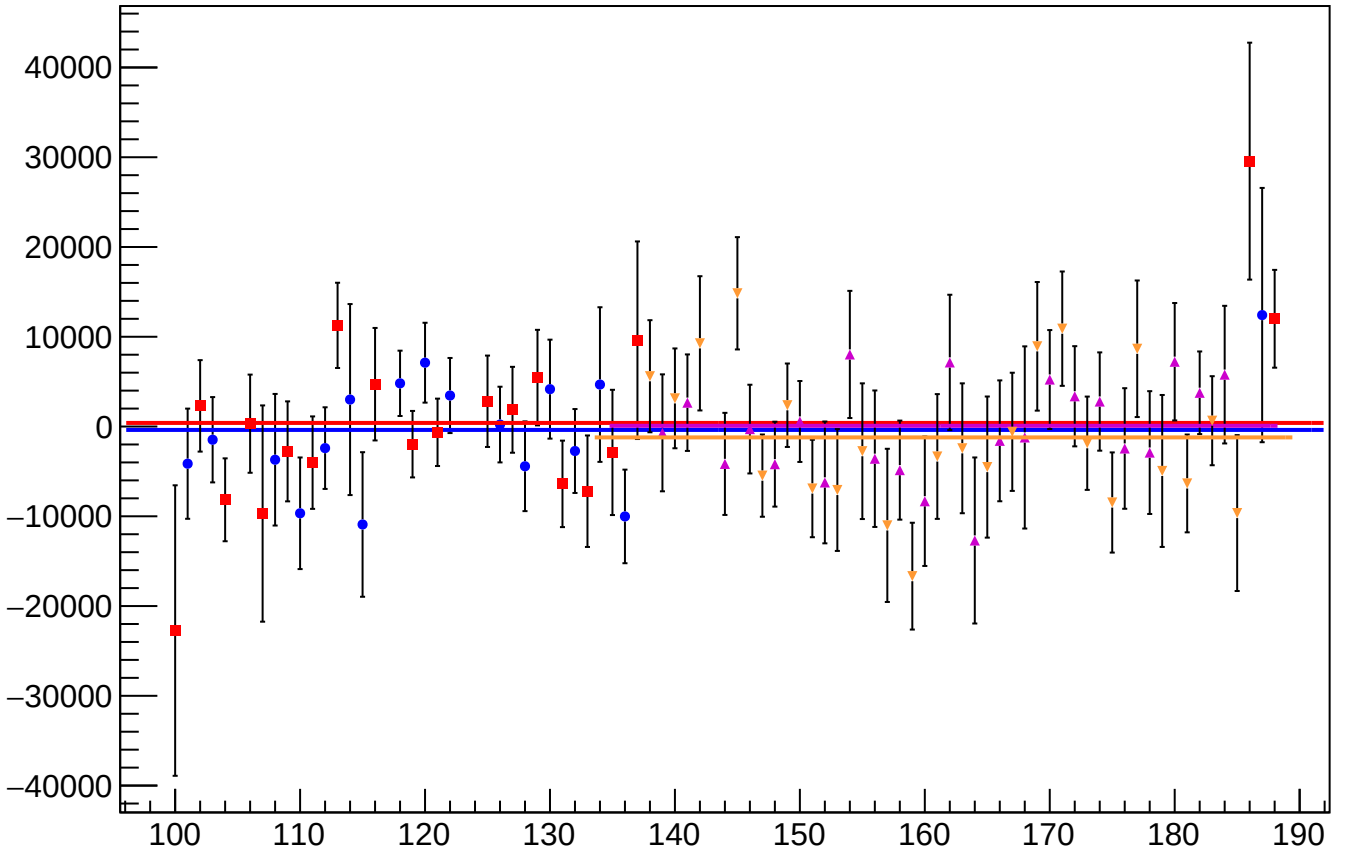
Right Out: 1400.055+/-0.338 χ^2/NDF: 148534.5/19

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1480.479+/-0.206 χ^2/NDF: 400127.7/40

All: 1480.175+/-0.144 χ^2/NDF: 859592.6/83

- sign 1479.883+/-0.202 χ^2/NDF: 459460.6/42



Right In: -379.614+/-1289.553 χ^2/NDF: 16.8/16

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

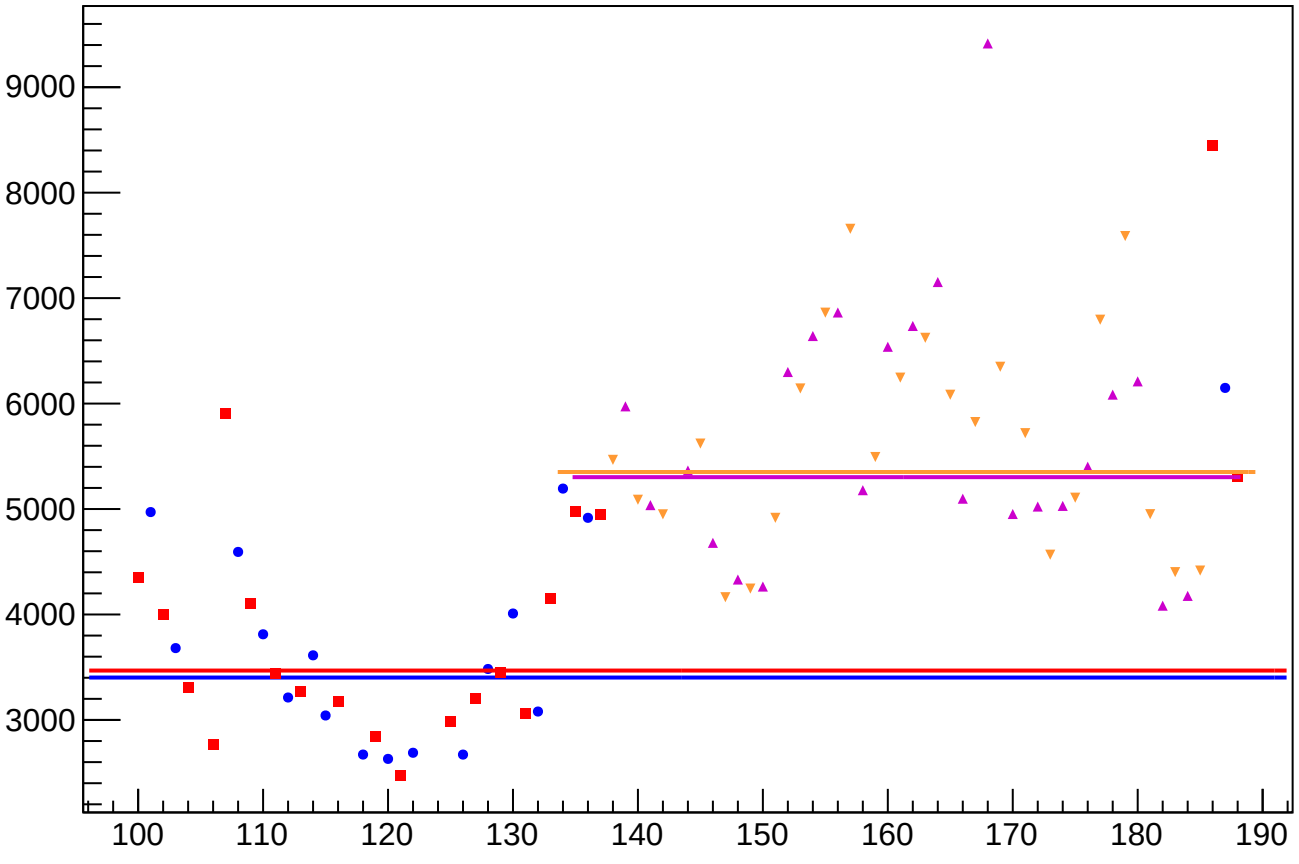
Right Out: 399.703+/-1223.520 χ^2/NDF: 28.6/19

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -802.661+/-904.250 χ^2/NDF: 50.2/40

All: -263.917+/-630.370 χ^2/NDF: 92.8/83

- sign 245.427+/-879.231 χ^2/NDF: 41.9/42



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Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3468.329+/-0.865 χ^2/NDF: 1081534.0/19

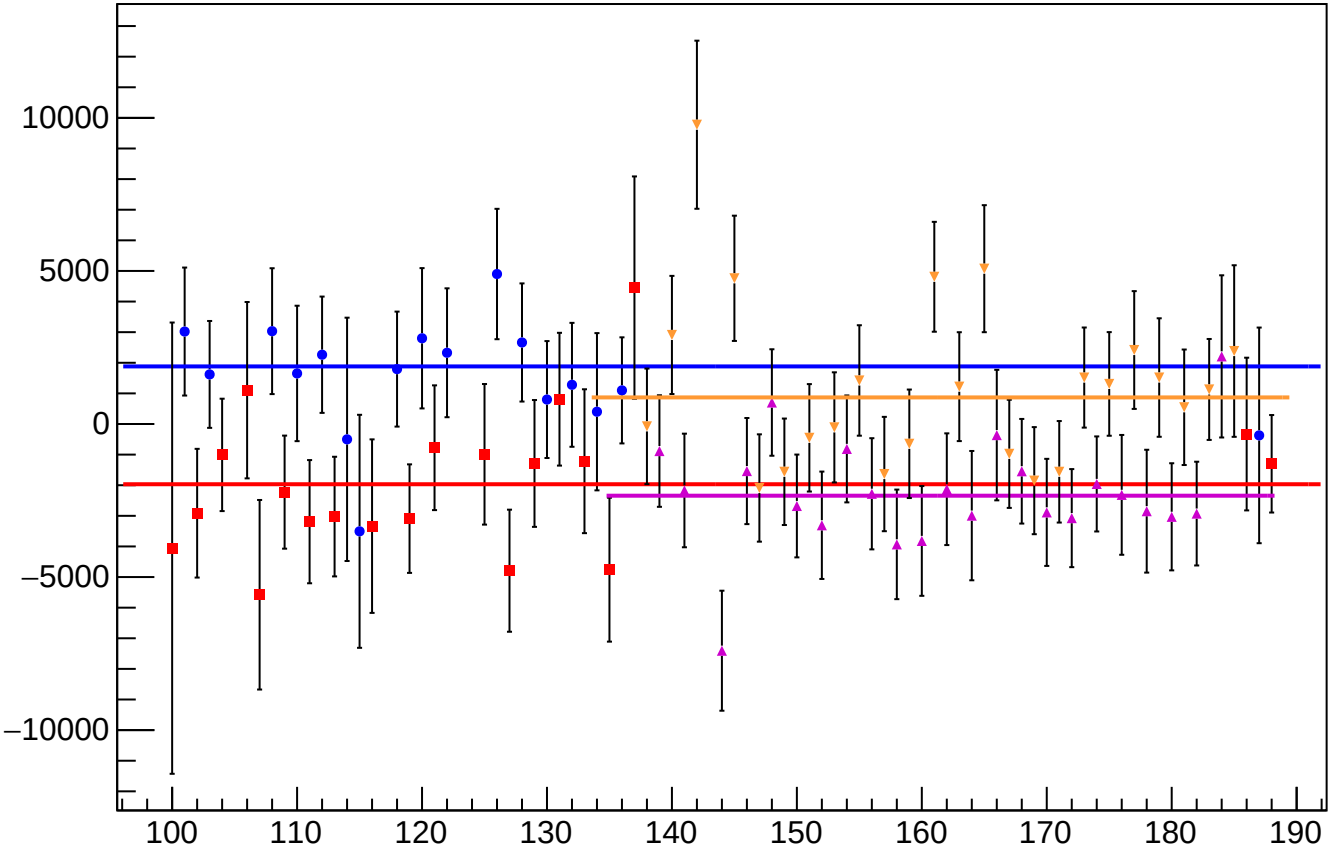
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4392.779+/-0.639 χ^2/NDF: 4219546.2/40

All: 4373.453+/-0.446 χ^2/NDF: 8731999.4/83

- sign 4355.182+/-0.622 χ^2/NDF: 4510676.0/42

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1881.080+/-521.330 χ^2/NDF: 6.8/16

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -1967.816+/-491.995 χ^2/NDF: 13.9/19

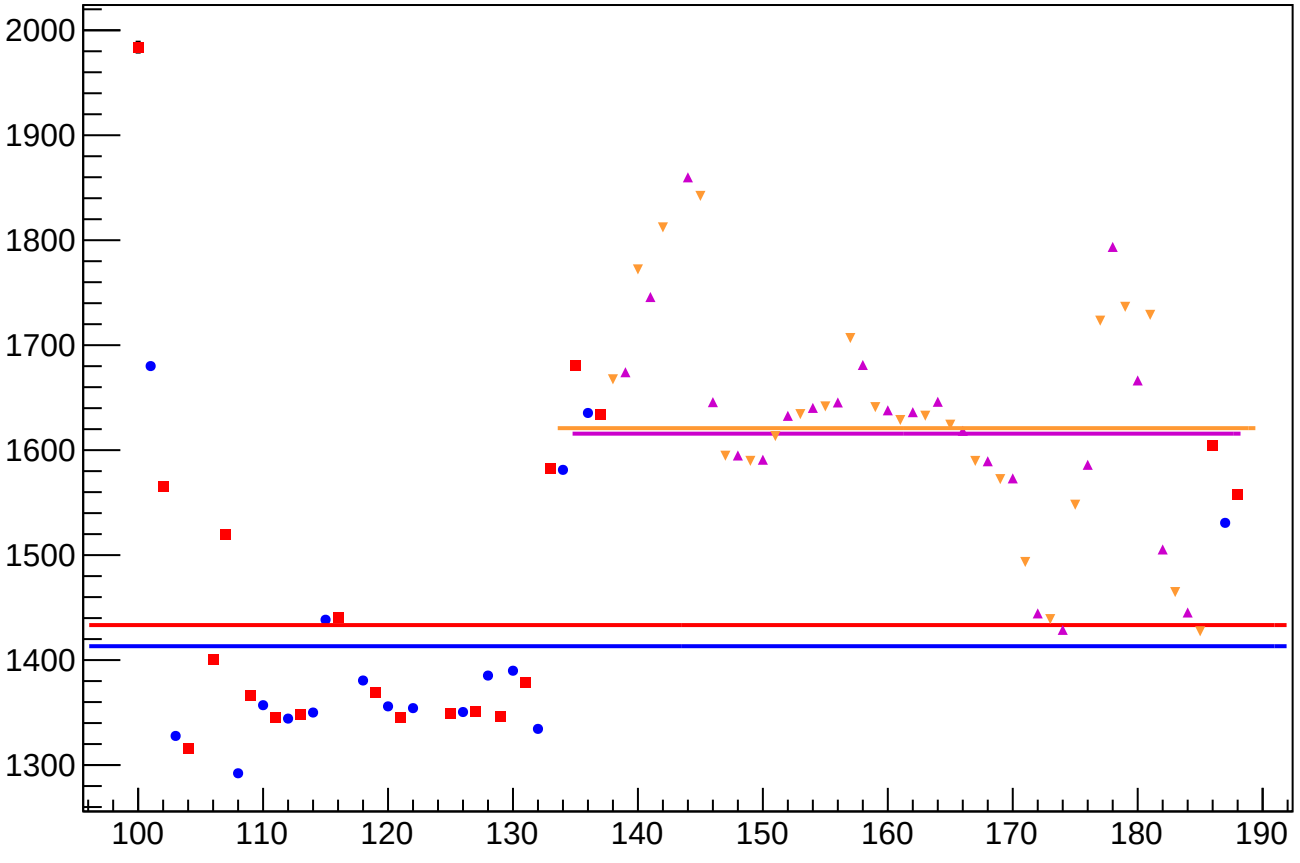
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1216.359+/-305.587 χ^2/NDF: 49.0/40

All: -526.110+/-214.008 χ^2/NDF: 145.1/83

- sign -2203.248+/-299.803 χ^2/NDF: 32.3/42

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1413.227+/-0.369 χ^2/NDF: 101425.6/16

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

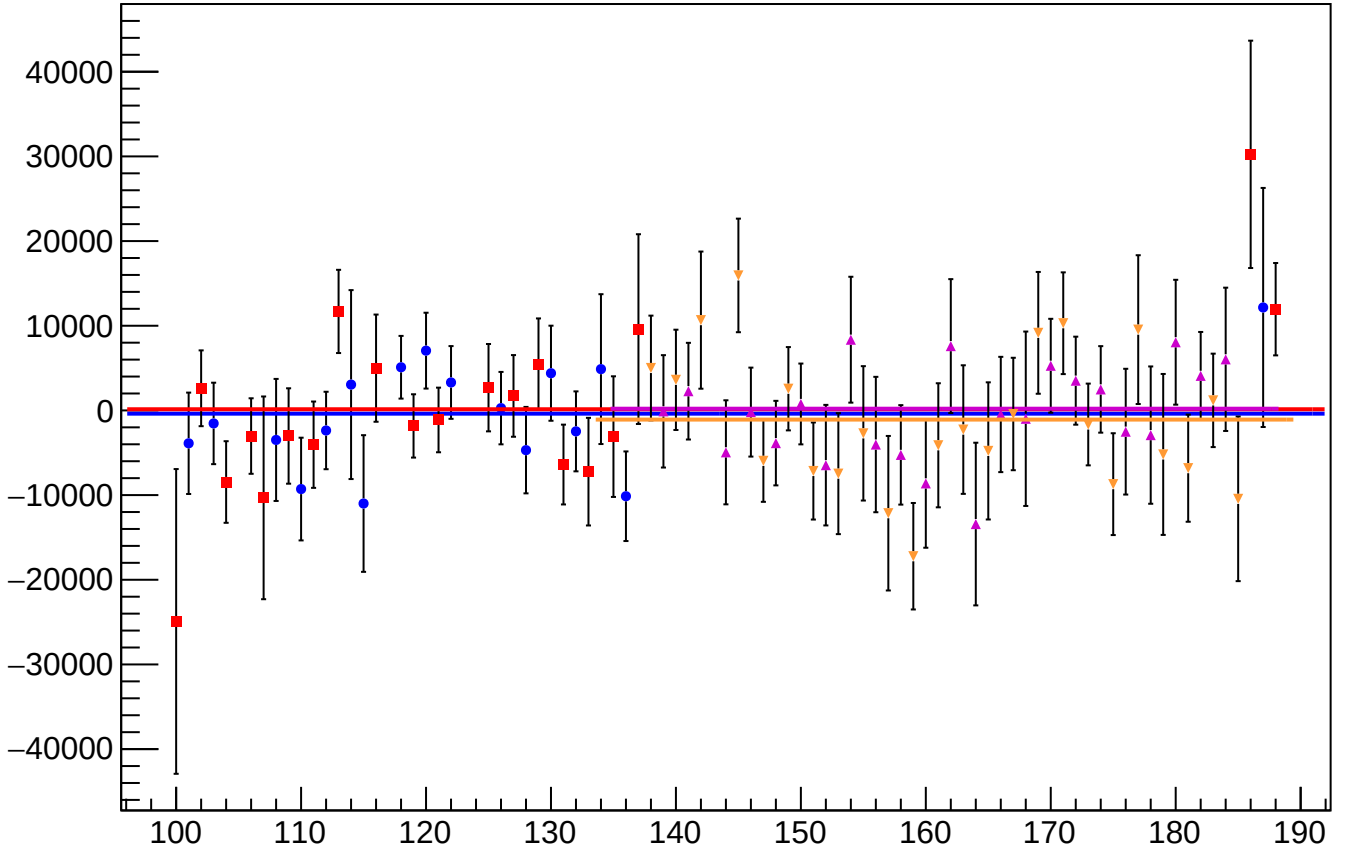
Right Out: 1433.346+/-0.347 χ^2/NDF: 114590.4/19

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1549.575+/-0.216 χ^2/NDF: 451824.9/40

All: 1548.666+/-0.151 χ^2/NDF: 876830.5/83

- sign 1547.794+/-0.212 χ^2/NDF: 424971.0/42



Right In: -381.647+/-1303.105 χ^2/NDF: 16.6/16

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 138.112+/-1211.549 χ^2/NDF: 29.4/19

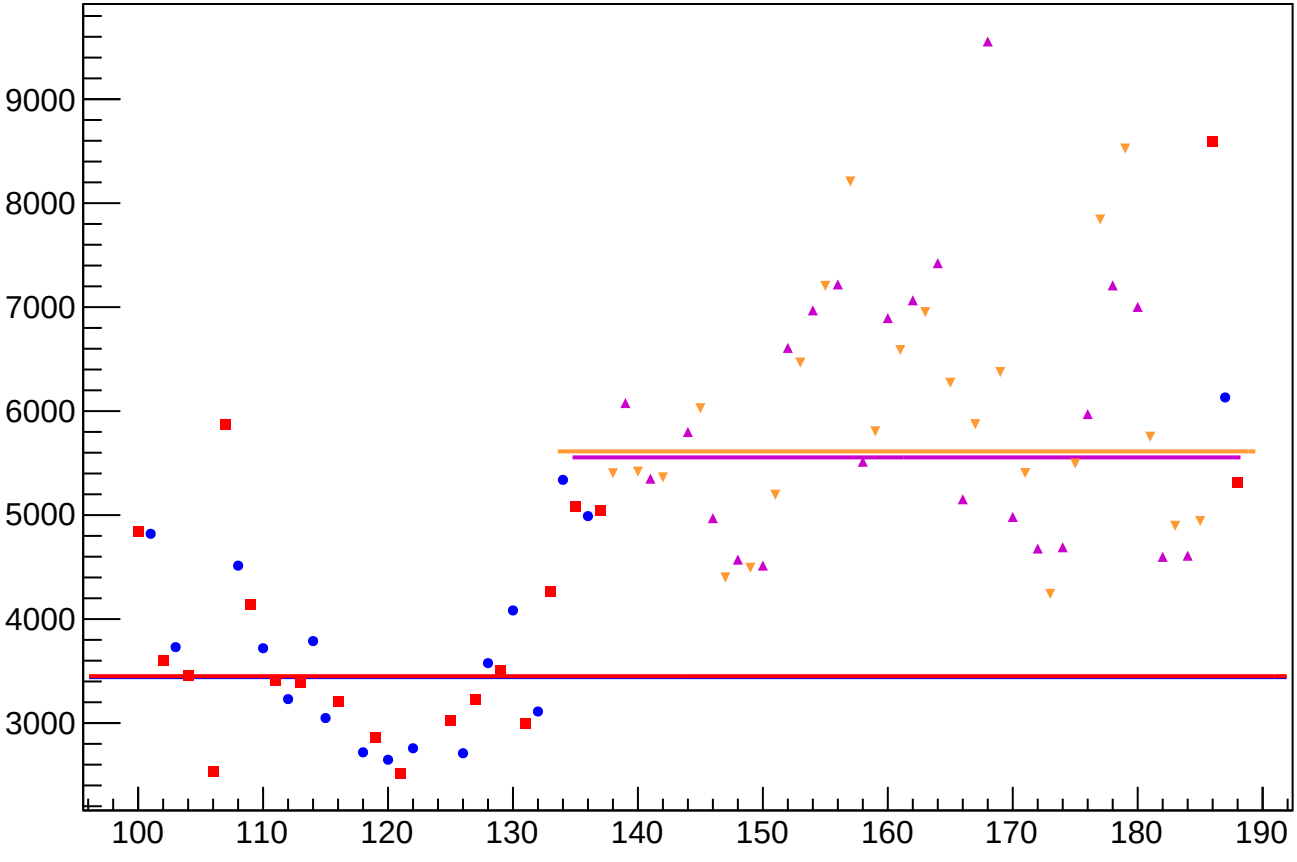
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -724.152+/-931.620 χ^2/NDF: 49.7/40

All: -260.446+/-645.223 χ^2/NDF: 92.5/83

- sign 167.022+/-894.478 χ^2/NDF: 42.3/42

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3441.813+/-0.921 χ^2/NDF: 794430.4/16

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3450.932+/-0.857 χ^2/NDF: 1123804.1/19

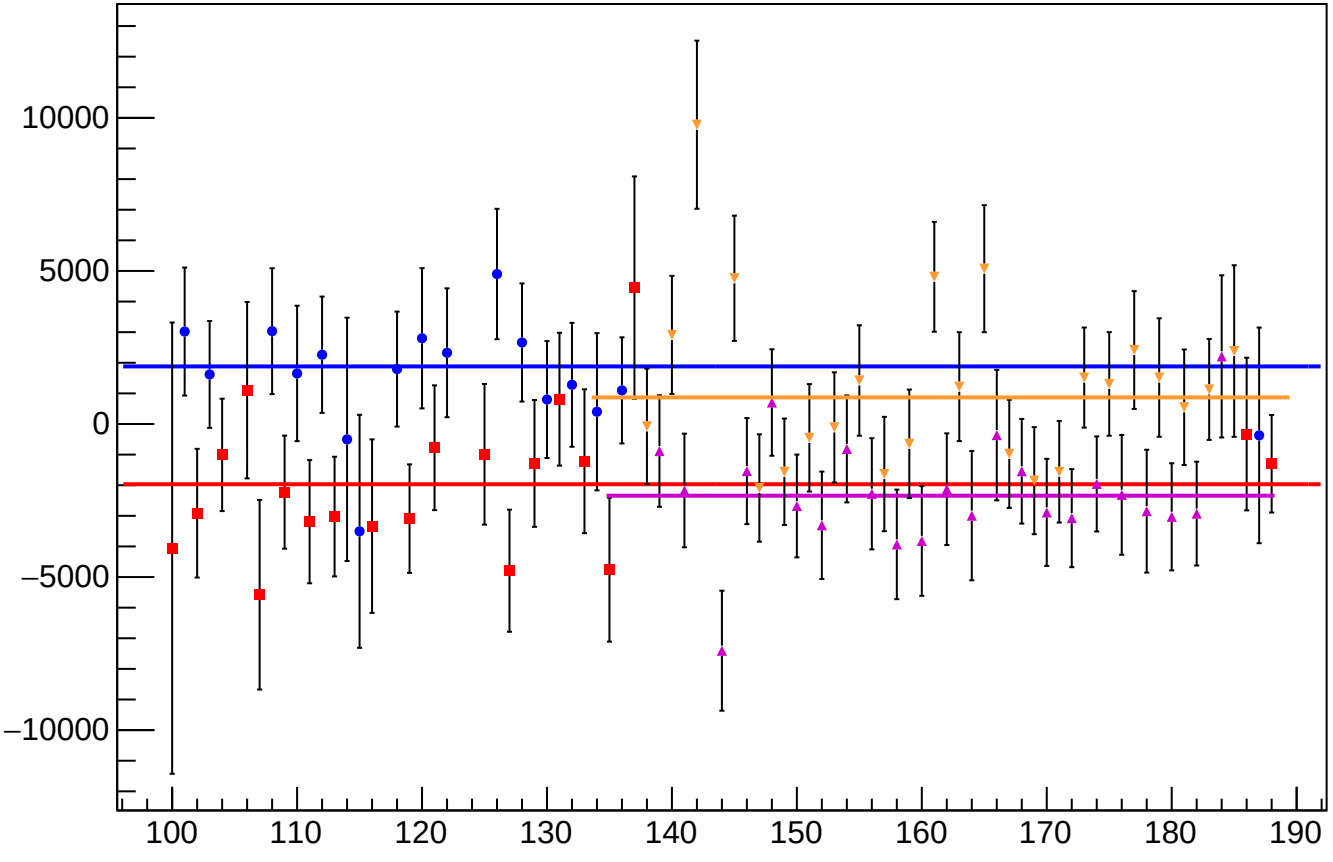
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4503.141+/-0.659 χ^2/NDF: 4696264.7/40

All: 4453.683+/-0.456 χ^2/NDF: 9907820.4/83

- sign 4408.089+/-0.632 χ^2/NDF: 5200722.6/42

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1881.082+/-521.330 χ^2/NDF: 6.8/16

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -1967.818+/-491.995 χ^2/NDF: 13.9/19

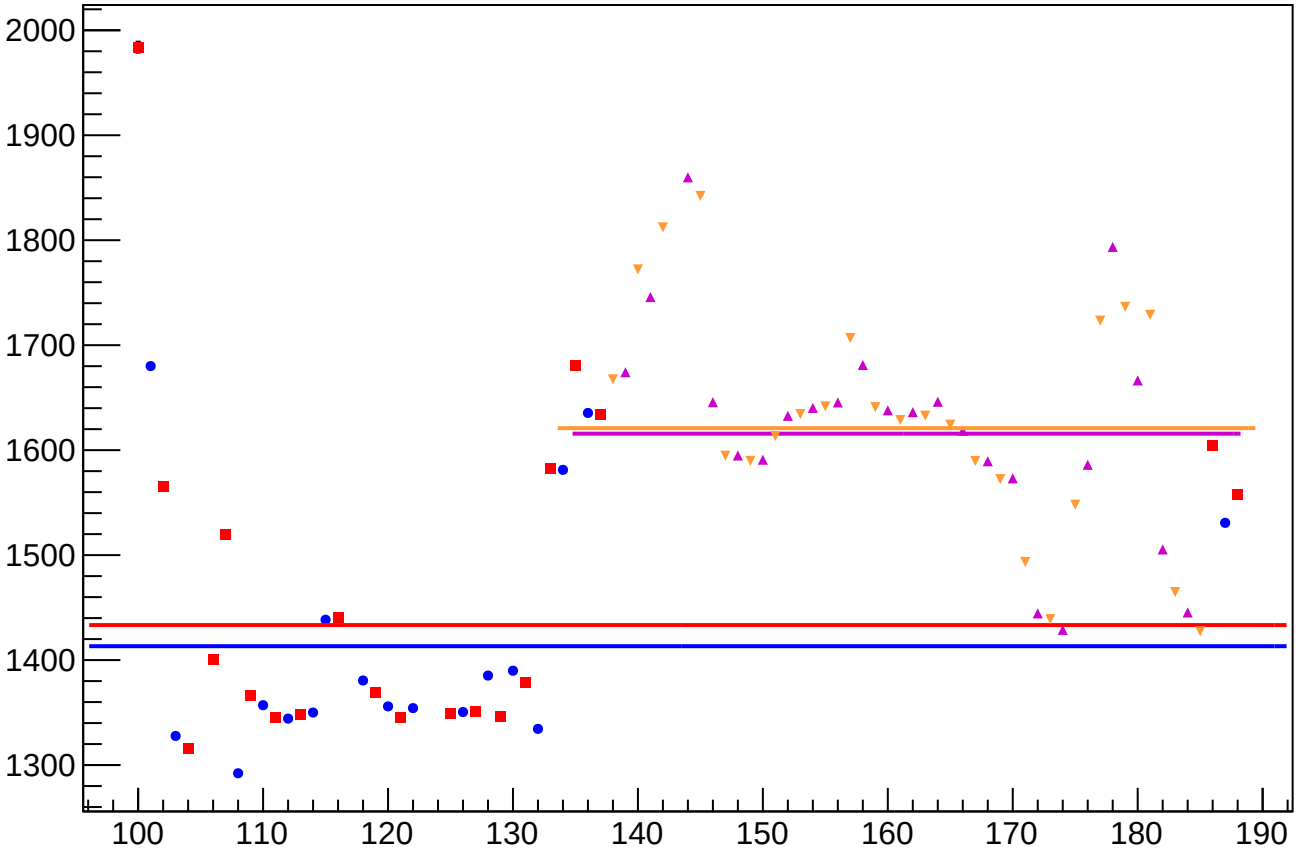
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1216.357+/-305.587 χ^2/NDF: 49.0/40

All: -526.112+/-214.009 χ^2/NDF: 145.1/83

- sign -2203.248+/-299.803 χ^2/NDF: 32.3/42

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1413.227+/-0.369 χ^2/NDF: 101425.6/16

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

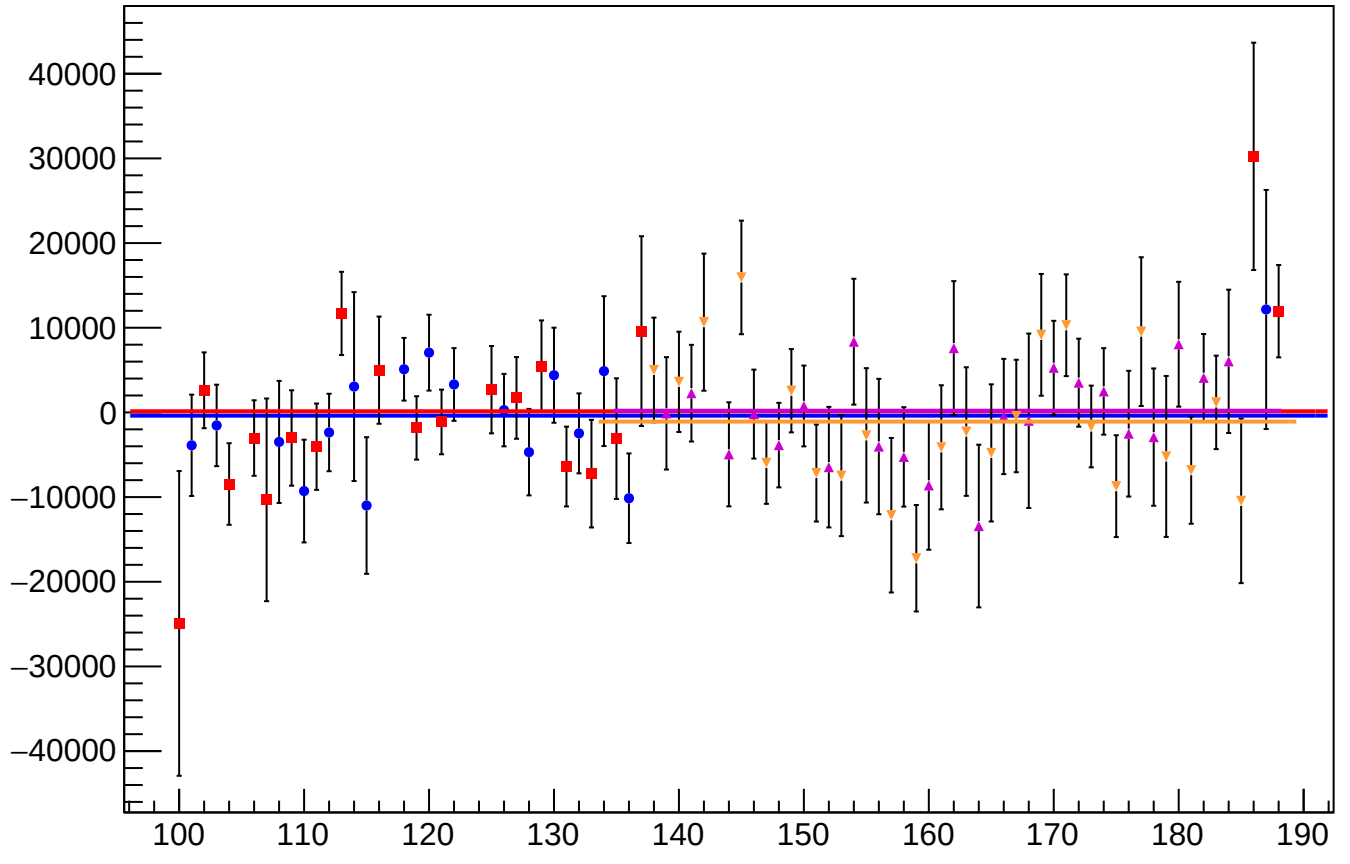
Right Out: 1433.346+/-0.347 χ^2/NDF: 114590.4/19

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1549.575+/-0.216 χ^2/NDF: 451832.0/40

All: 1548.667+/-0.151 χ^2/NDF: 876845.1/83

- sign 1547.794+/-0.212 χ^2/NDF: 424978.5/42



Right In: -381.641+/-1303.101 χ^2/NDF: 16.6/16

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

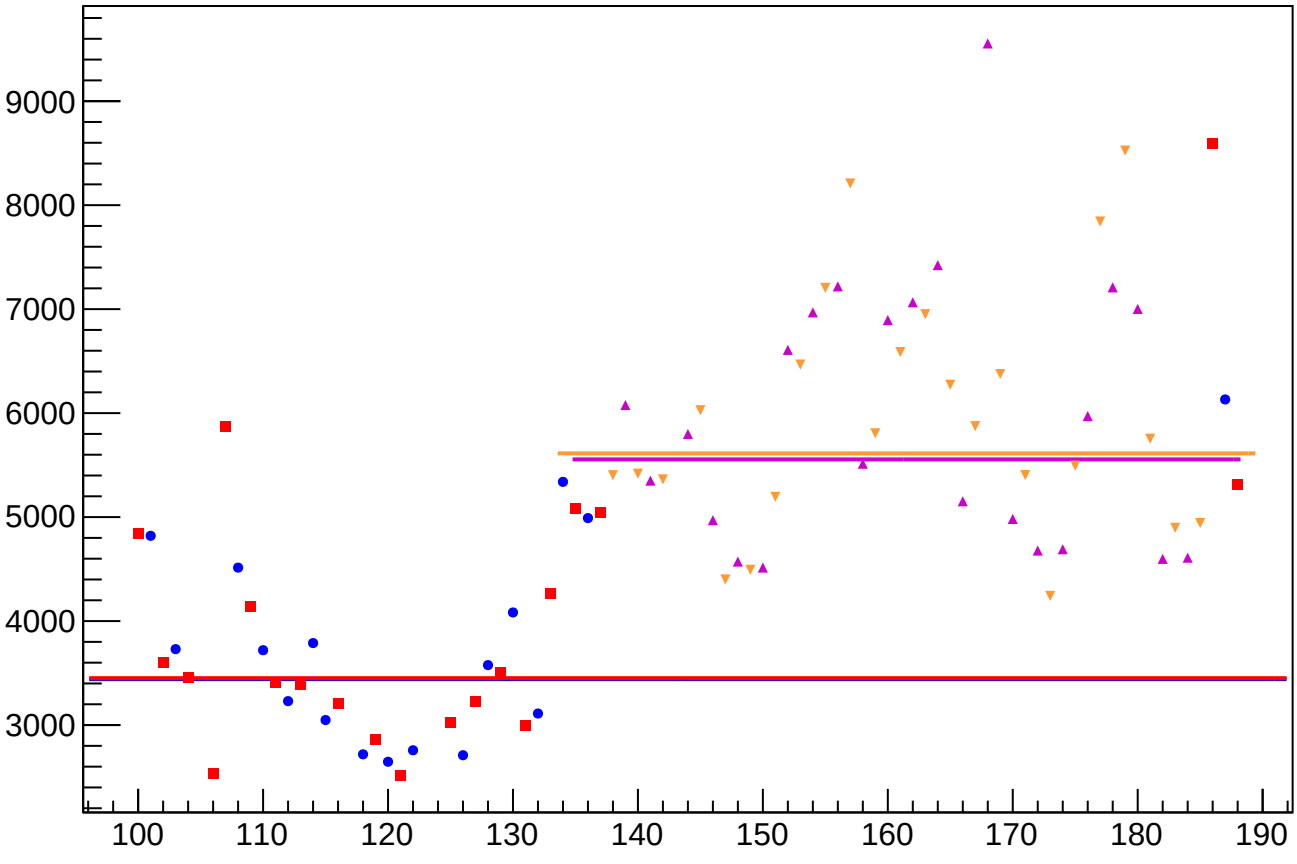
Right Out: 138.104+/-1211.546 χ^2/NDF: 29.4/19

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -724.151+/-931.619 χ^2/NDF: 49.7/40

All: -260.448+/-645.222 χ^2/NDF: 92.5/83

- sign 167.019+/-894.477 χ^2/NDF: 42.3/42



Right In: 3441.802+/-0.921 χ^2/NDF: 794439.9/16

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3450.922+/-0.857 χ^2/NDF: 1123812.4/19

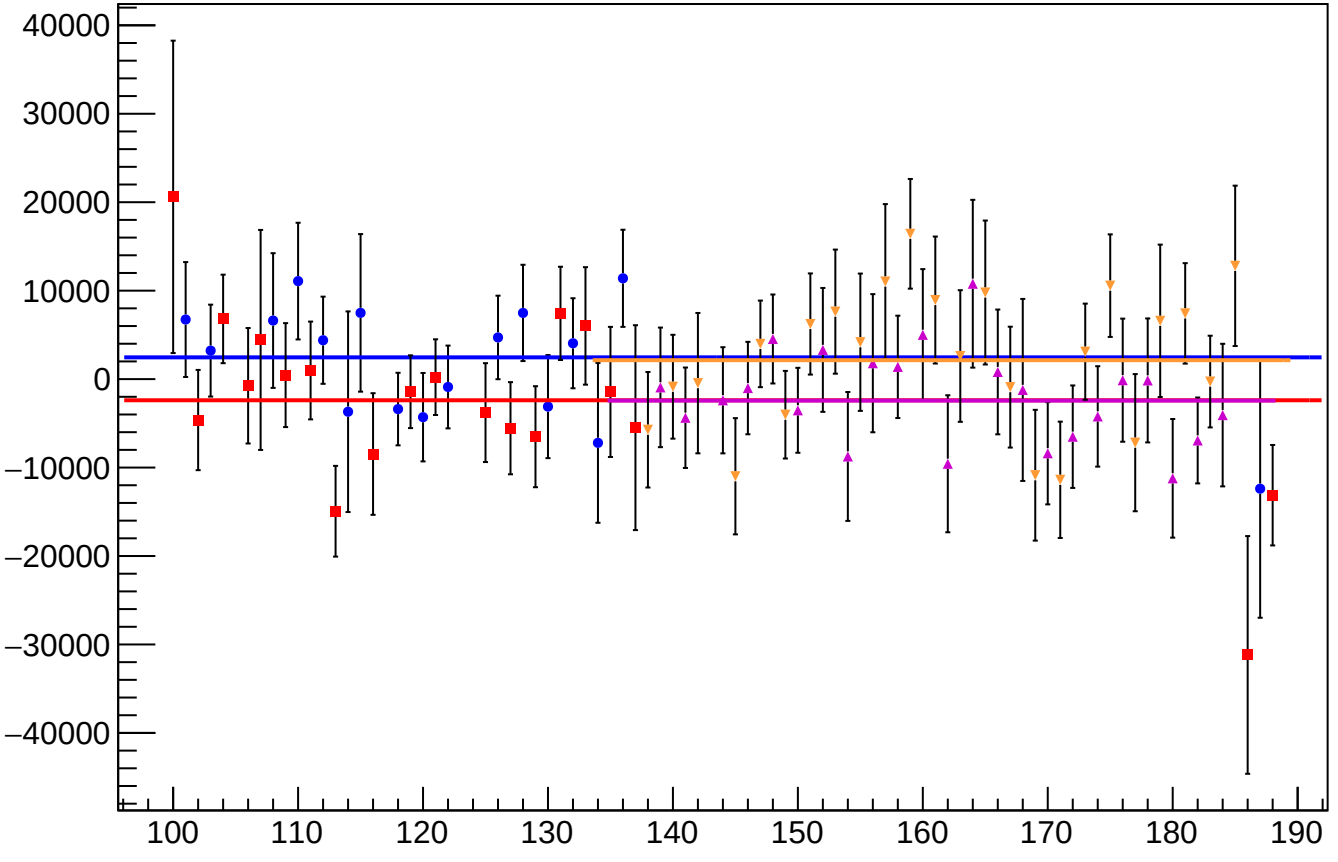
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4503.135+/-0.659 χ^2/NDF: 4696328.8/40

All: 4453.676+/-0.456 χ^2/NDF: 9907944.6/83

- sign 4408.083+/-0.632 χ^2/NDF: 5200782.7/42

asym_usl_atl2_avg_mean vs Slug



Right In: 2460.091+/-1407.899 χ^2/NDF: 14.5/16

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -2391.684+/-1336.893 χ^2/NDF: 27.7/19

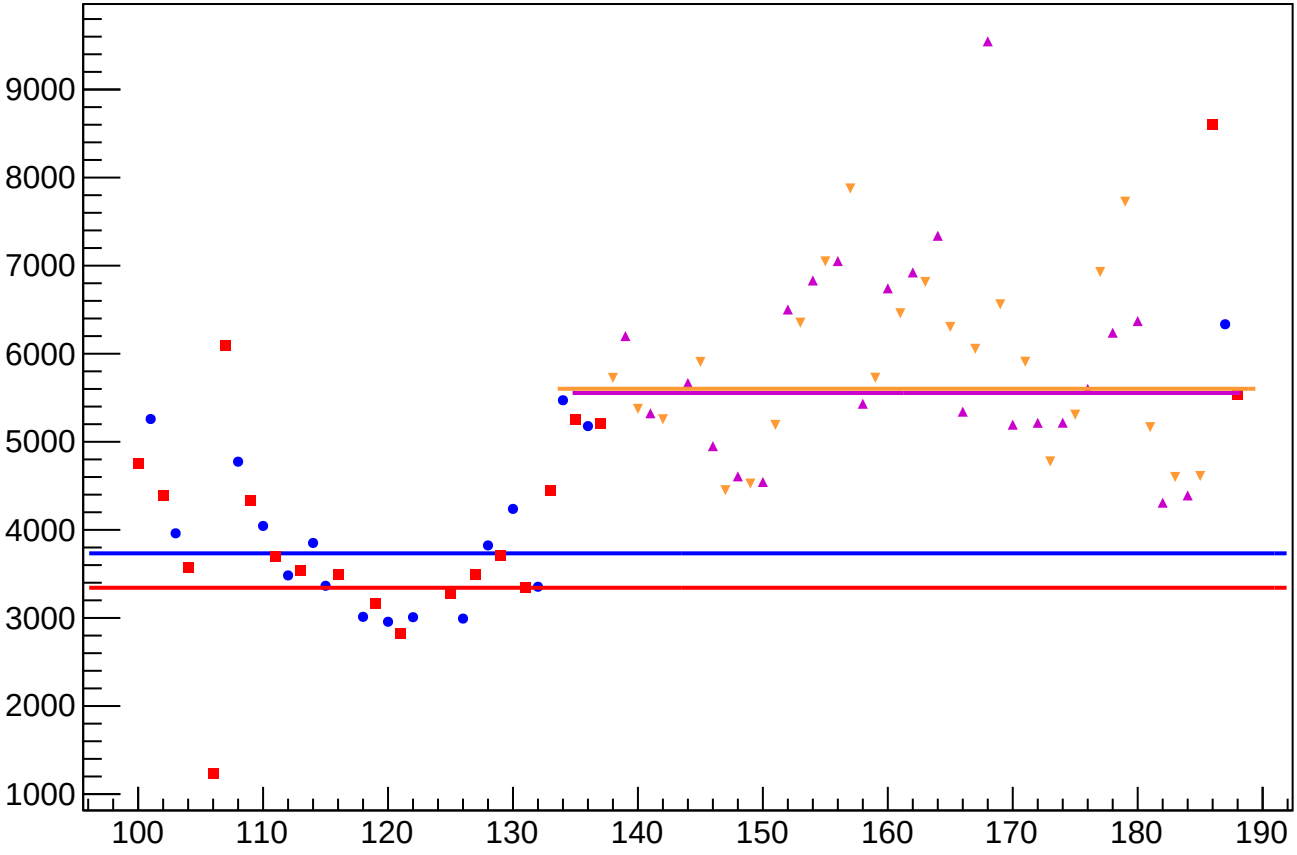
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2289.284+/-964.656 χ^2/NDF: 45.2/40

All: -122.012+/-673.113 χ^2/NDF: 97.9/83

- sign -2410.088+/-939.685 χ^2/NDF: 40.5/42

asym_usl_atl2_avg_rms vs Slug



Right In: 3733.597+/-0.996 χ^2/NDF: 674785.8/16

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

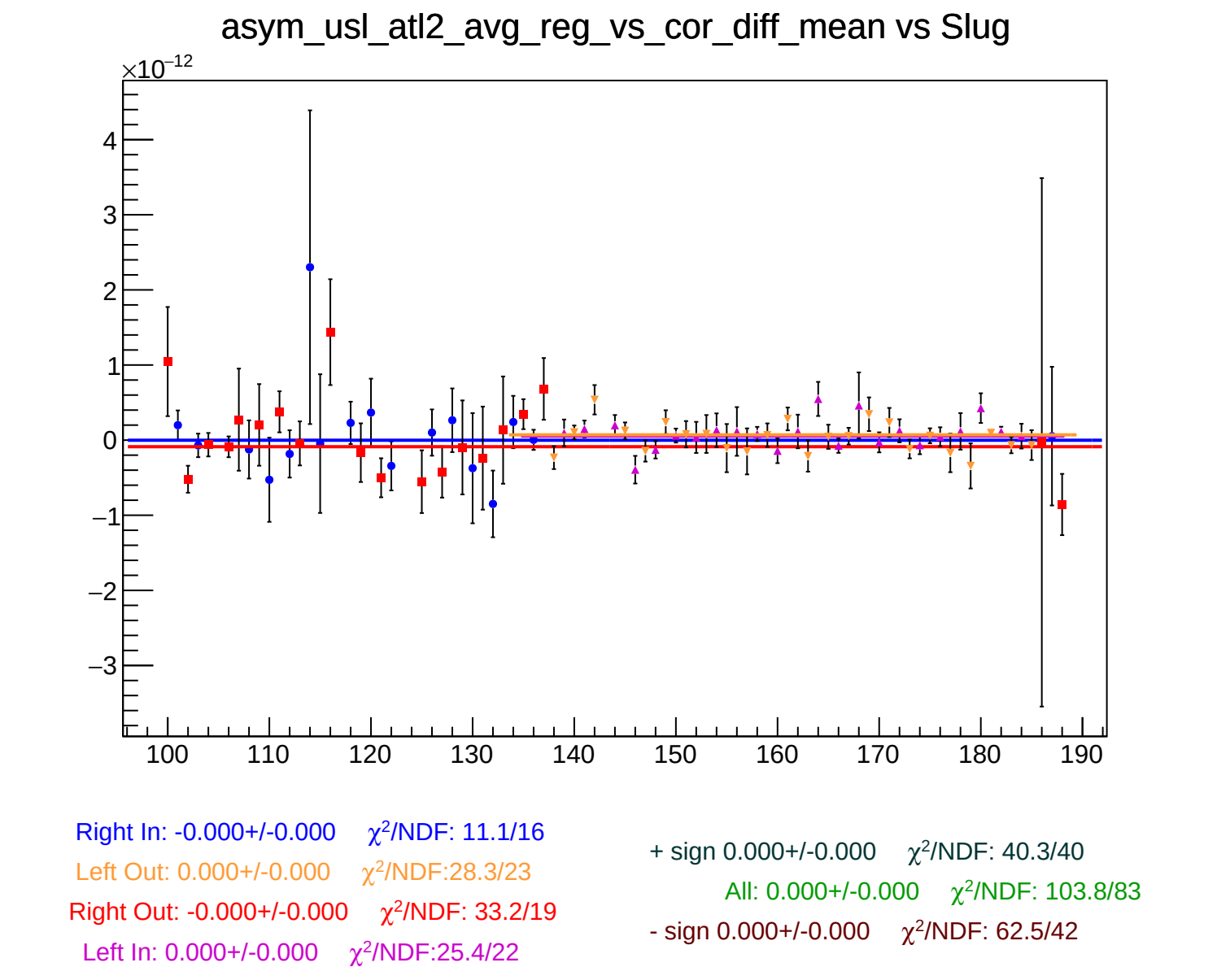
Right Out: 3342.823+/-0.870 χ^2/NDF: 2244767.1/19

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

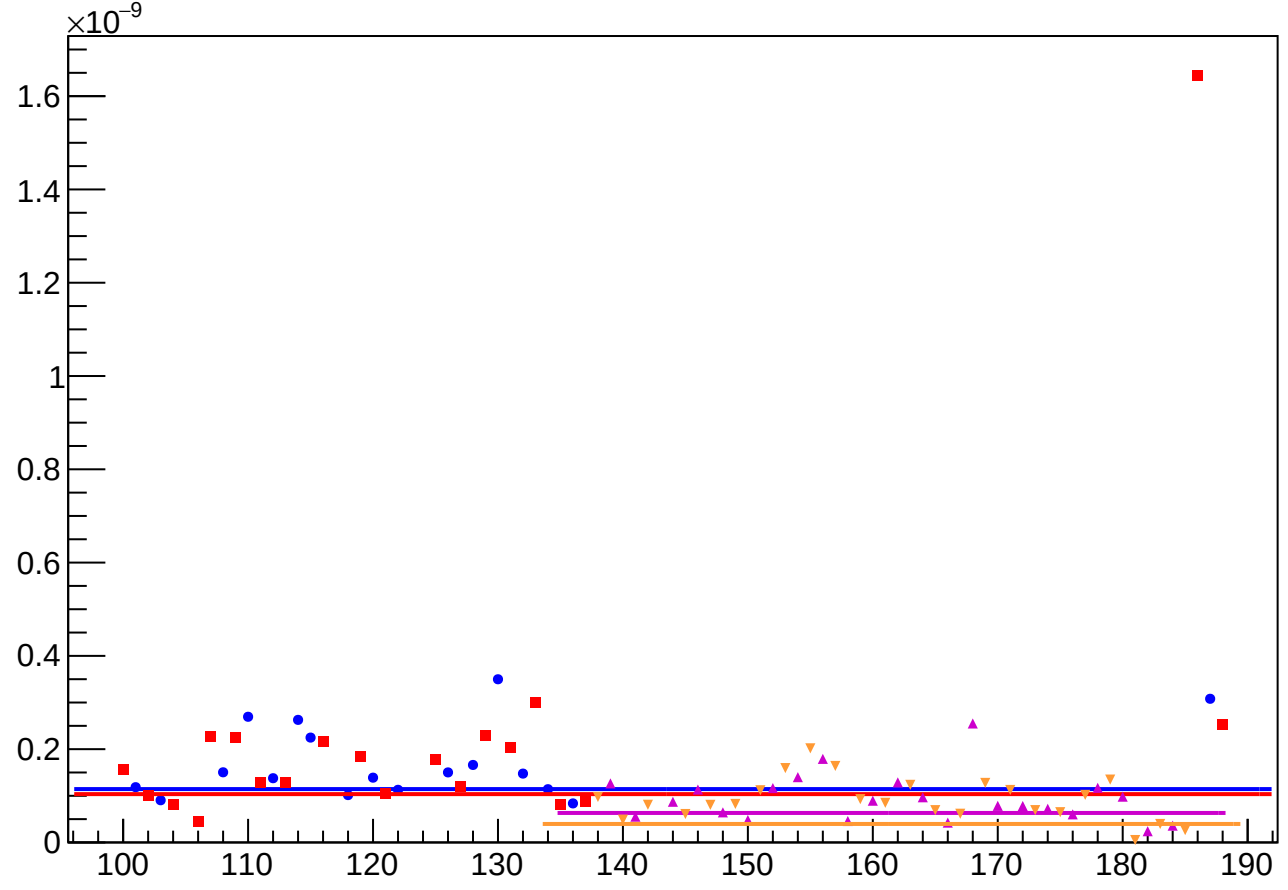
+ sign 4724.992+/-0.682 χ^2/NDF: 3484488.7/40

All: 4535.556+/-0.465 χ^2/NDF: 9985045.3/83

- sign 4370.446+/-0.637 χ^2/NDF: 6356205.6/42


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.1/16
Left Out: 0.000+/-0.000 χ²/NDF:28.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/19
Left In: 0.000+/-0.000 χ²/NDF:25.4/22
+ sign 0.000+/-0.000 χ²/NDF: 40.3/40
All: 0.000+/-0.000 χ²/NDF: 103.8/83
- sign 0.000+/-0.000 χ²/NDF: 62.5/42

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 744221.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1762158.8/19

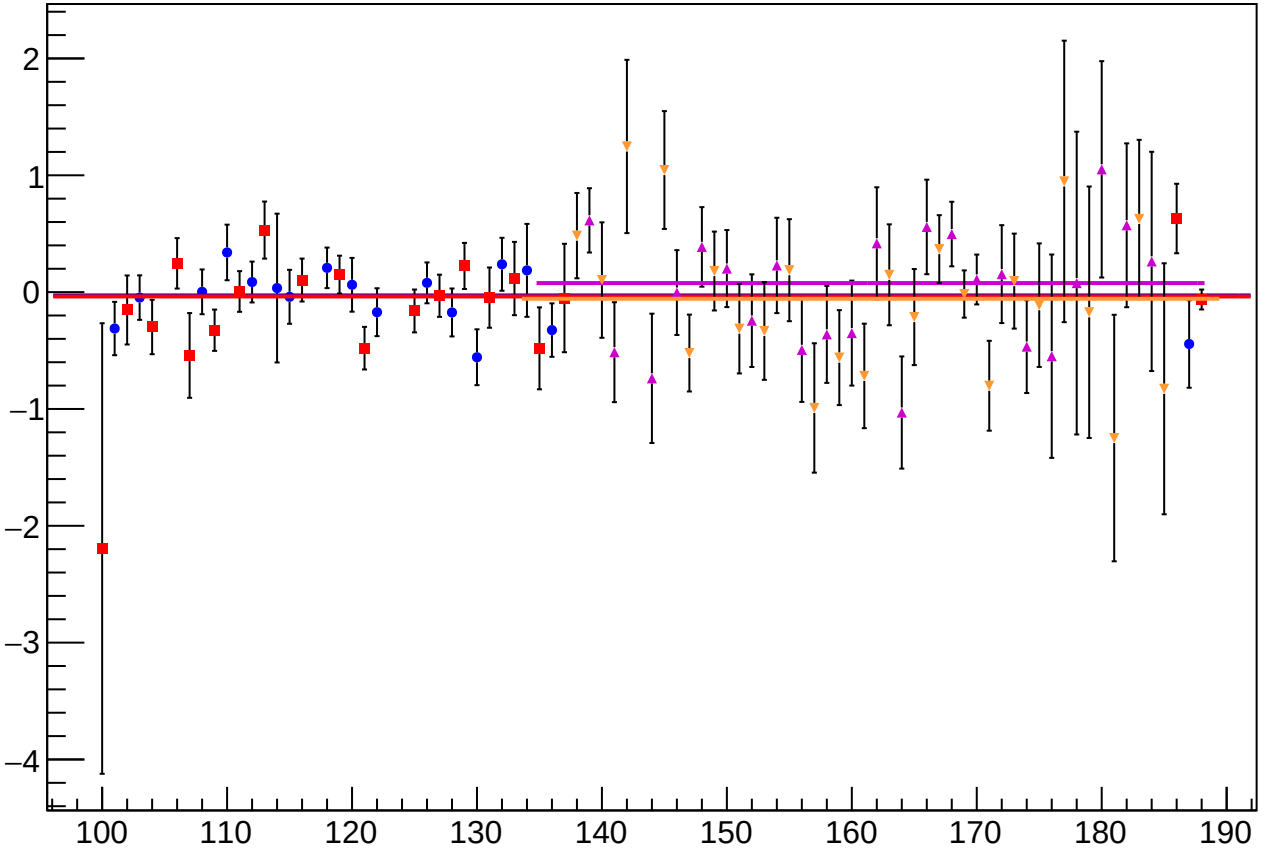
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9763409.8/40

All: 0.000+/-0.000 χ^2/NDF: 16079543.4/83

- sign 0.000+/-0.000 χ^2/NDF: 5339098.4/42

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.037+/-0.044 χ^2/NDF: 31.5/19

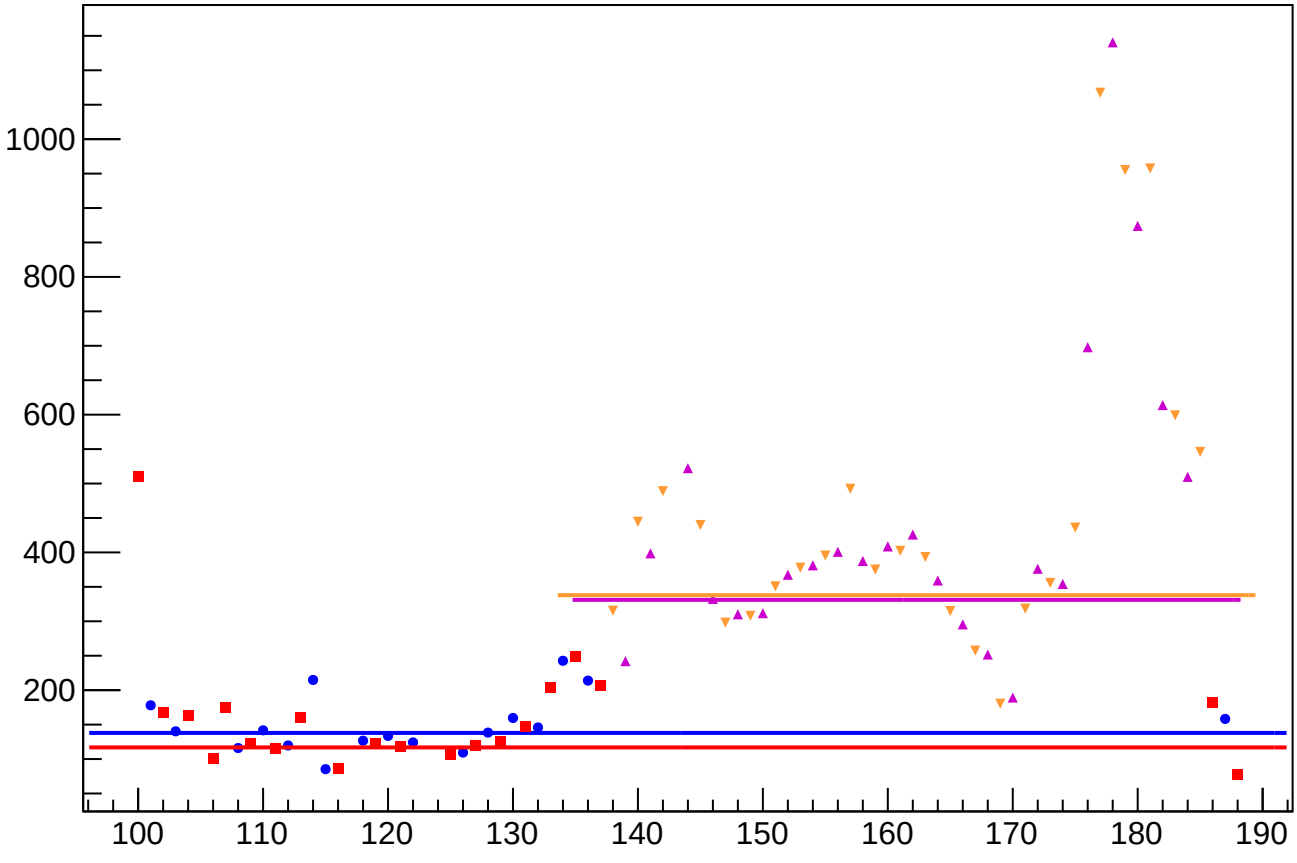
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.036+/-0.045 χ^2/NDF: 47.7/40

All: -0.022+/-0.030 χ^2/NDF: 107.8/83

- sign -0.012+/-0.039 χ^2/NDF: 59.9/42

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.918+/-0.038 χ^2/NDF: 698962.2/16

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

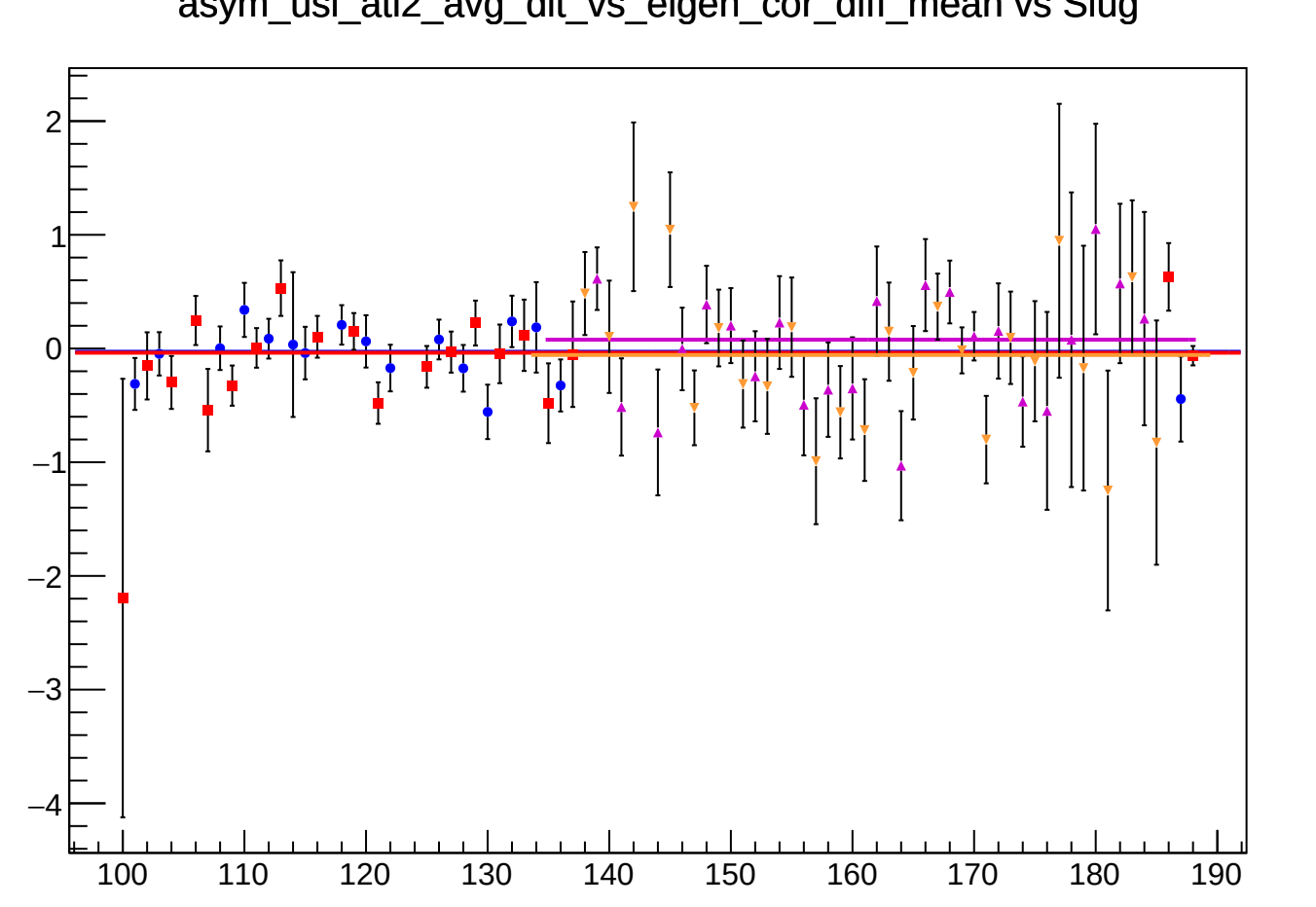
Right Out: 116.866+/-0.031 χ^2/NDF: 1488021.0/19

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.458+/-0.032 χ^2/NDF: 13075029.2/40

All: 176.847+/-0.021 χ^2/NDF: 29498873.1/83

- sign 163.838+/-0.028 χ^2/NDF: 15901452.3/42



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

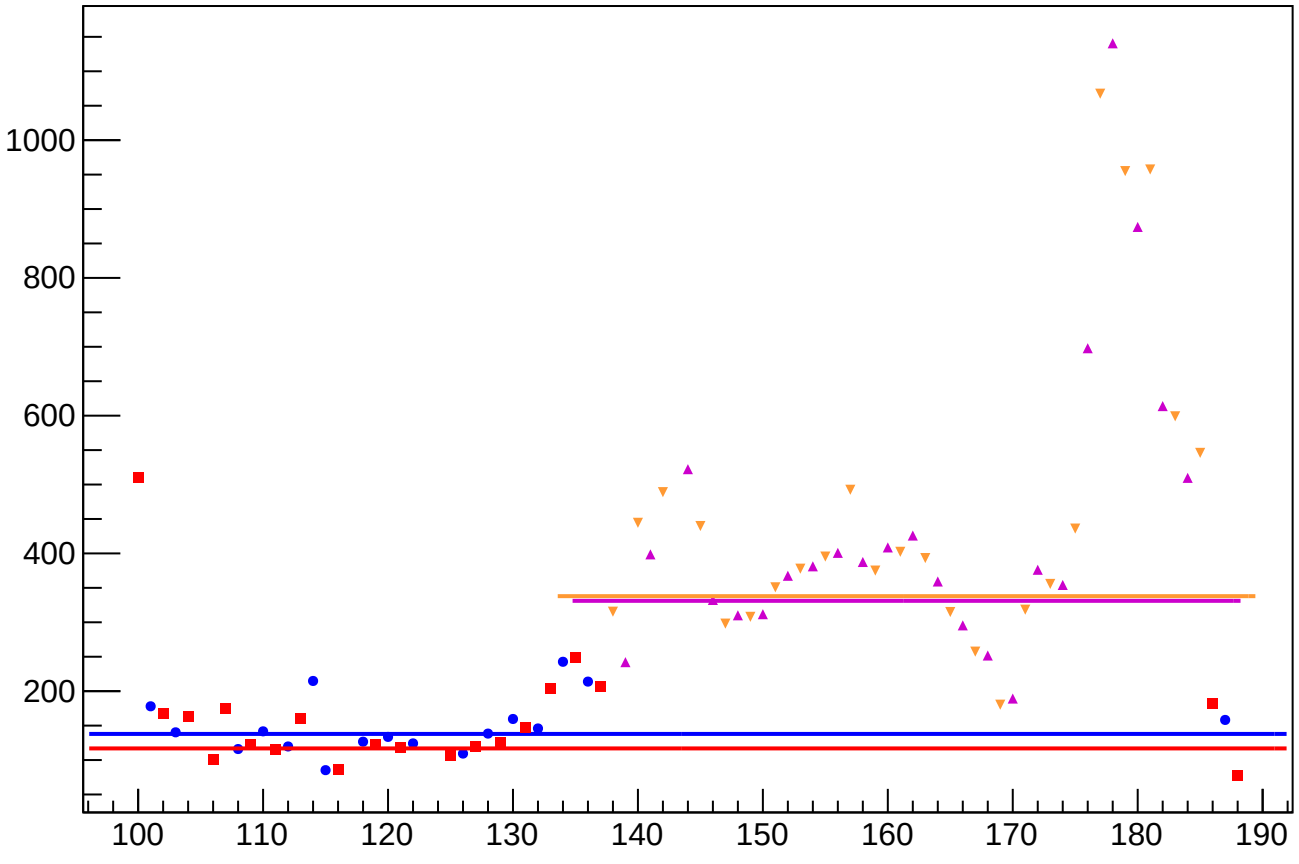
Right Out: -0.037+/-0.044 χ^2/NDF: 31.5/19

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.036+/-0.045 χ^2/NDF: 47.7/40

All: -0.022+/-0.030 χ^2/NDF: 107.8/83

- sign -0.012+/-0.039 χ^2/NDF: 59.9/42



Right In: 137.918+/-0.038 χ^2/NDF: 698962.2/16

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

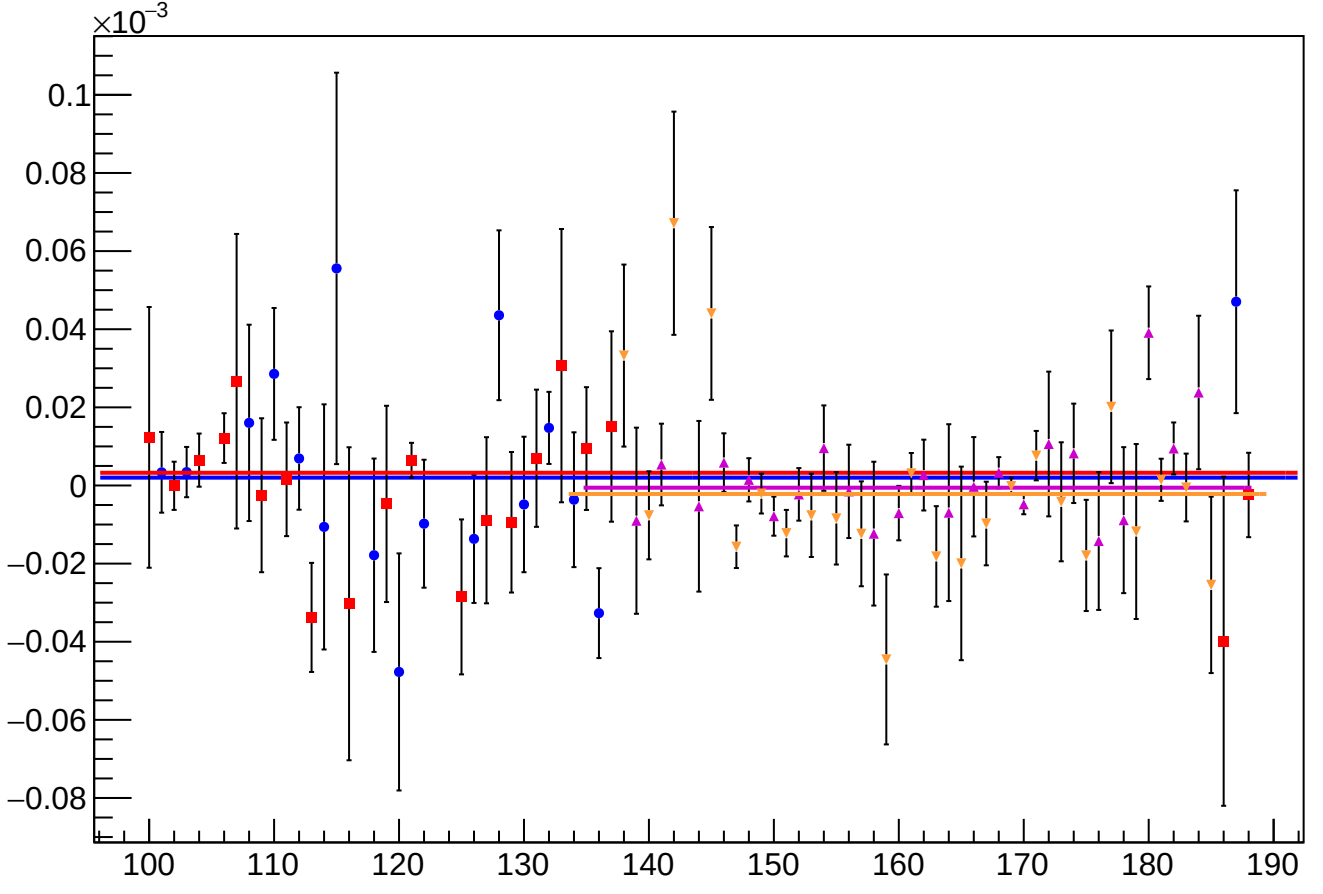
Right Out: 116.866+/-0.031 χ^2/NDF: 1488021.0/19

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.458+/-0.032 χ^2/NDF: 13075029.2/40

All: 176.847+/-0.021 χ^2/NDF: 29498873.1/83

- sign 163.838+/-0.028 χ^2/NDF: 15901452.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

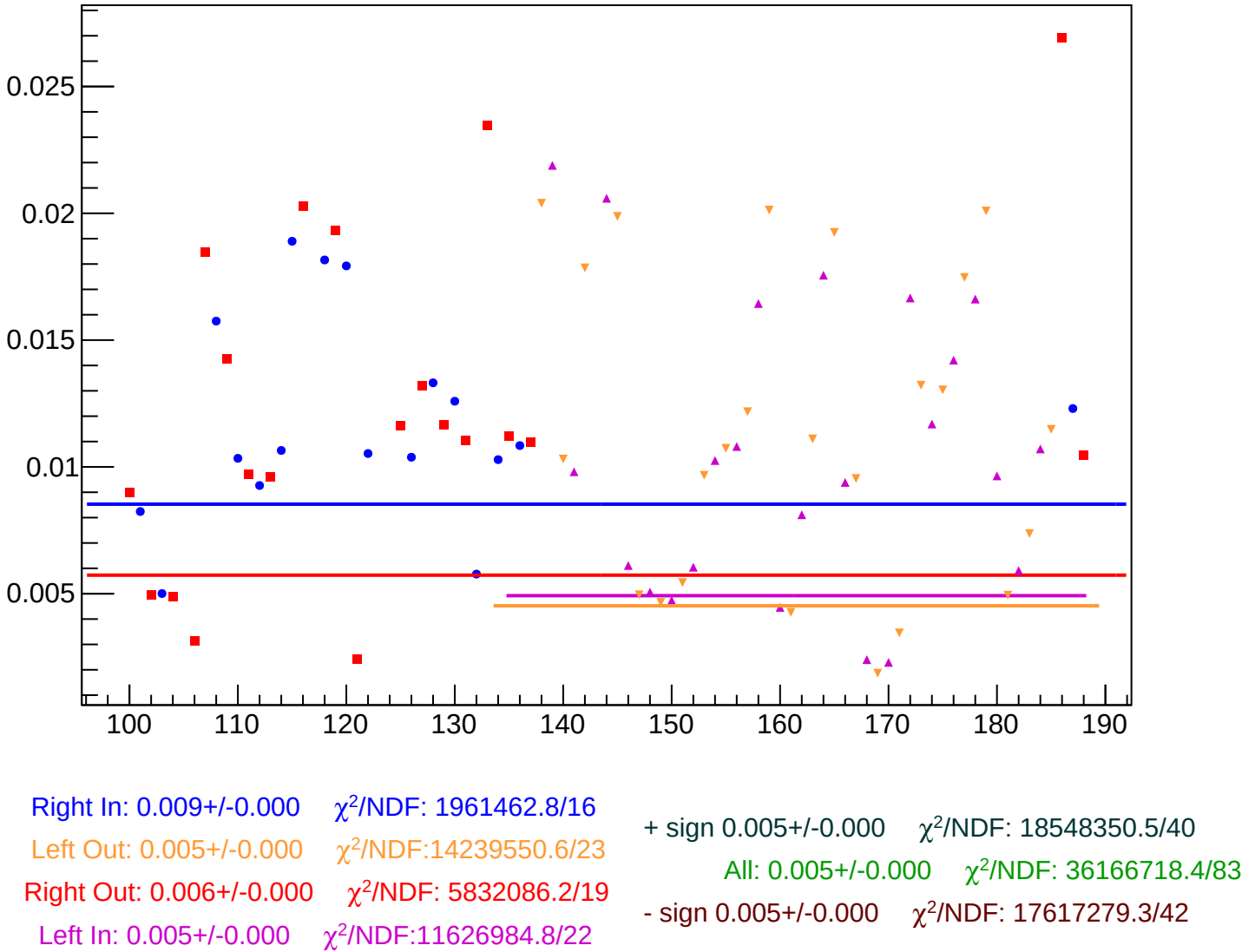
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/19

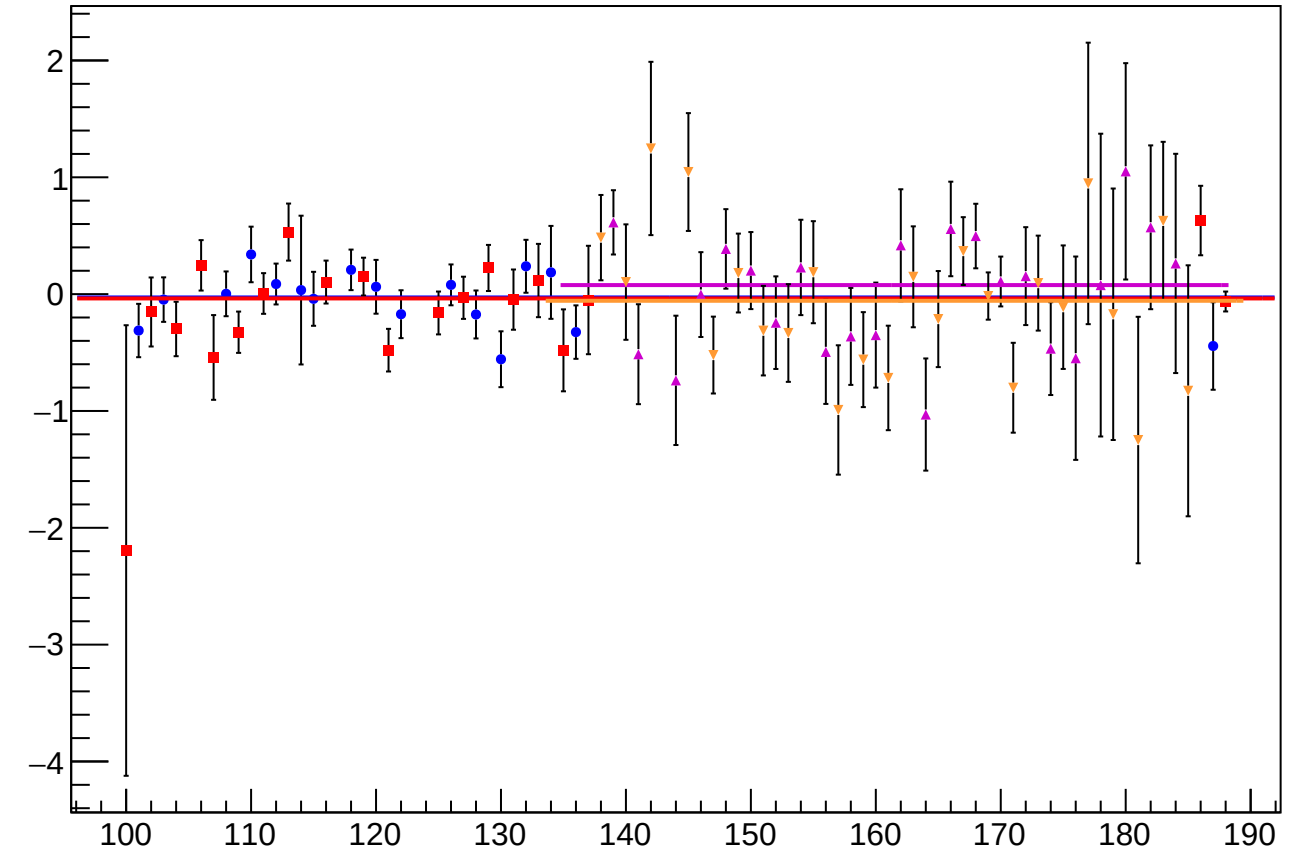
Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.6/40

All: -0.000+/-0.000 χ^2/NDF: 112.0/83

- sign 0.000+/-0.000 χ^2/NDF: 45.1/42


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.009+/-0.000 χ²/NDF: 1961462.8/16
Left Out: 0.005+/-0.000 χ²/NDF:14239550.6/23
Right Out: 0.006+/-0.000 χ²/NDF: 5832086.2/19
Left In: 0.005+/-0.000 χ²/NDF:11626984.8/22
+ sign 0.005+/-0.000 χ²/NDF: 18548350.5/40
All: 0.005+/-0.000 χ²/NDF: 36166718.4/83
- sign 0.005+/-0.000 χ²/NDF: 17617279.3/42



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

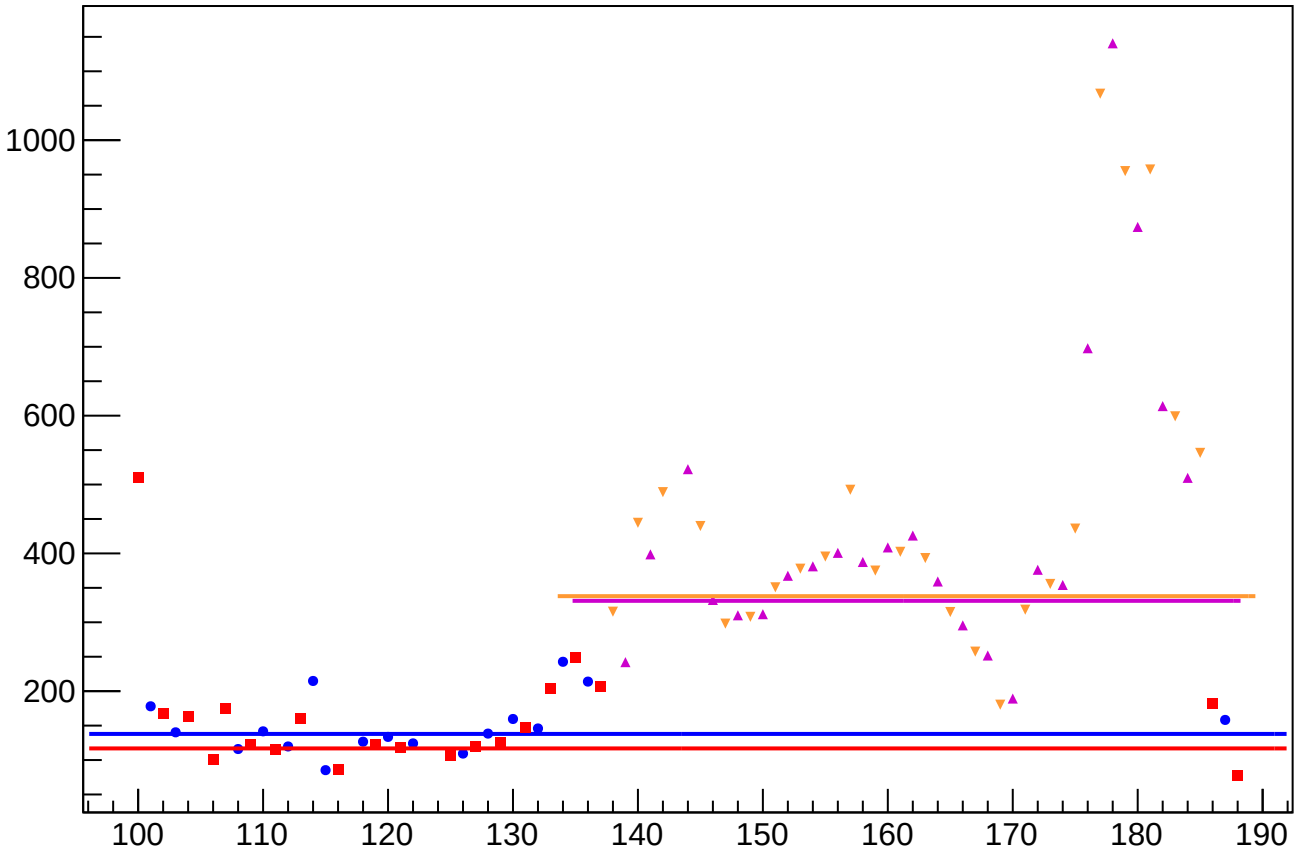
Right Out: -0.037+/-0.044 χ^2/NDF: 31.5/19

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.036+/-0.045 χ^2/NDF: 47.7/40

All: -0.022+/-0.030 χ^2/NDF: 107.8/83

- sign -0.012+/-0.039 χ^2/NDF: 59.9/42



Right In: 137.918+/-0.038 χ^2/NDF: 698940.5/16

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

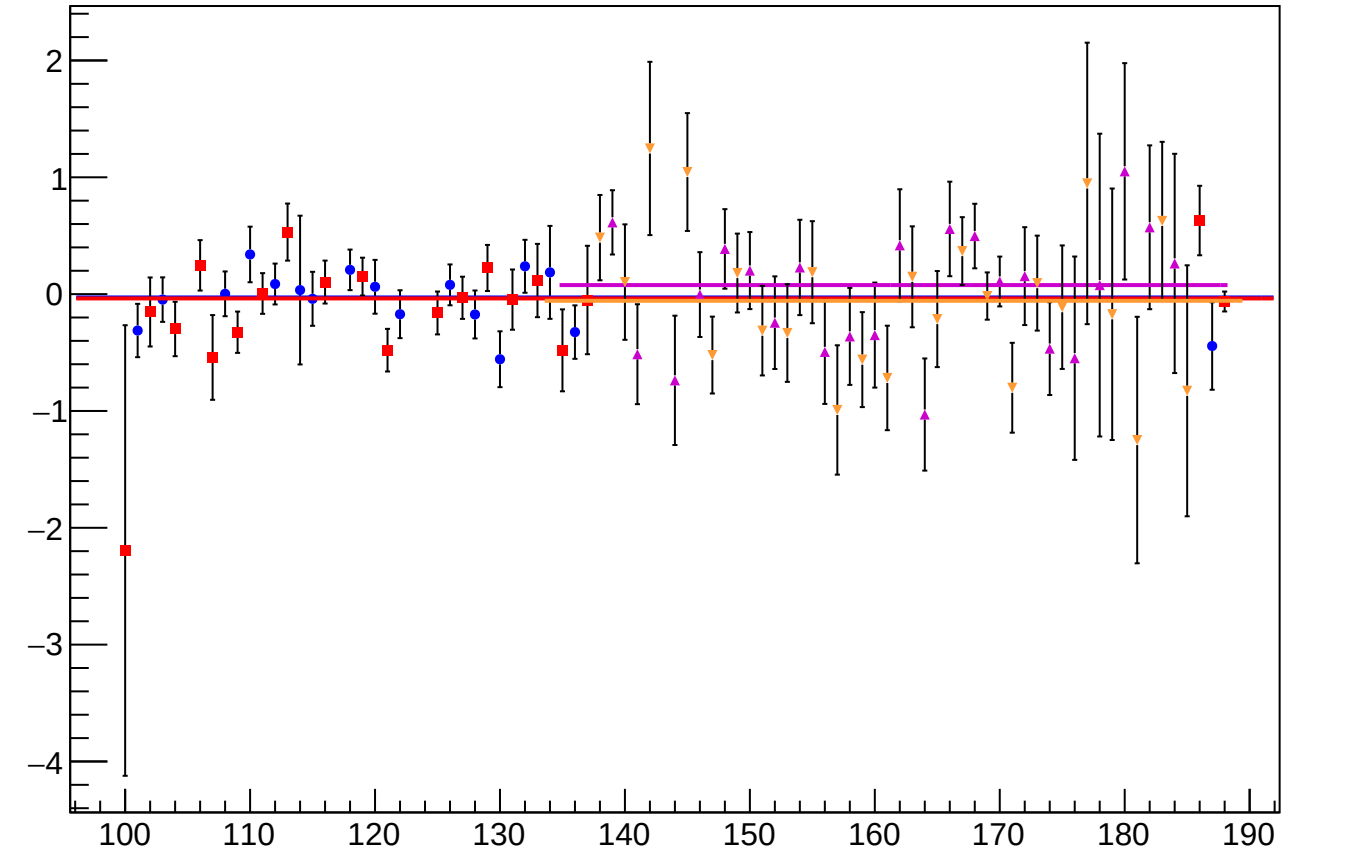
Right Out: 116.864+/-0.031 χ^2/NDF: 1488076.1/19

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 194.458+/-0.032 χ^2/NDF: 13075163.9/40

All: 176.845+/-0.021 χ^2/NDF: 29499573.9/83

- sign 163.835+/-0.028 χ^2/NDF: 15901921.3/42



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

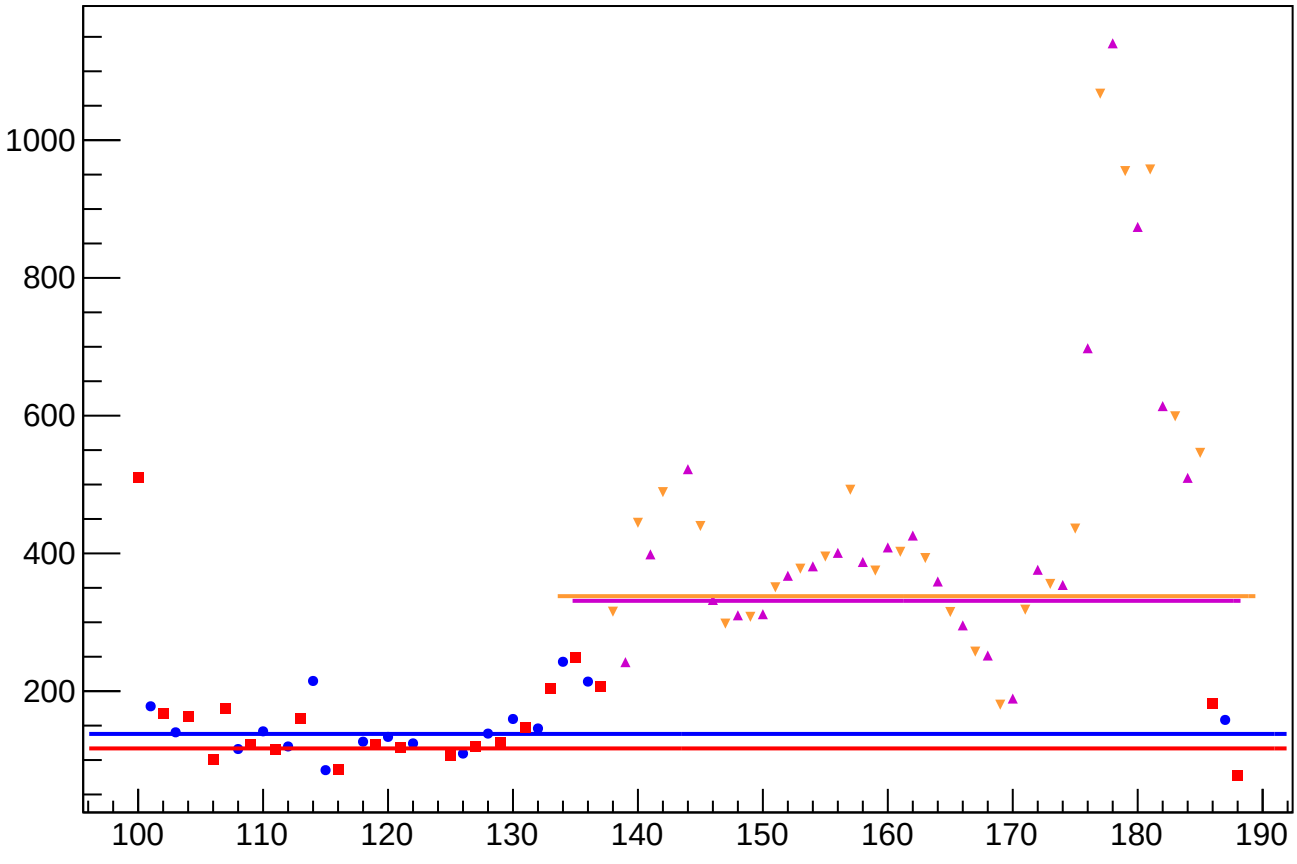
Right Out: -0.037+/-0.044 χ^2/NDF: 31.5/19

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.036+/-0.045 χ^2/NDF: 47.7/40

All: -0.022+/-0.030 χ^2/NDF: 107.8/83

- sign -0.012+/-0.039 χ^2/NDF: 59.9/42



Right In: 137.918+/-0.038 χ^2/NDF: 698940.5/16

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

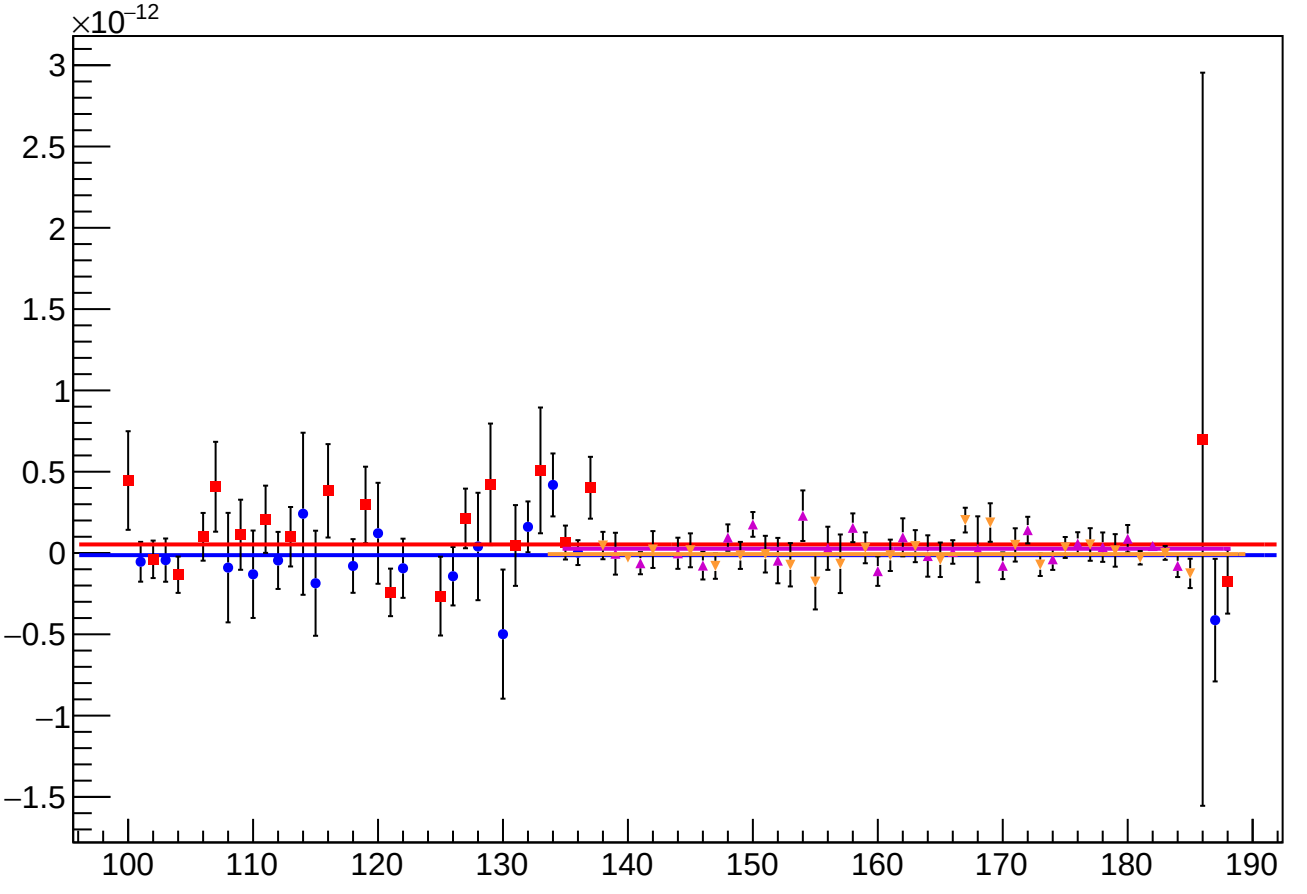
Right Out: 116.864+/-0.031 χ^2/NDF: 1488076.1/19

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 194.458+/-0.032 χ^2/NDF: 13075163.9/40

All: 176.845+/-0.021 χ^2/NDF: 29499573.9/83

- sign 163.835+/-0.028 χ^2/NDF: 15901921.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 11.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

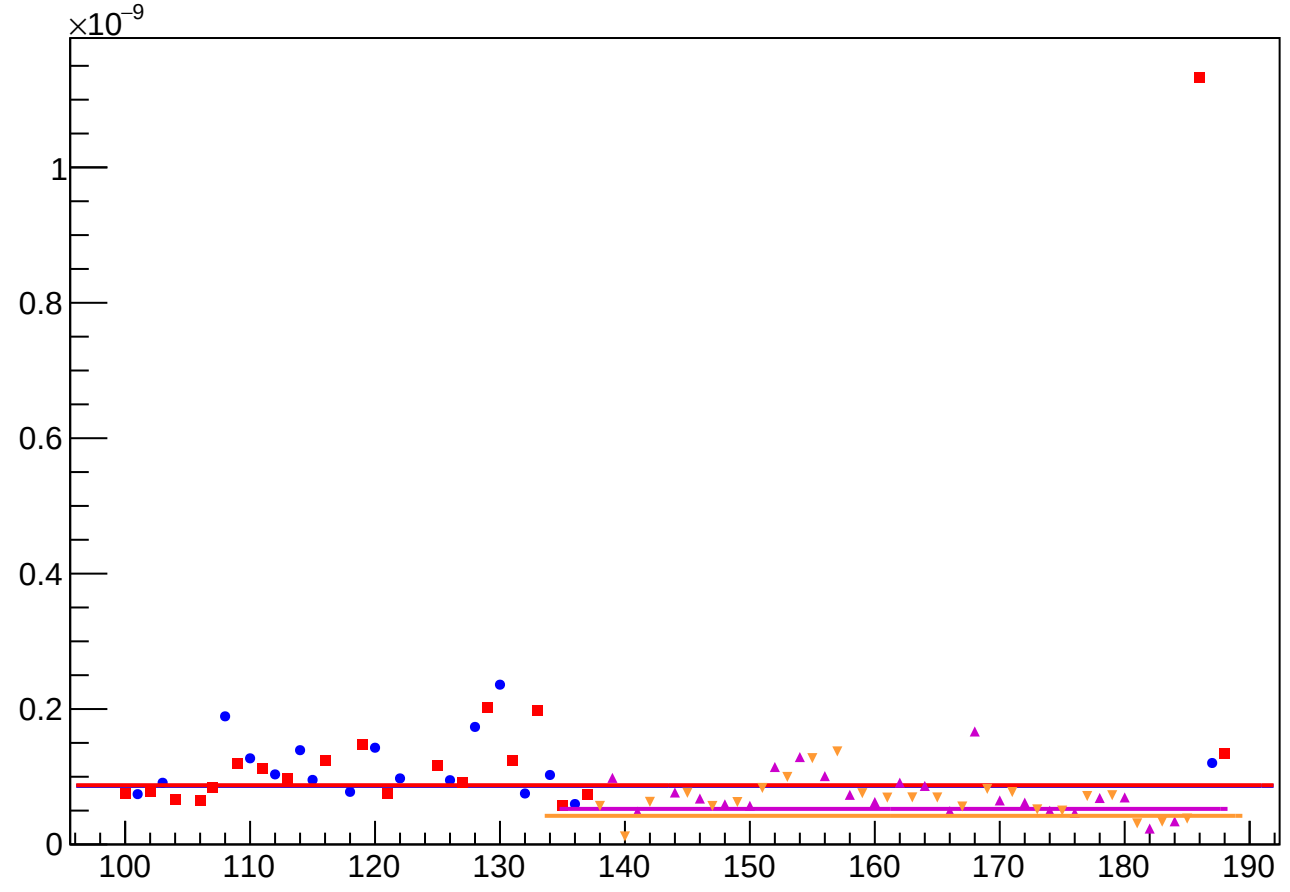
Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/19

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.1/40

All: 0.000+/-0.000 χ^2/NDF: 79.3/83

- sign 0.000+/-0.000 χ^2/NDF: 46.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 1088364.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

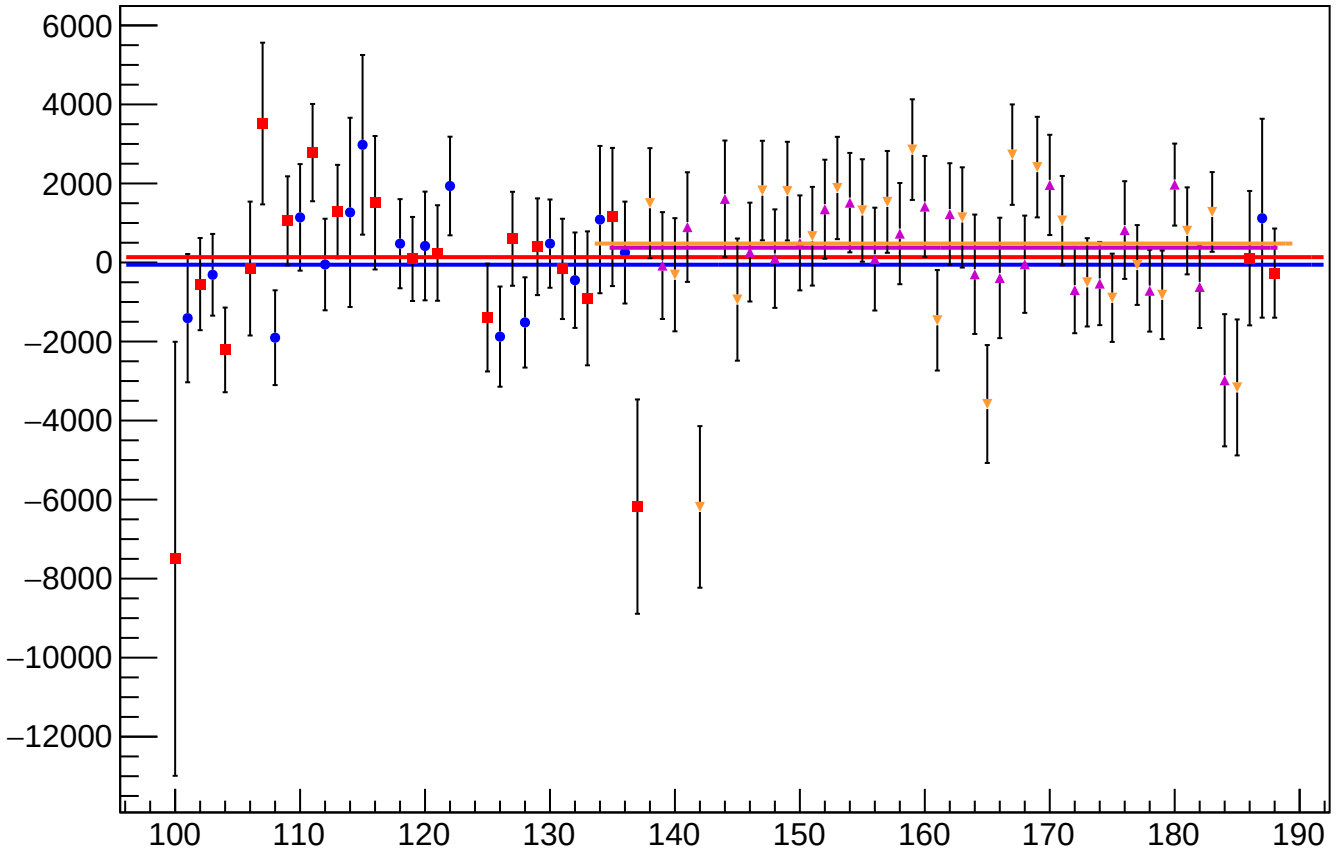
Right Out: 0.000+/-0.000 χ^2/NDF: 1530703.8/19

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9736512.9/40

All: 0.000+/-0.000 χ^2/NDF: 17959042.4/83

- sign 0.000+/-0.000 χ^2/NDF: 7695220.5/42



Right In: -56.177+/-323.520 χ^2/NDF: 13.6/16

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 135.543+/-304.485 χ^2/NDF: 24.5/19

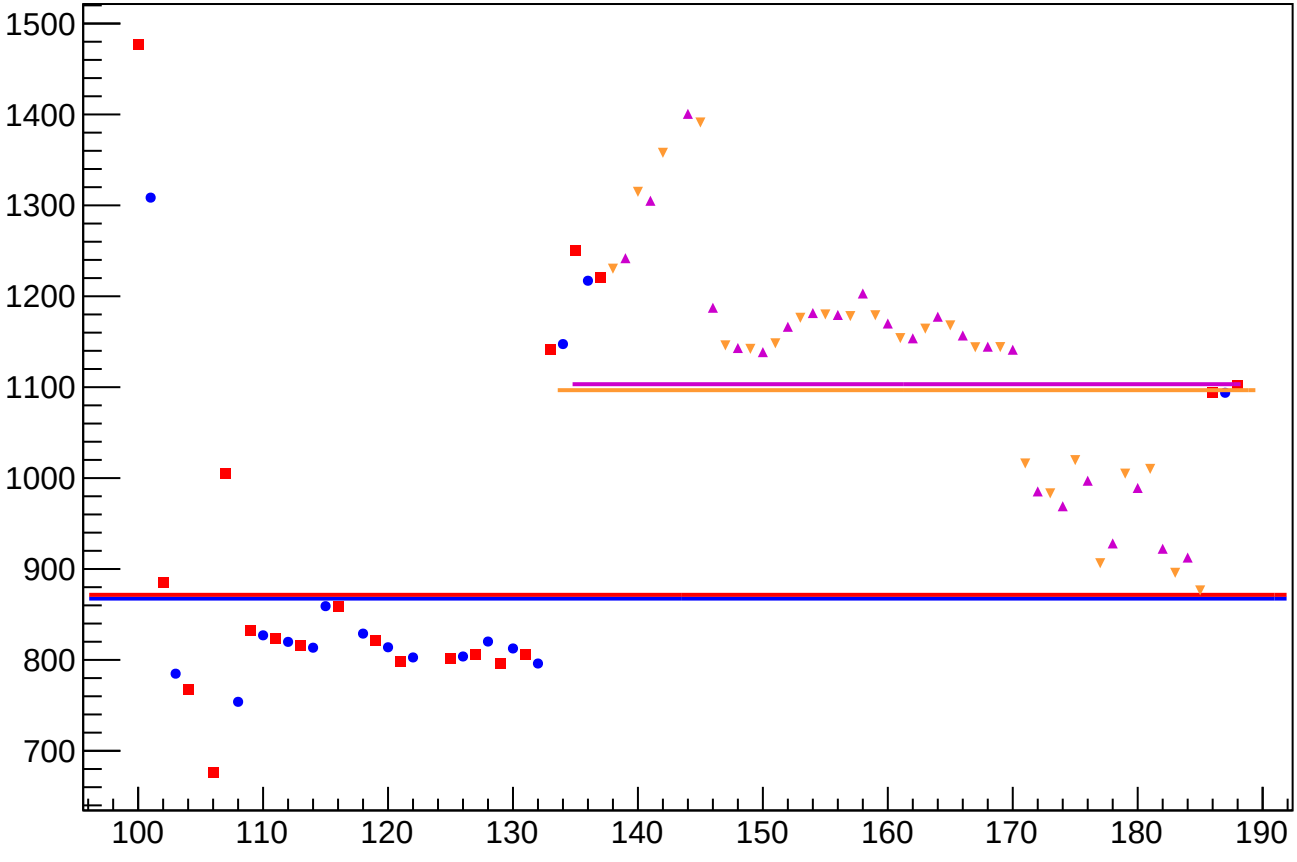
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 272.945+/-200.911 χ^2/NDF: 60.4/40

All: 273.040+/-140.815 χ^2/NDF: 101.3/83

- sign 273.132+/-197.421 χ^2/NDF: 40.9/42

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 867.465+/-0.229 χ^2/NDF: 423951.0/16

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 871.604+/-0.213 χ^2/NDF: 438551.1/19

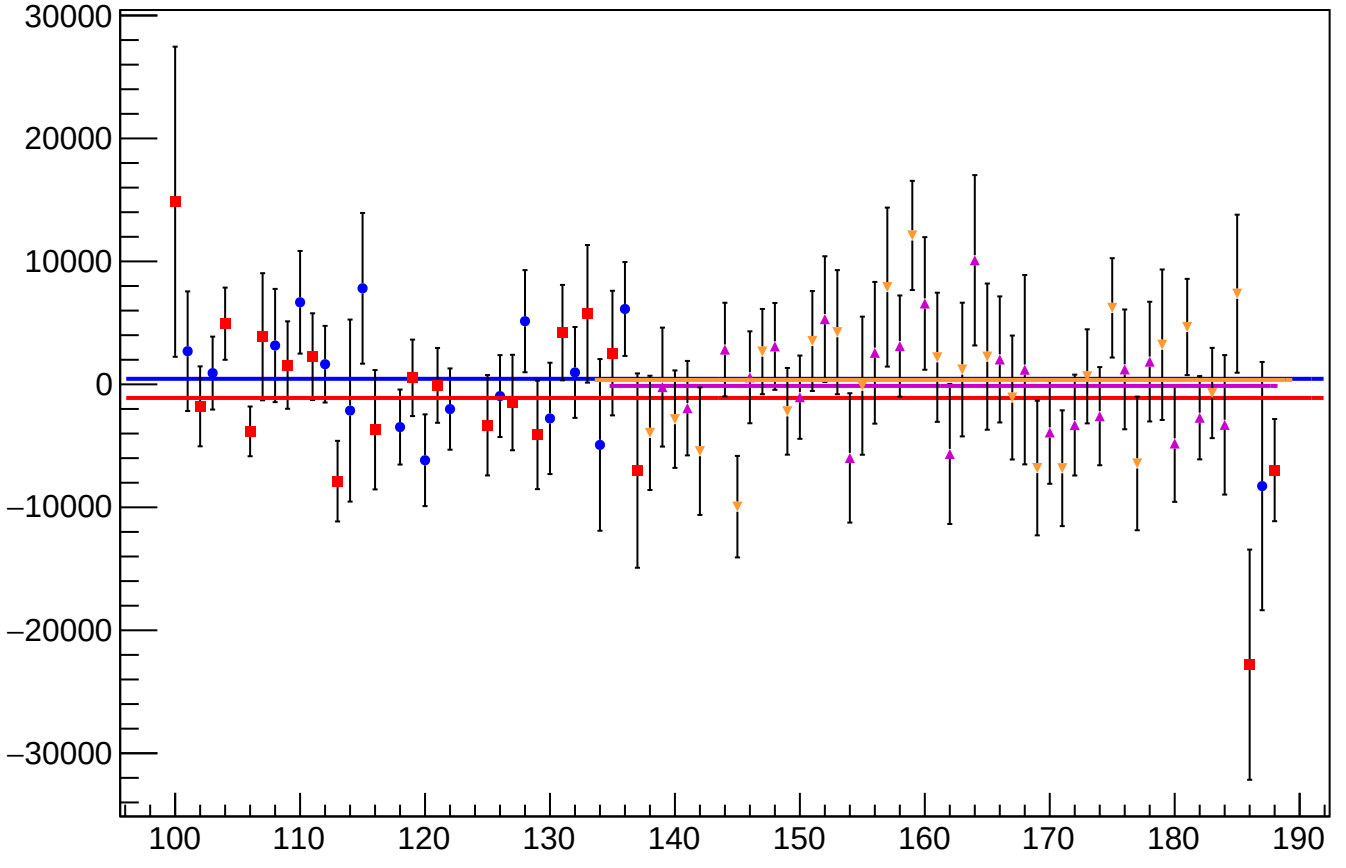
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1008.300+/-0.142 χ^2/NDF: 1521388.3/40

All: 1006.422+/-0.099 χ^2/NDF: 3087618.1/83

- sign 1004.625+/-0.139 χ^2/NDF: 1565887.8/42

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 452.079+/-976.687 χ^2/NDF: 15.4/16

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1105.389+/-843.375 χ^2/NDF: 27.6/19

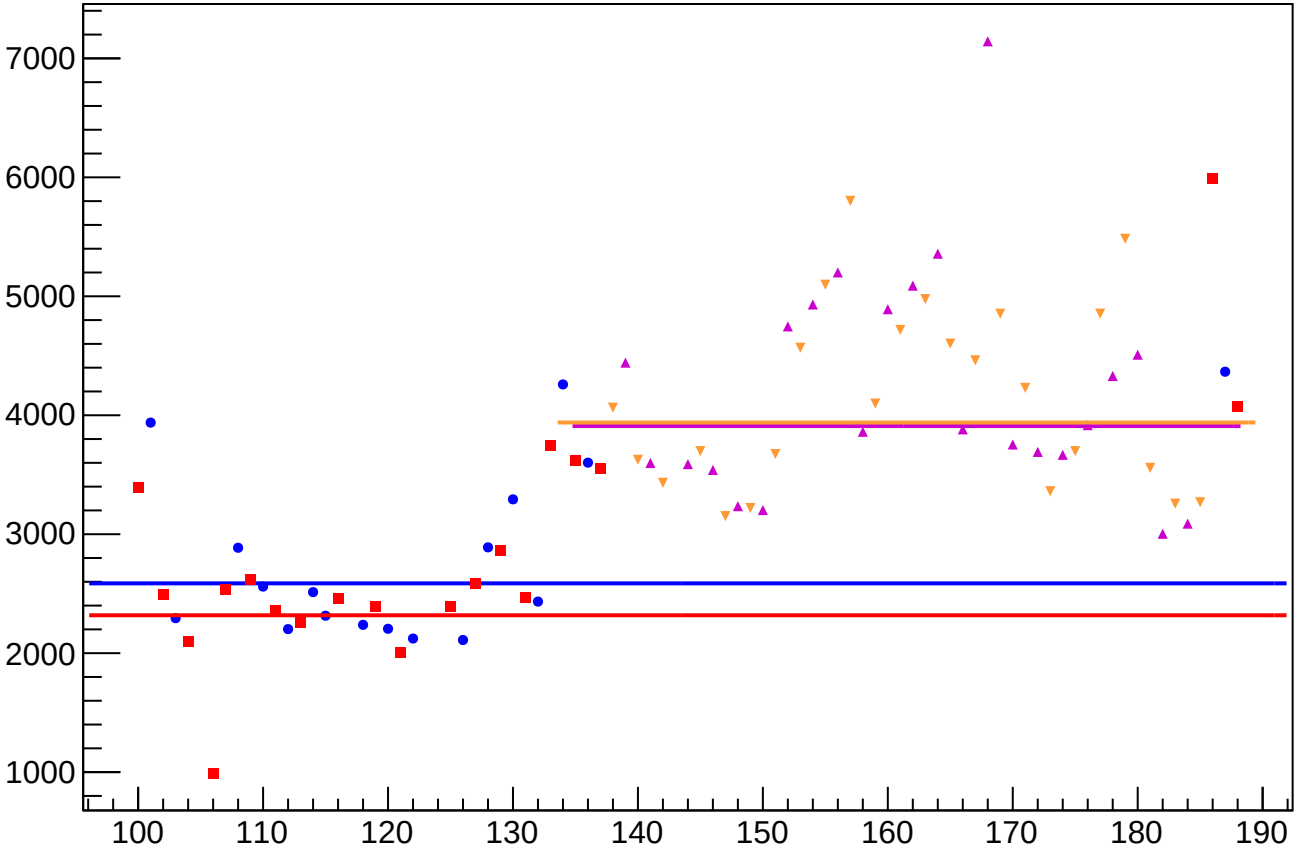
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 402.809+/-675.107 χ^2/NDF: 45.7/40

All: -171.790+/-458.848 χ^2/NDF: 89.0/83

- sign -665.112+/-625.542 χ^2/NDF: 42.0/42

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2586.943+/-0.691 χ^2/NDF: 725171.2/16

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2318.568+/-0.596 χ^2/NDF: 1958622.7/19

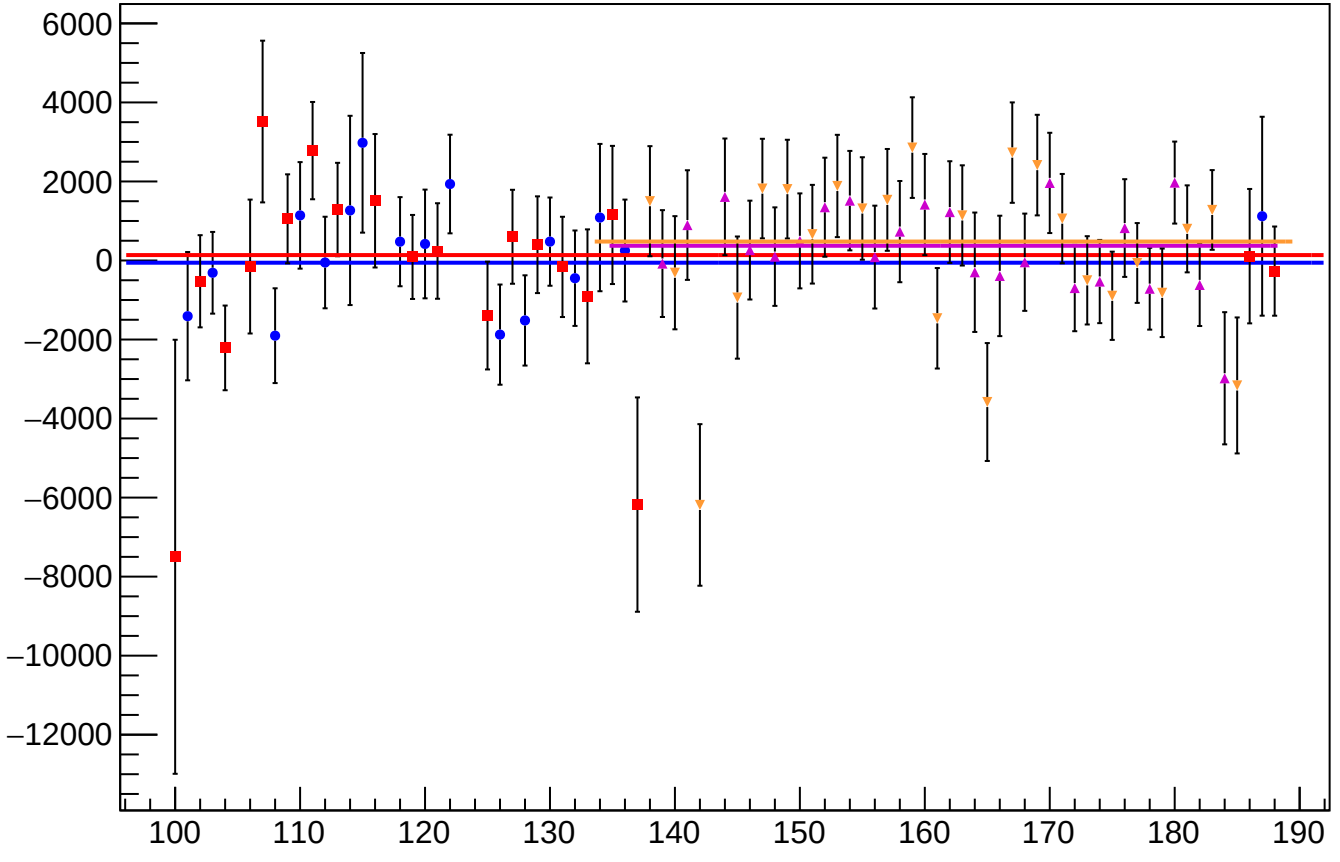
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3293.141+/-0.477 χ^2/NDF: 3820114.2/40

All: 3153.765+/-0.324 χ^2/NDF: 10438099.4/8

- sign 3034.103+/-0.442 χ^2/NDF: 6459555.9/42

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -56.253+/-323.520 χ^2/NDF: 13.6/16

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 137.003+/-304.490 χ^2/NDF: 24.5/19

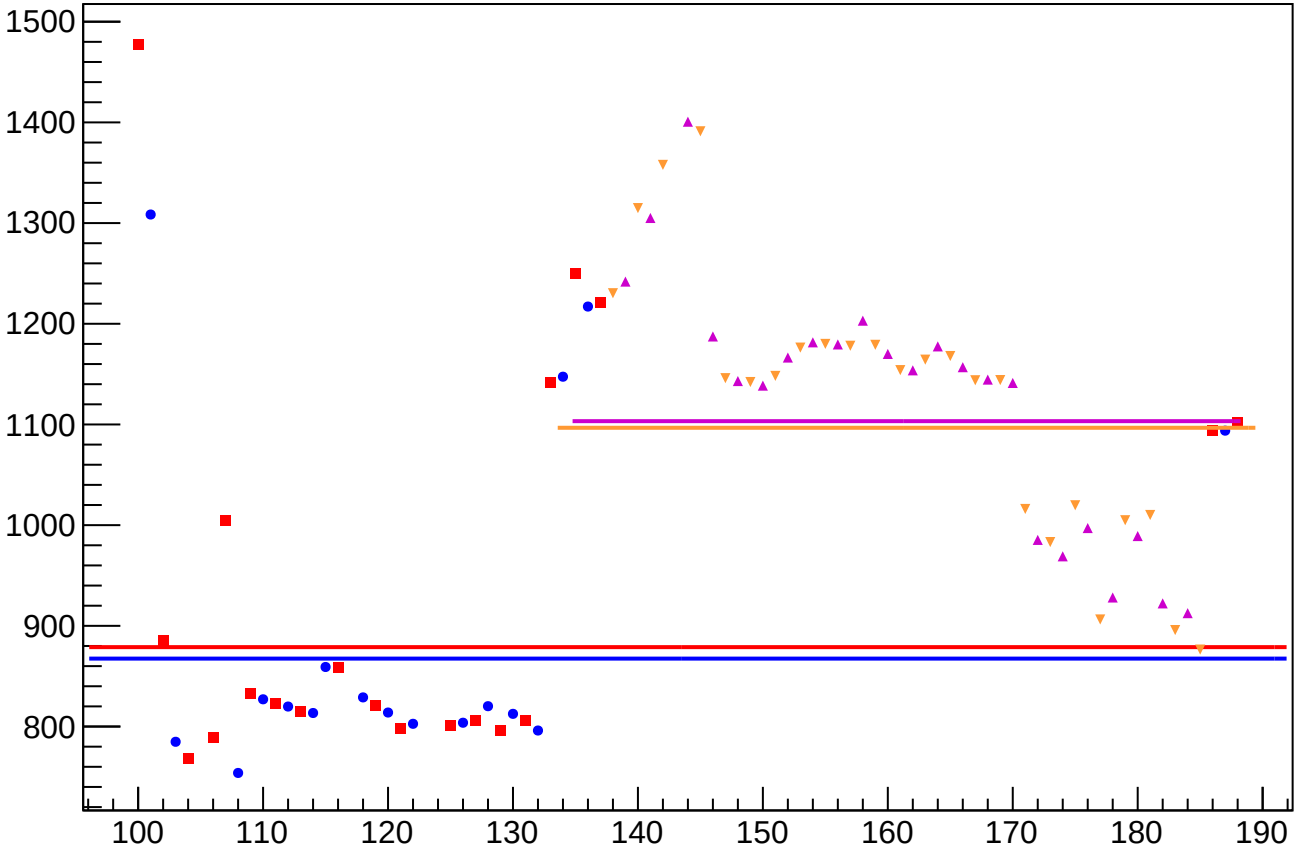
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 272.933+/-200.911 χ^2/NDF: 60.4/40

All: 273.340+/-140.816 χ^2/NDF: 101.3/83

- sign 273.733+/-197.422 χ^2/NDF: 40.9/42

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 867.465+/-0.229 χ^2/NDF: 423950.7/16

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 878.856+/-0.214 χ^2/NDF: 398124.7/19

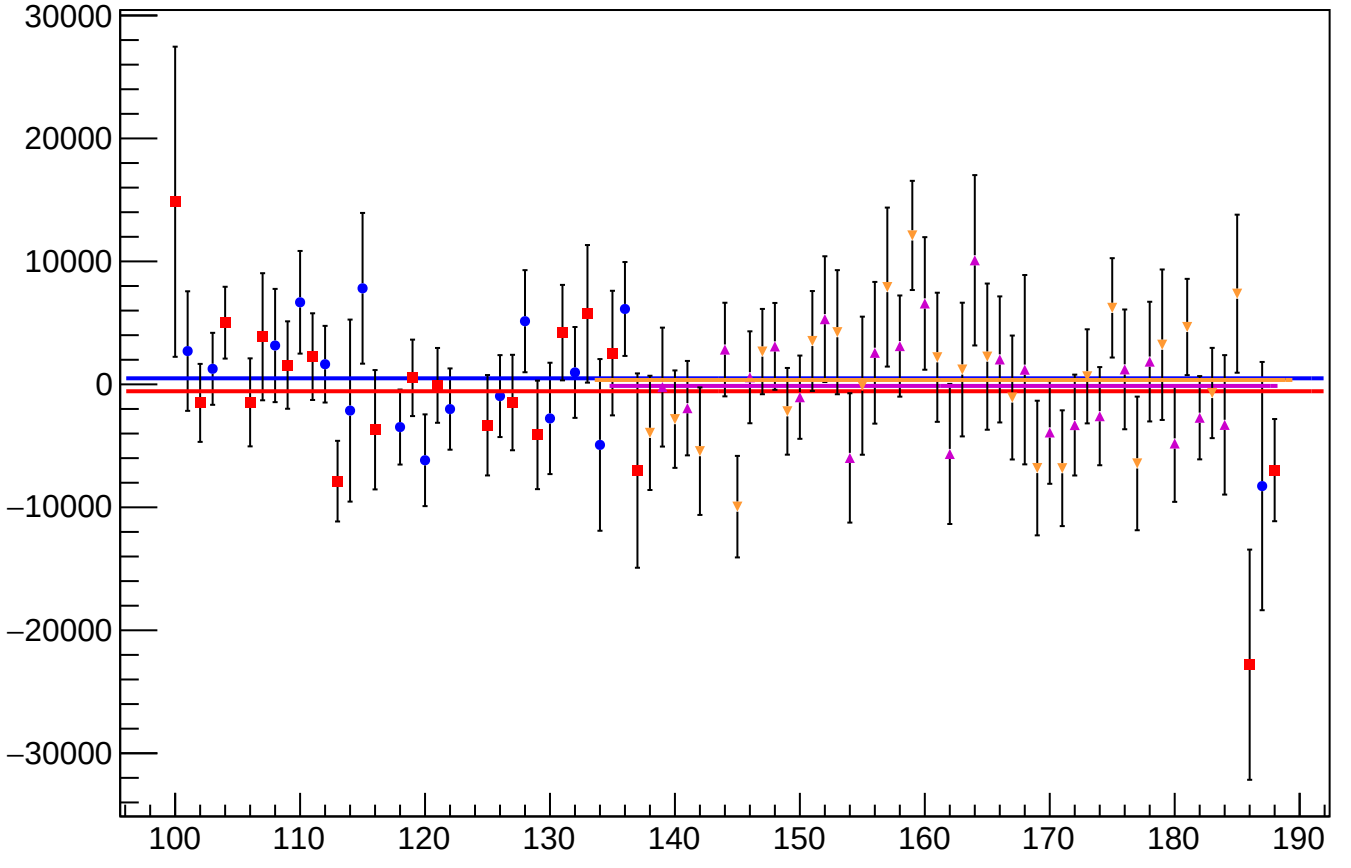
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.300+/-0.142 χ^2/NDF: 1521388.4/40

All: 1008.365+/-0.099 χ^2/NDF: 3000188.8/83

- sign 1008.428+/-0.139 χ^2/NDF: 1478799.9/42

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 492.400+/-975.273 χ^2/NDF: 15.5/16

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -560.249+/-896.082 χ^2/NDF: 25.6/19

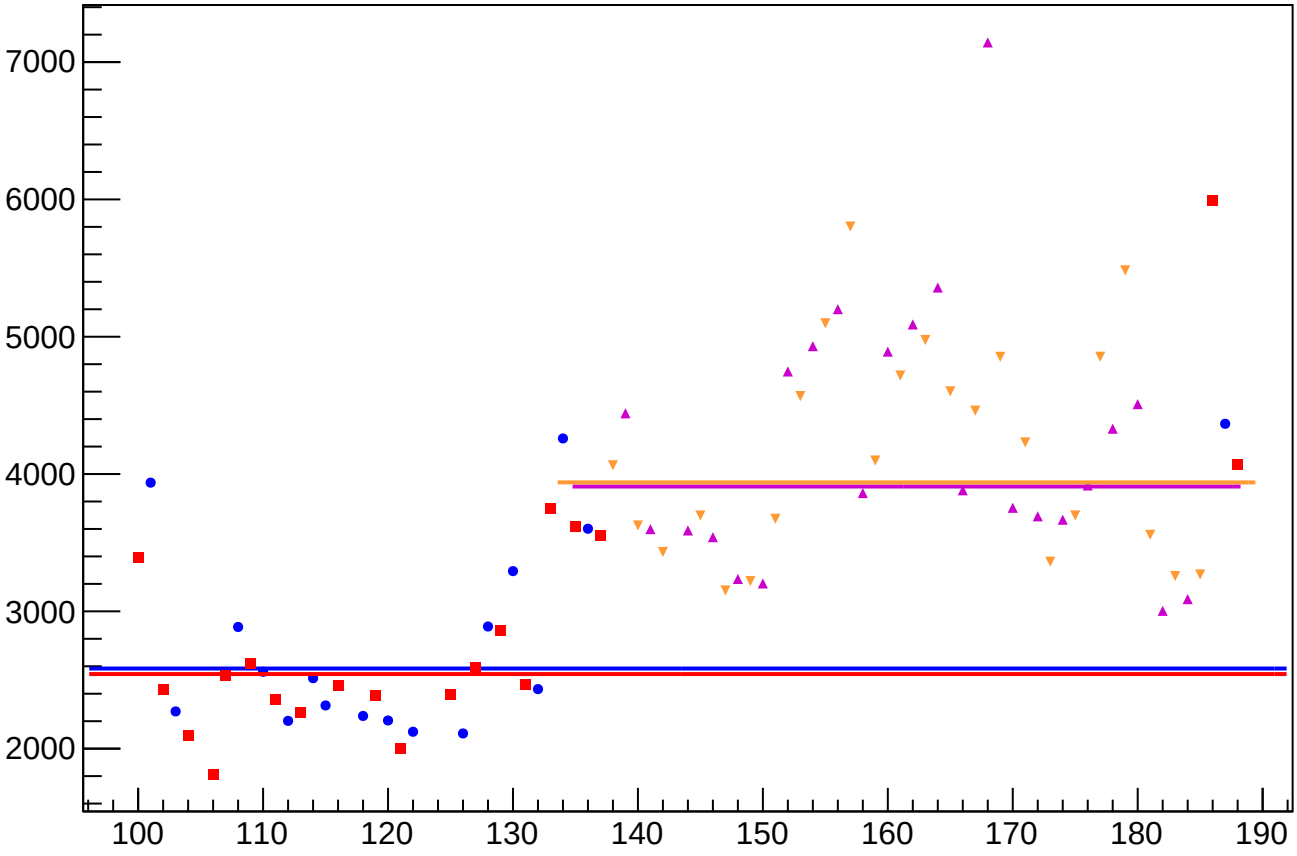
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 422.170+/-674.640 χ^2/NDF: 45.7/40

All: 18.346+/-466.650 χ^2/NDF: 85.9/83

- sign -352.108+/-646.165 χ^2/NDF: 39.4/42

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2583.524+/-0.690 χ^2/NDF: 728805.2/16

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2543.137+/-0.634 χ^2/NDF: 1003797.0/19

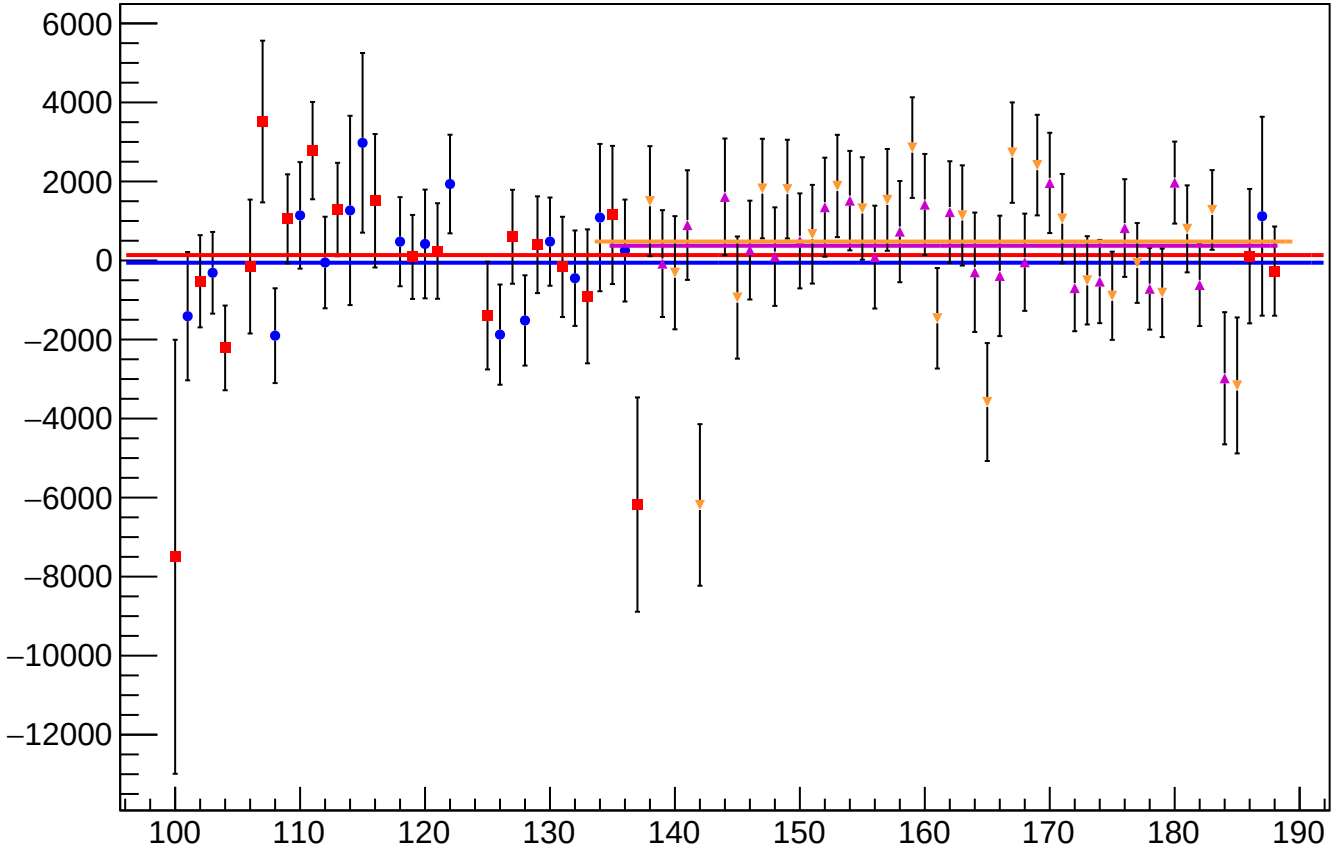
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3290.528+/-0.477 χ^2/NDF: 3836934.3/40

All: 3242.704+/-0.330 χ^2/NDF: 8391708.2/83

- sign 3198.832+/-0.457 χ^2/NDF: 4535503.9/42

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -56.253+/-323.520 χ^2/NDF: 13.6/16

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 137.003+/-304.490 χ^2/NDF: 24.5/19

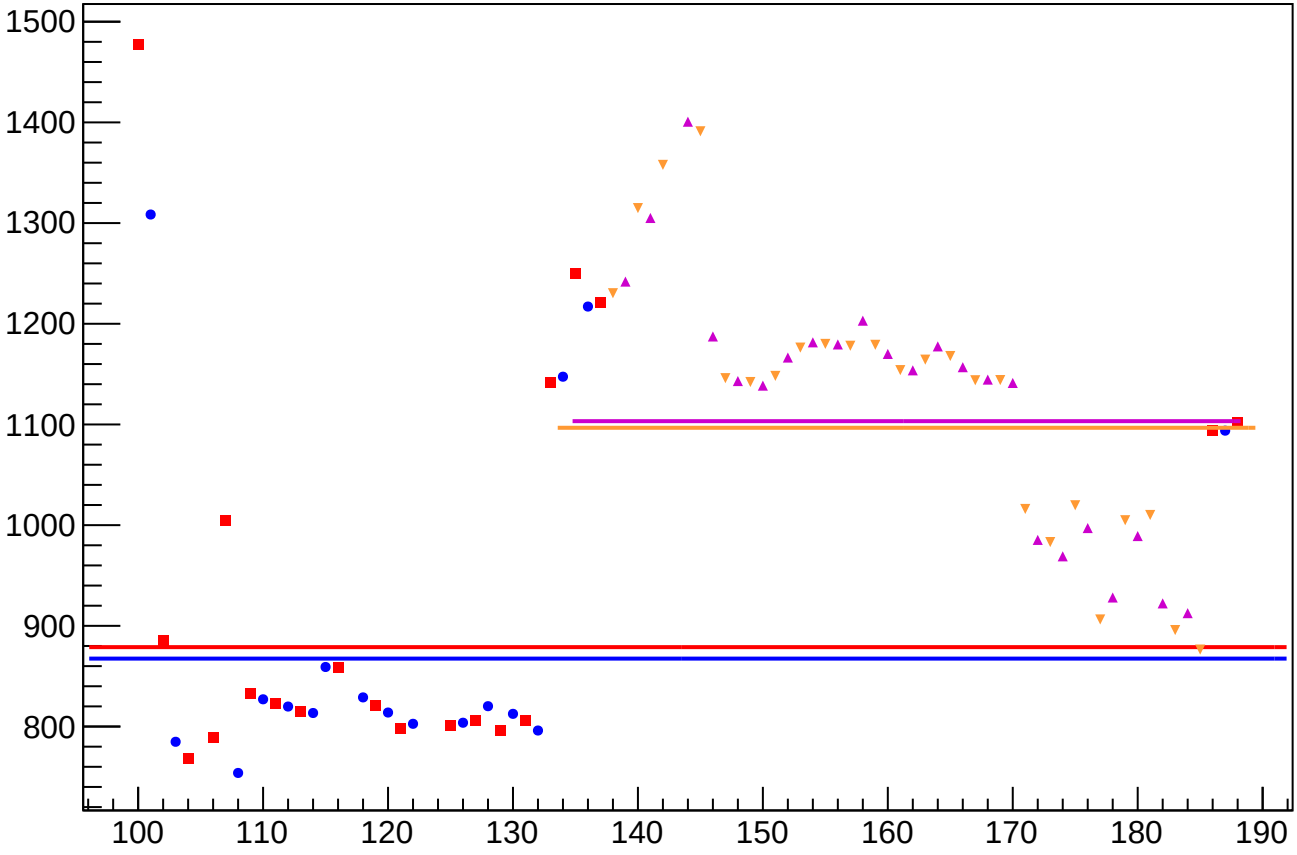
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 272.933+/-200.911 χ^2/NDF: 60.4/40

All: 273.340+/-140.816 χ^2/NDF: 101.3/83

- sign 273.733+/-197.422 χ^2/NDF: 40.9/42

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 867.465+/-0.229 χ^2/NDF: 423950.7/16

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

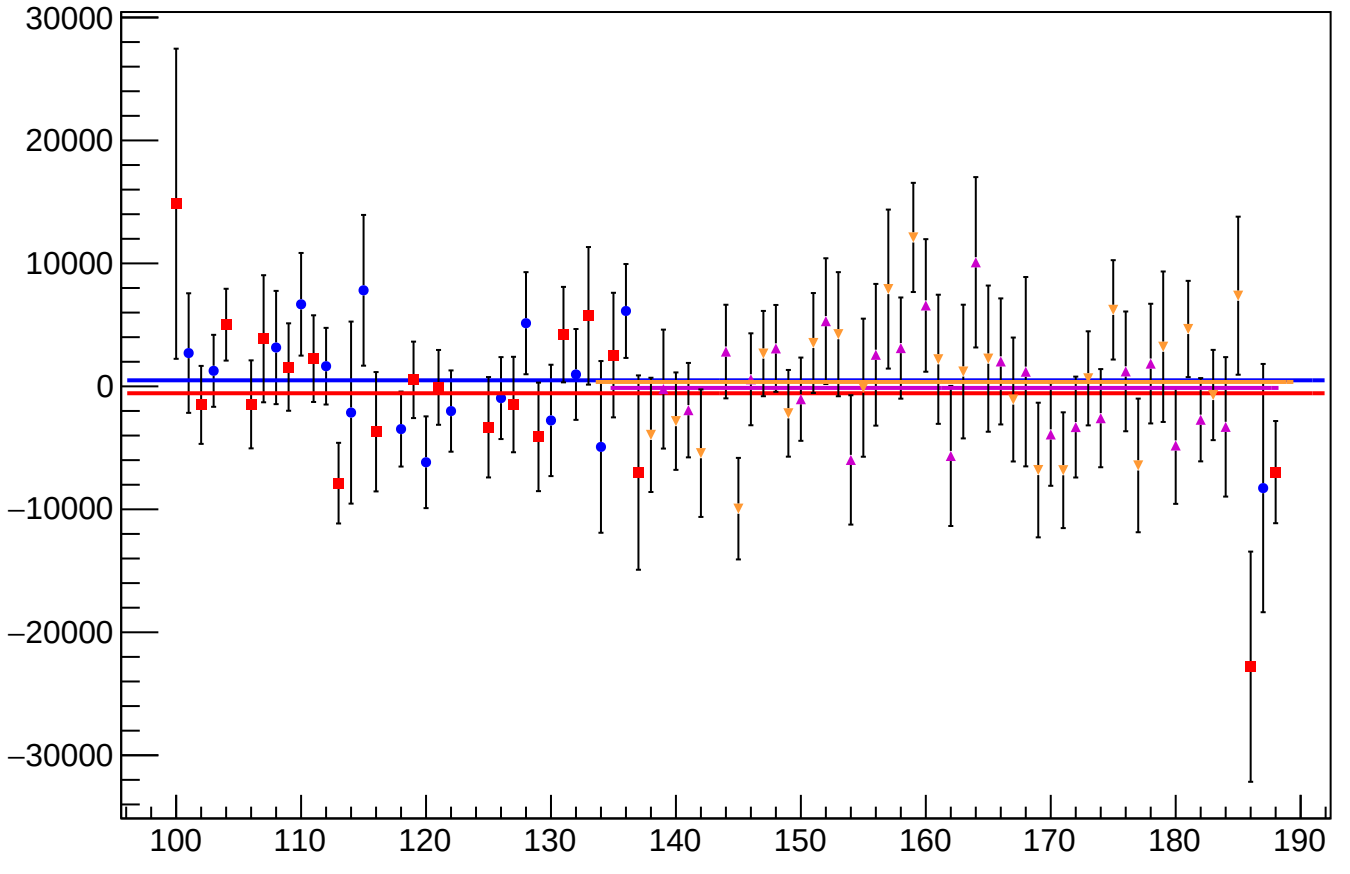
Right Out: 878.856+/-0.214 χ^2/NDF: 398124.7/19

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.300+/-0.142 χ^2/NDF: 1521388.4/40

All: 1008.365+/-0.099 χ^2/NDF: 3000188.8/83

- sign 1008.428+/-0.139 χ^2/NDF: 1478799.9/42



Right In: 492.400+/-975.273 χ^2/NDF: 15.5/16

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

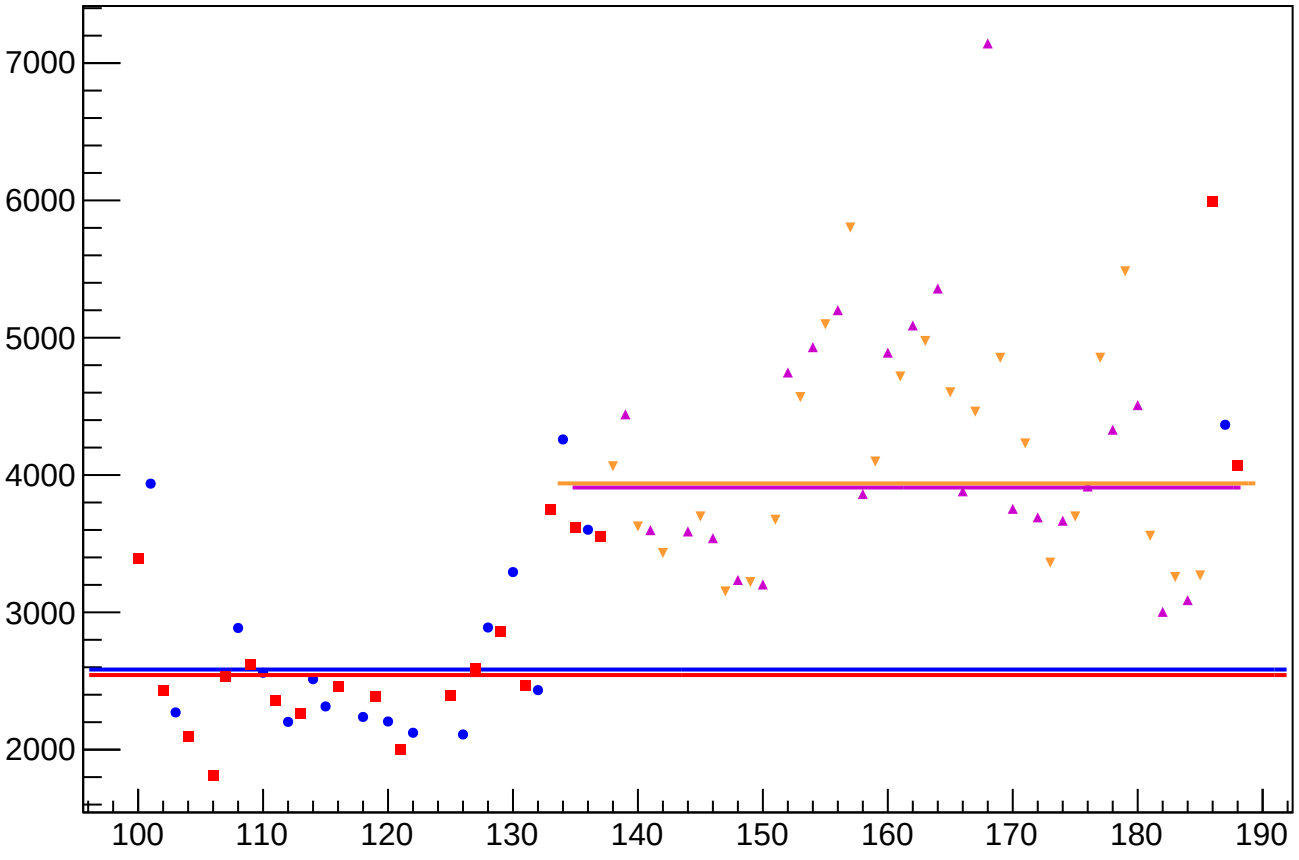
Right Out: -560.249+/-896.082 χ^2/NDF: 25.6/19

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

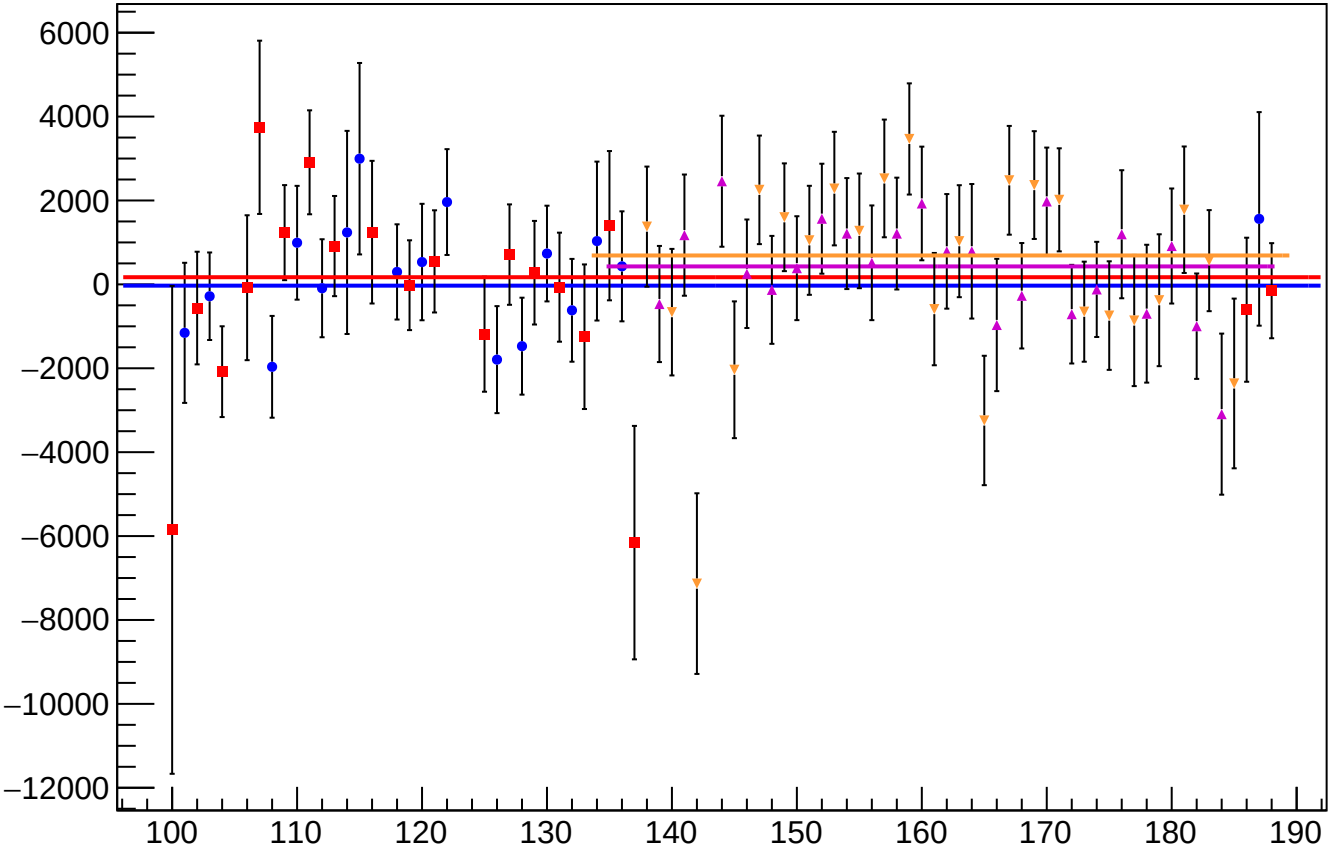
+ sign 422.170+/-674.640 χ^2/NDF: 45.7/40

All: 18.346+/-466.650 χ^2/NDF: 85.9/83

- sign -352.108+/-646.165 χ^2/NDF: 39.4/42


asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2583.524+/-0.690 χ²/NDF: 728805.2/16
Left Out: 3939.266+/-0.661 χ²/NDF:1092657.5/23
Right Out: 2543.137+/-0.634 χ²/NDF: 1003797.0/19
Left In: 3909.128+/-0.659 χ²/NDF:1300782.7/22
+ sign 3290.528+/-0.477 χ²/NDF: 3836934.3/40
All: 3242.704+/-0.330 χ²/NDF: 8391708.2/83
- sign 3198.832+/-0.457 χ²/NDF: 4535503.9/42

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -30.444+/-327.347 χ^2/NDF: 13.4/16

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 170.821+/-309.957 χ^2/NDF: 23.2/19

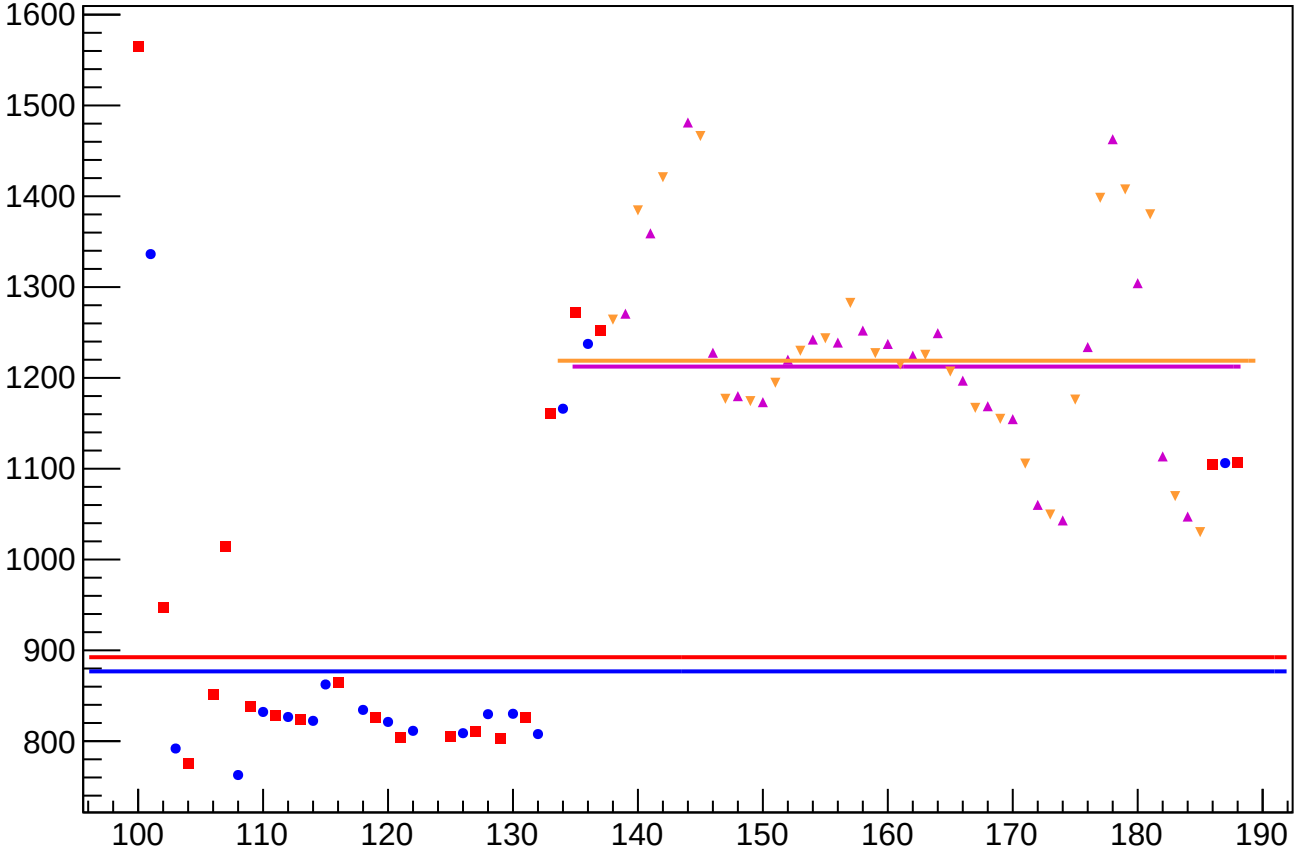
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 379.603+/-214.686 χ^2/NDF: 61.9/40

All: 344.207+/-149.956 χ^2/NDF: 100.1/83

- sign 310.485+/-209.548 χ^2/NDF: 38.2/42

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 876.828+/-0.231 χ^2/NDF: 433611.5/16

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 892.438+/-0.219 χ^2/NDF: 404831.0/19

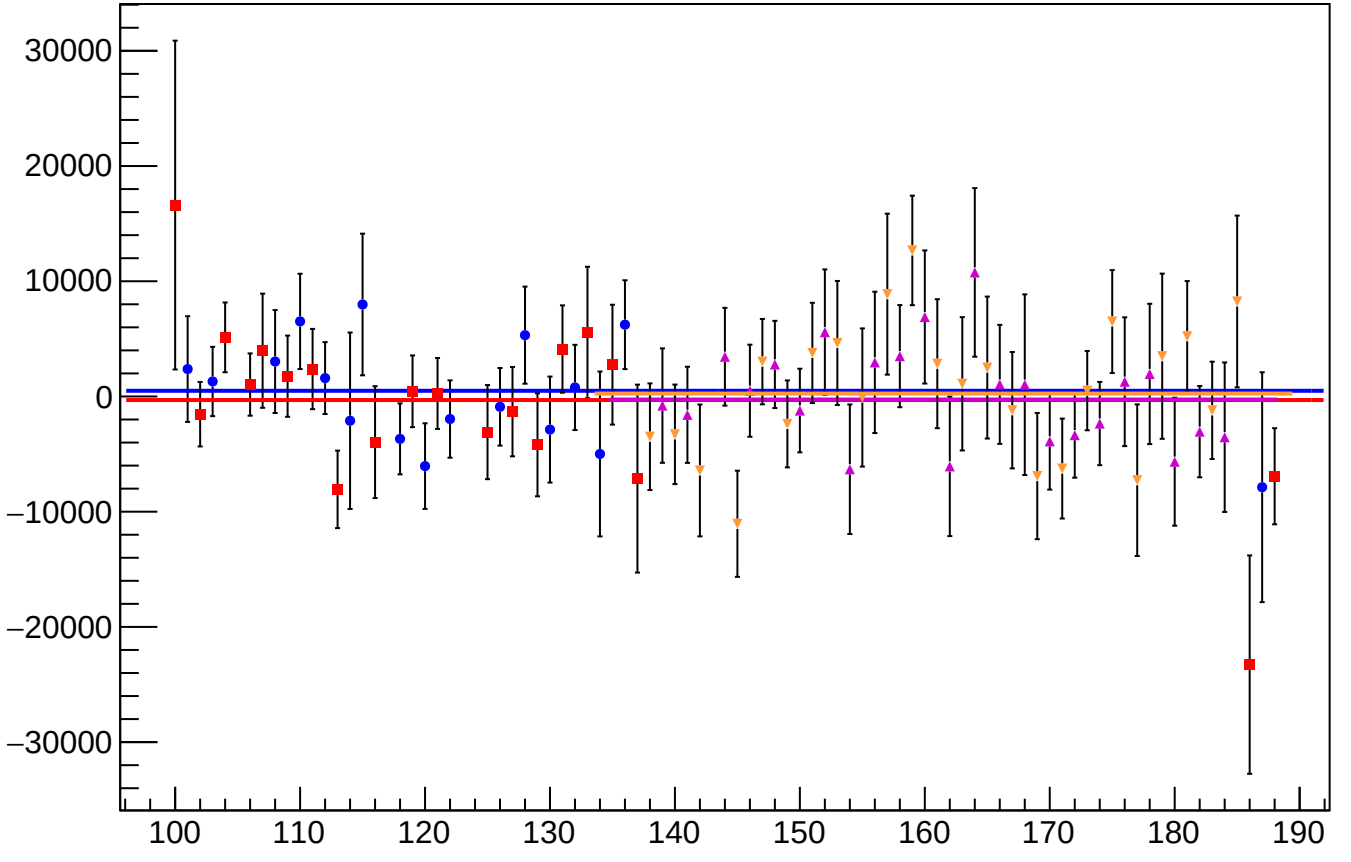
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1071.784+/-0.152 χ^2/NDF: 1972292.4/40

All: 1068.845+/-0.106 χ^2/NDF: 3796758.6/83

- sign 1066.047+/-0.148 χ^2/NDF: 1823734.4/42

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 493.673+/-980.121 χ^2/NDF: 15.4/16

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -310.367+/-870.569 χ^2/NDF: 25.9/19

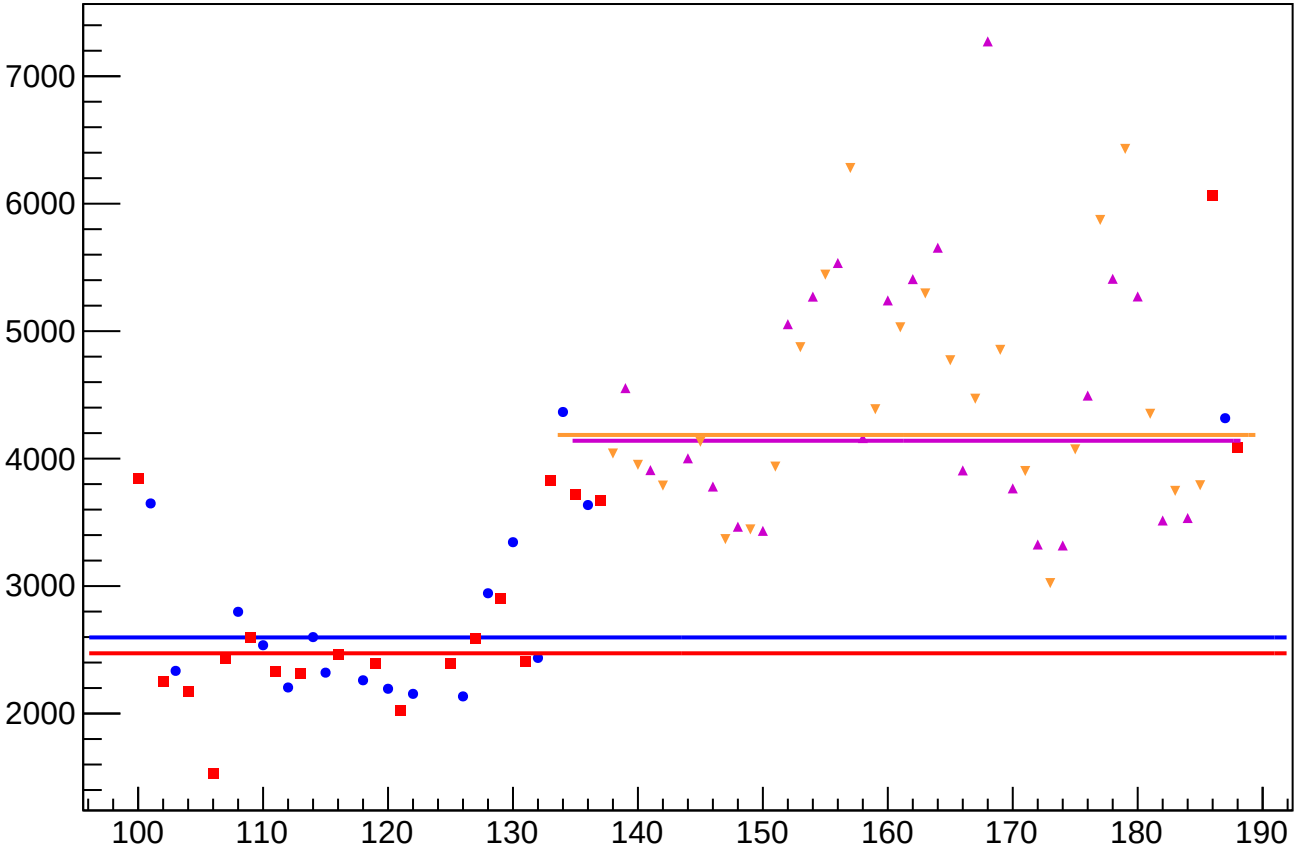
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 375.070+/-698.303 χ^2/NDF: 45.1/40

All: 20.059+/-477.256 χ^2/NDF: 84.9/83

- sign -291.124+/-653.778 χ^2/NDF: 39.3/42

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2597.147+/-0.693 χ^2/NDF: 677211.5/16

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2472.613+/-0.616 χ^2/NDF: 1227250.3/19

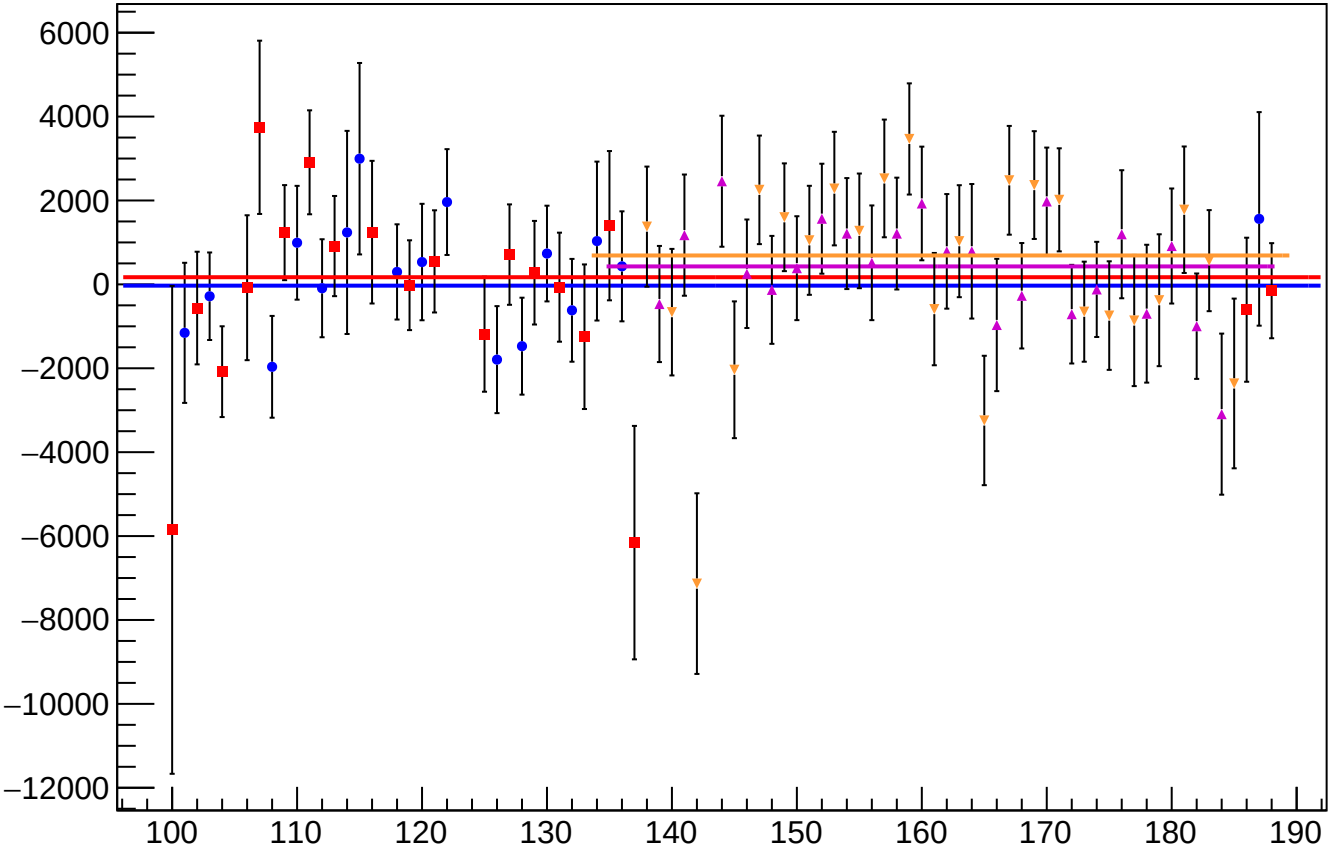
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3379.317+/-0.494 χ^2/NDF: 4535245.9/40

All: 3283.583+/-0.337 χ^2/NDF: 10482159.9/8

- sign 3199.668+/-0.462 χ^2/NDF: 5876374.9/42

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -30.448+/-327.347 χ^2/NDF: 13.4/16

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 170.826+/-309.957 χ^2/NDF: 23.2/19

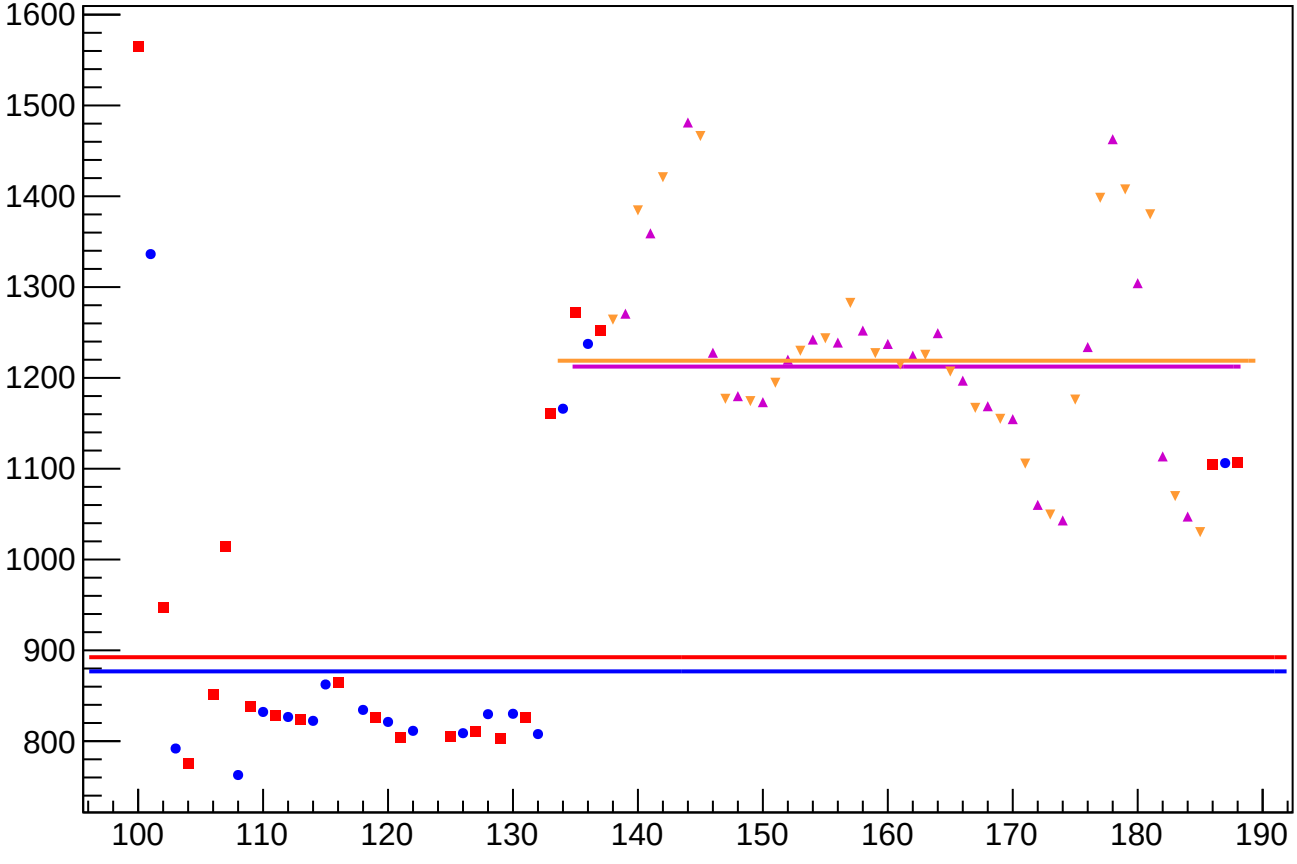
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 379.602+/-214.686 χ^2/NDF: 61.9/40

All: 344.207+/-149.956 χ^2/NDF: 100.1/83

- sign 310.486+/-209.548 χ^2/NDF: 38.2/42

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 876.829+/-0.231 χ^2/NDF: 433611.3/16

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

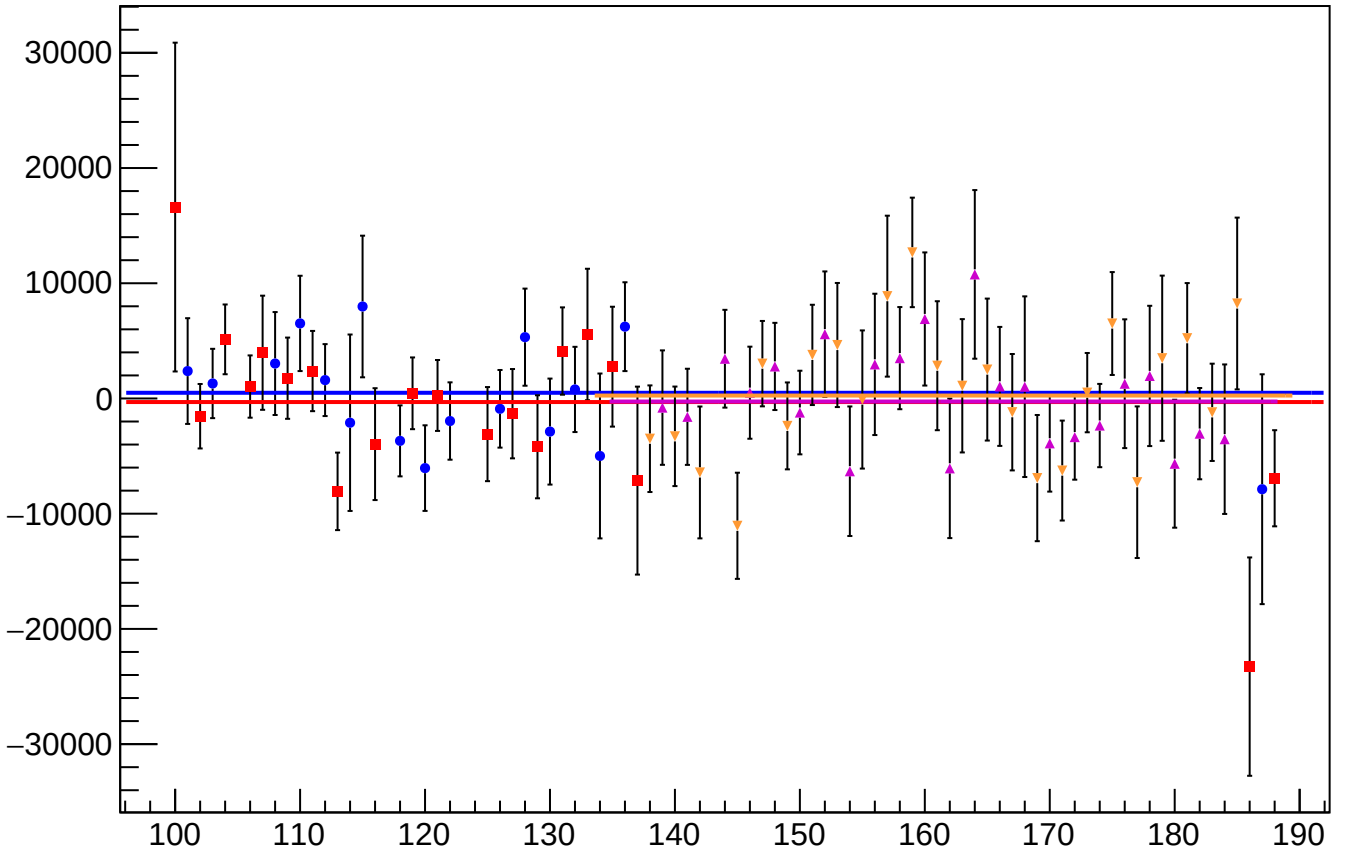
Right Out: 892.438+/-0.219 χ^2/NDF: 404830.6/19

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1071.785+/-0.152 χ^2/NDF: 1972309.0/40

All: 1068.845+/-0.106 χ^2/NDF: 3796791.7/83

- sign 1066.047+/-0.148 χ^2/NDF: 1823750.8/42



Right In: 493.669+/-980.119 χ^2/NDF: 15.4/16

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -310.363+/-870.567 χ^2/NDF: 25.9/19

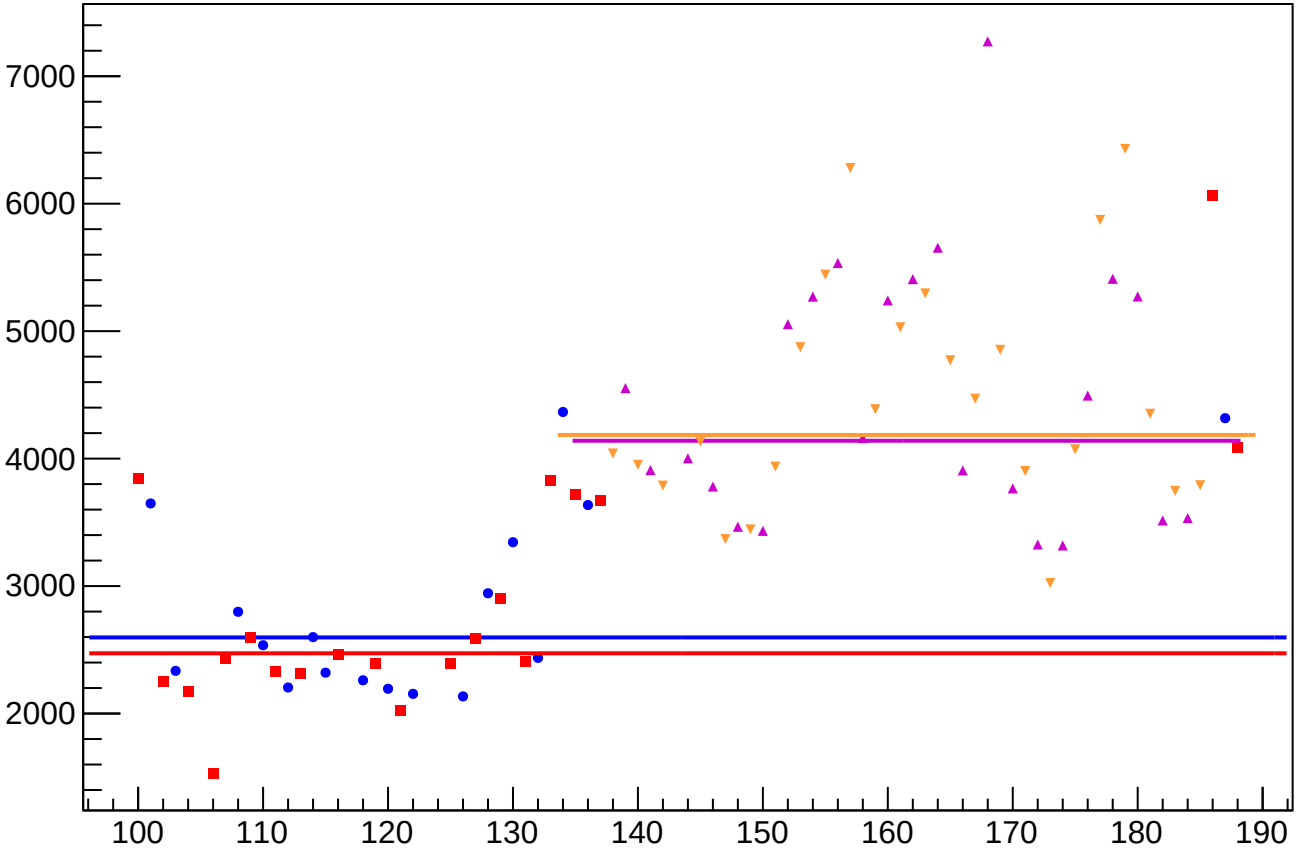
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 375.070+/-698.303 χ^2/NDF: 45.1/40

All: 20.059+/-477.256 χ^2/NDF: 84.9/83

- sign -291.122+/-653.778 χ^2/NDF: 39.3/42

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 2597.139+/-0.693 χ^2/NDF: 677219.7/16

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2472.606+/-0.616 χ^2/NDF: 1227259.0/19

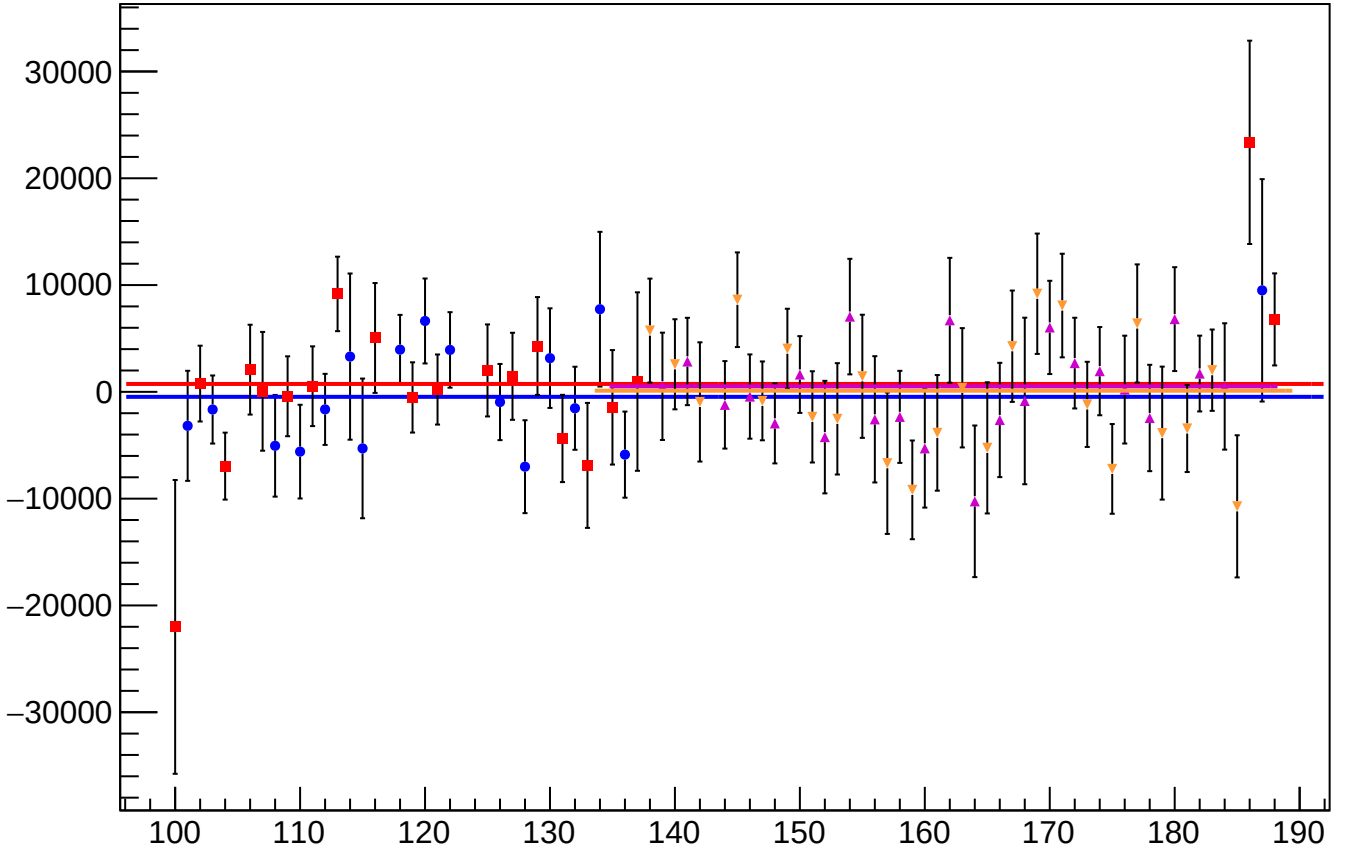
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3379.313+/-0.494 χ^2/NDF: 4535309.2/40

All: 3283.579+/-0.337 χ^2/NDF: 10482288.6/8

- sign 3199.664+/-0.462 χ^2/NDF: 5876440.1/42

asym_usl_atl2_dd_mean vs Slug



Right In: -466.541+/-1035.160 χ^2/NDF: 17.2/16

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 740.321+/-958.495 χ^2/NDF: 27.5/19

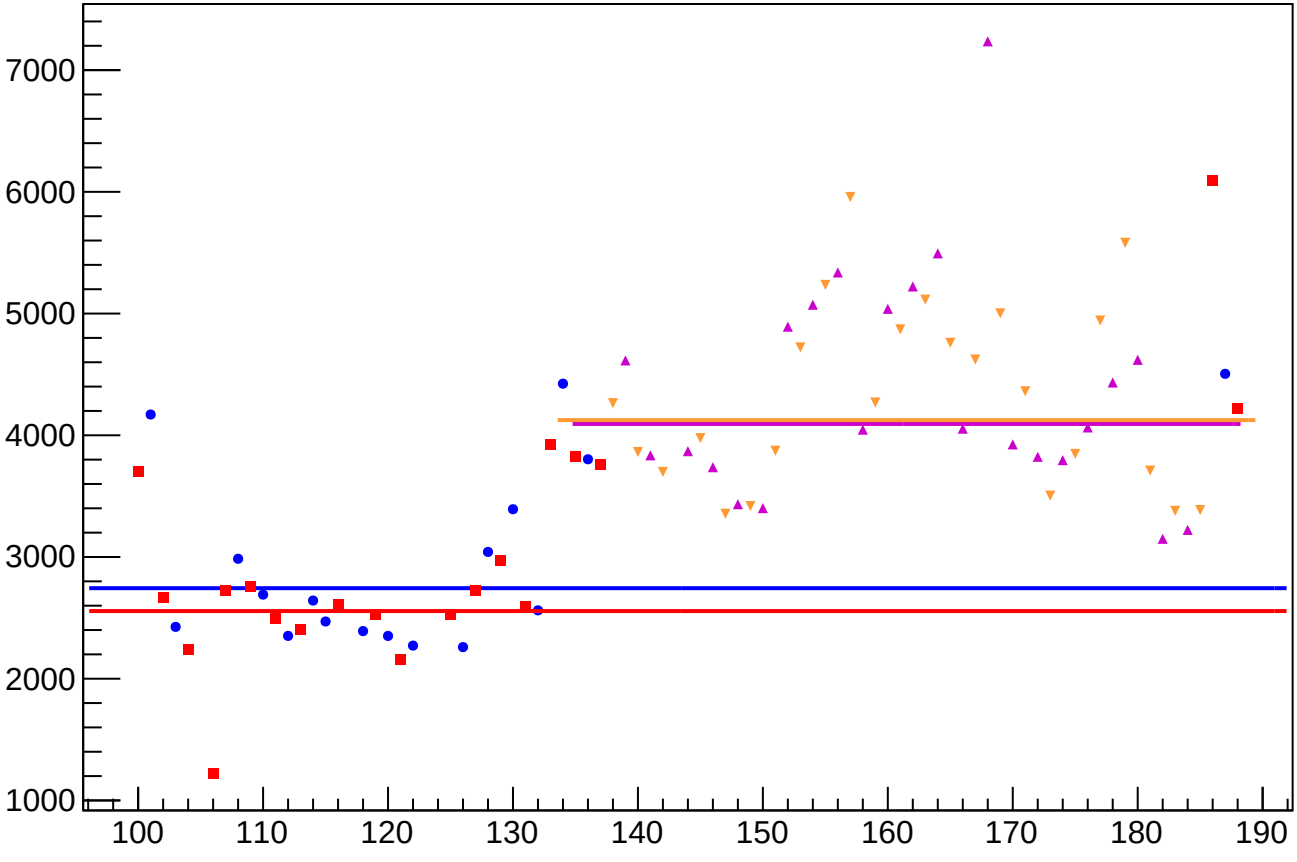
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

\+ sign -161.755+/-709.975 χ^2/NDF: 45.4/40

All: 247.522+/-492.302 χ^2/NDF: 87.0/83

\- sign 626.549+/-683.234 χ^2/NDF: 41.0/42

asym_usl_atl2_dd_rms vs Slug



Right In: 2743.810+/-0.732 χ^2/NDF: 680856.7/16

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

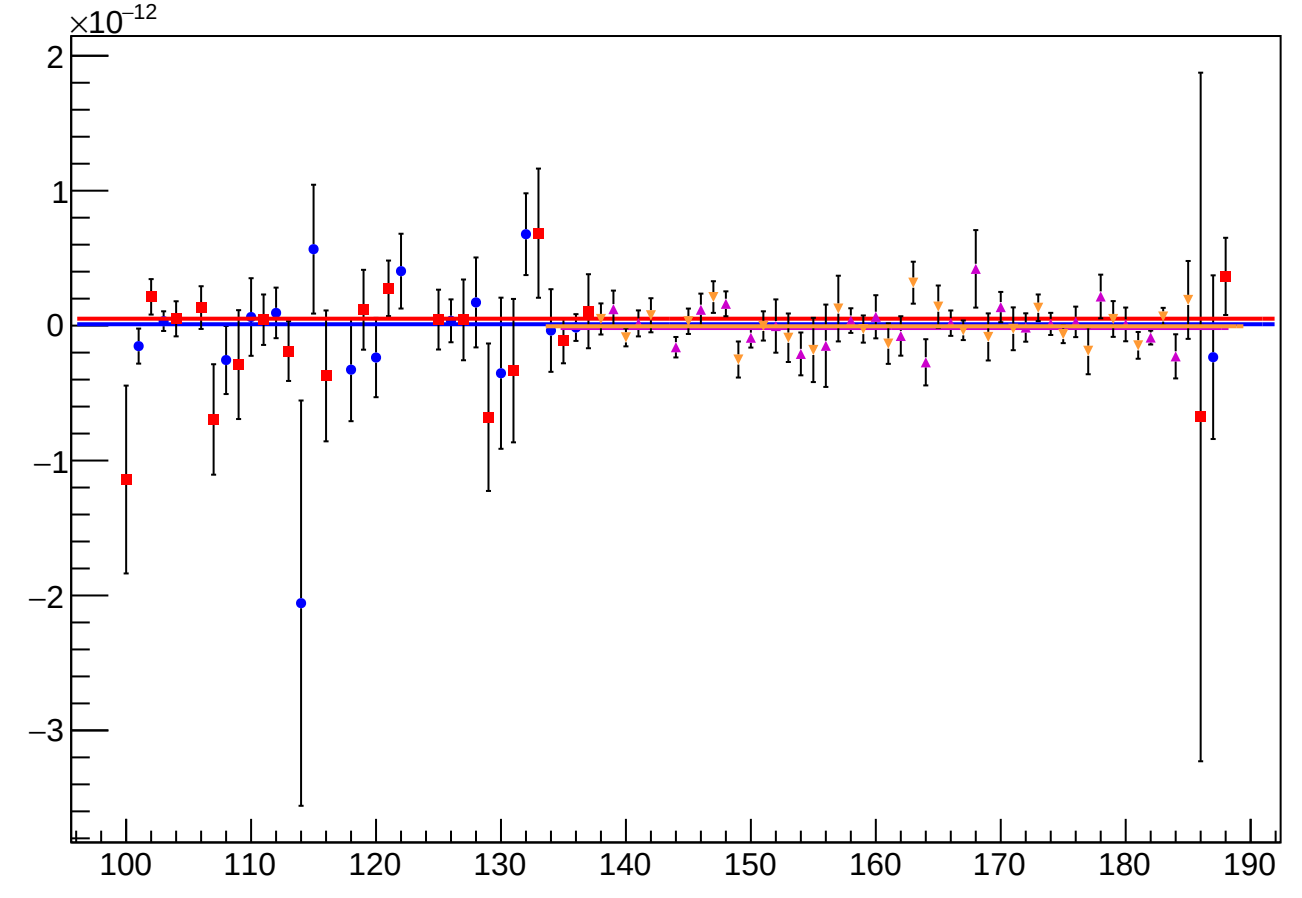
Right Out: 2555.940+/-0.648 χ^2/NDF: 1496435.3/19

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3475.008+/-0.502 χ^2/NDF: 3535054.2/40

All: 3370.562+/-0.344 χ^2/NDF: 8915712.1/83

- sign 3278.169+/-0.472 χ^2/NDF: 5299085.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

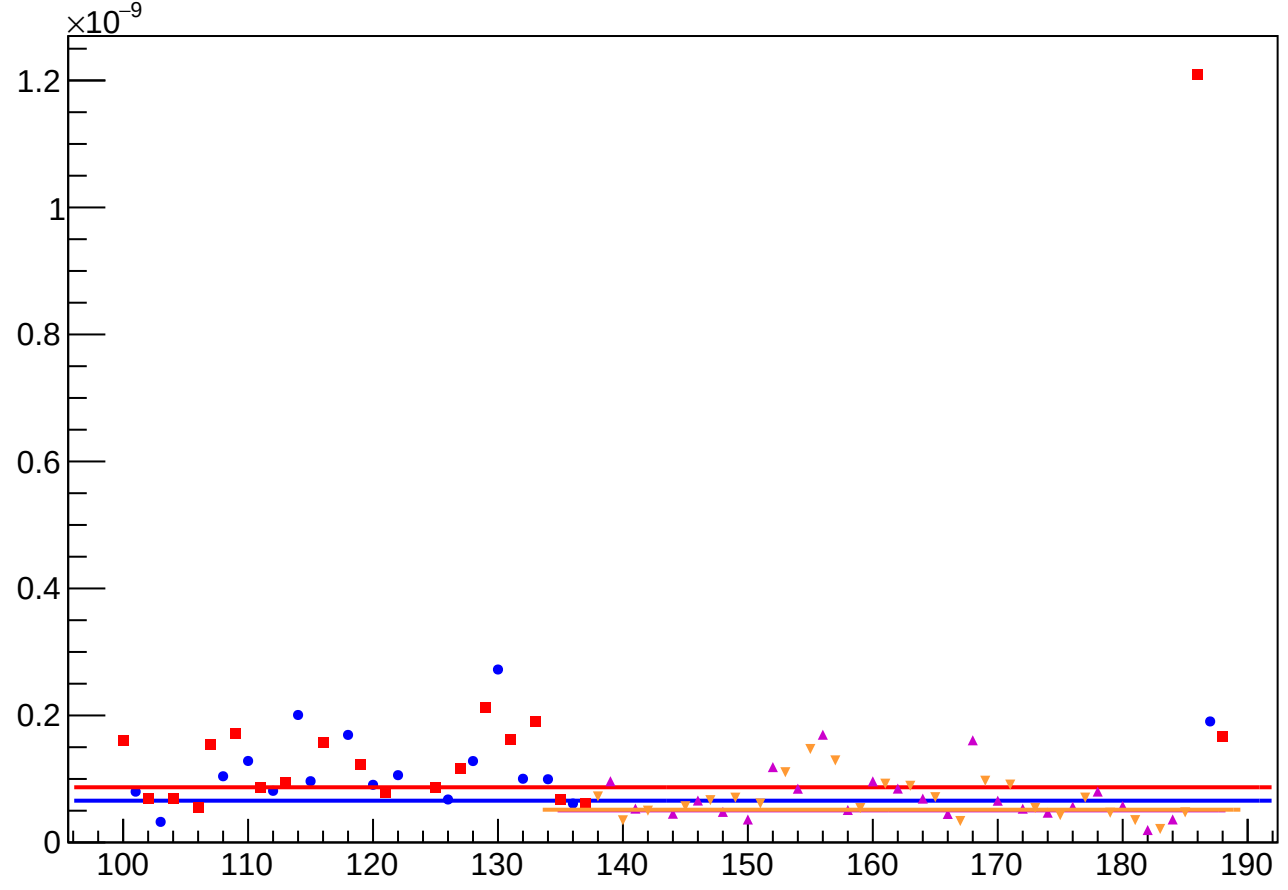
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/19

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.8/40

All: -0.000+/-0.000 χ^2/NDF: 85.3/83

- sign -0.000+/-0.000 χ^2/NDF: 45.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 1307737.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1240294.6/19

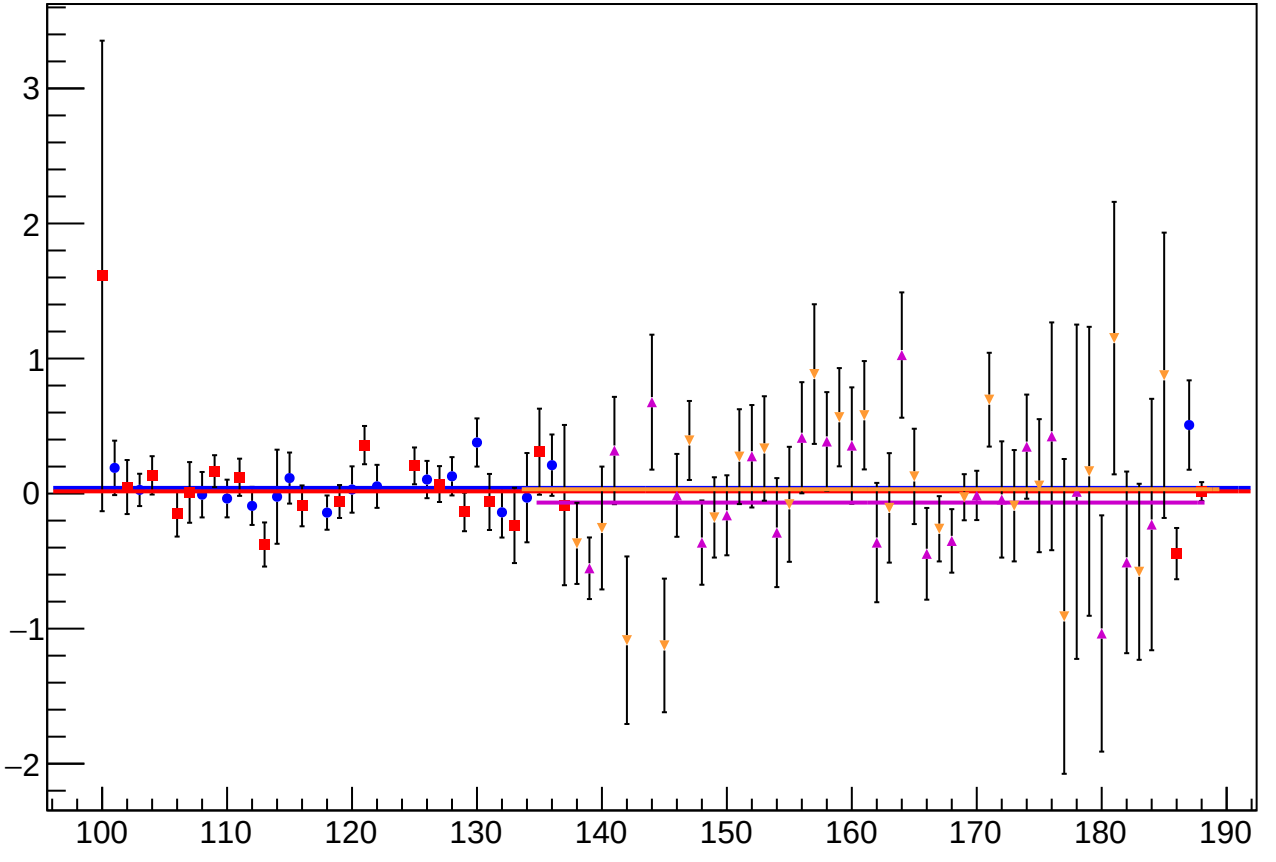
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 3743676.0/40

All: 0.000+/-0.000 χ^2/NDF: 8242251.0/83

- sign 0.000+/-0.000 χ^2/NDF: 4492953.2/42

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.042+/-0.041 χ^2/NDF: 11.8/16

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.017+/-0.033 χ^2/NDF: 28.2/19

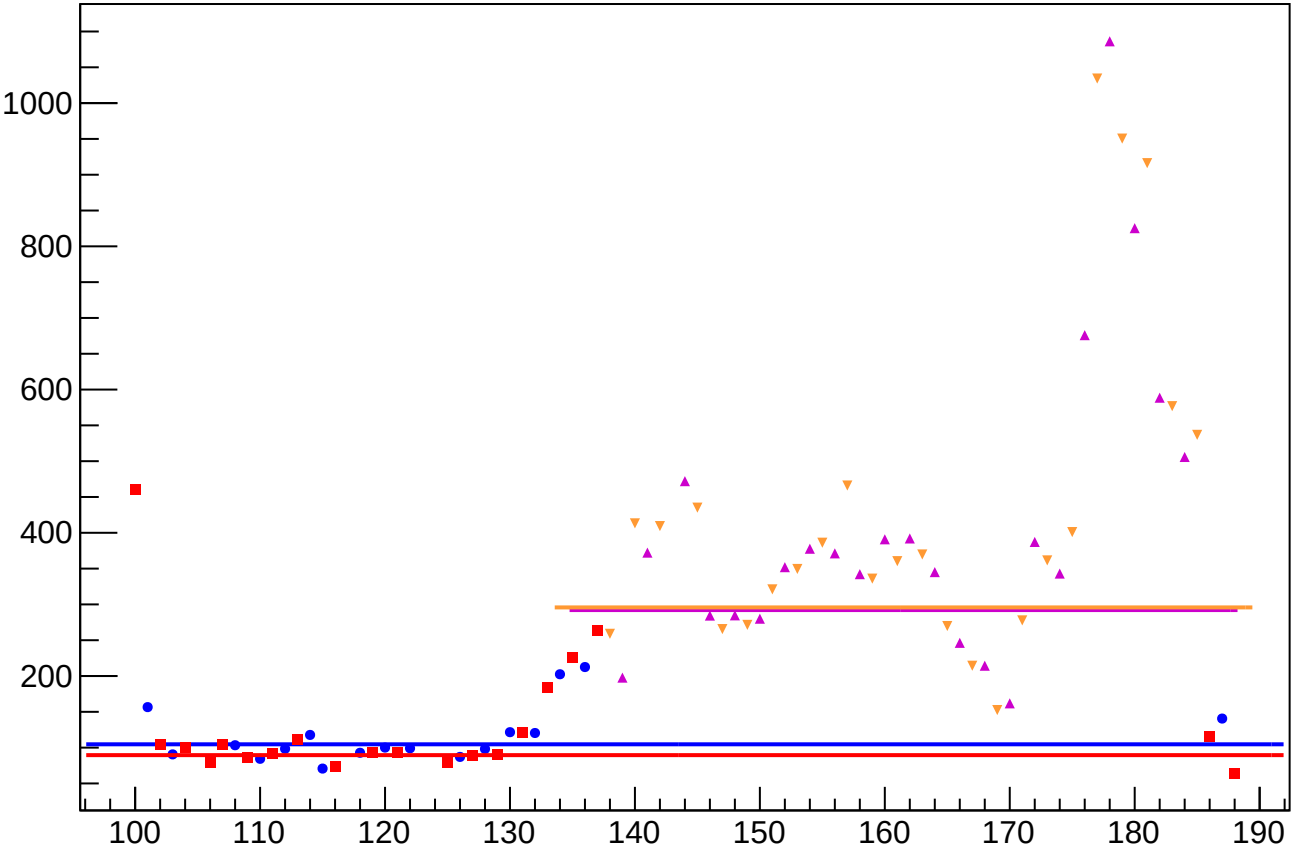
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.040+/-0.036 χ^2/NDF: 41.5/40

All: 0.018+/-0.023 χ^2/NDF: 97.0/83

- sign 0.003+/-0.031 χ^2/NDF: 54.9/42

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.651+/-0.029 χ^2/NDF: 1013802.0/16

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

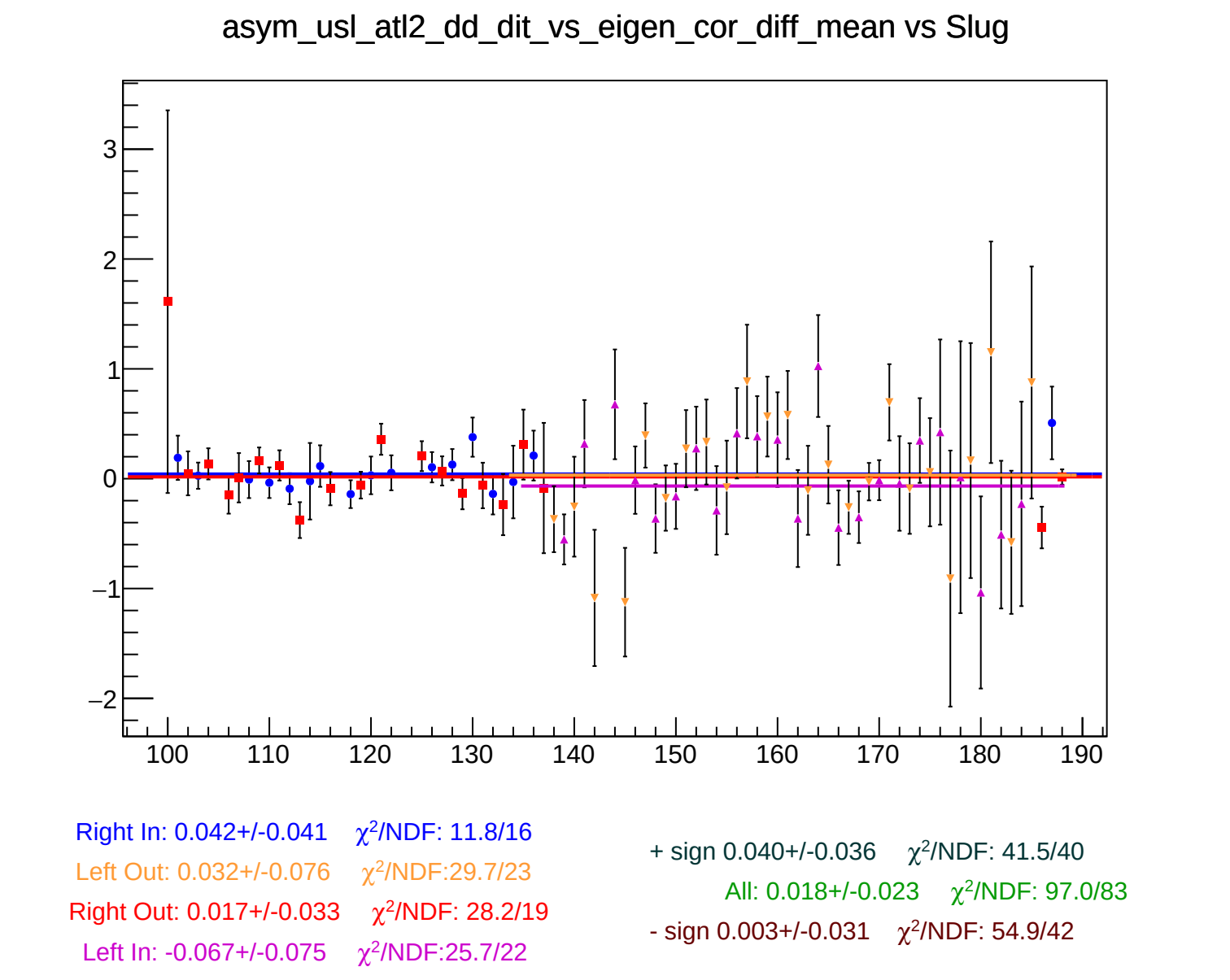
Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.4/19

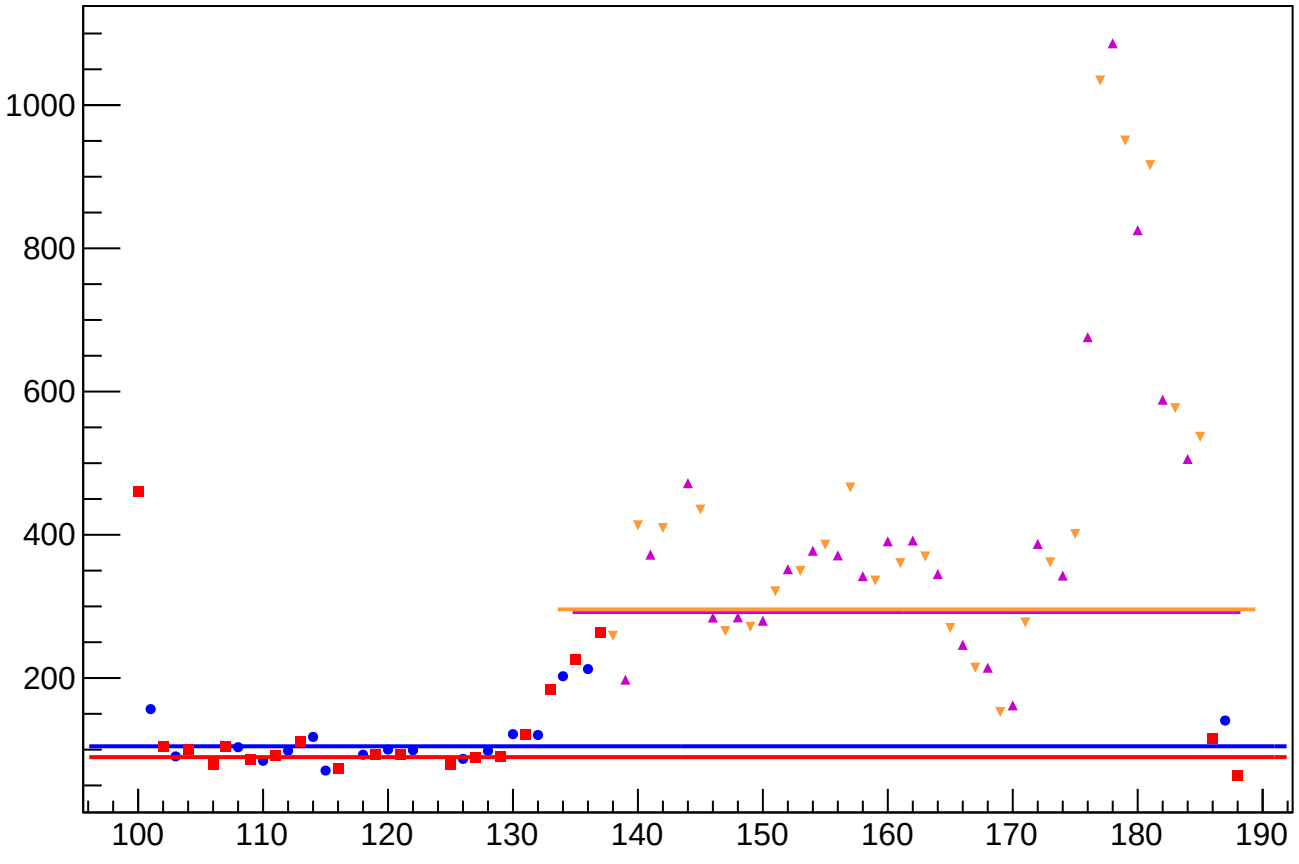
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.279+/-0.025 χ^2/NDF: 16343539.7/40

All: 133.362+/-0.016 χ^2/NDF: 35503509.4/83

- sign 123.305+/-0.022 χ^2/NDF: 18641965.7/42


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.042+/-0.041 χ²/NDF: 11.8/16
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.017+/-0.033 χ²/NDF: 28.2/19
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.040+/-0.036 χ²/NDF: 41.5/40
All: 0.018+/-0.023 χ²/NDF: 97.0/83
- sign 0.003+/-0.031 χ²/NDF: 54.9/42



Right In: 104.651+/-0.029 χ^2/NDF: 1013802.0/16

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

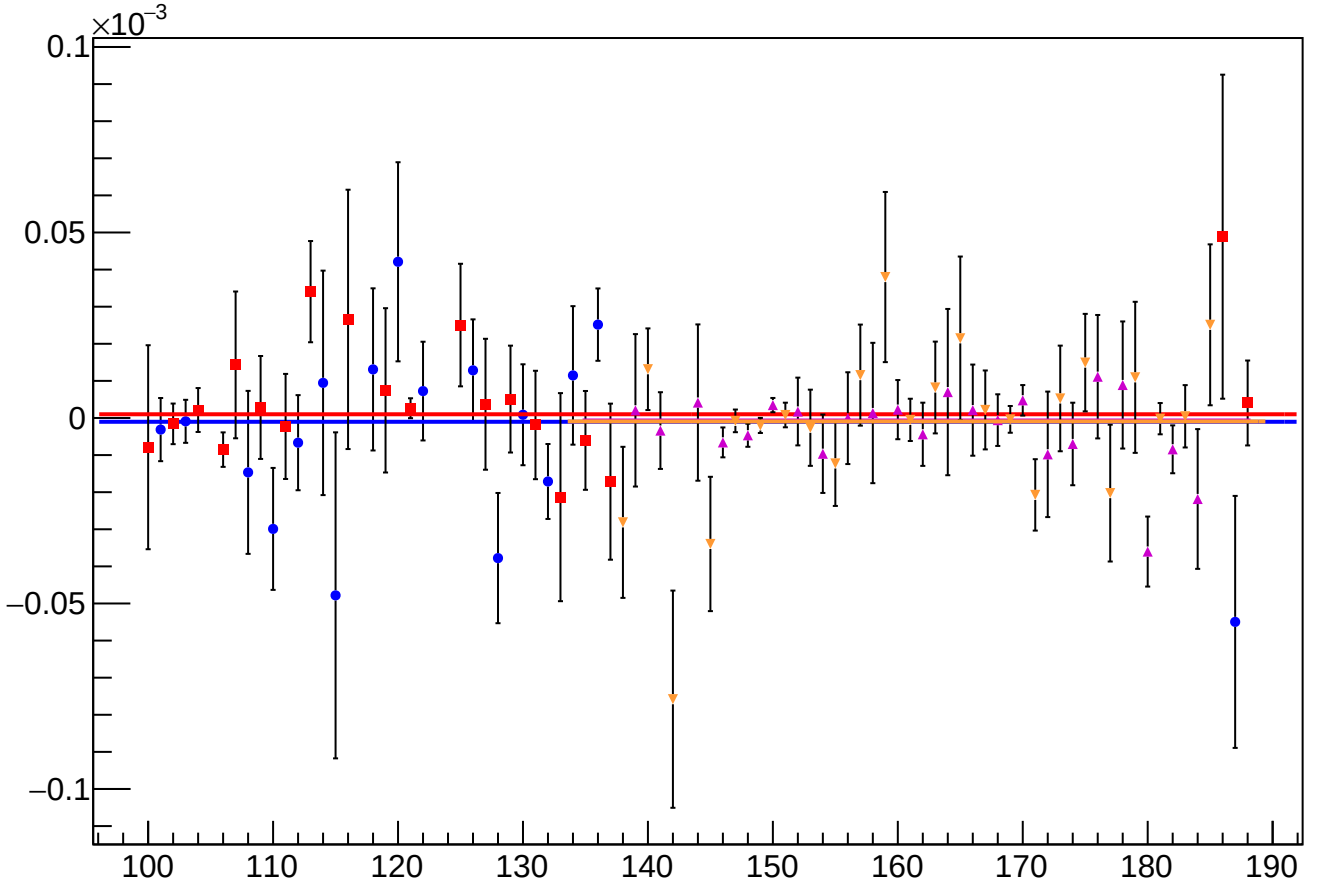
Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.4/19

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.279+/-0.025 χ^2/NDF: 16343539.7/40

All: 133.362+/-0.016 χ^2/NDF: 35503509.4/83

- sign 123.305+/-0.022 χ^2/NDF: 18641965.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

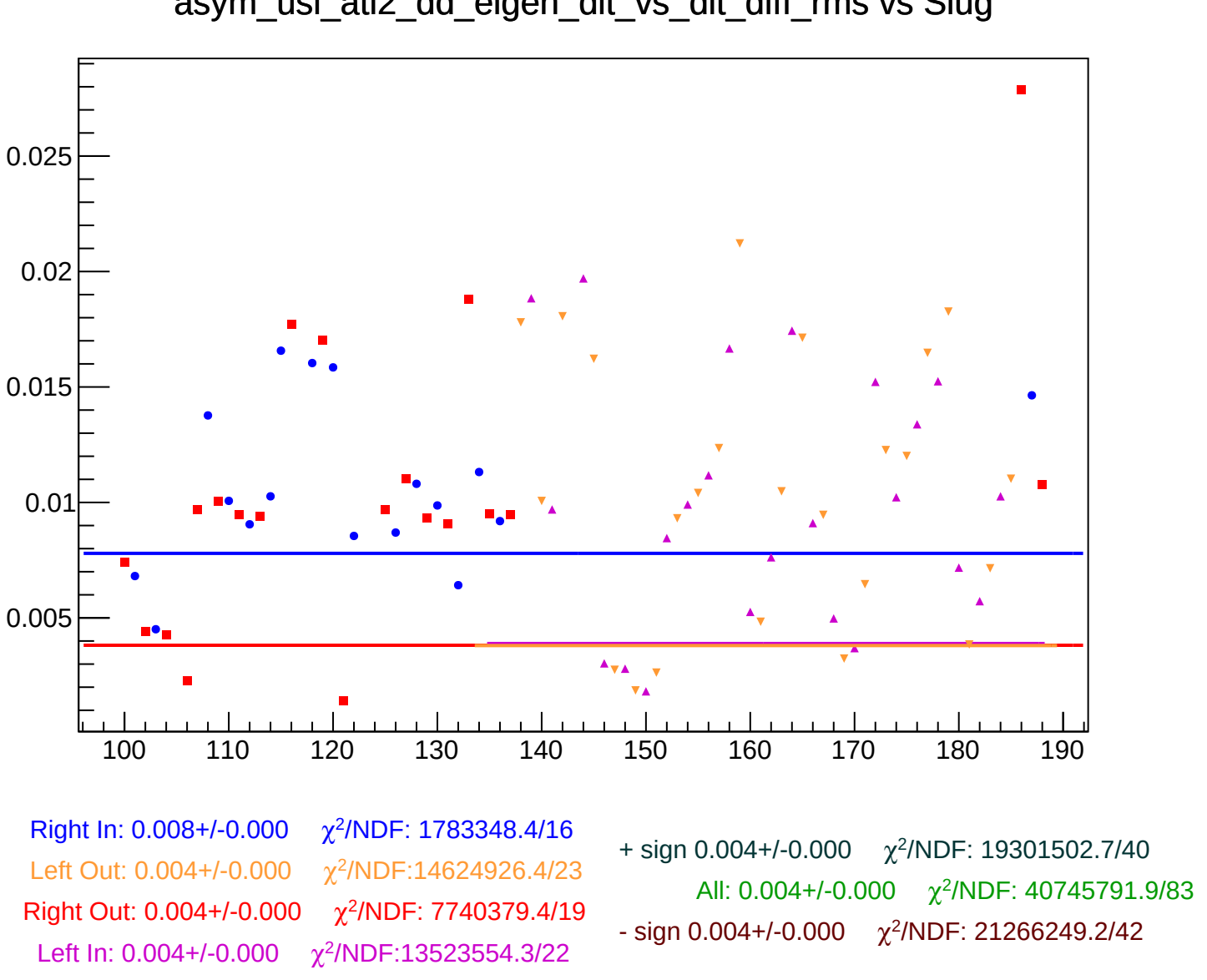
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/19

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

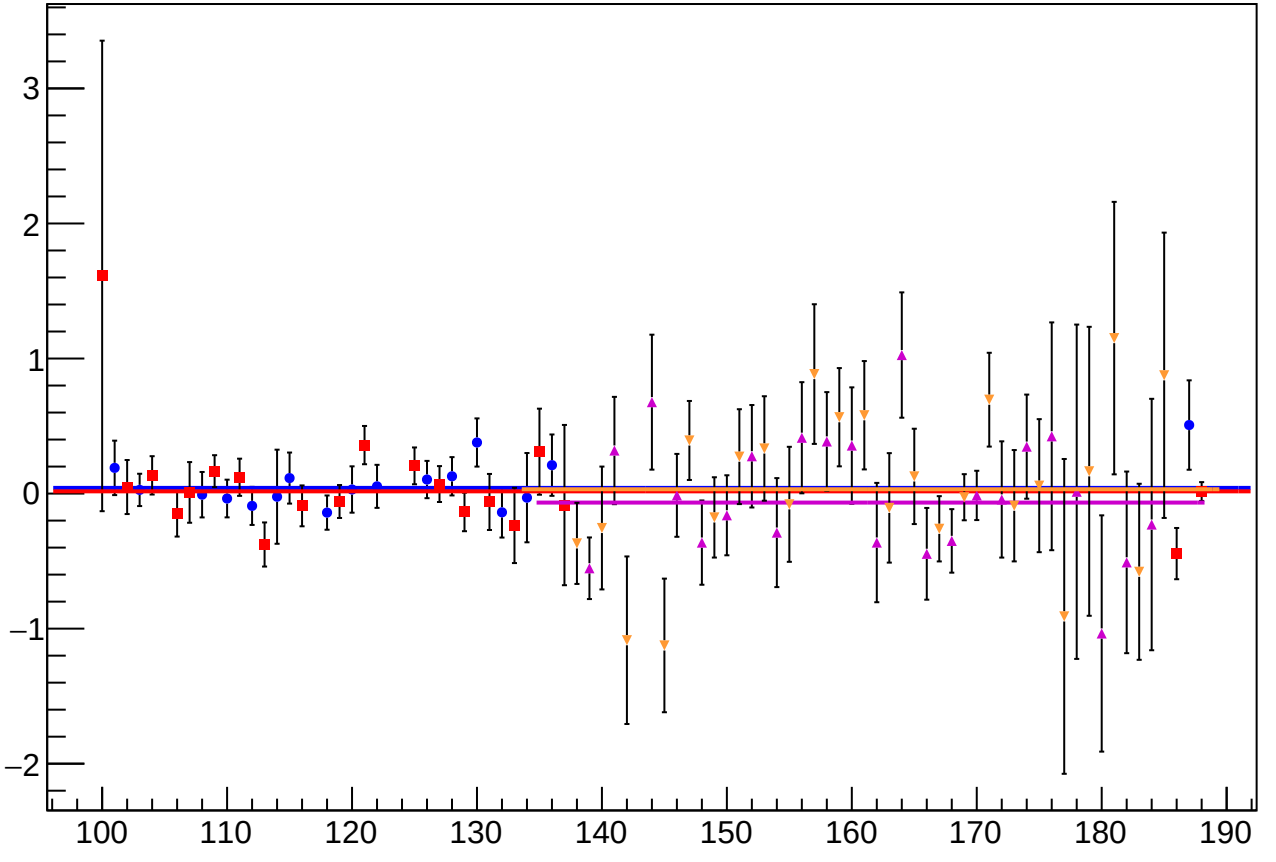
+ sign -0.000+/-0.000 χ^2/NDF: 55.6/40

All: -0.000+/-0.000 χ^2/NDF: 103.4/83

- sign -0.000+/-0.000 χ^2/NDF: 47.5/42


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.000 χ²/NDF: 1783348.4/16
Left Out: 0.004+/-0.000 χ²/NDF:14624926.4/23
Right Out: 0.004+/-0.000 χ²/NDF: 7740379.4/19
Left In: 0.004+/-0.000 χ²/NDF:13523554.3/22
+ sign 0.004+/-0.000 χ²/NDF: 19301502.7/40
All: 0.004+/-0.000 χ²/NDF: 40745791.9/83
- sign 0.004+/-0.000 χ²/NDF: 21266249.2/42

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.042+/-0.041 χ^2/NDF: 11.8/16

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

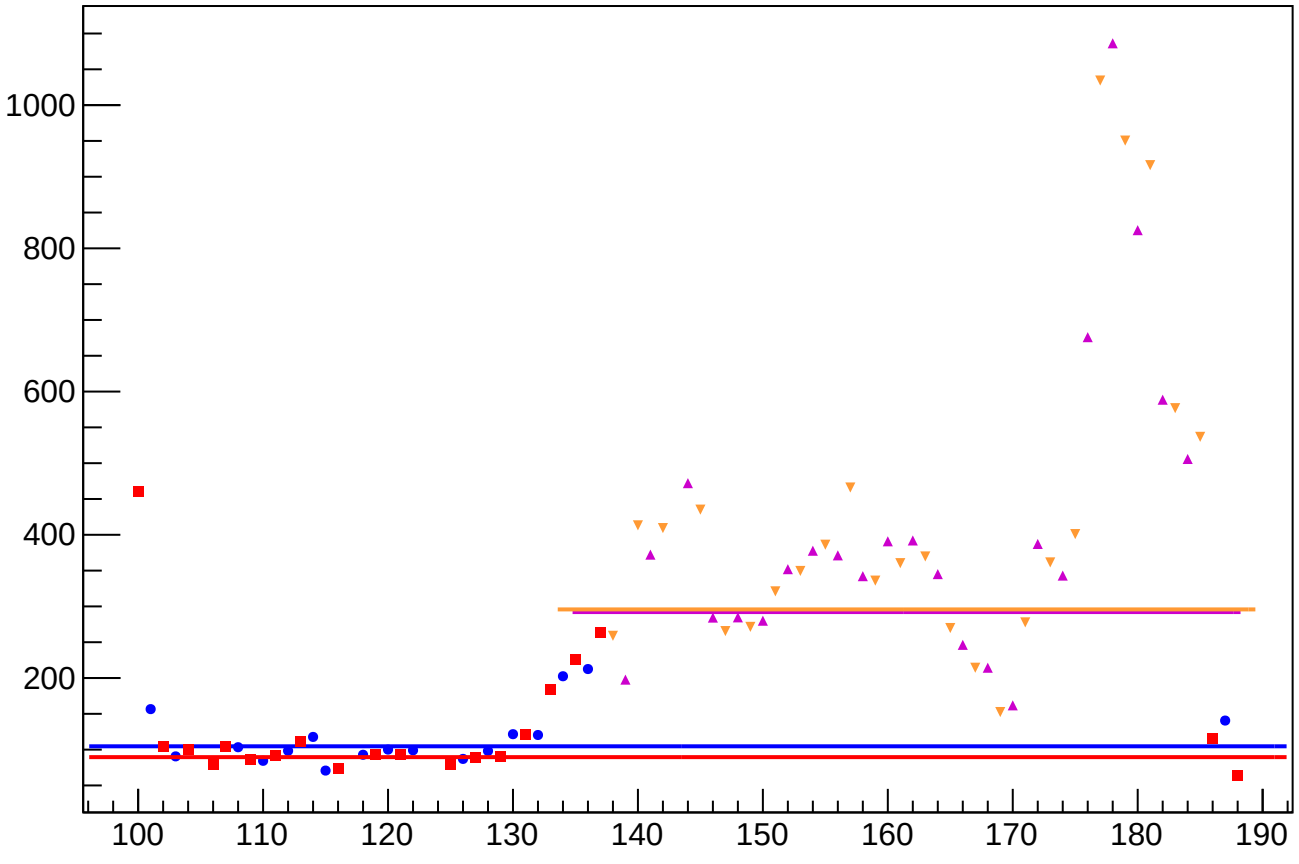
Right Out: 0.017+/-0.033 χ^2/NDF: 28.2/19

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.040+/-0.036 χ^2/NDF: 41.5/40

All: 0.018+/-0.023 χ^2/NDF: 97.0/83

- sign 0.003+/-0.031 χ^2/NDF: 54.9/42



Right In: 104.652+/-0.029 χ^2/NDF: 1013759.0/16

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

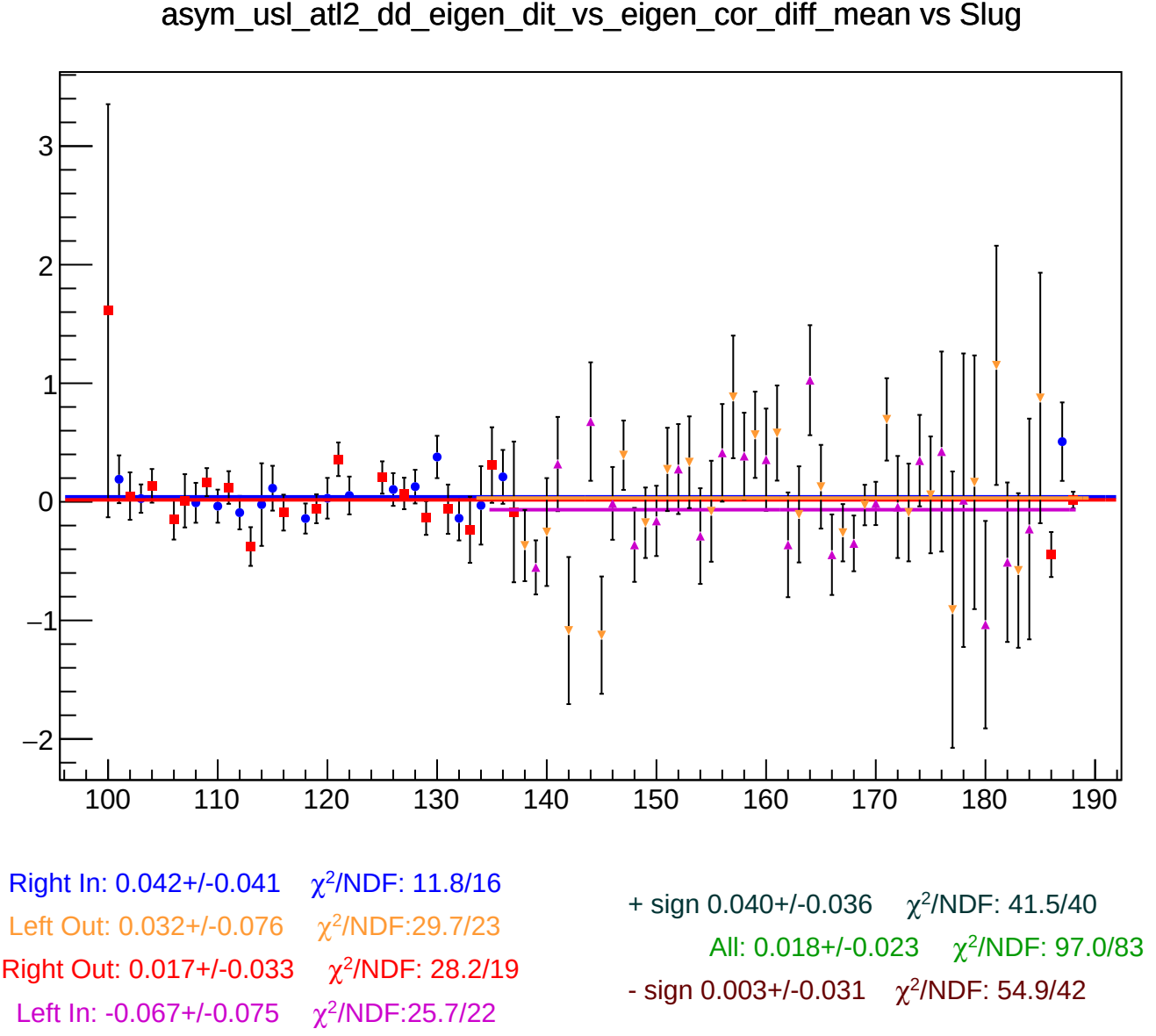
Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.2/19

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.280+/-0.025 χ^2/NDF: 16343516.3/40

All: 133.362+/-0.016 χ^2/NDF: 35503823.5/83

- sign 123.304+/-0.022 χ^2/NDF: 18642215.7/42


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
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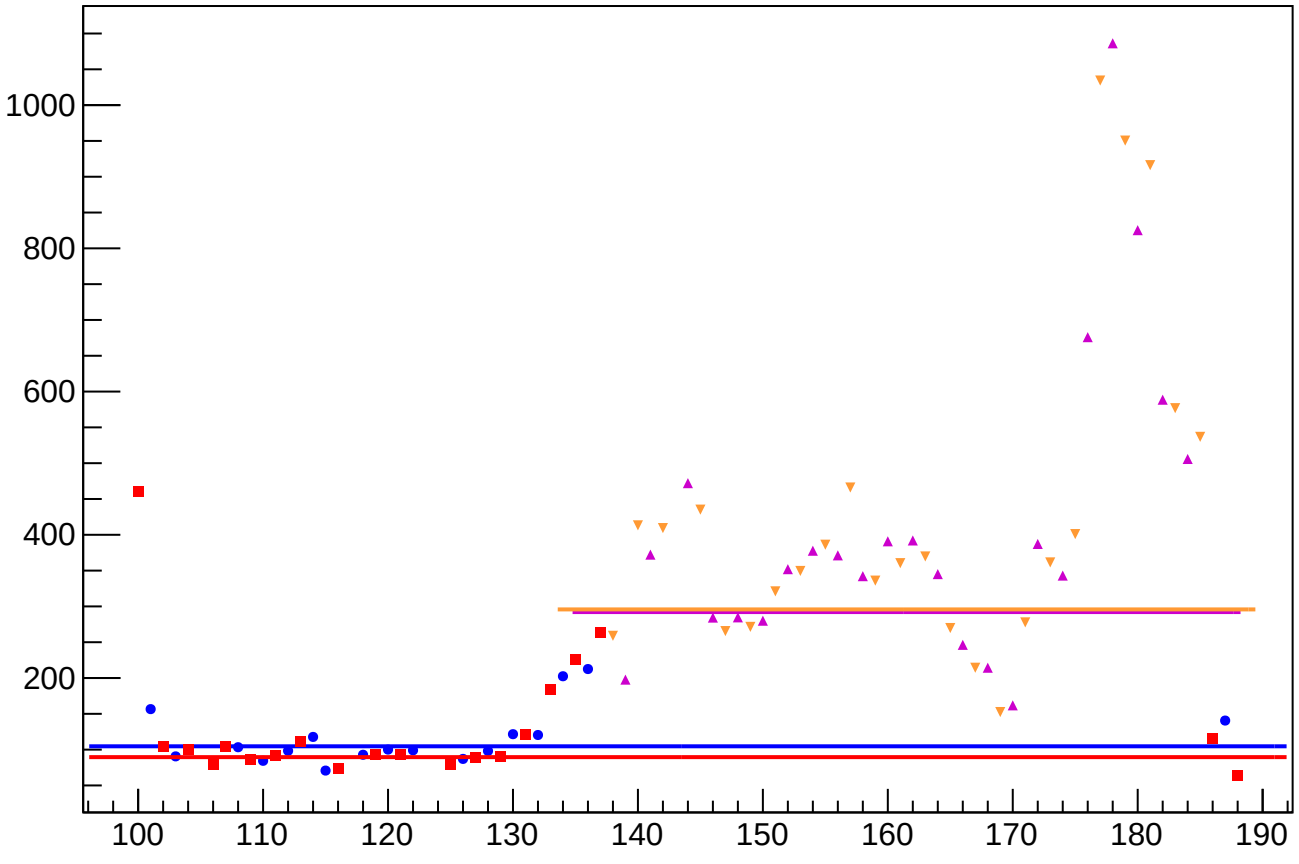
100
110
120
130
140
150
160
170
180
190
Right In: 0.042+/-0.041 χ²/NDF: 11.8/16
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.017+/-0.033 χ²/NDF: 28.2/19
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.040+/-0.036 χ²/NDF: 41.5/40
All: 0.018+/-0.023 χ²/NDF: 97.0/83
- sign 0.003+/-0.031 χ²/NDF: 54.9/42



Right In: 104.652+/-0.029 χ^2/NDF: 1013759.0/16

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

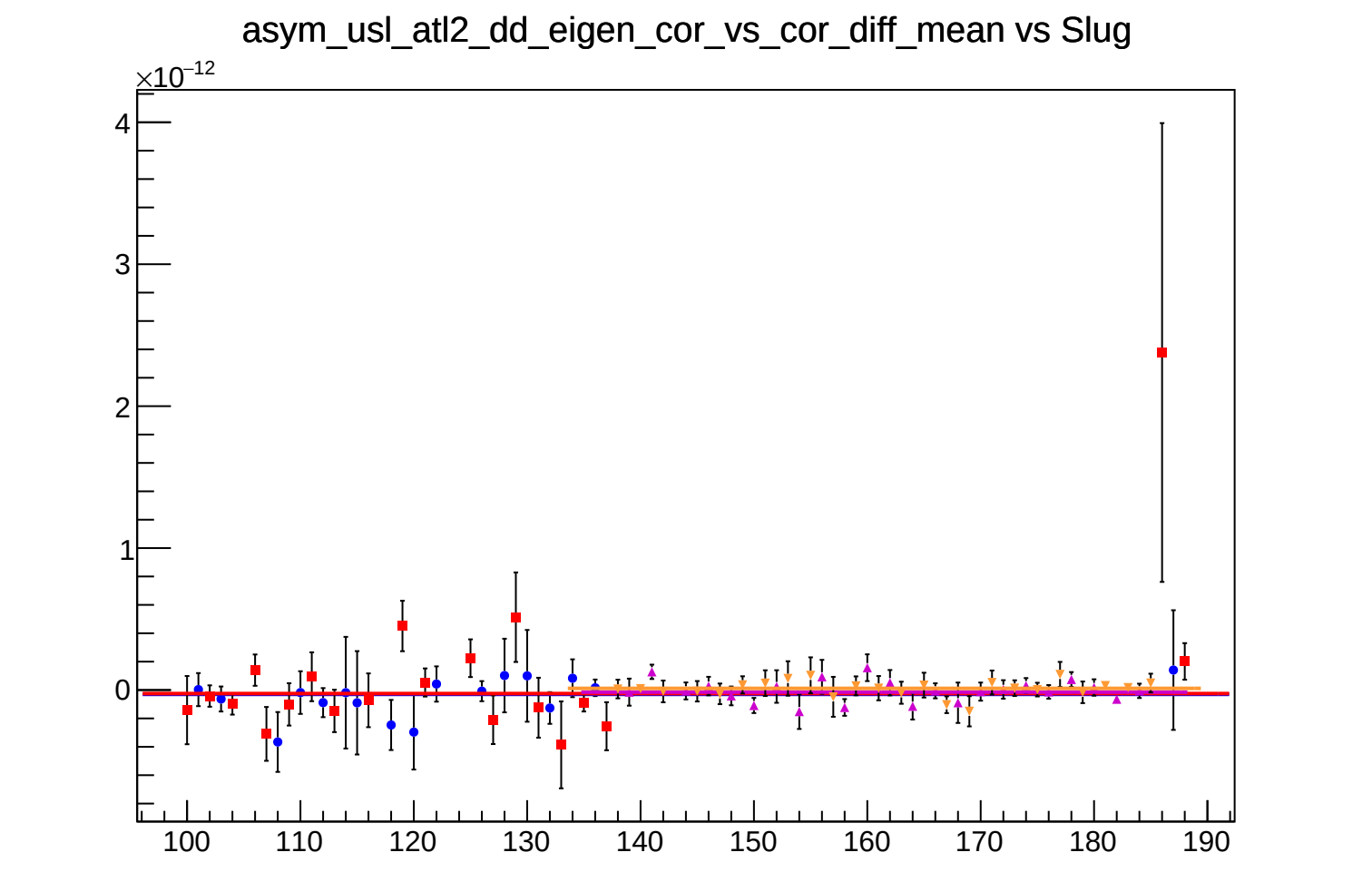
Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.2/19

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.280+/-0.025 χ^2/NDF: 16343516.3/40

All: 133.362+/-0.016 χ^2/NDF: 35503823.5/83

- sign 123.304+/-0.022 χ^2/NDF: 18642215.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 8.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

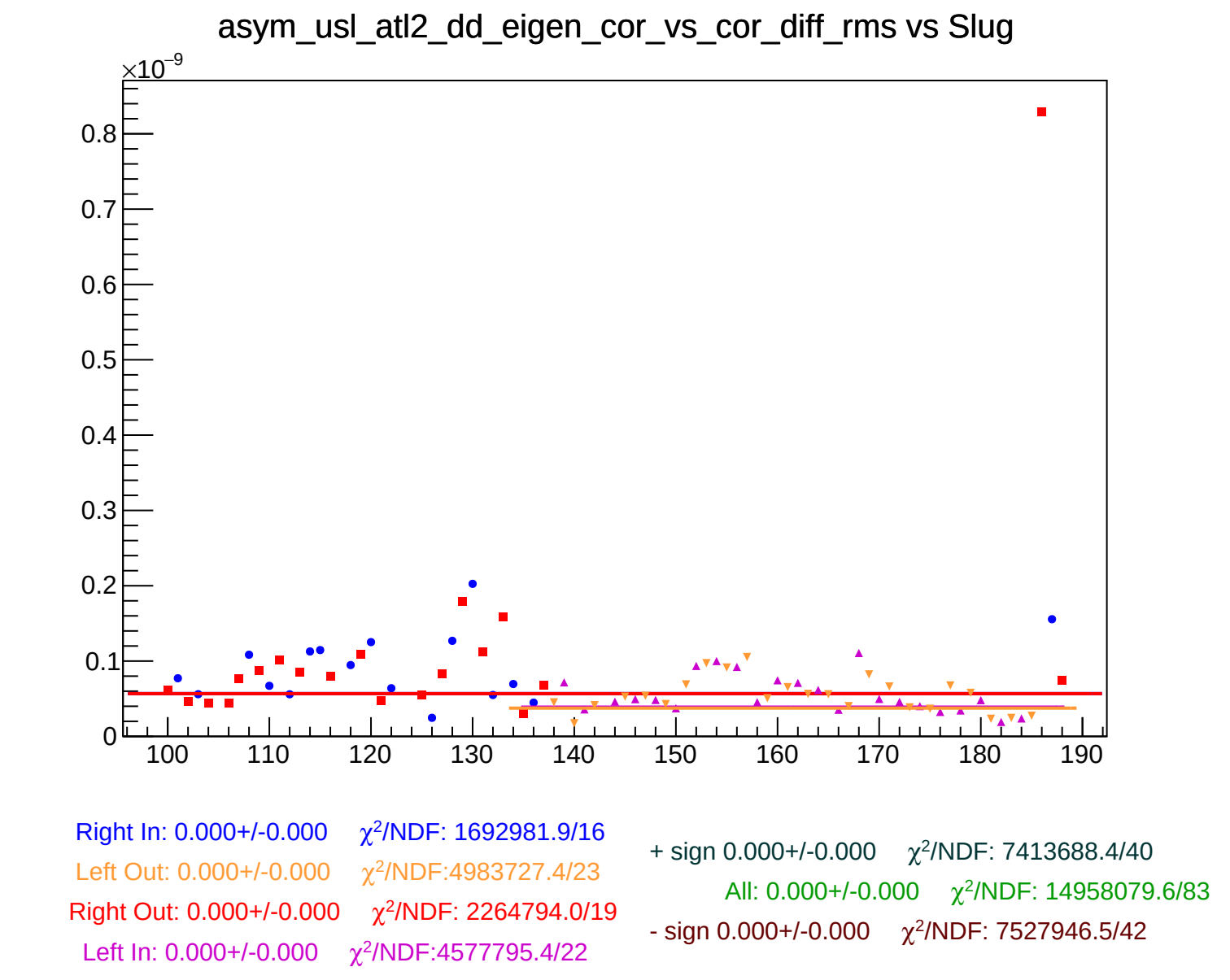
Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/19

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

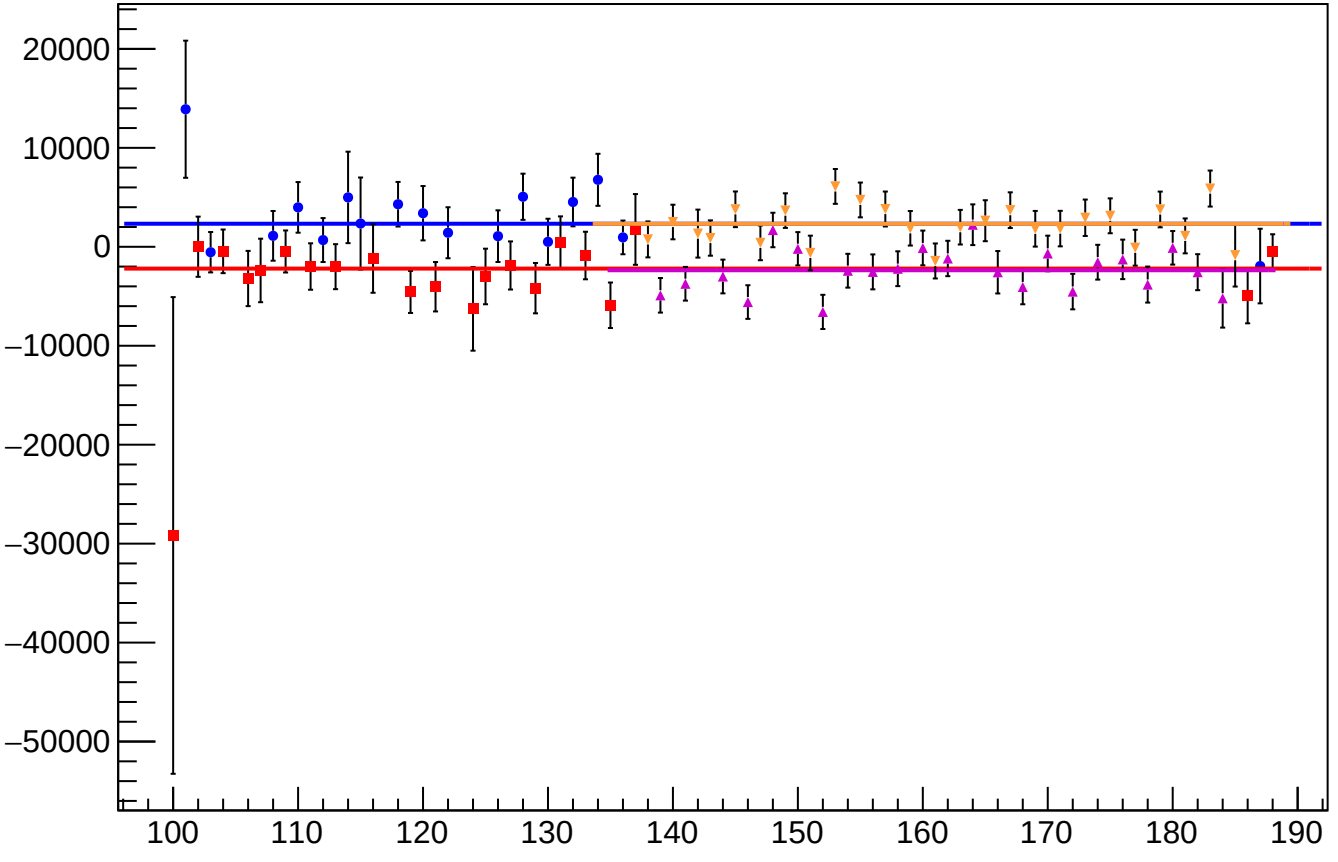
+ sign 0.000+/-0.000 χ^2/NDF: 21.1/40

All: -0.000+/-0.000 χ^2/NDF: 86.6/83

- sign -0.000+/-0.000 χ^2/NDF: 63.5/42


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1692981.9/16
Left Out: 0.000+/-0.000 χ²/NDF:4983727.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 2264794.0/19
Left In: 0.000+/-0.000 χ²/NDF:4577795.4/22
+ sign 0.000+/-0.000 χ²/NDF: 7413688.4/40
All: 0.000+/-0.000 χ²/NDF: 14958079.6/83
- sign 0.000+/-0.000 χ²/NDF: 7527946.5/42

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2330.373+/-621.603 χ^2/NDF: 15.2/16

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2203.890+/-562.967 χ^2/NDF: 13.8/20

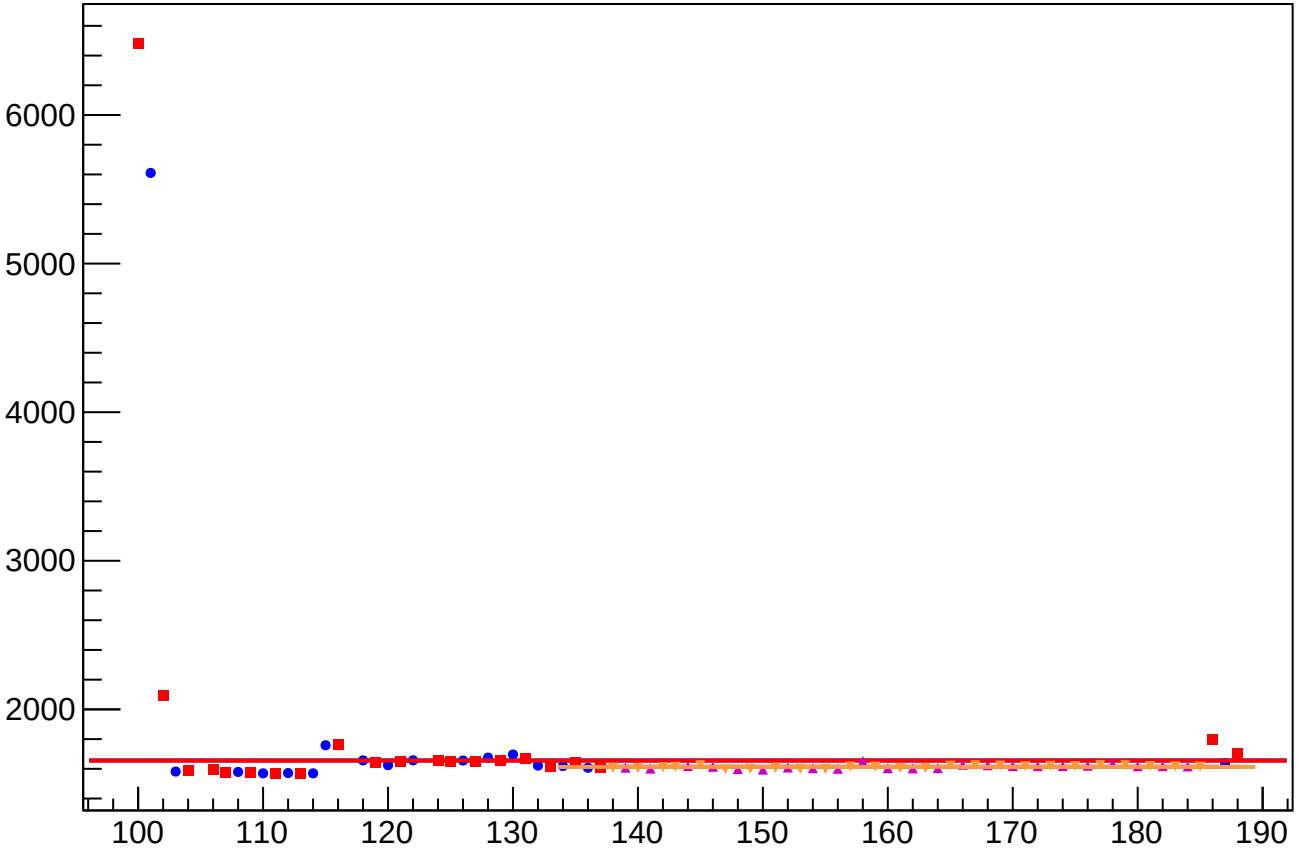
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2323.466+/-315.583 χ^2/NDF: 42.7/41

All: -15.880+/-222.279 χ^2/NDF: 199.3/85

- sign -2319.044+/-313.133 χ^2/NDF: 47.6/43

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.173+/-0.440 χ^2/NDF: 666274.3/16

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1655.535+/-0.398 χ^2/NDF: 144045.5/20

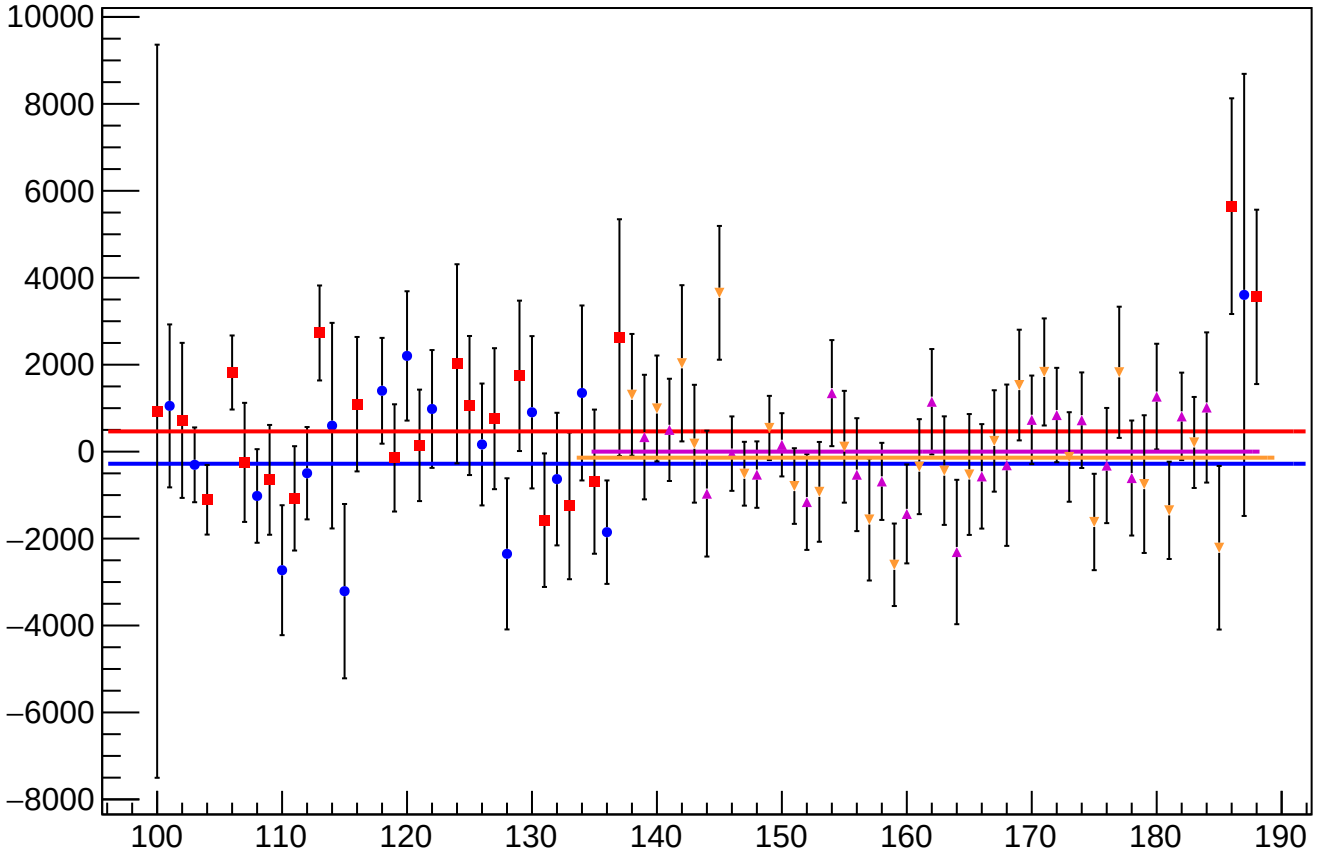
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.836+/-0.223 χ^2/NDF: 674738.9/41

All: 1625.283+/-0.157 χ^2/NDF: 828816.0/85

- sign 1626.707+/-0.221 χ^2/NDF: 153993.8/43

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -278.735+/-342.656 χ^2/NDF: 16.5/16

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 465.472+/-306.860 χ^2/NDF: 25.7/20

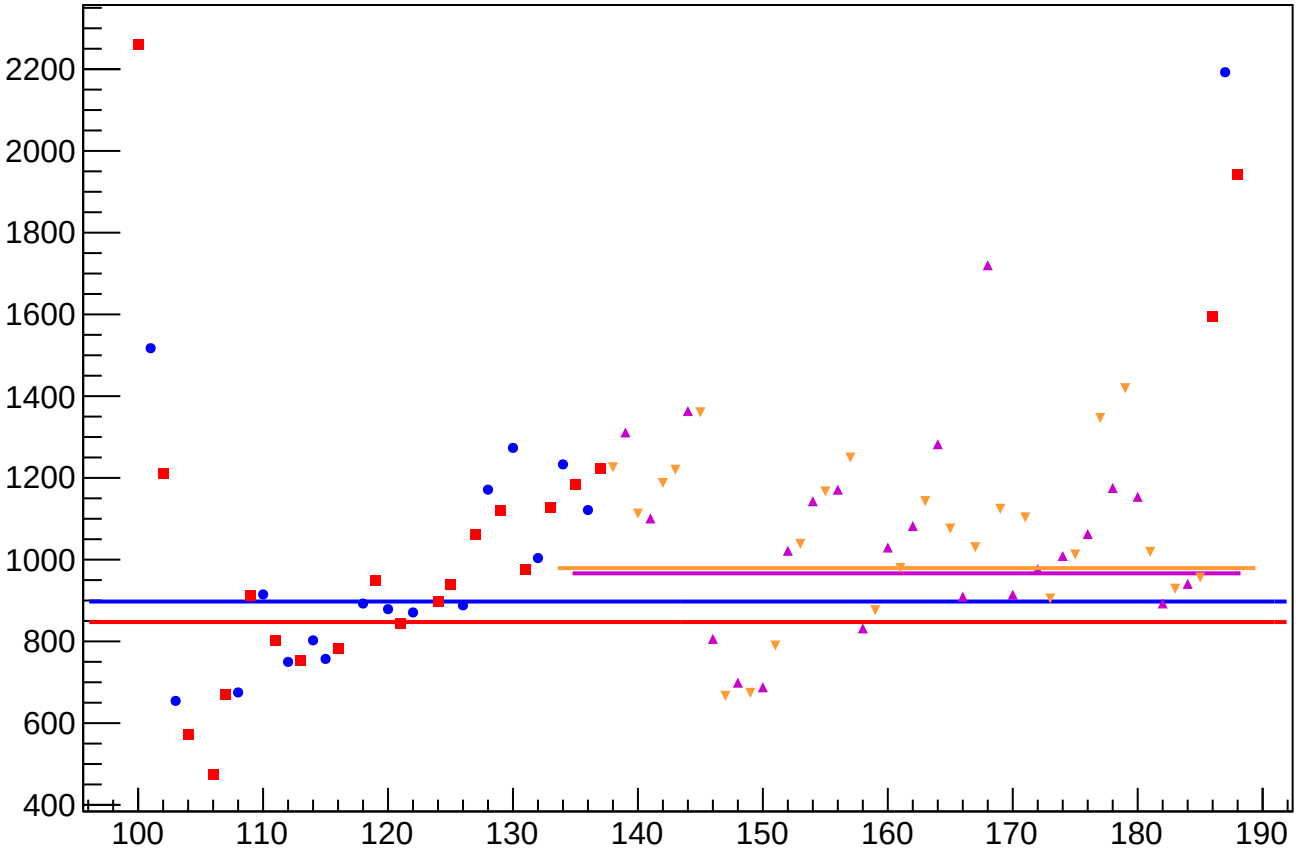
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -182.190+/-190.468 χ^2/NDF: 46.8/41

All: -1.358+/-132.710 χ^2/NDF: 88.6/85

- sign 169.265+/-185.012 χ^2/NDF: 40.0/43

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 897.540+/-0.242 χ^2/NDF: 924189.7/16

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

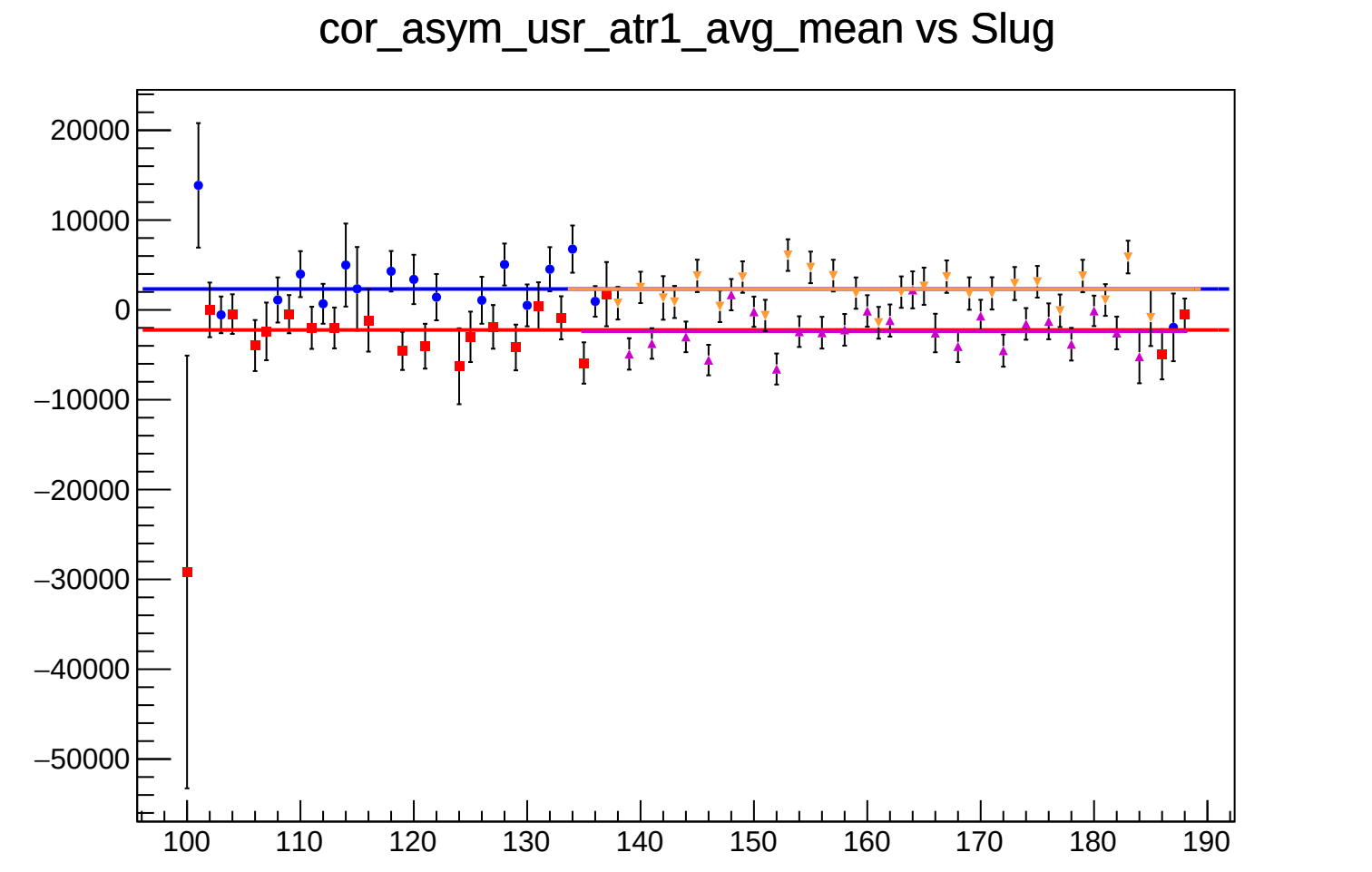
Right Out: 847.352+/-0.217 χ^2/NDF: 1891366.1/20

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 954.034+/-0.135 χ^2/NDF: 2633487.4/41

All: 938.171+/-0.094 χ^2/NDF: 6346410.7/85

- sign 923.205+/-0.131 χ^2/NDF: 3685962.8/43



Right In: 2329.842+/-621.603 χ^2/NDF: 15.1/16

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

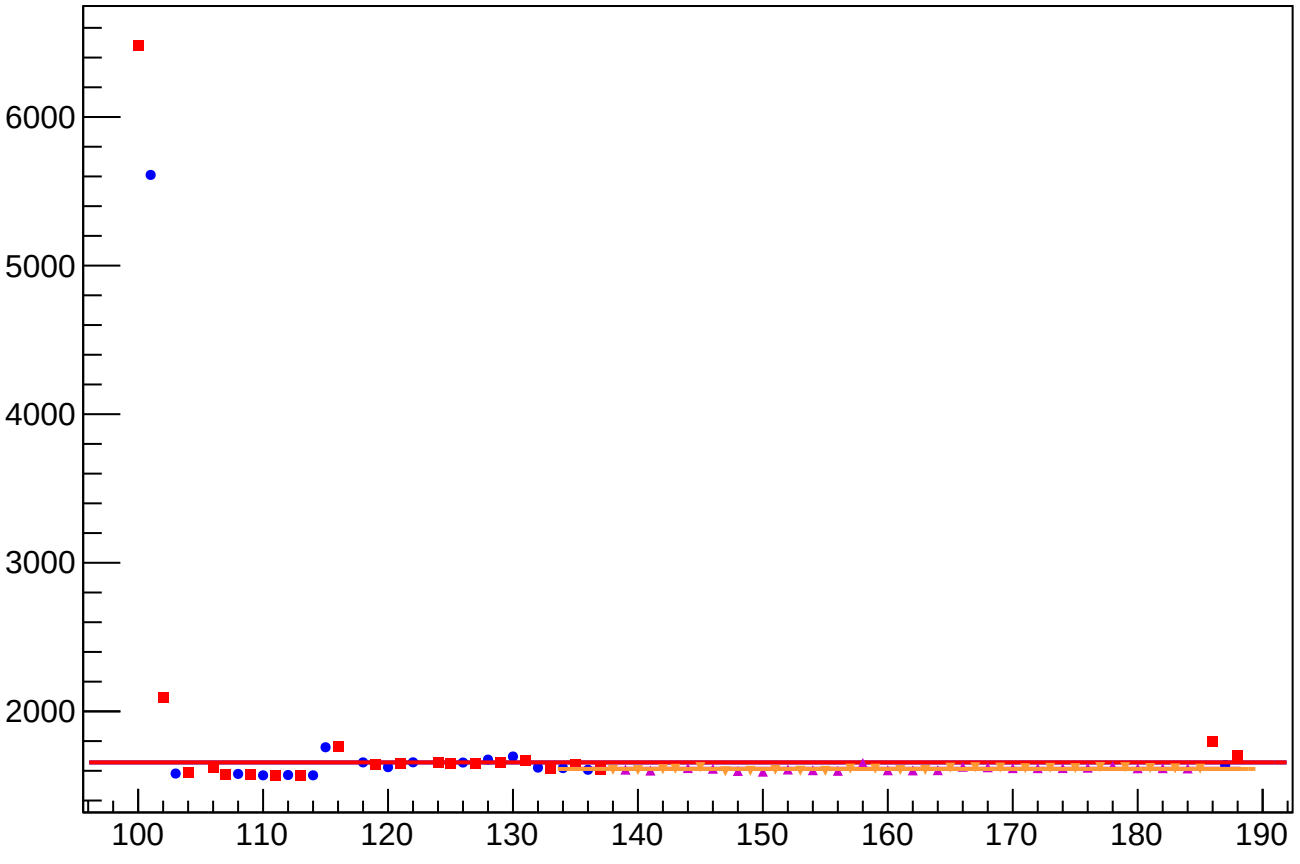
Right Out: -2232.735+/-563.362 χ^2/NDF: 14.1/20

Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2323.297+/-315.583 χ^2/NDF: 42.6/41

All: -20.001+/-222.304 χ^2/NDF: 199.9/85

- sign -2328.058+/-313.200 χ^2/NDF: 47.9/43



Right In: 1656.173+/-0.440 χ^2/NDF: 666273.8/16

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1656.664+/-0.398 χ^2/NDF: 143360.9/20

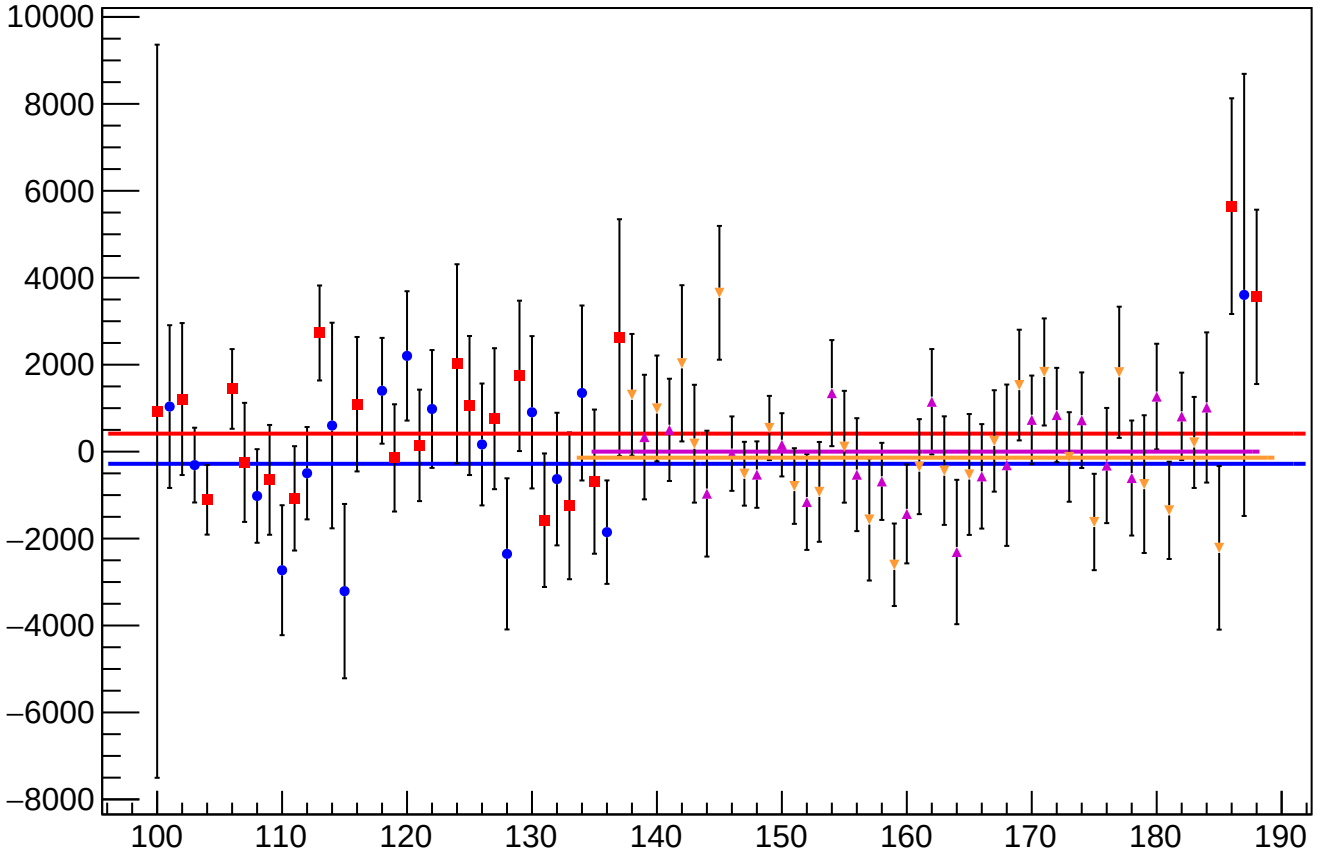
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.836+/-0.223 χ^2/NDF: 674738.4/41

All: 1625.452+/-0.157 χ^2/NDF: 828560.2/85

- sign 1627.044+/-0.221 χ^2/NDF: 153717.8/43

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -280.077+/-342.611 χ^2/NDF: 16.5/16

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 413.963+/-309.472 χ^2/NDF: 24.4/20

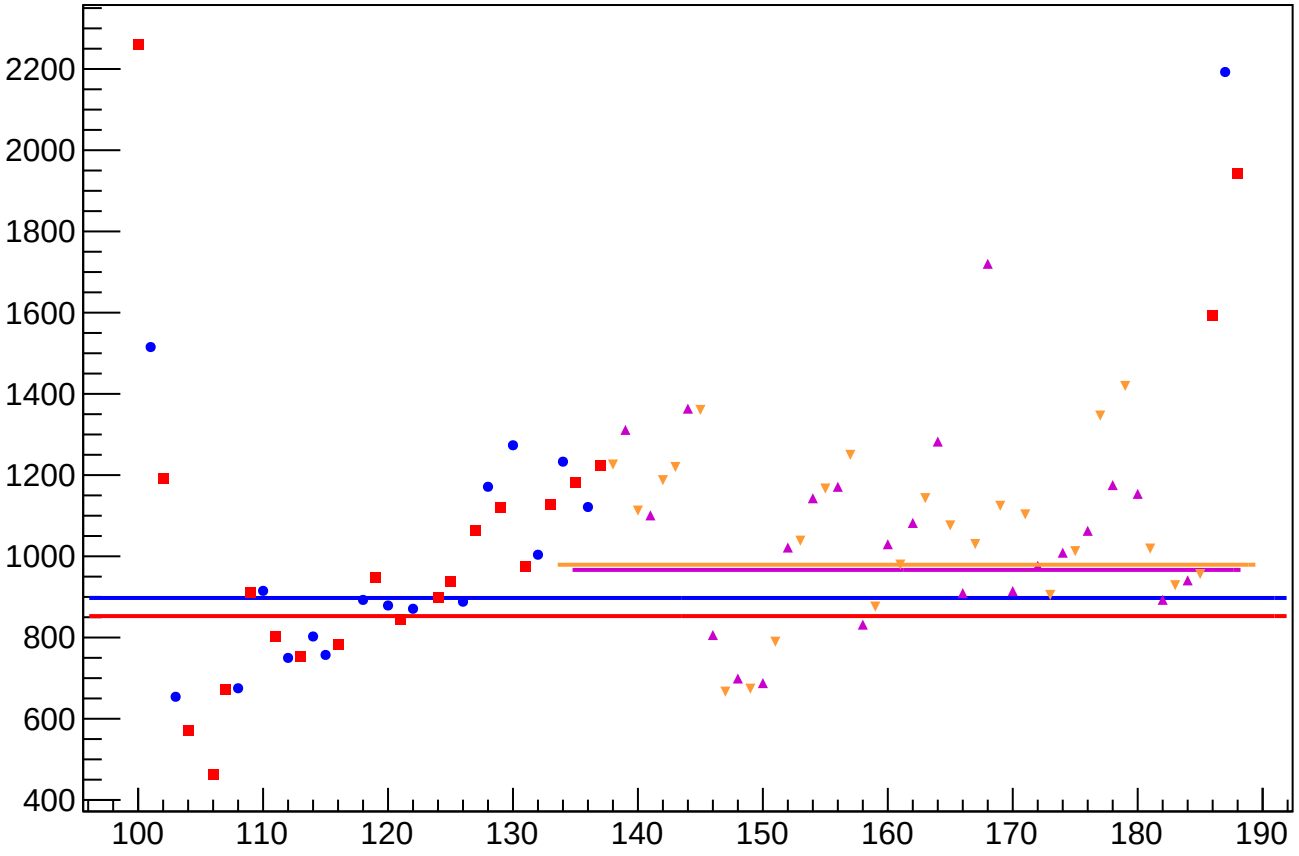
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -182.648+/-190.459 χ^2/NDF: 46.8/41

All: -12.571+/-132.917 χ^2/NDF: 86.8/85

\- sign 148.906+/-185.581 χ^2/NDF: 38.4/43

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 897.438+/-0.242 χ^2/NDF: 923973.2/16

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 852.812+/-0.219 χ^2/NDF: 1852133.1/20

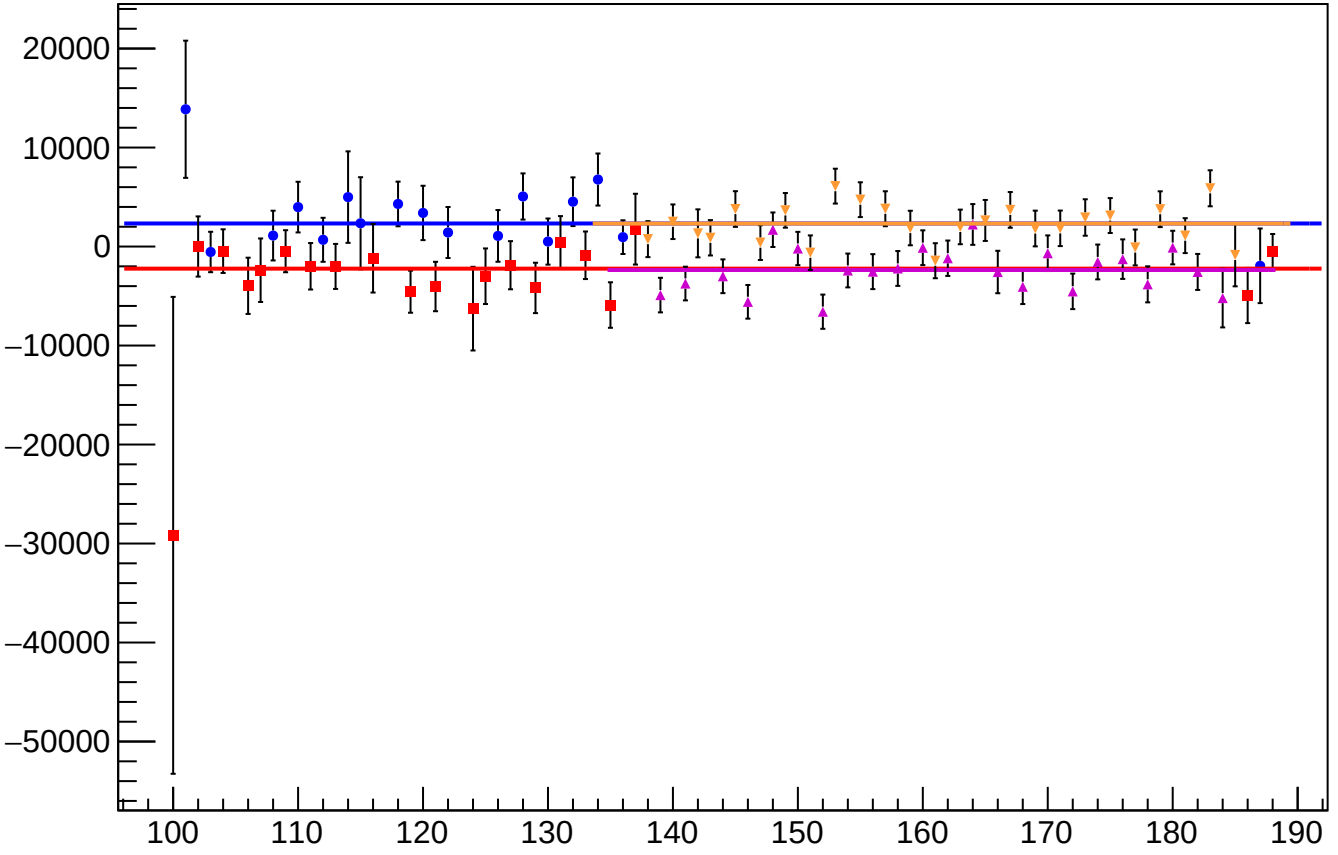
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 953.994+/-0.135 χ^2/NDF: 2633576.6/41

All: 939.448+/-0.094 χ^2/NDF: 6283958.3/85

- sign 925.637+/-0.131 χ^2/NDF: 3627639.8/43

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2329.842+/-621.603 χ^2/NDF: 15.1/16

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2232.735+/-563.362 χ^2/NDF: 14.1/20

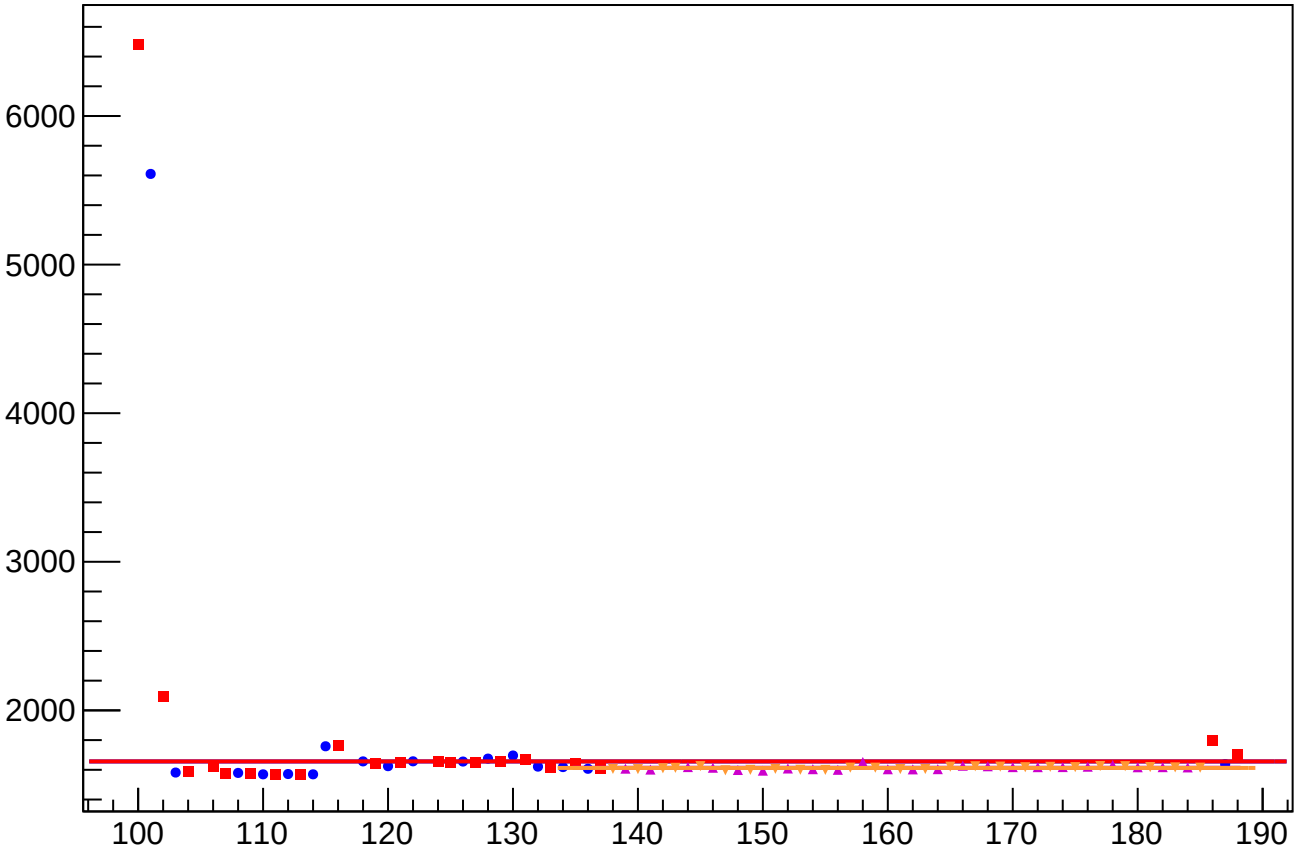
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2323.297+/-315.583 χ^2/NDF: 42.6/41

All: -20.001+/-222.304 χ^2/NDF: 199.9/85

- sign -2328.058+/-313.200 χ^2/NDF: 47.9/43

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.173+/-0.440 χ^2/NDF: 666273.8/16

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

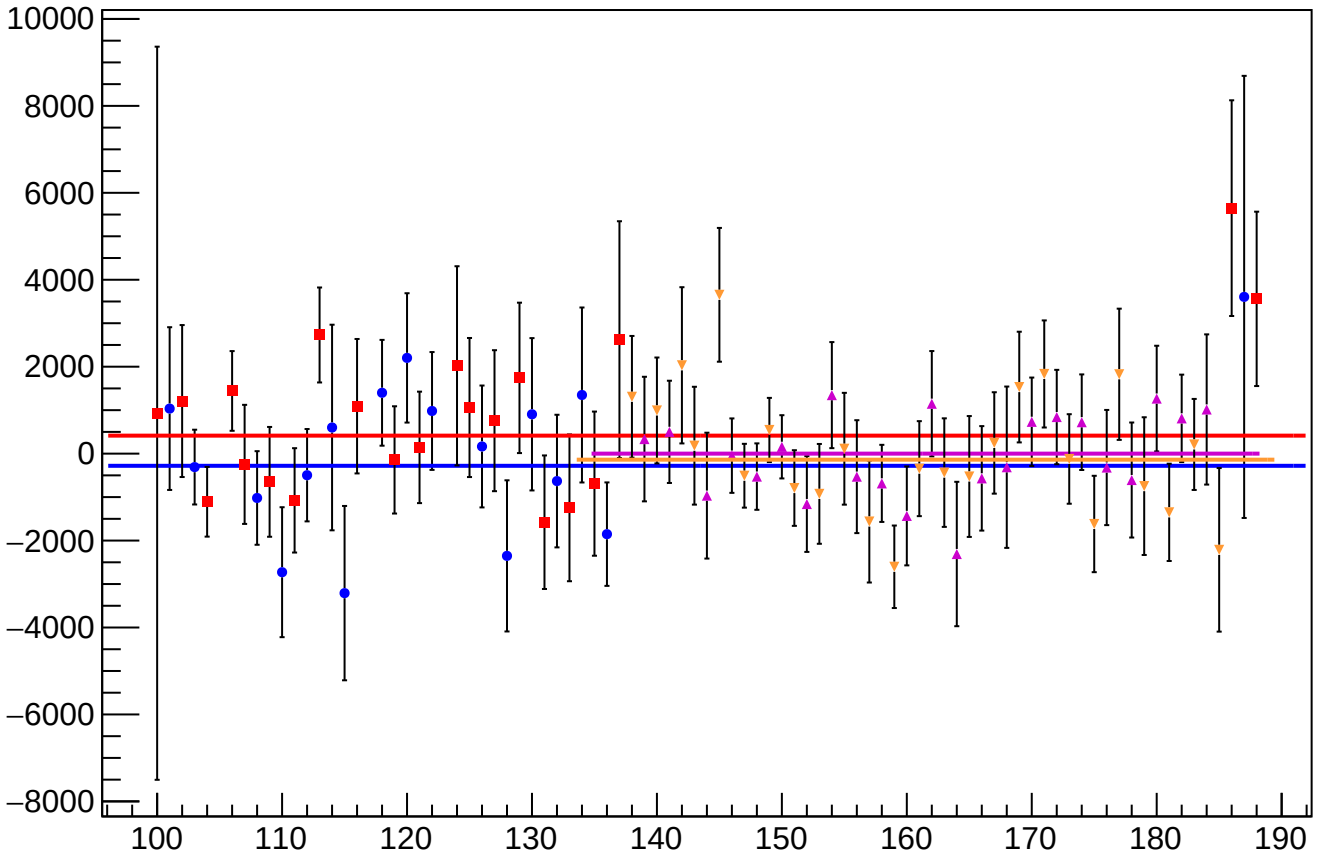
Right Out: 1656.664+/-0.398 χ^2/NDF: 143360.9/20

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

\+ sign 1623.836+/-0.223 χ^2/NDF: 674738.4/41

All: 1625.452+/-0.157 χ^2/NDF: 828560.2/85

\- sign 1627.044+/-0.221 χ^2/NDF: 153717.8/43



Right In: -280.077+/-342.611 χ^2/NDF: 16.5/16

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

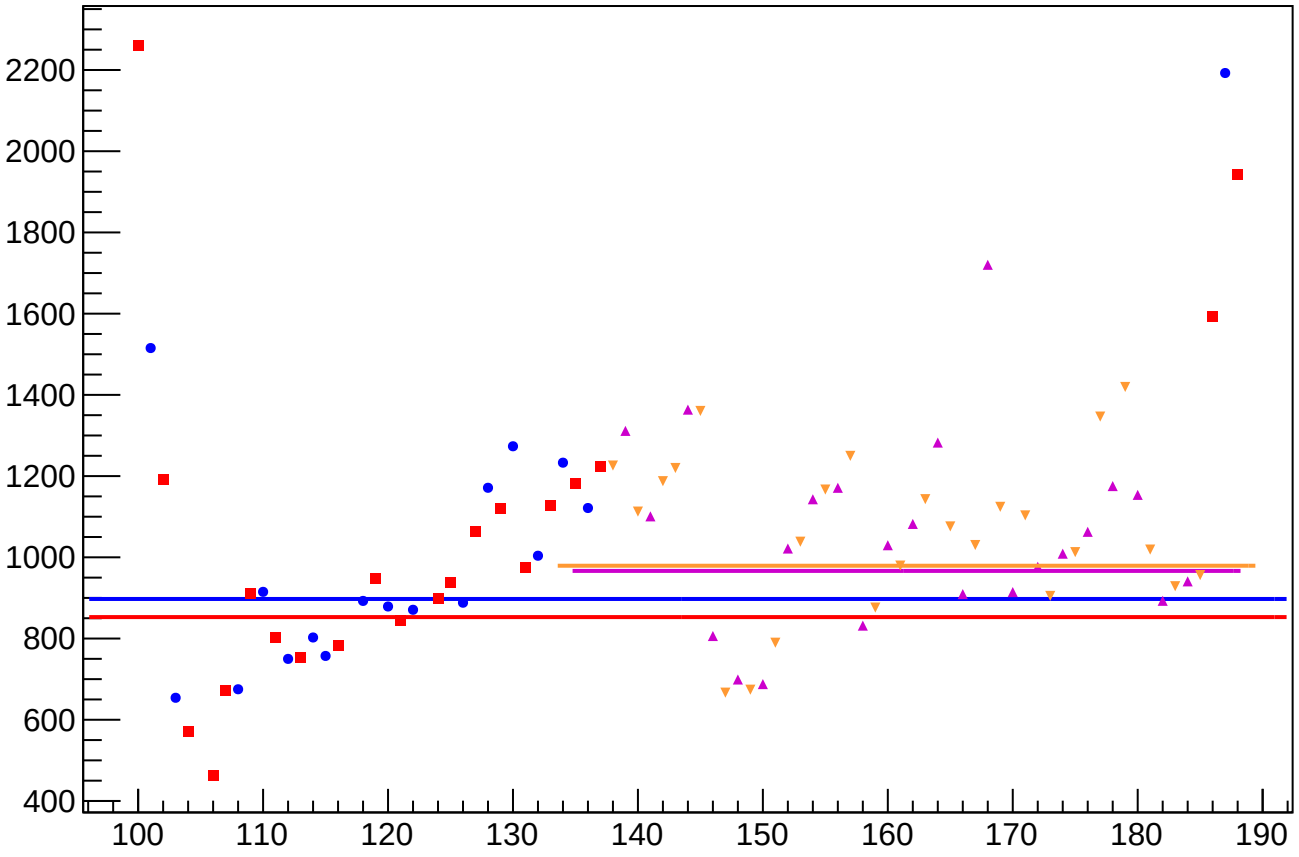
Right Out: 413.963+/-309.472 χ^2/NDF: 24.4/20

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -182.648+/-190.459 χ^2/NDF: 46.8/41

All: -12.571+/-132.917 χ^2/NDF: 86.8/85

\- sign 148.906+/-185.581 χ^2/NDF: 38.4/43



Right In: 897.438+/-0.242 χ^2/NDF: 923973.2/16

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 852.812+/-0.219 χ^2/NDF: 1852133.1/20

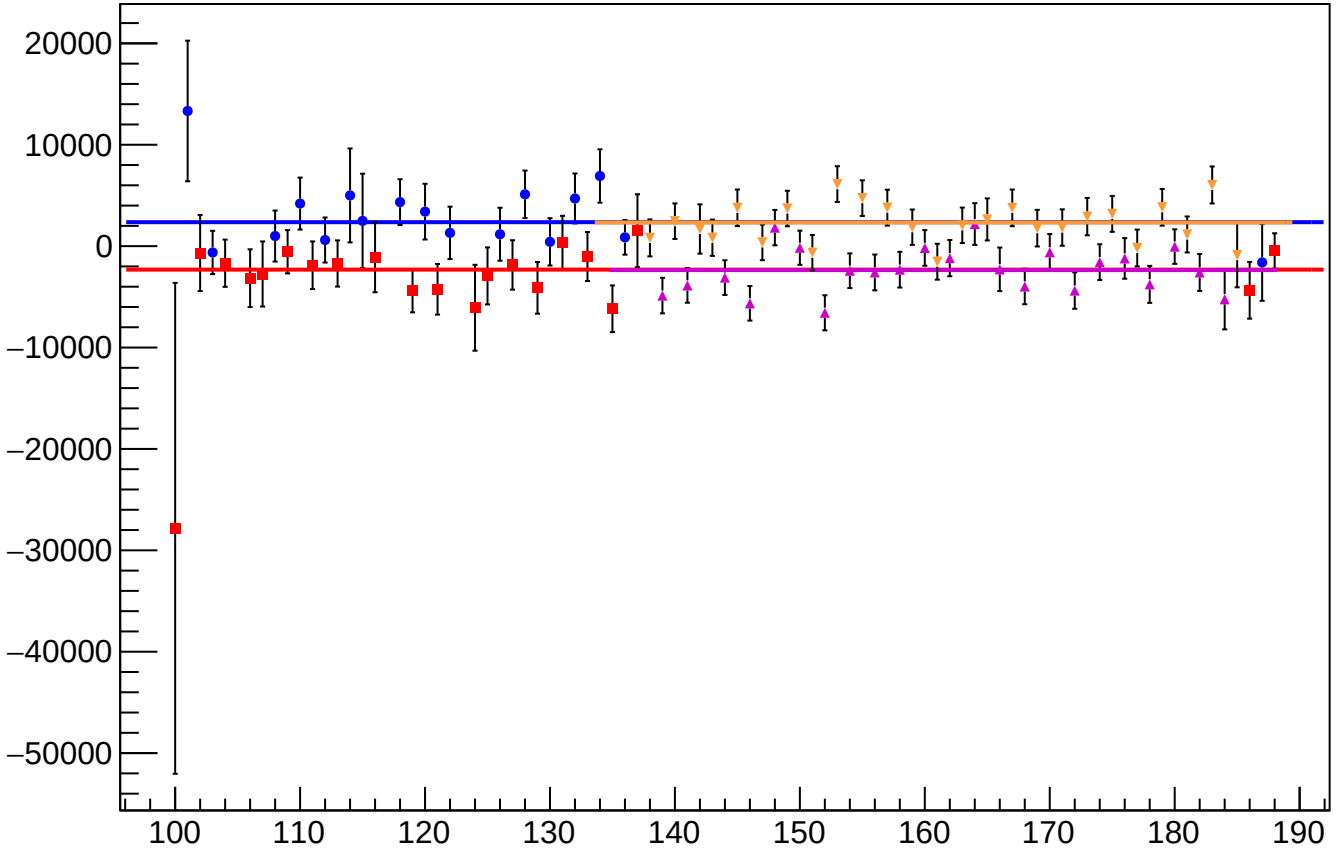
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

\+ sign 953.994+/-0.135 χ^2/NDF: 2633576.6/41

All: 939.448+/-0.094 χ^2/NDF: 6283958.3/85

\- sign 925.637+/-0.131 χ^2/NDF: 3627639.8/43

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2364.008+/-625.168 χ^2/NDF: 15.3/16

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2316.477+/-569.836 χ^2/NDF: 12.2/20

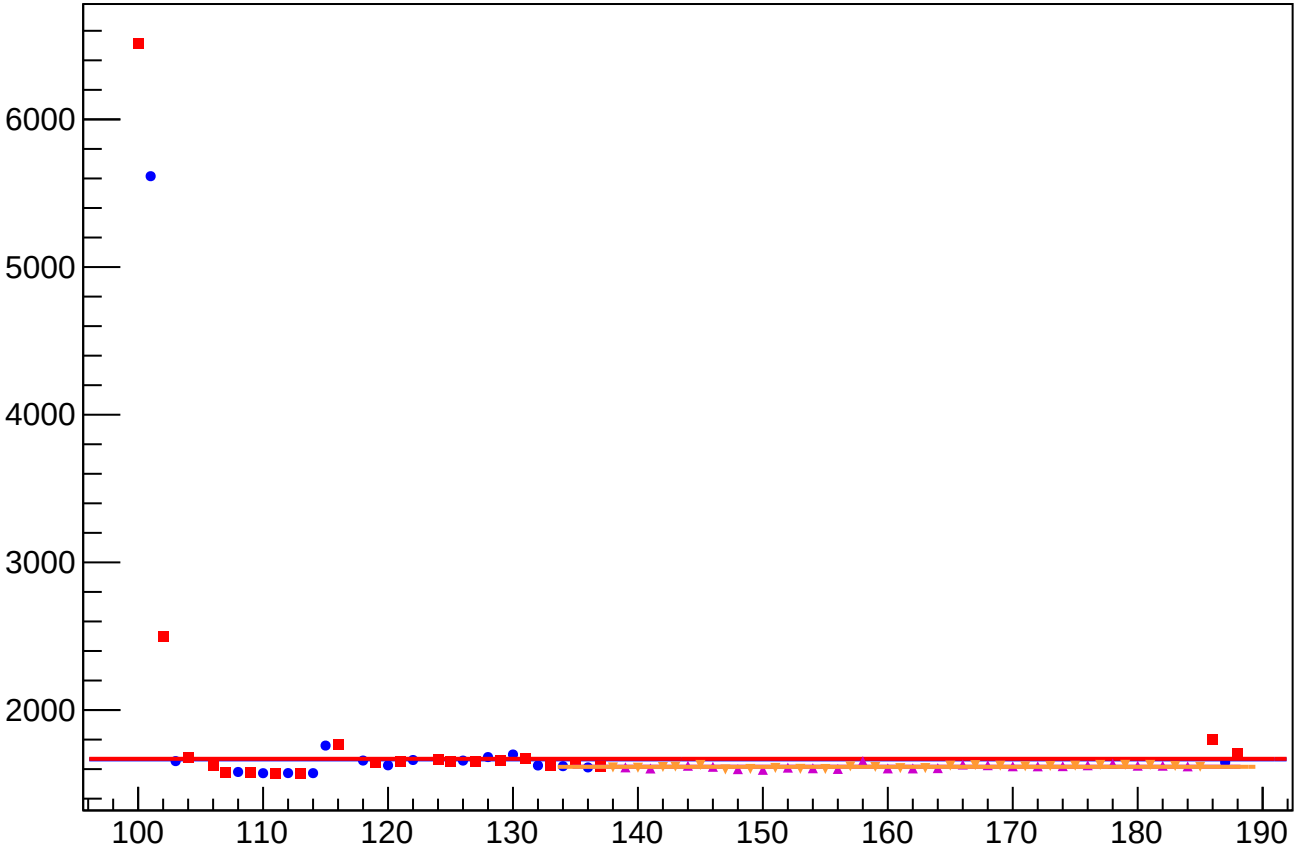
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2342.315+/-316.489 χ^2/NDF: 43.6/41

All: -15.977+/-223.138 χ^2/NDF: 200.3/85

- sign -2346.931+/-314.649 χ^2/NDF: 46.3/43

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1665.835+/-0.442 χ^2/NDF: 662972.8/16

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

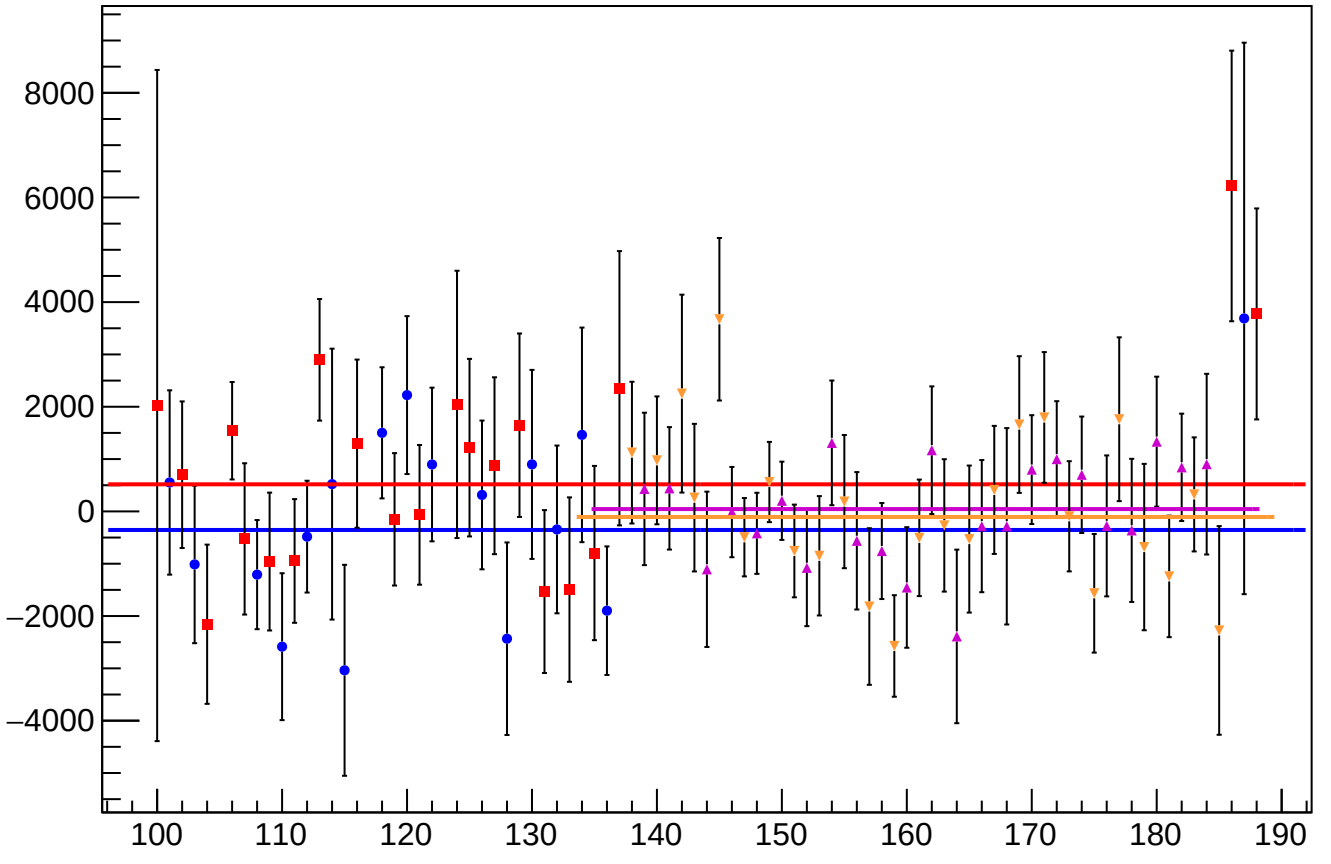
Right Out: 1669.858+/-0.403 χ^2/NDF: 199030.3/20

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.499+/-0.224 χ^2/NDF: 674011.3/41

All: 1630.598+/-0.158 χ^2/NDF: 888027.3/85

- sign 1632.672+/-0.222 χ^2/NDF: 213841.1/43



Right In: -354.886+/-367.051 χ^2/NDF: 16.3/16

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 517.539+/-333.065 χ^2/NDF: 25.2/20

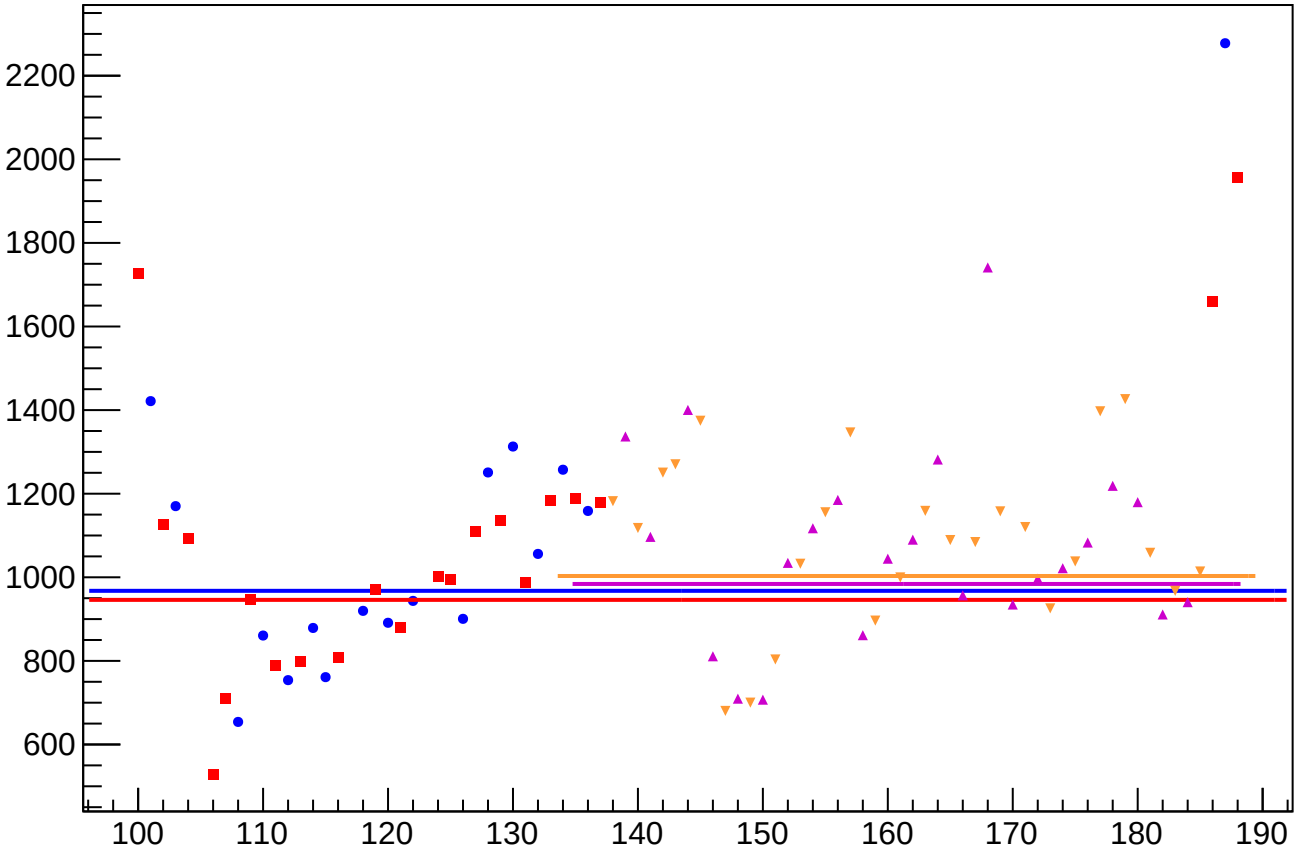
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

\+ sign -178.296+/-197.497 χ^2/NDF: 45.7/41

All: 16.990+/-137.820 χ^2/NDF: 86.9/85

\- sign 202.355+/-192.415 χ^2/NDF: 39.3/43

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 967.628+/-0.260 χ^2/NDF: 816054.9/16

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 945.980+/-0.236 χ^2/NDF: 1421366.0/20

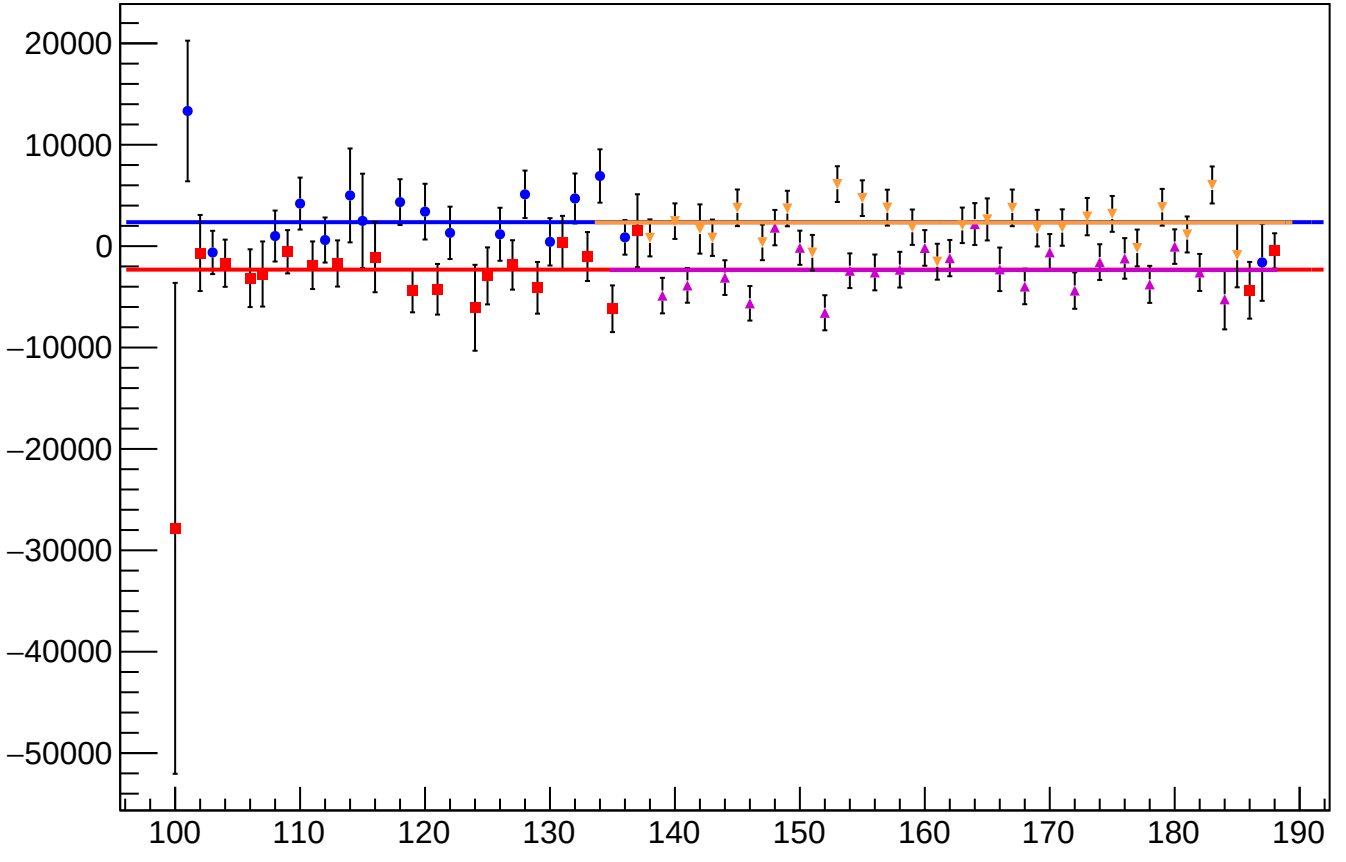
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

\+ sign 992.831+/-0.140 χ^2/NDF: 2427742.3/41

All: 981.809+/-0.097 χ^2/NDF: 5438223.7/85

\- sign 971.347+/-0.136 χ^2/NDF: 2998339.2/43

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2364.008+/-625.168 χ^2/NDF: 15.3/16

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2316.475+/-569.836 χ^2/NDF: 12.2/20

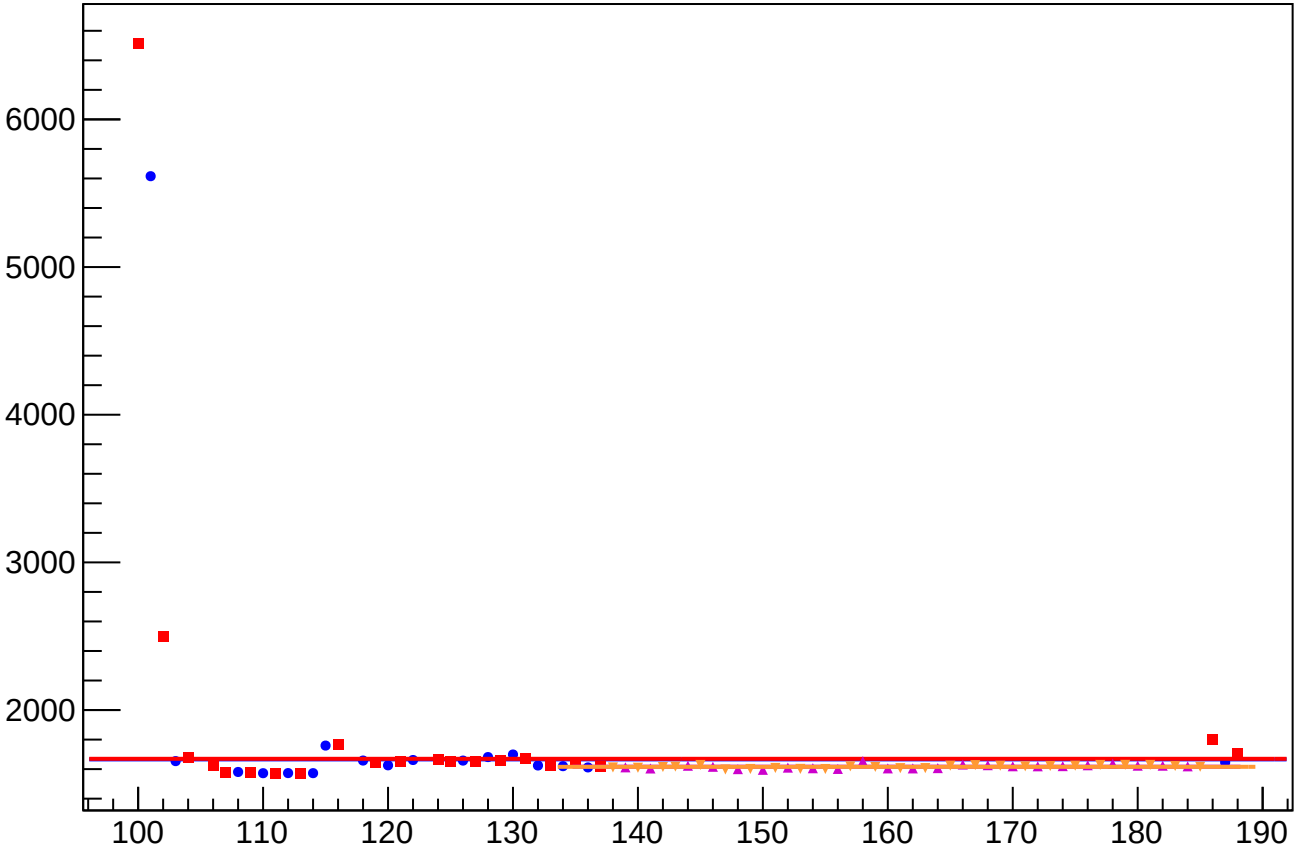
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2342.315+/-316.489 χ^2/NDF: 43.6/41

All: -15.977+/-223.138 χ^2/NDF: 200.3/85

- sign -2346.930+/-314.649 χ^2/NDF: 46.3/43

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1665.835+/-0.442 χ^2/NDF: 662972.9/16

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

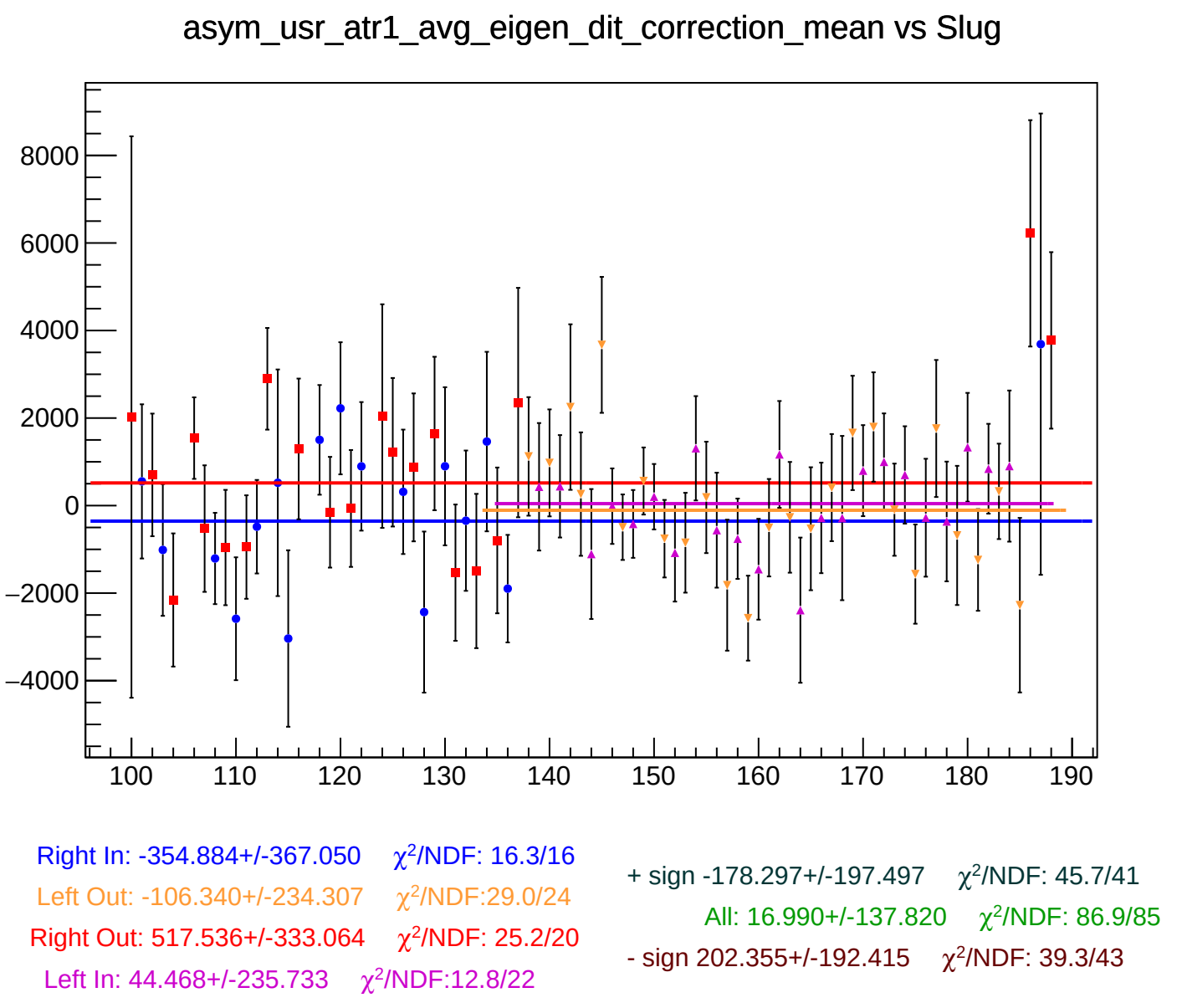
Right Out: 1669.858+/-0.403 χ^2/NDF: 199030.2/20

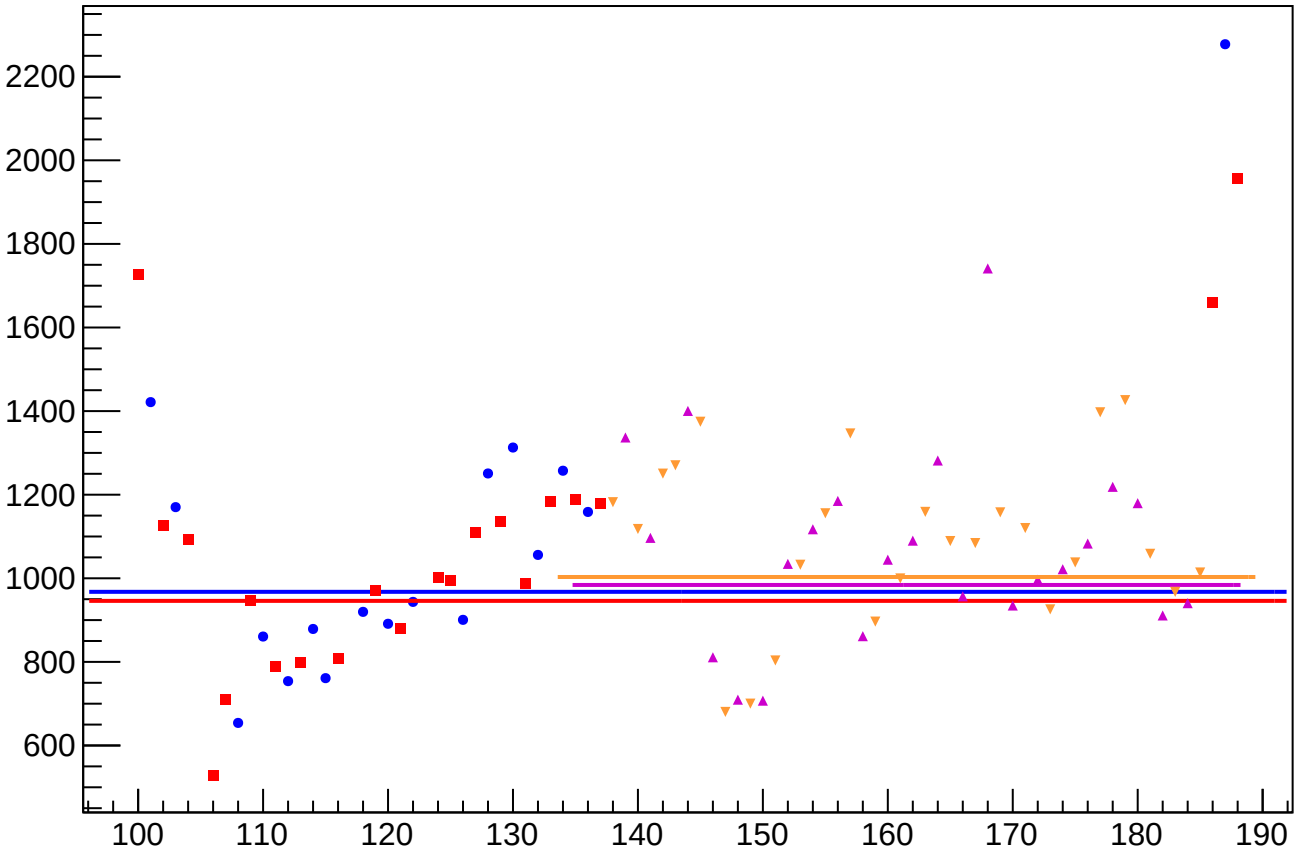
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.499+/-0.224 χ^2/NDF: 674011.3/41

All: 1630.598+/-0.158 χ^2/NDF: 888027.1/85

- sign 1632.672+/-0.222 χ^2/NDF: 213840.9/43


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: -354.884+/-367.050 χ²/NDF: 16.3/16
Left Out: -106.340+/-234.307 χ²/NDF:29.0/24
Right Out: 517.536+/-333.064 χ²/NDF: 25.2/20
Left In: 44.468+/-235.733 χ²/NDF:12.8/22
+ sign -178.297+/-197.497 χ²/NDF: 45.7/41
All: 16.990+/-137.820 χ²/NDF: 86.9/85
- sign 202.355+/-192.415 χ²/NDF: 39.3/43



Right In: 967.624+/-0.260 χ^2/NDF: 816063.8/16

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 945.978+/-0.236 χ^2/NDF: 1421369.5/20

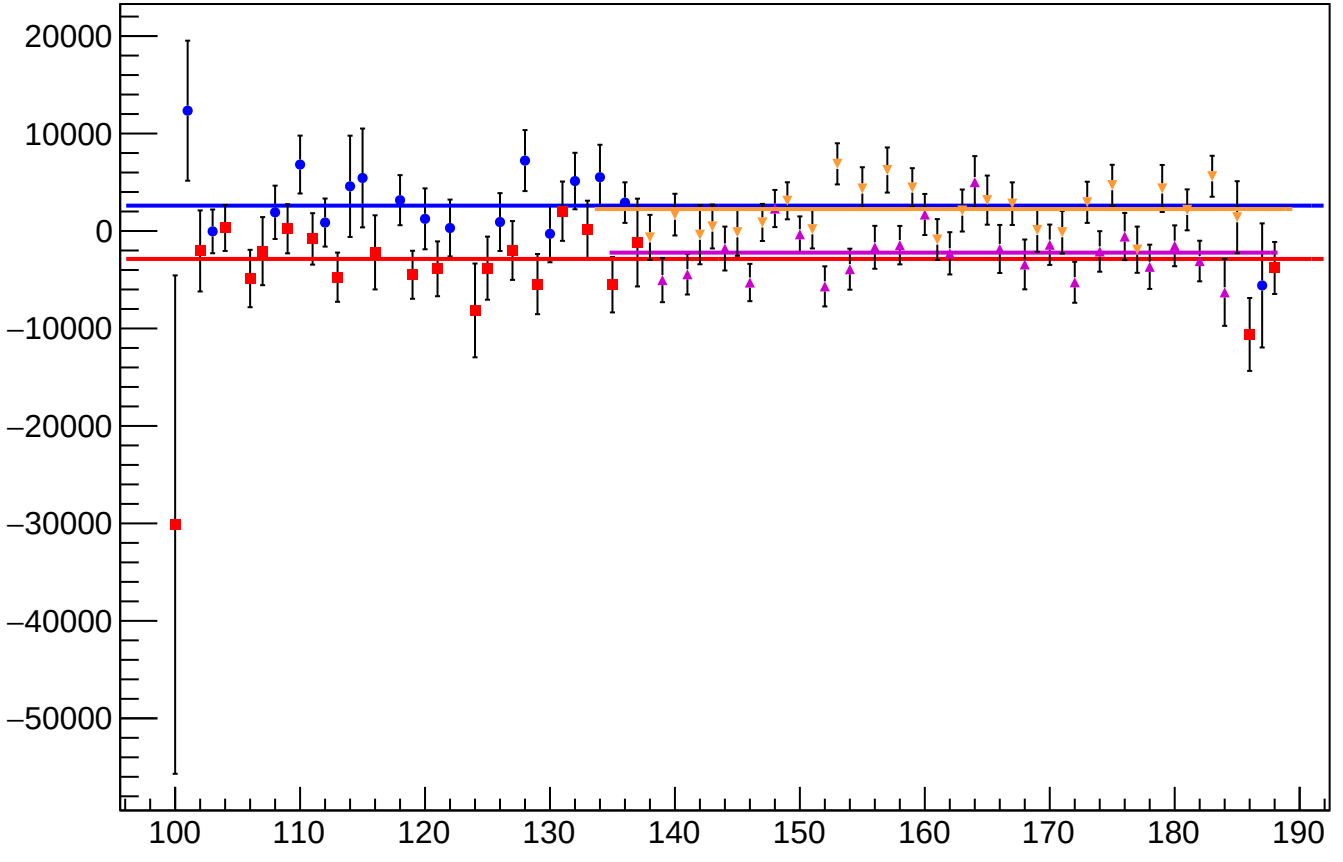
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 992.831+/-0.140 χ^2/NDF: 2427758.0/41

All: 981.809+/-0.097 χ^2/NDF: 5438249.3/85

- sign 971.347+/-0.136 χ^2/NDF: 2998349.2/43

asym_usr_atr1_avg_mean vs Slug



Right In: 2602.218+/-730.235 χ^2/NDF: 13.8/16

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -2867.060+/-671.801 χ^2/NDF: 17.9/20

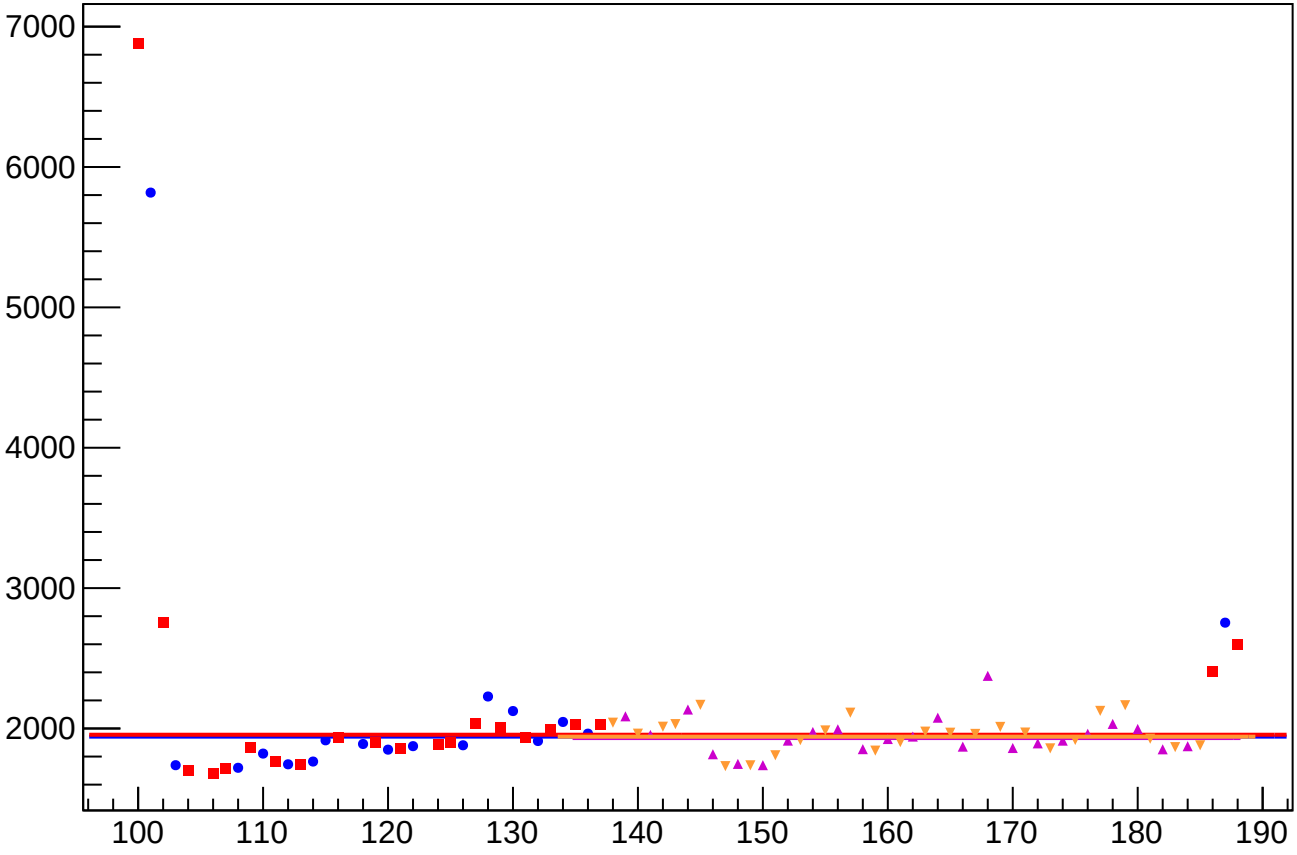
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2346.249+/-378.261 χ^2/NDF: 42.3/41

All: -57.055+/-266.376 χ^2/NDF: 172.4/85

- sign -2421.400+/-375.182 χ^2/NDF: 50.1/43

asym_usr_atr1_avg_rms vs Slug



Right In: 1942.077+/-0.516 χ^2/NDF: 694191.3/16

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

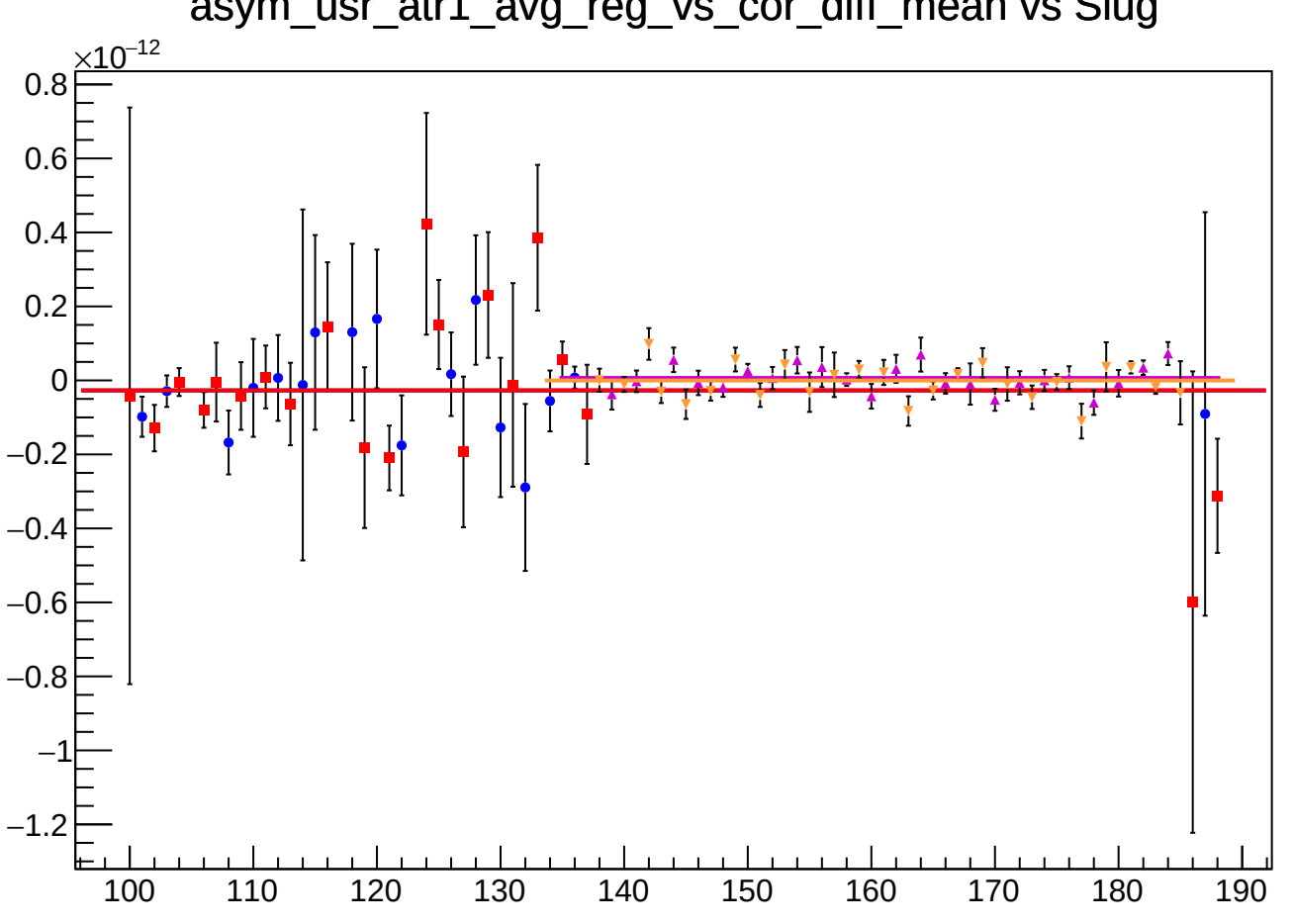
Right Out: 1955.539+/-0.475 χ^2/NDF: 380963.7/20

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1941.715+/-0.267 χ^2/NDF: 833203.3/41

All: 1940.454+/-0.188 χ^2/NDF: 1375804.8/85

- sign 1939.212+/-0.265 χ^2/NDF: 542557.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

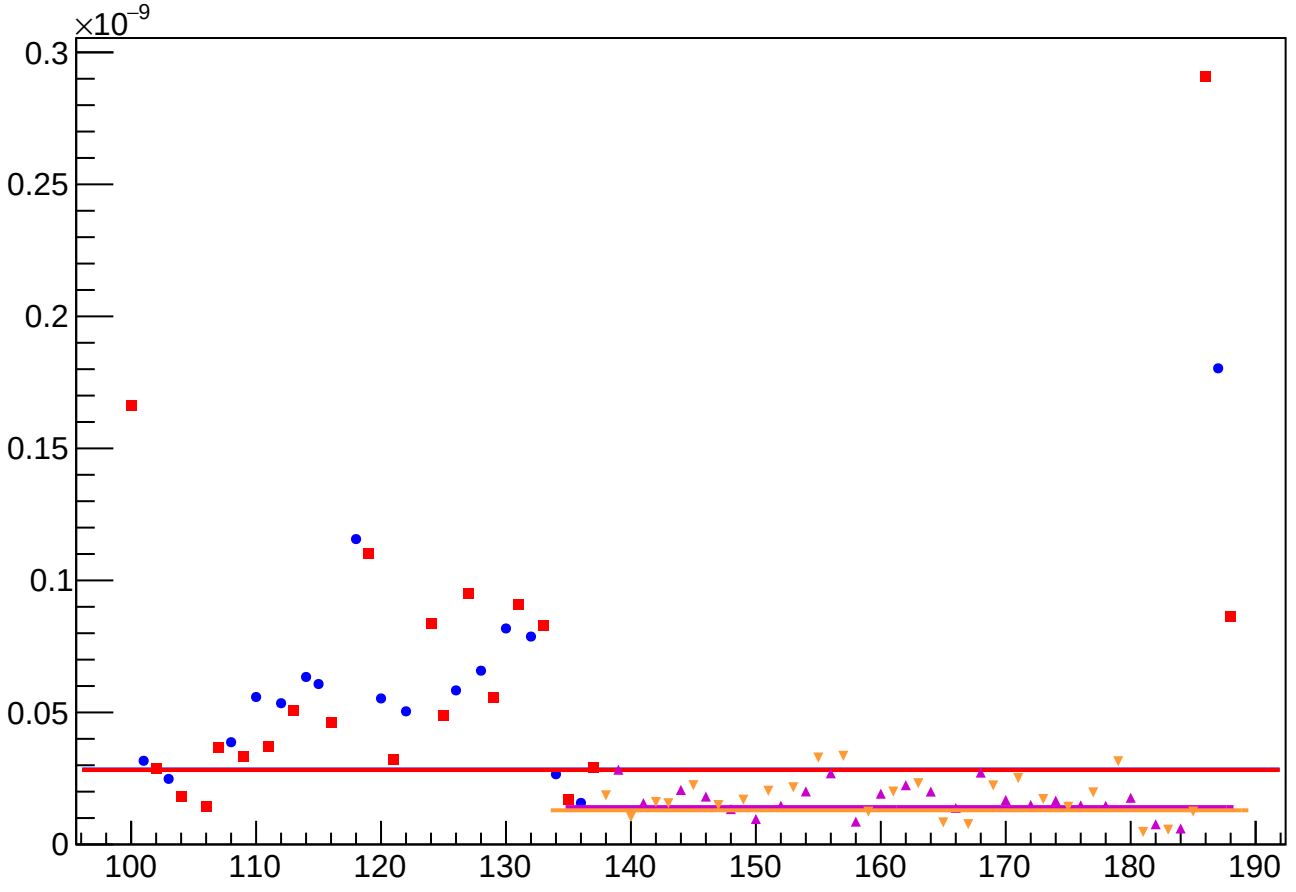
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/20

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/41

All: 0.000+/-0.000 χ^2/NDF: 115.5/85

- sign 0.000+/-0.000 χ^2/NDF: 60.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 1646065.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2202535.4/20

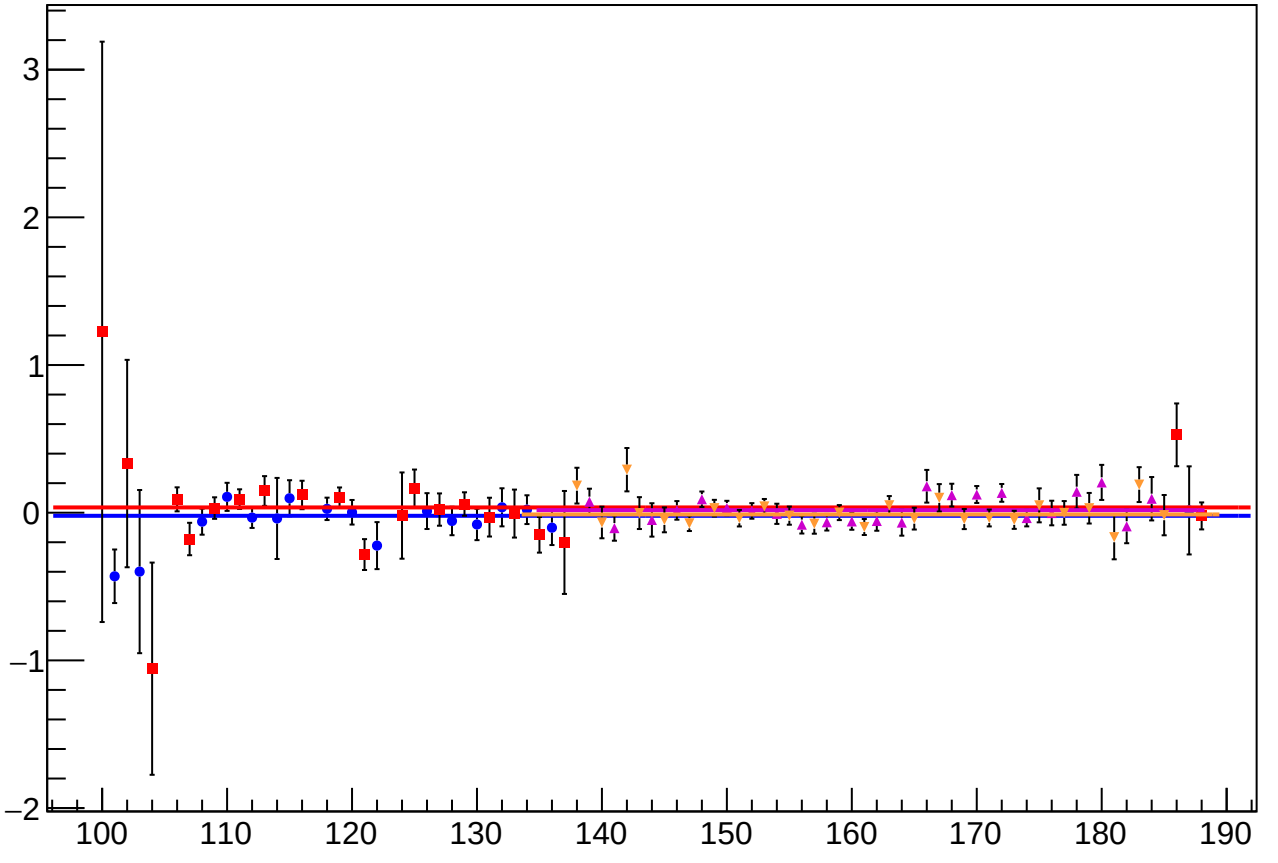
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5669650.4/41

All: 0.000+/-0.000 χ^2/NDF: 10414357.8/85

- sign 0.000+/-0.000 χ^2/NDF: 4695266.8/43

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.036+/-0.024 χ^2/NDF: 30.1/20

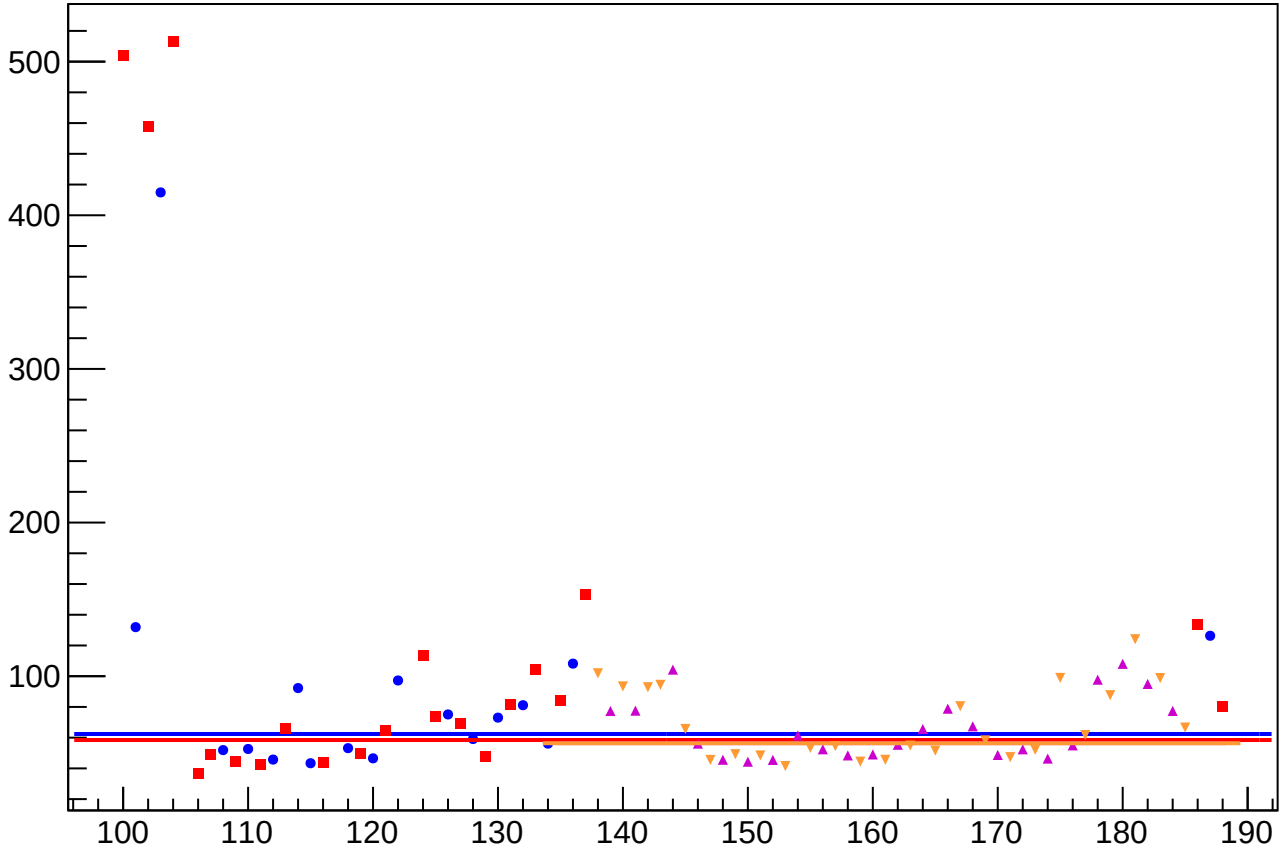
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/41

All: 0.005+/-0.009 χ^2/NDF: 99.3/85

- sign 0.022+/-0.012 χ^2/NDF: 61.2/43

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 62.383+/-0.019 χ^2/NDF: 2030531.4/16

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

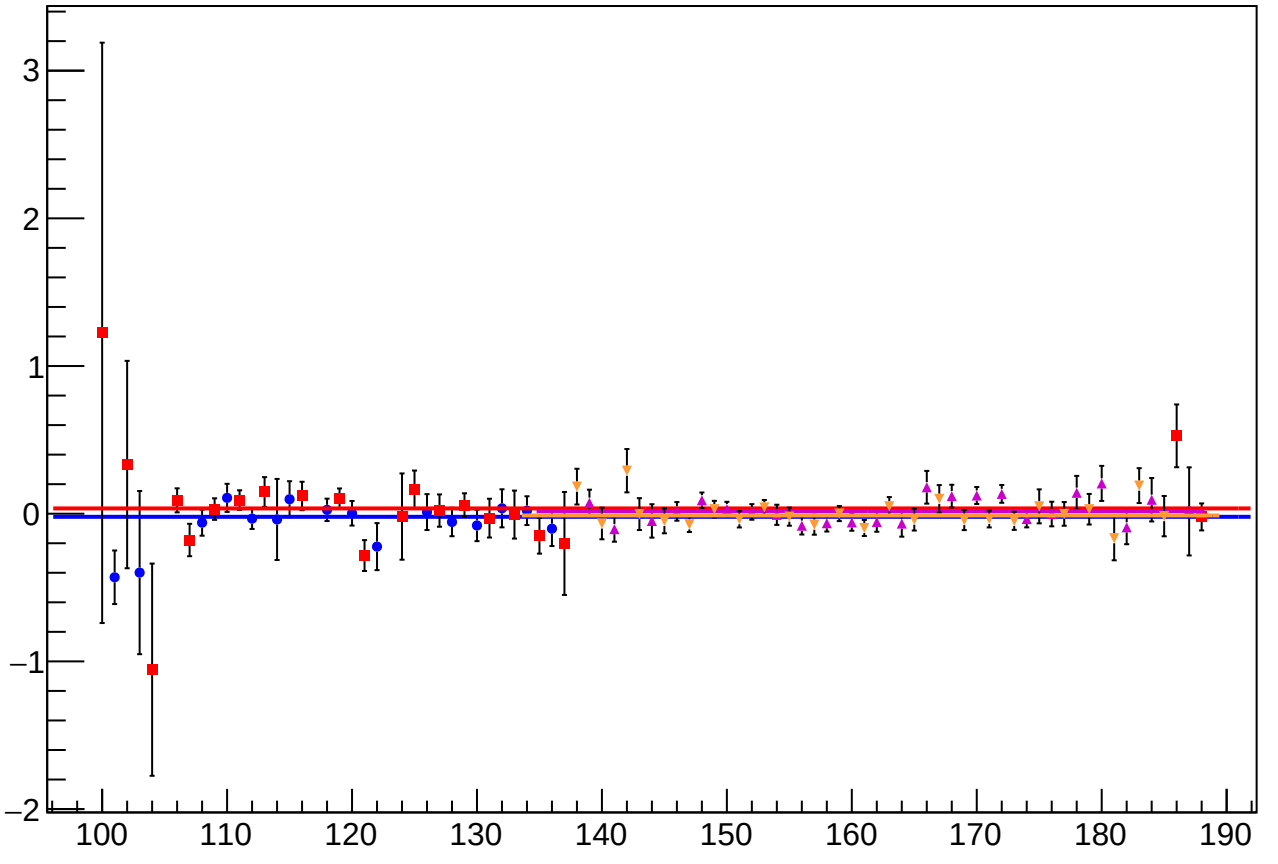
Right Out: 58.468+/-0.017 χ^2/NDF: 2978096.8/20

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 57.735+/-0.009 χ^2/NDF: 4907662.9/41

All: 57.368+/-0.006 χ^2/NDF: 10039620.3/85

- sign 57.015+/-0.009 χ^2/NDF: 5128620.2/43



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

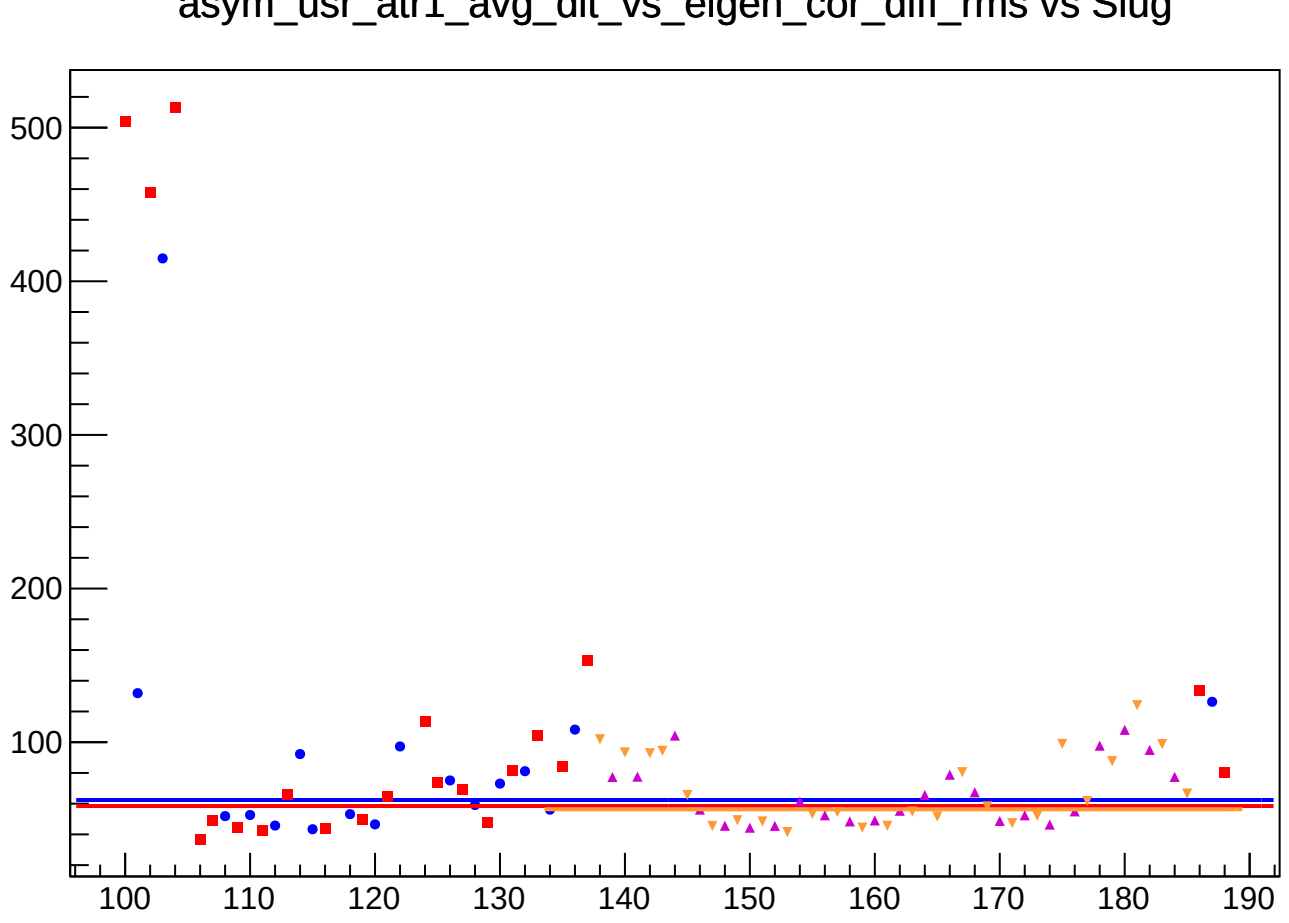
Right Out: 0.036+/-0.024 χ^2/NDF: 30.1/20

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/41

All: 0.005+/-0.009 χ^2/NDF: 99.3/85

- sign 0.022+/-0.012 χ^2/NDF: 61.2/43



Right In: 62.383+/-0.019 χ^2/NDF: 2030531.4/16

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

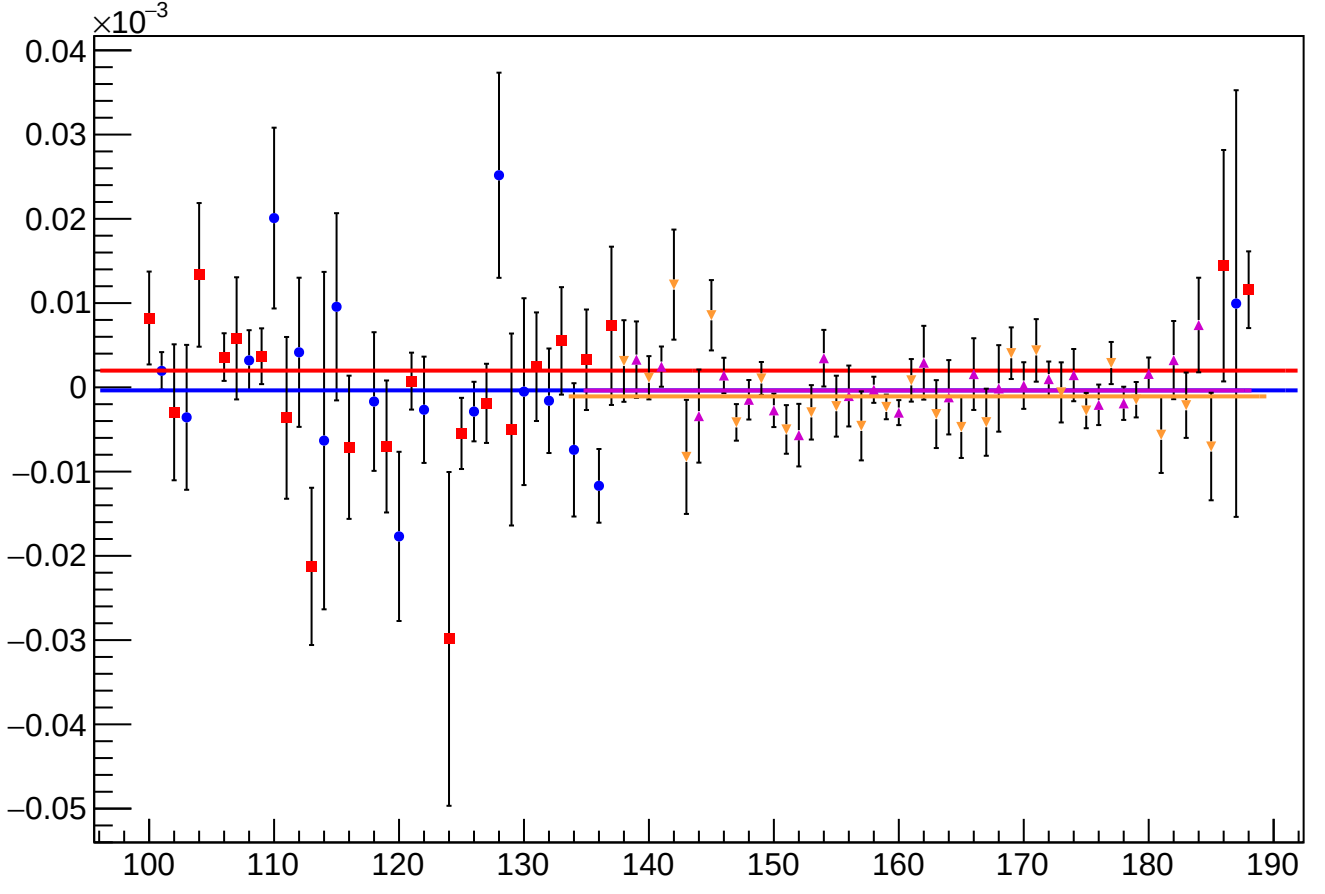
Right Out: 58.468+/-0.017 χ^2/NDF: 2978096.8/20

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 57.735+/-0.009 χ^2/NDF: 4907662.9/41

All: 57.368+/-0.006 χ^2/NDF: 10039620.3/85

- sign 57.015+/-0.009 χ^2/NDF: 5128620.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

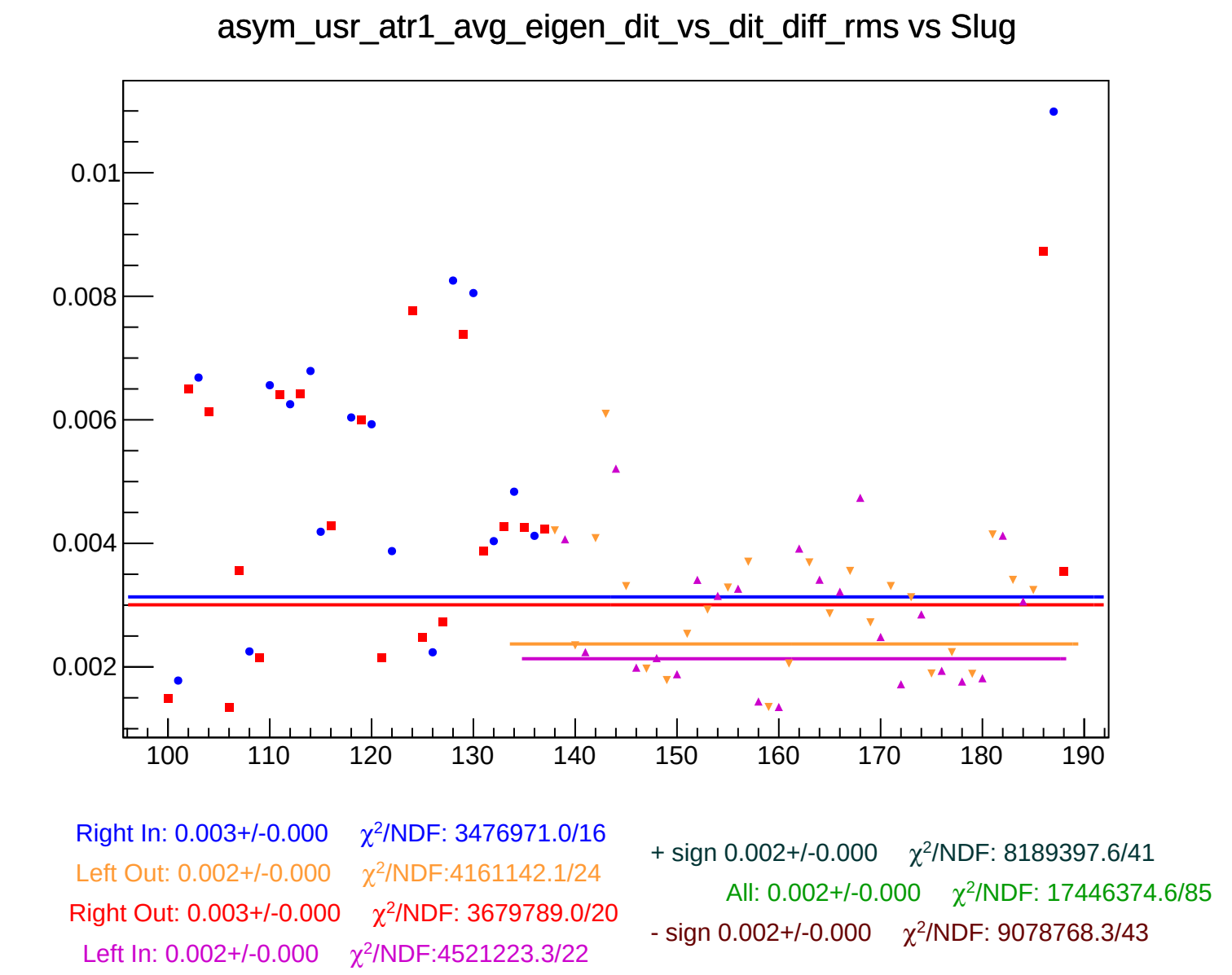
Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/20

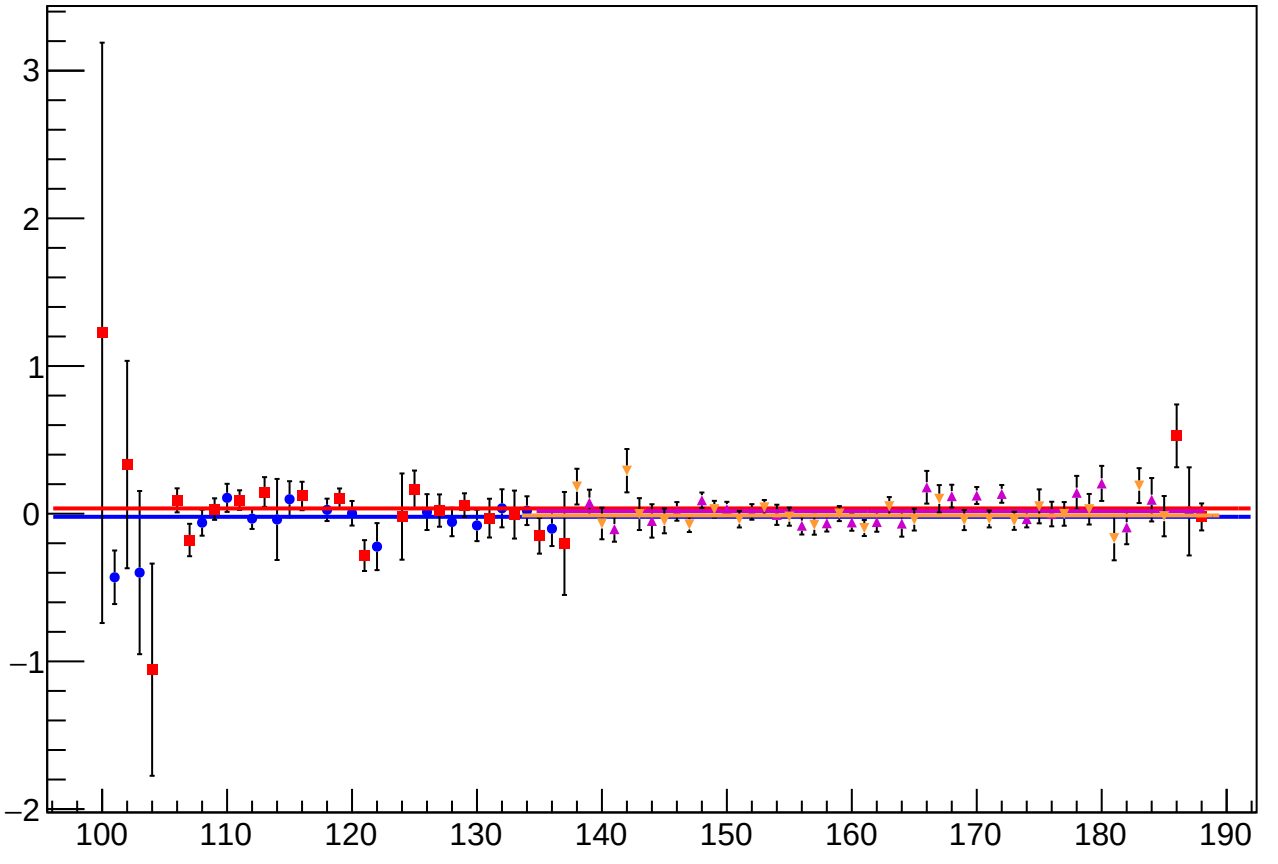
Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.5/41

All: -0.000+/-0.000 χ^2/NDF: 103.2/85

- sign 0.000+/-0.000 χ^2/NDF: 46.8/43


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.003+/-0.000 χ²/NDF: 3476971.0/16
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 3679789.0/20
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
+ sign 0.002+/-0.000 χ²/NDF: 8189397.6/41
All: 0.002+/-0.000 χ²/NDF: 17446374.6/85
- sign 0.002+/-0.000 χ²/NDF: 9078768.3/43



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

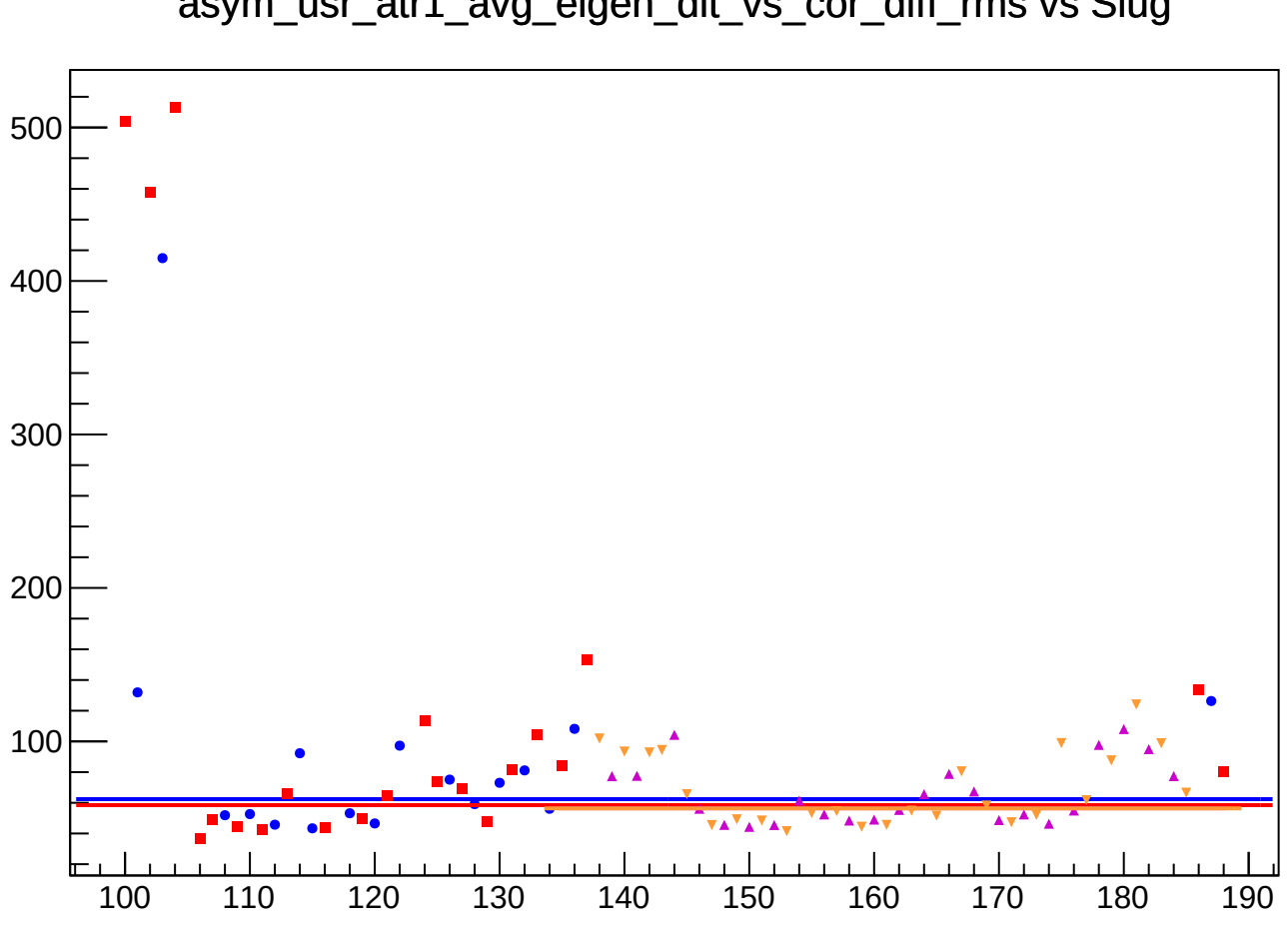
Right Out: 0.036+/-0.024 χ^2/NDF: 30.1/20

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/41

All: 0.005+/-0.009 χ^2/NDF: 99.3/85

- sign 0.022+/-0.012 χ^2/NDF: 61.2/43



Right In: 62.382+/-0.019 χ^2/NDF: 2030496.2/16

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

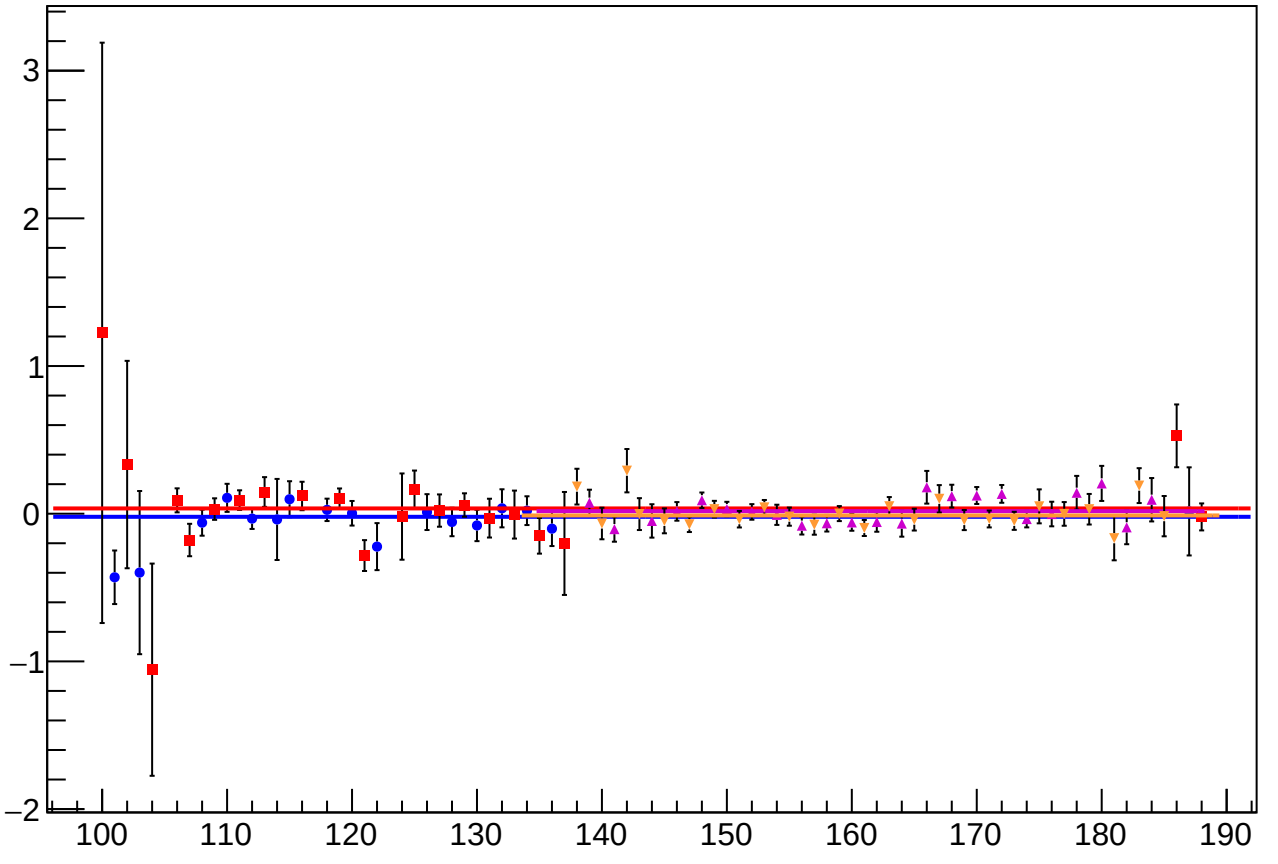
Right Out: 58.467+/-0.017 χ^2/NDF: 2978090.0/20

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 57.735+/-0.009 χ^2/NDF: 4907680.6/41

All: 57.368+/-0.006 χ^2/NDF: 10039607.8/85

- sign 57.015+/-0.009 χ^2/NDF: 5128588.7/43



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

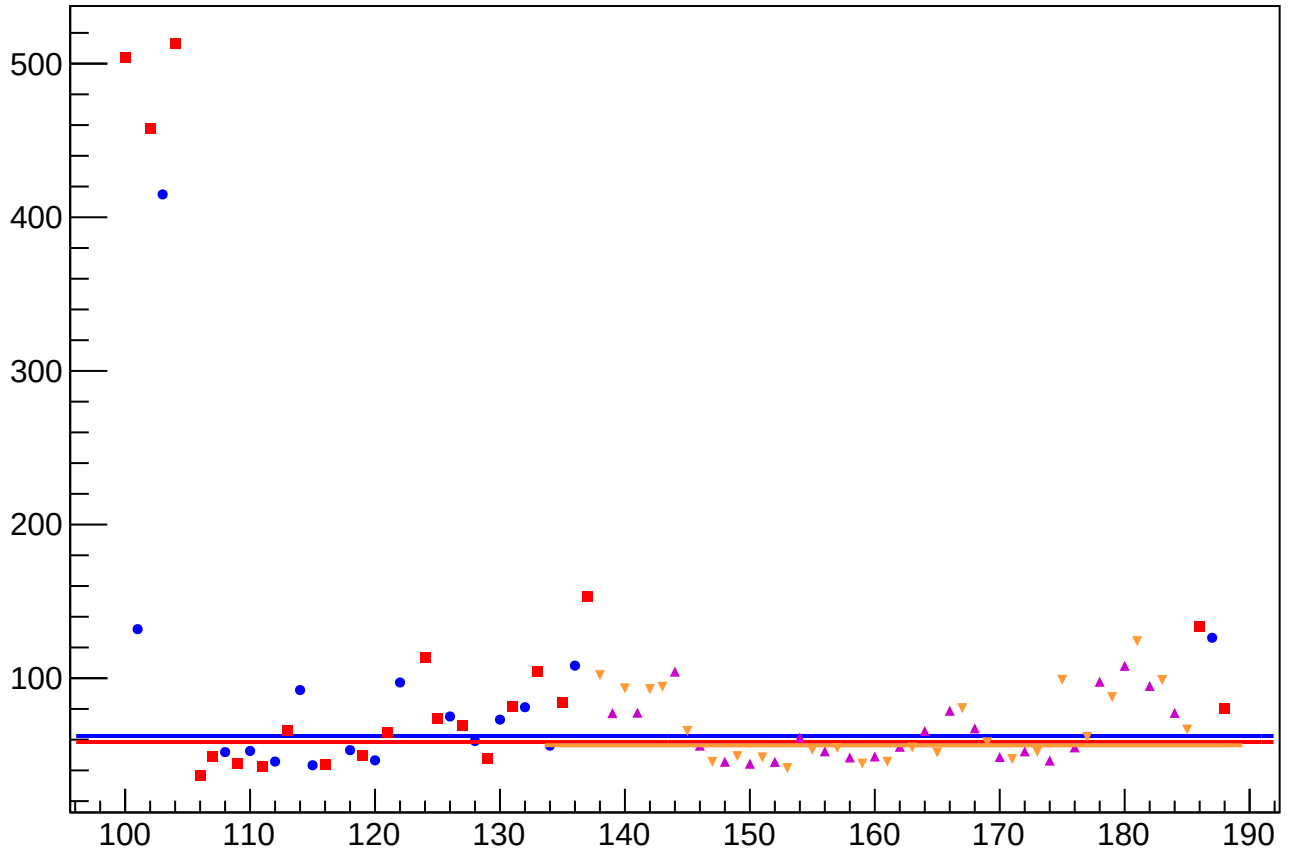
Right Out: 0.036+/-0.024 χ^2/NDF: 30.1/20

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/41

All: 0.005+/-0.009 χ^2/NDF: 99.3/85

- sign 0.022+/-0.012 χ^2/NDF: 61.2/43



Right In: 62.382+/-0.019 χ^2/NDF: 2030496.2/16

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

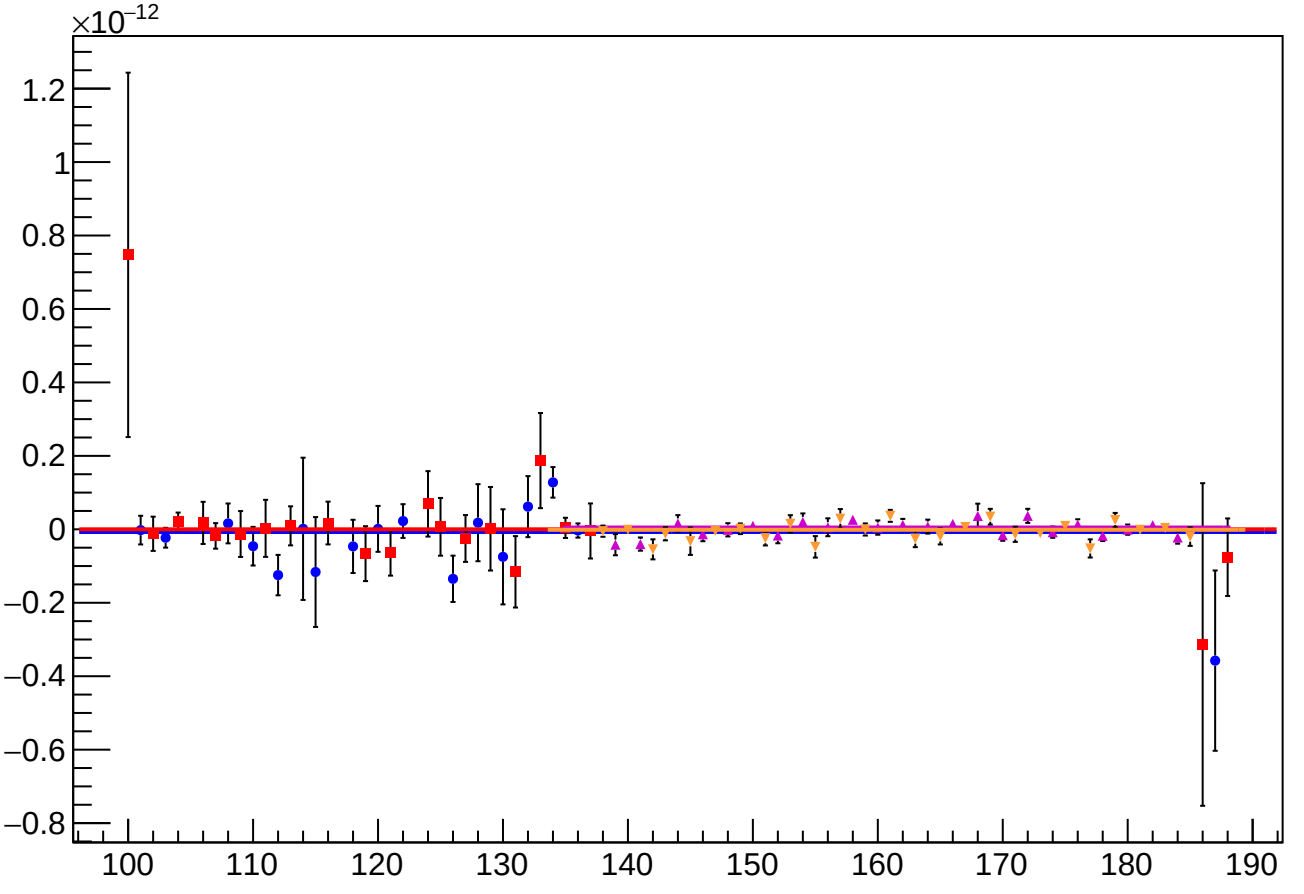
Right Out: 58.467+/-0.017 χ^2/NDF: 2978090.0/20

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 57.735+/-0.009 χ^2/NDF: 4907680.6/41

All: 57.368+/-0.006 χ^2/NDF: 10039607.8/85

- sign 57.015+/-0.009 χ^2/NDF: 5128588.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

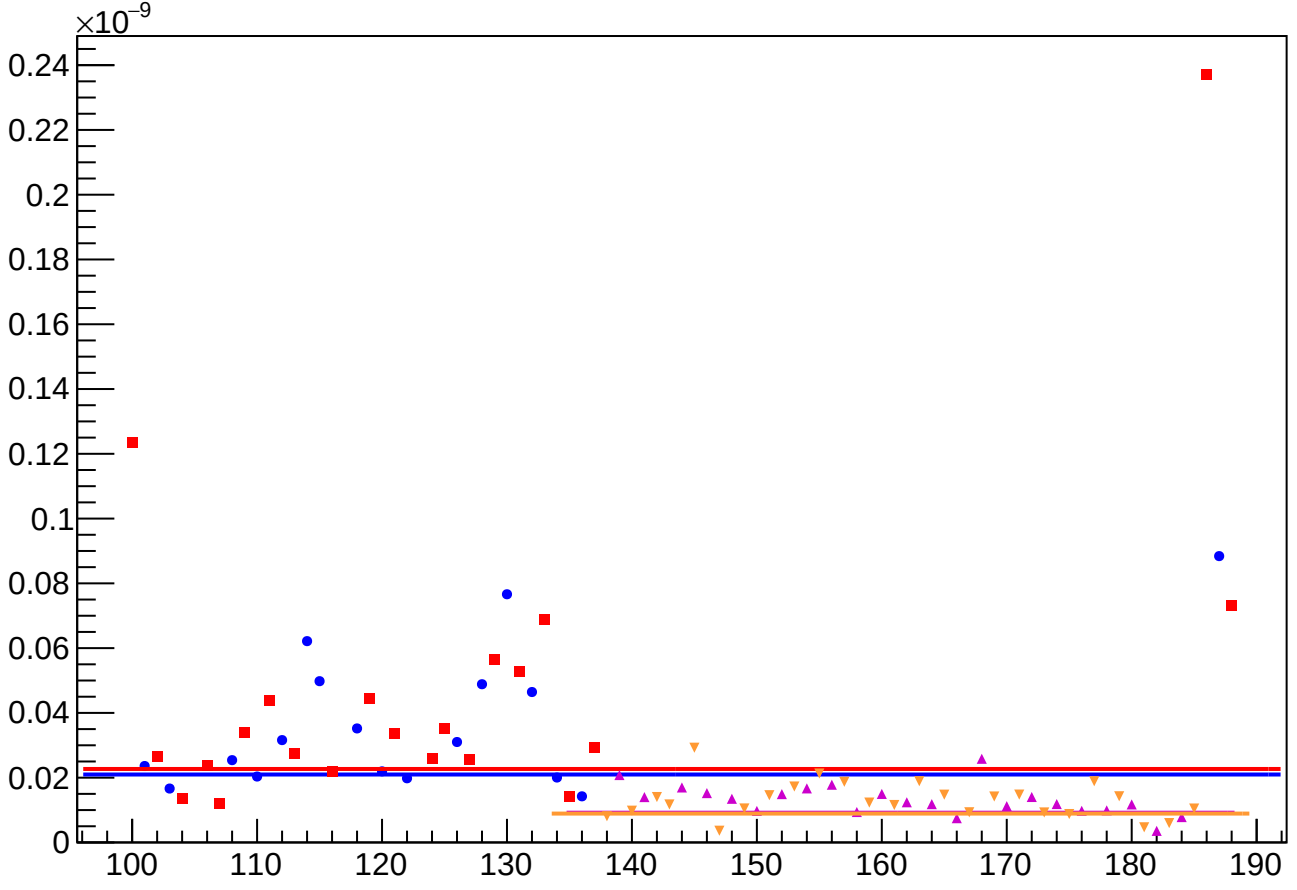
Right Out: -0.000+/-0.000 χ^2/NDF: 10.7/20

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.5/41

All: 0.000+/-0.000 χ^2/NDF: 96.1/85

- sign 0.000+/-0.000 χ^2/NDF: 39.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1535823.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2849335.6/20

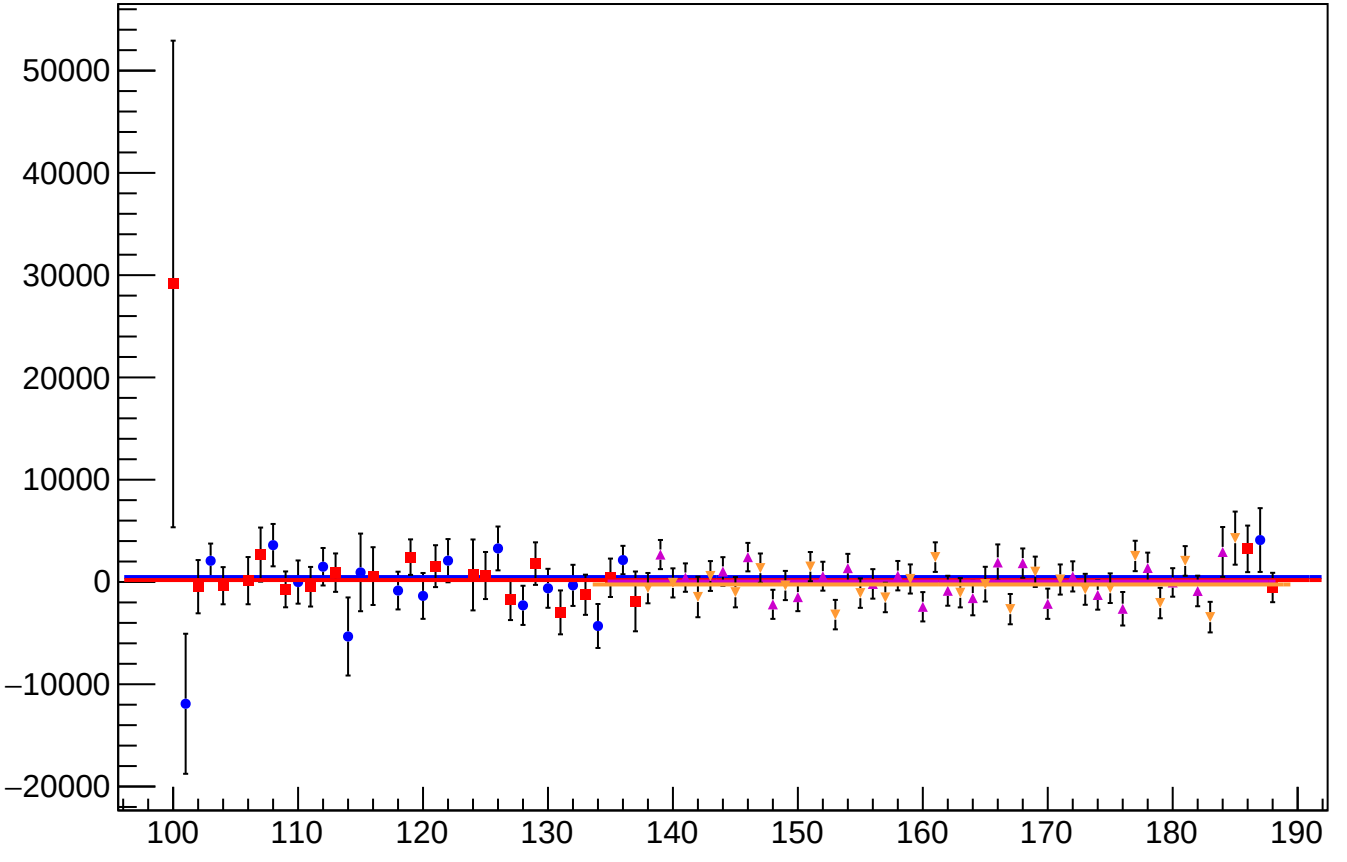
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8734462.6/41

All: 0.000+/-0.000 χ^2/NDF: 19129436.6/85

- sign 0.000+/-0.000 χ^2/NDF: 10381441.6/43

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 481.143+/-510.798 χ^2/NDF: 22.9/16

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 187.252+/-463.157 χ^2/NDF: 12.0/20

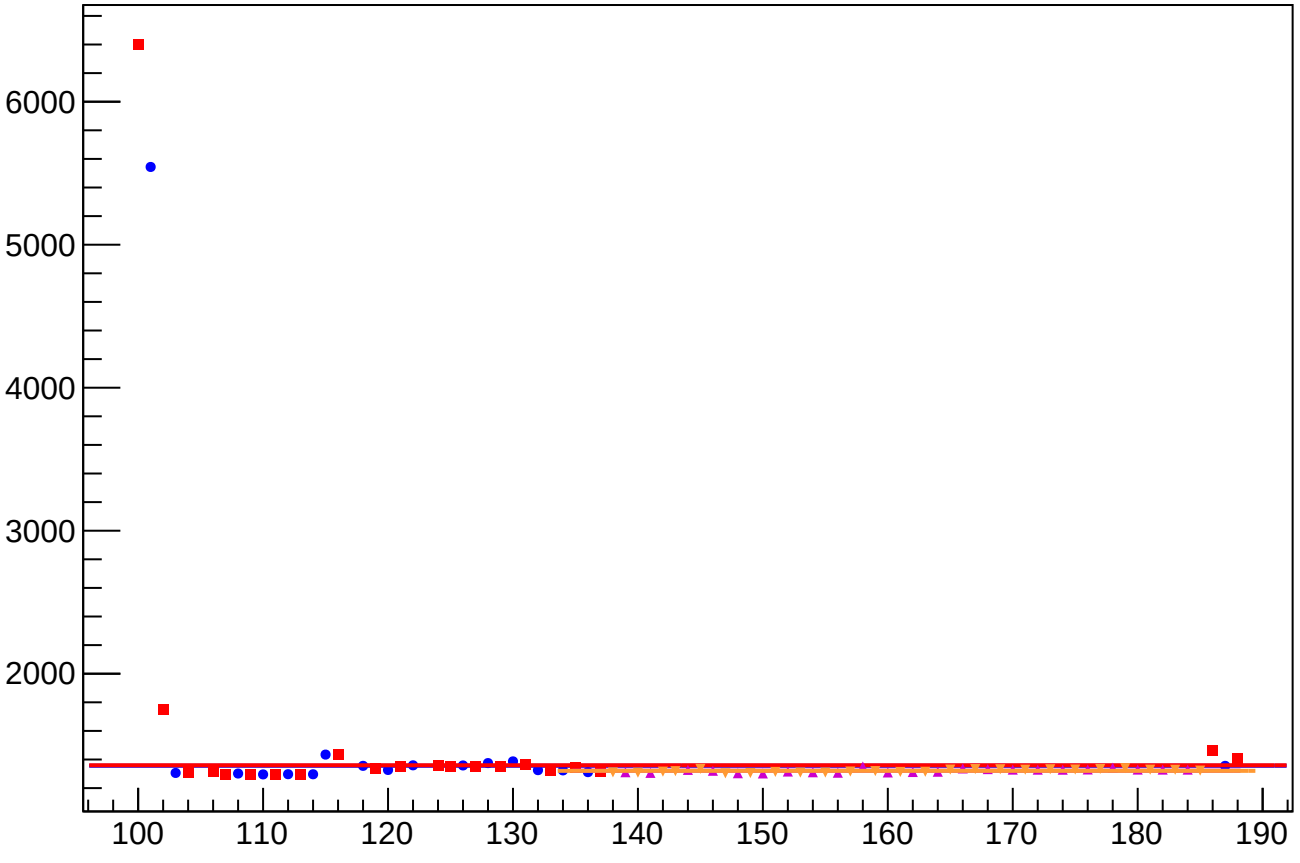
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -55.689+/-258.689 χ^2/NDF: 56.1/41

All: 14.997+/-182.259 χ^2/NDF: 95.5/85

- sign 84.670+/-256.827 χ^2/NDF: 39.2/43

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.376+/-0.361 χ^2/NDF: 760266.5/16

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1359.756+/-0.328 χ^2/NDF: 154561.5/20

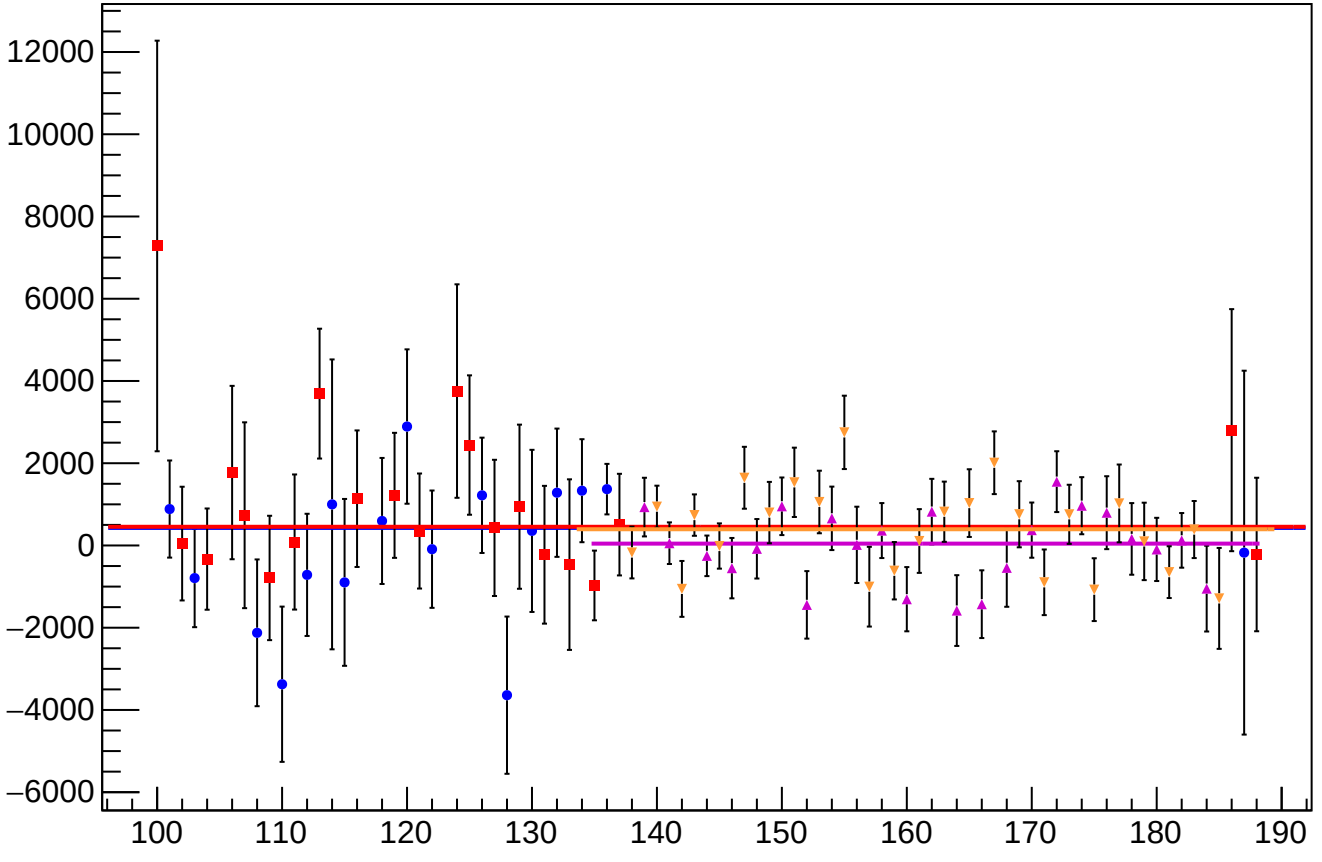
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.880+/-0.183 χ^2/NDF: 770106.3/41

All: 1331.682+/-0.129 χ^2/NDF: 937724.3/85

- sign 1333.459+/-0.182 χ^2/NDF: 167425.2/43

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 426.844+/-337.473 χ^2/NDF: 18.3/16

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 454.392+/-346.877 χ^2/NDF: 15.2/20

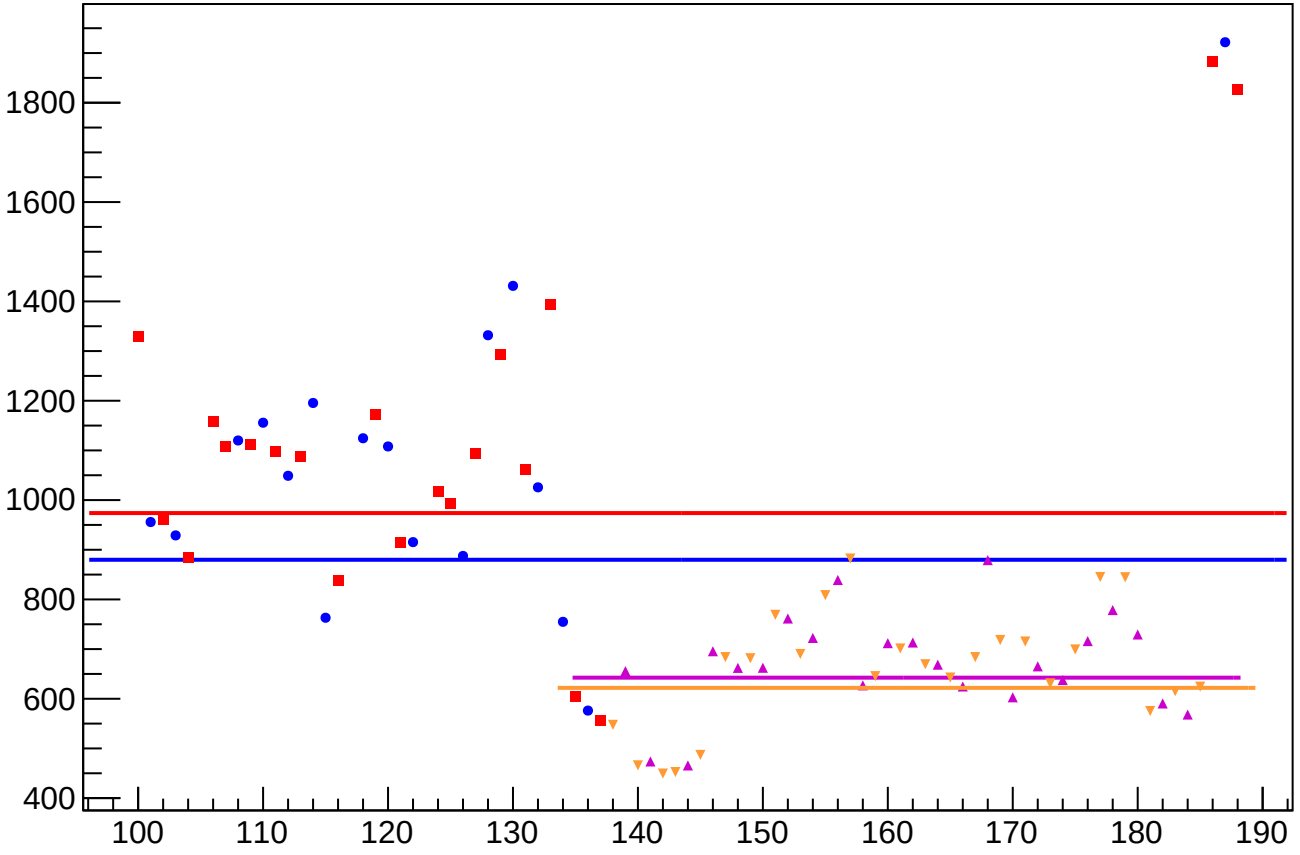
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 399.557+/-132.883 χ^2/NDF: 60.1/41

All: 262.260+/-96.209 χ^2/NDF: 106.3/85

- sign 111.002+/-139.476 χ^2/NDF: 43.9/43

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 879.830+/-0.239 χ^2/NDF: 1126436.4/16

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 973.862+/-0.245 χ^2/NDF: 1499299.3/20

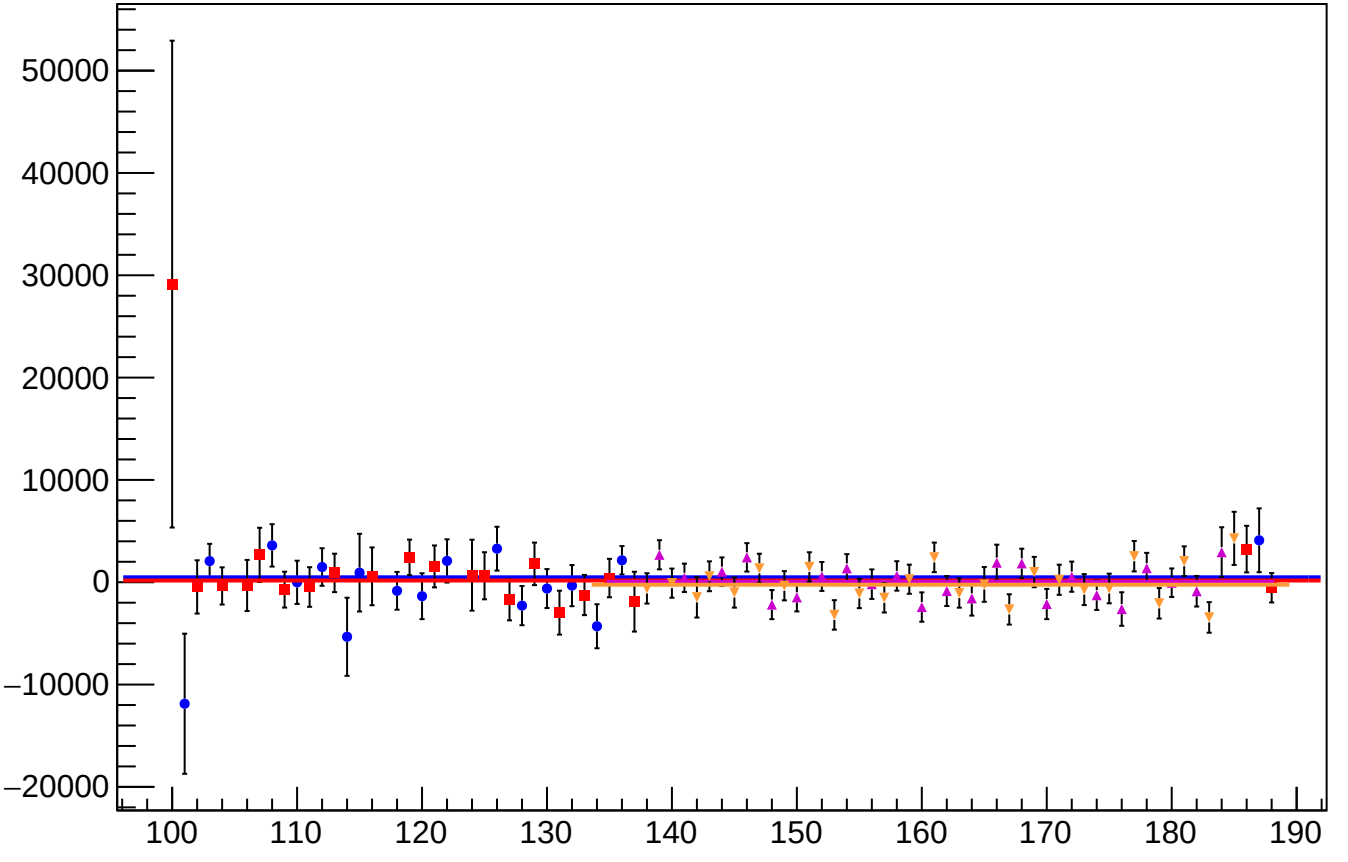
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 661.934+/-0.094 χ^2/NDF: 3496687.5/41

All: 678.166+/-0.068 χ^2/NDF: 7515330.5/85

- sign 696.048+/-0.099 χ^2/NDF: 3955922.5/43

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 481.439+/-510.798 χ^2/NDF: 22.9/16

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 172.508+/-464.507 χ^2/NDF: 12.1/20

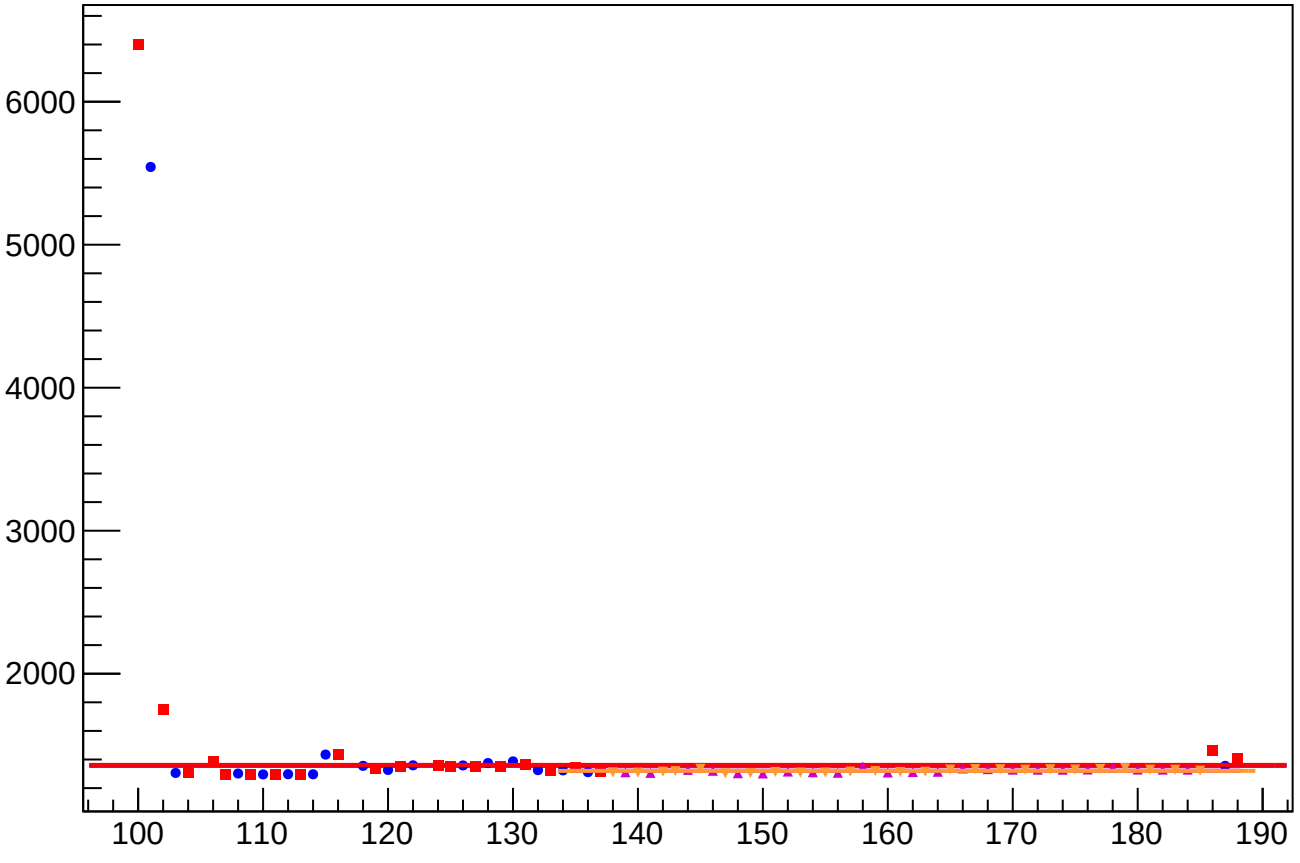
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -55.615+/-258.689 χ^2/NDF: 56.1/41

All: 12.632+/-182.341 χ^2/NDF: 95.5/85

- sign 80.020+/-257.057 χ^2/NDF: 39.2/43

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.376+/-0.361 χ^2/NDF: 760265.5/16

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1362.474+/-0.328 χ^2/NDF: 154093.7/20

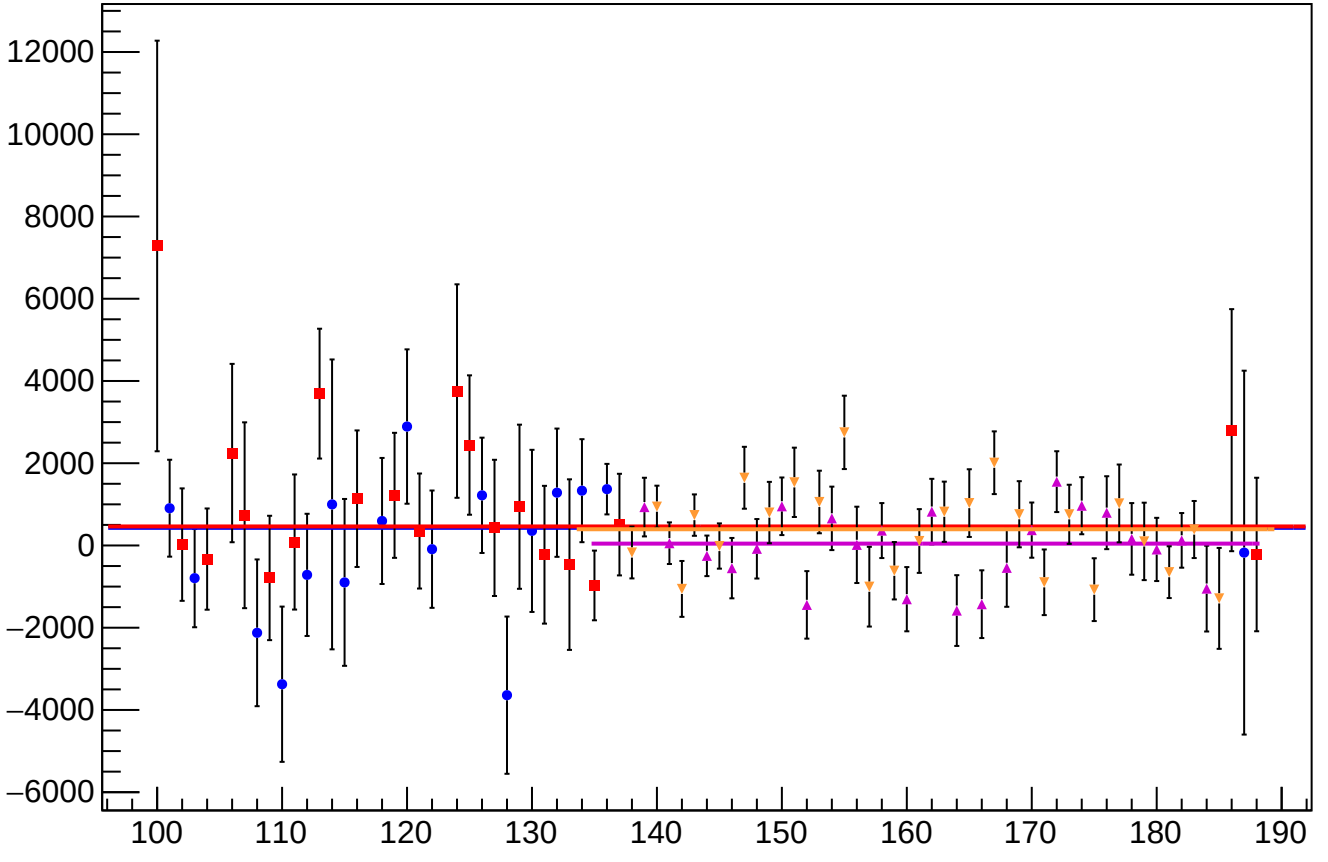
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.880+/-0.183 χ^2/NDF: 770105.3/41

All: 1332.076+/-0.129 χ^2/NDF: 938686.1/85

- sign 1334.244+/-0.182 χ^2/NDF: 168294.4/43

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 428.609+/-337.417 χ^2/NDF: 18.3/16

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 462.462+/-346.882 χ^2/NDF: 15.5/20

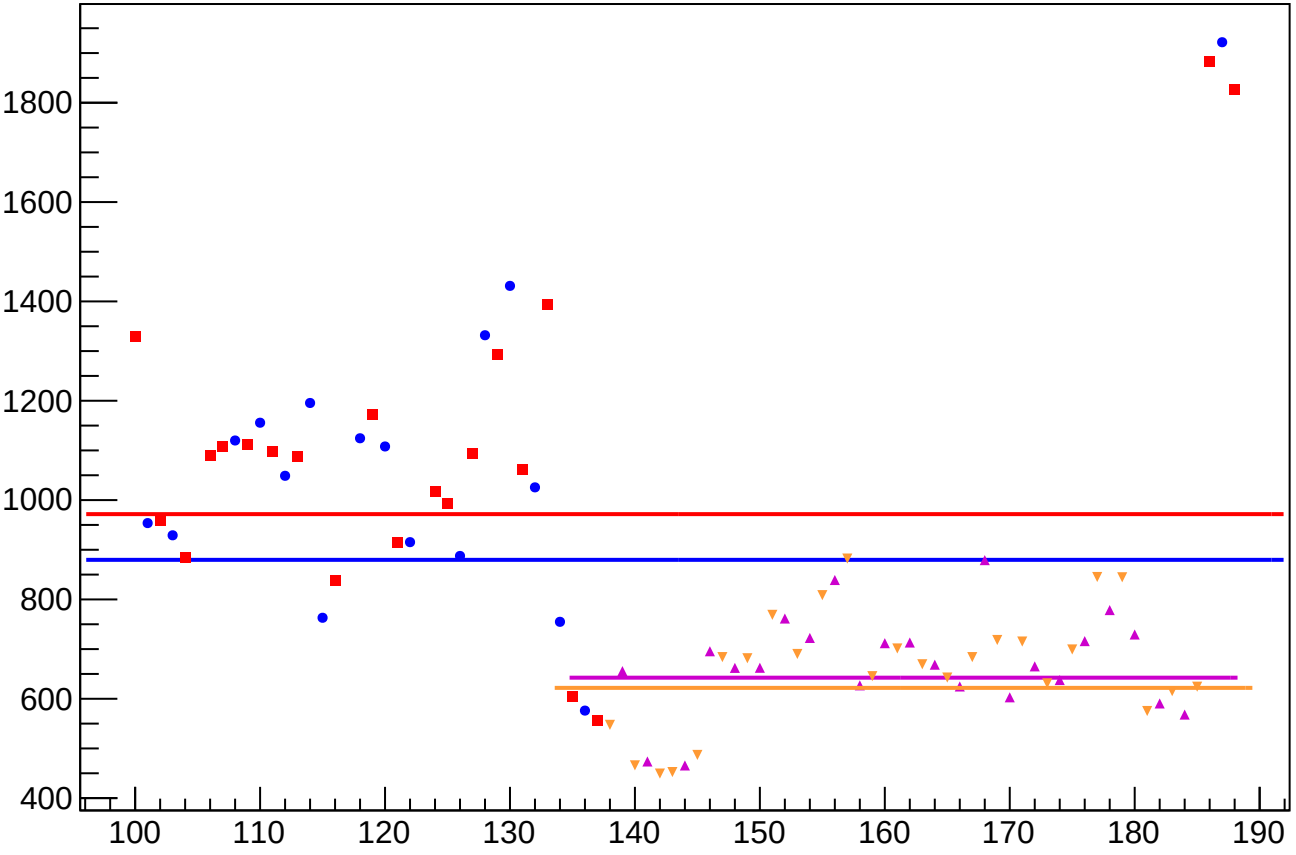
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 399.808+/-132.880 χ^2/NDF: 60.1/41

All: 263.011+/-96.207 χ^2/NDF: 106.6/85

- sign 112.295+/-139.475 χ^2/NDF: 44.3/43

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 879.702+/-0.239 χ^2/NDF: 1126009.9/16

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 971.742+/-0.245 χ^2/NDF: 1489863.0/20

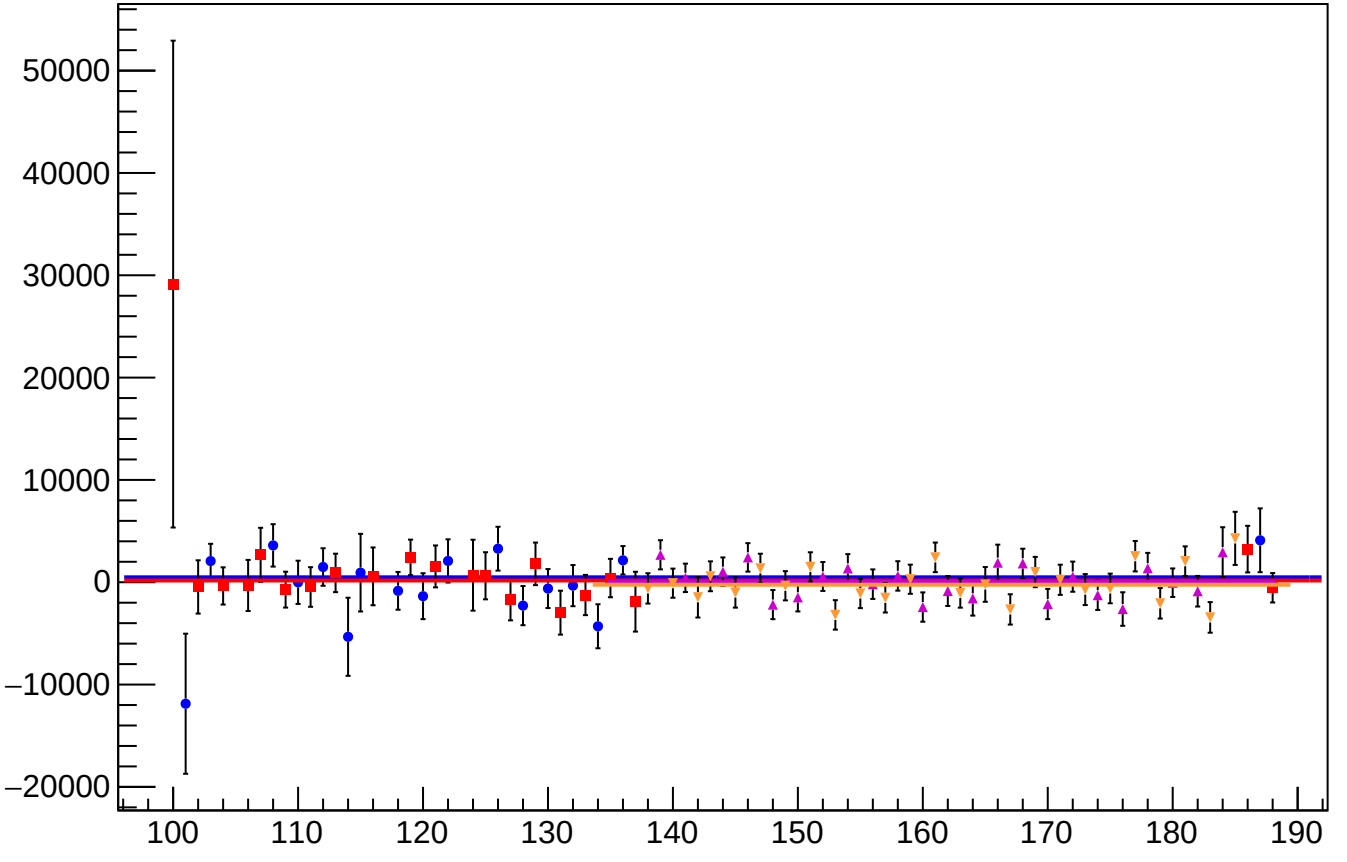
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 661.925+/-0.094 χ^2/NDF: 3495461.7/41

All: 677.995+/-0.068 χ^2/NDF: 7483966.5/85

- sign 695.700+/-0.099 χ^2/NDF: 3927026.4/43

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 481.439+/-510.798 χ^2/NDF: 22.9/16

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 172.508+/-464.507 χ^2/NDF: 12.1/20

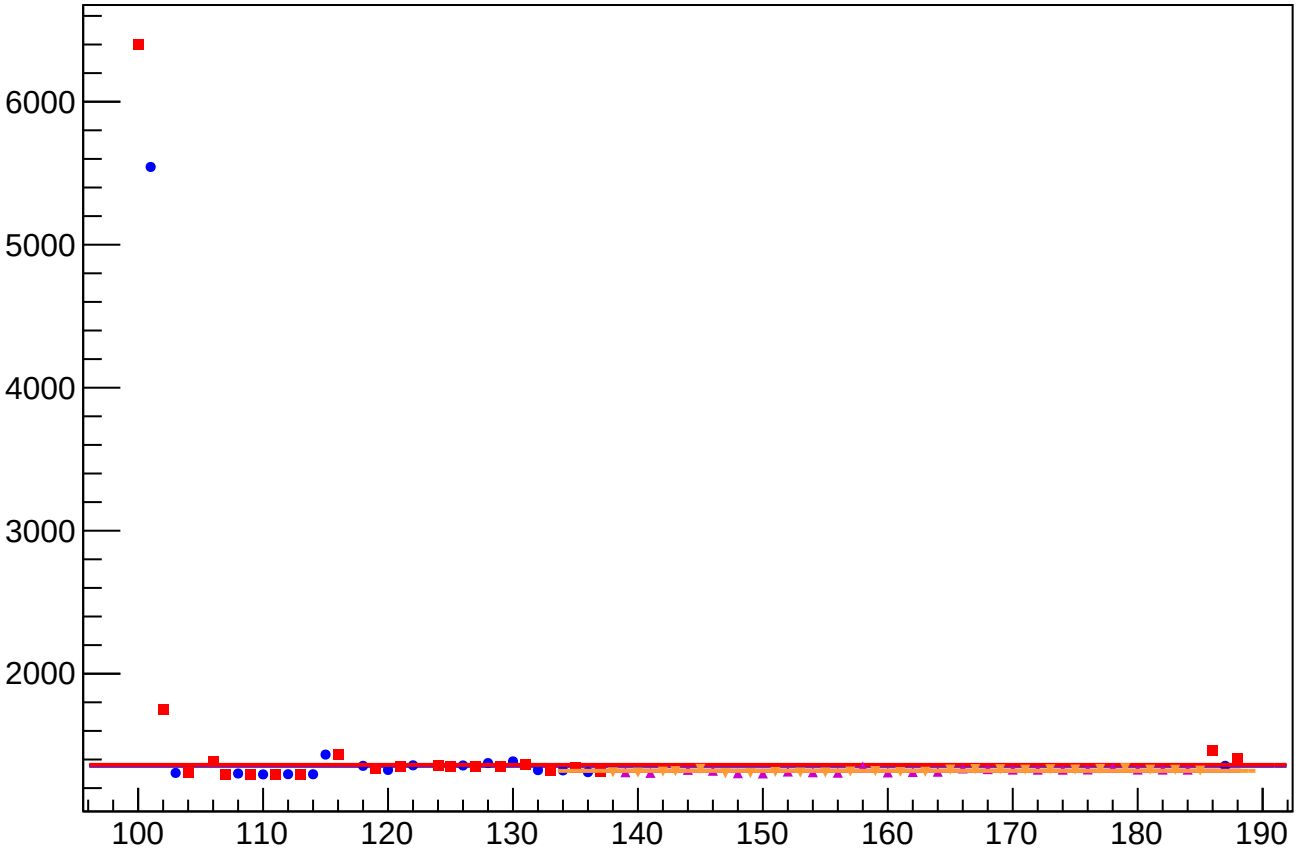
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -55.615+/-258.689 χ^2/NDF: 56.1/41

All: 12.632+/-182.341 χ^2/NDF: 95.5/85

- sign 80.020+/-257.057 χ^2/NDF: 39.2/43

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.376+/-0.361 χ^2/NDF: 760265.5/16

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

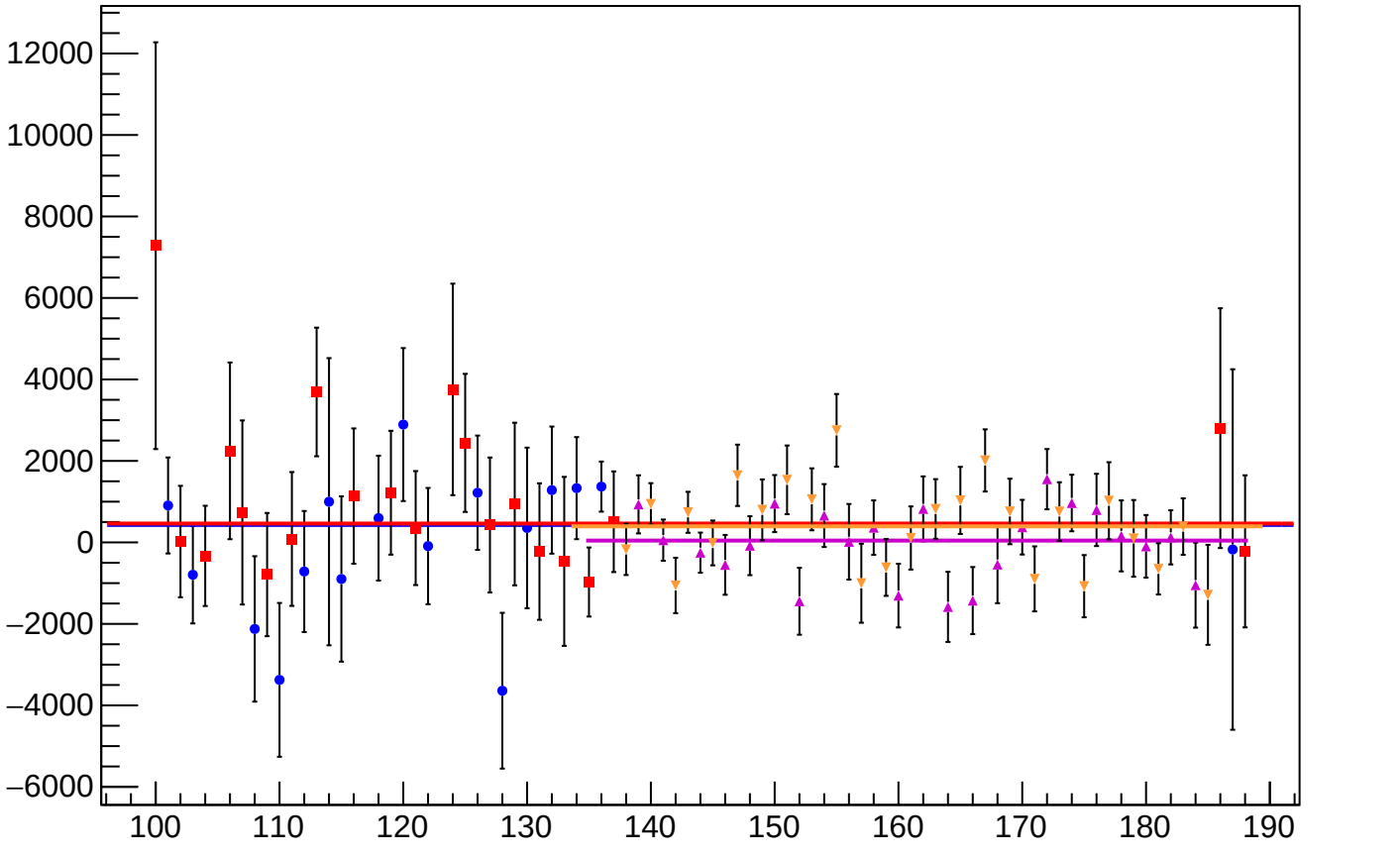
Right Out: 1362.474+/-0.328 χ^2/NDF: 154093.7/20

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.880+/-0.183 χ^2/NDF: 770105.3/41

All: 1332.076+/-0.129 χ^2/NDF: 938686.1/85

- sign 1334.244+/-0.182 χ^2/NDF: 168294.4/43



Right In: 428.609+/-337.417 χ^2/NDF: 18.3/16

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 462.462+/-346.882 χ^2/NDF: 15.5/20

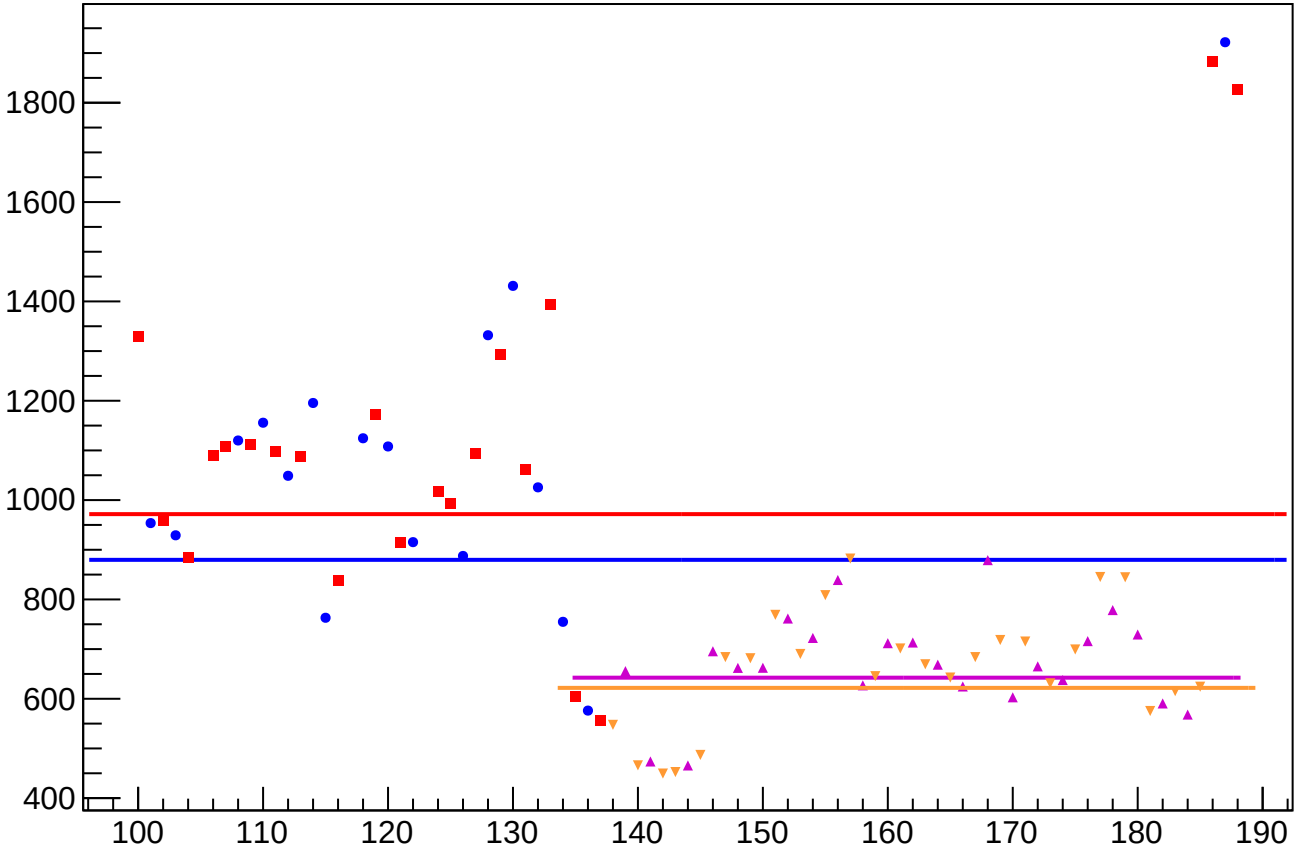
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 399.808+/-132.880 χ^2/NDF: 60.1/41

All: 263.011+/-96.207 χ^2/NDF: 106.6/85

- sign 112.295+/-139.475 χ^2/NDF: 44.3/43

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug



Right In: 879.702+/-0.239 χ^2/NDF: 1126009.9/16

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 971.742+/-0.245 χ^2/NDF: 1489863.0/20

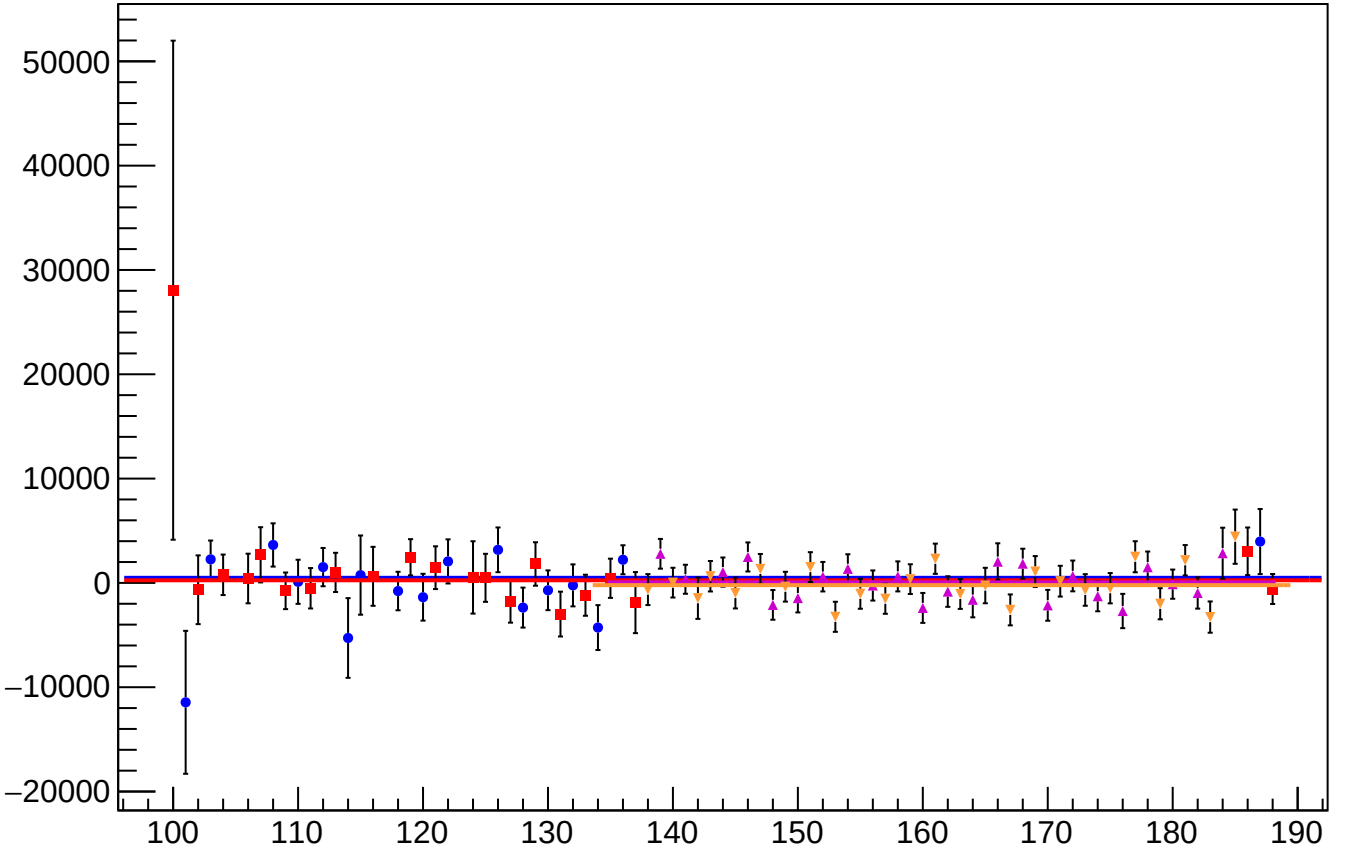
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 661.925+/-0.094 χ^2/NDF: 3495461.7/41

All: 677.995+/-0.068 χ^2/NDF: 7483966.5/85

- sign 695.700+/-0.099 χ^2/NDF: 3927026.4/43

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 486.880+/-514.044 χ^2/NDF: 22.7/16

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 251.427+/-468.723 χ^2/NDF: 11.8/20

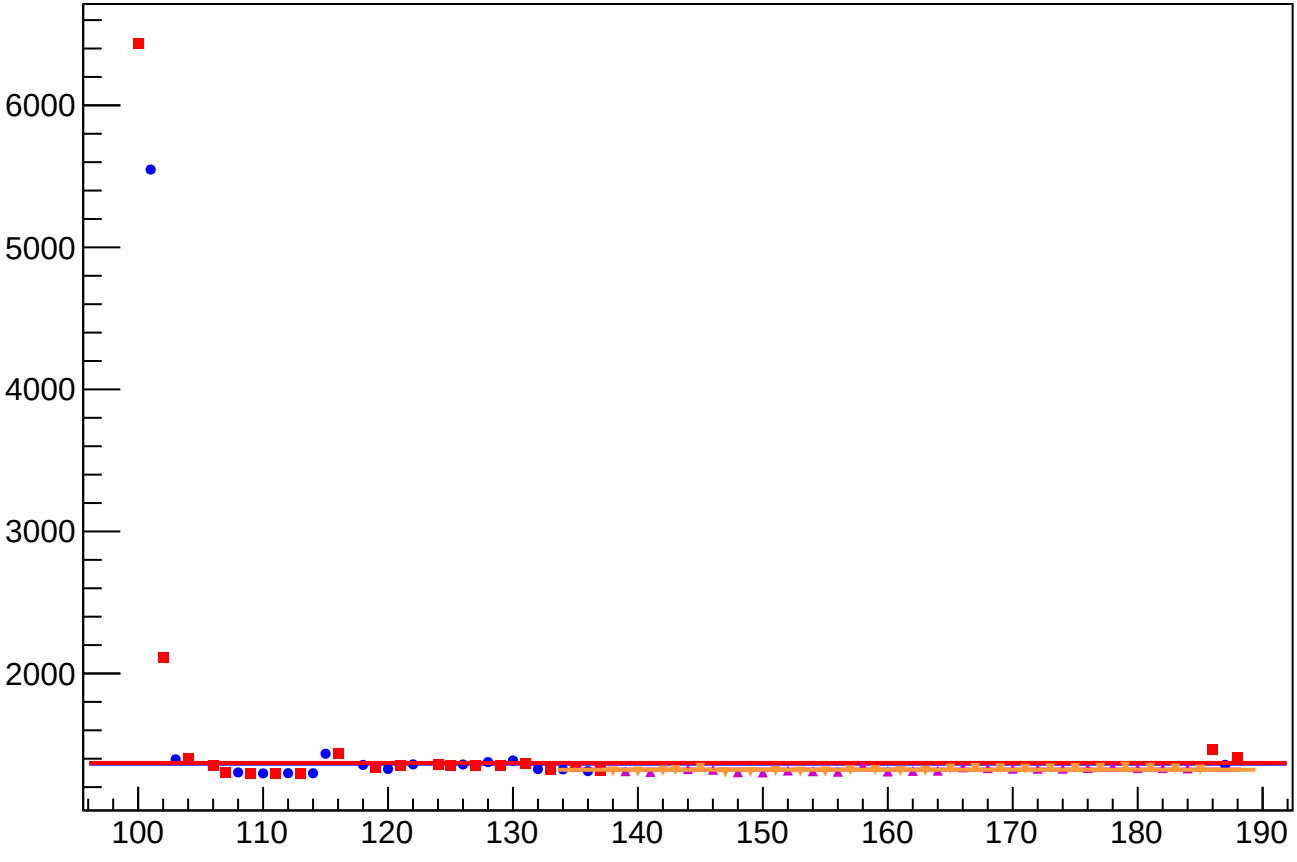
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -36.366+/-259.347 χ^2/NDF: 55.3/41

All: 37.801+/-182.900 χ^2/NDF: 95.2/85

- sign 111.187+/-257.977 χ^2/NDF: 39.8/43

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.068+/-0.363 χ^2/NDF: 758959.6/16

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1370.333+/-0.331 χ^2/NDF: 211084.4/20

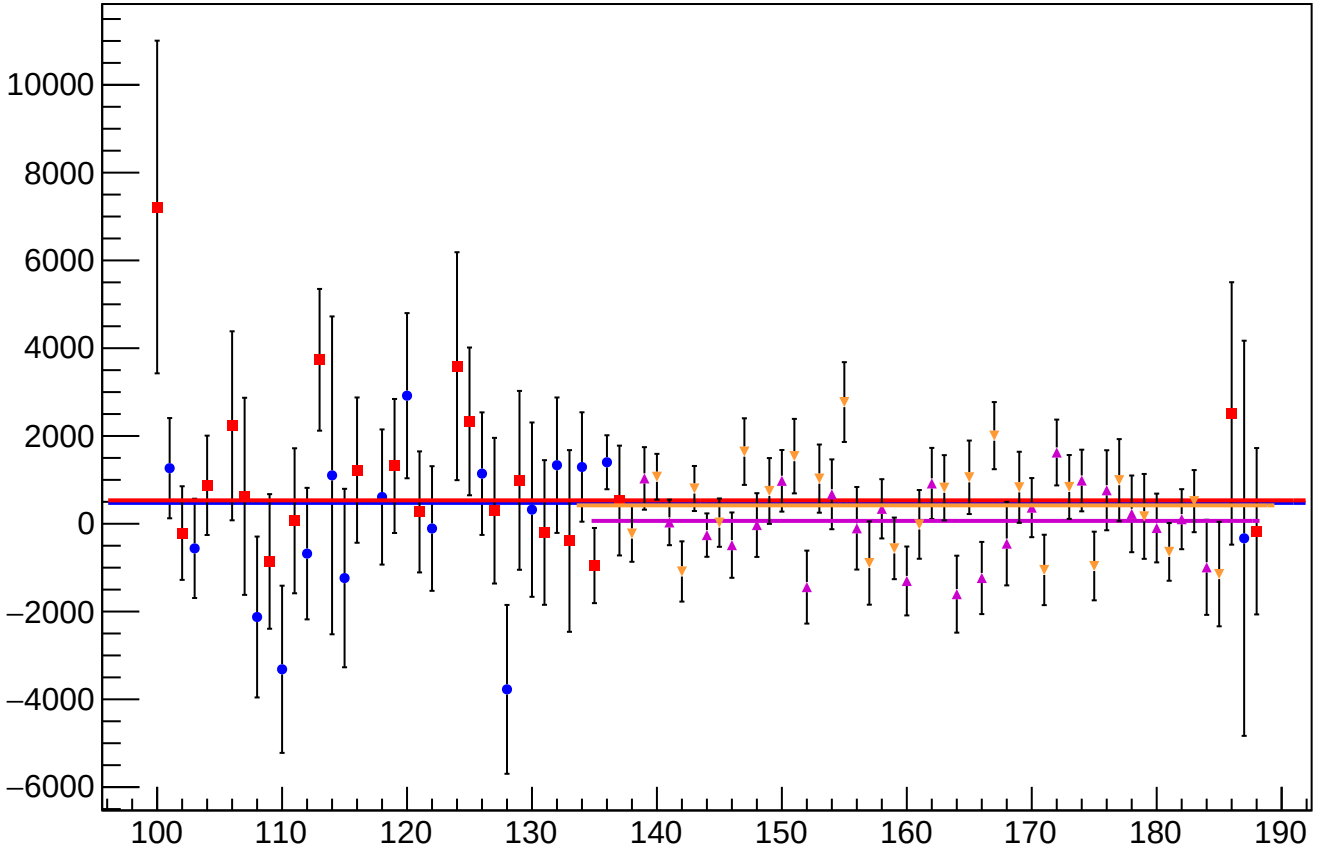
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.238+/-0.183 χ^2/NDF: 772178.5/41

All: 1335.417+/-0.129 χ^2/NDF: 1001415.3/85

- sign 1337.573+/-0.182 χ^2/NDF: 228955.8/43

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 475.895+/-335.584 χ^2/NDF: 18.6/16

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 533.597+/-338.287 χ^2/NDF: 16.2/20

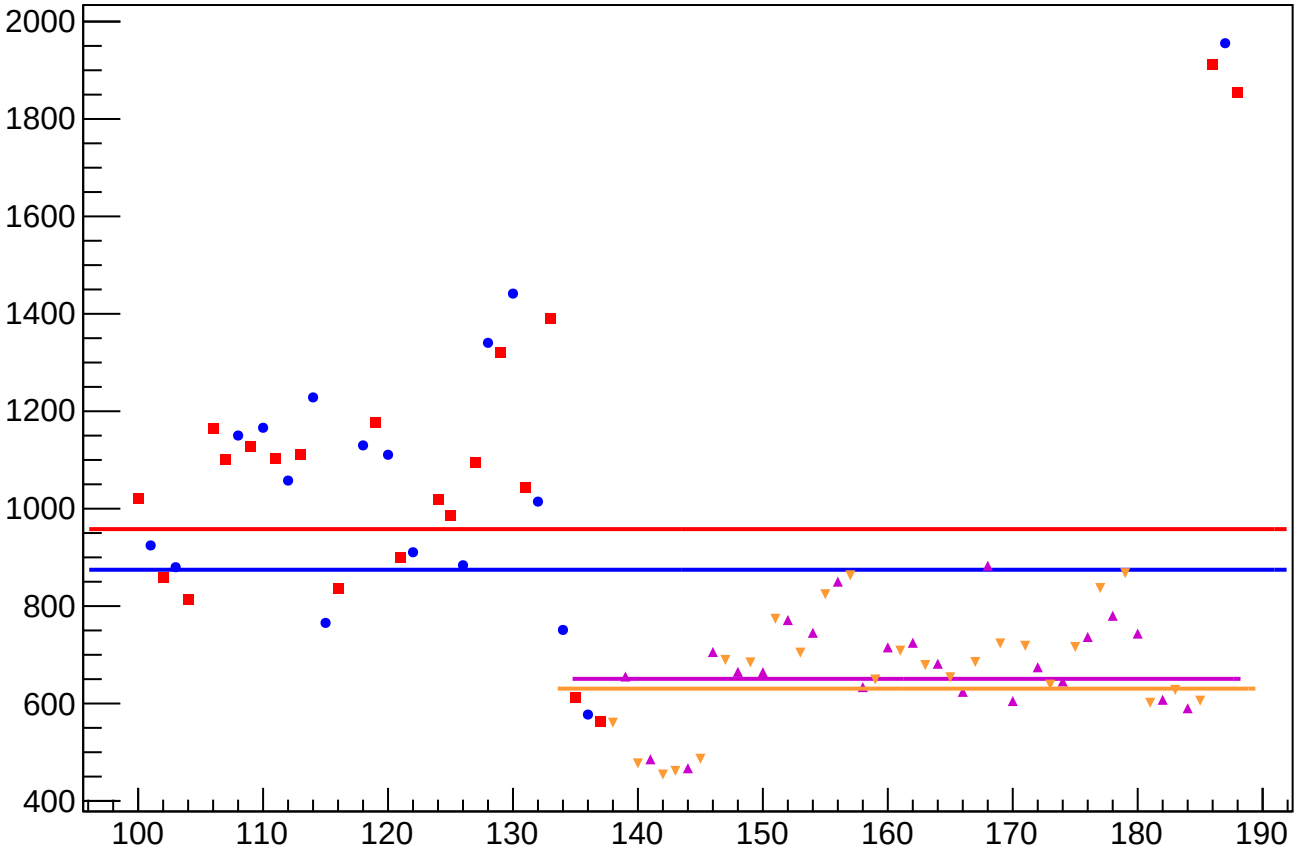
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 428.855+/-134.214 χ^2/NDF: 60.2/41

All: 293.710+/-96.994 χ^2/NDF: 107.2/85

- sign 145.971+/-140.329 χ^2/NDF: 44.8/43

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 874.612+/-0.237 χ^2/NDF: 1137291.7/16

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 958.022+/-0.239 χ^2/NDF: 1539802.9/20

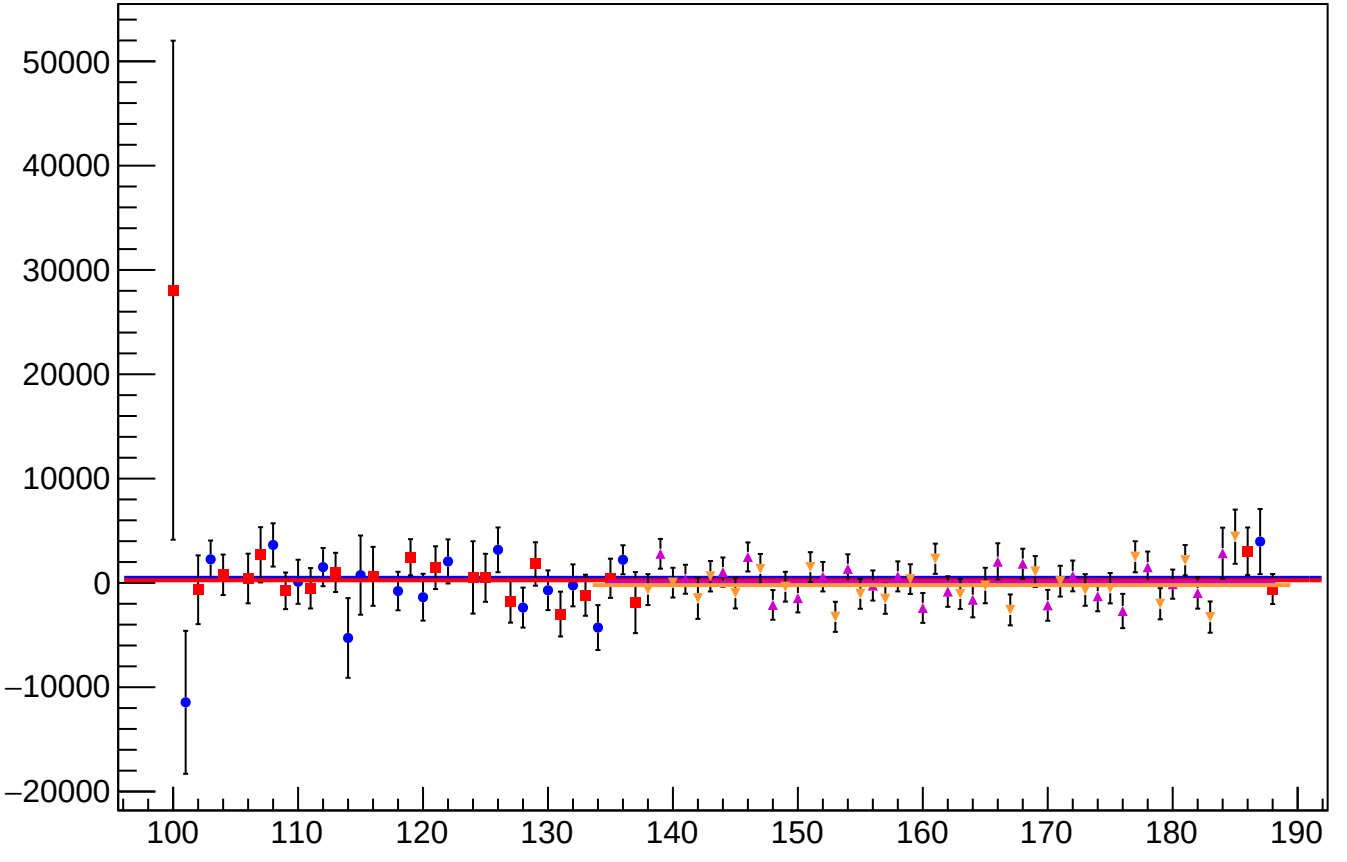
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 669.624+/-0.095 χ^2/NDF: 3354230.5/41

All: 685.823+/-0.069 χ^2/NDF: 7244237.7/85

- sign 703.531+/-0.099 χ^2/NDF: 3829025.2/43

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 486.880+/-514.044 χ^2/NDF: 22.7/16

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 251.426+/-468.723 χ^2/NDF: 11.8/20

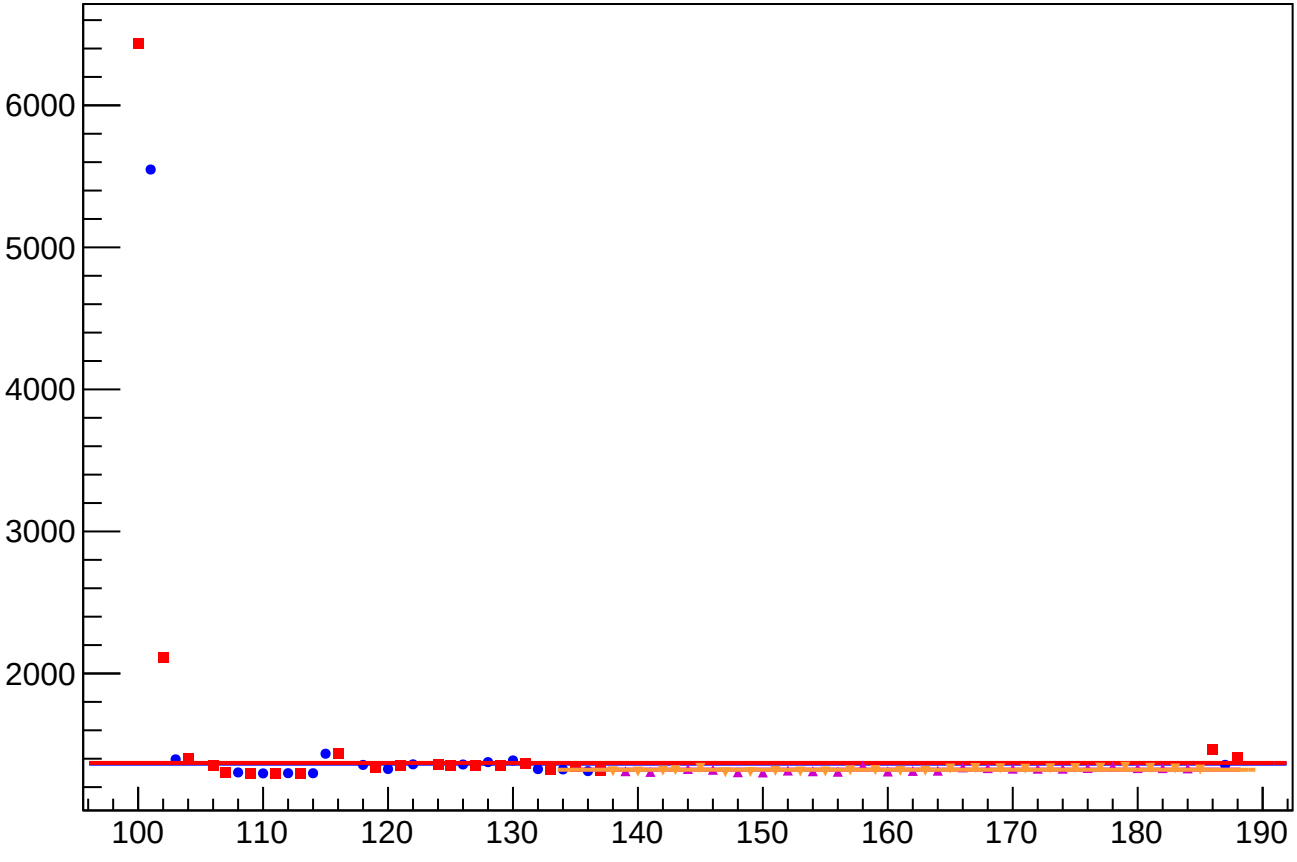
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -36.367+/-259.347 χ^2/NDF: 55.3/41

All: 37.801+/-182.900 χ^2/NDF: 95.2/85

- sign 111.186+/-257.977 χ^2/NDF: 39.8/43

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.068+/-0.363 χ^2/NDF: 758959.6/16

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

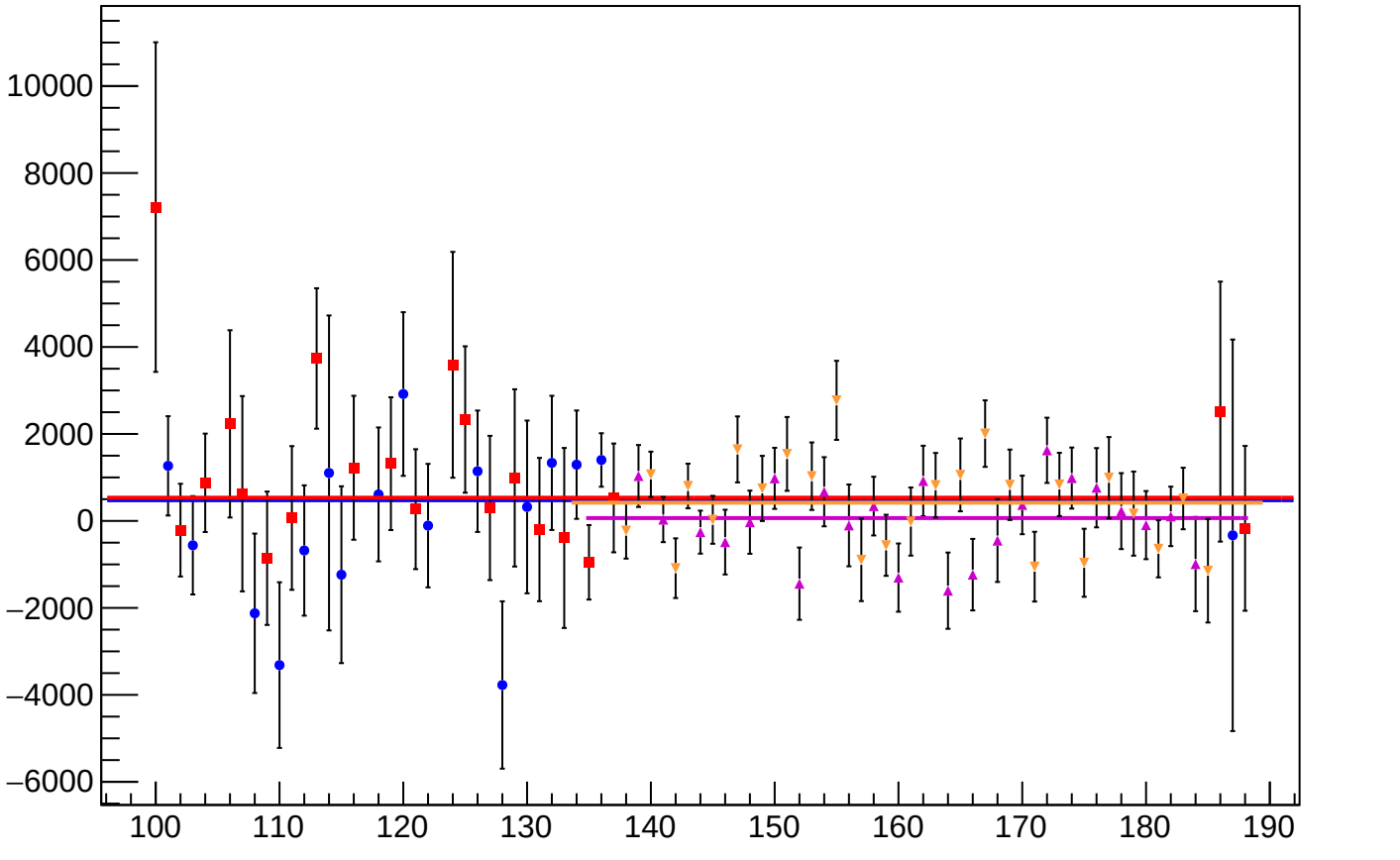
Right Out: 1370.333+/-0.331 χ^2/NDF: 211084.4/20

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.238+/-0.183 χ^2/NDF: 772178.5/41

All: 1335.417+/-0.129 χ^2/NDF: 1001415.2/85

- sign 1337.573+/-0.182 χ^2/NDF: 228955.7/43



Right In: 475.892+/-335.583 χ^2/NDF: 18.6/16

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 533.596+/-338.286 χ^2/NDF: 16.2/20

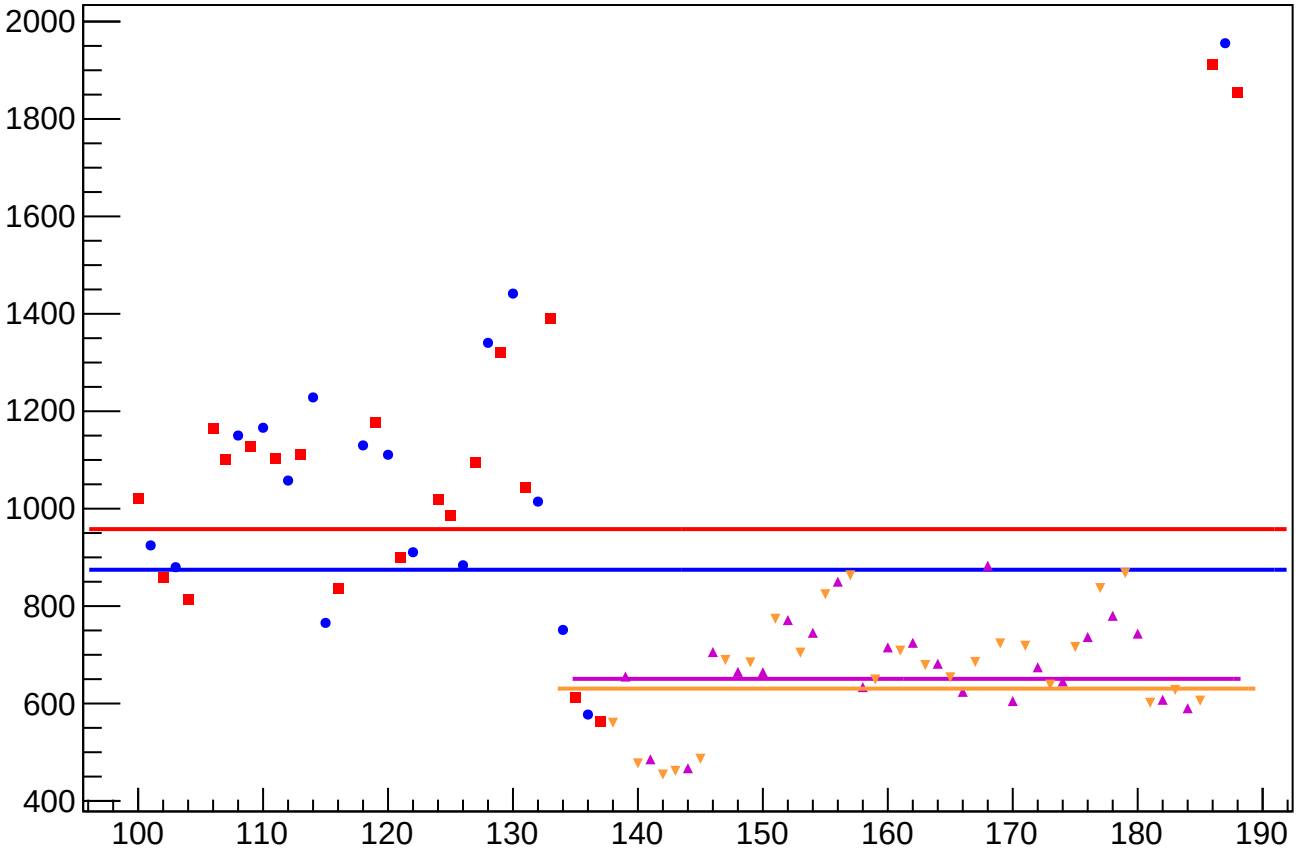
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 428.855+/-134.214 χ^2/NDF: 60.2/41

All: 293.711+/-96.994 χ^2/NDF: 107.2/85

- sign 145.971+/-140.329 χ^2/NDF: 44.8/43

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 874.610+/-0.237 χ^2/NDF: 1137290.1/16

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 958.020+/-0.239 χ^2/NDF: 1539802.1/20

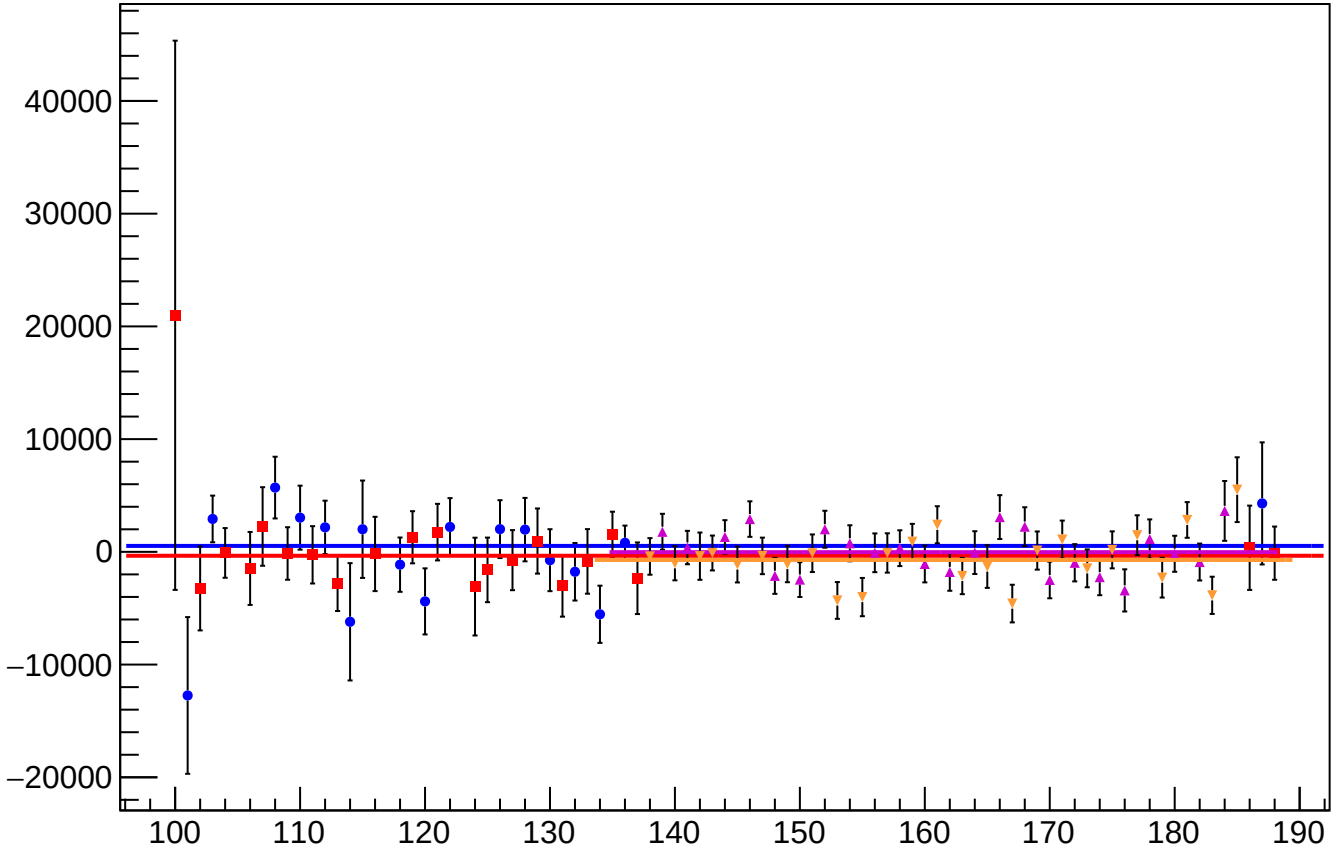
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 669.624+/-0.095 χ^2/NDF: 3354230.6/41

All: 685.823+/-0.069 χ^2/NDF: 7244225.8/85

- sign 703.532+/-0.099 χ^2/NDF: 3829011.2/43

asym_usr_atr1_dd_mean vs Slug



Right In: 527.661+/-644.628 χ^2/NDF: 23.2/16

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -346.855+/-611.149 χ^2/NDF: 7.3/20

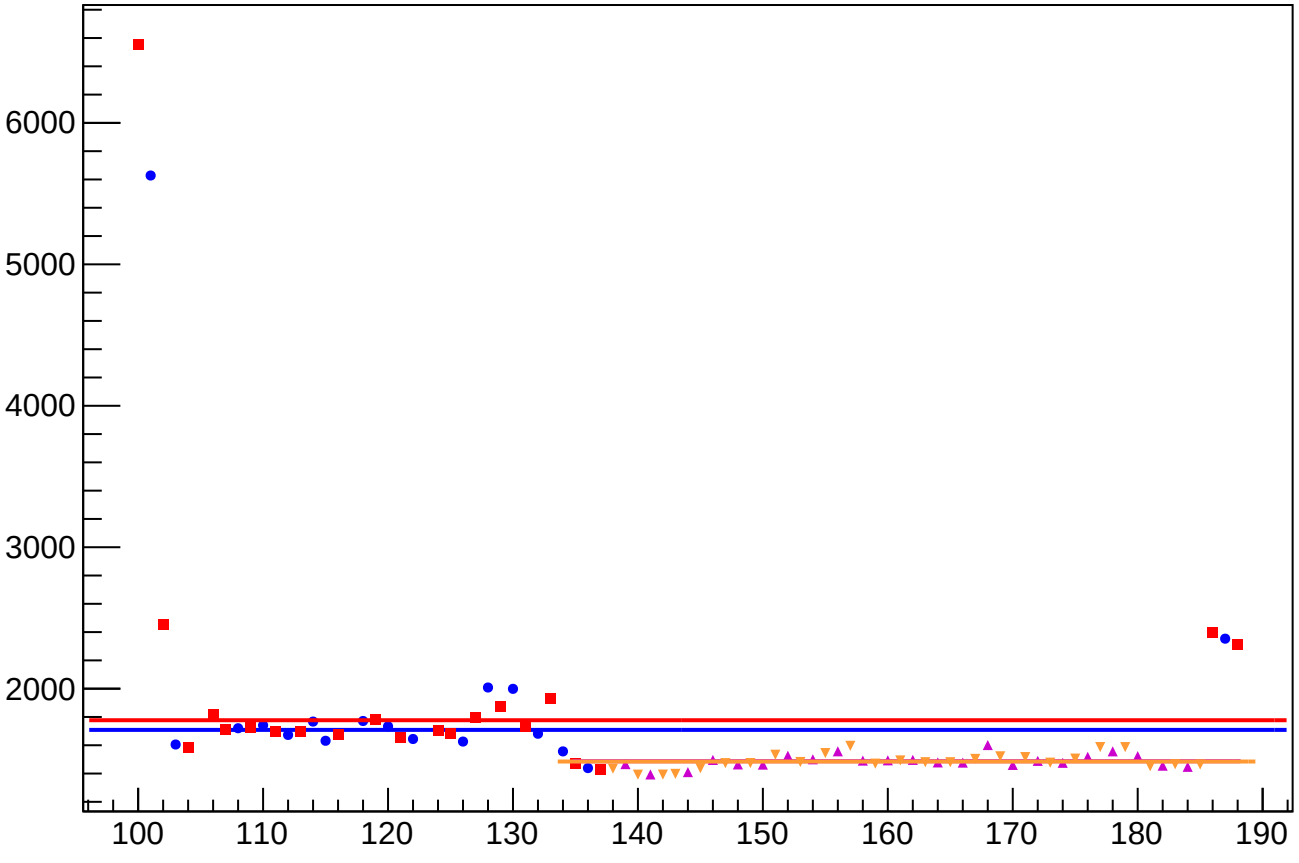
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

\+ sign -450.140+/-299.053 χ^2/NDF: 63.9/41

All: -279.527+/-212.506 χ^2/NDF: 100.0/85

\- sign -105.506+/-302.026 χ^2/NDF: 35.5/43

asym_usr_atr1_dd_rms vs Slug



Right In: 1708.595+/-0.456 χ^2/NDF: 790856.7/16

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1776.976+/-0.432 χ^2/NDF: 407865.4/20

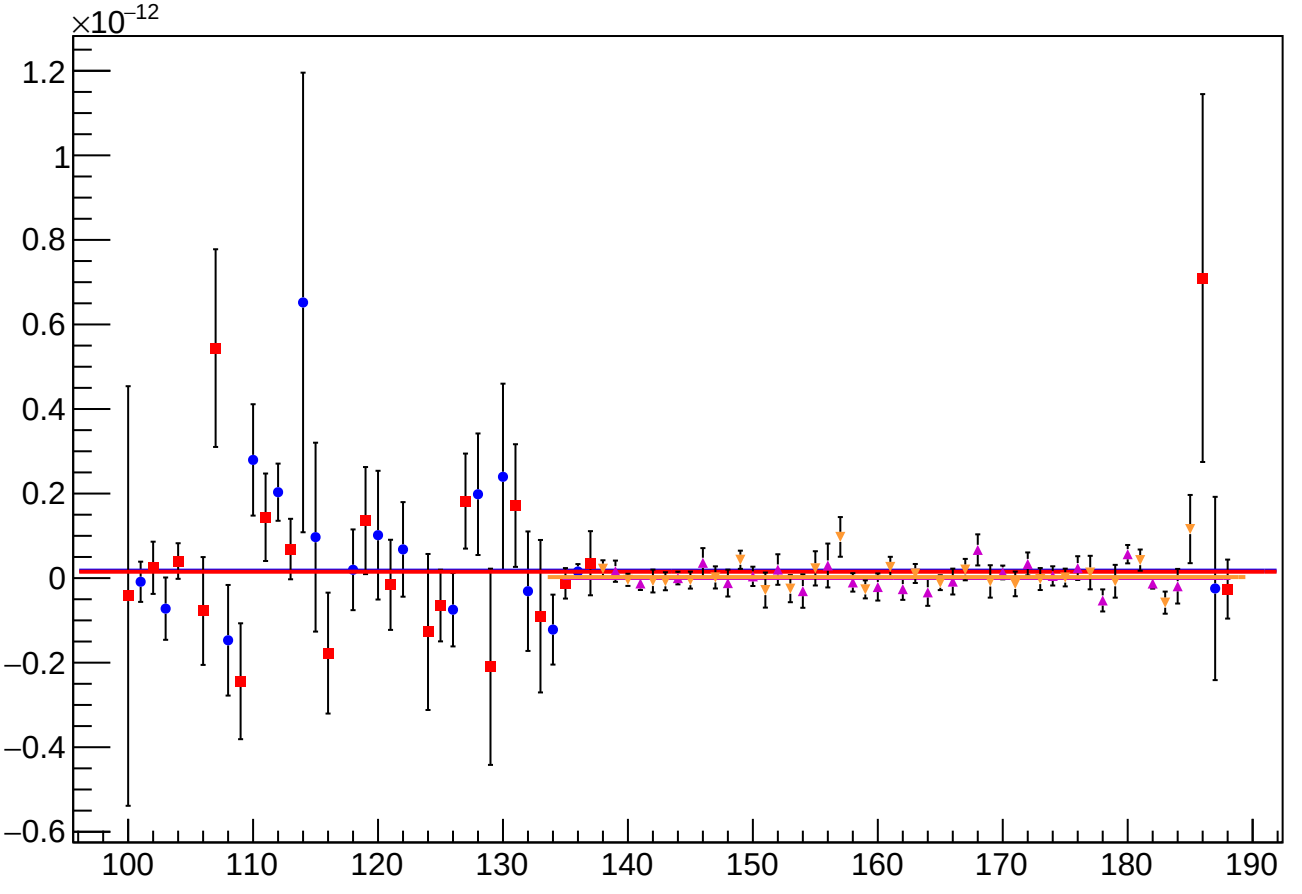
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1533.090+/-0.211 χ^2/NDF: 1030665.7/41

All: 1545.375+/-0.150 χ^2/NDF: 1820195.0/85

- sign 1557.905+/-0.214 χ^2/NDF: 782712.0/43

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/20

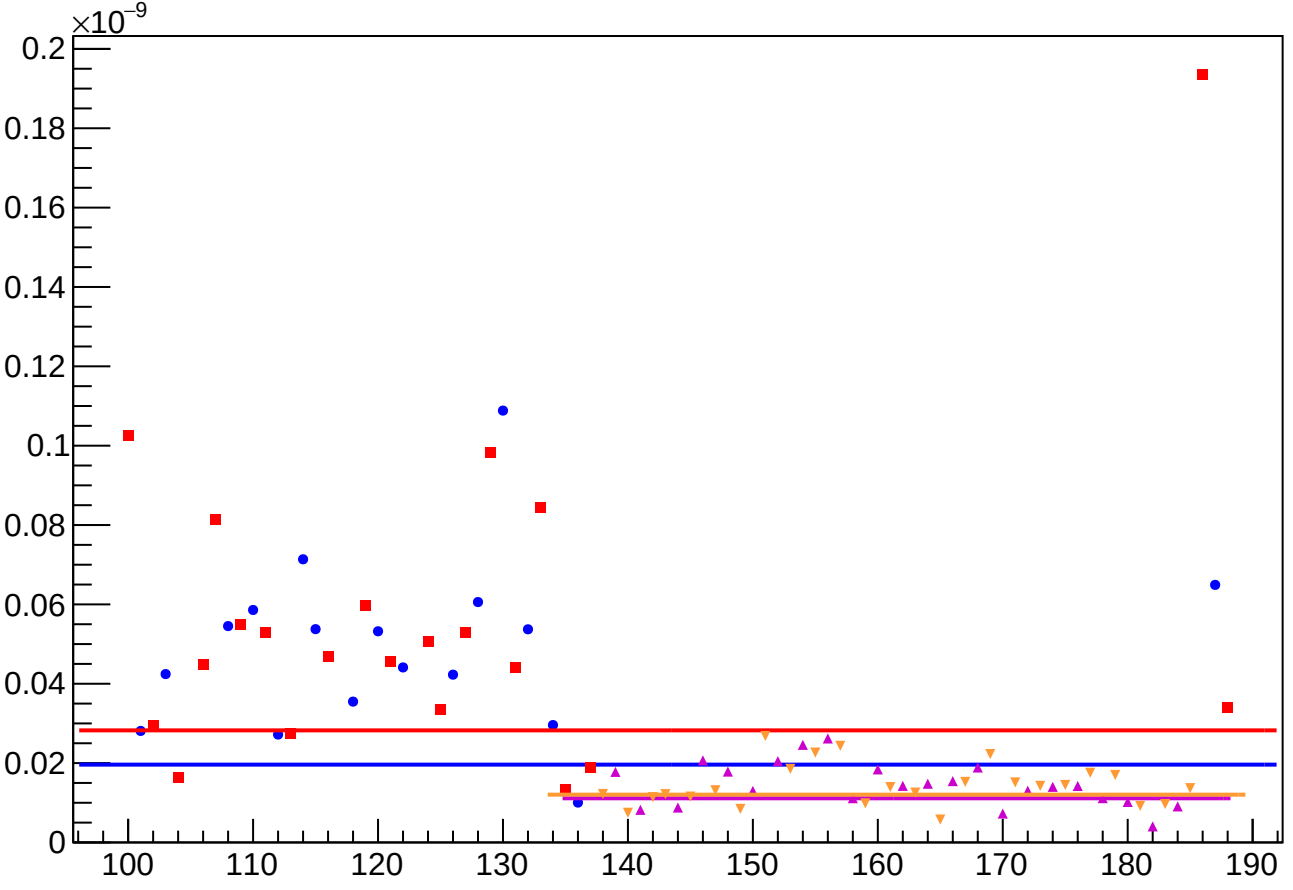
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.0/41

All: 0.000+/-0.000 χ^2/NDF: 100.0/85

- sign 0.000+/-0.000 χ^2/NDF: 49.8/43

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2362157.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

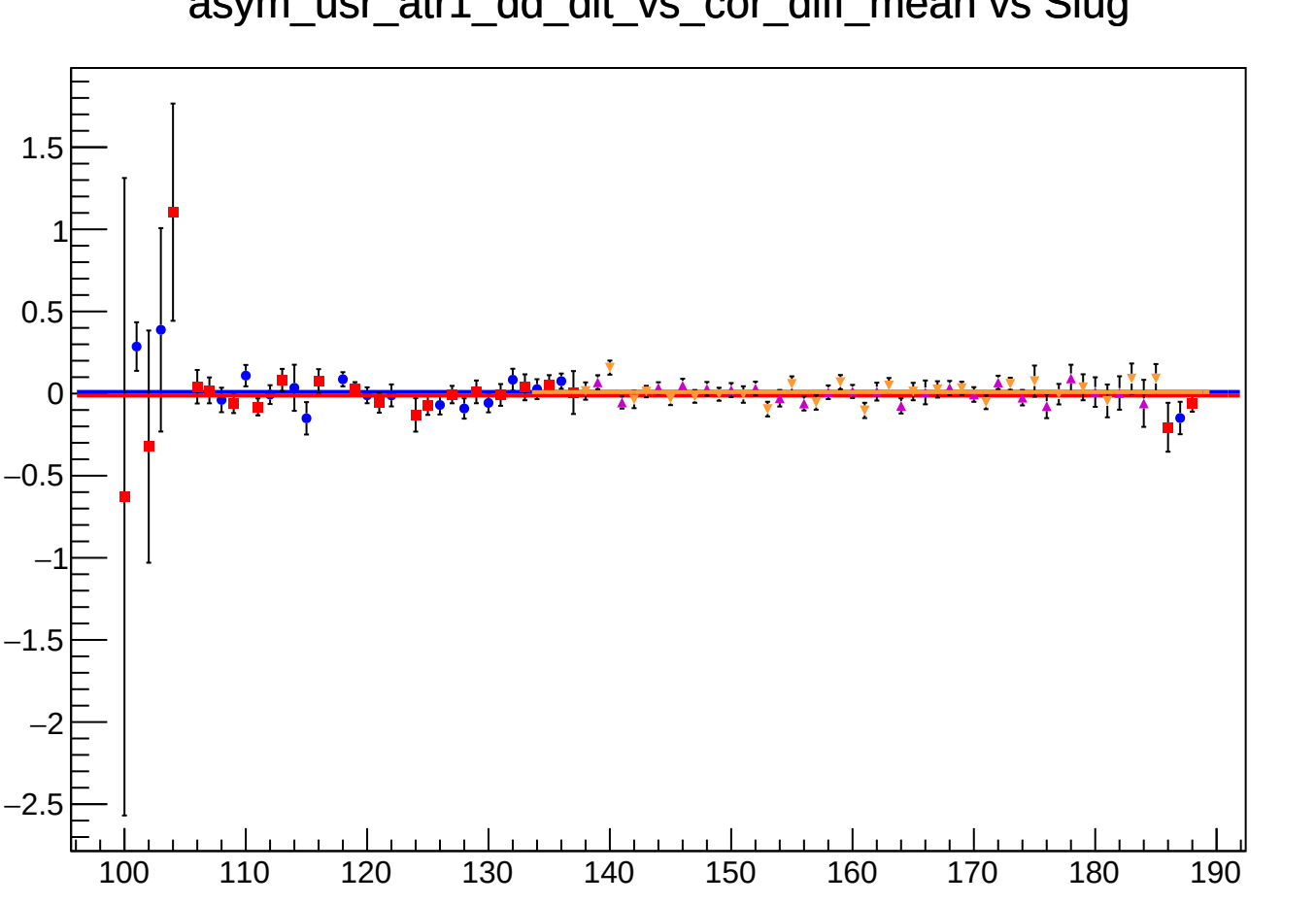
Right Out: 0.000+/-0.000 χ^2/NDF: 1954946.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4379642.2/41

All: 0.000+/-0.000 χ^2/NDF: 10179179.6/85

- sign 0.000+/-0.000 χ^2/NDF: 5782127.3/43



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.012+/-0.015 χ^2/NDF: 17.6/20

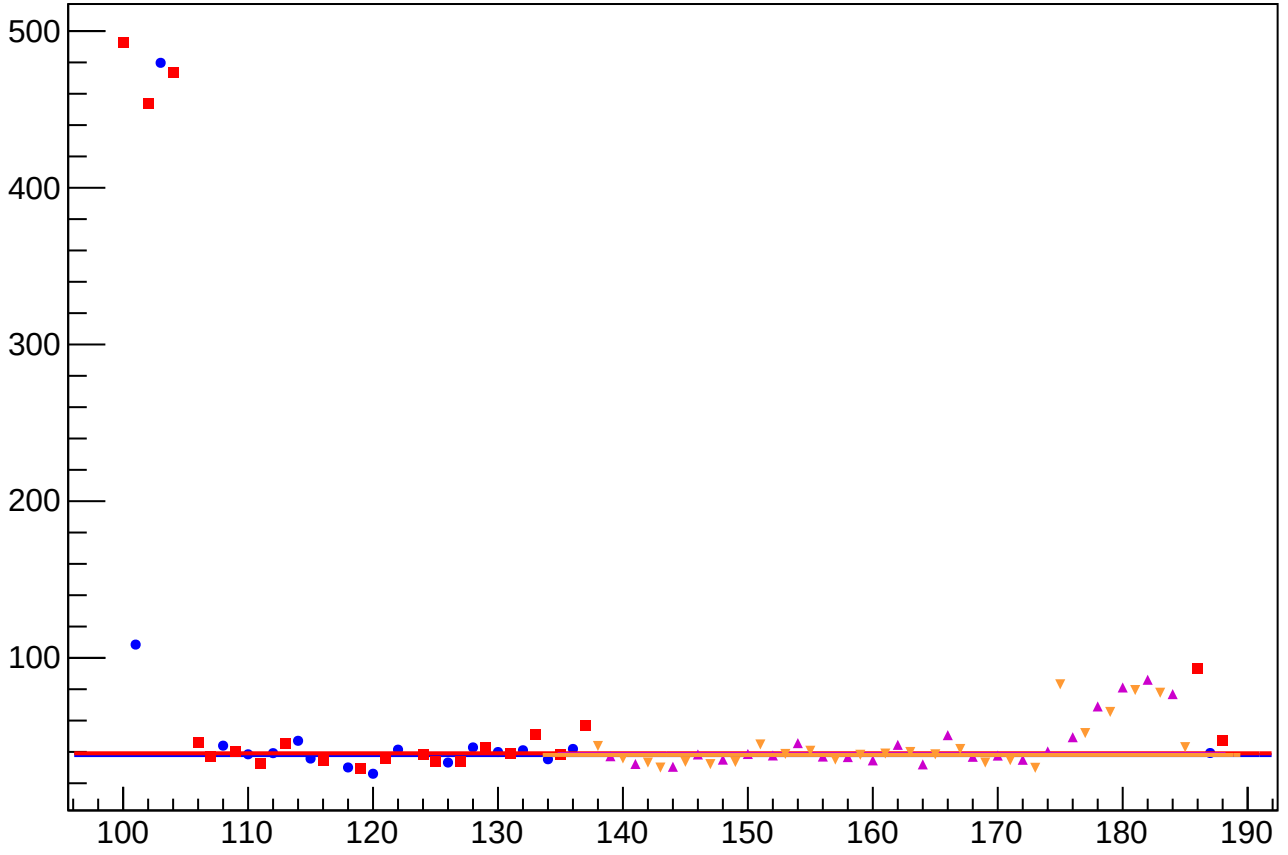
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.009+/-0.008 χ^2/NDF: 63.3/41

All: 0.006+/-0.006 χ^2/NDF: 101.4/85

- sign 0.002+/-0.008 χ^2/NDF: 37.7/43

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.977+/-0.011 χ^2/NDF: 1740039.9/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

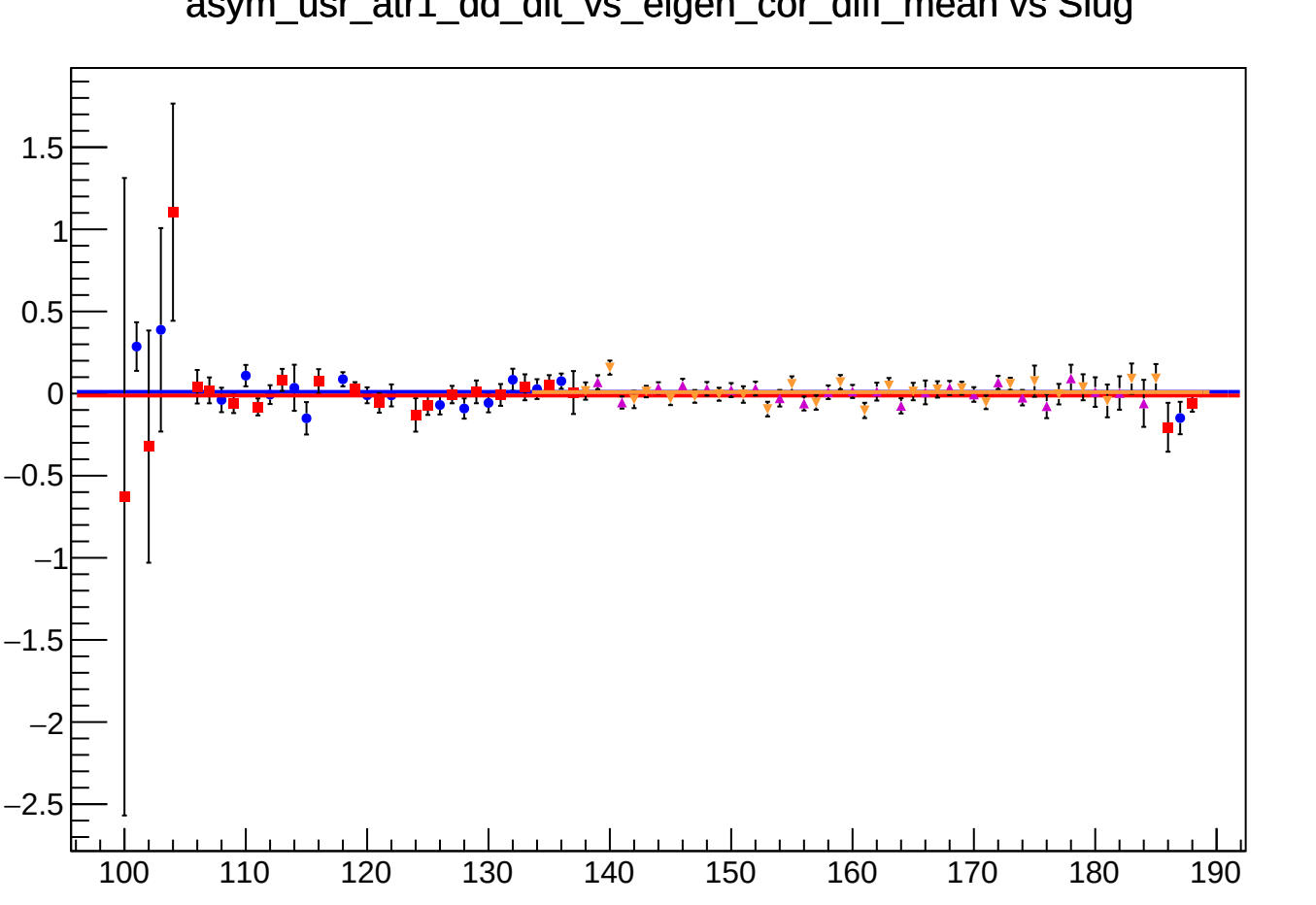
Right Out: 39.124+/-0.011 χ^2/NDF: 2276858.8/20

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.043+/-0.006 χ^2/NDF: 3707203.6/41

All: 38.404+/-0.004 χ^2/NDF: 7721134.8/85

\- sign 38.777+/-0.006 χ^2/NDF: 4006000.1/43



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

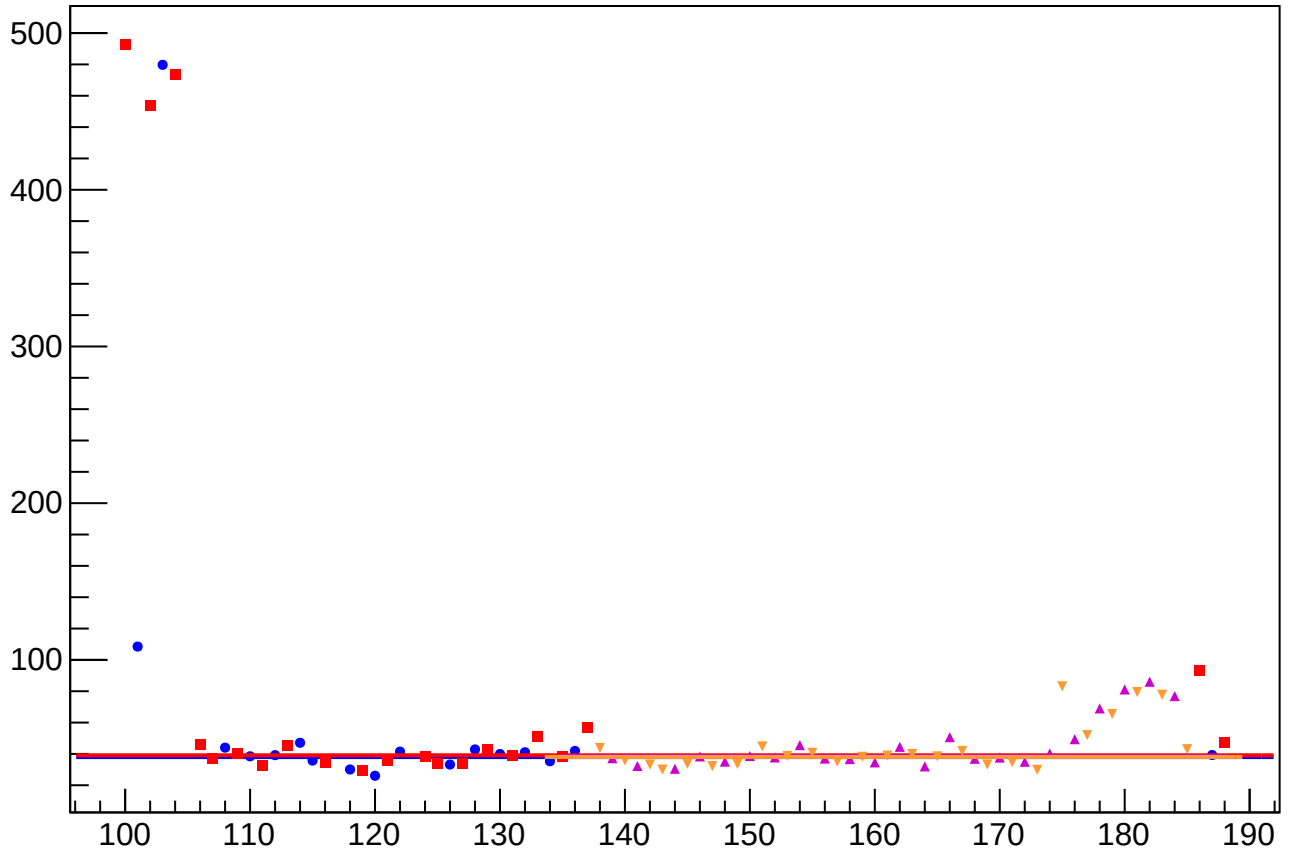
Right Out: -0.012+/-0.015 χ^2/NDF: 17.6/20

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.009+/-0.008 χ^2/NDF: 63.3/41

All: 0.006+/-0.006 χ^2/NDF: 101.4/85

- sign 0.002+/-0.008 χ^2/NDF: 37.7/43



Right In: 37.977+/-0.011 χ^2/NDF: 1740039.9/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

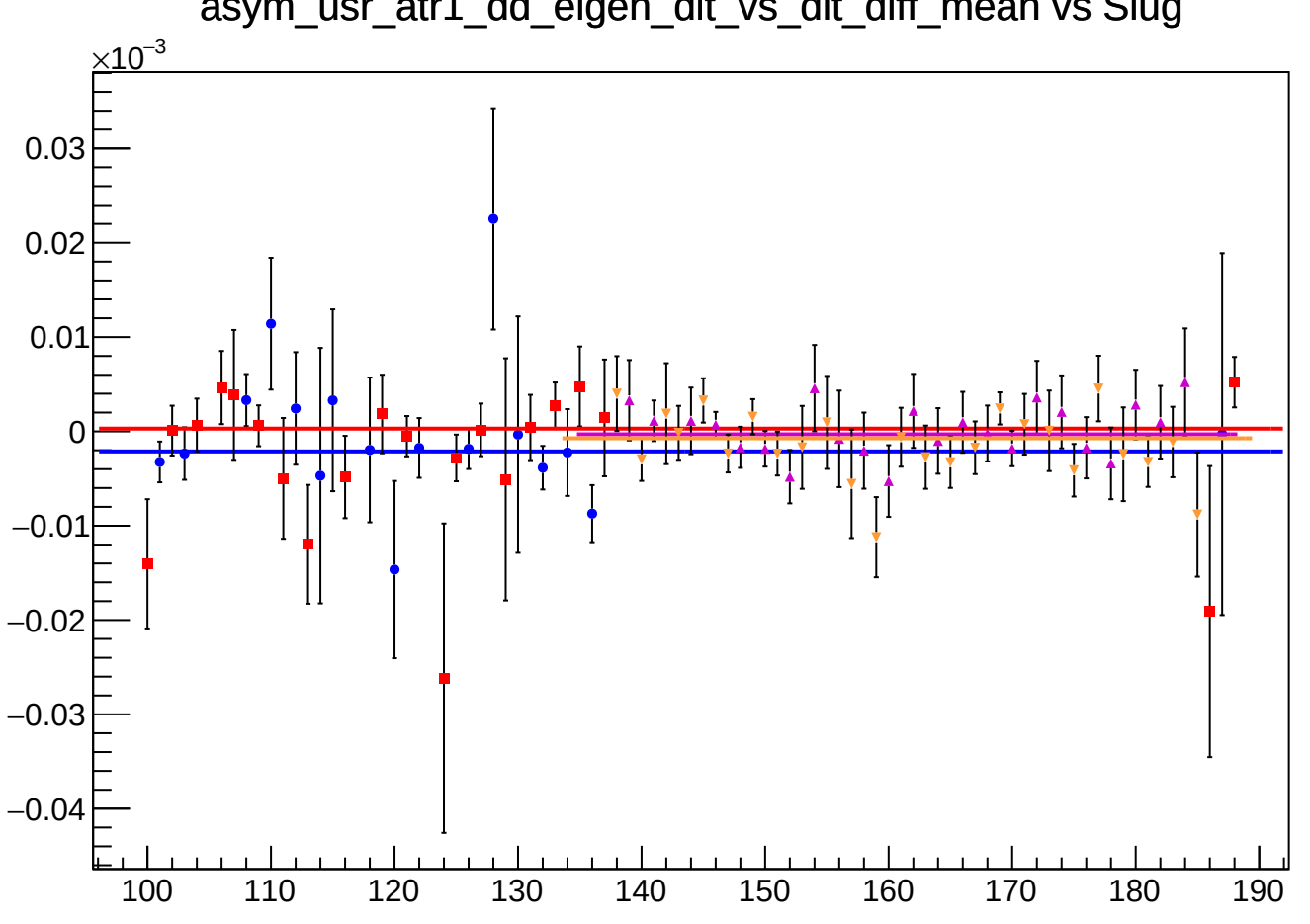
Right Out: 39.124+/-0.011 χ^2/NDF: 2276858.8/20

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 38.043+/-0.006 χ^2/NDF: 3707203.6/41

All: 38.404+/-0.004 χ^2/NDF: 7721134.8/85

- sign 38.777+/-0.006 χ^2/NDF: 4006000.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

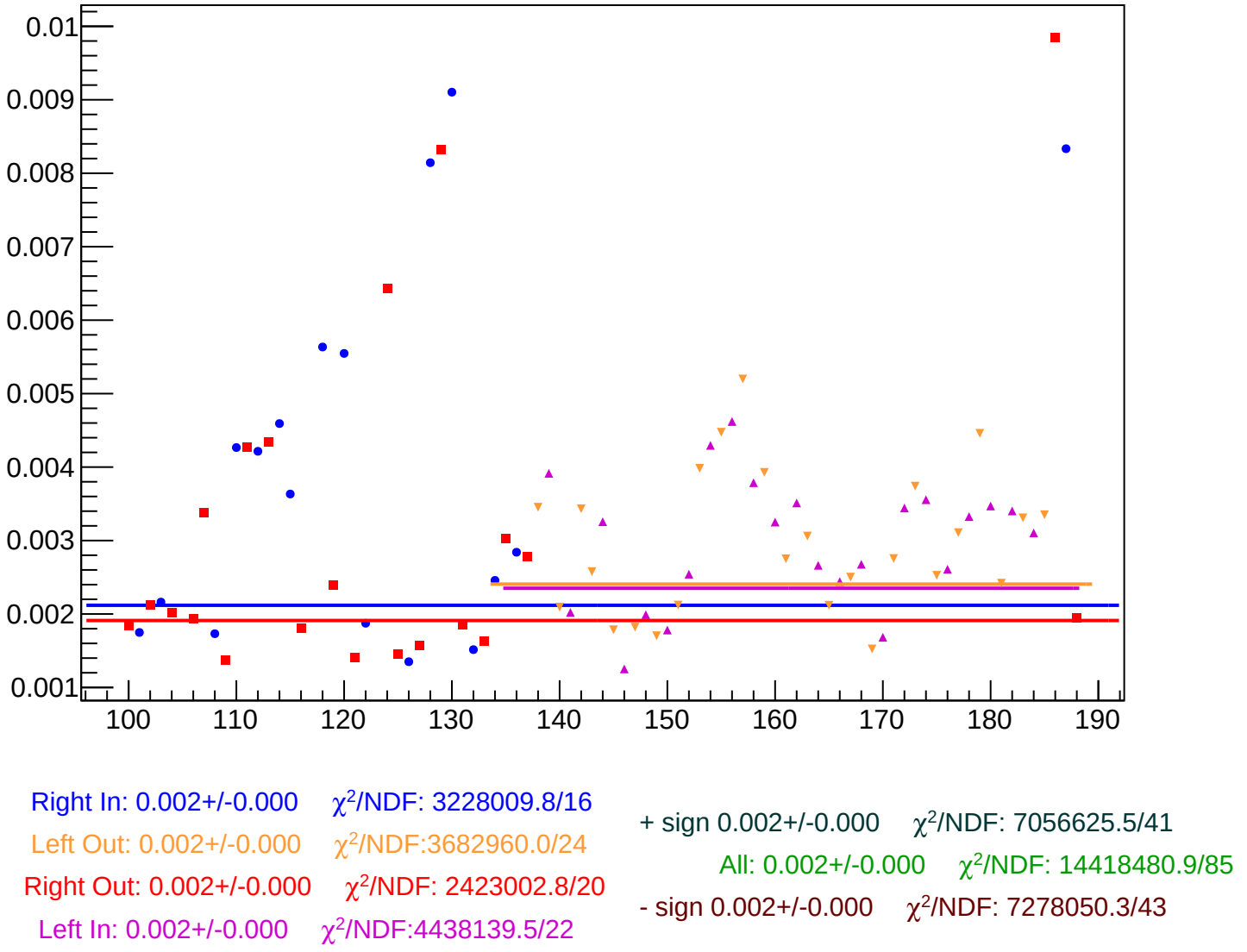
Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/20

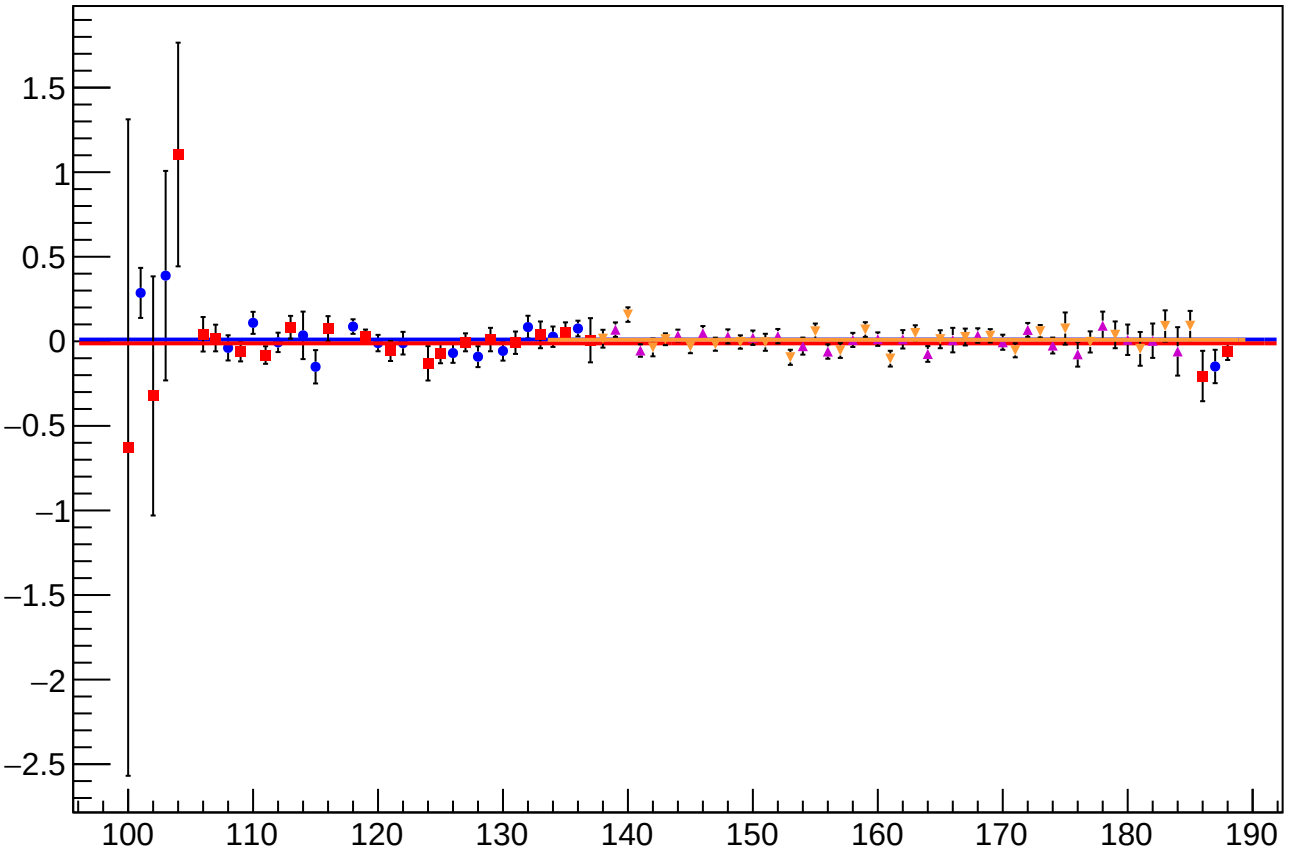
Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.7/41

All: -0.000+/-0.000 χ^2/NDF: 88.9/85

- sign -0.000+/-0.000 χ^2/NDF: 37.7/43


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 3228009.8/16
Left Out: 0.002+/-0.000 χ²/NDF:3682960.0/24
Right Out: 0.002+/-0.000 χ²/NDF: 2423002.8/20
Left In: 0.002+/-0.000 χ²/NDF:4438139.5/22
+ sign 0.002+/-0.000 χ²/NDF: 7056625.5/41
All: 0.002+/-0.000 χ²/NDF: 14418480.9/85
- sign 0.002+/-0.000 χ²/NDF: 7278050.3/43



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.012+/-0.015 χ^2/NDF: 17.6/20

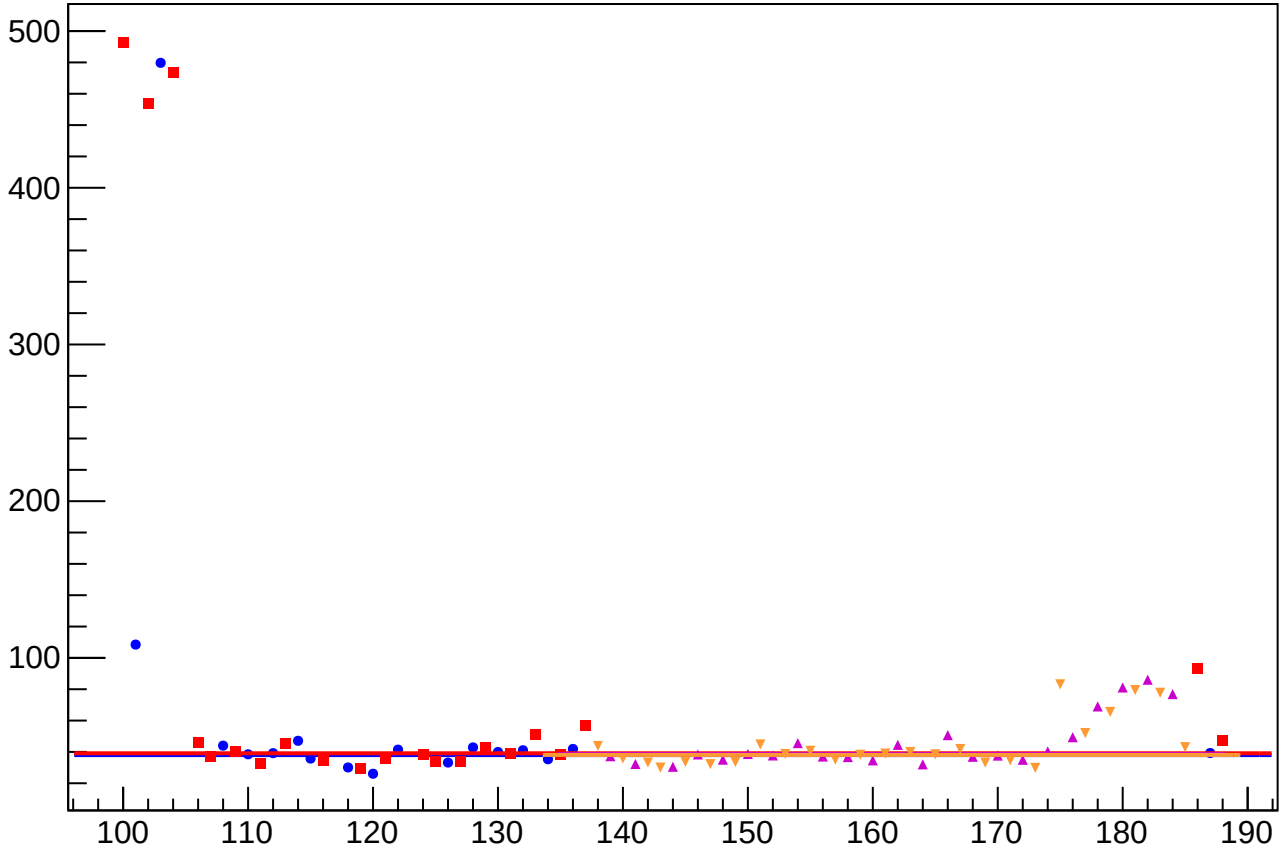
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.009+/-0.008 χ^2/NDF: 63.3/41

All: 0.006+/-0.006 χ^2/NDF: 101.4/85

- sign 0.002+/-0.008 χ^2/NDF: 37.7/43

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.976+/-0.011 χ^2/NDF: 1740050.0/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

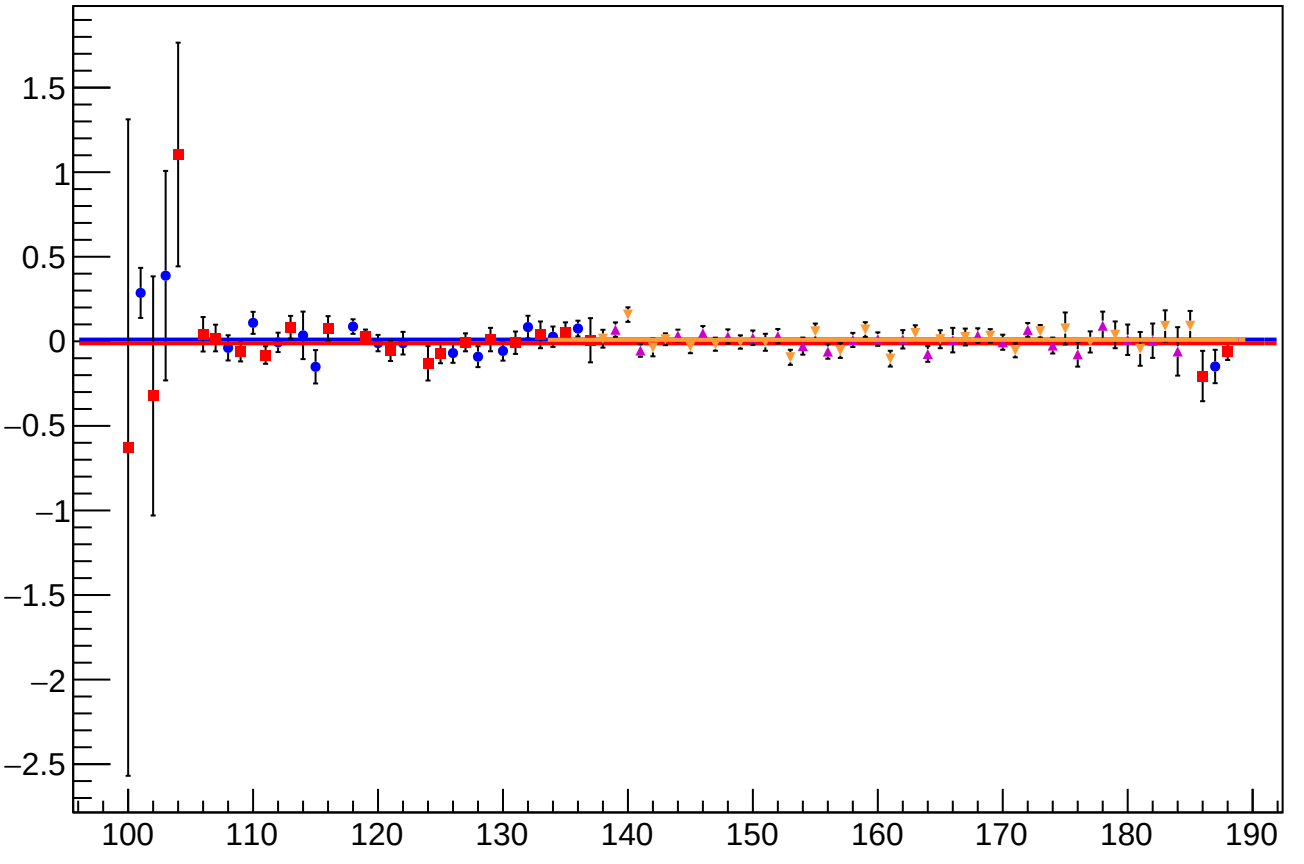
Right Out: 39.122+/-0.011 χ^2/NDF: 2276944.1/20

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 38.043+/-0.006 χ^2/NDF: 3707209.7/41

All: 38.403+/-0.004 χ^2/NDF: 7721247.6/85

\- sign 38.776+/-0.006 χ^2/NDF: 4006114.0/43



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

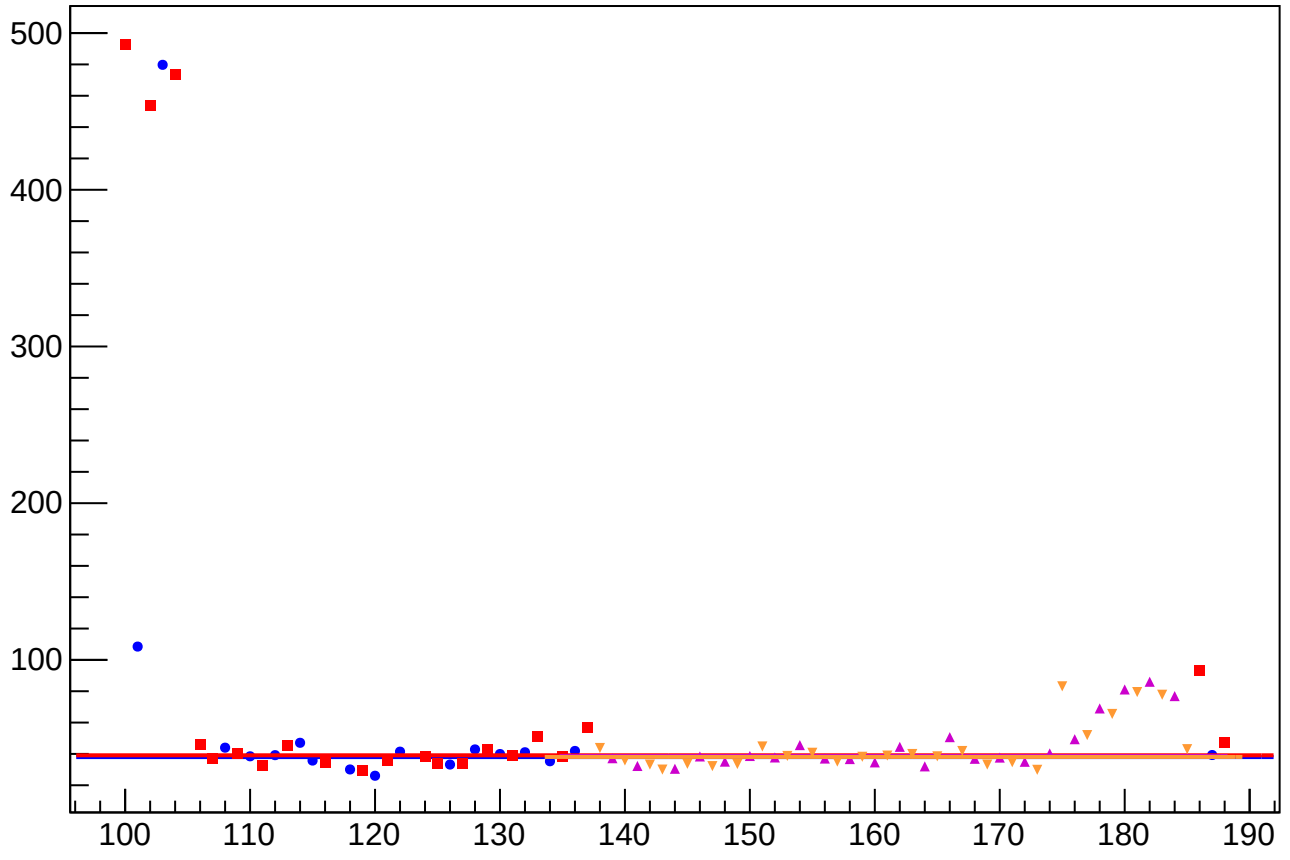
Right Out: -0.012+/-0.015 χ^2/NDF: 17.6/20

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.009+/-0.008 χ^2/NDF: 63.3/41

All: 0.006+/-0.006 χ^2/NDF: 101.4/85

- sign 0.002+/-0.008 χ^2/NDF: 37.7/43



Right In: 37.976+/-0.011 χ^2/NDF: 1740050.0/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

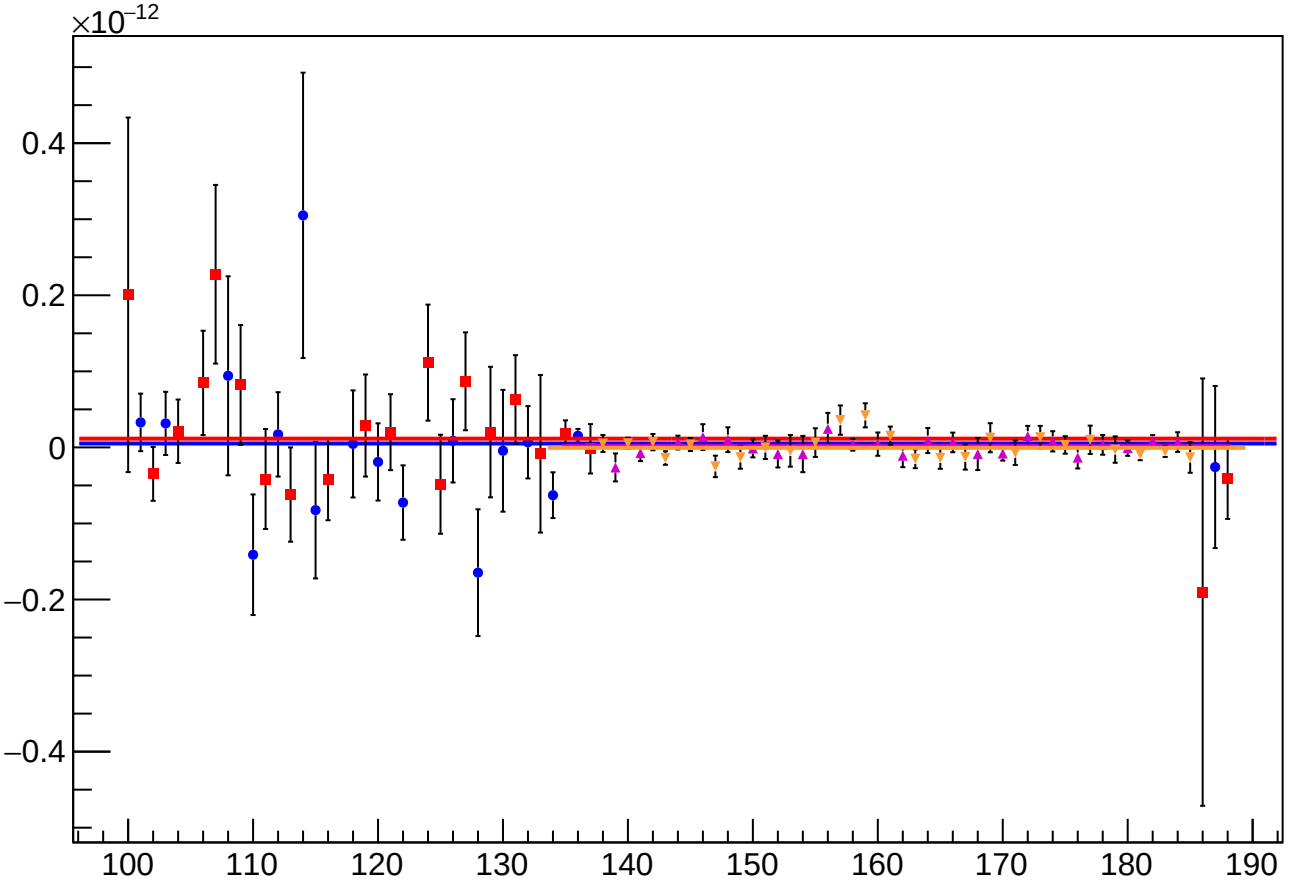
Right Out: 39.122+/-0.011 χ^2/NDF: 2276944.1/20

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.043+/-0.006 χ^2/NDF: 3707209.7/41

All: 38.403+/-0.004 χ^2/NDF: 7721247.6/85

- sign 38.776+/-0.006 χ^2/NDF: 4006114.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

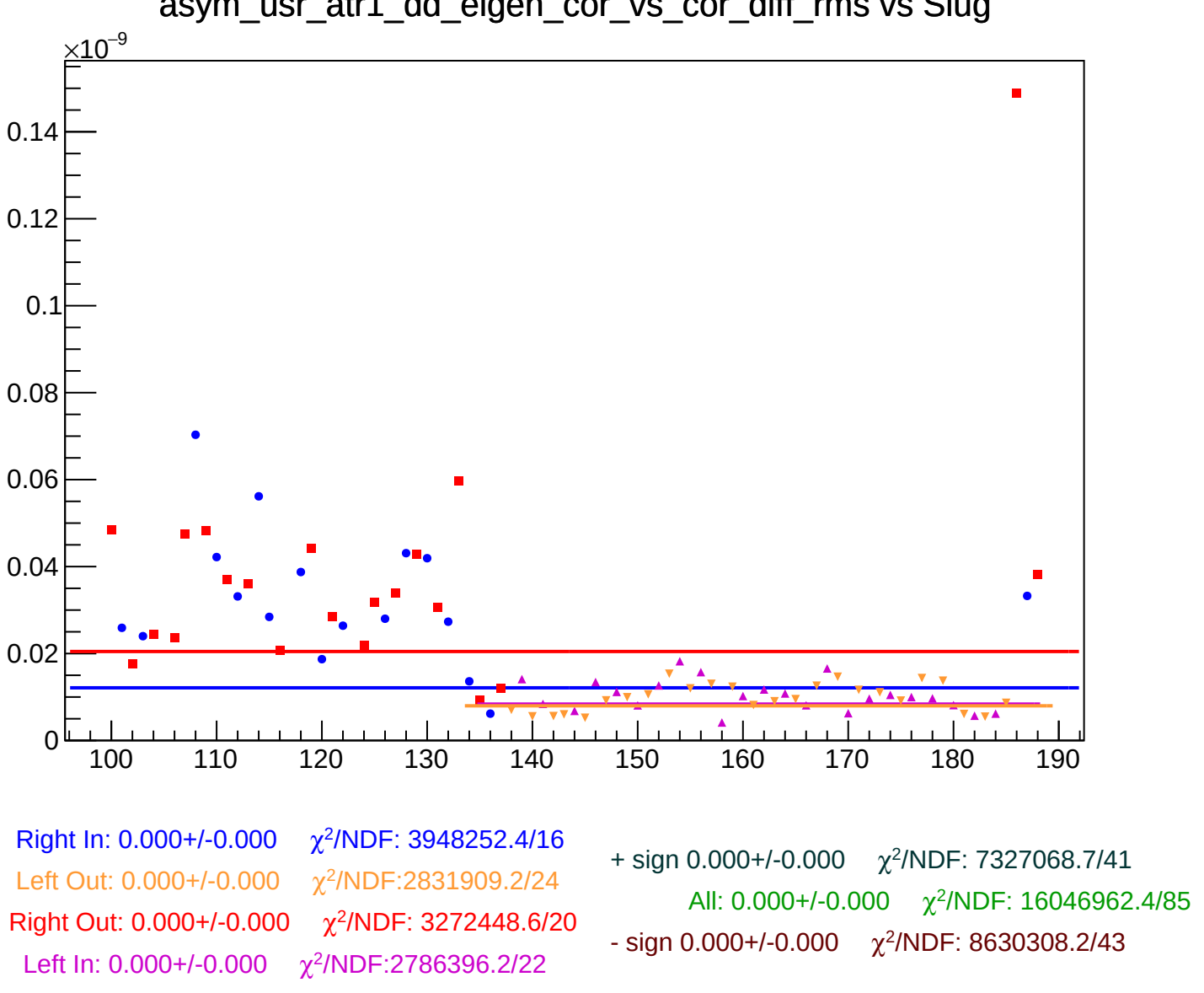
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/20

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

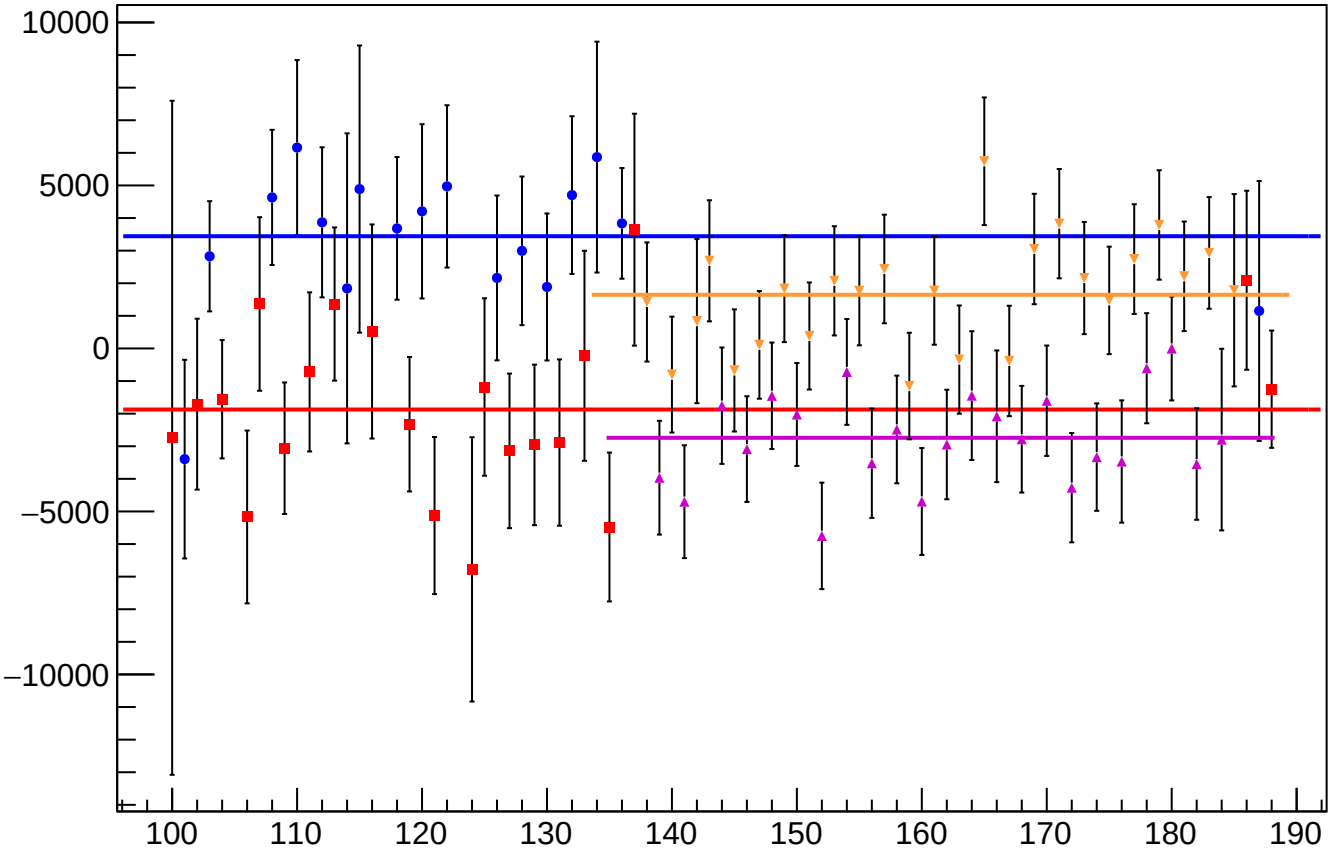
+ sign -0.000+/-0.000 χ^2/NDF: 49.2/41

All: 0.000+/-0.000 χ^2/NDF: 79.6/85

- sign 0.000+/-0.000 χ^2/NDF: 30.0/43


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3948252.4/16
Left Out: 0.000+/-0.000 χ²/NDF:2831909.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3272448.6/20
Left In: 0.000+/-0.000 χ²/NDF:2786396.2/22
+ sign 0.000+/-0.000 χ²/NDF: 7327068.7/41
All: 0.000+/-0.000 χ²/NDF: 16046962.4/85
- sign 0.000+/-0.000 χ²/NDF: 8630308.2/43

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3442.240+/-594.462 χ^2/NDF: 9.1/16

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1873.553+/-547.358 χ^2/NDF: 17.5/20

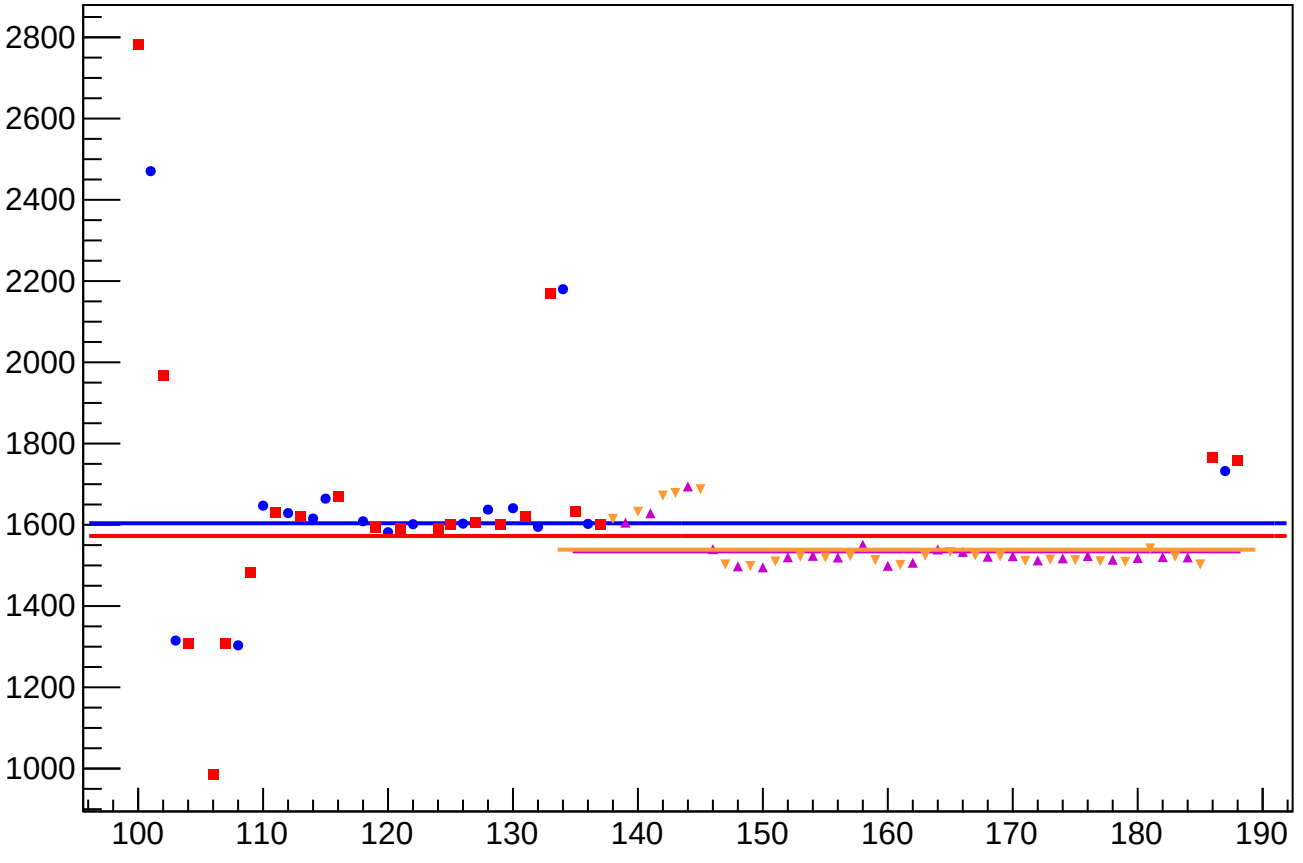
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2108.204+/-301.452 χ^2/NDF: 37.0/41

All: -198.222+/-212.599 χ^2/NDF: 189.1/85

- sign -2480.583+/-299.875 χ^2/NDF: 35.7/43

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1603.805+/-0.420 χ^2/NDF: 319543.0/16

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

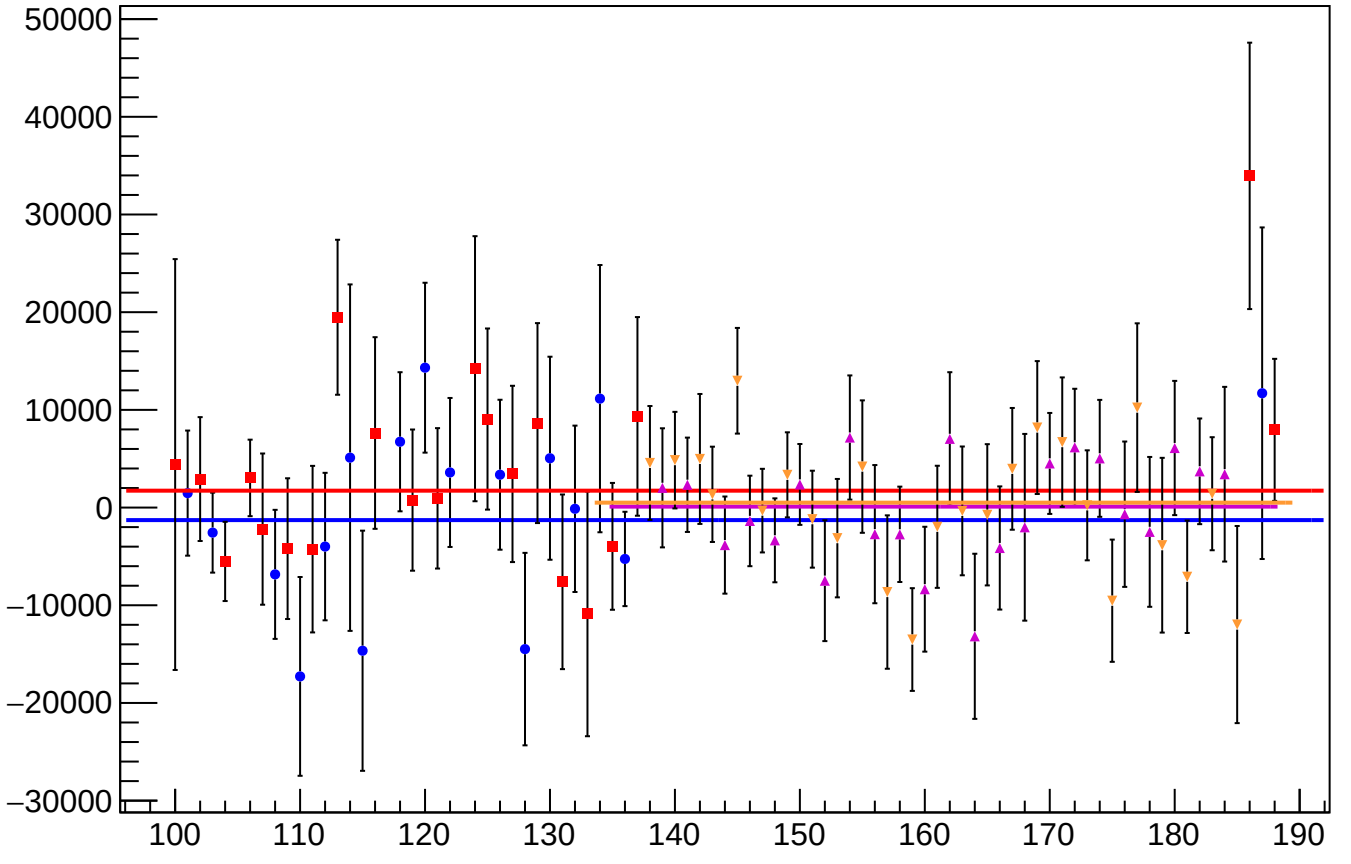
Right Out: 1572.535+/-0.381 χ^2/NDF: 411970.7/20

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1555.523+/-0.213 χ^2/NDF: 384359.1/41

All: 1550.832+/-0.150 χ^2/NDF: 835266.0/85

- sign 1546.230+/-0.211 χ^2/NDF: 449947.4/43



Right In: -1283.071+/-1837.423 χ^2/NDF: 14.4/16

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 1729.546+/-1615.483 χ^2/NDF: 21.9/20

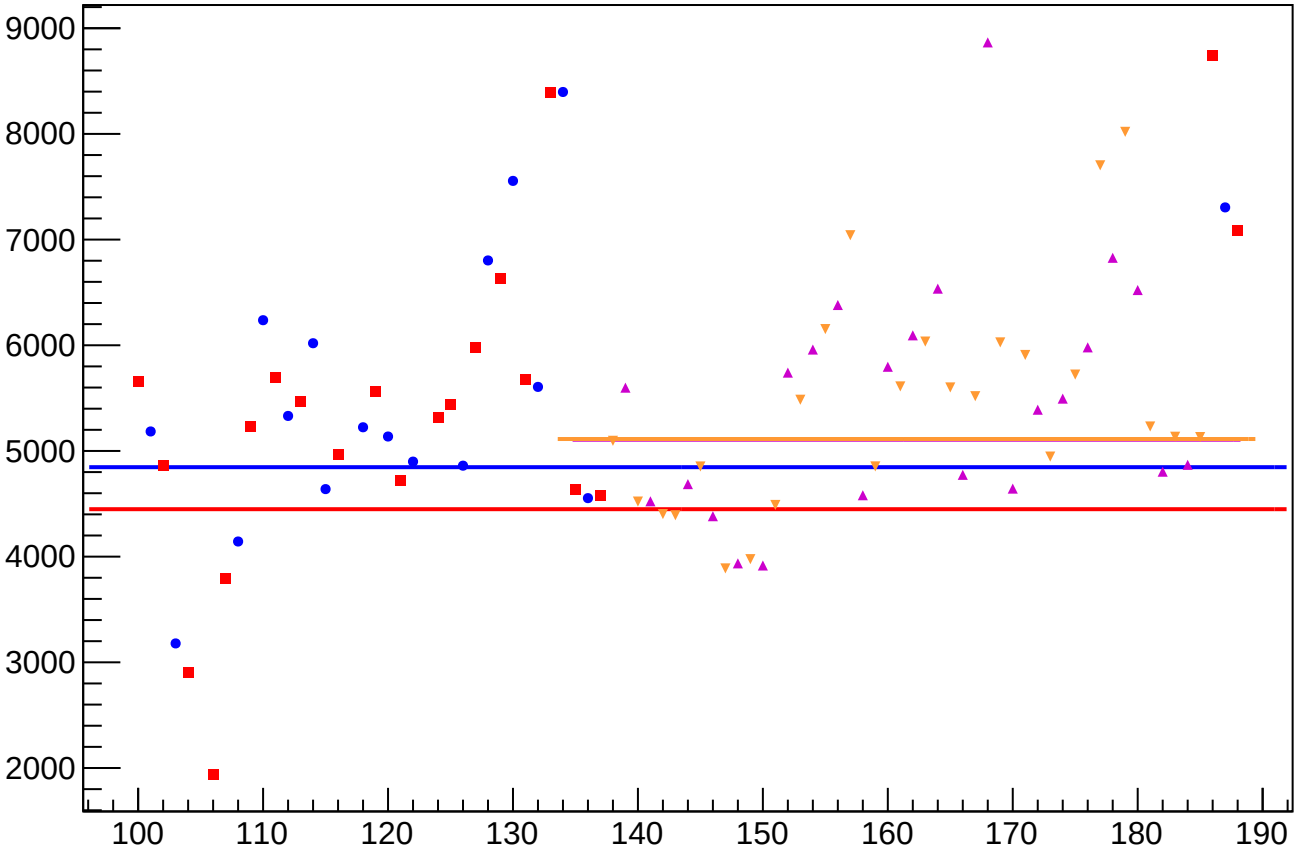
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

\+ sign -22.501+/-997.225 χ^2/NDF: 41.9/41

All: 342.238+/-696.180 χ^2/NDF: 79.6/85

\- sign 689.001+/-972.340 χ^2/NDF: 37.4/43

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4846.499+/-1.299 χ^2/NDF: 837886.7/16

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4448.946+/-1.142 χ^2/NDF: 2174453.7/20

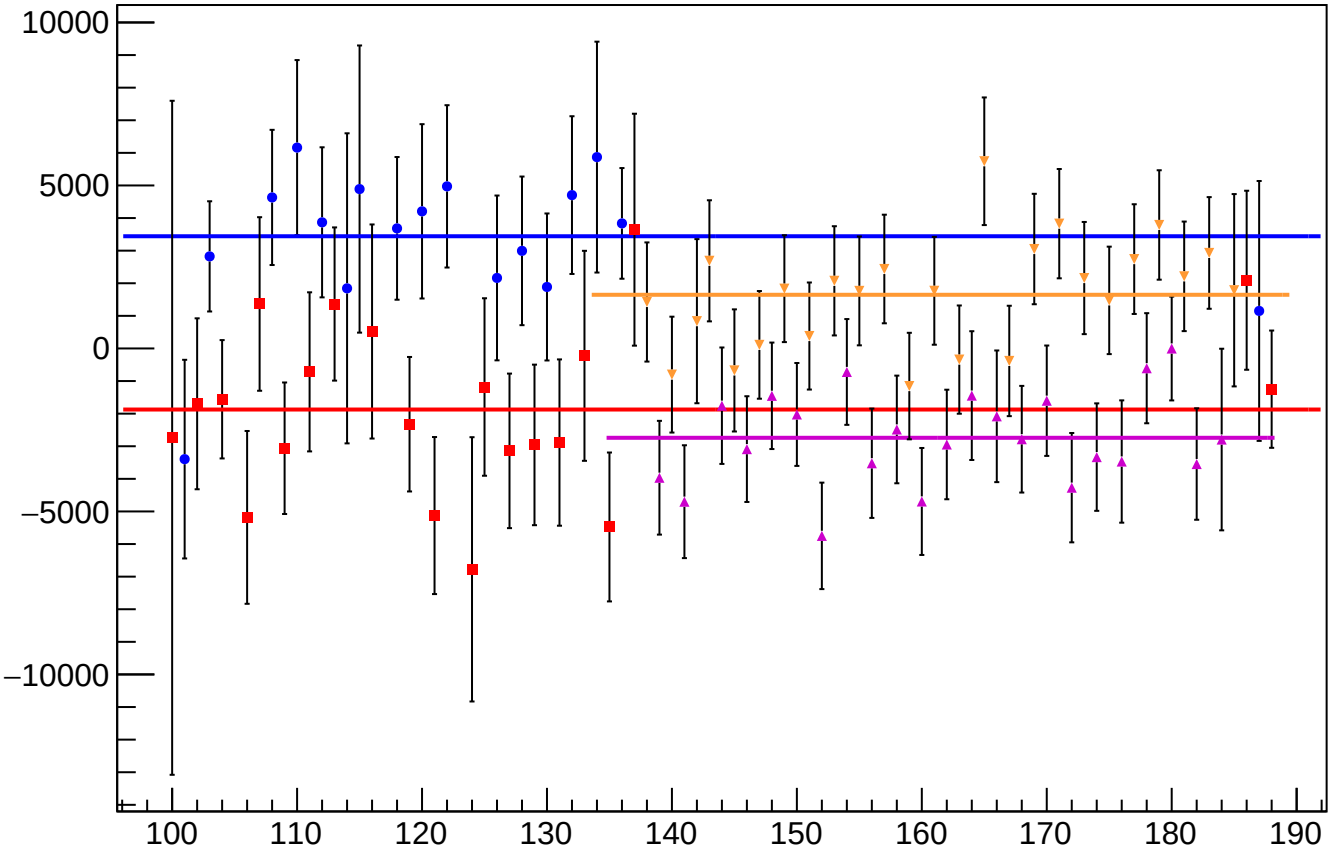
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5034.468+/-0.705 χ^2/NDF: 2026567.3/41

All: 4949.241+/-0.492 χ^2/NDF: 5692378.9/85

- sign 4868.216+/-0.688 χ^2/NDF: 3637315.5/43

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3441.930+/-594.462 χ^2/NDF: 9.2/16

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1873.506+/-547.361 χ^2/NDF: 17.5/20

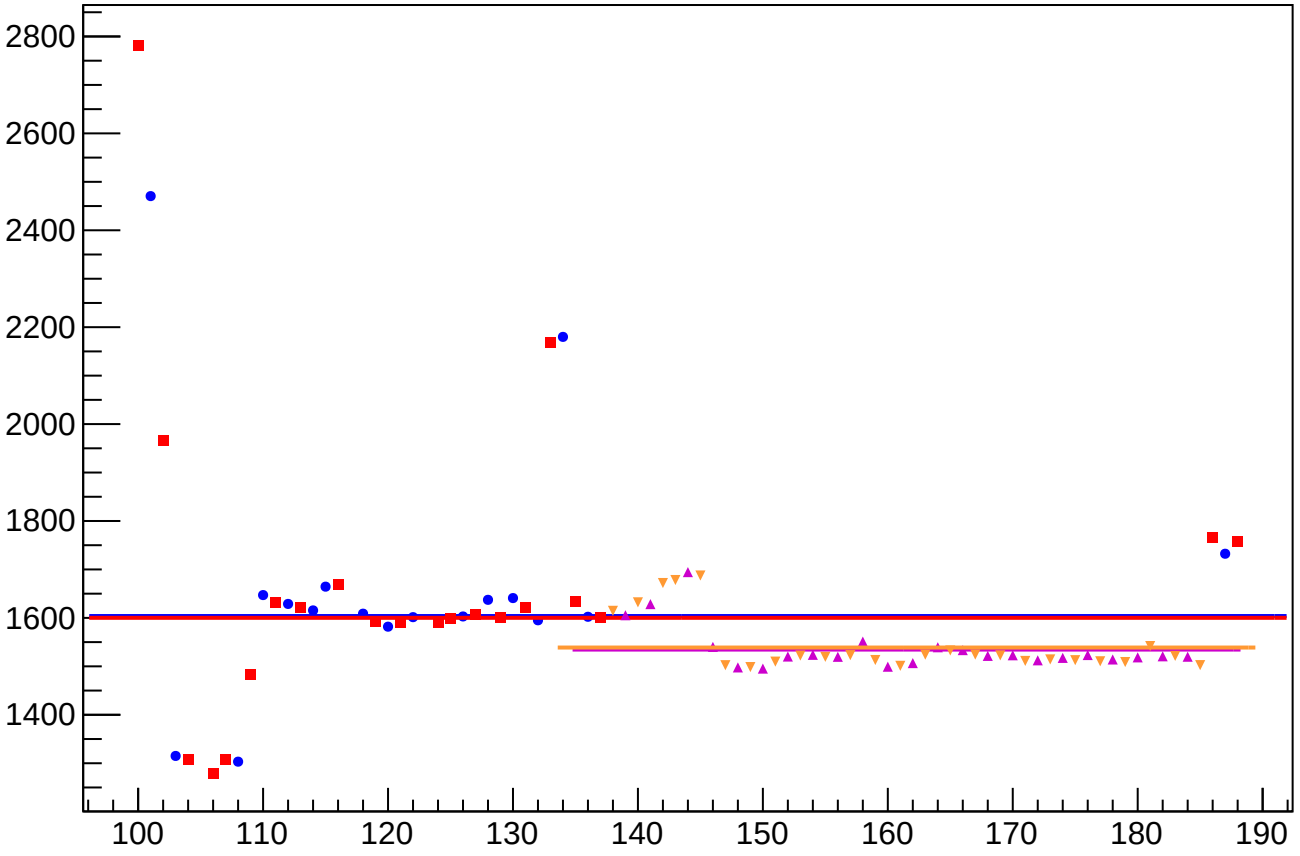
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2108.044+/-301.452 χ^2/NDF: 37.0/41

All: -198.257+/-212.599 χ^2/NDF: 189.1/85

- sign -2480.502+/-299.876 χ^2/NDF: 35.7/43

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1603.805+/-0.420 χ^2/NDF: 319542.1/16

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1600.168+/-0.386 χ^2/NDF: 269504.2/20

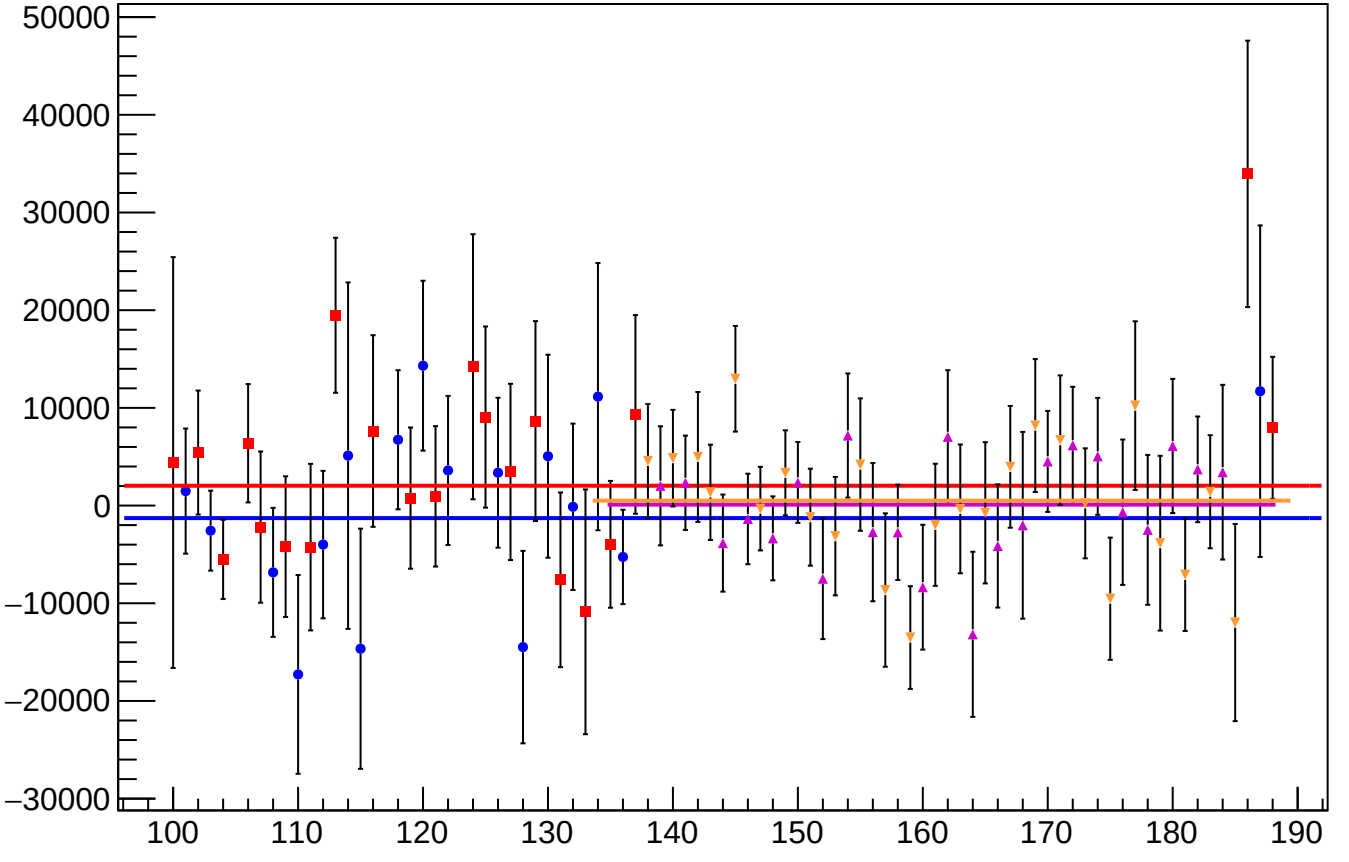
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1555.523+/-0.213 χ^2/NDF: 384358.4/41

All: 1554.950+/-0.150 χ^2/NDF: 705169.9/85

- sign 1554.385+/-0.212 χ^2/NDF: 320797.2/43

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1283.302+/-1837.460 χ^2/NDF: 14.4/16

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2030.543+/-1702.111 χ^2/NDF: 22.6/20

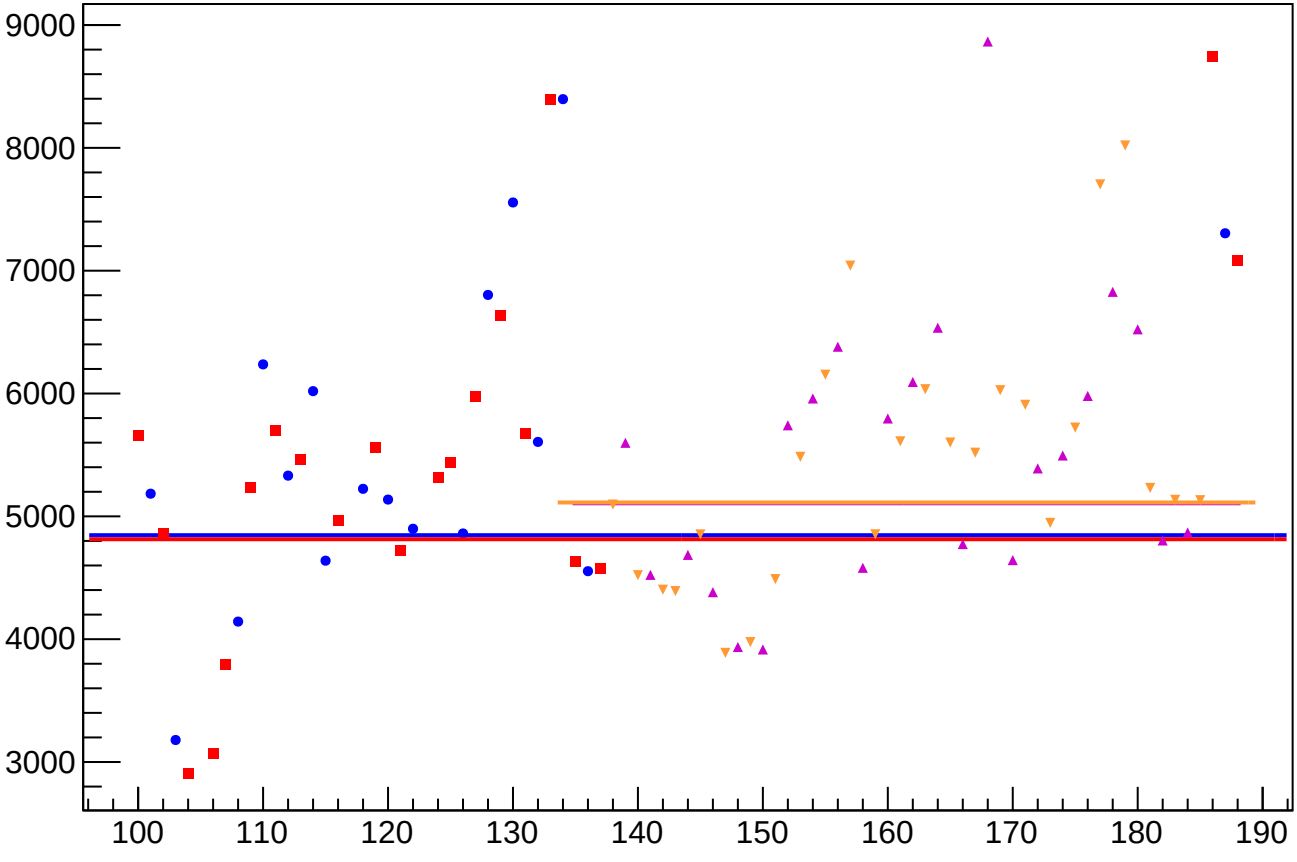
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign -22.552+/-997.230 χ^2/NDF: 41.9/41

All: 367.483+/-702.684 χ^2/NDF: 80.6/85

- sign 752.113+/-990.296 χ^2/NDF: 38.4/43

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4846.635+/-1.299 χ^2/NDF: 837685.7/16

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4813.735+/-1.204 χ^2/NDF: 1365144.3/20

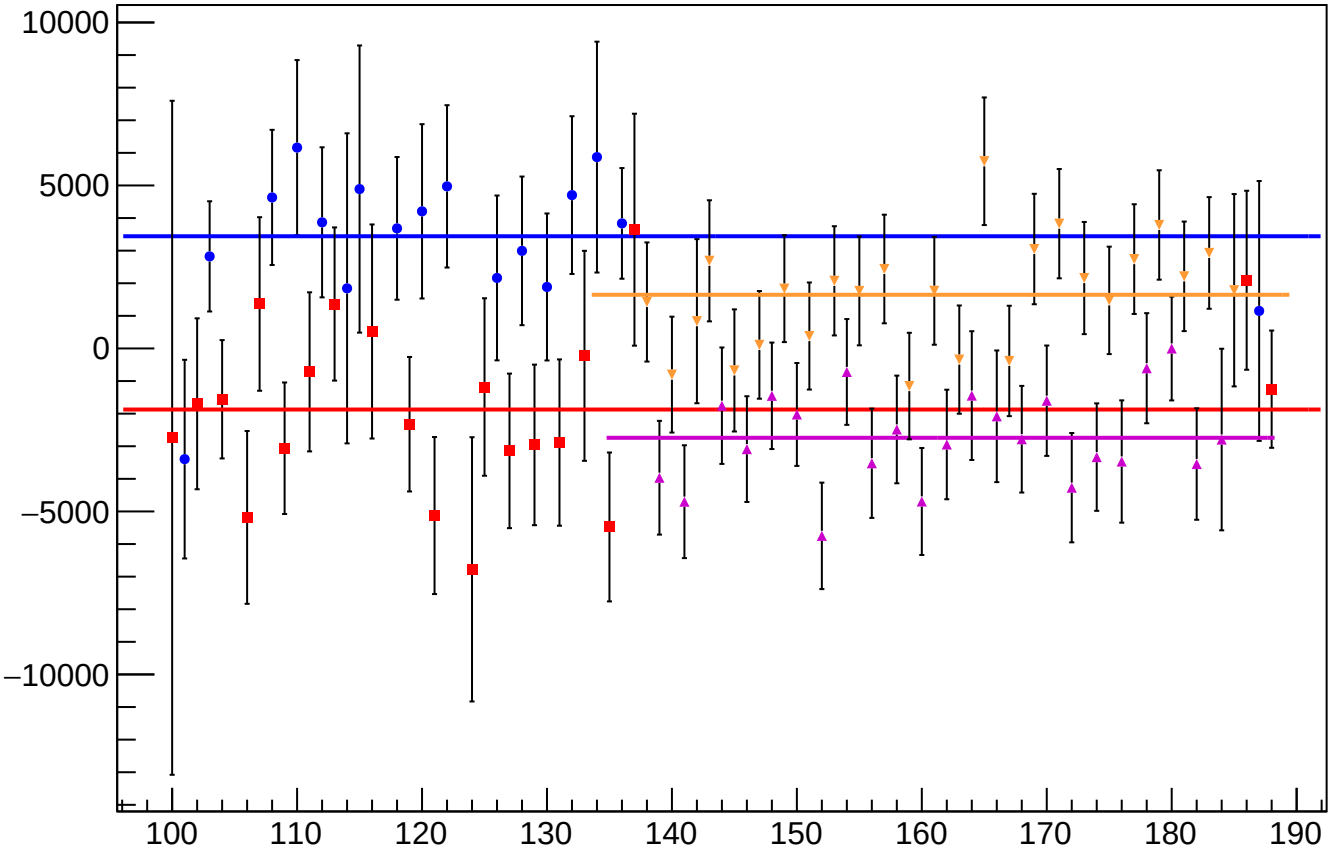
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5034.505+/-0.705 χ^2/NDF: 2026346.5/41

All: 5020.819+/-0.497 χ^2/NDF: 4682971.2/85

- sign 5007.323+/-0.700 χ^2/NDF: 2655876.5/43

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3441.930+/-594.462 χ^2/NDF: 9.2/16

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1873.506+/-547.361 χ^2/NDF: 17.5/20

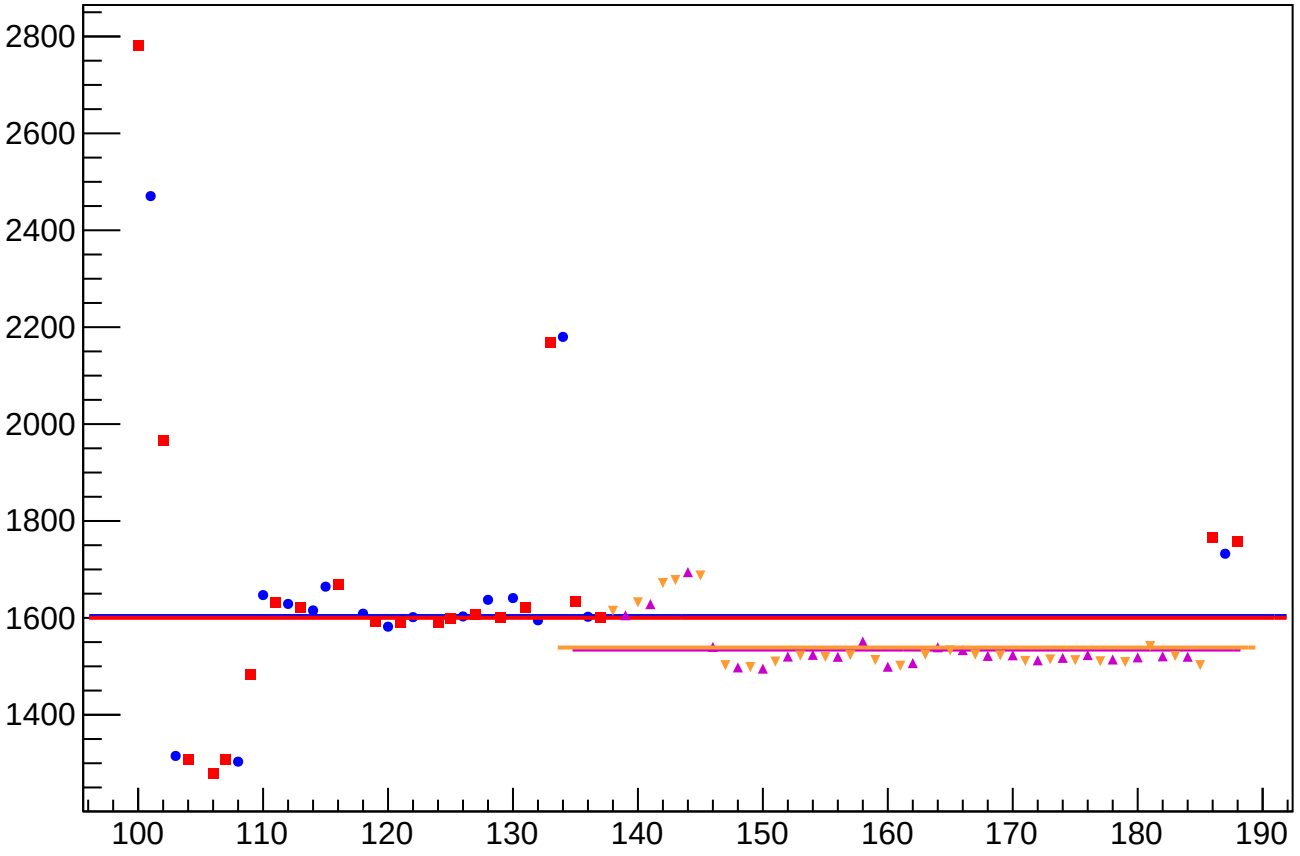
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2108.044+/-301.452 χ^2/NDF: 37.0/41

All: -198.257+/-212.599 χ^2/NDF: 189.1/85

- sign -2480.502+/-299.876 χ^2/NDF: 35.7/43

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1603.805+/-0.420 χ^2/NDF: 319542.1/16

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

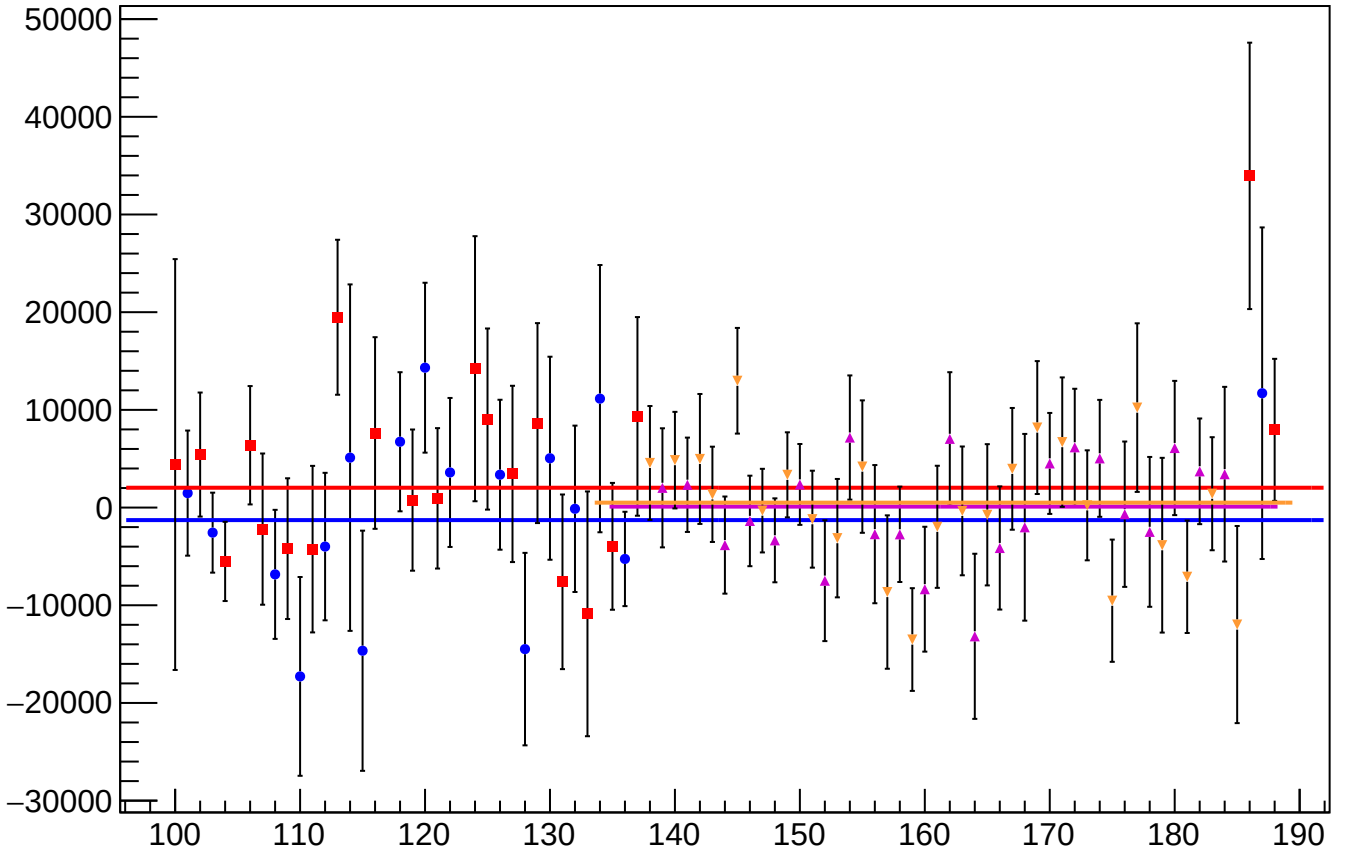
Right Out: 1600.168+/-0.386 χ^2/NDF: 269504.2/20

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1555.523+/-0.213 χ^2/NDF: 384358.4/41

All: 1554.950+/-0.150 χ^2/NDF: 705169.9/85

- sign 1554.385+/-0.212 χ^2/NDF: 320797.2/43



Right In: -1283.302+/-1837.460 χ^2/NDF: 14.4/16

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2030.543+/-1702.111 χ^2/NDF: 22.6/20

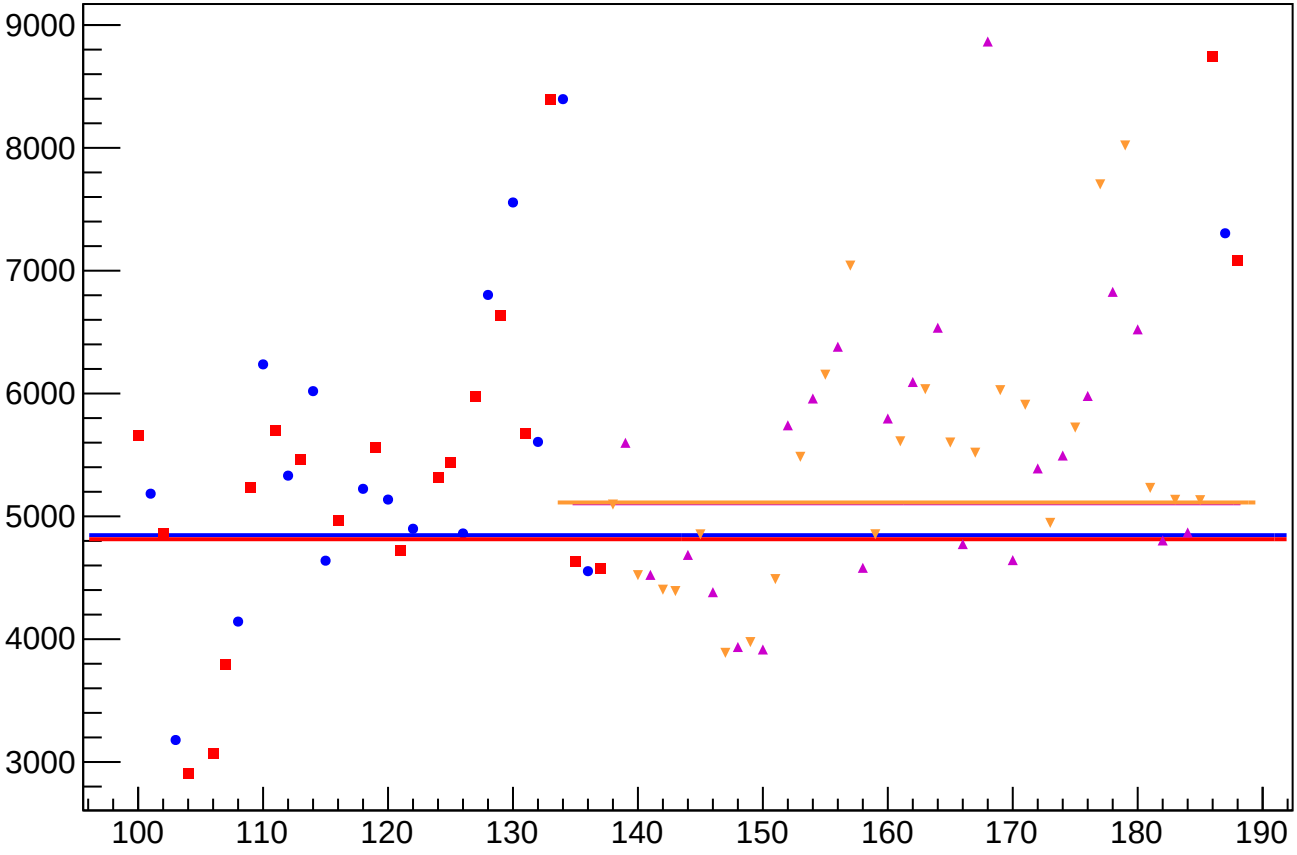
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign -22.552+/-997.230 χ^2/NDF: 41.9/41

All: 367.483+/-702.684 χ^2/NDF: 80.6/85

\- sign 752.113+/-990.296 χ^2/NDF: 38.4/43

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 4846.635+/-1.299 χ^2/NDF: 837685.7/16

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4813.735+/-1.204 χ^2/NDF: 1365144.3/20

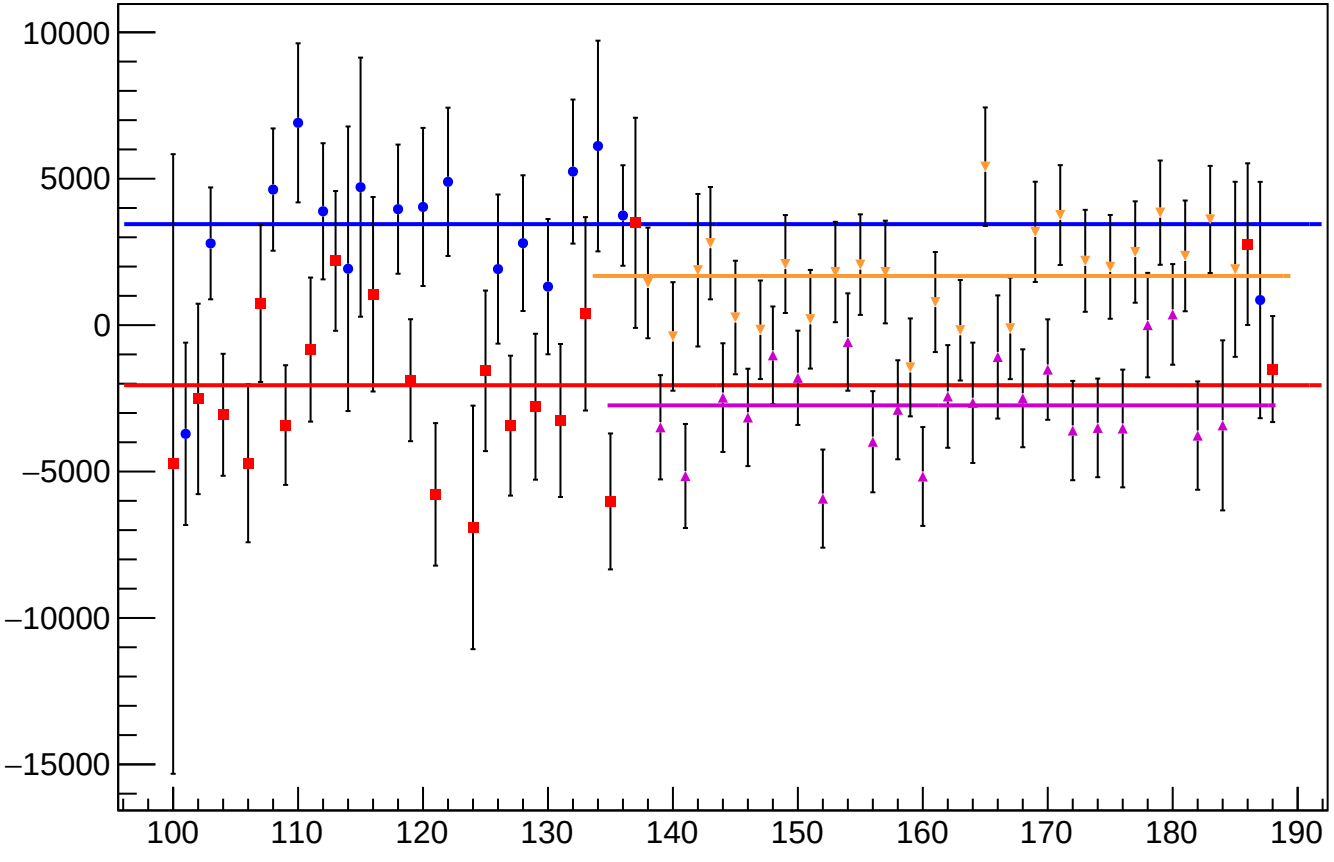
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5034.505+/-0.705 χ^2/NDF: 2026346.5/41

All: 5020.819+/-0.497 χ^2/NDF: 4682971.2/85

- sign 5007.323+/-0.700 χ^2/NDF: 2655876.5/43

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3448.975+/-609.645 χ^2/NDF: 10.8/16

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -2051.494+/-563.798 χ^2/NDF: 20.5/20

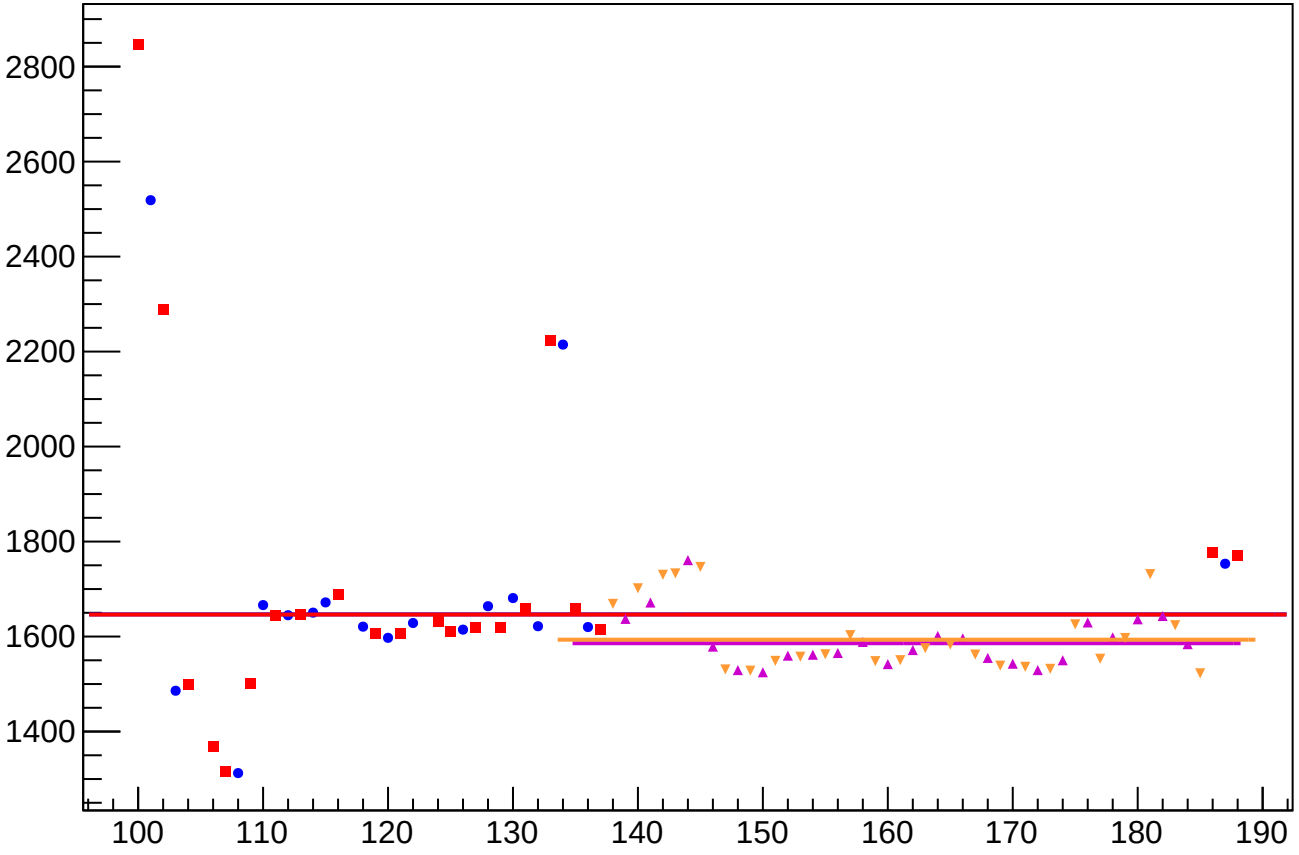
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2141.246+/-311.511 χ^2/NDF: 36.0/41

All: -209.451+/-219.624 χ^2/NDF: 189.9/85

- sign -2532.730+/-309.689 χ^2/NDF: 40.7/43

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1646.689+/-0.431 χ^2/NDF: 276246.9/16

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

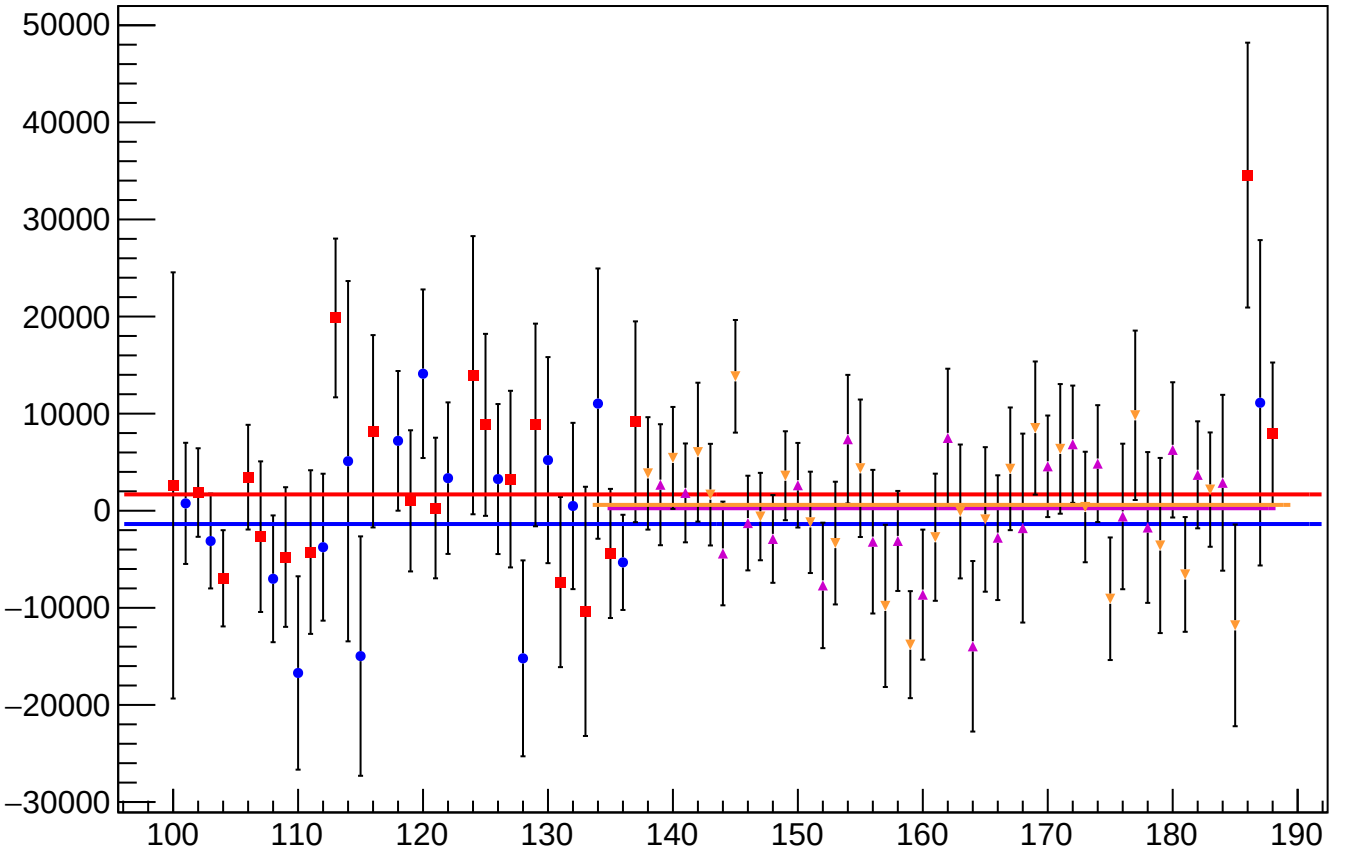
Right Out: 1646.323+/-0.398 χ^2/NDF: 253559.2/20

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1607.304+/-0.220 χ^2/NDF: 359419.8/41

All: 1605.724+/-0.155 χ^2/NDF: 671044.5/85

- sign 1604.163+/-0.219 χ^2/NDF: 311522.4/43



Right In: -1369.232+/-1901.438 χ^2/NDF: 14.4/16

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 1681.873+/-1687.664 χ^2/NDF: 21.9/20

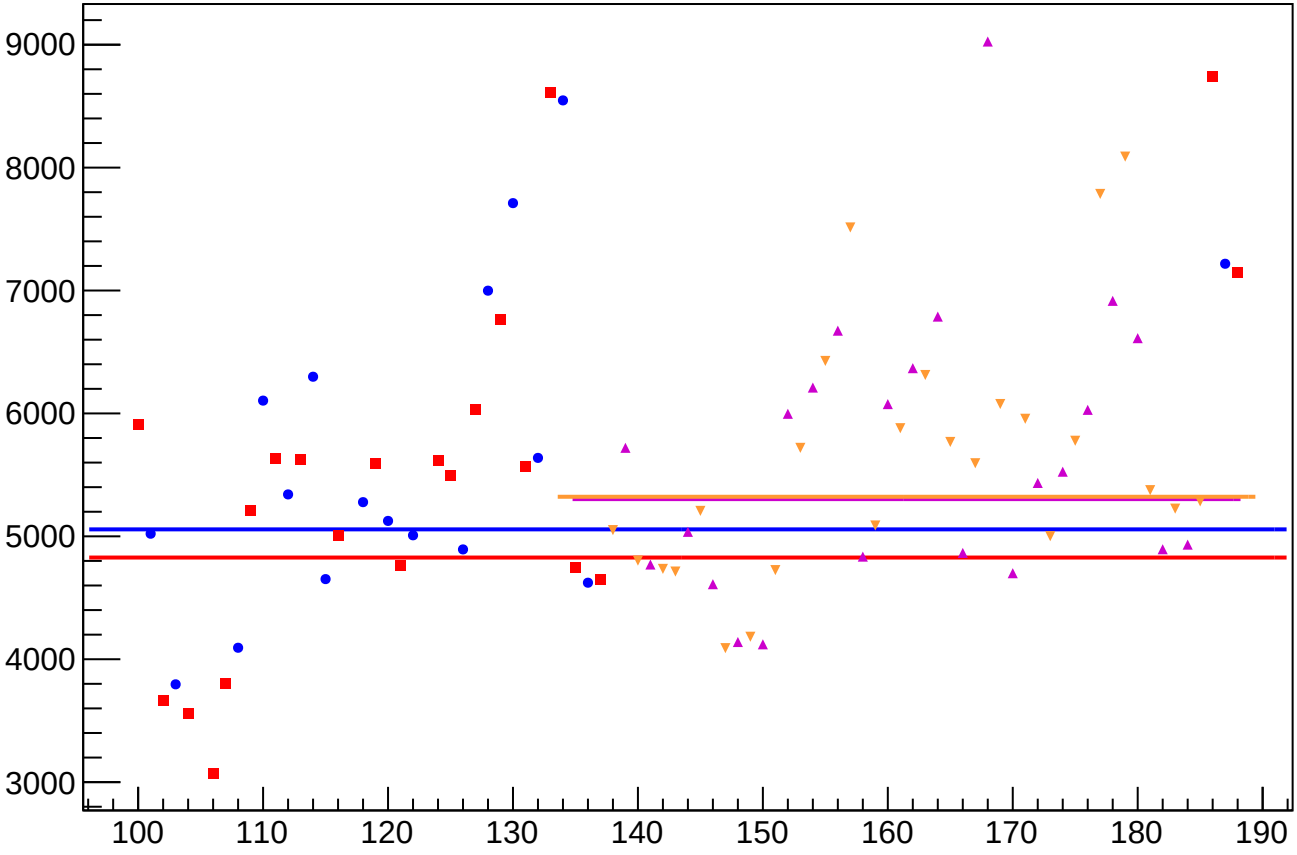
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 17.976+/-1034.860 χ^2/NDF: 41.2/41

All: 401.545+/-723.169 χ^2/NDF: 78.5/85

\- sign 767.622+/-1010.988 χ^2/NDF: 37.0/43

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5056.640+/-1.345 χ^2/NDF: 599170.8/16

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 4827.455+/-1.193 χ^2/NDF: 1253975.7/20

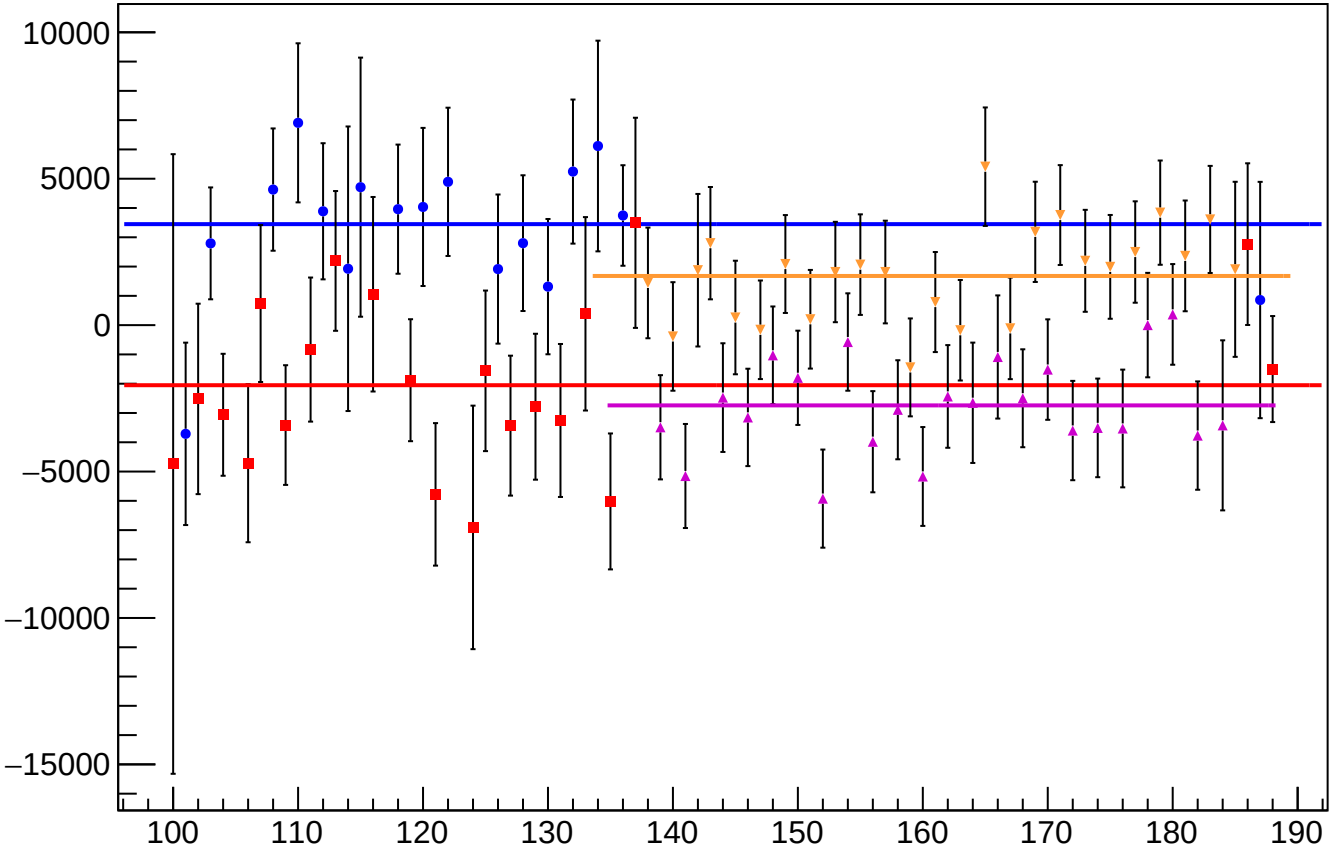
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5243.367+/-0.732 χ^2/NDF: 1663585.4/41

All: 5186.513+/-0.511 χ^2/NDF: 4183482.1/85

- sign 5132.251+/-0.715 χ^2/NDF: 2508098.9/43

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3448.979+/-609.645 χ^2/NDF: 10.8/16

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -2051.499+/-563.798 χ^2/NDF: 20.5/20

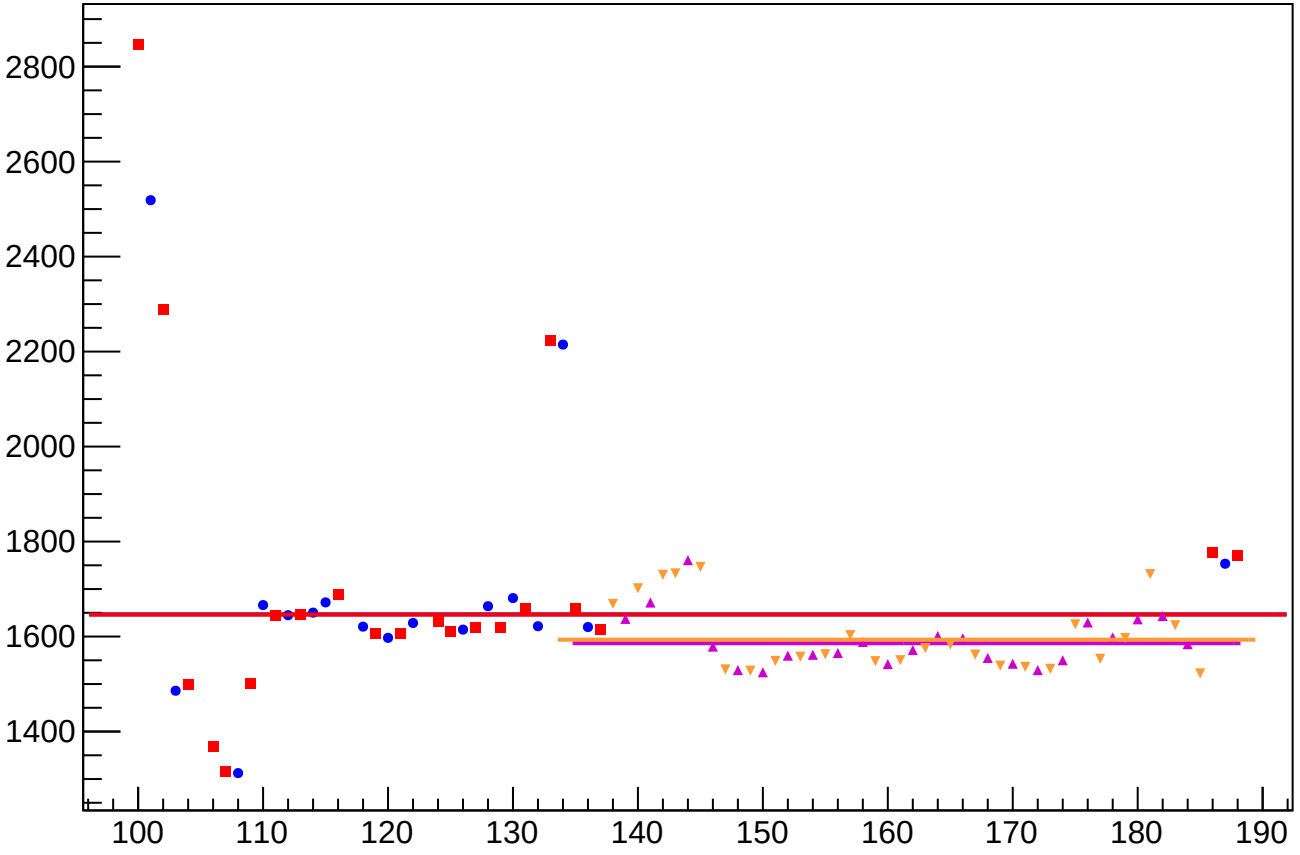
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2141.242+/-311.511 χ^2/NDF: 36.0/41

All: -209.453+/-219.624 χ^2/NDF: 189.9/85

- sign -2532.731+/-309.689 χ^2/NDF: 40.7/43

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1646.688+/-0.431 χ^2/NDF: 276247.1/16

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

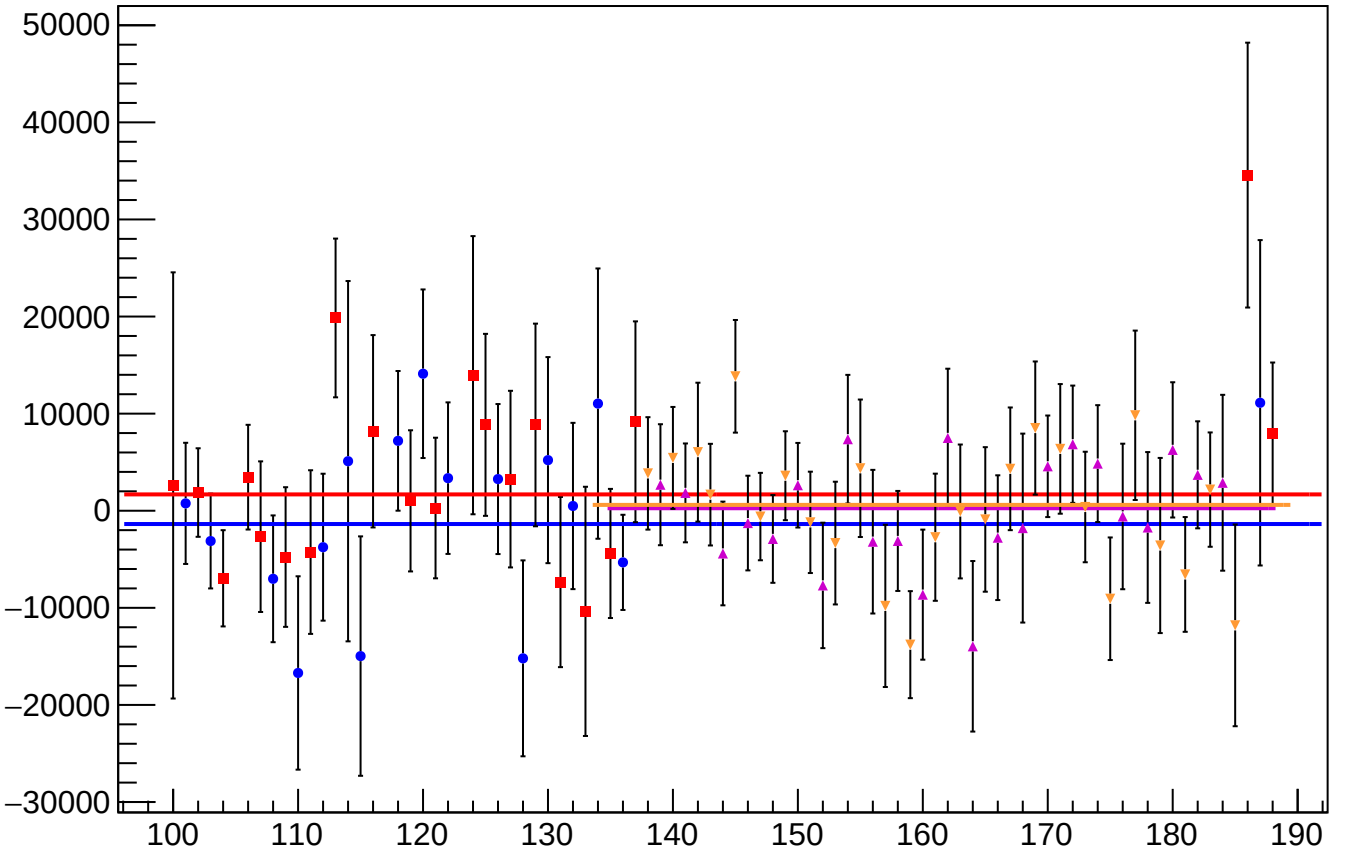
Right Out: 1646.323+/-0.398 χ^2/NDF: 253558.9/20

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1607.305+/-0.220 χ^2/NDF: 359419.2/41

All: 1605.724+/-0.155 χ^2/NDF: 671042.7/85

- sign 1604.163+/-0.219 χ^2/NDF: 311521.2/43



Right In: -1369.217+/-1901.435 χ^2/NDF: 14.4/16

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

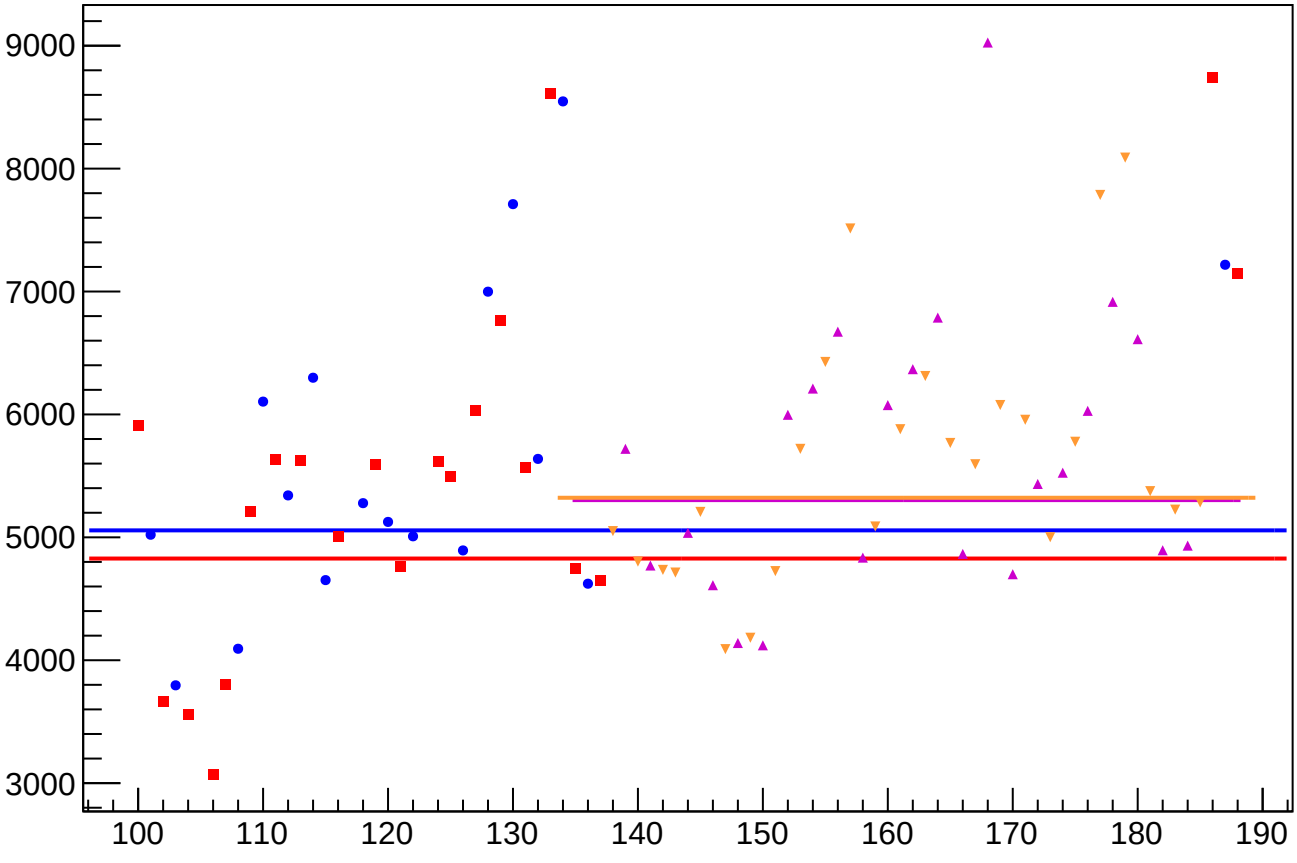
Right Out: 1681.871+/-1687.661 χ^2/NDF: 21.9/20

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign 17.975+/-1034.861 χ^2/NDF: 41.2/41

All: 401.546+/-723.169 χ^2/NDF: 78.5/85

\- sign 767.625+/-1010.989 χ^2/NDF: 37.0/43



Right In: 5056.633+/-1.345 χ^2/NDF: 599165.0/16

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 4827.449+/-1.193 χ^2/NDF: 1253972.2/20

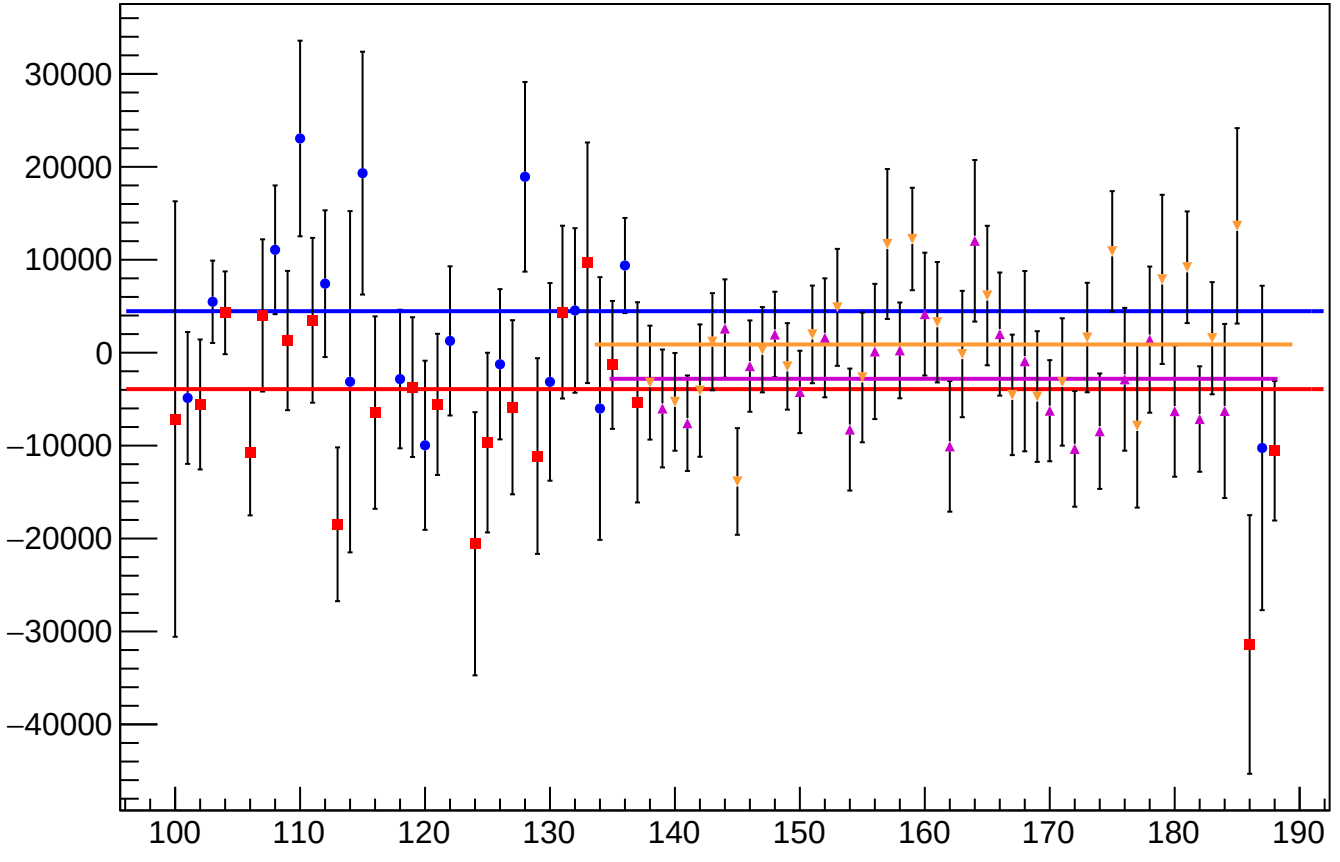
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5243.371+/-0.732 χ^2/NDF: 1663585.1/41

All: 5186.516+/-0.511 χ^2/NDF: 4183489.0/85

- sign 5132.254+/-0.715 χ^2/NDF: 2508105.8/43

asym_usr_atr2_avg_mean vs Slug



Right In: 4467.830+/-1946.284 χ^2/NDF: 16.2/16

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

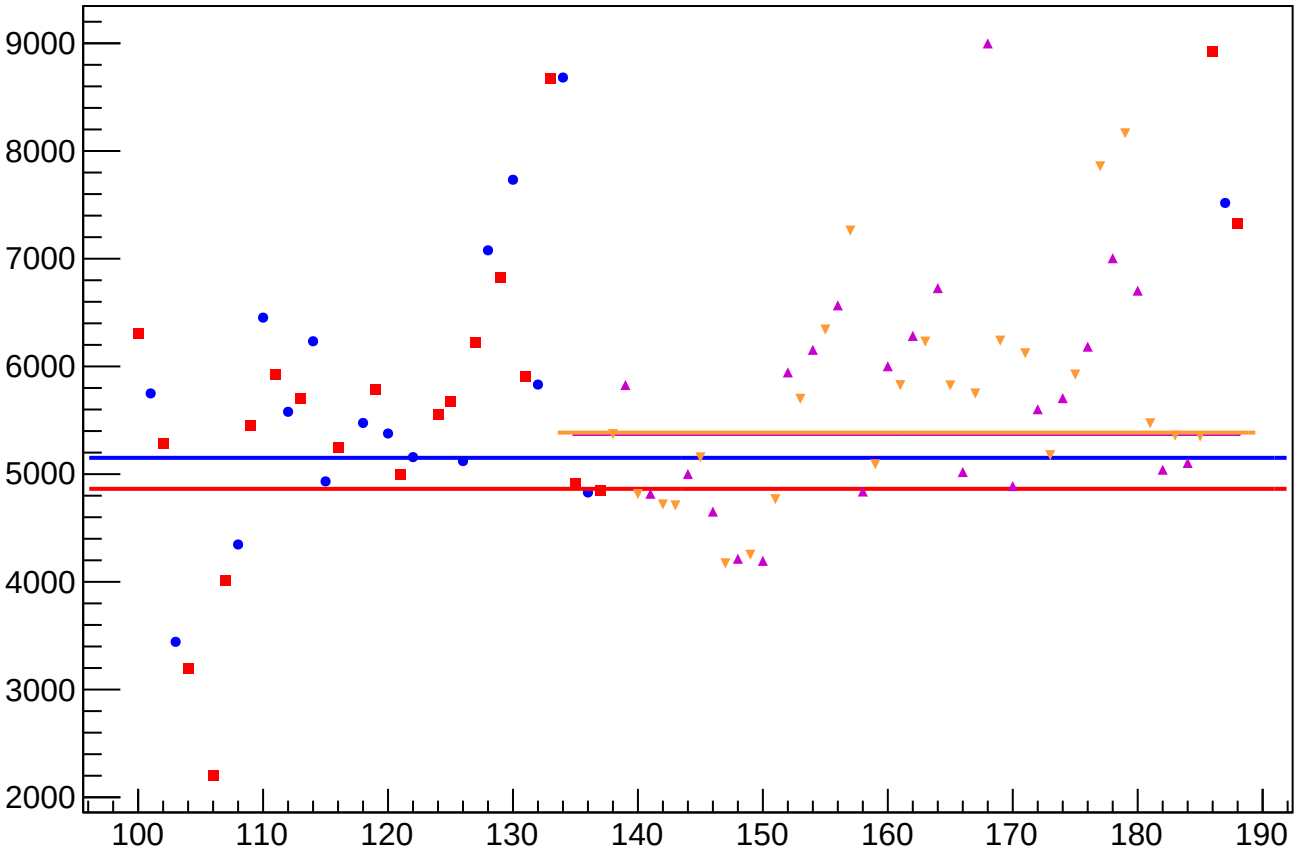
Right Out: -3921.183+/-1810.734 χ^2/NDF: 18.8/20

Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1927.478+/-1049.676 χ^2/NDF: 44.3/41

All: -640.646+/-740.114 χ^2/NDF: 89.9/85

- sign -3179.645+/-1043.707 χ^2/NDF: 33.7/43



Right In: 5151.433+/-1.376 χ^2/NDF: 757588.9/16

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

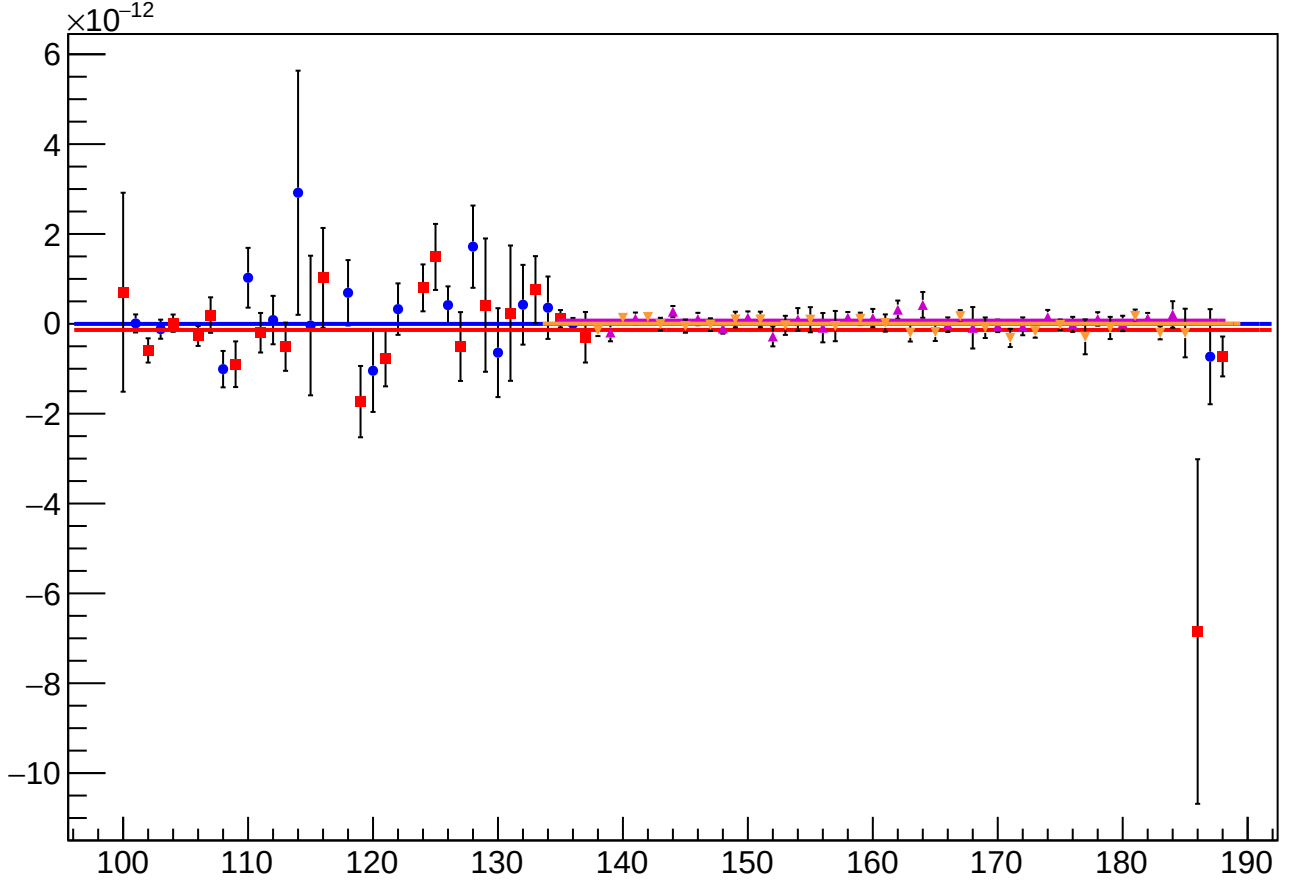
Right Out: 4863.604+/-1.235 χ^2/NDF: 1757425.1/20

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5317.525+/-0.742 χ^2/NDF: 1765217.8/41

All: 5255.355+/-0.520 χ^2/NDF: 4719059.9/85

- sign 5195.386+/-0.729 χ^2/NDF: 2940058.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/20

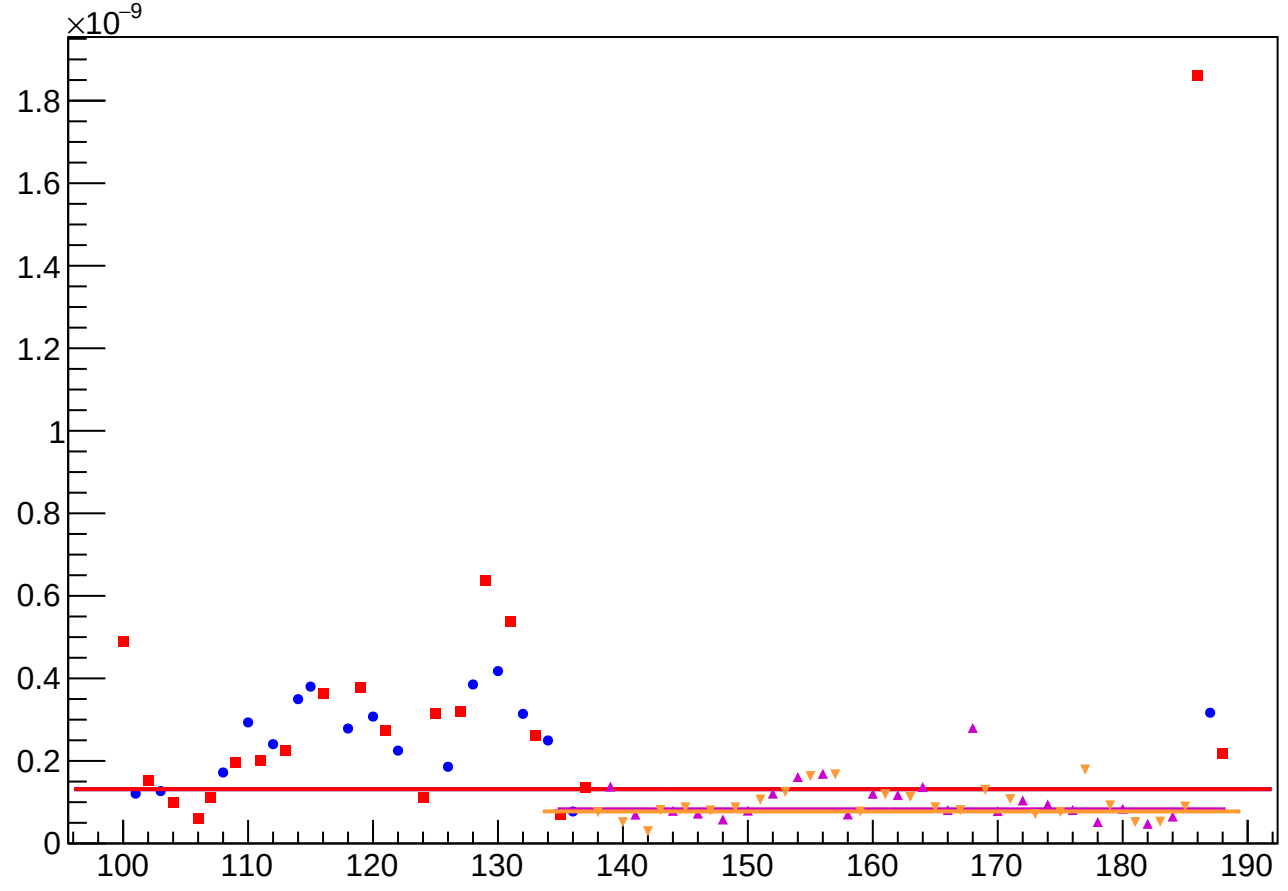
Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/41

All: 0.000+/-0.000 χ^2/NDF: 88.5/85

- sign 0.000+/-0.000 χ^2/NDF: 50.8/43

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1390993.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2222243.0/20

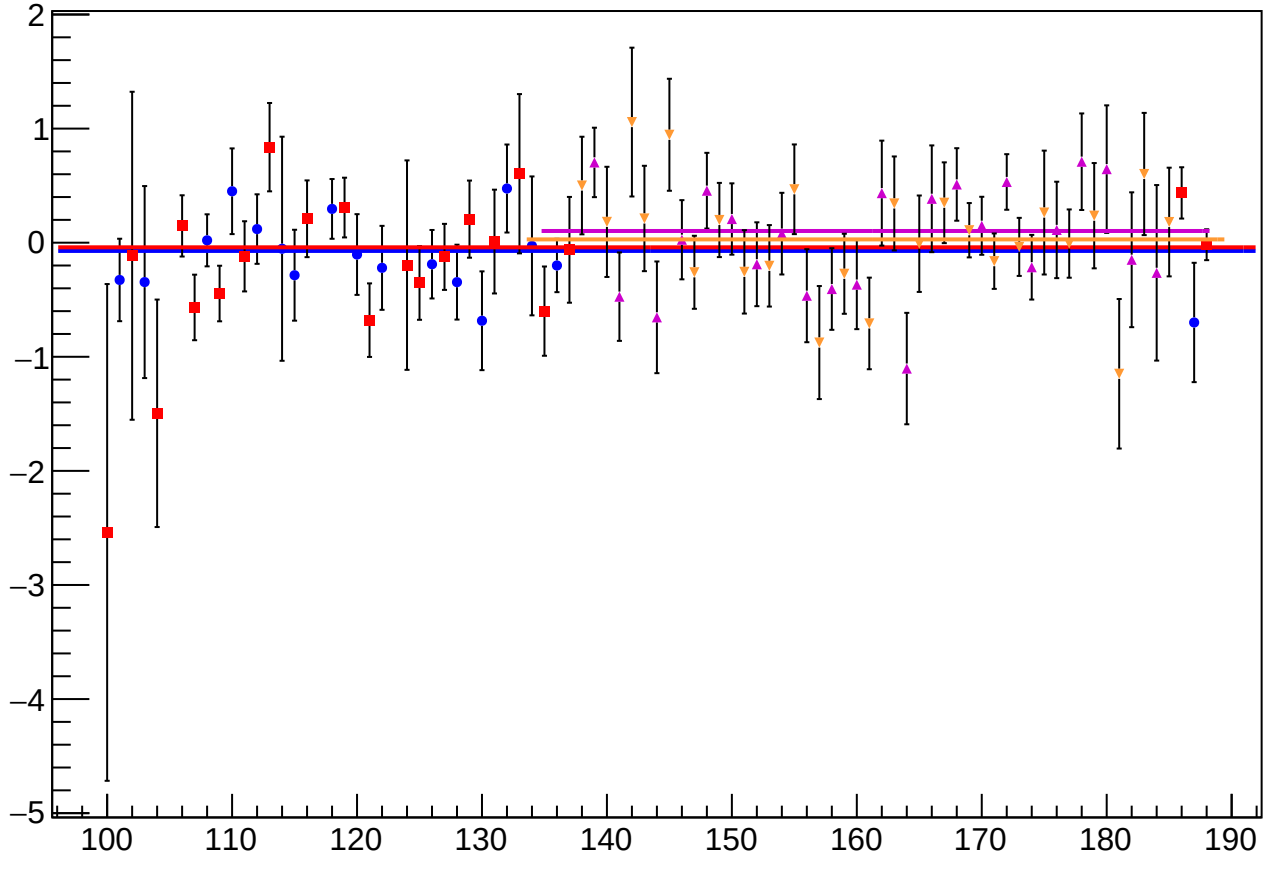
Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 3719907.6/41

All: 0.000+/-0.000 χ^2/NDF: 8059270.9/85

- sign 0.000+/-0.000 χ^2/NDF: 4311991.1/43

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.041+/-0.068 χ^2/NDF: 30.5/20

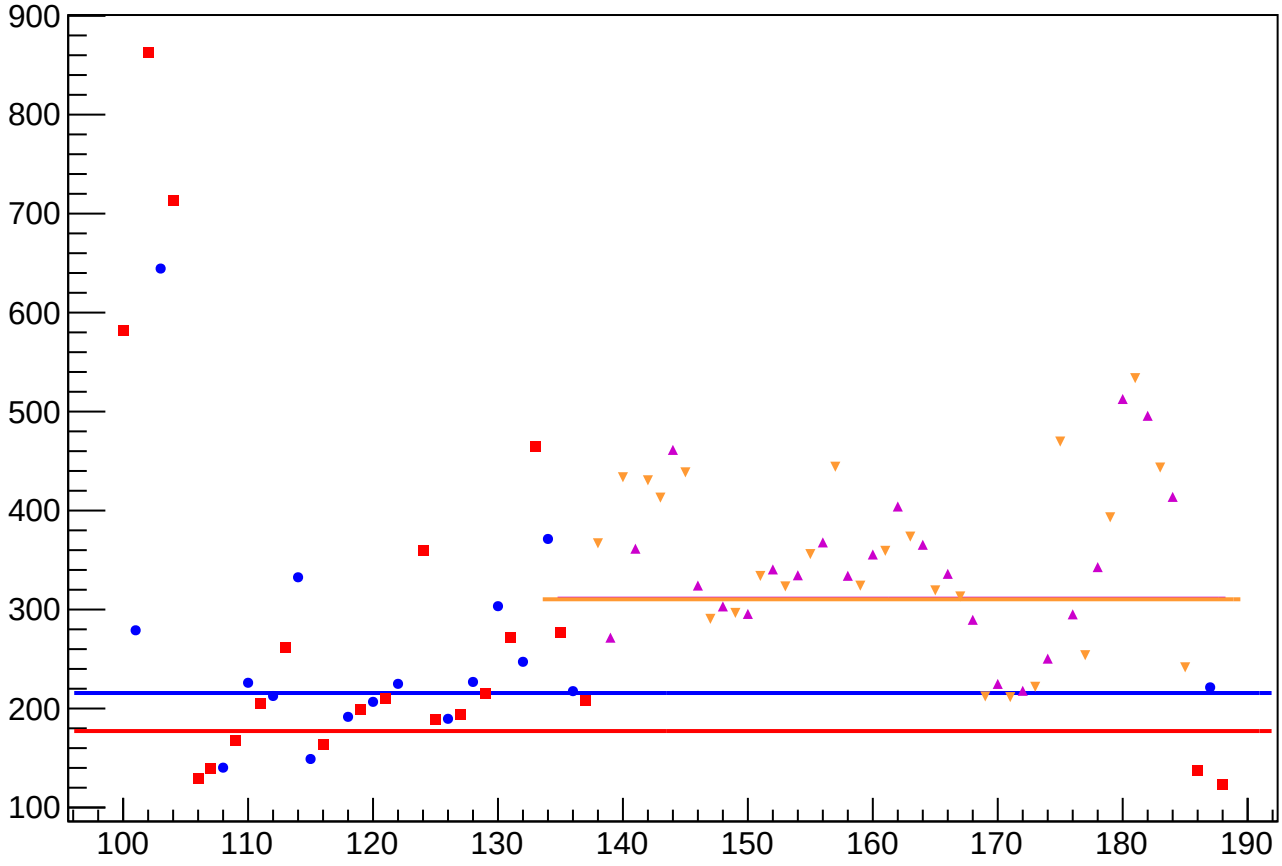
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.016+/-0.056 χ^2/NDF: 38.3/41

All: 0.005+/-0.038 χ^2/NDF: 103.3/85

- sign 0.022+/-0.051 χ^2/NDF: 64.8/43

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.672+/-0.060 χ^2/NDF: 1148974.3/16

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

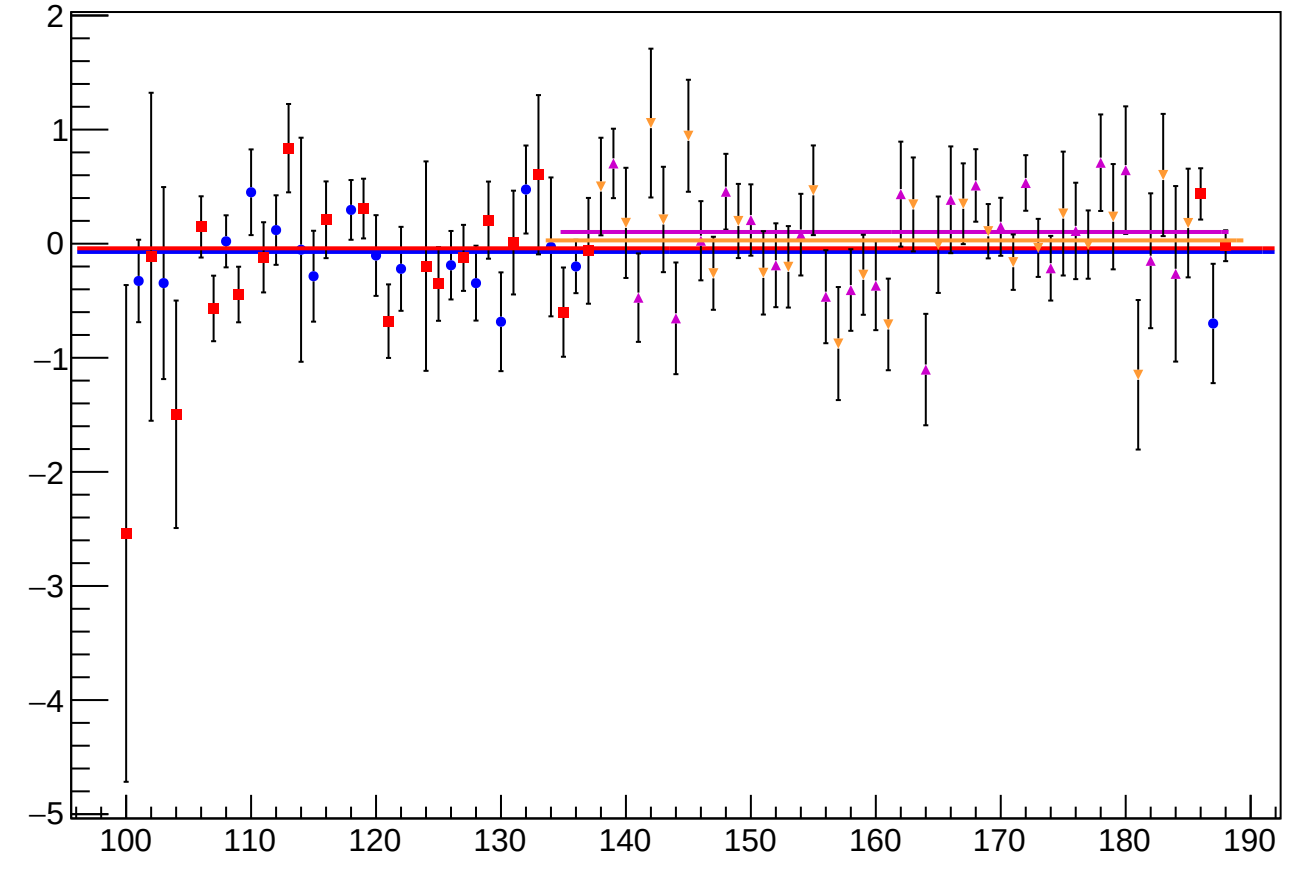
Right Out: 177.244+/-0.048 χ^2/NDF: 2414026.6/20

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 268.760+/-0.040 χ^2/NDF: 4925053.4/41

All: 250.795+/-0.027 χ^2/NDF: 12758651.7/85

- sign 236.088+/-0.036 χ^2/NDF: 7458041.0/43



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

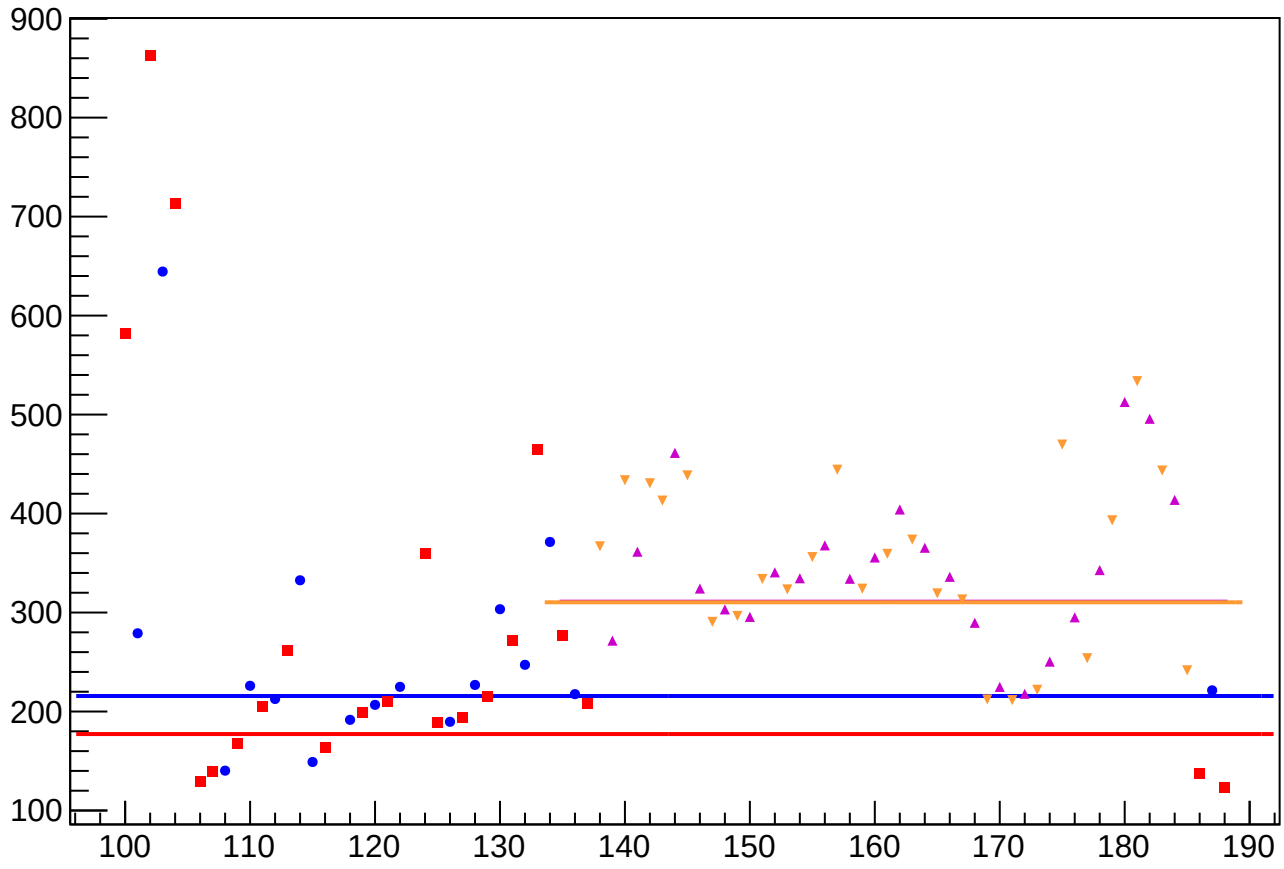
Right Out: -0.041+/-0.068 χ^2/NDF: 30.5/20

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.016+/-0.056 χ^2/NDF: 38.3/41

All: 0.005+/-0.038 χ^2/NDF: 103.3/85

- sign 0.022+/-0.051 χ^2/NDF: 64.8/43



Right In: 215.672+/-0.060 χ^2/NDF: 1148974.3/16

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

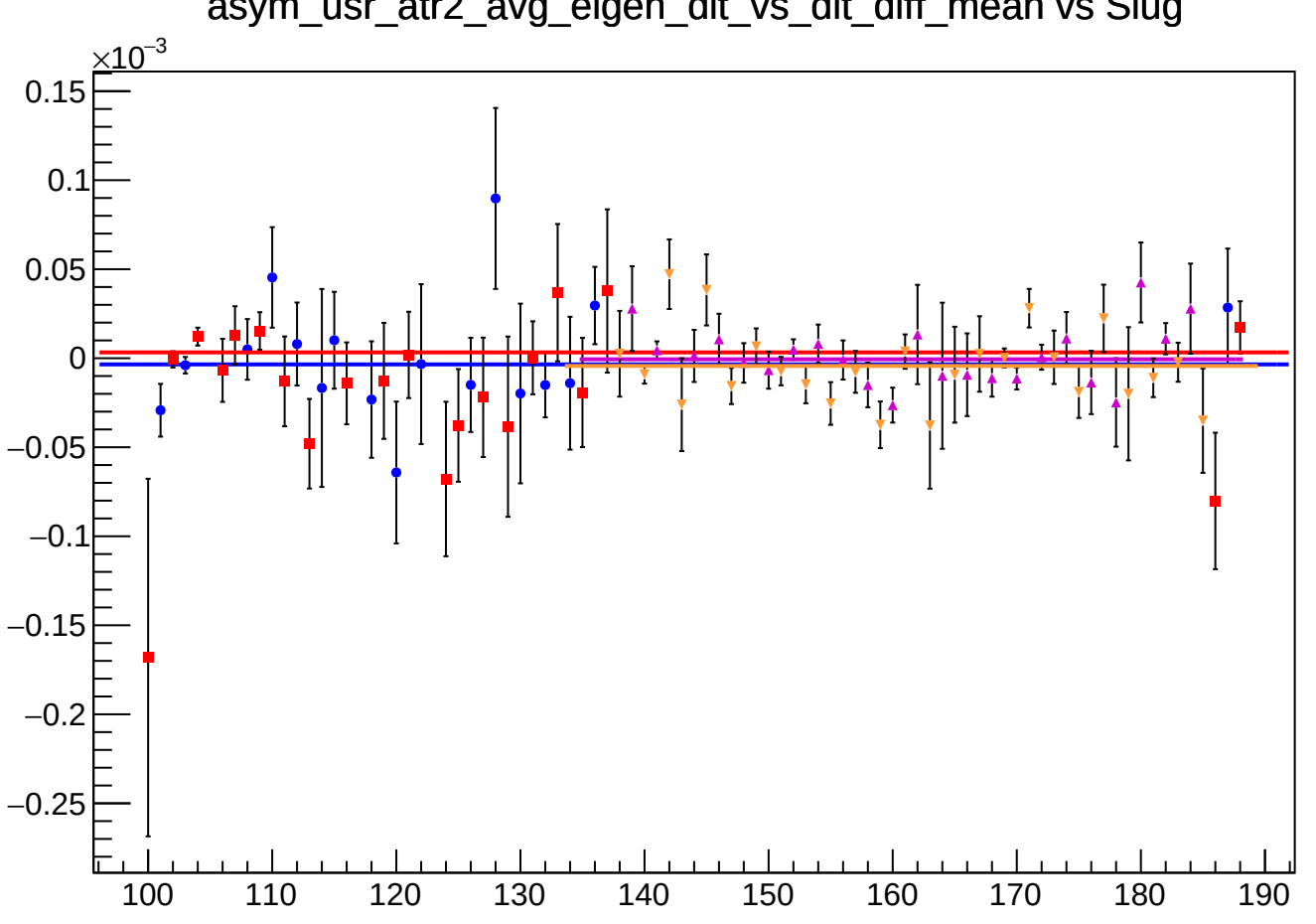
Right Out: 177.244+/-0.048 χ^2/NDF: 2414026.6/20

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 268.760+/-0.040 χ^2/NDF: 4925053.4/41

All: 250.795+/-0.027 χ^2/NDF: 12758651.7/85

- sign 236.088+/-0.036 χ^2/NDF: 7458041.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

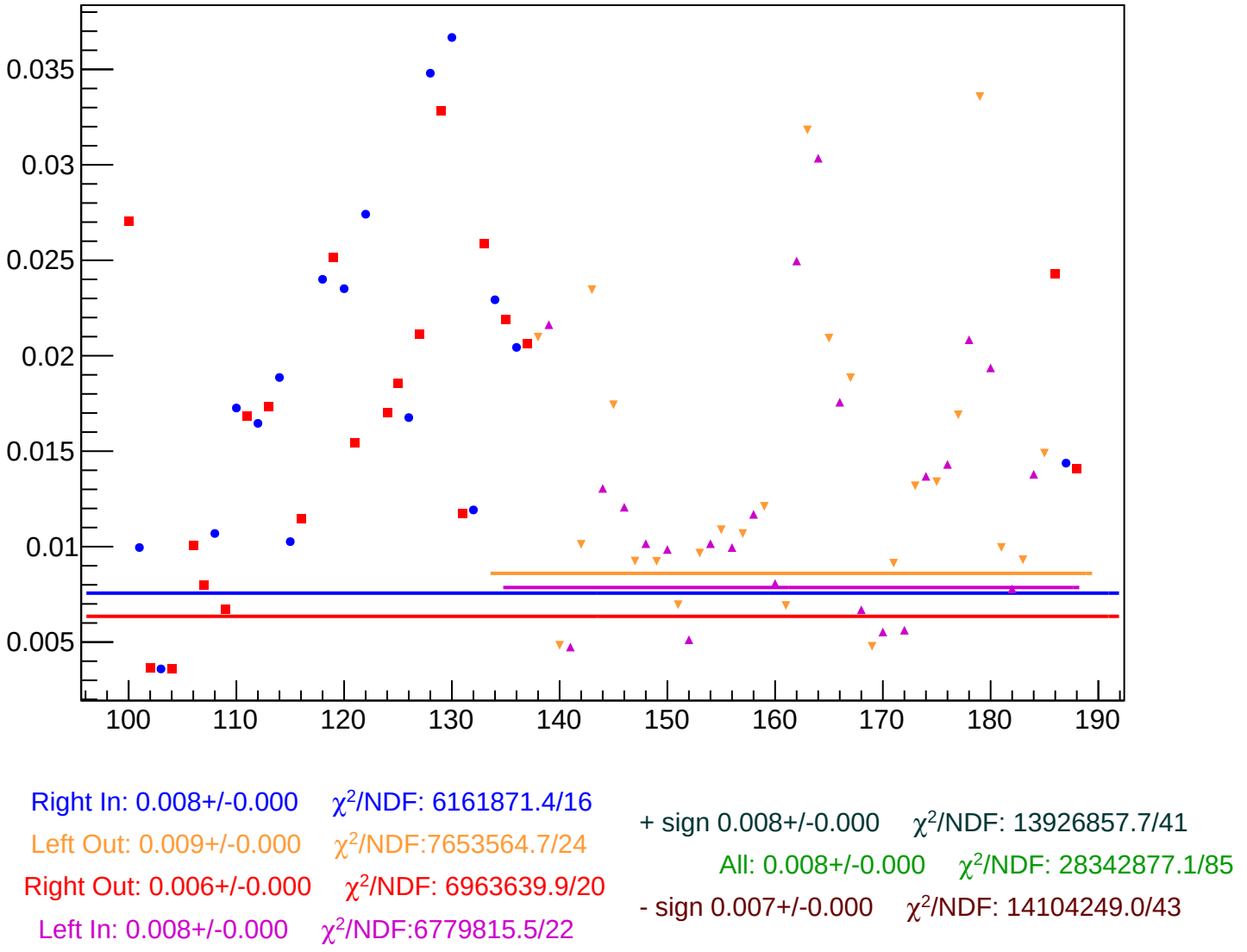
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/20

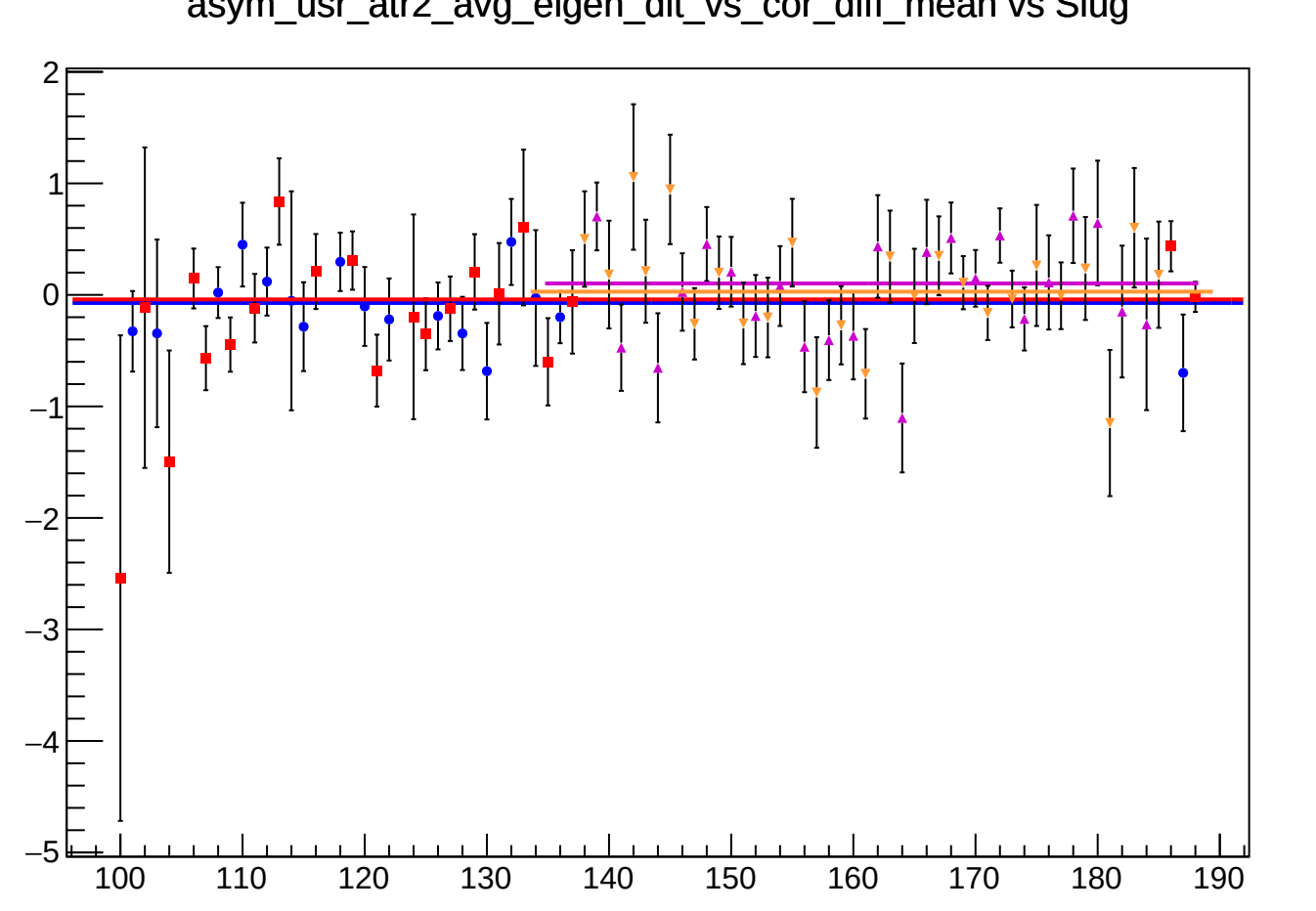
Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/41

All: -0.000+/-0.000 χ^2/NDF: 117.9/85

- sign 0.000+/-0.000 χ^2/NDF: 55.0/43


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.000 χ²/NDF: 6161871.4/16
Left Out: 0.009+/-0.000 χ²/NDF:7653564.7/24
Right Out: 0.006+/-0.000 χ²/NDF: 6963639.9/20
Left In: 0.008+/-0.000 χ²/NDF:6779815.5/22
+ sign 0.008+/-0.000 χ²/NDF: 13926857.7/41
All: 0.008+/-0.000 χ²/NDF: 28342877.1/85
- sign 0.007+/-0.000 χ²/NDF: 14104249.0/43



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

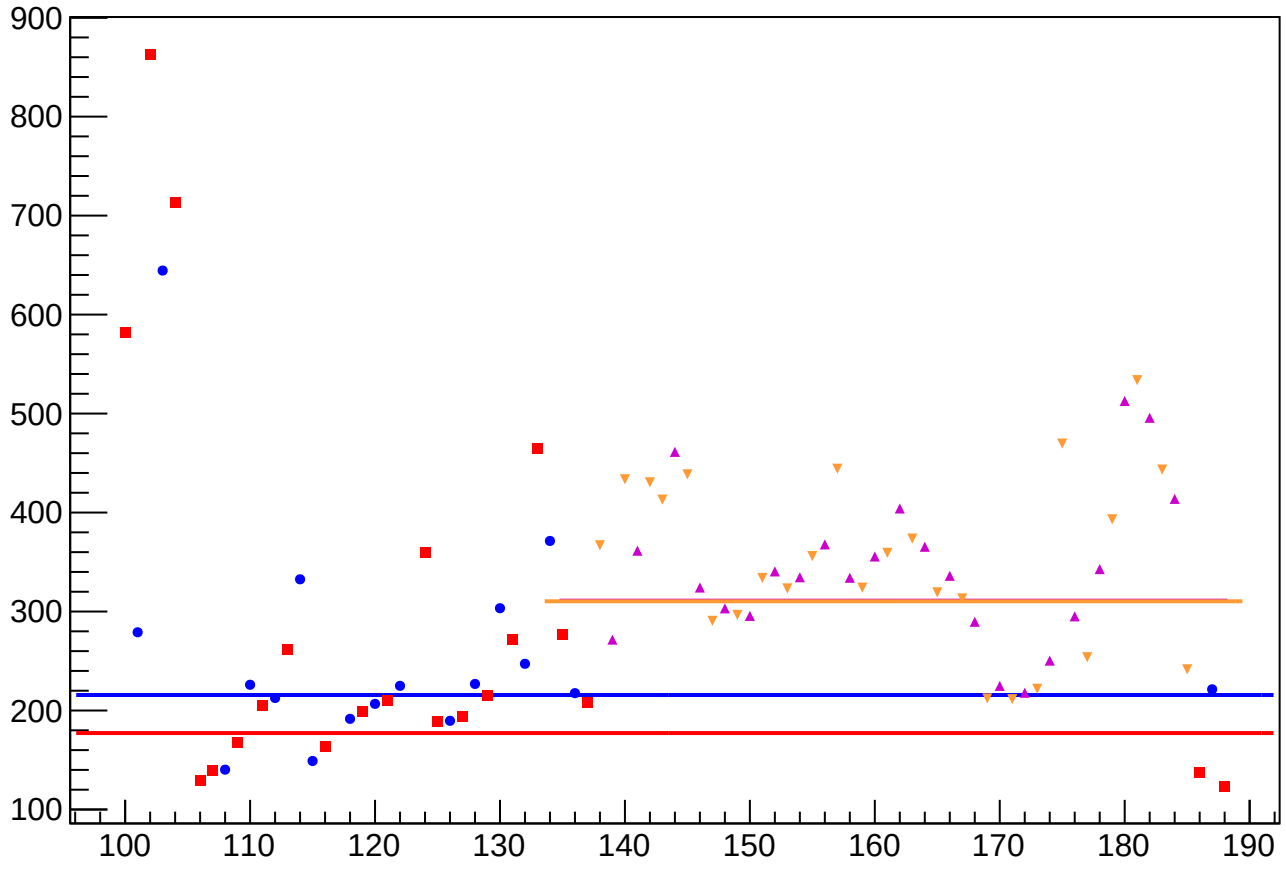
Right Out: -0.041+/-0.068 χ^2/NDF: 30.5/20

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

\+ sign -0.016+/-0.056 χ^2/NDF: 38.3/41

All: 0.005+/-0.038 χ^2/NDF: 103.3/85

\- sign 0.022+/-0.051 χ^2/NDF: 64.8/43



Right In: 215.671+/-0.060 χ^2/NDF: 1148948.3/16

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

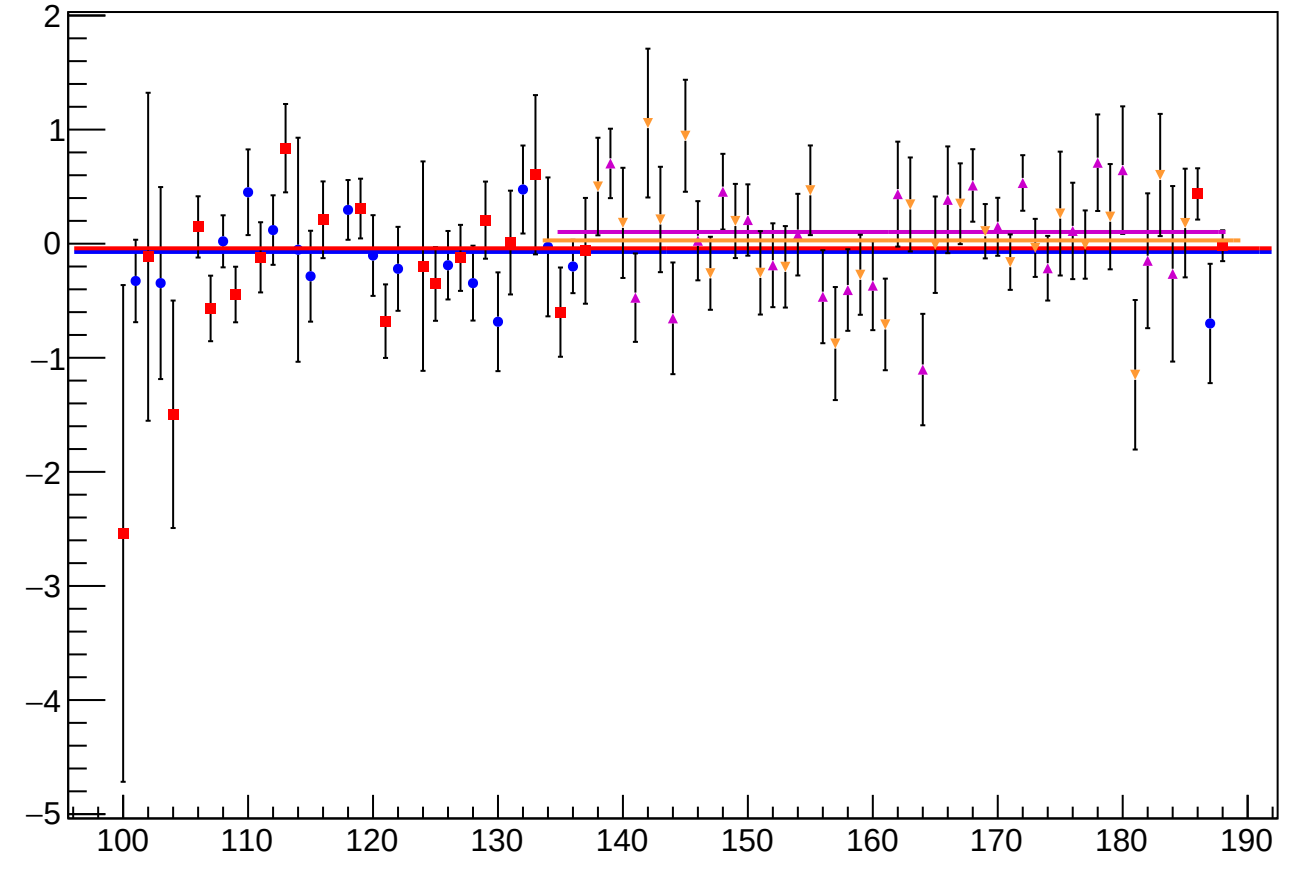
Right Out: 177.241+/-0.048 χ^2/NDF: 2414059.7/20

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 268.761+/-0.040 χ^2/NDF: 4925216.1/41

All: 250.794+/-0.027 χ^2/NDF: 12759225.8/85

- sign 236.087+/-0.036 χ^2/NDF: 7458406.4/43



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

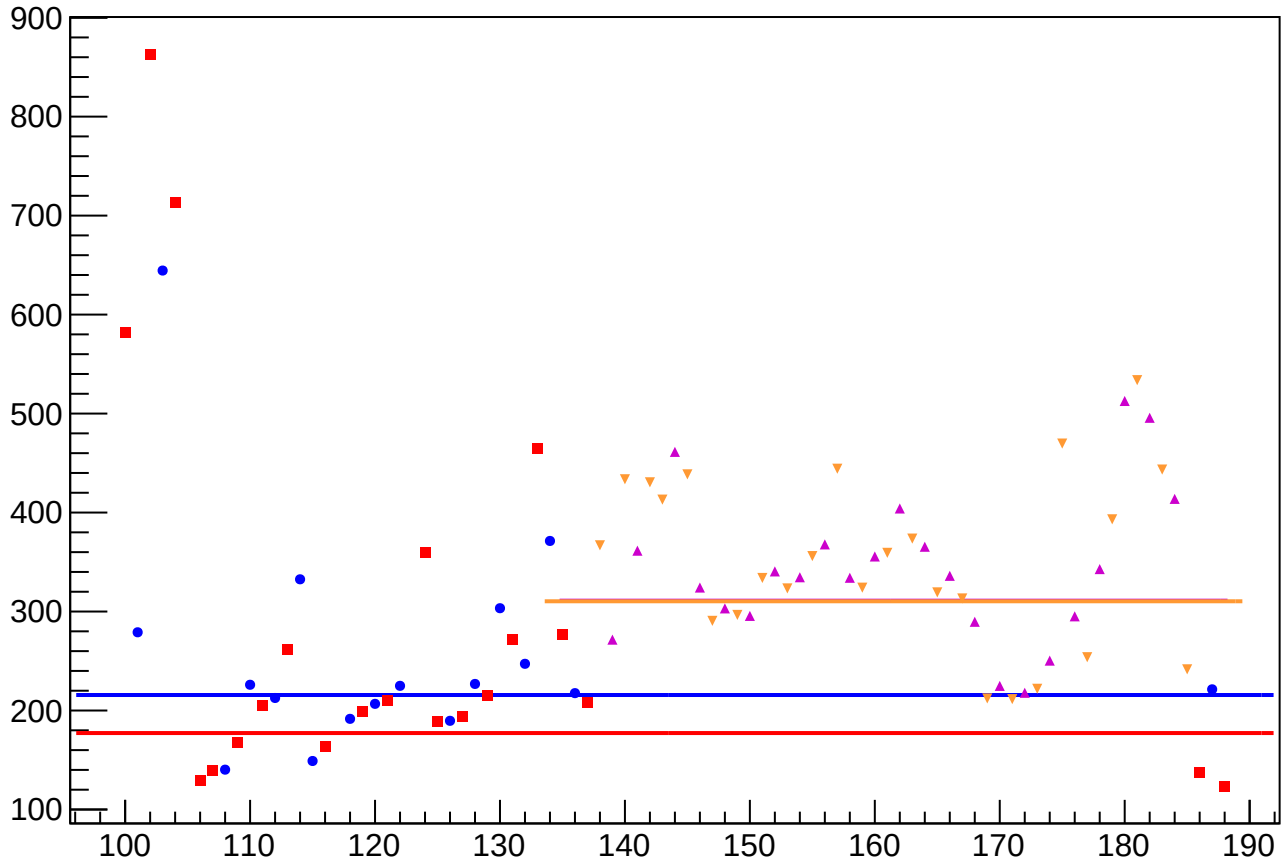
Right Out: -0.041+/-0.068 χ^2/NDF: 30.5/20

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

\+ sign -0.016+/-0.056 χ^2/NDF: 38.3/41

All: 0.005+/-0.038 χ^2/NDF: 103.3/85

\- sign 0.022+/-0.051 χ^2/NDF: 64.8/43



Right In: 215.671+/-0.060 χ^2/NDF: 1148948.3/16

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

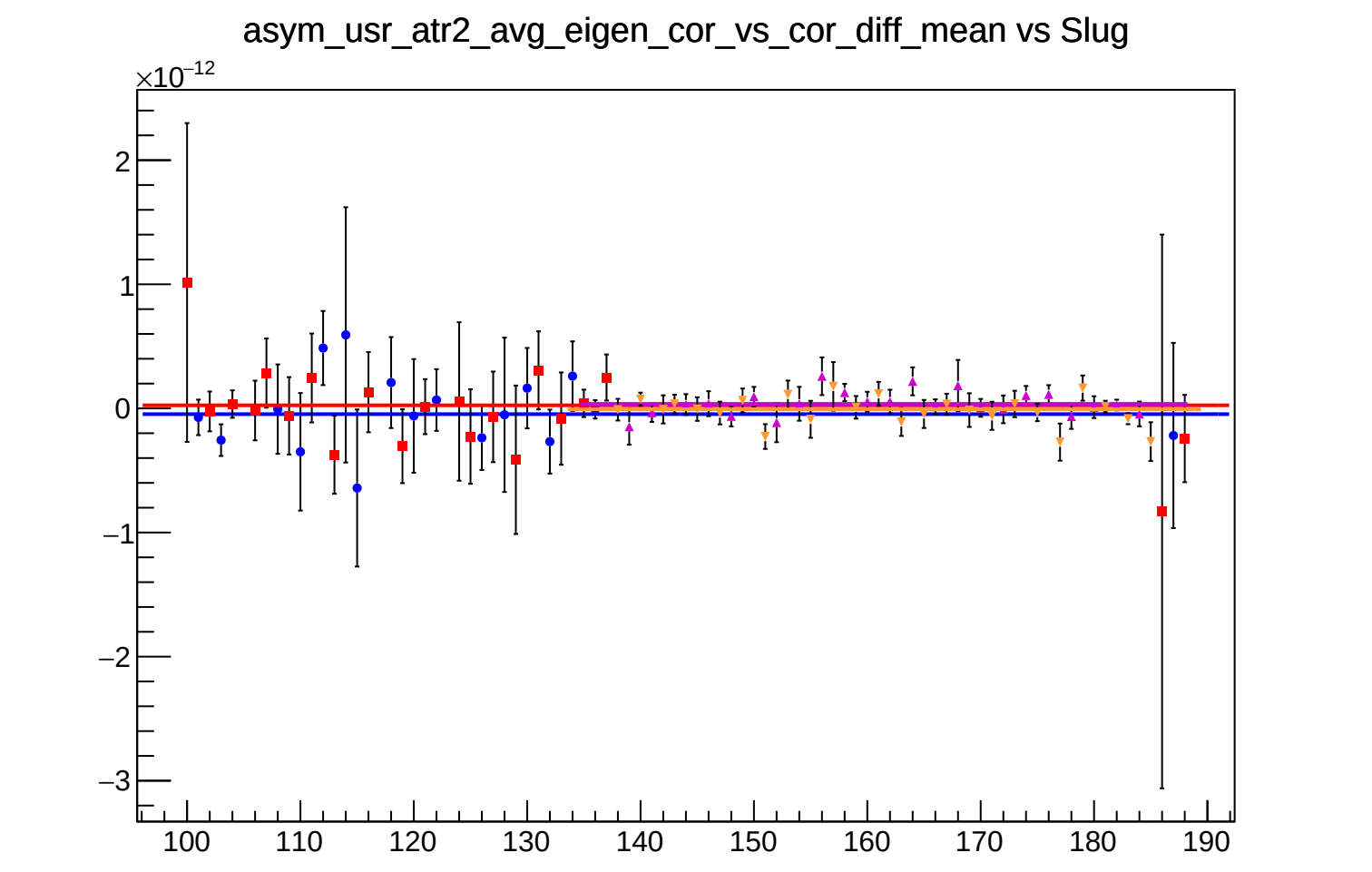
Right Out: 177.241+/-0.048 χ^2/NDF: 2414059.7/20

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 268.761+/-0.040 χ^2/NDF: 4925216.1/41

All: 250.794+/-0.027 χ^2/NDF: 12759225.8/85

- sign 236.087+/-0.036 χ^2/NDF: 7458406.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

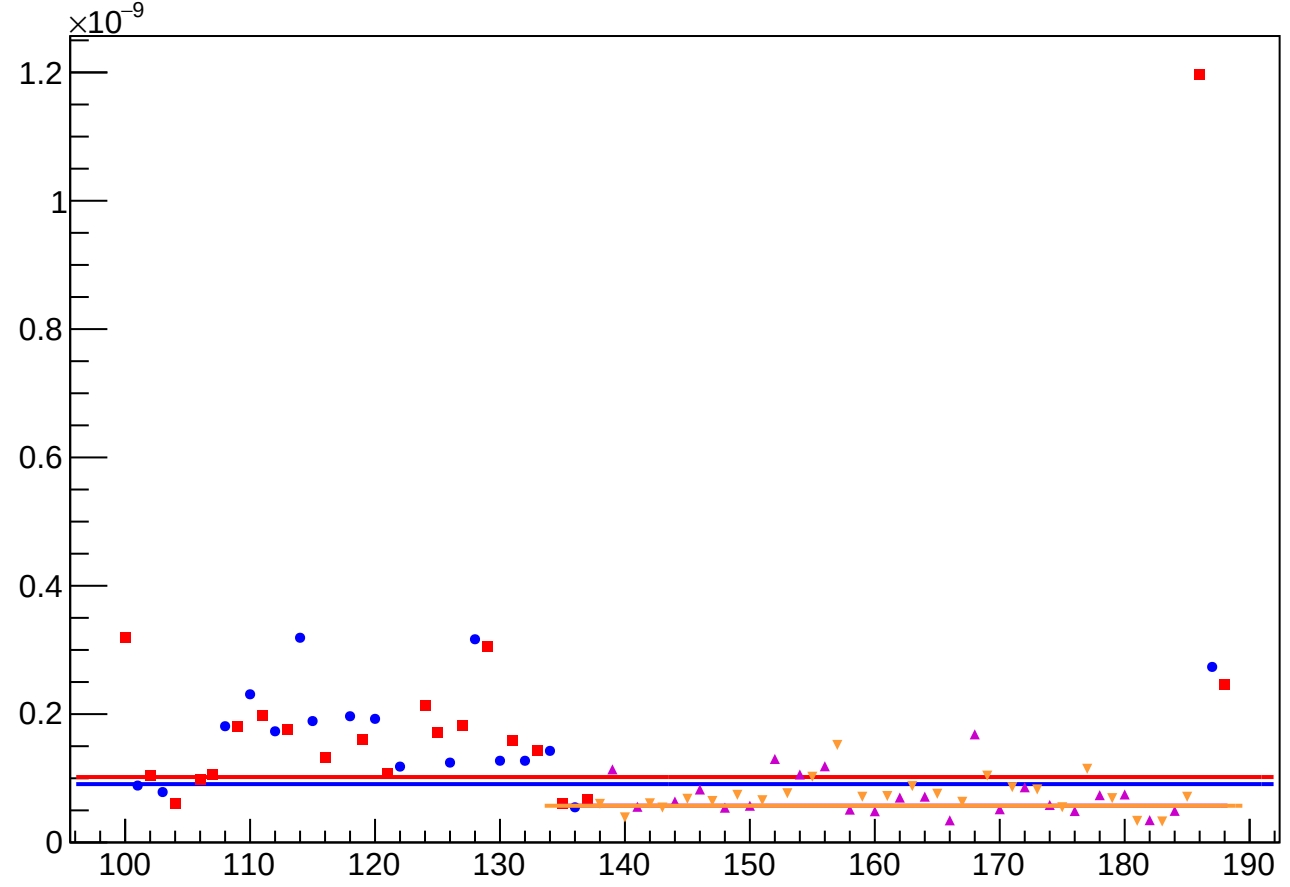
Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/20

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.8/41

All: 0.000+/-0.000 χ^2/NDF: 67.8/85

- sign 0.000+/-0.000 χ^2/NDF: 25.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 1928373.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2523572.9/20

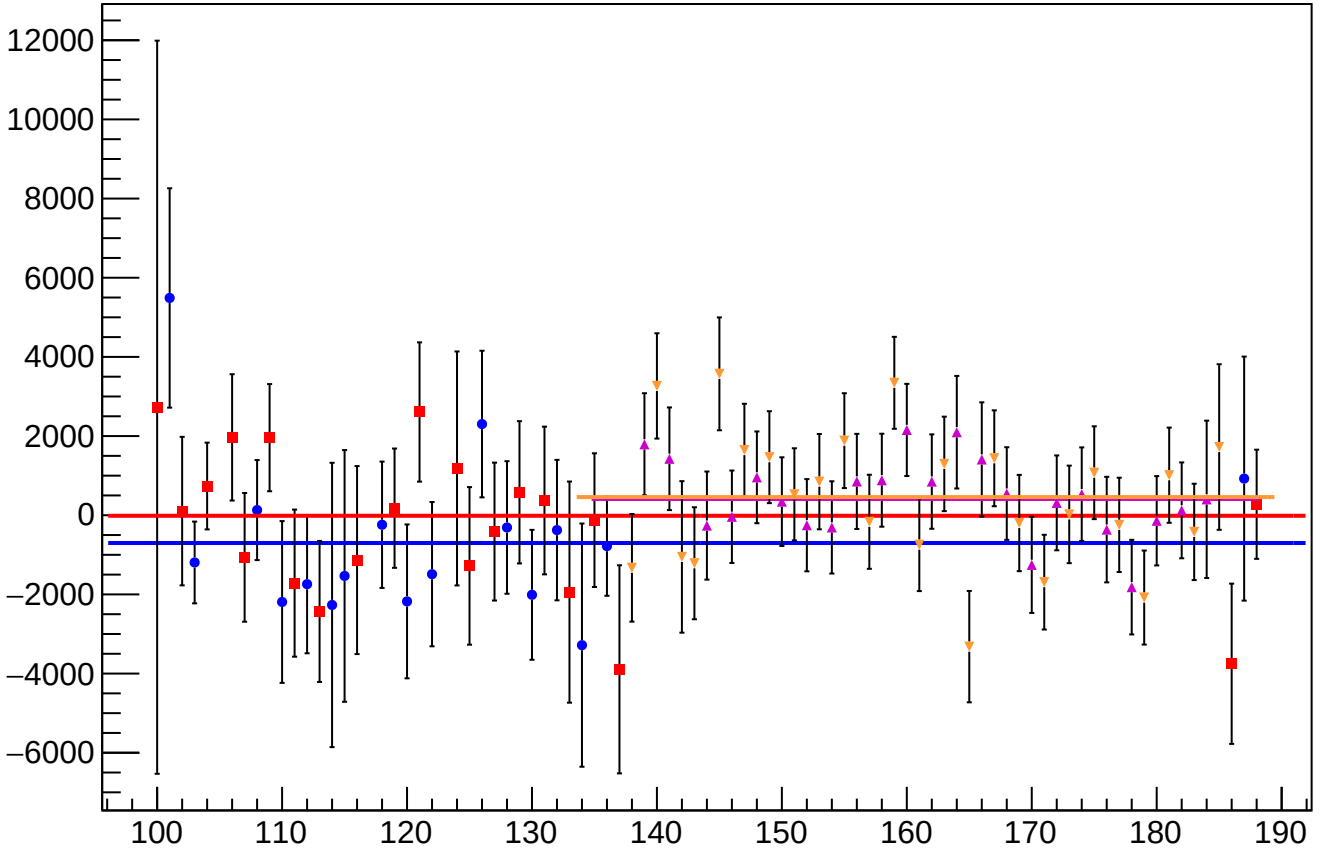
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6085232.3/41

All: 0.000+/-0.000 χ^2/NDF: 13258346.5/85

- sign 0.000+/-0.000 χ^2/NDF: 7167441.6/43

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -701.472+/-423.335 χ^2/NDF: 12.0/16

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -13.535+/-386.990 χ^2/NDF: 16.7/20

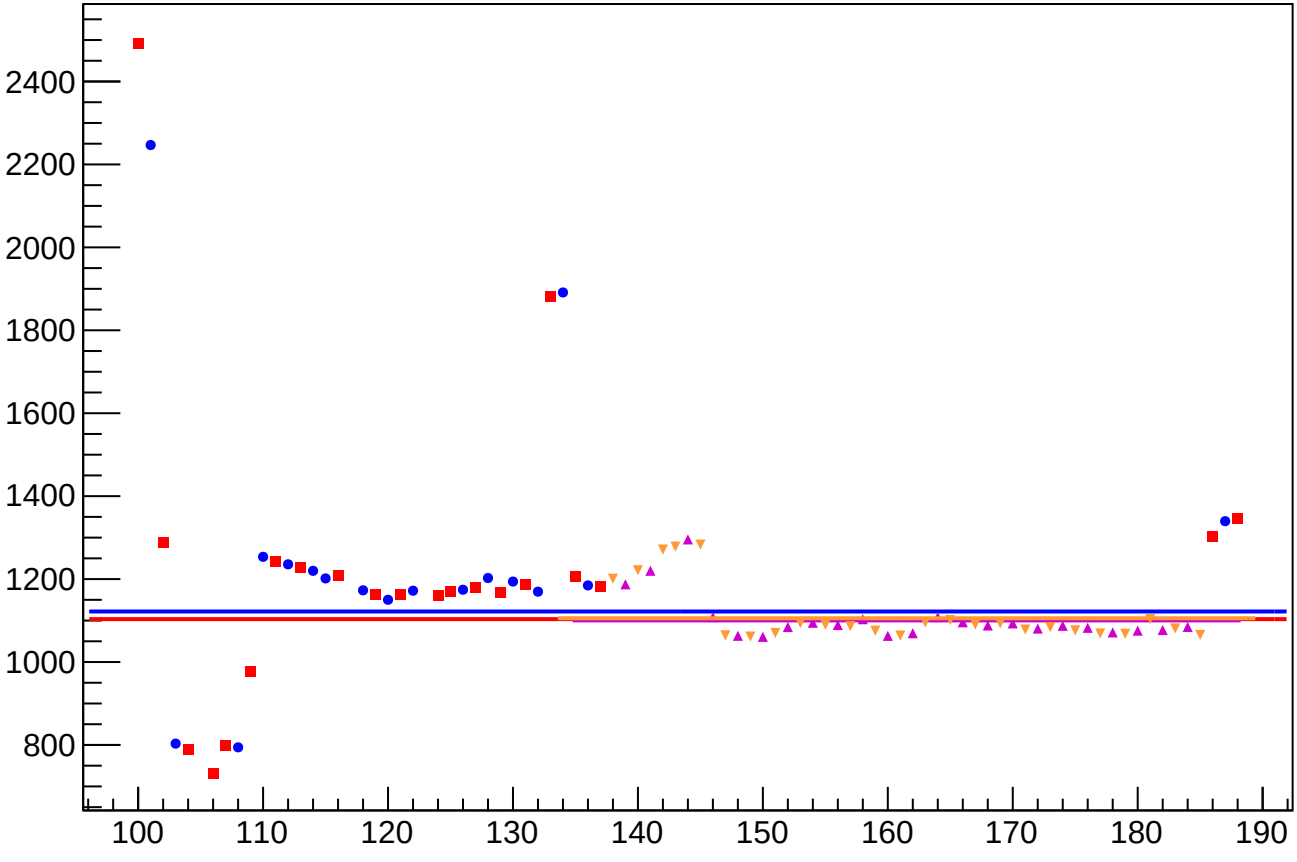
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 156.036+/-216.245 χ^2/NDF: 59.6/41

All: 219.166+/-152.182 χ^2/NDF: 91.0/85

- sign 281.112+/-214.206 χ^2/NDF: 31.2/43

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1121.870+/-0.299 χ^2/NDF: 830008.7/16

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

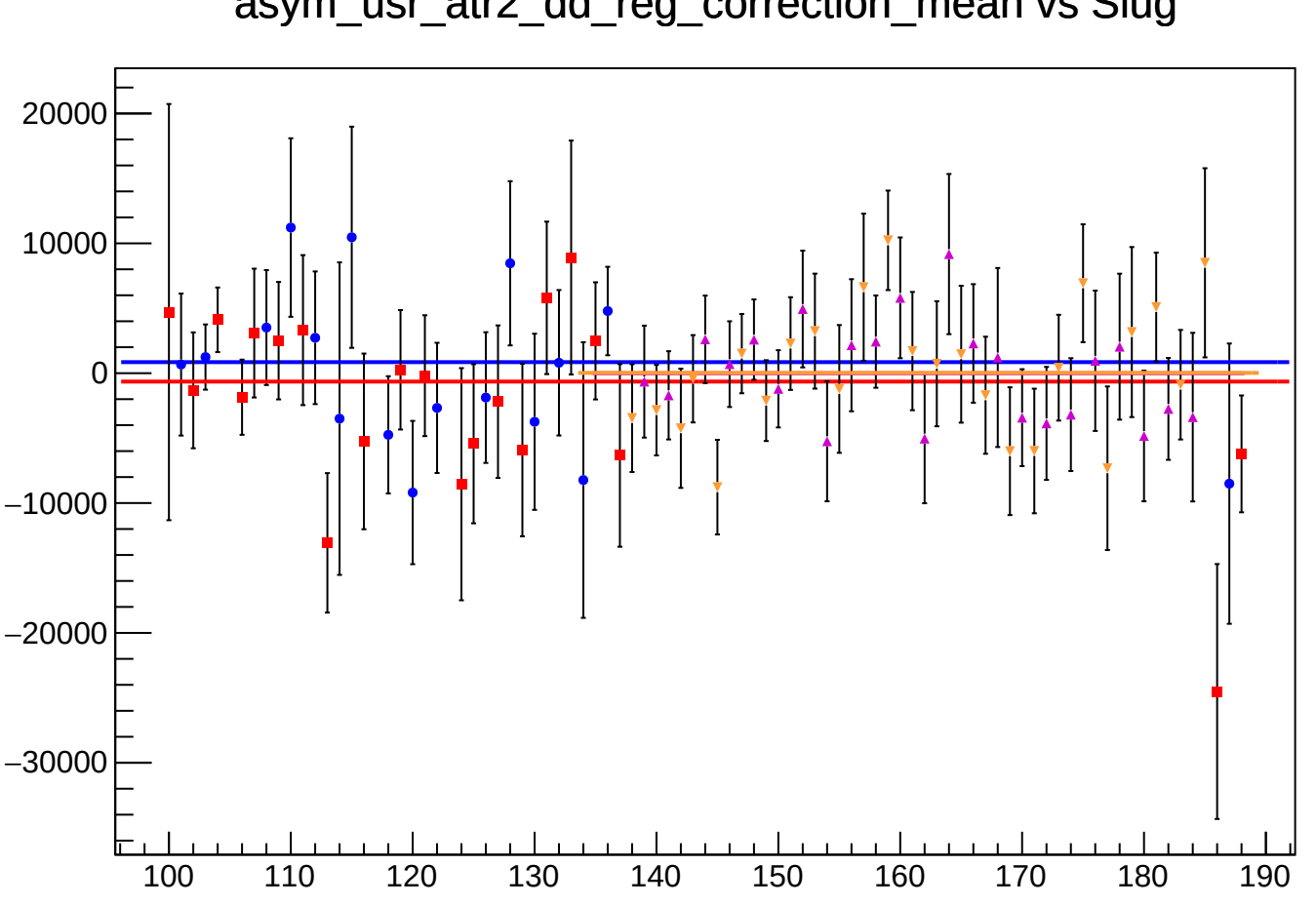
Right Out: 1103.443+/-0.272 χ^2/NDF: 740873.4/20

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1109.808+/-0.153 χ^2/NDF: 954155.8/41

All: 1105.507+/-0.107 χ^2/NDF: 1776922.6/85

- sign 1101.307+/-0.151 χ^2/NDF: 821203.5/43



Right In: 851.660+/-1224.790 χ^2/NDF: 14.6/16

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -645.895+/-1074.738 χ^2/NDF: 24.3/20

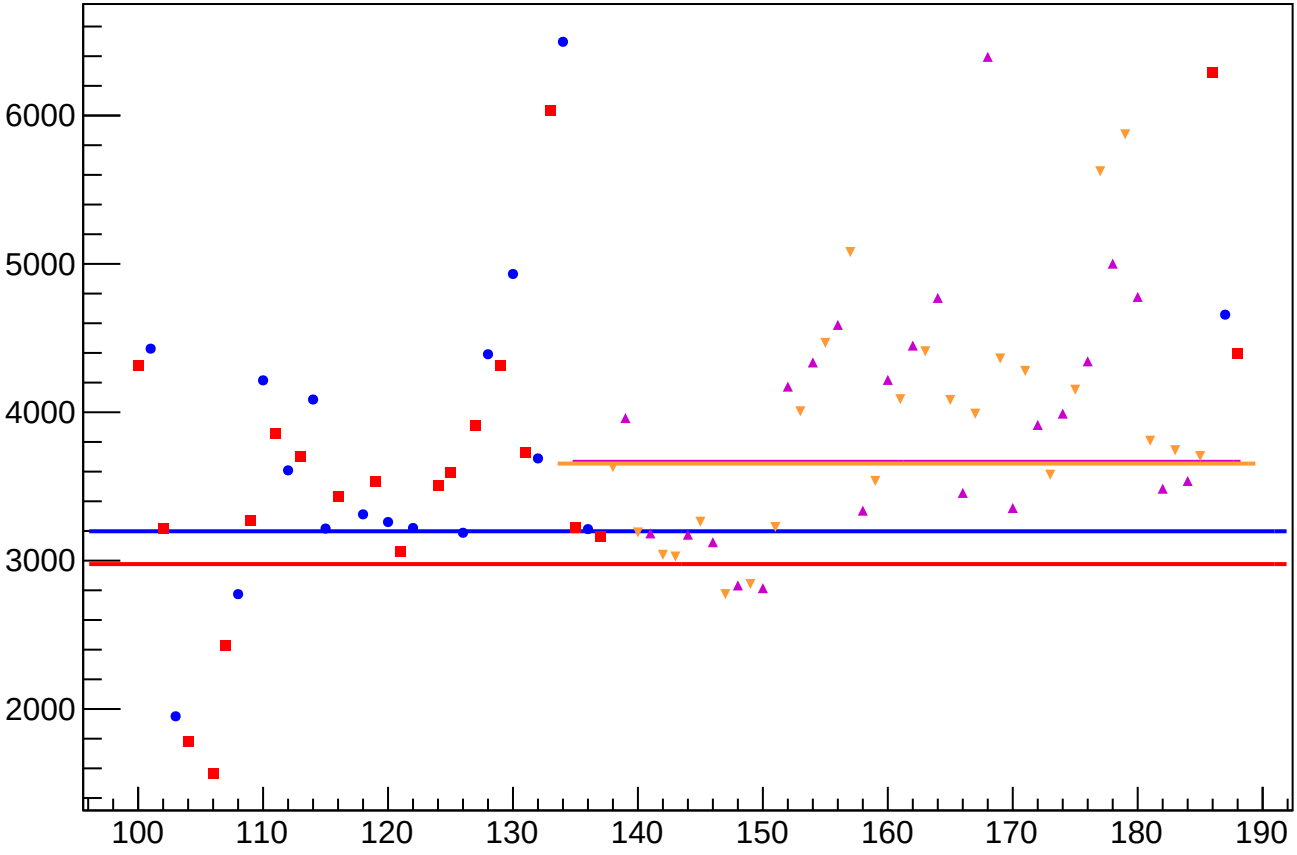
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 292.793+/-698.535 χ^2/NDF: 43.4/41

All: 7.727+/-486.764 χ^2/NDF: 82.3/85

- sign -261.355+/-678.670 χ^2/NDF: 38.6/43

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3197.919+/-0.866 χ^2/NDF: 1128756.7/16

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 2976.700+/-0.760 χ^2/NDF: 1964931.8/20

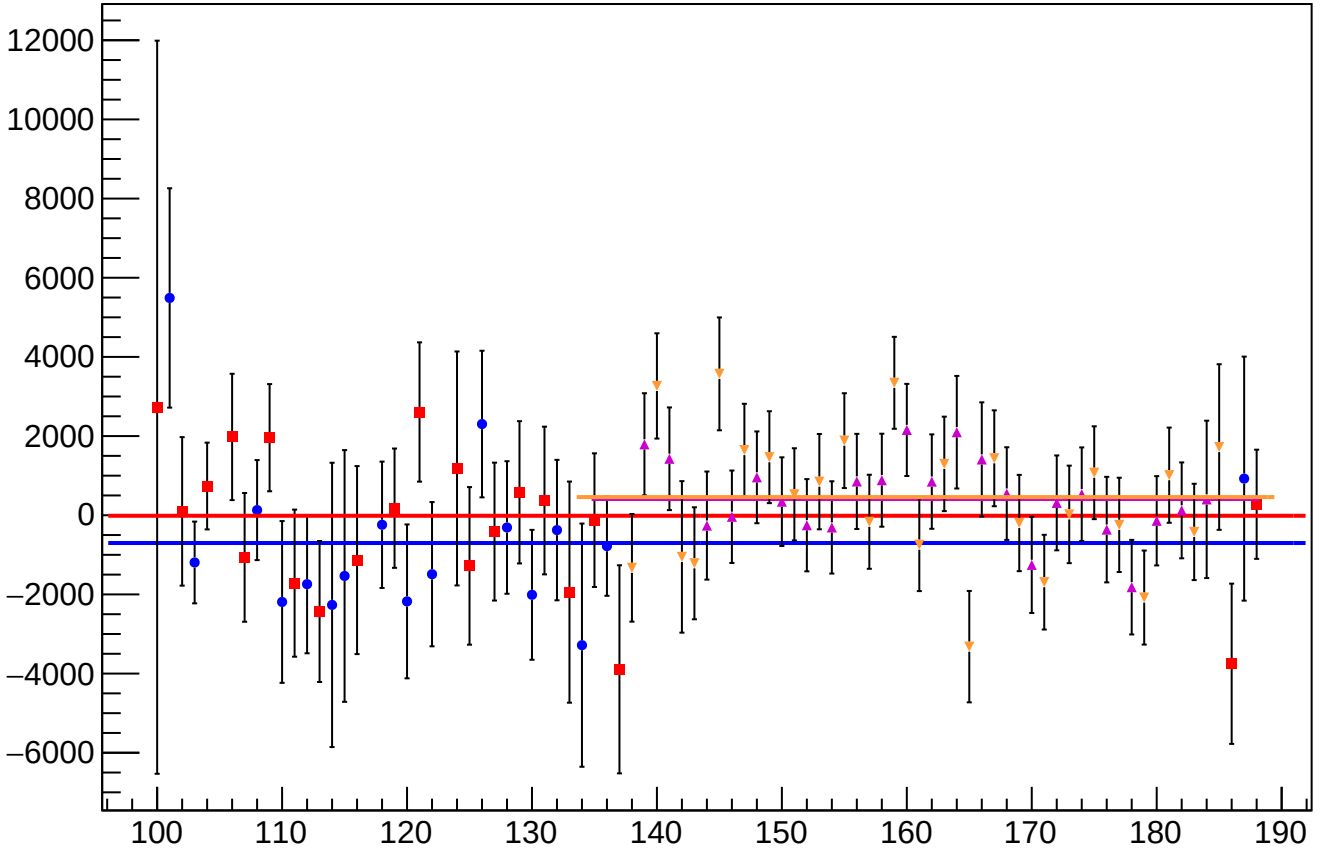
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3505.781+/-0.494 χ^2/NDF: 2627799.2/41

All: 3446.841+/-0.344 χ^2/NDF: 6458928.7/85

- sign 3391.205+/-0.480 χ^2/NDF: 3803450.0/43

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -701.415+/-423.335 χ^2/NDF: 12.0/16

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -13.295+/-386.994 χ^2/NDF: 16.7/20

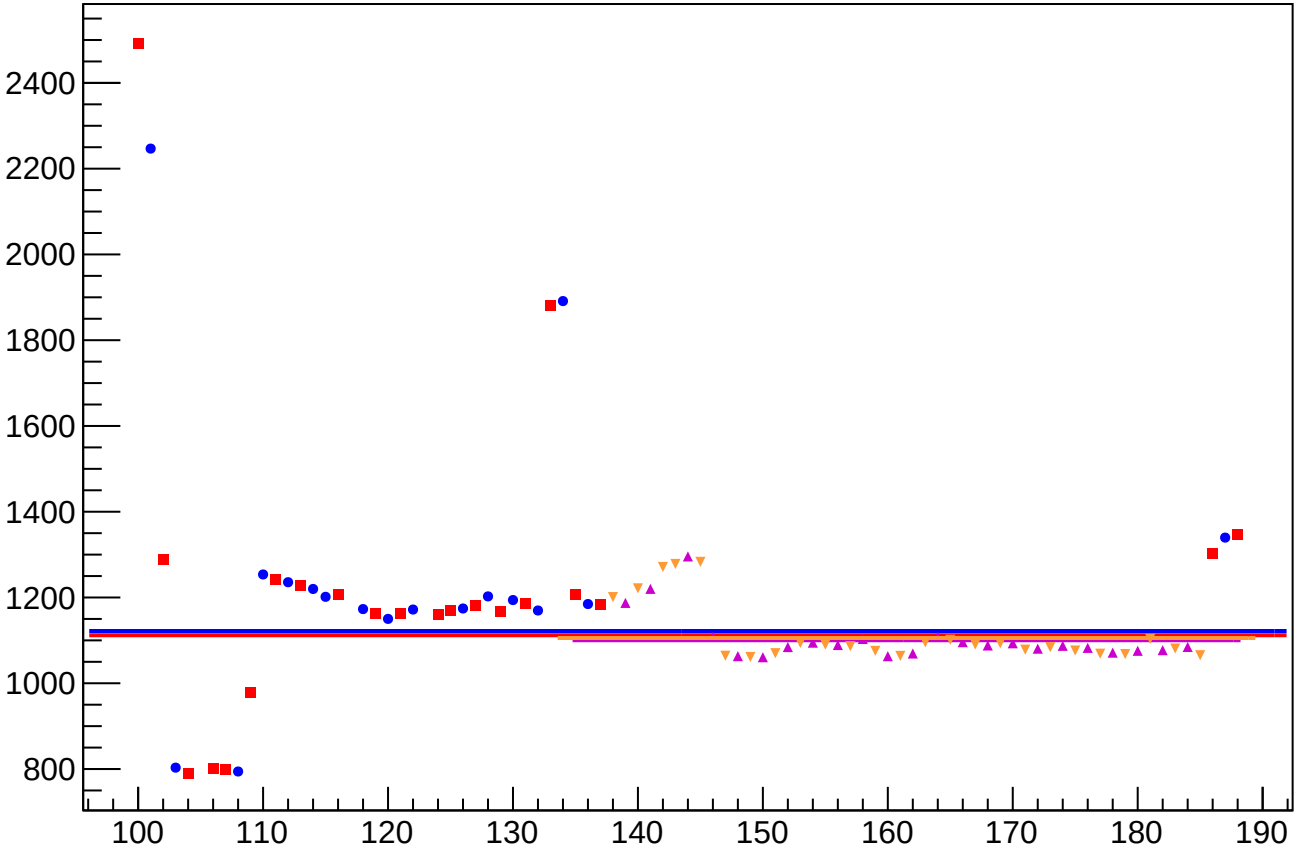
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 156.097+/-216.245 χ^2/NDF: 59.6/41

All: 219.200+/-152.183 χ^2/NDF: 91.0/85

- sign 281.119+/-214.207 χ^2/NDF: 31.2/43

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1121.871+/-0.299 χ^2/NDF: 830005.2/16

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

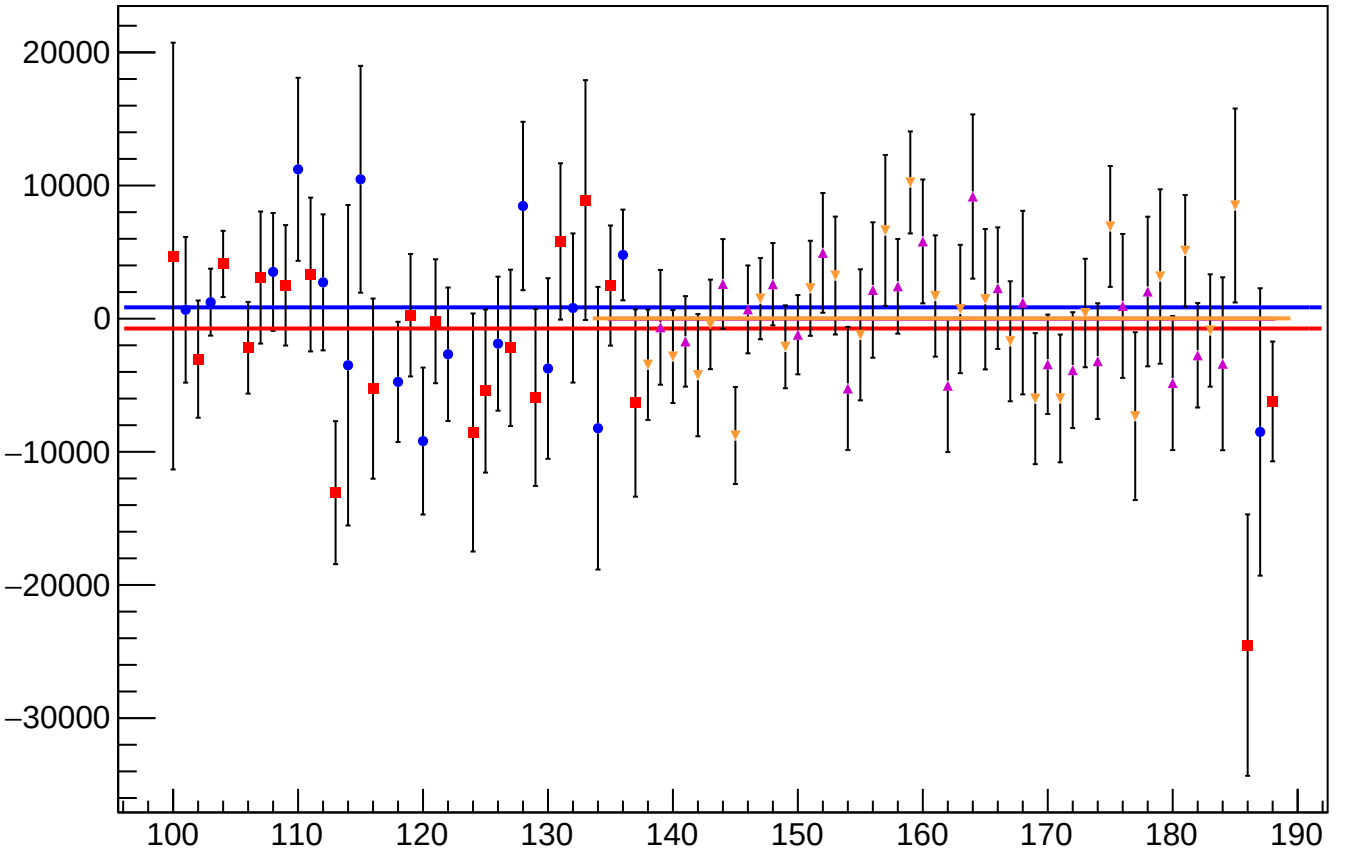
Right Out: 1111.984+/-0.273 χ^2/NDF: 679849.2/20

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1109.808+/-0.153 χ^2/NDF: 954152.4/41

All: 1106.836+/-0.108 χ^2/NDF: 1716246.8/85

- sign 1103.923+/-0.151 χ^2/NDF: 761346.4/43



Right In: 851.159+/-1224.838 χ^2/NDF: 14.6/16

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -737.083+/-1096.242 χ^2/NDF: 24.6/20

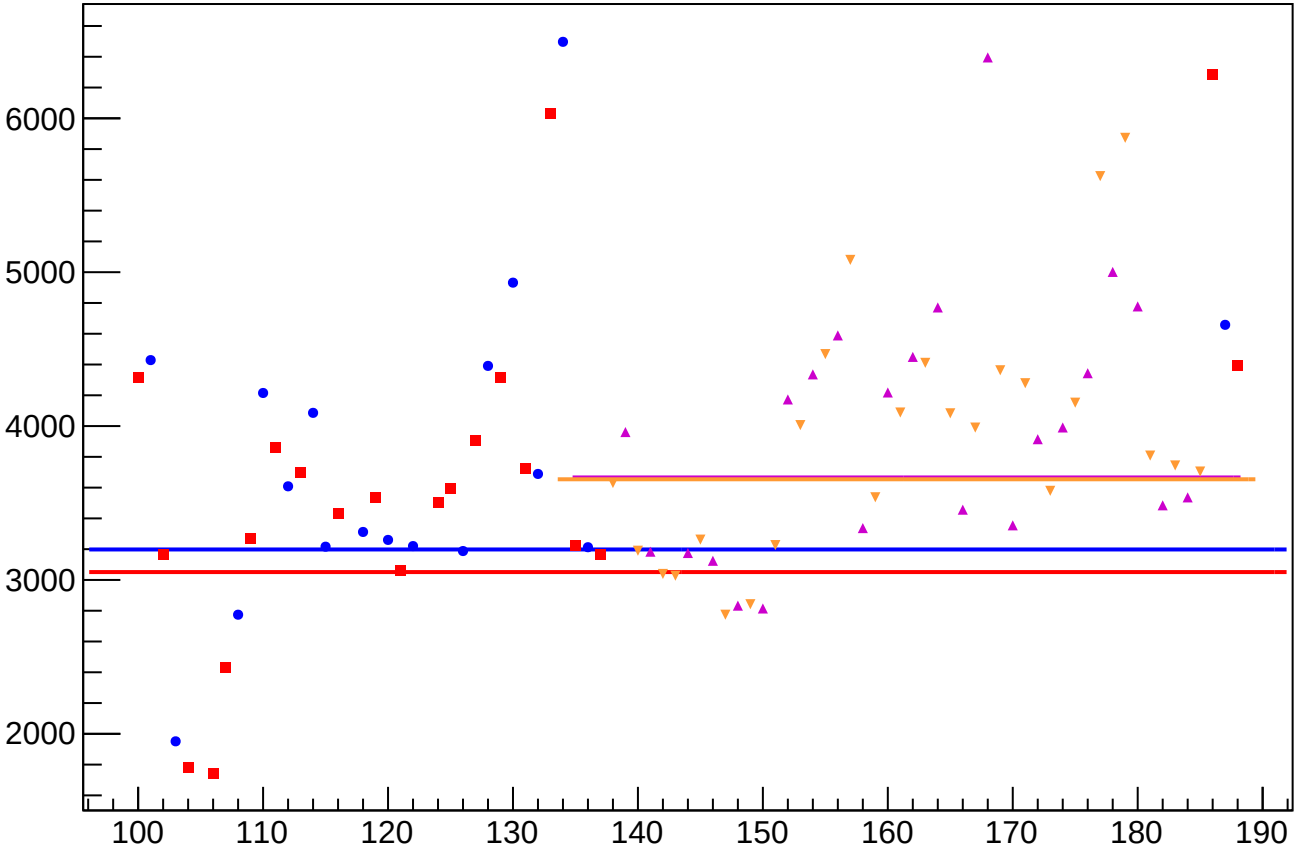
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 292.612+/-698.543 χ^2/NDF: 43.4/41

All: -5.253+/-488.718 χ^2/NDF: 82.6/85

- sign -290.835+/-683.988 χ^2/NDF: 38.9/43

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3198.102+/-0.866 χ^2/NDF: 1128307.7/16

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3051.203+/-0.775 χ^2/NDF: 1734998.0/20

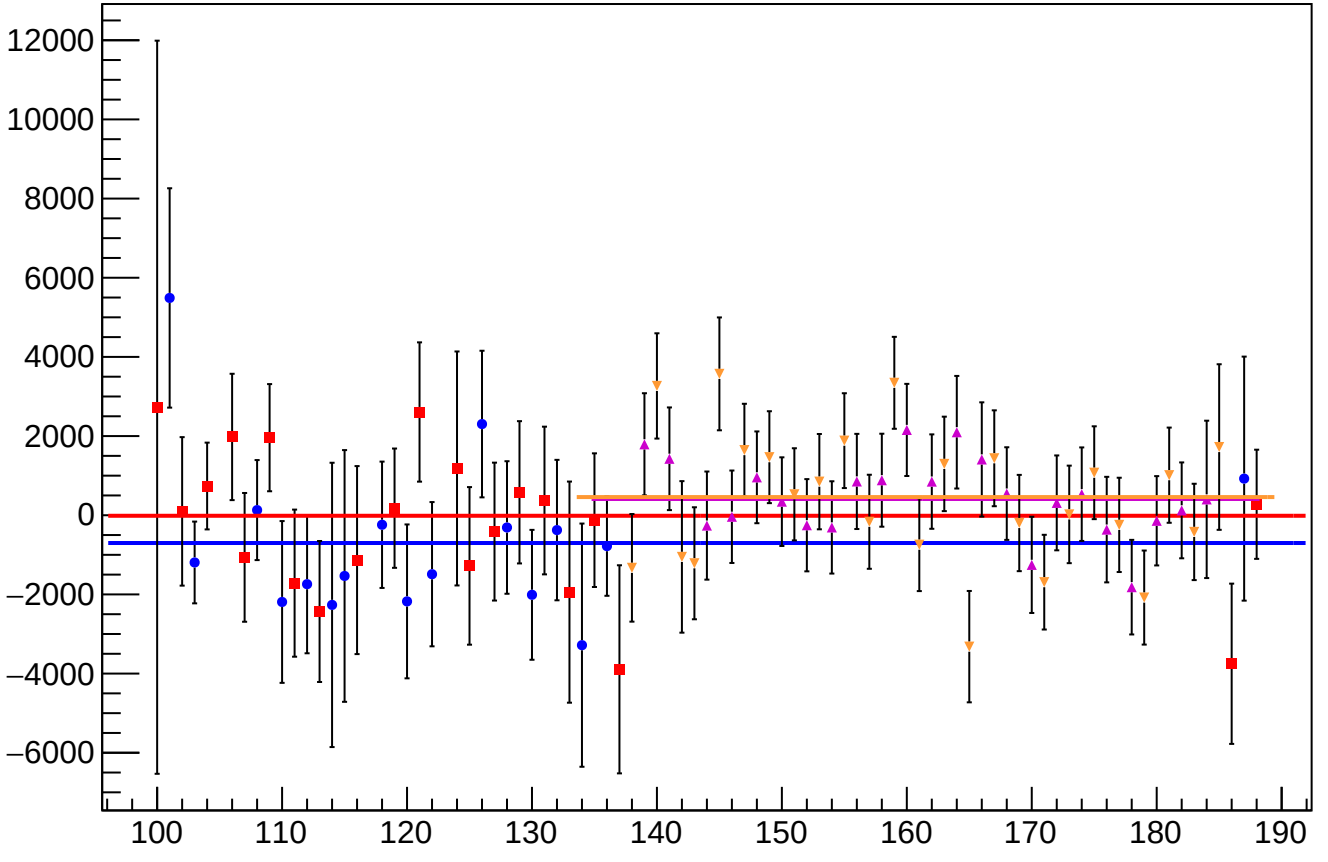
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3505.847+/-0.494 χ^2/NDF: 2627195.3/41

All: 3465.455+/-0.346 χ^2/NDF: 6103302.1/85

- sign 3426.729+/-0.484 χ^2/NDF: 3463008.8/43

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -701.415+/-423.335 χ^2/NDF: 12.0/16

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -13.295+/-386.994 χ^2/NDF: 16.7/20

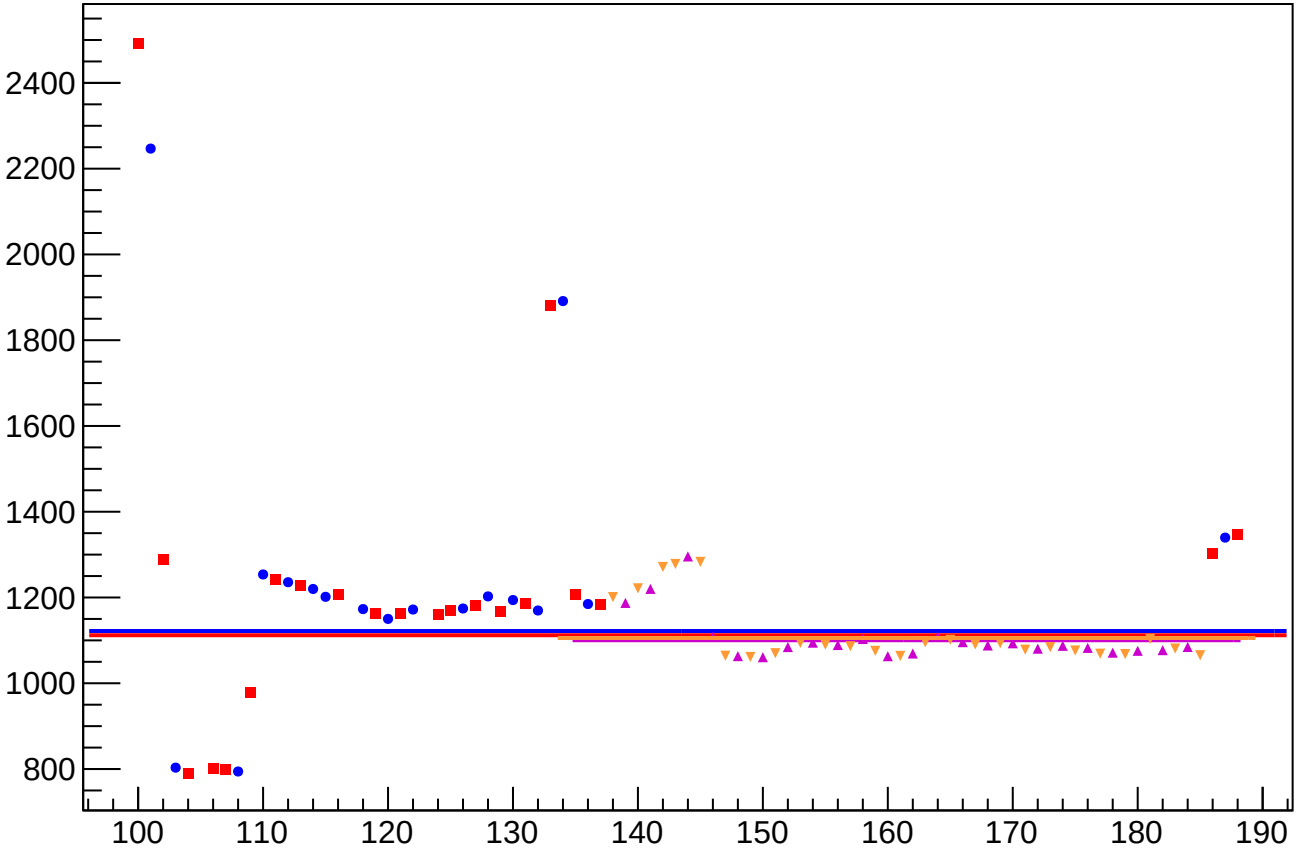
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 156.097+/-216.245 χ^2/NDF: 59.6/41

All: 219.200+/-152.183 χ^2/NDF: 91.0/85

- sign 281.119+/-214.207 χ^2/NDF: 31.2/43

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1121.871+/-0.299 χ^2/NDF: 830005.2/16

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

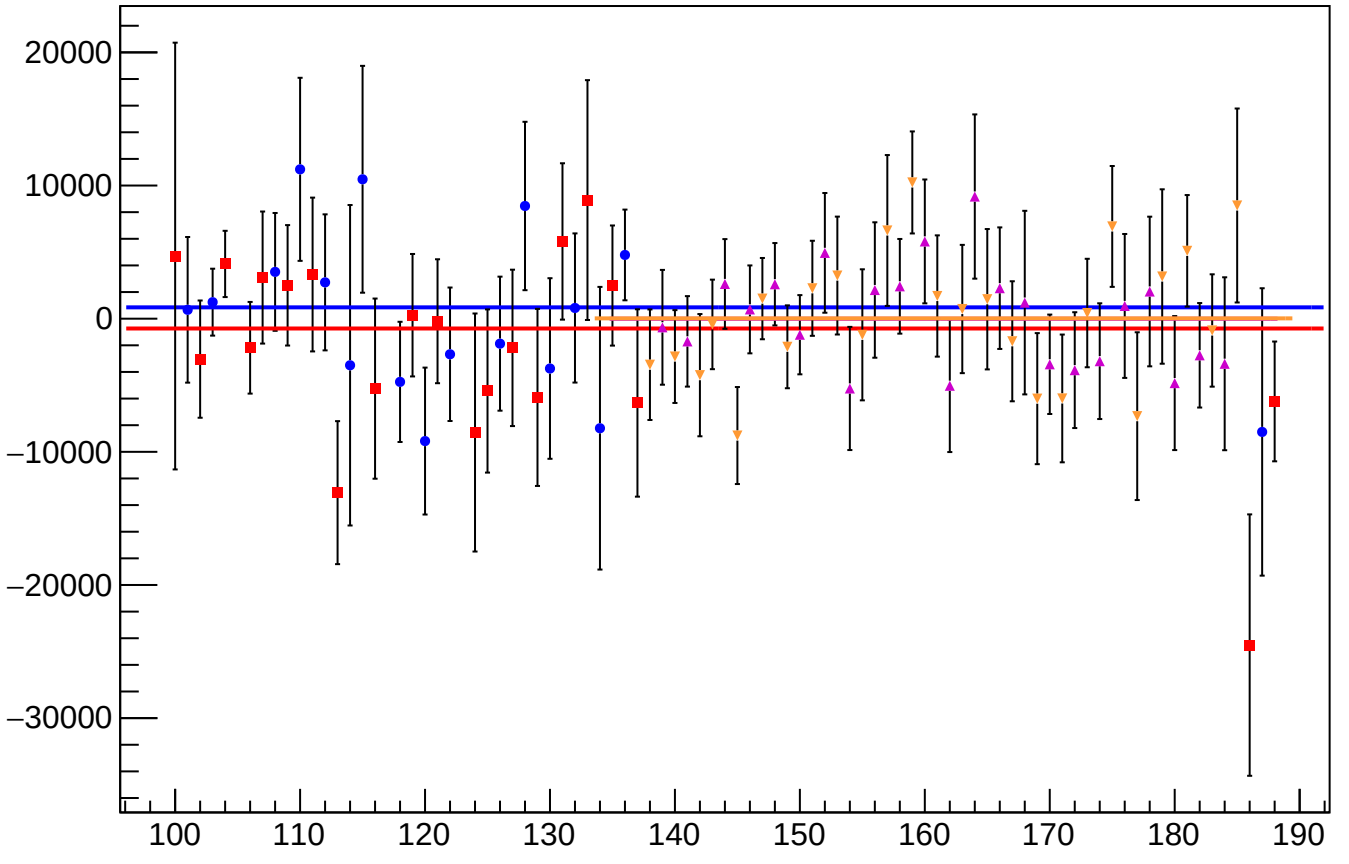
Right Out: 1111.984+/-0.273 χ^2/NDF: 679849.2/20

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1109.808+/-0.153 χ^2/NDF: 954152.4/41

All: 1106.836+/-0.108 χ^2/NDF: 1716246.8/85

- sign 1103.923+/-0.151 χ^2/NDF: 761346.4/43



Right In: 851.159+/-1224.838 χ^2/NDF: 14.6/16

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

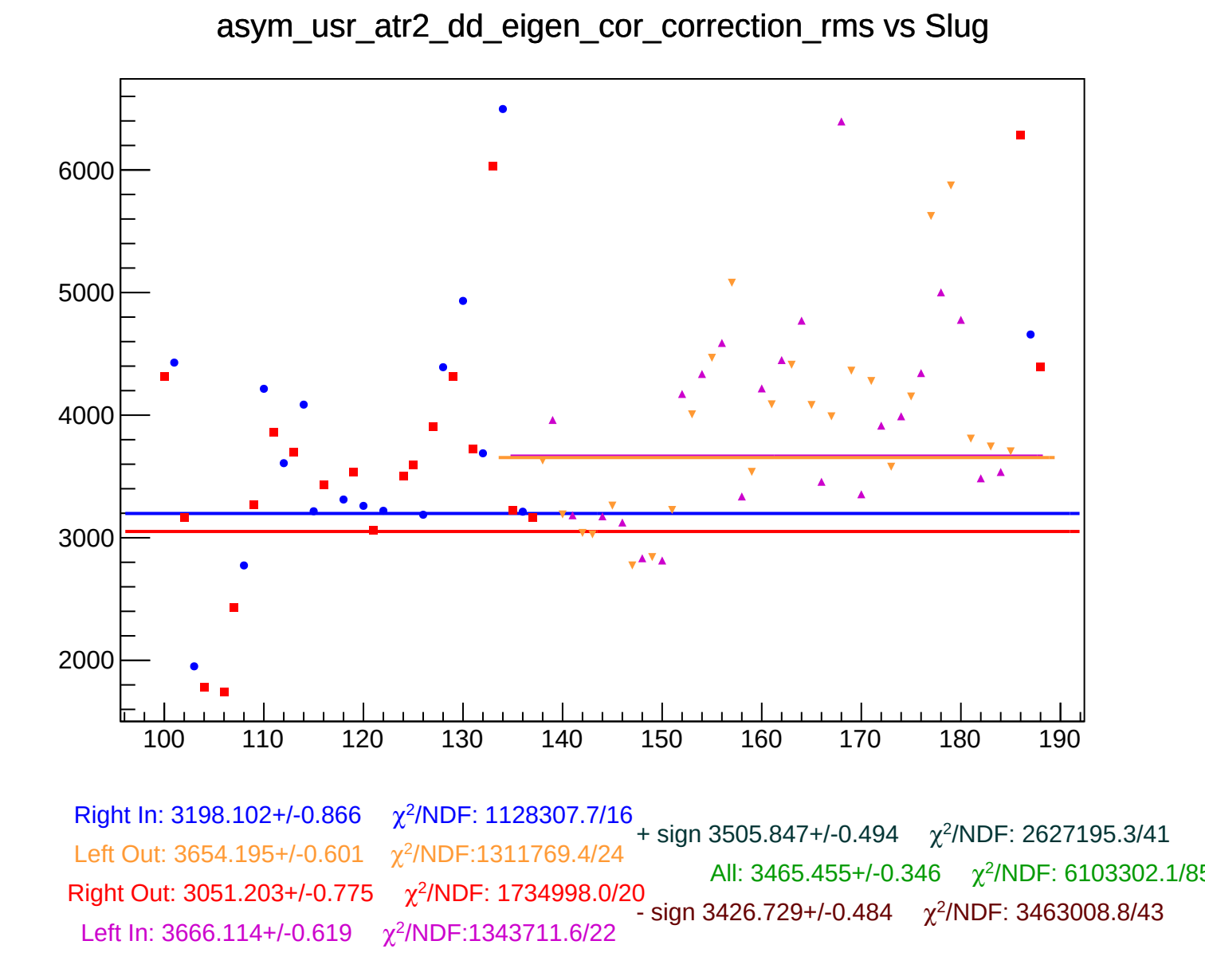
Right Out: -737.083+/-1096.242 χ^2/NDF: 24.6/20

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

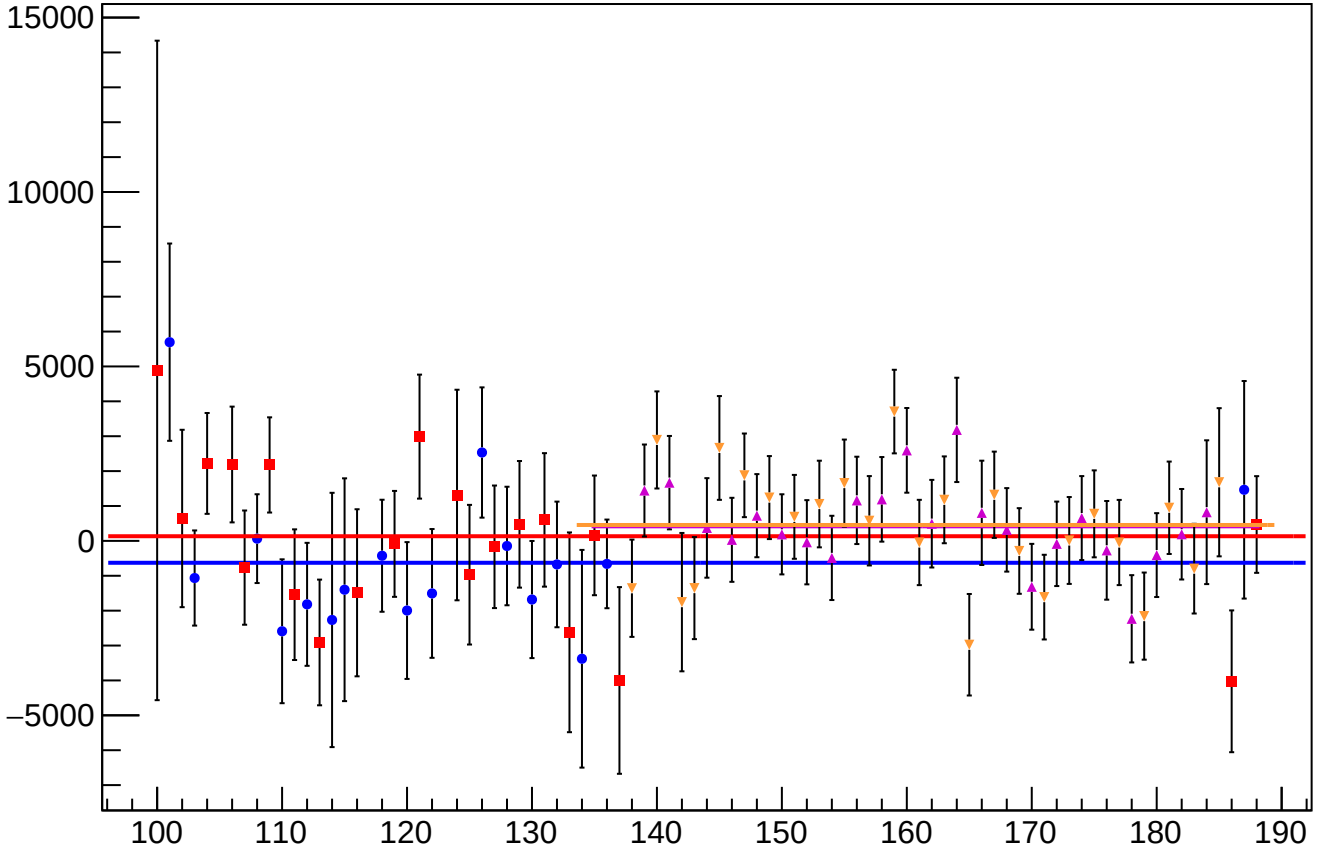
+ sign 292.612+/-698.543 χ^2/NDF: 43.4/41

All: -5.253+/-488.718 χ^2/NDF: 82.6/85

- sign -290.835+/-683.988 χ^2/NDF: 38.9/43


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 3198.102+/-0.866 χ²/NDF: 1128307.7/16
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 3051.203+/-0.775 χ²/NDF: 1734998.0/20
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
+ sign 3505.847+/-0.494 χ²/NDF: 2627195.3/41
All: 3465.455+/-0.346 χ²/NDF: 6103302.1/85
- sign 3426.729+/-0.484 χ²/NDF: 3463008.8/43

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -627.541+/-443.931 χ^2/NDF: 12.3/16

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 133.301+/-406.163 χ^2/NDF: 21.3/20

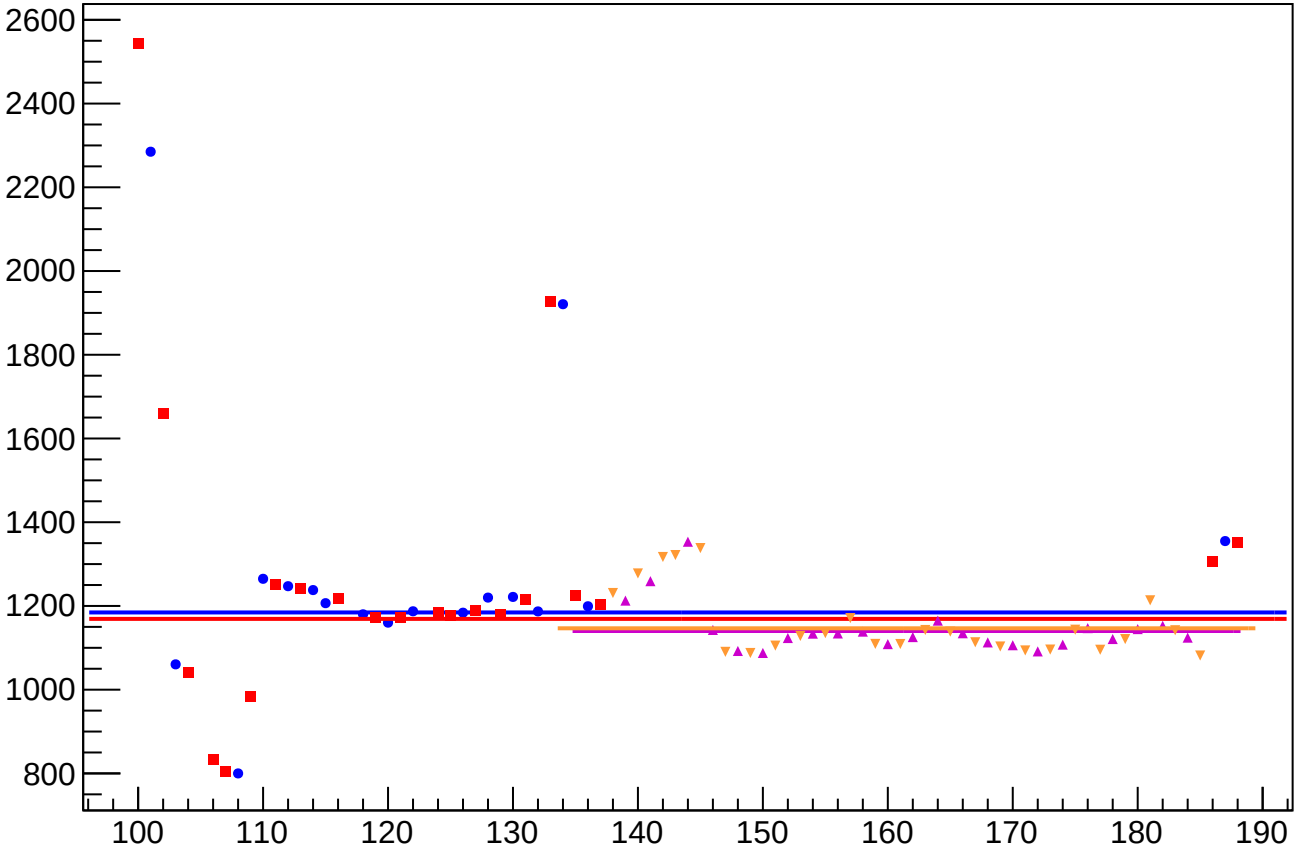
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 177.447+/-224.998 χ^2/NDF: 52.9/41

All: 255.320+/-158.339 χ^2/NDF: 92.1/85

- sign 331.724+/-222.866 χ^2/NDF: 39.0/43

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1184.483+/-0.314 χ^2/NDF: 627982.6/16

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1169.110+/-0.287 χ^2/NDF: 548348.8/20

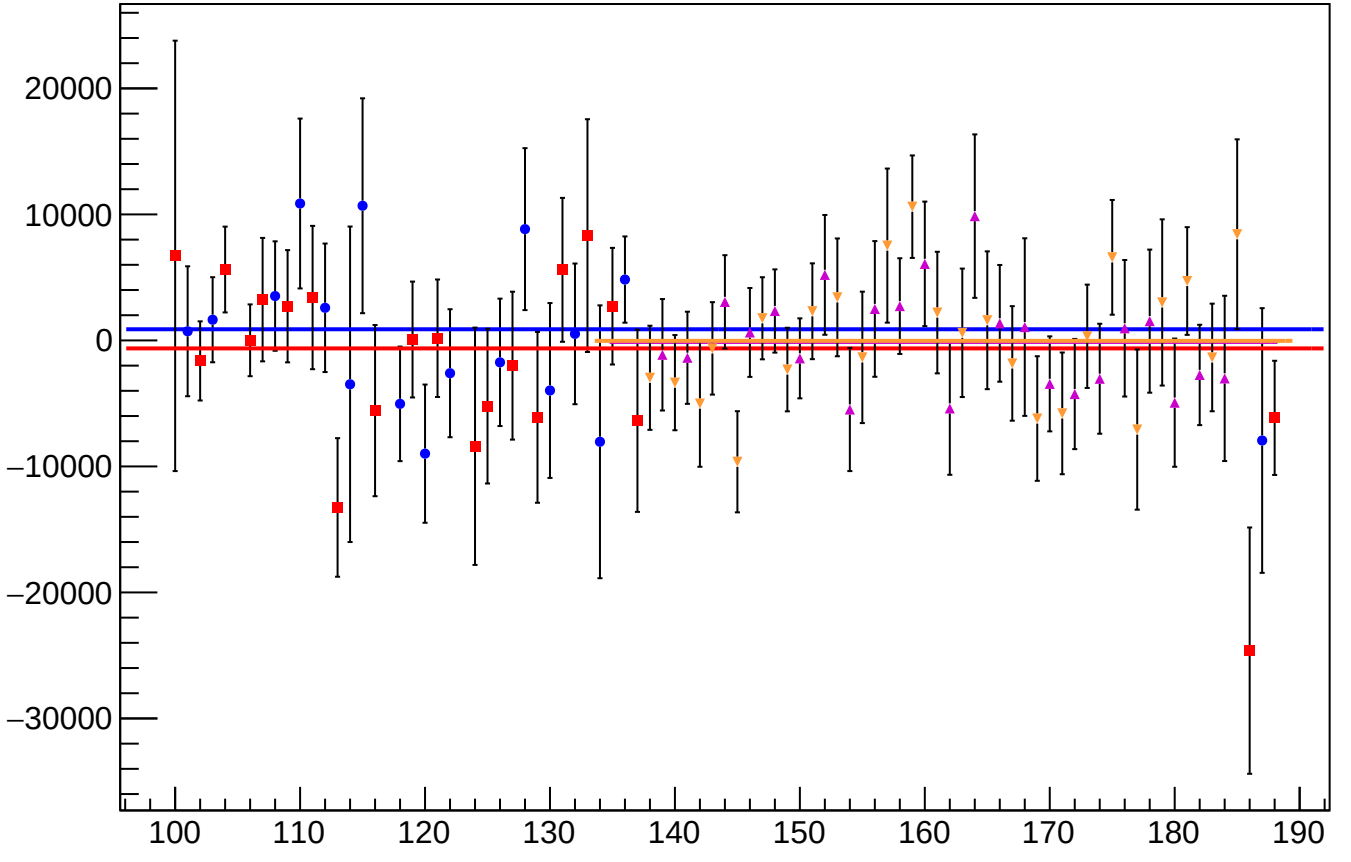
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1156.341+/-0.159 χ^2/NDF: 779813.7/41

All: 1152.578+/-0.112 χ^2/NDF: 1421109.8/85

- sign 1148.887+/-0.158 χ^2/NDF: 640187.7/43

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 885.281+/-1292.530 χ^2/NDF: 14.6/16

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -634.299+/-1090.237 χ^2/NDF: 24.0/20

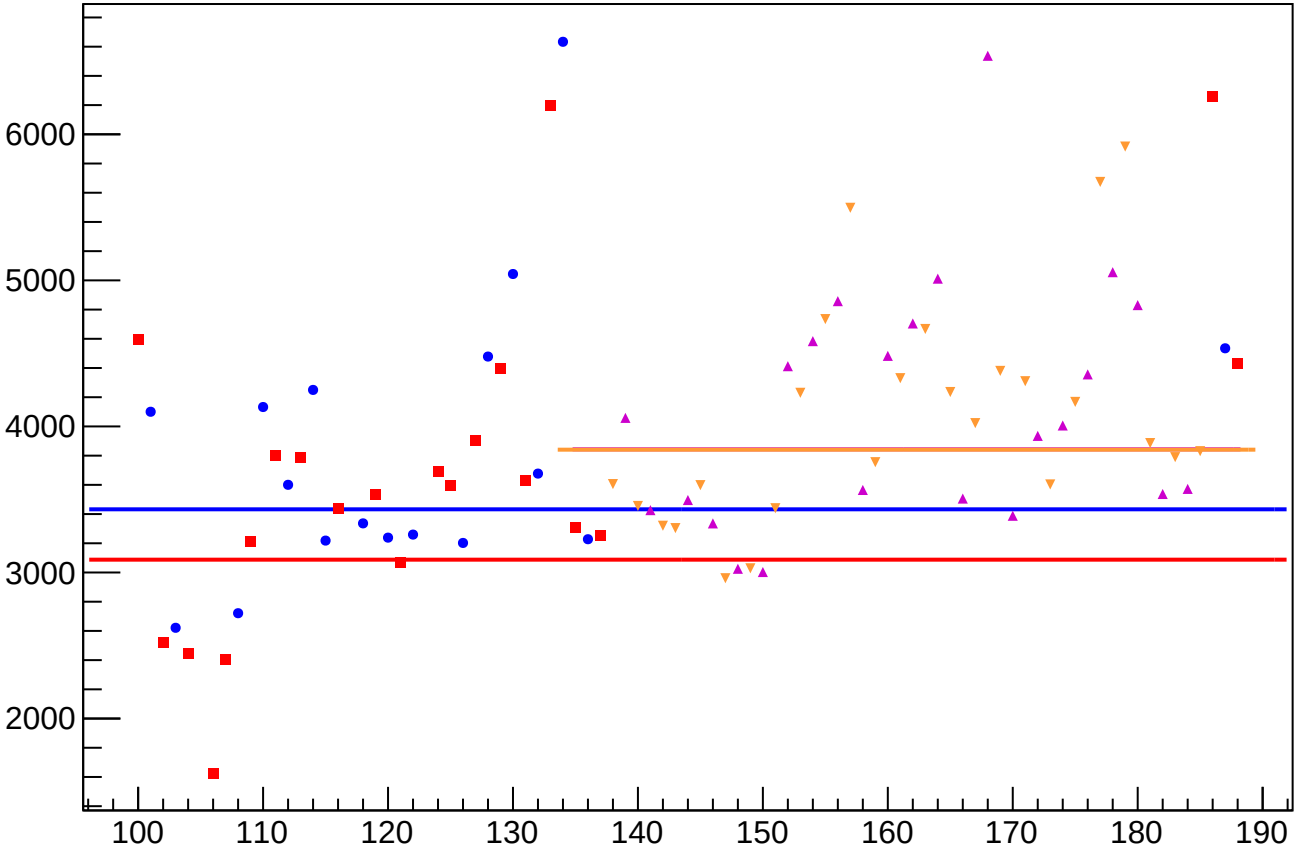
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 262.596+/-733.795 χ^2/NDF: 42.7/41

All: -48.913+/-506.953 χ^2/NDF: 80.9/85

- sign -333.357+/-701.194 χ^2/NDF: 37.9/43

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3432.549+/-0.914 χ^2/NDF: 614720.4/16

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3087.789+/-0.771 χ^2/NDF: 1579665.9/20

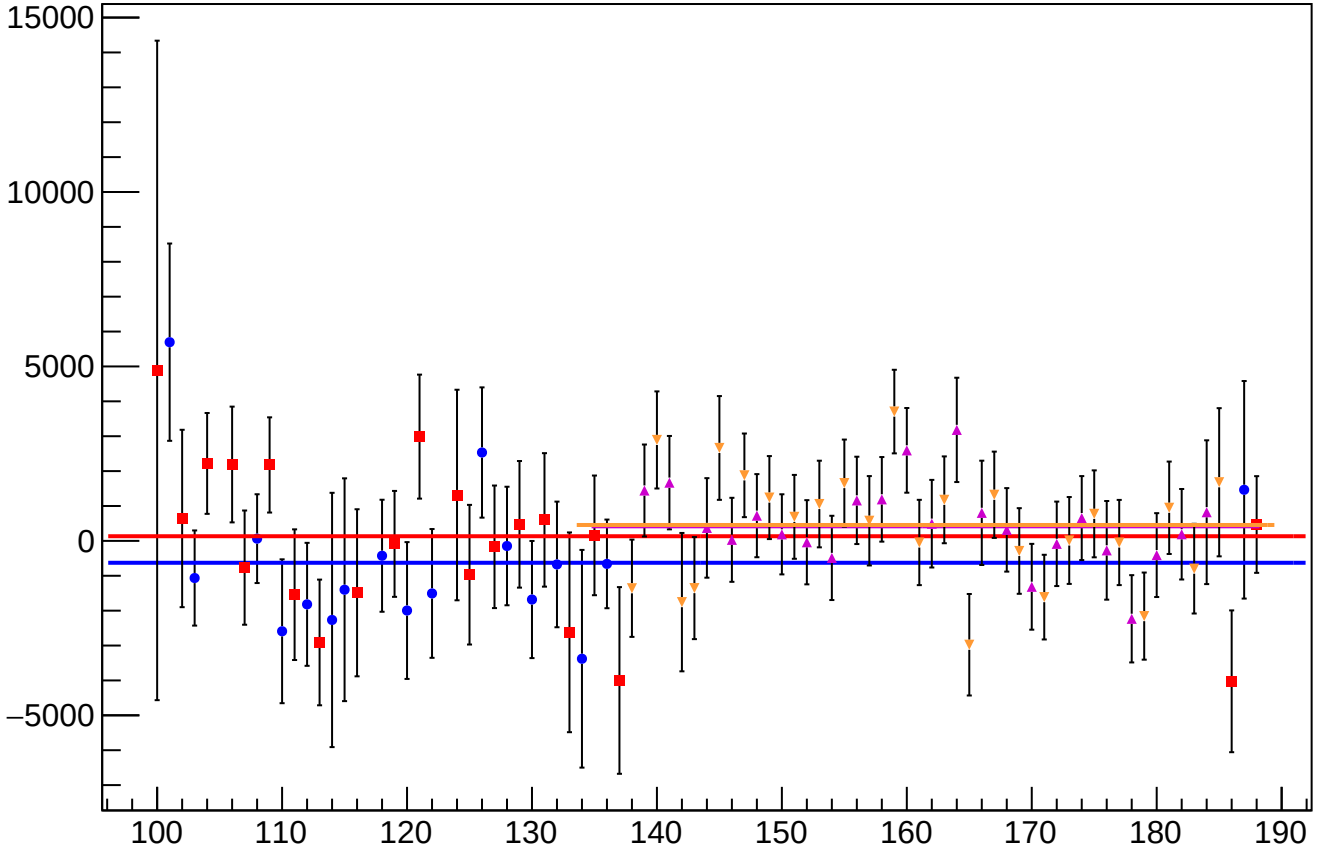
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3709.239+/-0.519 χ^2/NDF: 1868625.6/41

All: 3615.967+/-0.358 χ^2/NDF: 5269363.0/85

- sign 3530.798+/-0.496 χ^2/NDF: 3338918.1/43

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -627.546+/-443.931 χ^2/NDF: 12.3/16

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 133.307+/-406.163 χ^2/NDF: 21.3/20

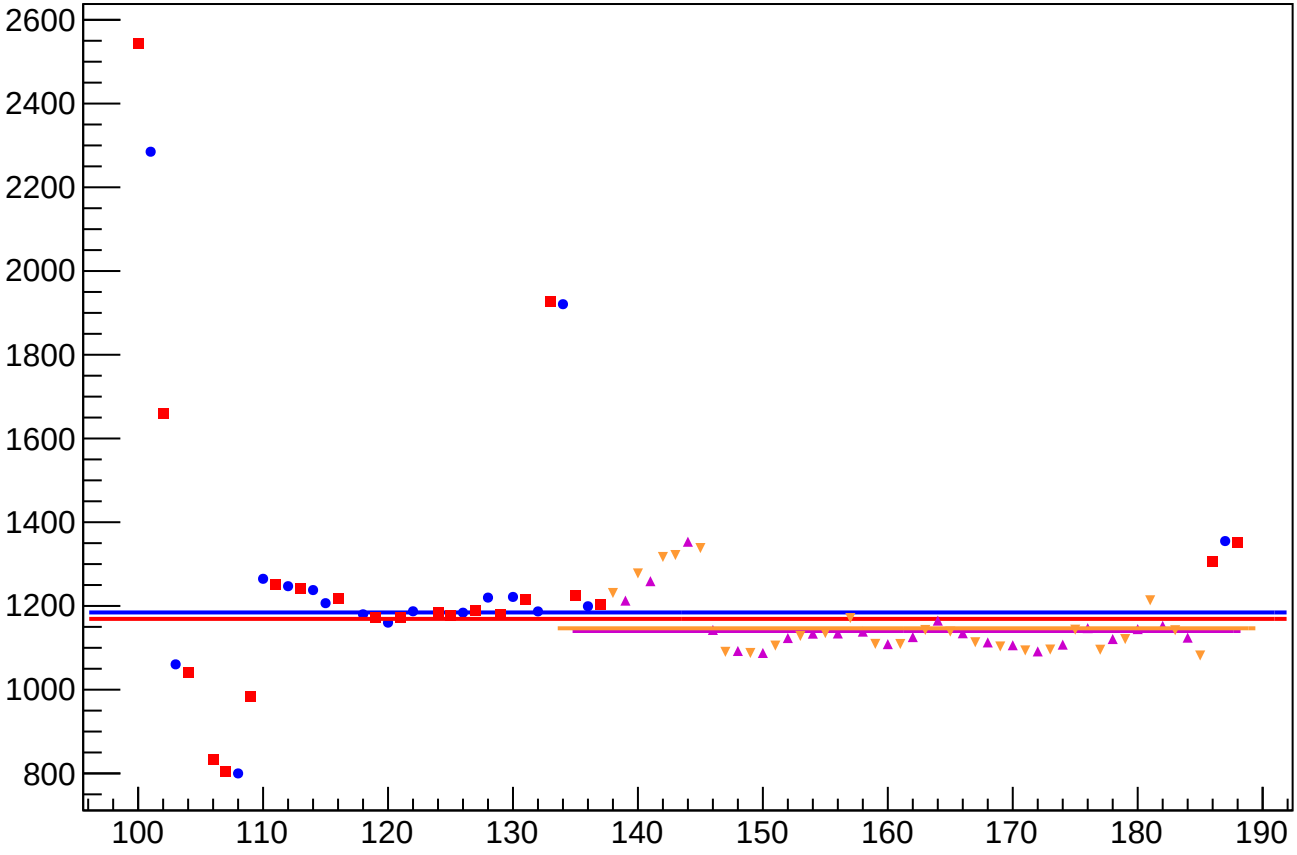
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 177.448+/-224.998 χ^2/NDF: 52.9/41

All: 255.321+/-158.339 χ^2/NDF: 92.1/85

- sign 331.725+/-222.866 χ^2/NDF: 39.0/43

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1184.483+/-0.314 χ^2/NDF: 627982.8/16

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

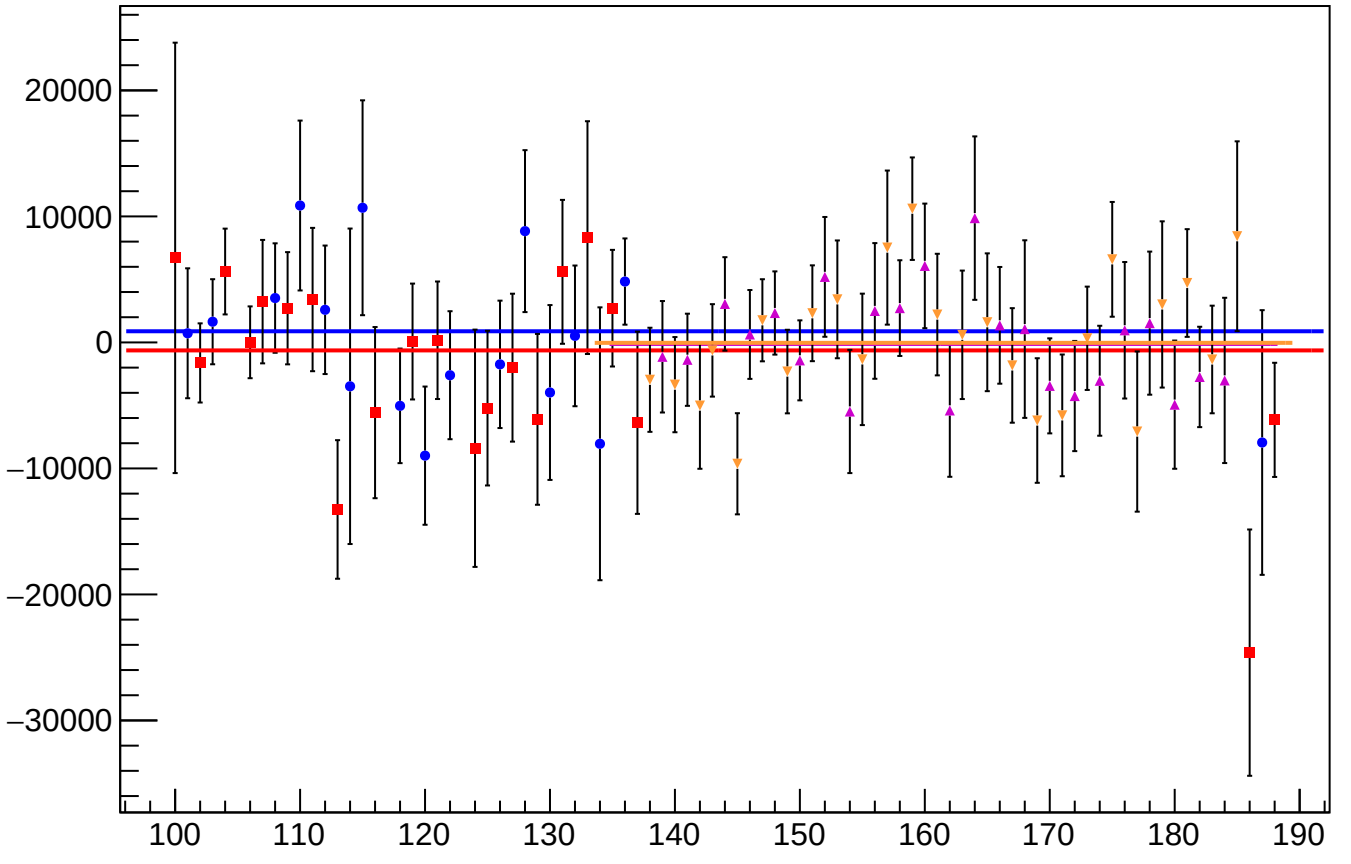
Right Out: 1169.110+/-0.287 χ^2/NDF: 548348.4/20

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1156.342+/-0.159 χ^2/NDF: 779813.5/41

All: 1152.579+/-0.112 χ^2/NDF: 1421108.6/85

- sign 1148.887+/-0.158 χ^2/NDF: 640186.8/43



Right In: 885.264+/-1292.529 χ^2/NDF: 14.6/16

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

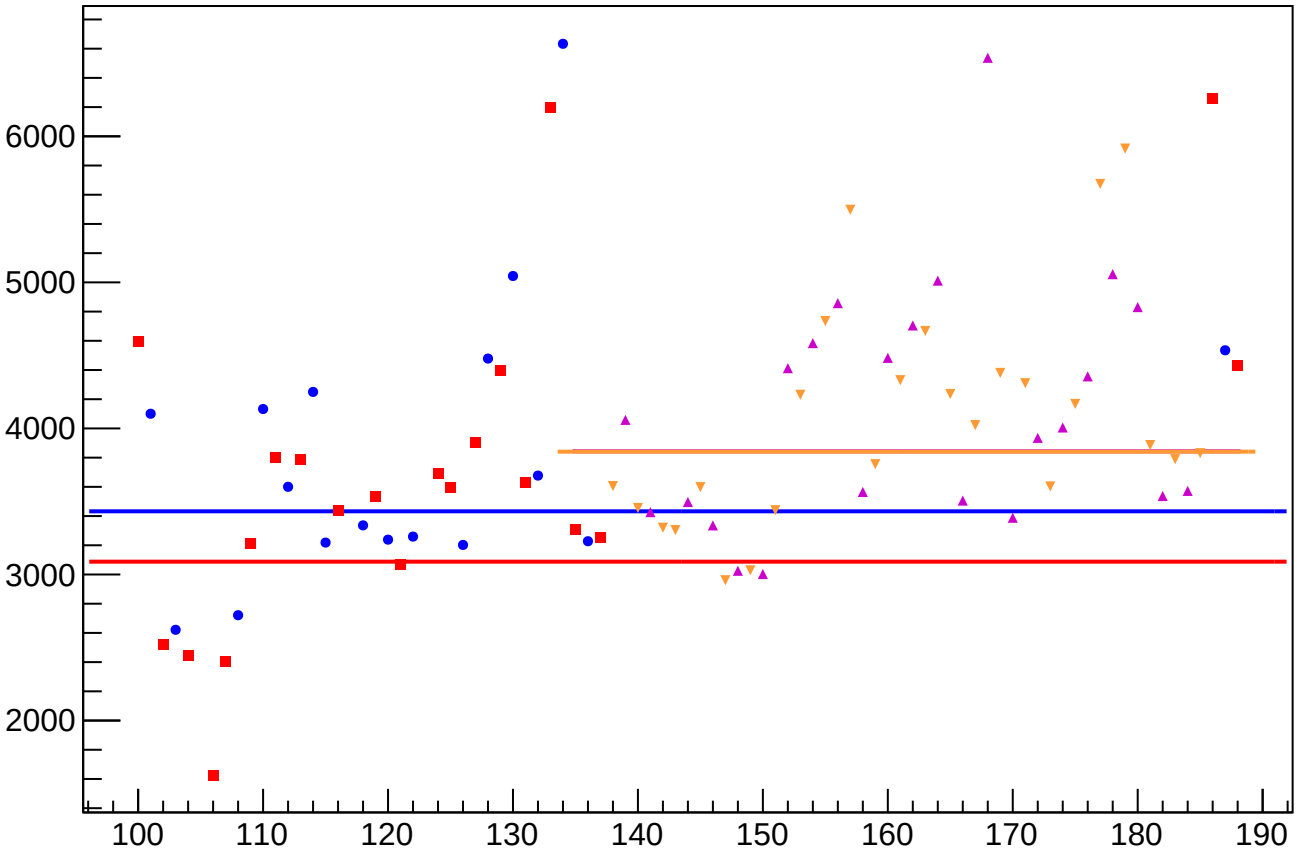
Right Out: -634.291+/-1090.236 χ^2/NDF: 24.0/20

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 262.592+/-733.796 χ^2/NDF: 42.7/41

All: -48.914+/-506.953 χ^2/NDF: 80.9/85

- sign -333.356+/-701.194 χ^2/NDF: 37.9/43



Right In: 3432.546+/-0.914 χ^2/NDF: 614715.9/16

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3087.784+/-0.771 χ^2/NDF: 1579668.3/20

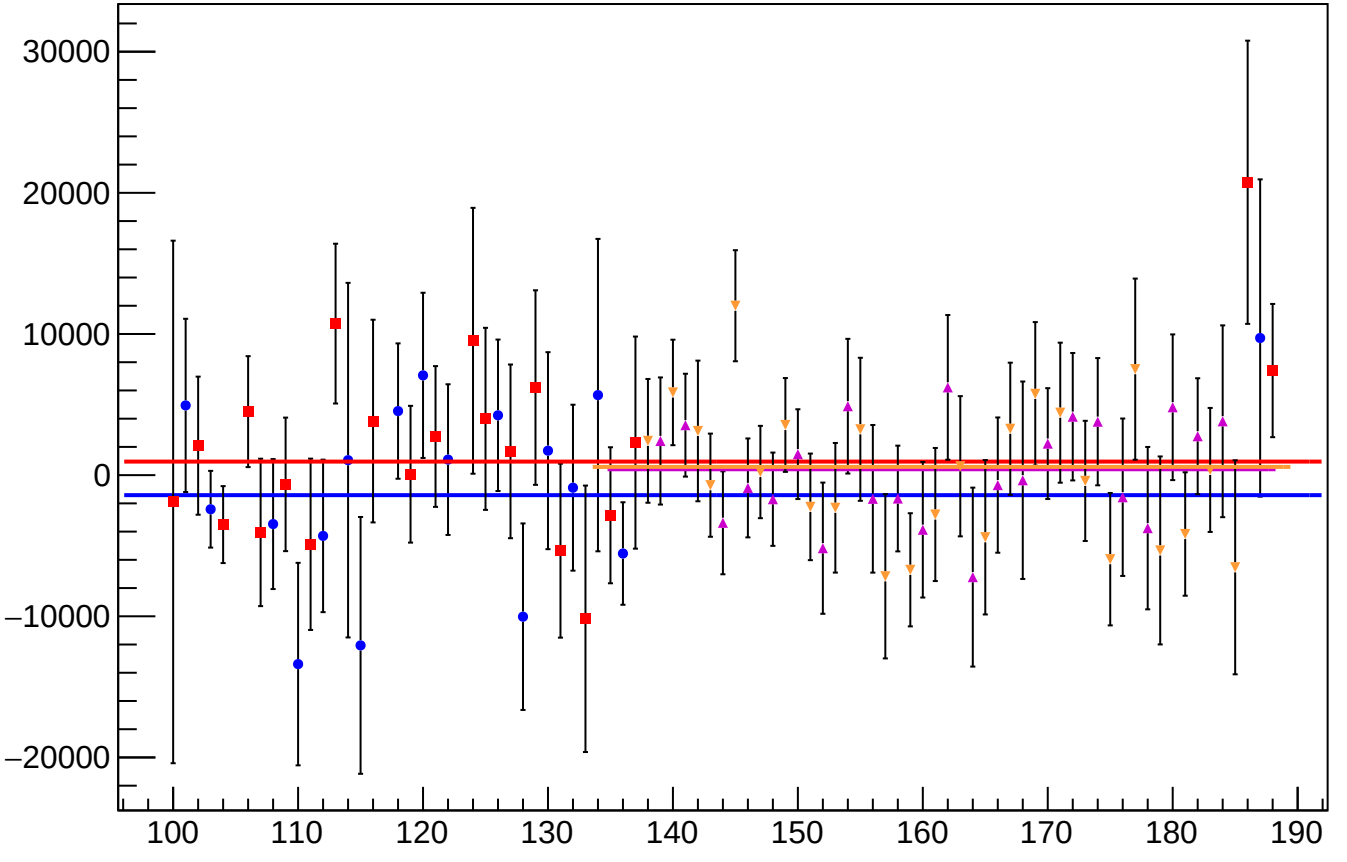
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3709.241+/-0.519 χ^2/NDF: 1868628.6/41

All: 3615.968+/-0.358 χ^2/NDF: 5269388.5/85

- sign 3530.798+/-0.496 χ^2/NDF: 3338939.1/43

asym_usr_atr2_dd_mean vs Slug



Right In: -1417.851+/-1304.068 χ^2/NDF: 15.5/16

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 959.837+/-1176.912 χ^2/NDF: 19.3/20

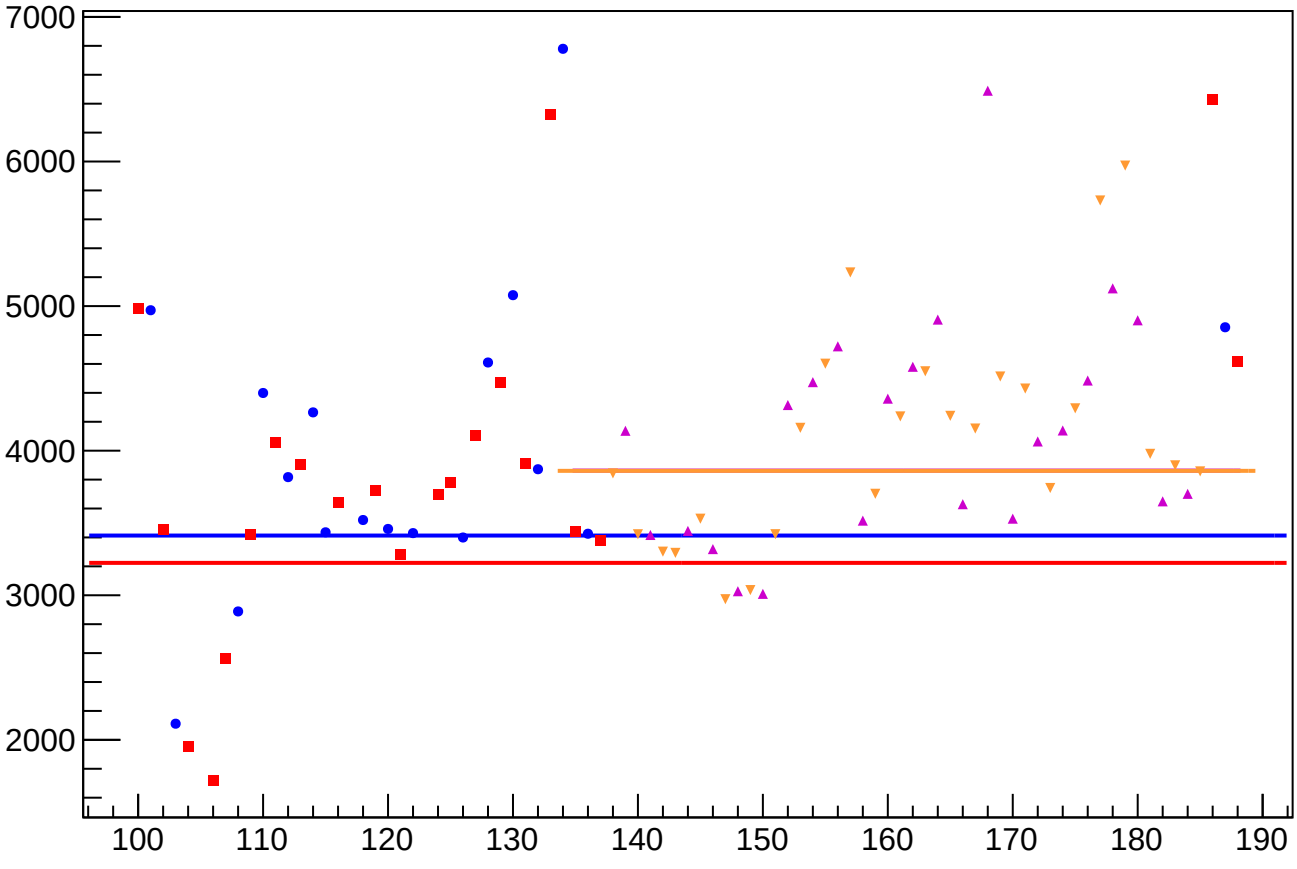
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

\+ sign -57.392+/-737.870 χ^2/NDF: 44.5/41

All: 288.845+/-516.901 χ^2/NDF: 76.9/85

\- sign 622.496+/-724.335 χ^2/NDF: 31.9/43

asym_usr_atr2_dd_rms vs Slug



Right In: 3413.026+/-0.922 χ^2/NDF: 1082017.8/16

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

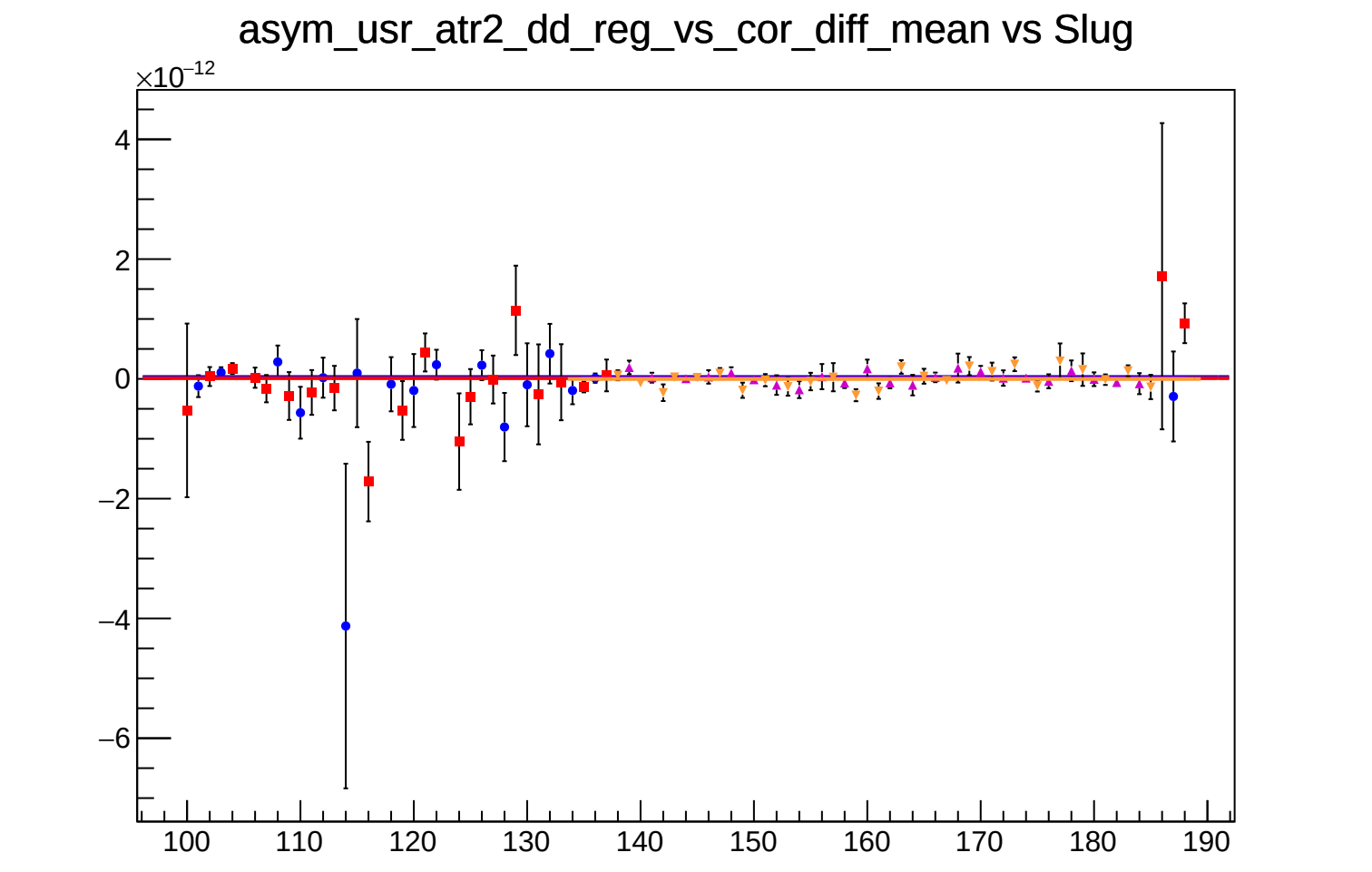
Right Out: 3224.011+/-0.819 χ^2/NDF: 1732121.1/20

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3717.264+/-0.522 χ^2/NDF: 2339430.2/41

All: 3665.310+/-0.364 χ^2/NDF: 5605698.2/85

- sign 3615.839+/-0.509 χ^2/NDF: 3246910.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 12.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/20

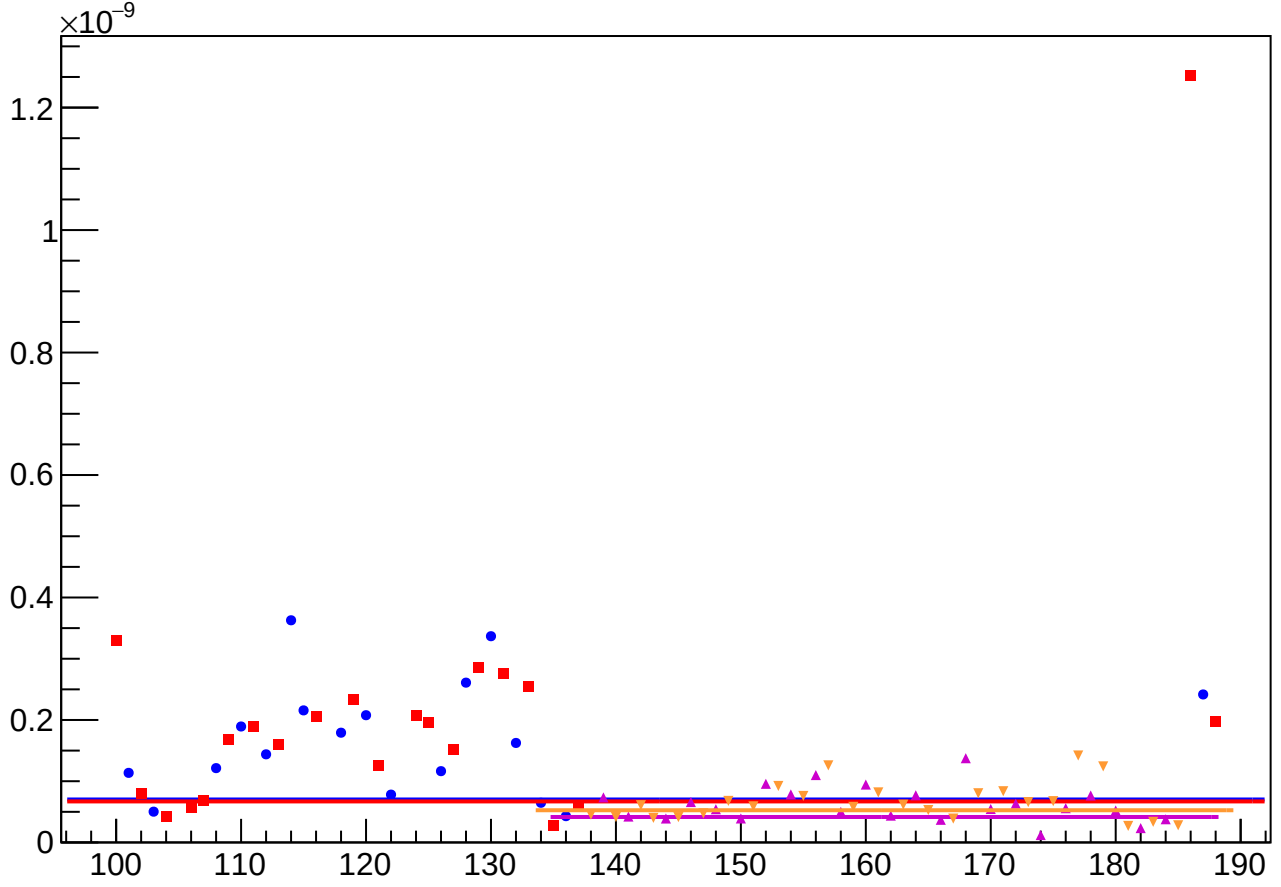
Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.7/41

All: 0.000+/-0.000 χ^2/NDF: 89.7/85

- sign 0.000+/-0.000 χ^2/NDF: 43.0/43

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1834193.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3000232.6/20

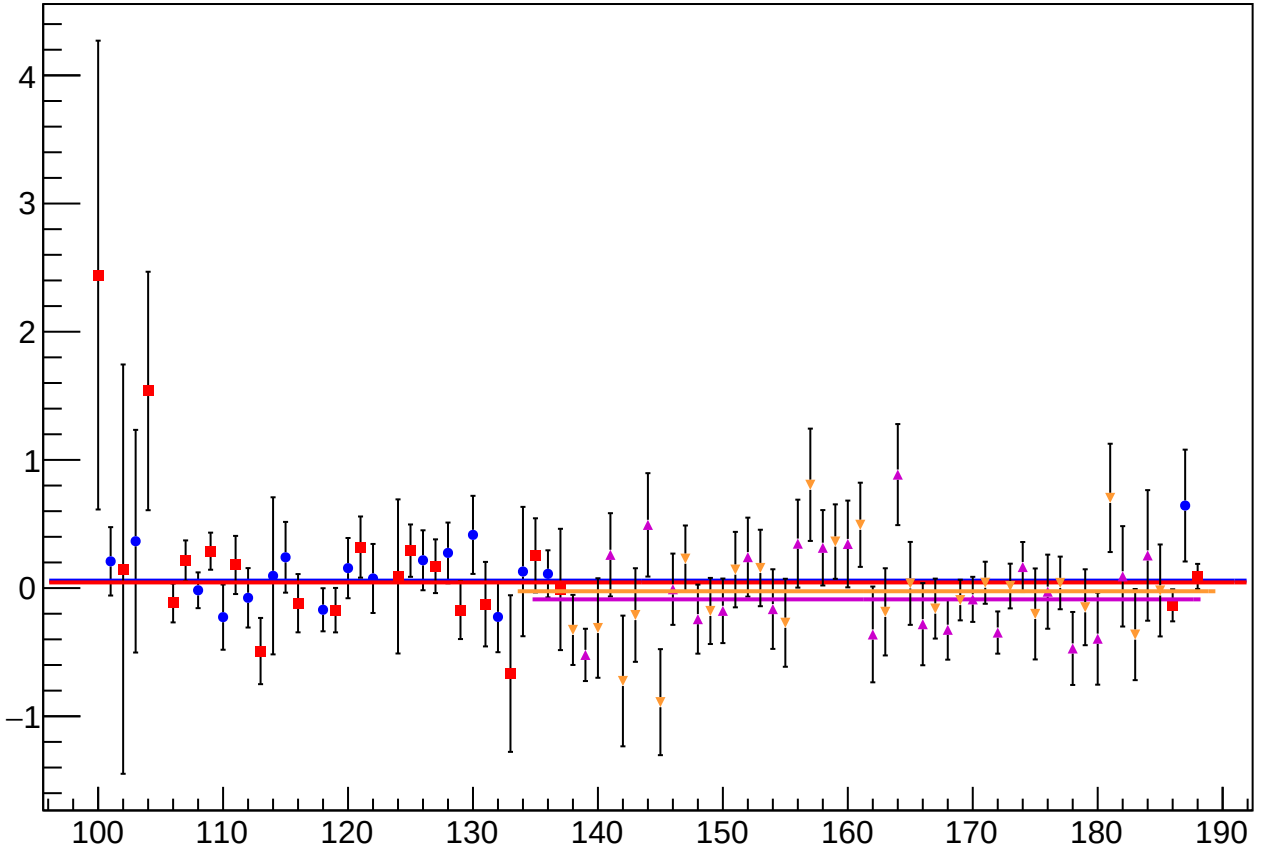
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3662993.3/41

All: 0.000+/-0.000 χ^2/NDF: 10369840.6/85

- sign 0.000+/-0.000 χ^2/NDF: 6404840.6/43

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.044+/-0.045 χ^2/NDF: 24.6/20

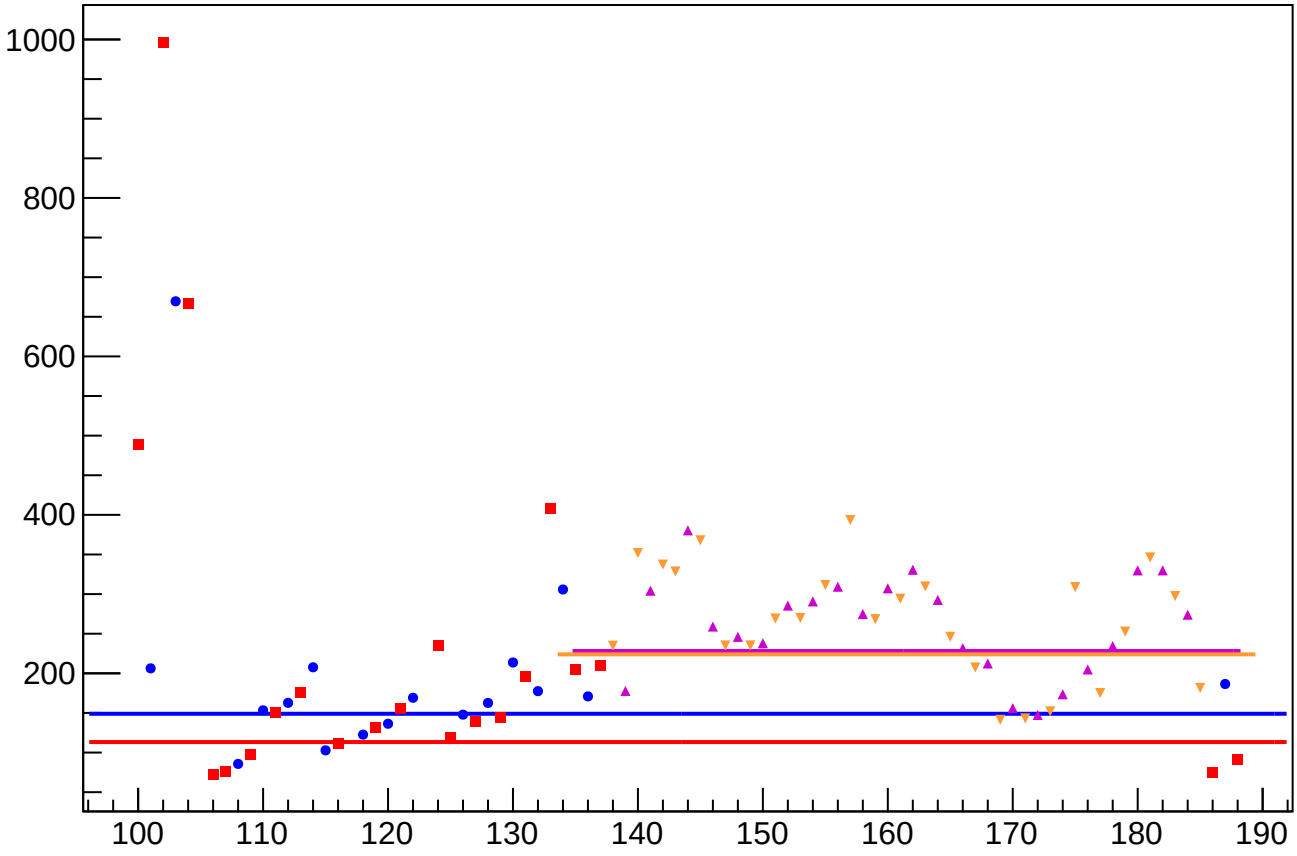
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.013+/-0.040 χ^2/NDF: 35.5/41

All: 0.002+/-0.026 χ^2/NDF: 93.7/85

- sign -0.006+/-0.035 χ^2/NDF: 58.0/43

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 148.952+/-0.042 χ^2/NDF: 1725146.7/16

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

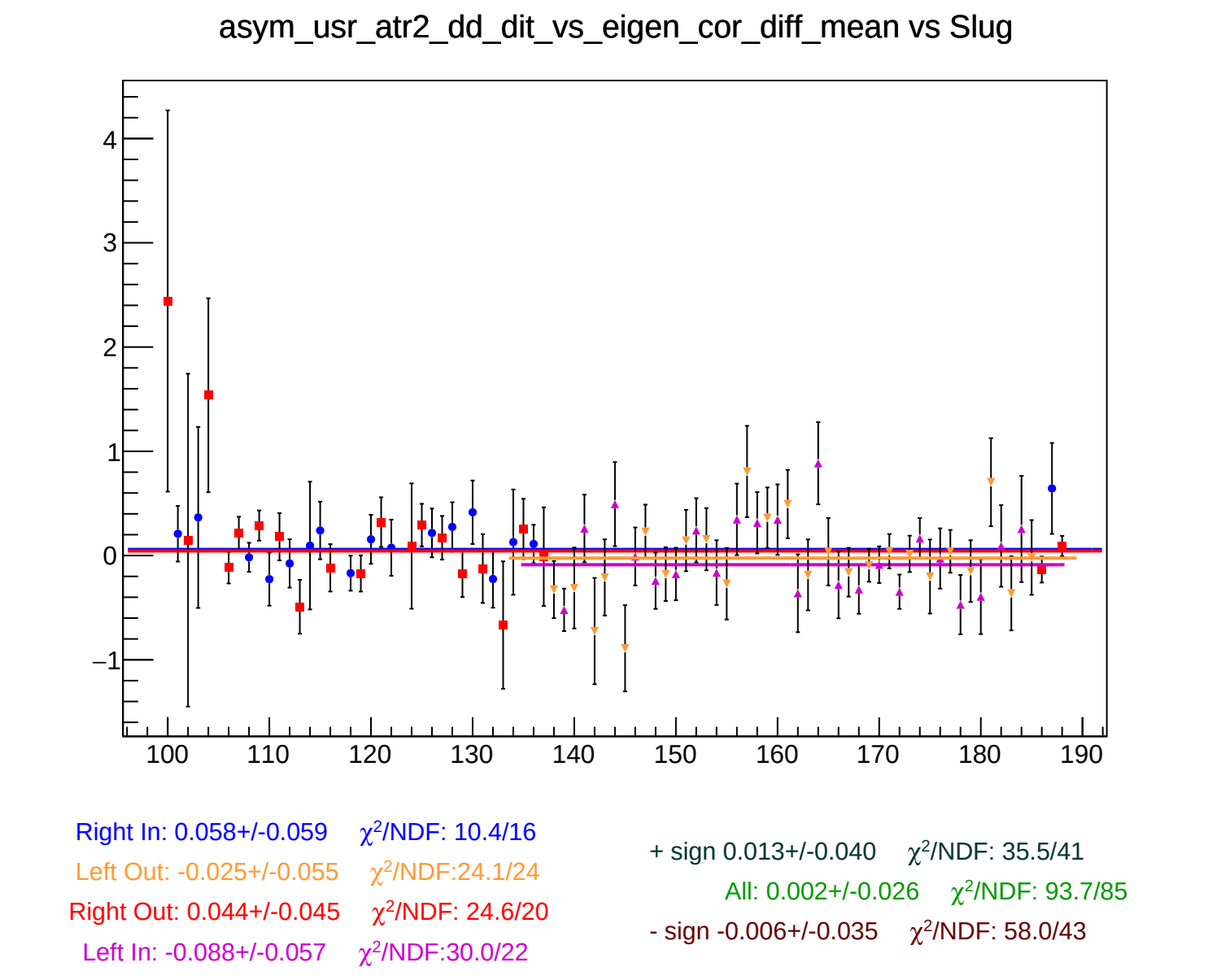
Right Out: 113.268+/-0.032 χ^2/NDF: 3276683.0/20

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

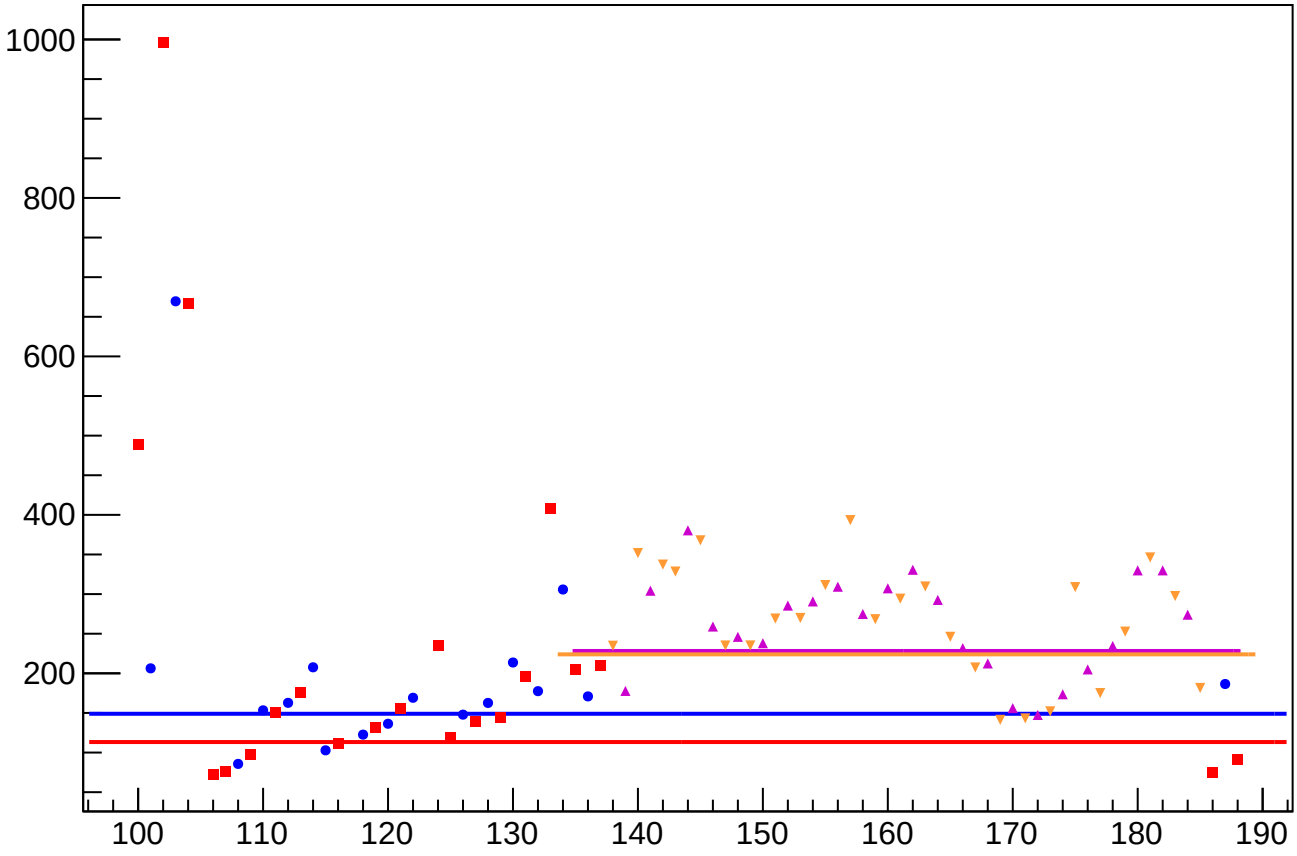
+ sign 189.643+/-0.028 χ^2/NDF: 6889371.2/41

All: 171.198+/-0.019 χ^2/NDF: 18478457.1/85

- sign 157.205+/-0.025 χ^2/NDF: 10849282.4/43


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.058+/-0.059 χ²/NDF: 10.4/16
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.044+/-0.045 χ²/NDF: 24.6/20
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.013+/-0.040 χ²/NDF: 35.5/41
All: 0.002+/-0.026 χ²/NDF: 93.7/85
- sign -0.006+/-0.035 χ²/NDF: 58.0/43

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.952+/-0.042 χ^2/NDF: 1725146.7/16

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

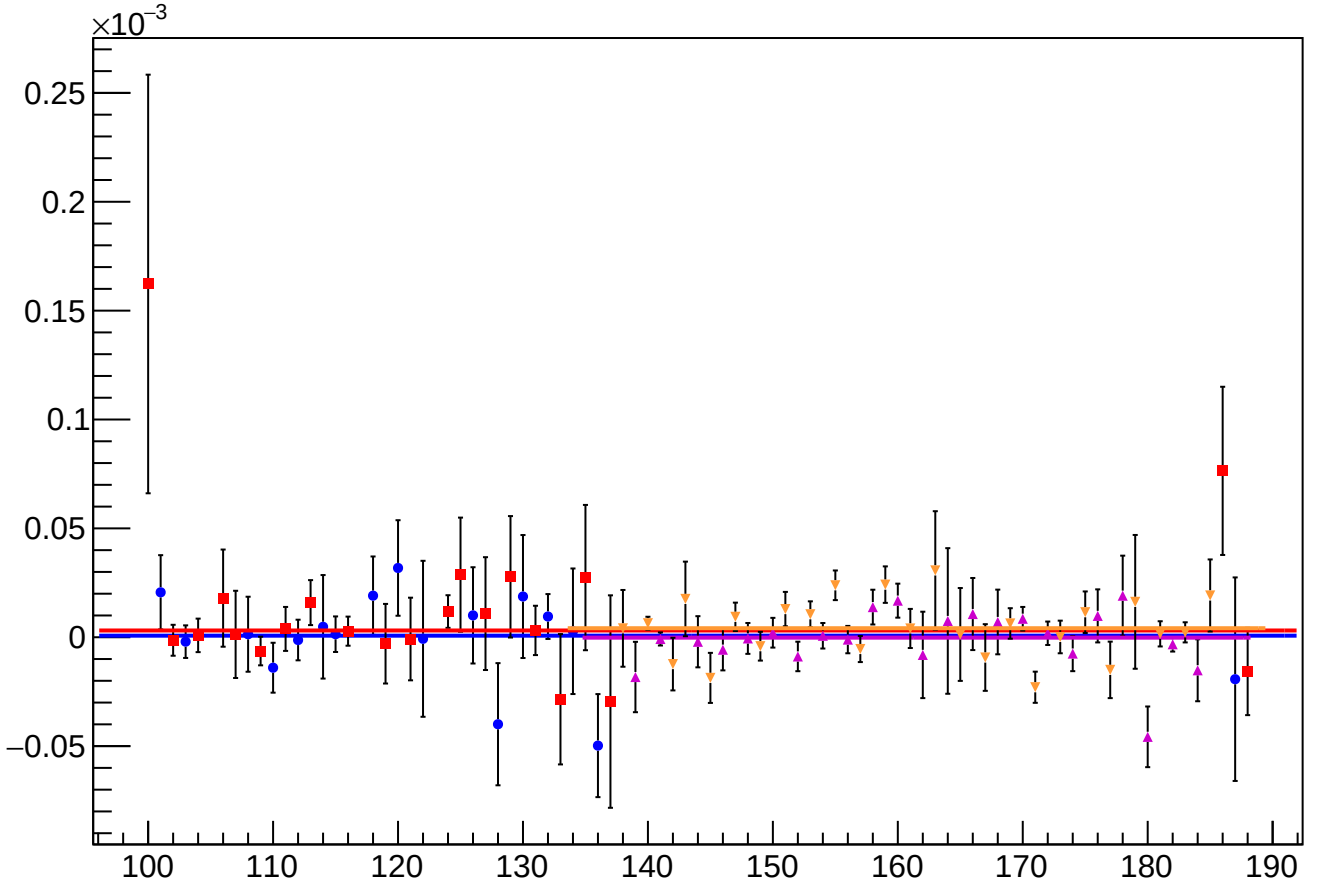
Right Out: 113.268+/-0.032 χ^2/NDF: 3276683.0/20

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.643+/-0.028 χ^2/NDF: 6889371.2/41

All: 171.198+/-0.019 χ^2/NDF: 18478457.1/85

- sign 157.205+/-0.025 χ^2/NDF: 10849282.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

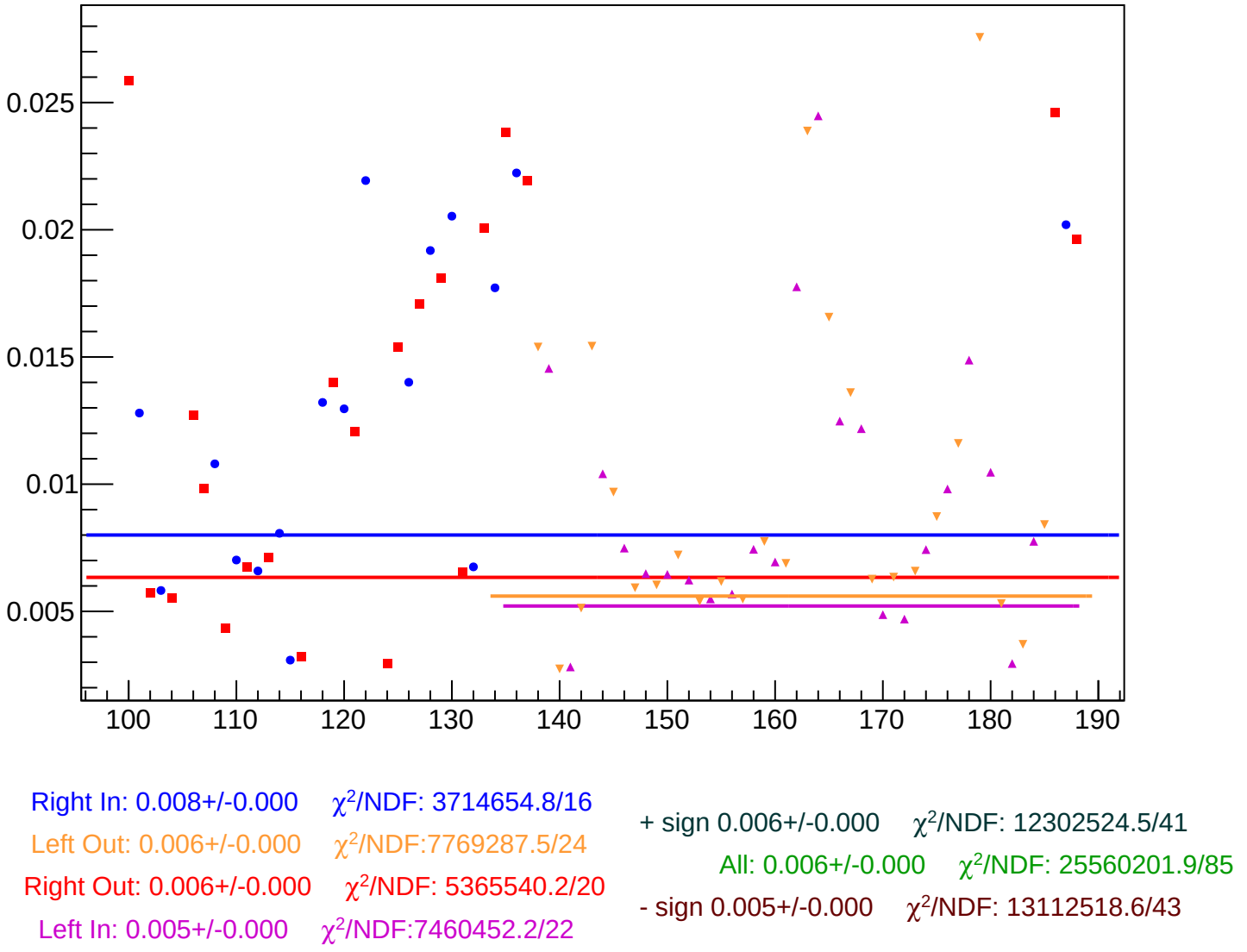
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/20

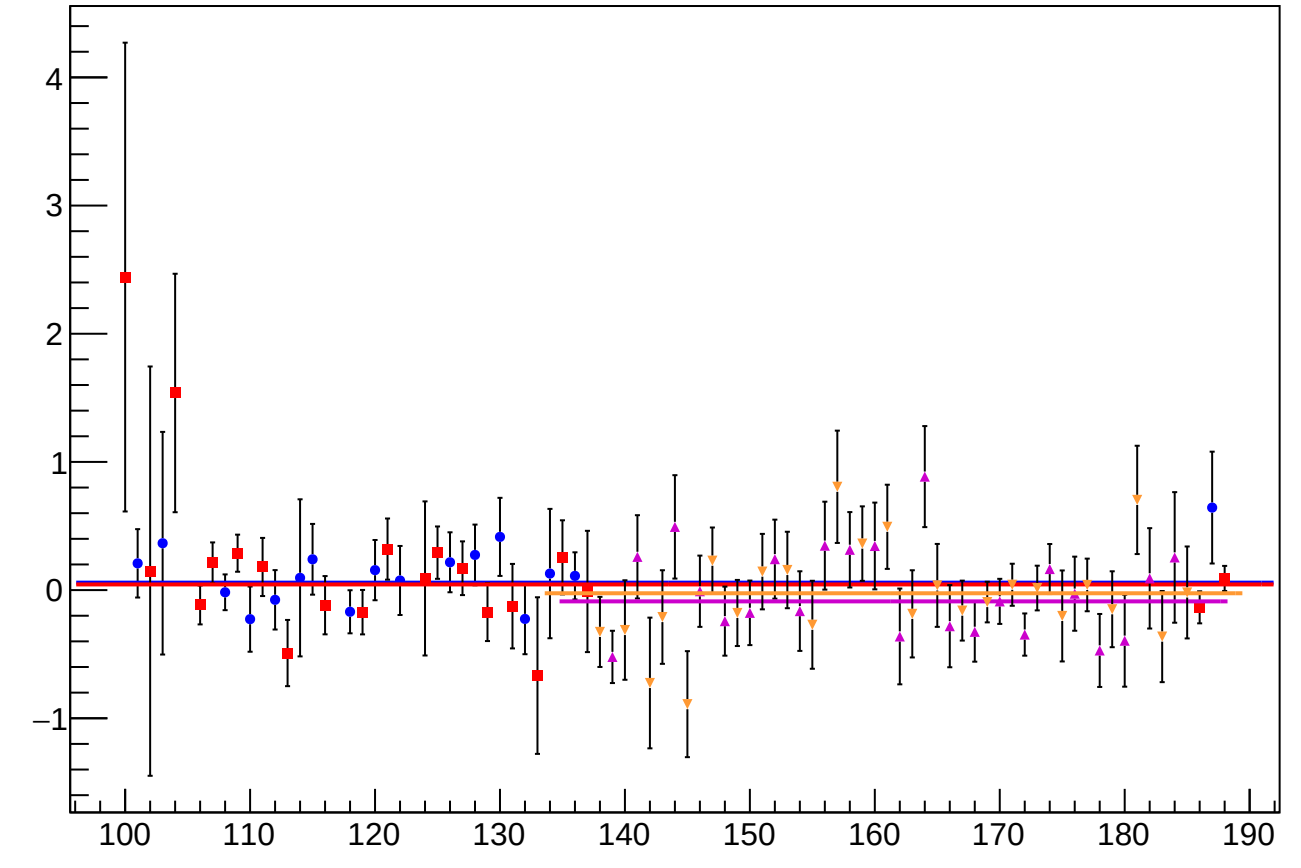
Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.1/41

All: 0.000+/-0.000 χ^2/NDF: 115.3/85

- sign 0.000+/-0.000 χ^2/NDF: 48.5/43


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.000 χ²/NDF: 3714654.8/16
Left Out: 0.006+/-0.000 χ²/NDF:7769287.5/24
Right Out: 0.006+/-0.000 χ²/NDF: 5365540.2/20
Left In: 0.005+/-0.000 χ²/NDF:7460452.2/22
+ sign 0.006+/-0.000 χ²/NDF: 12302524.5/41
All: 0.006+/-0.000 χ²/NDF: 25560201.9/85
- sign 0.005+/-0.000 χ²/NDF: 13112518.6/43



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.044+/-0.045 χ^2/NDF: 24.6/20

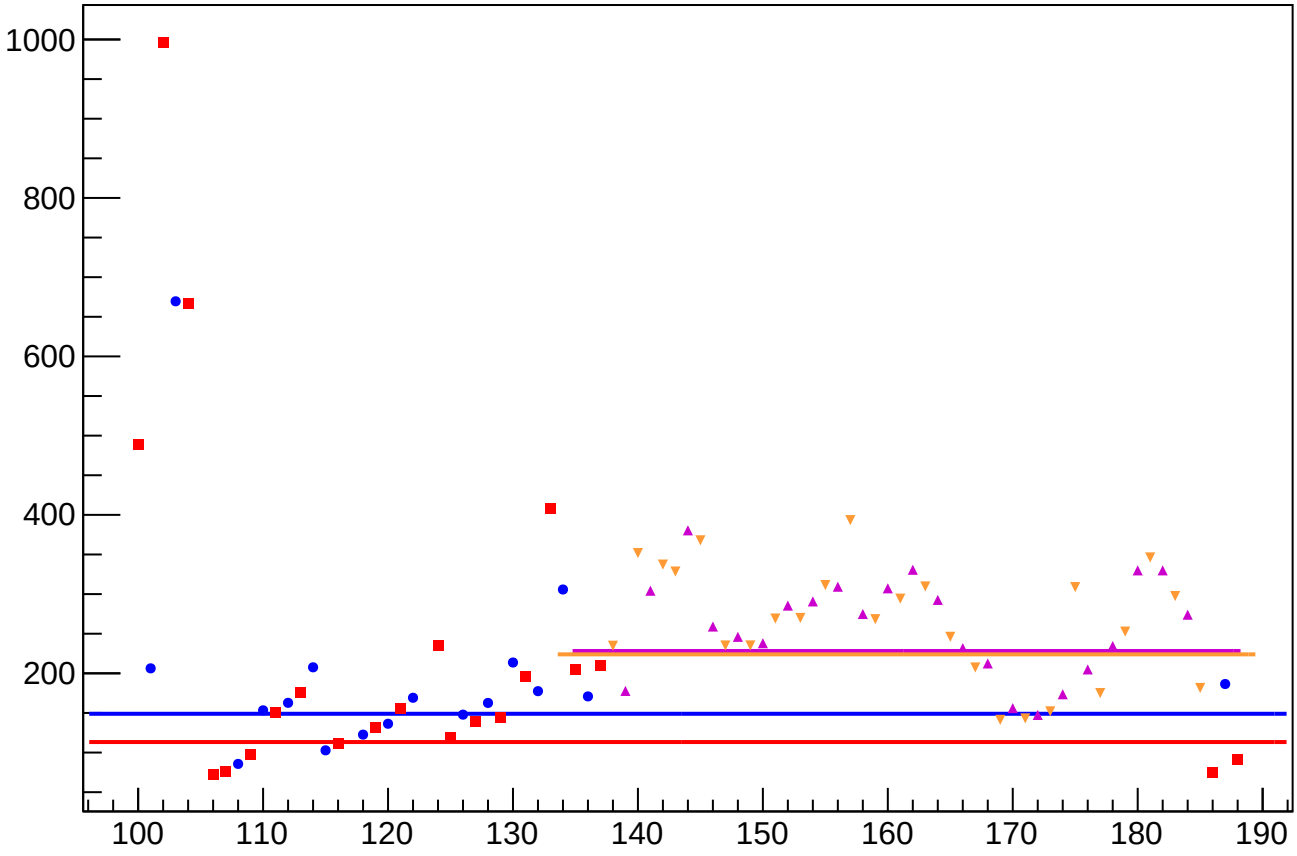
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.013+/-0.040 χ^2/NDF: 35.5/41

All: 0.002+/-0.026 χ^2/NDF: 93.7/85

- sign -0.006+/-0.035 χ^2/NDF: 58.0/43

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.949+/-0.042 χ^2/NDF: 1725219.6/16

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

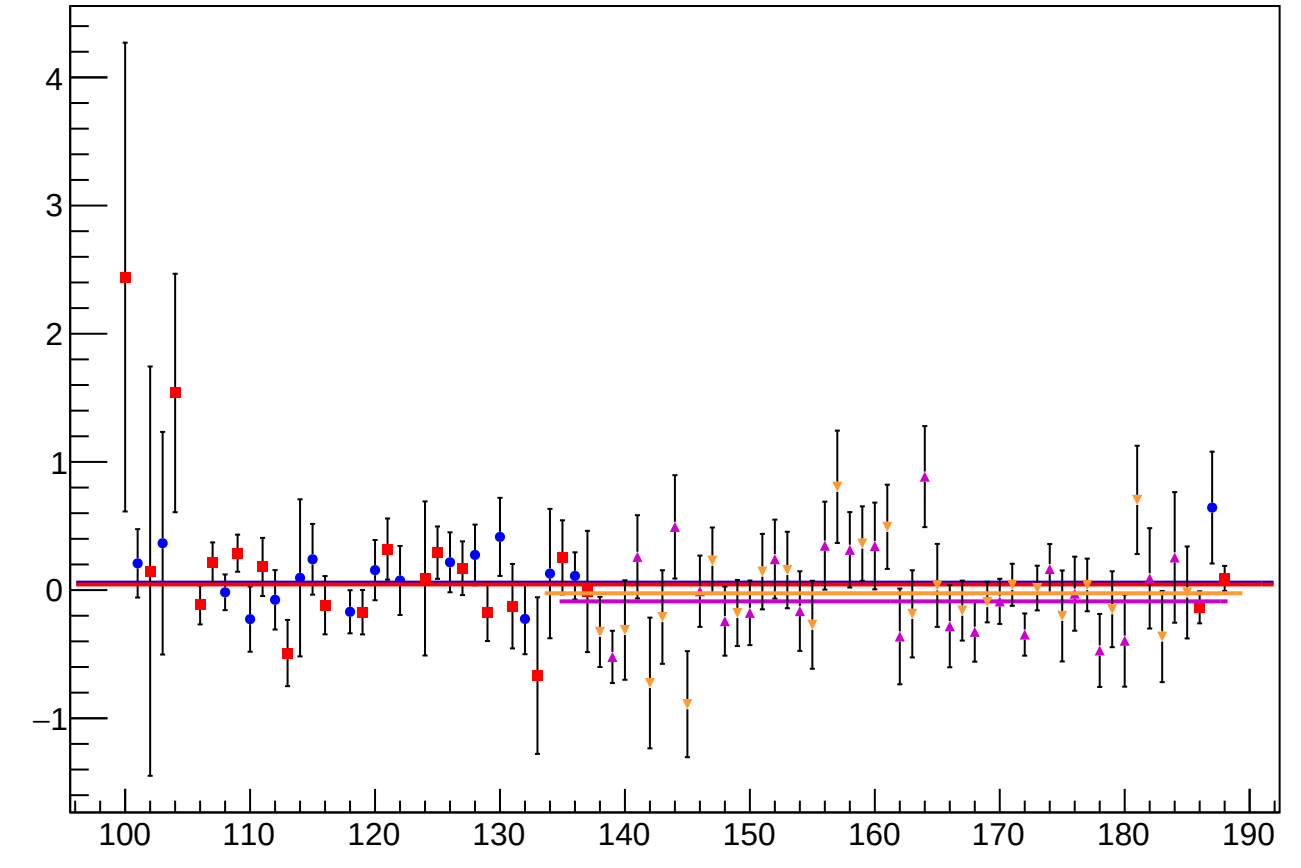
Right Out: 113.273+/-0.032 χ^2/NDF: 3276425.4/20

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.642+/-0.028 χ^2/NDF: 6889730.7/41

All: 171.201+/-0.019 χ^2/NDF: 18477823.0/85

- sign 157.210+/-0.025 χ^2/NDF: 10848587.3/43



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

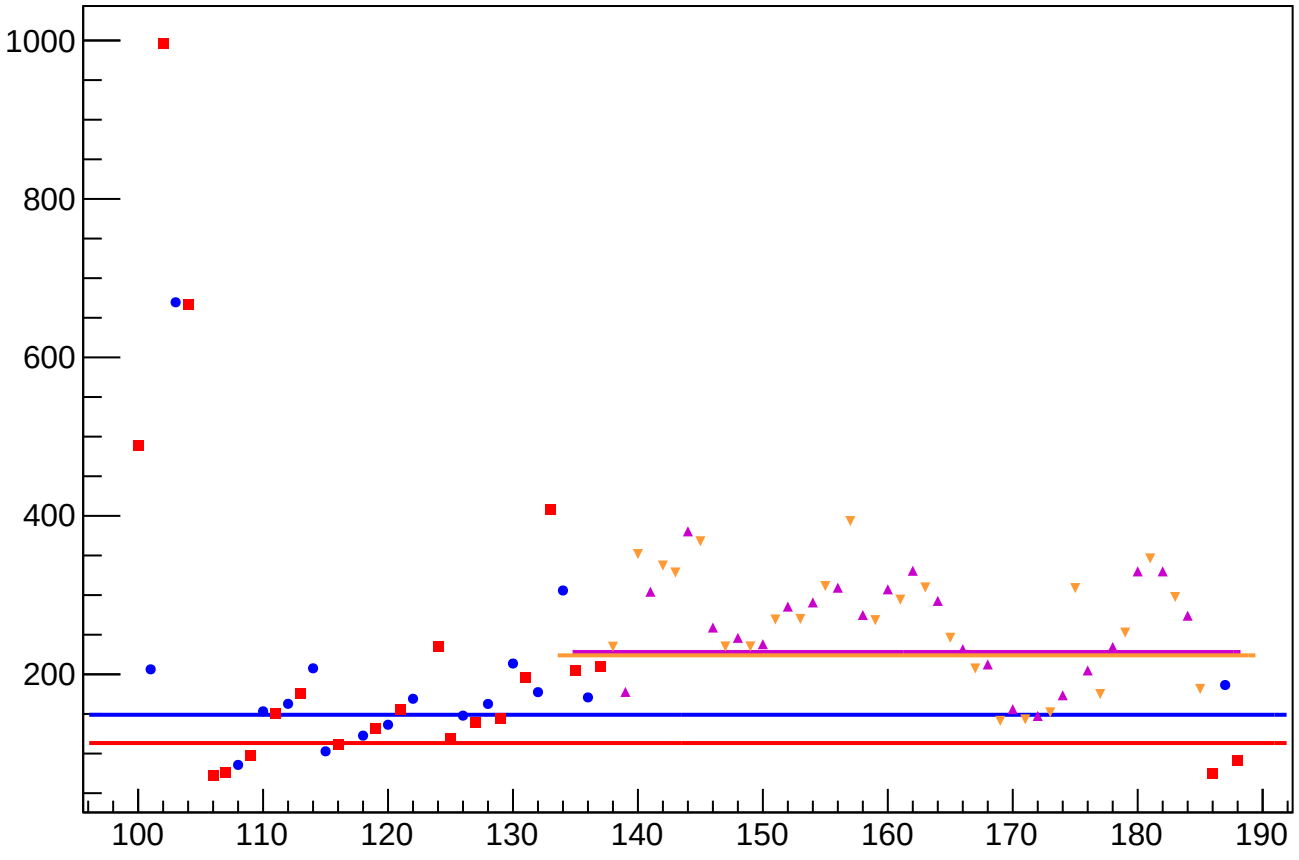
Right Out: 0.044+/-0.045 χ^2/NDF: 24.6/20

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.013+/-0.040 χ^2/NDF: 35.5/41

All: 0.002+/-0.026 χ^2/NDF: 93.7/85

- sign -0.006+/-0.035 χ^2/NDF: 58.0/43



Right In: 148.949+/-0.042 χ^2/NDF: 1725219.6/16

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

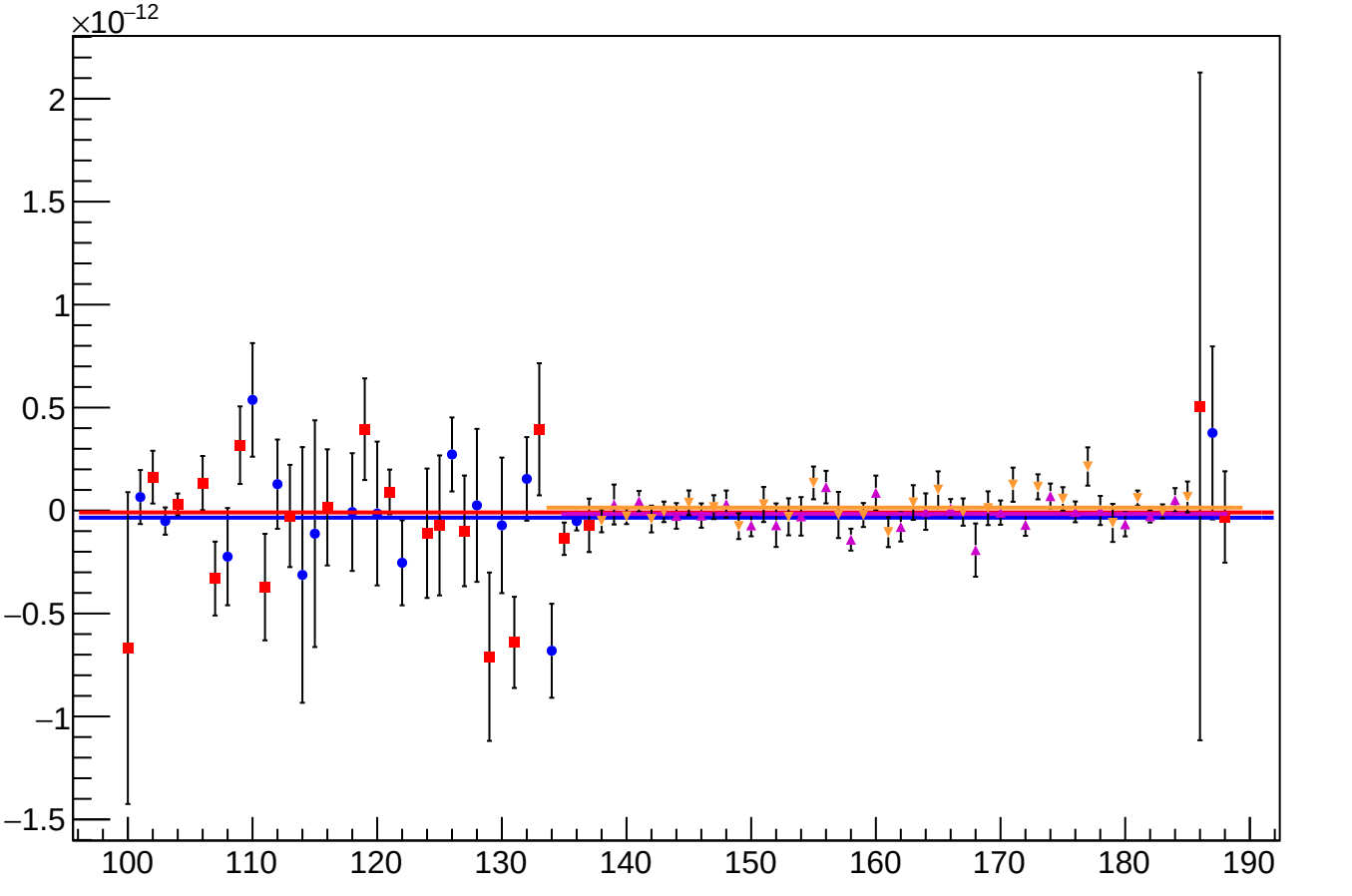
Right Out: 113.273+/-0.032 χ^2/NDF: 3276425.4/20

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.642+/-0.028 χ^2/NDF: 6889730.7/41

All: 171.201+/-0.019 χ^2/NDF: 18477823.0/85

- sign 157.210+/-0.025 χ^2/NDF: 10848587.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

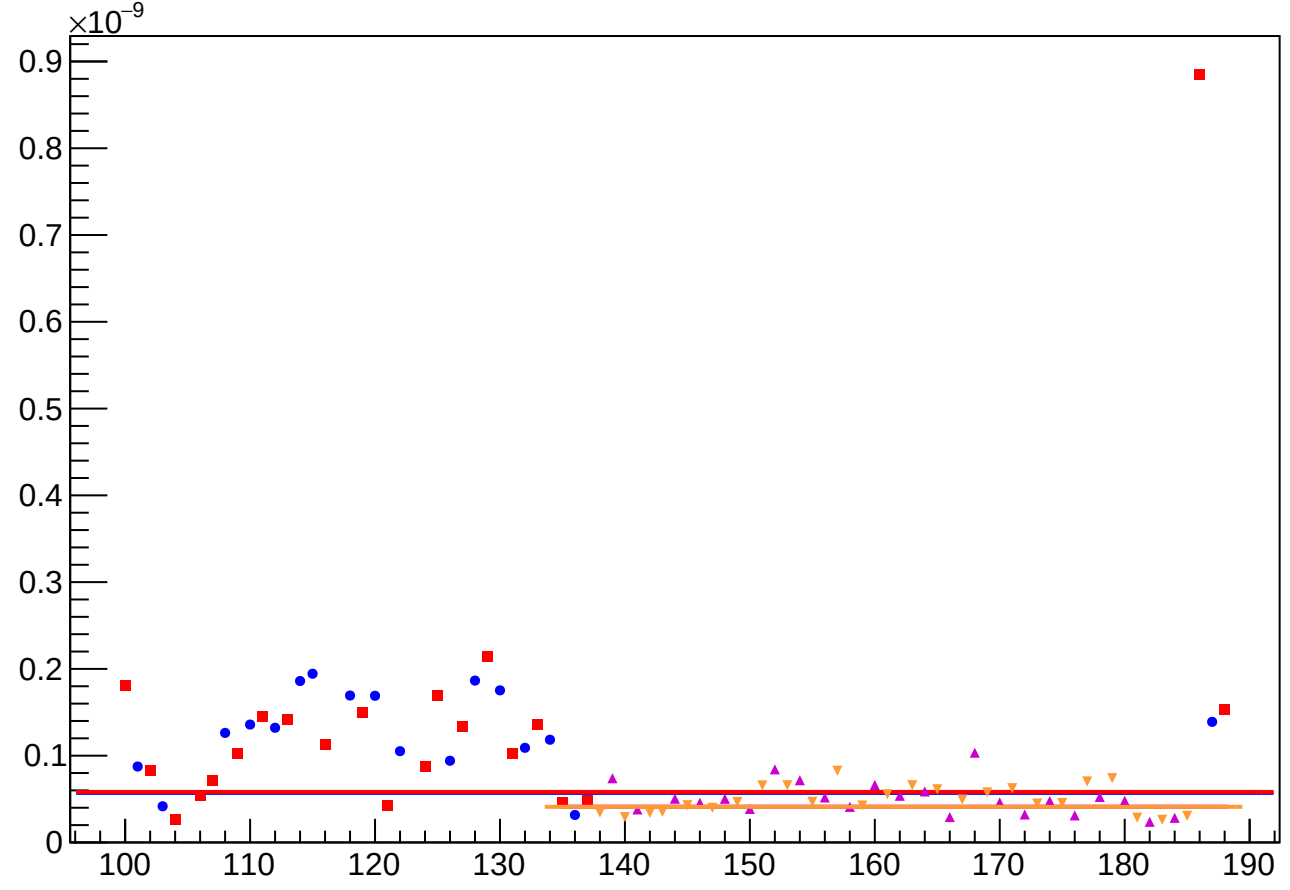
Right Out: -0.000+/-0.000 χ^2/NDF: 31.9/20

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/41

All: -0.000+/-0.000 χ^2/NDF: 103.7/85

- sign -0.000+/-0.000 χ^2/NDF: 53.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 3189562.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3633596.8/20

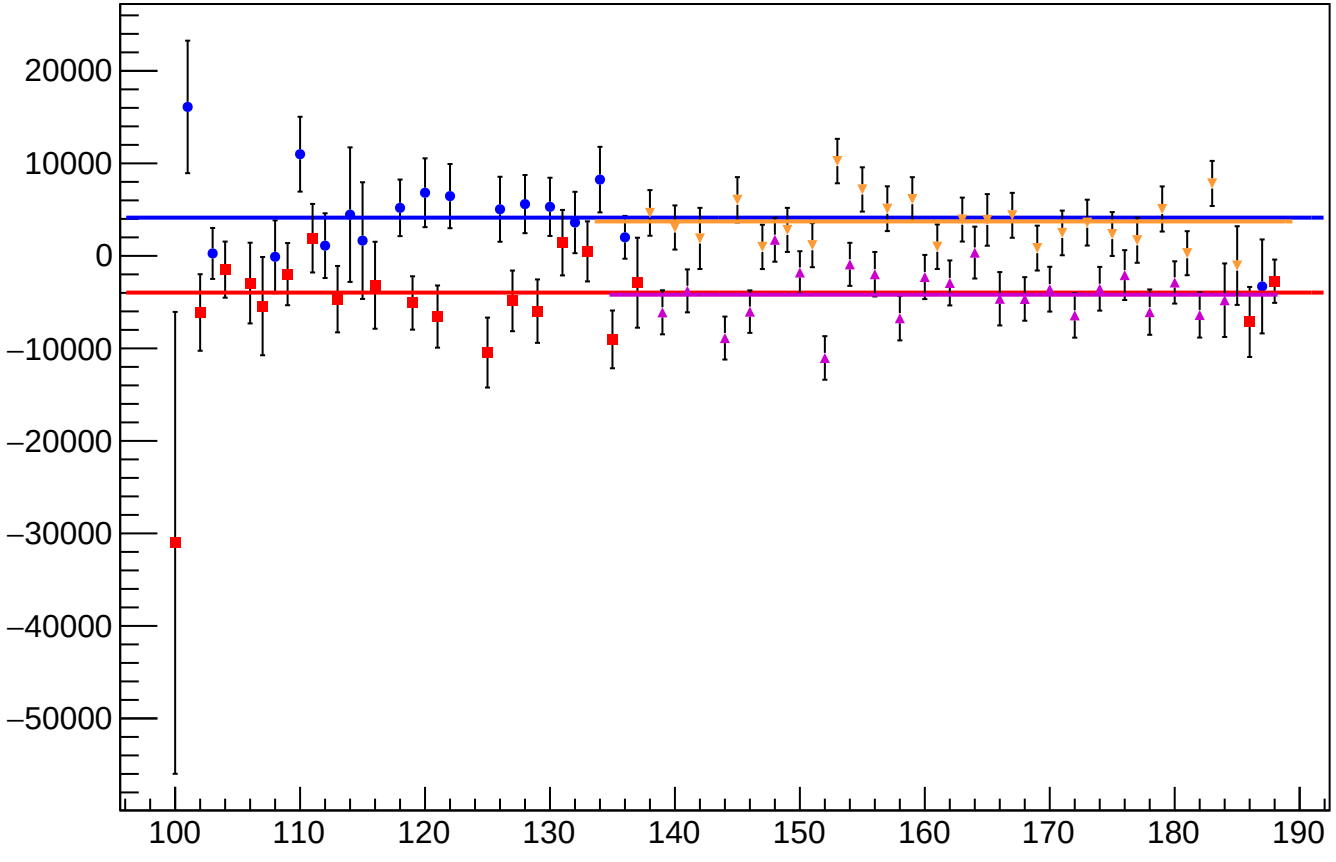
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6273922.5/41

All: 0.000+/-0.000 χ^2/NDF: 13261974.5/85

- sign 0.000+/-0.000 χ^2/NDF: 6986744.9/43

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4133.635+/-862.448 χ^2/NDF: 15.6/16

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -3969.148+/-798.163 χ^2/NDF: 17.1/19

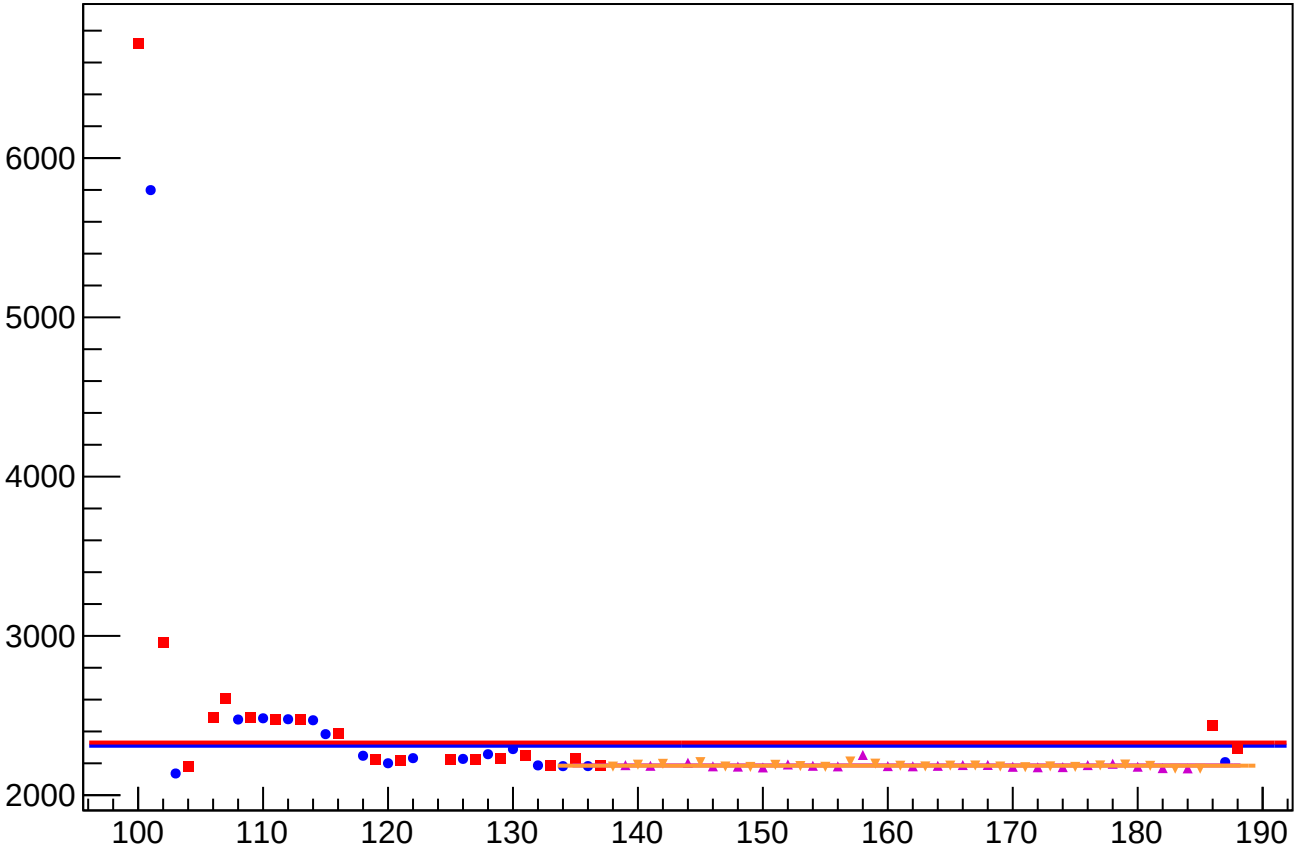
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3828.871+/-437.171 χ^2/NDF: 41.2/40

All: -215.444+/-306.598 χ^2/NDF: 258.9/83

- sign -4130.085+/-430.106 χ^2/NDF: 49.3/42

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2310.358+/-0.610 χ^2/NDF: 513217.0/16

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

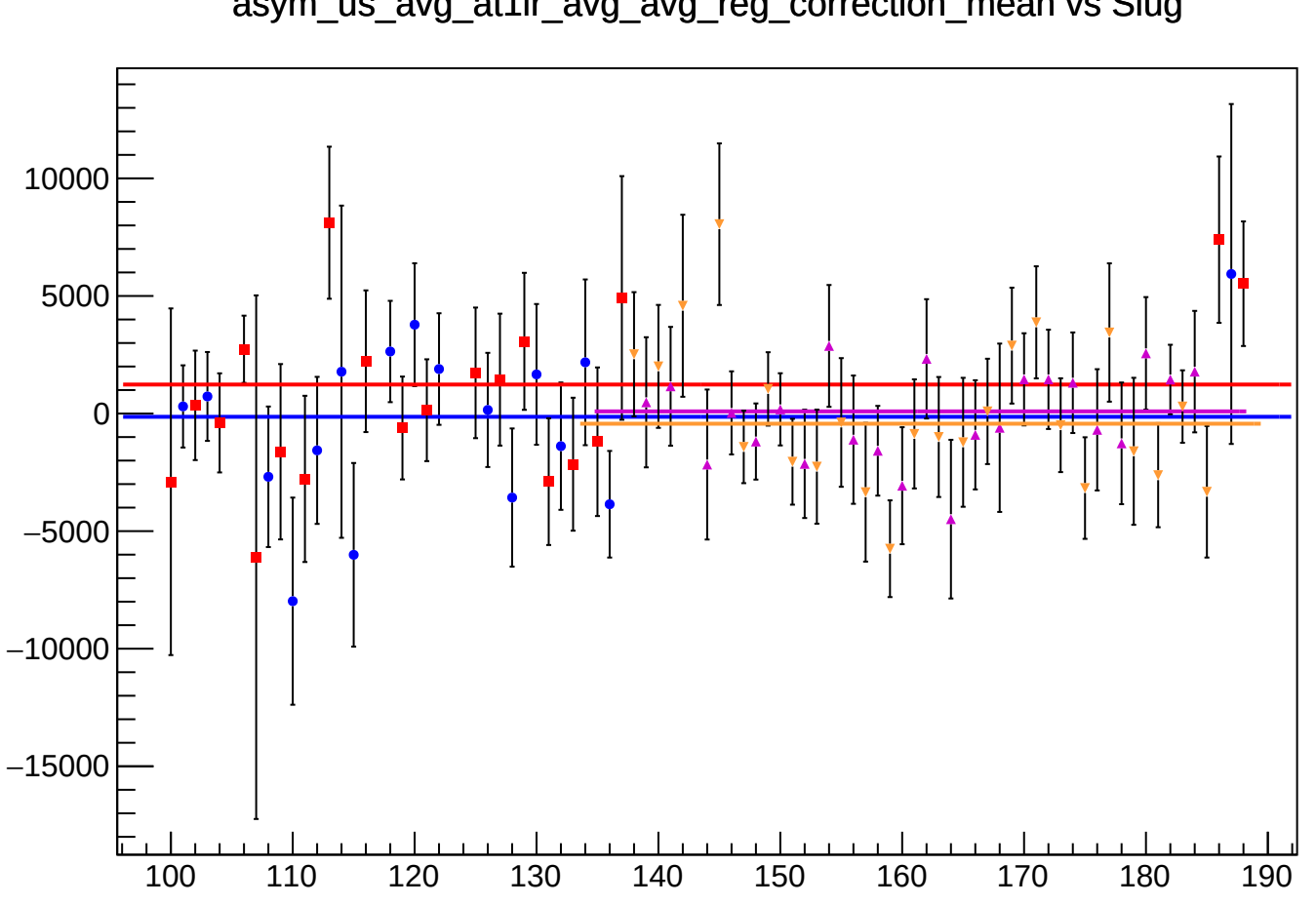
Right Out: 2330.359+/-0.564 χ^2/NDF: 153308.8/19

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.309+/-0.309 χ^2/NDF: 545363.1/40

All: 2222.969+/-0.217 χ^2/NDF: 747343.7/83

- sign 2228.448+/-0.304 χ^2/NDF: 201320.8/42



Right In: -138.273+/-655.620 χ^2/NDF: 17.1/16

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

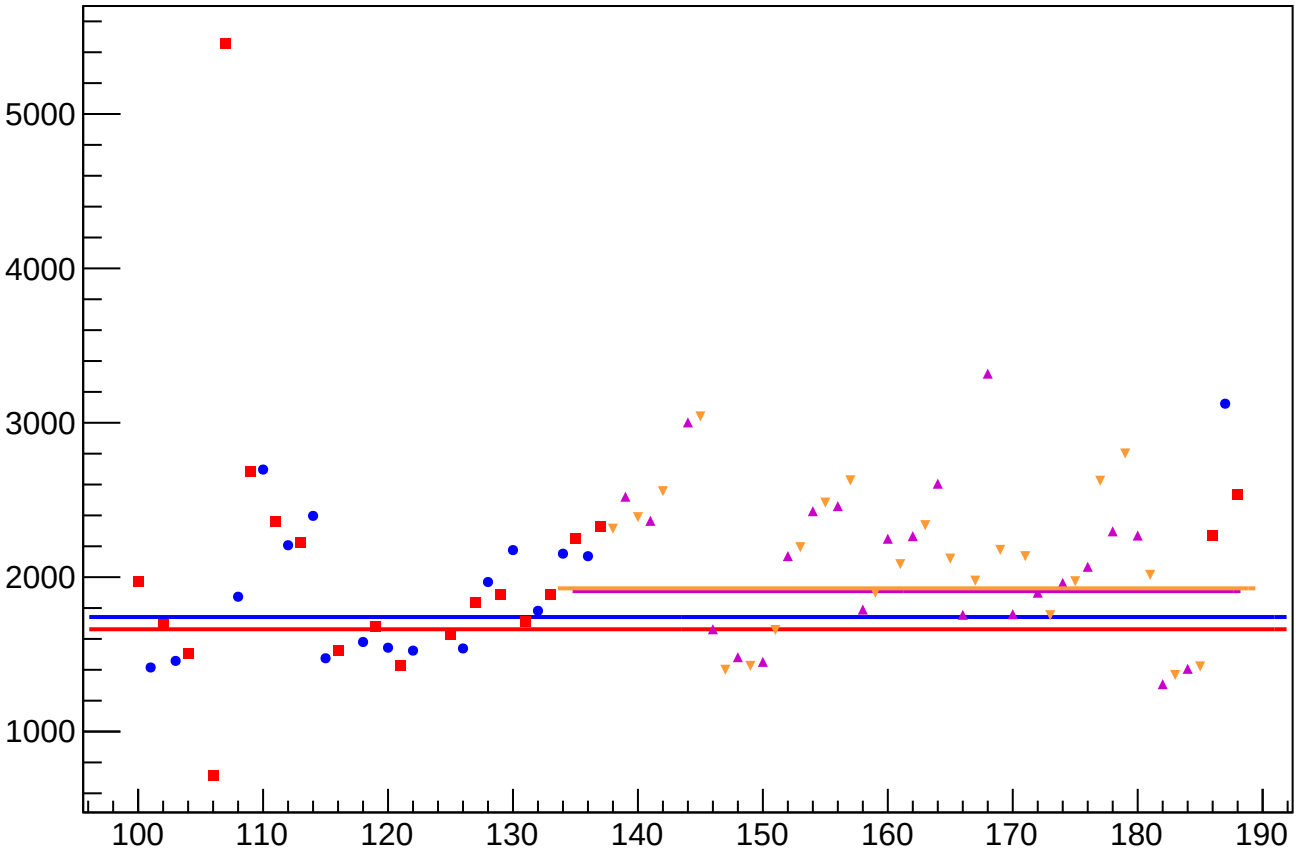
Right Out: 1234.042+/-608.220 χ^2/NDF: 21.0/19

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -334.623+/-377.863 χ^2/NDF: 48.6/40

All: 99.092+/-263.348 χ^2/NDF: 87.2/83

- sign 508.732+/-367.226 χ^2/NDF: 36.1/42



Right In: 1741.752+/-0.464 χ^2/NDF: 552648.6/16

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1662.597+/-0.430 χ^2/NDF: 1856910.8/19

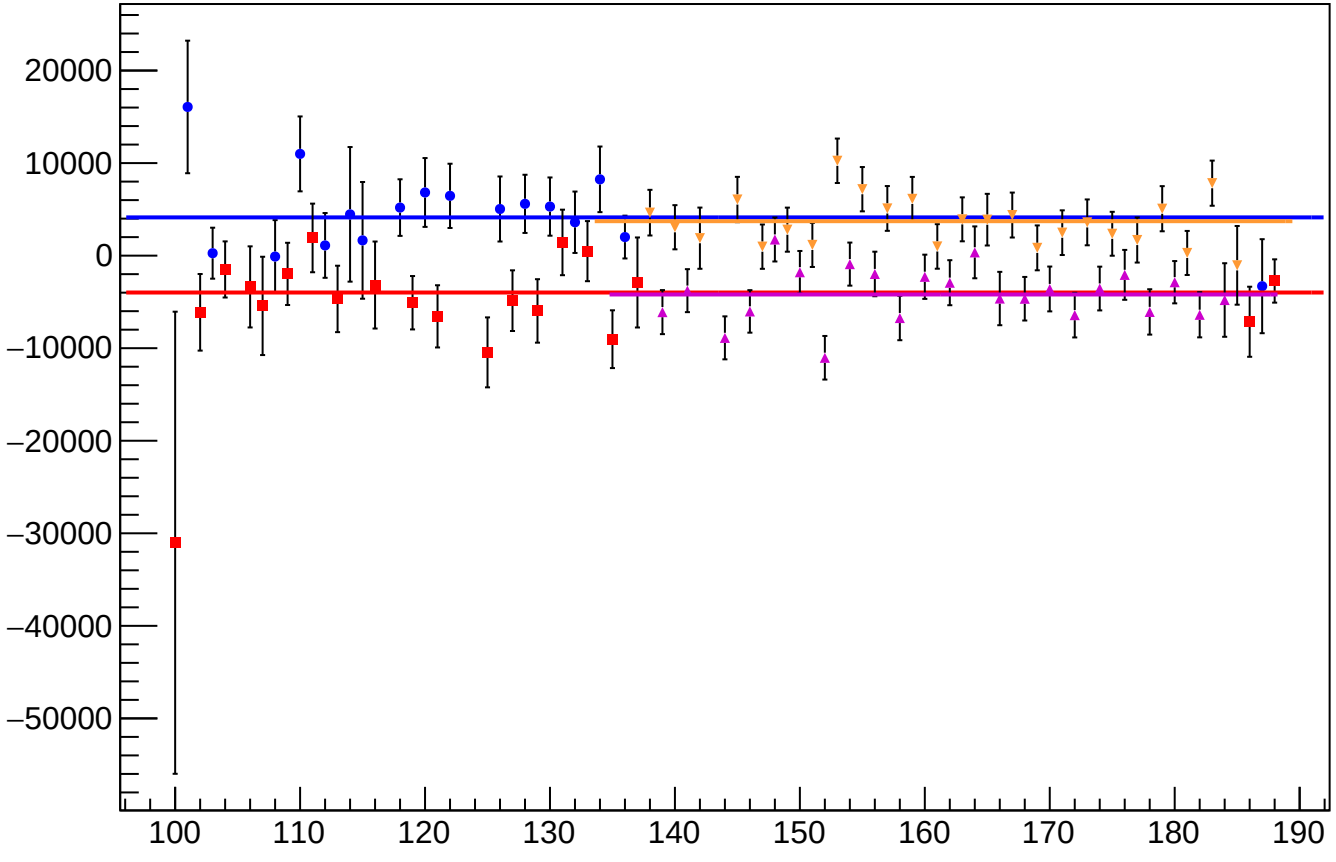
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1865.907+/-0.267 χ^2/NDF: 2458427.1/40

All: 1842.075+/-0.186 χ^2/NDF: 6482698.7/83

- sign 1819.565+/-0.260 χ^2/NDF: 4008801.5/42

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4132.981+/-862.448 χ^2/NDF: 15.6/16

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -3984.368+/-798.278 χ^2/NDF: 17.1/19

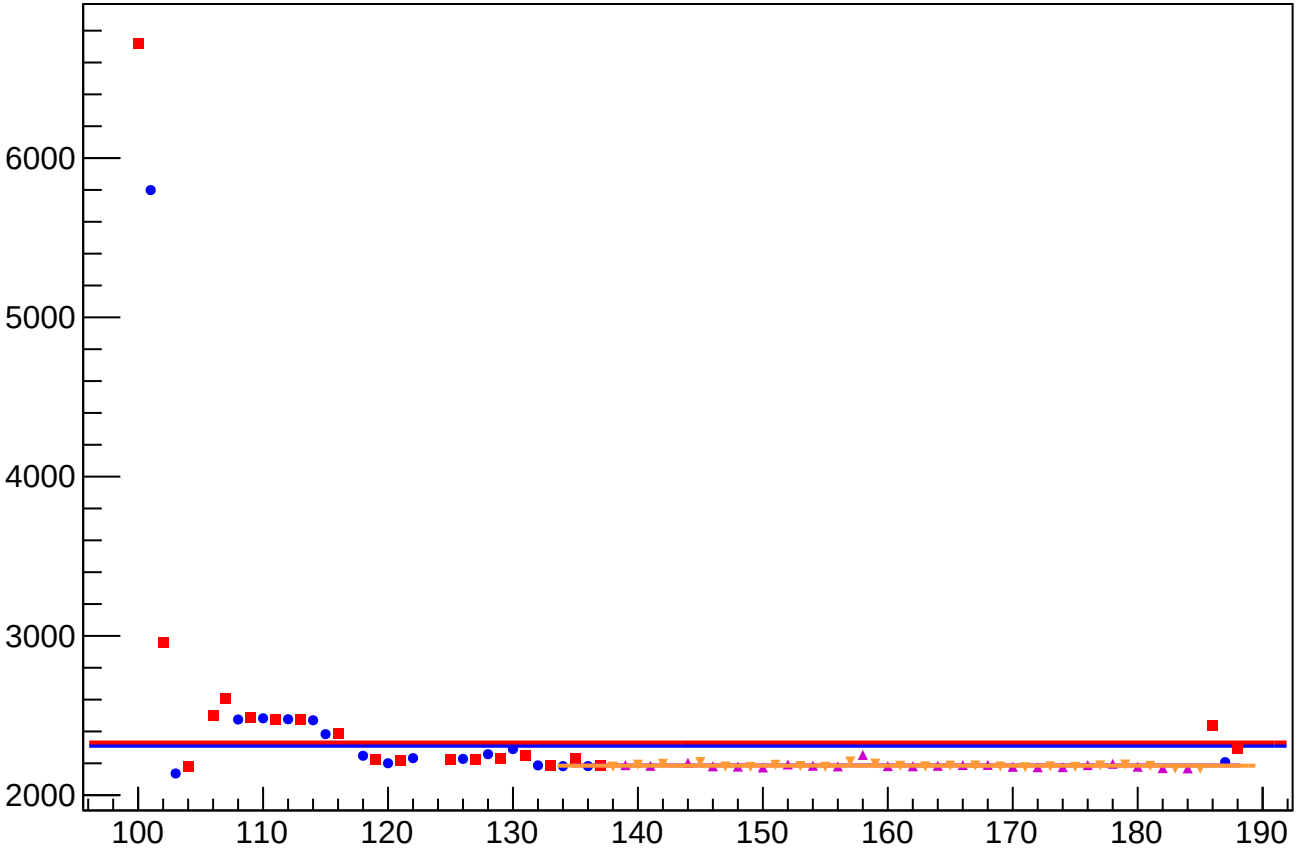
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3828.664+/-437.171 χ^2/NDF: 41.2/40

All: -217.674+/-306.605 χ^2/NDF: 259.0/83

- sign -4134.602+/-430.124 χ^2/NDF: 49.3/42

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2310.358+/-0.610 χ^2/NDF: 513217.5/16

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

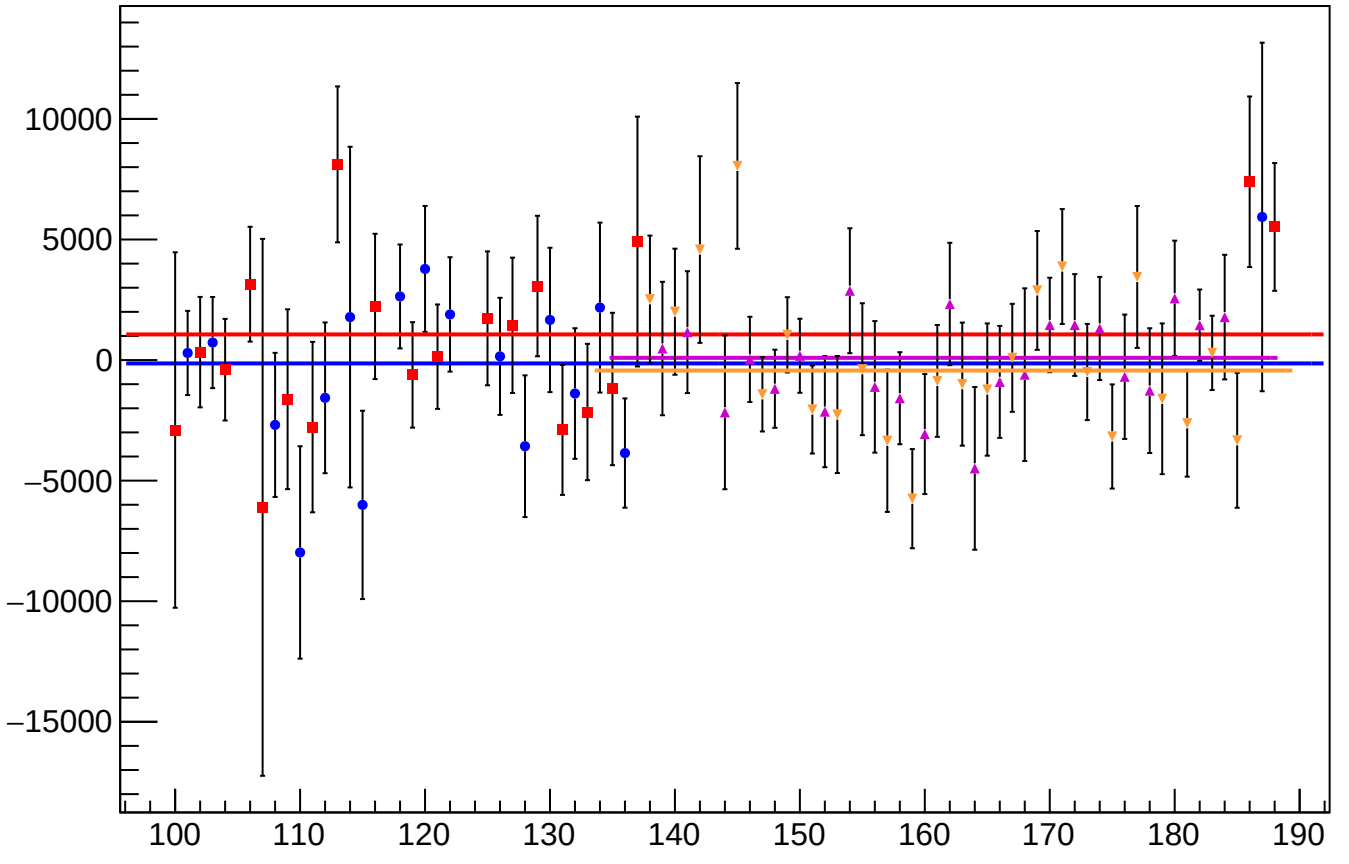
Right Out: 2330.669+/-0.564 χ^2/NDF: 153654.6/19

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.309+/-0.309 χ^2/NDF: 545363.4/40

All: 2223.010+/-0.217 χ^2/NDF: 747888.6/83

- sign 2228.530+/-0.304 χ^2/NDF: 201855.7/42



Right In: -139.387+/-655.493 χ^2/NDF: 17.1/16

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: 1064.379+/-645.975 χ^2/NDF: 20.5/19

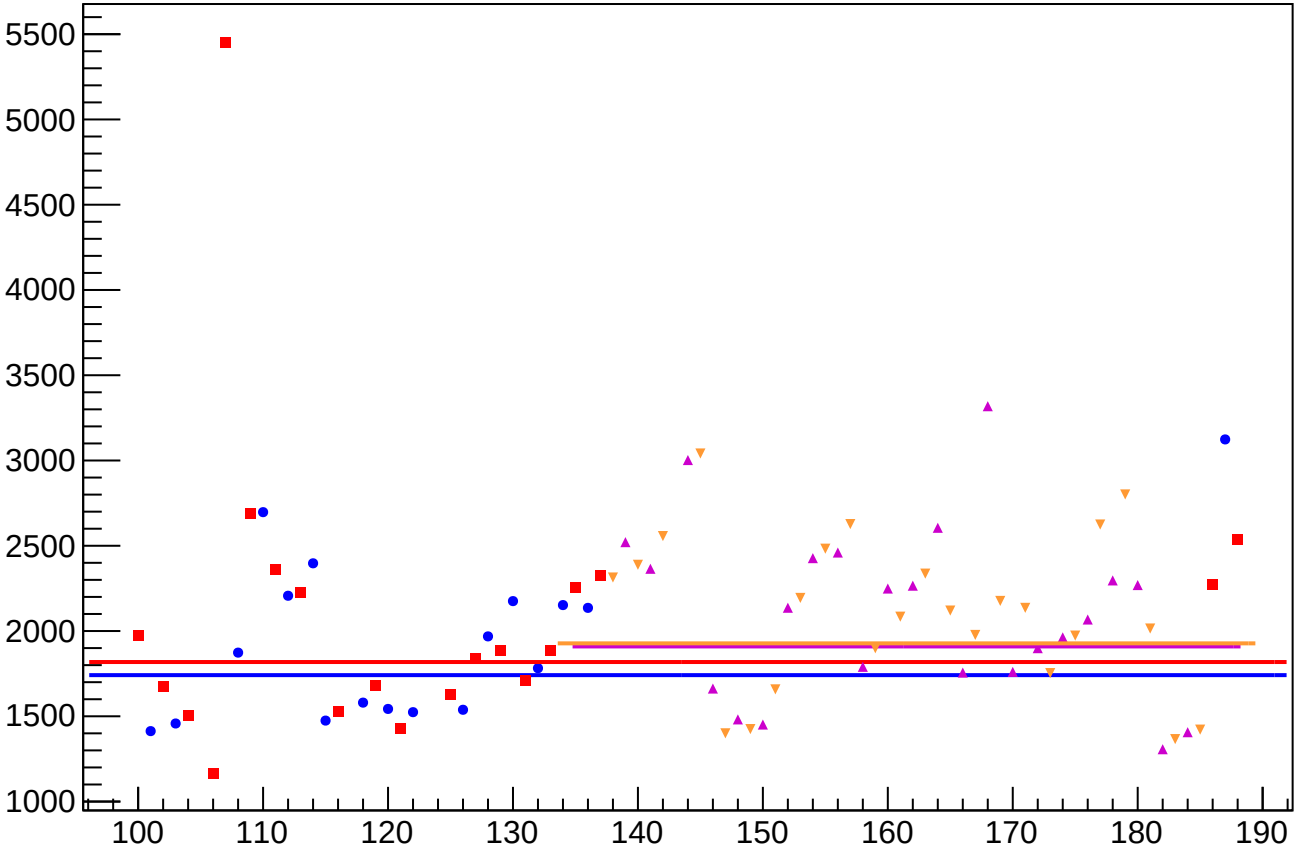
Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -334.991+/-377.838 χ^2/NDF: 48.6/40

All: 45.390+/-266.186 χ^2/NDF: 85.4/83

- sign 420.209+/-375.066 χ^2/NDF: 34.8/42

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug



Right In: 1741.362+/-0.464 χ^2/NDF: 553657.4/16

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

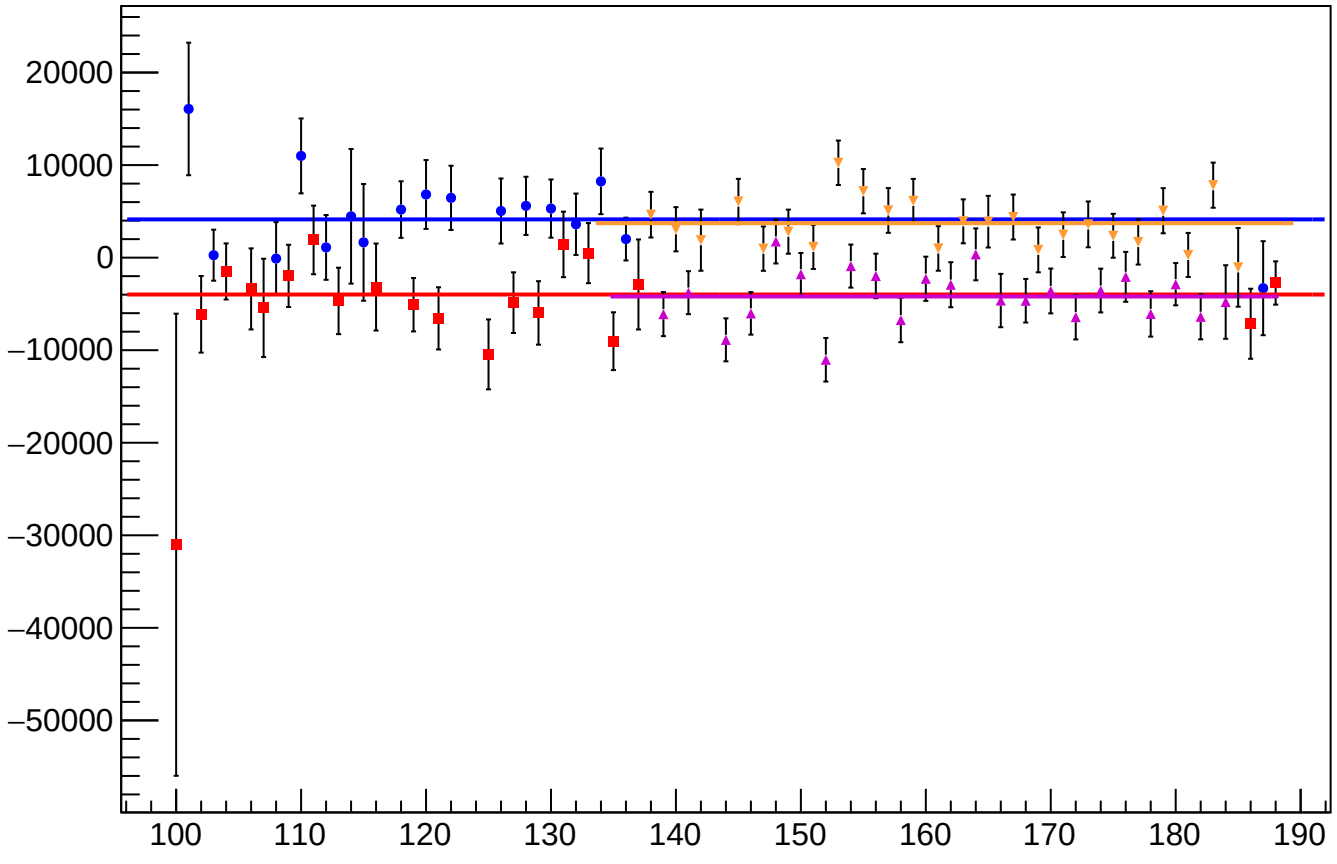
Right Out: 1818.223+/-0.457 χ^2/NDF: 948229.2/19

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1865.760+/-0.267 χ^2/NDF: 2459938.1/40

All: 1872.332+/-0.188 χ^2/NDF: 5378193.8/83

- sign 1878.807+/-0.265 χ^2/NDF: 2917054.7/42



Right In: 4132.981+/-862.448 χ^2/NDF: 15.6/16

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -3984.368+/-798.278 χ^2/NDF: 17.1/19

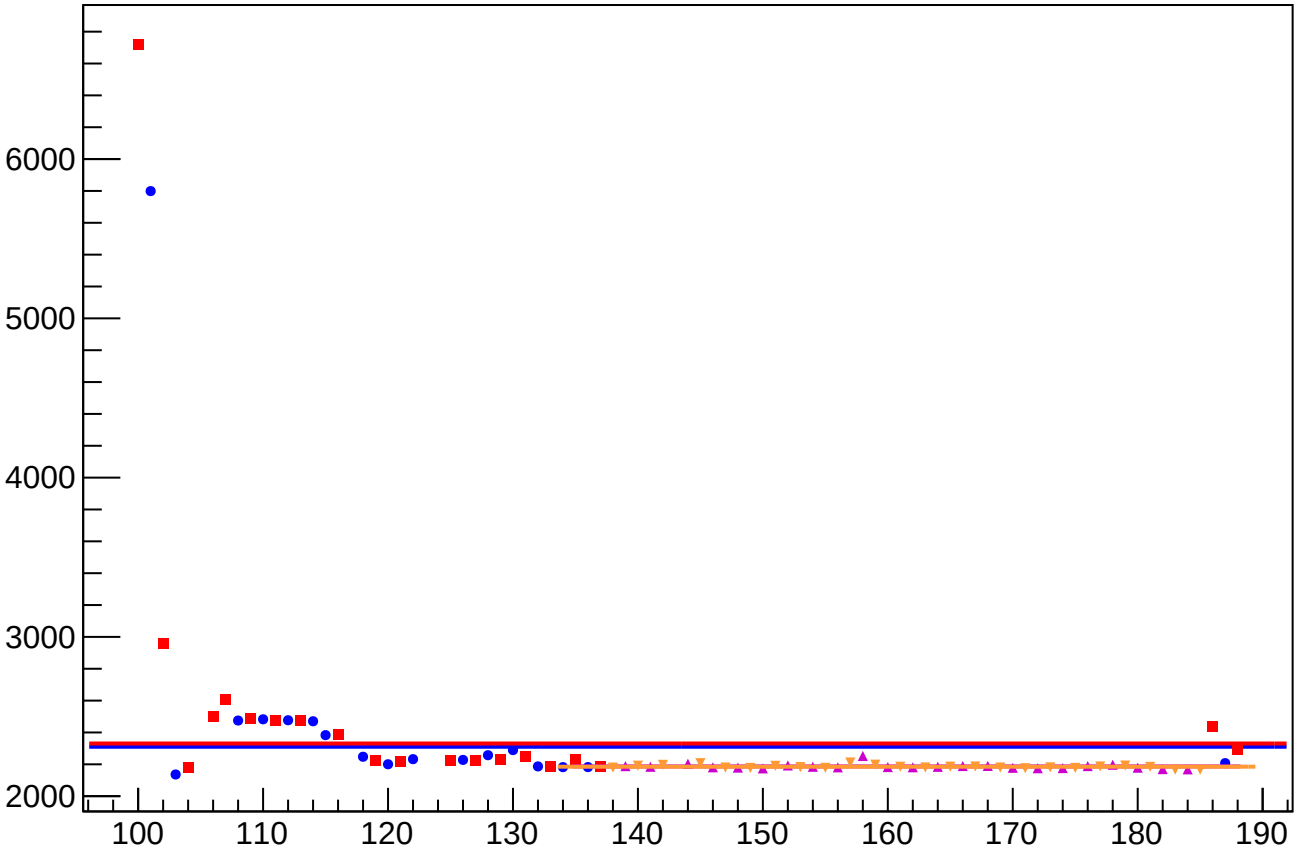
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3828.664+/-437.171 χ^2/NDF: 41.2/40

All: -217.674+/-306.605 χ^2/NDF: 259.0/83

- sign -4134.602+/-430.124 χ^2/NDF: 49.3/42

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2310.358+/-0.610 χ^2/NDF: 513217.5/16

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

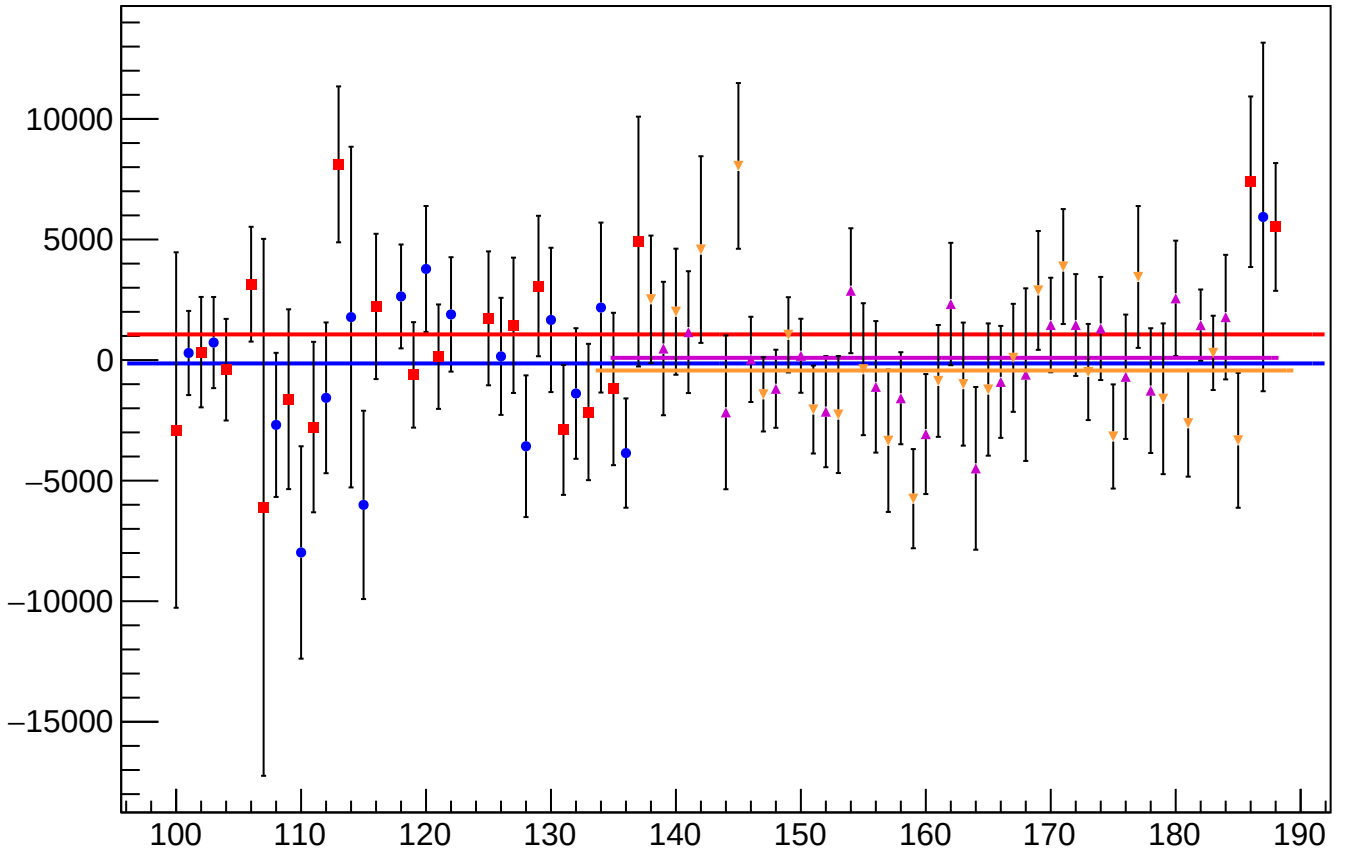
Right Out: 2330.669+/-0.564 χ^2/NDF: 153654.6/19

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.309+/-0.309 χ^2/NDF: 545363.4/40

All: 2223.010+/-0.217 χ^2/NDF: 747888.6/83

- sign 2228.530+/-0.304 χ^2/NDF: 201855.7/42



Right In: -139.387+/-655.493 χ^2/NDF: 17.1/16

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

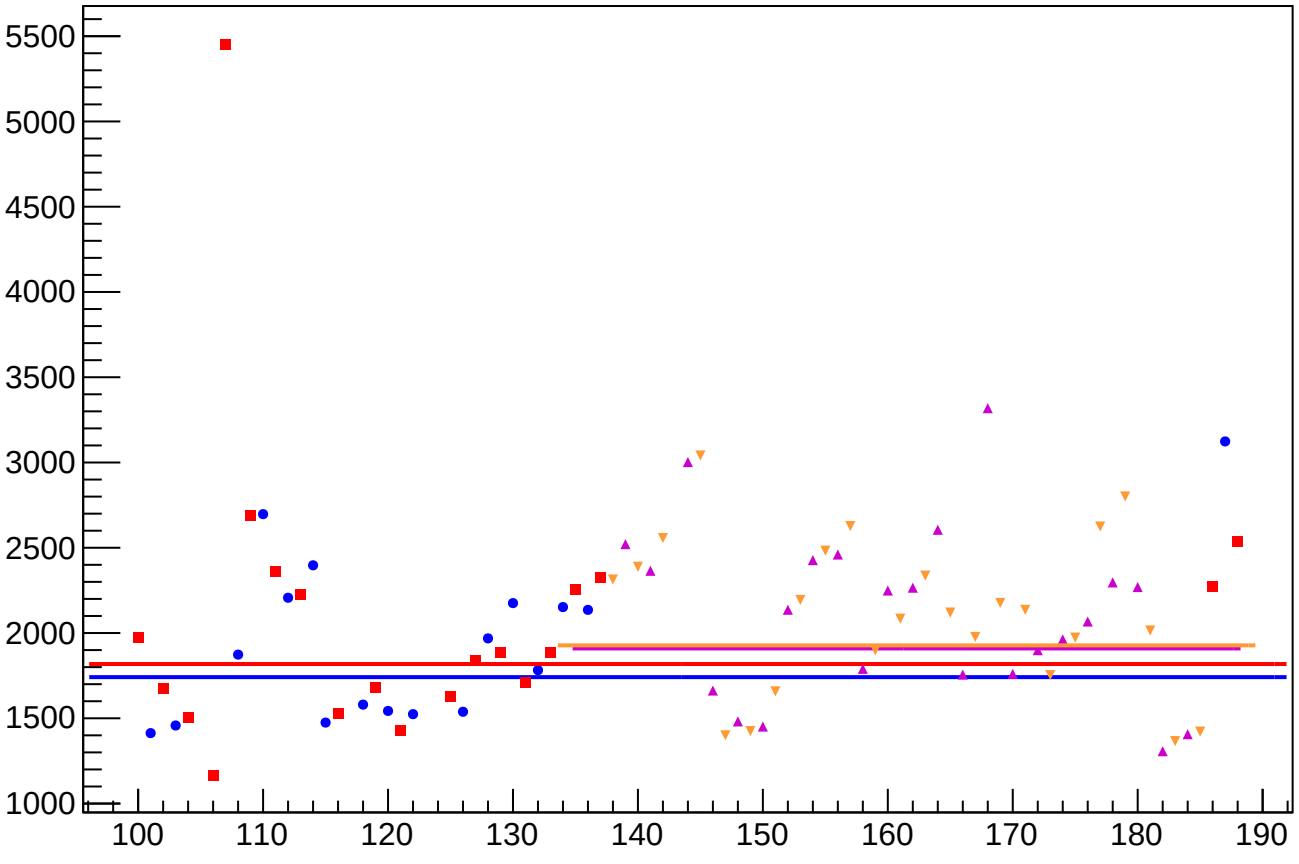
Right Out: 1064.379+/-645.975 χ^2/NDF: 20.5/19

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -334.991+/-377.838 χ^2/NDF: 48.6/40

All: 45.390+/-266.186 χ^2/NDF: 85.4/83

- sign 420.209+/-375.066 χ^2/NDF: 34.8/42



Right In: 1741.362+/-0.464 χ^2/NDF: 553657.4/16

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

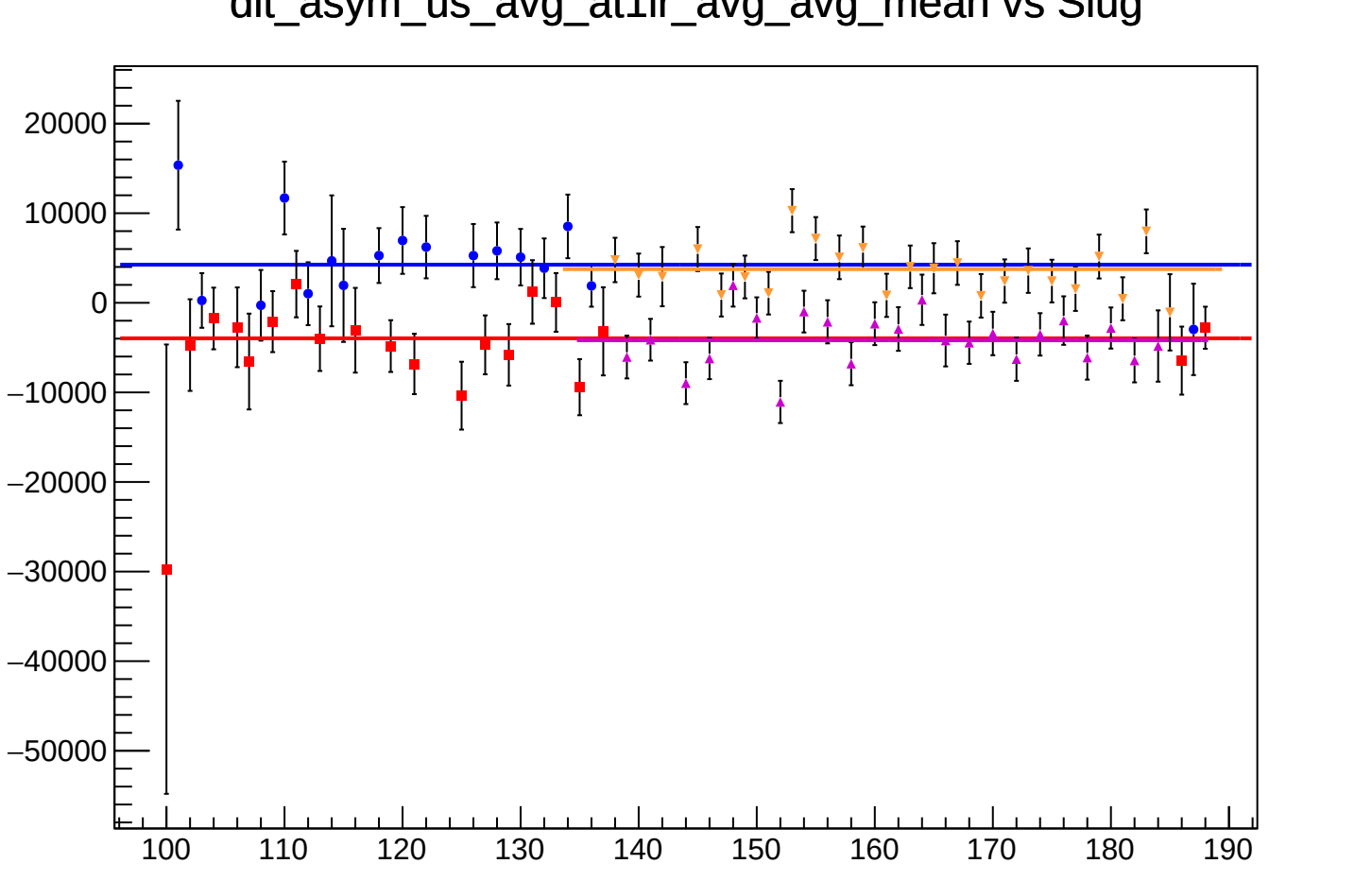
Right Out: 1818.223+/-0.457 χ^2/NDF: 948229.2/19

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1865.760+/-0.267 χ^2/NDF: 2459938.1/40

All: 1872.332+/-0.188 χ^2/NDF: 5378193.8/83

- sign 1878.807+/-0.265 χ^2/NDF: 2917054.7/42



Right In: 4258.296+/-873.009 χ^2/NDF: 15.6/16

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -3962.813+/-813.220 χ^2/NDF: 16.2/19

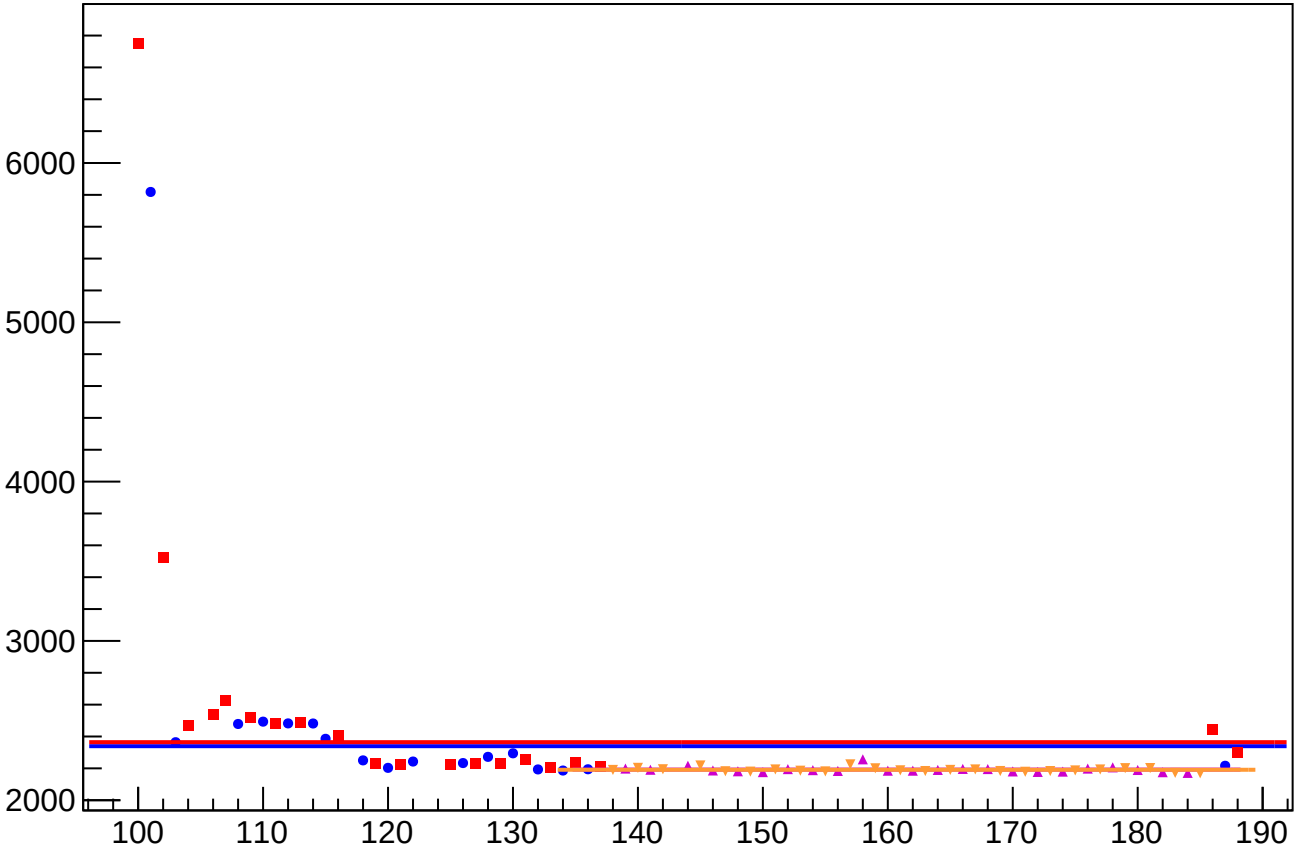
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3881.825+/-439.441 χ^2/NDF: 41.5/40

All: -177.063+/-308.500 χ^2/NDF: 258.6/83

- sign -4121.389+/-433.195 χ^2/NDF: 48.9/42

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2339.202+/-0.617 χ^2/NDF: 504064.1/16

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

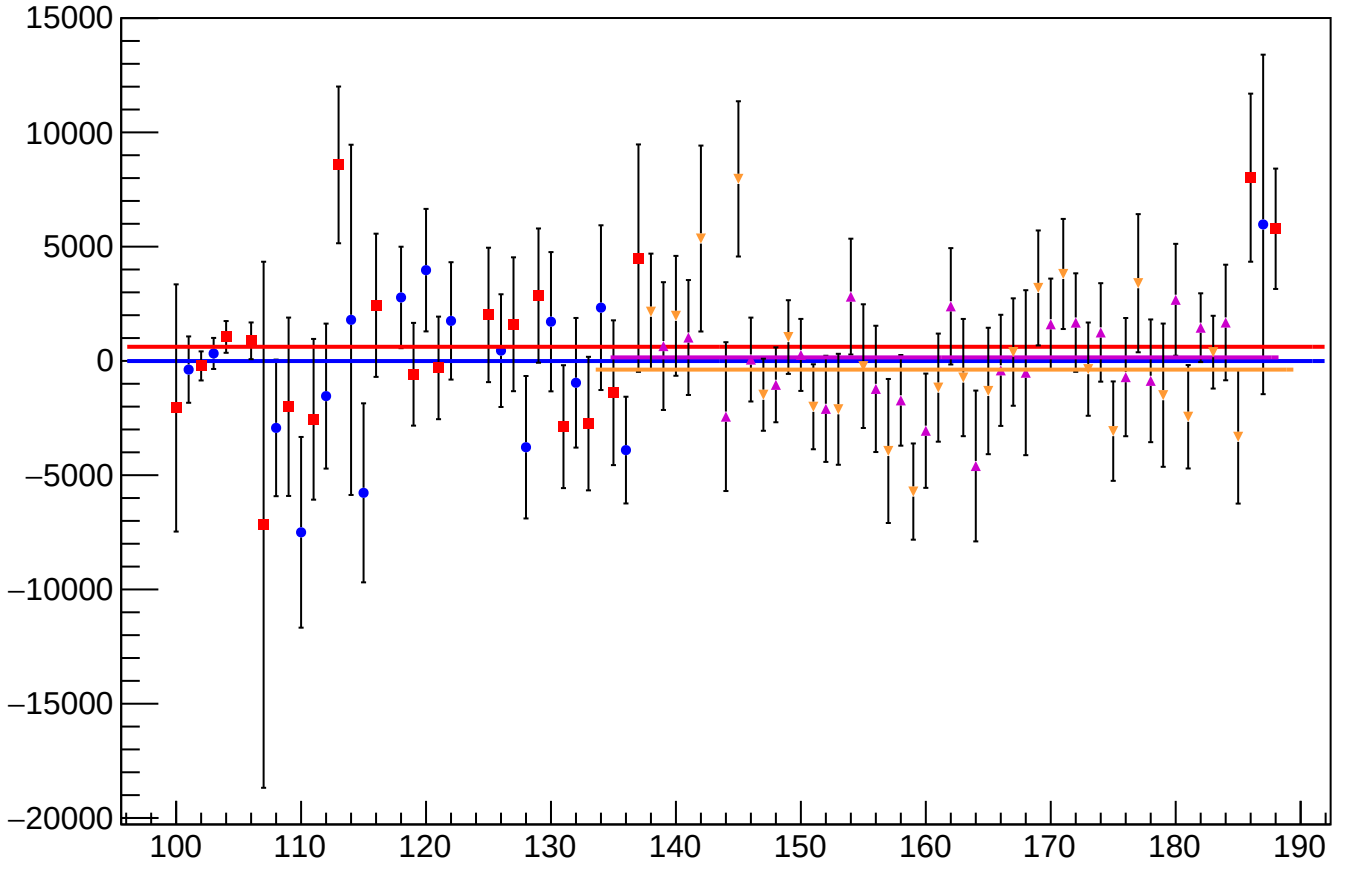
Right Out: 2364.425+/-0.575 χ^2/NDF: 212647.2/19

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.660+/-0.311 χ^2/NDF: 548241.2/40

All: 2234.955+/-0.218 χ^2/NDF: 828227.8/83

- sign 2241.071+/-0.306 χ^2/NDF: 279177.5/42



Right In: -5.870+/-484.296 χ^2/NDF: 17.0/16

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

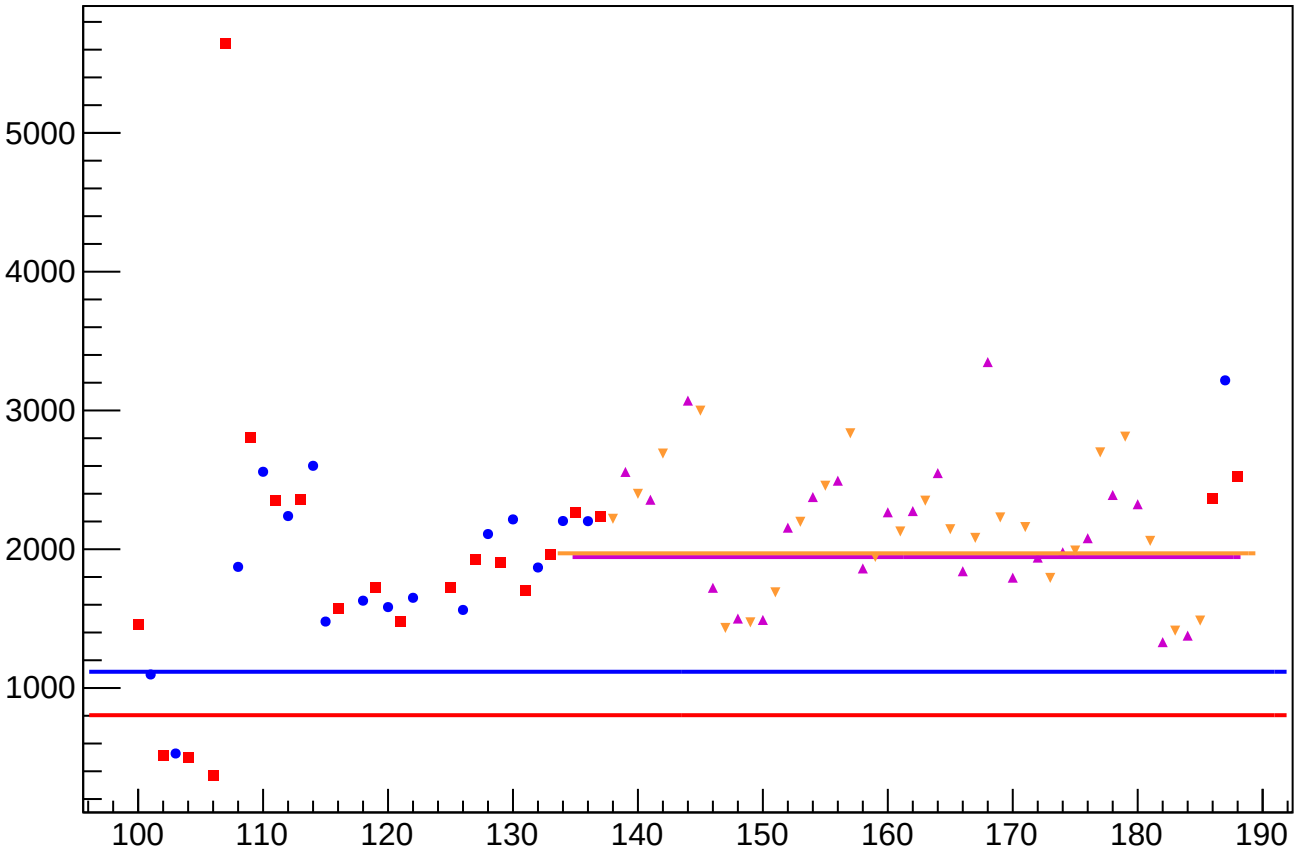
Right Out: 618.083+/-357.480 χ^2/NDF: 23.2/19

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

\+ sign -198.201+/-337.827 χ^2/NDF: 48.0/40

All: 179.898+/-217.427 χ^2/NDF: 86.8/83

\- sign 447.269+/-284.085 χ^2/NDF: 36.6/42



Right In: 1117.104+/-0.342 χ^2/NDF: 3907015.6/16

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

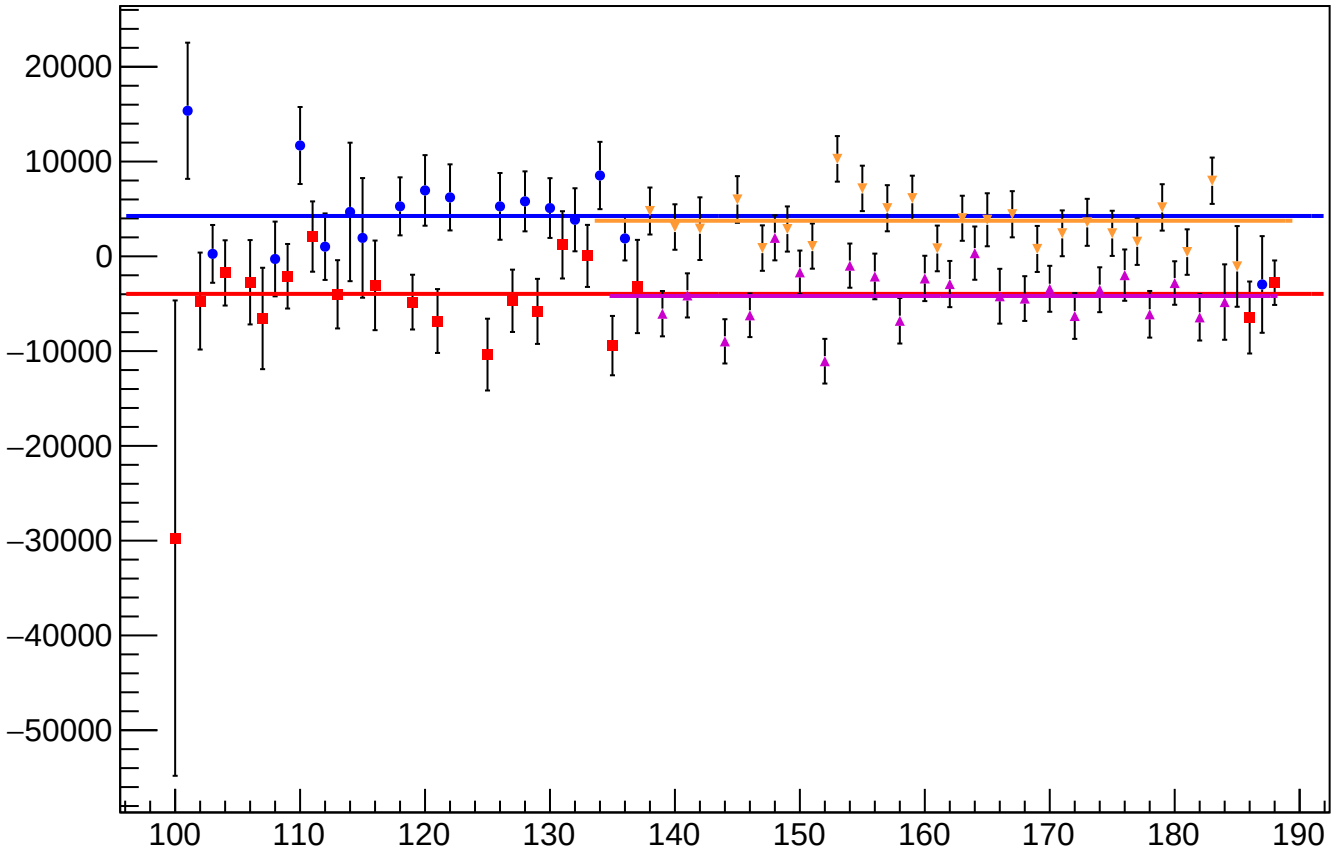
Right Out: 804.114+/-0.253 χ^2/NDF: 6847118.9/19

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1555.322+/-0.239 χ^2/NDF: 8793212.8/40

All: 1361.239+/-0.154 χ^2/NDF: 26138246.7/8

- sign 1223.995+/-0.201 χ^2/NDF: 16218129.5/42



Right In: 4258.292+/-873.009 χ^2/NDF: 15.6/16

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -3962.808+/-813.220 χ^2/NDF: 16.2/19

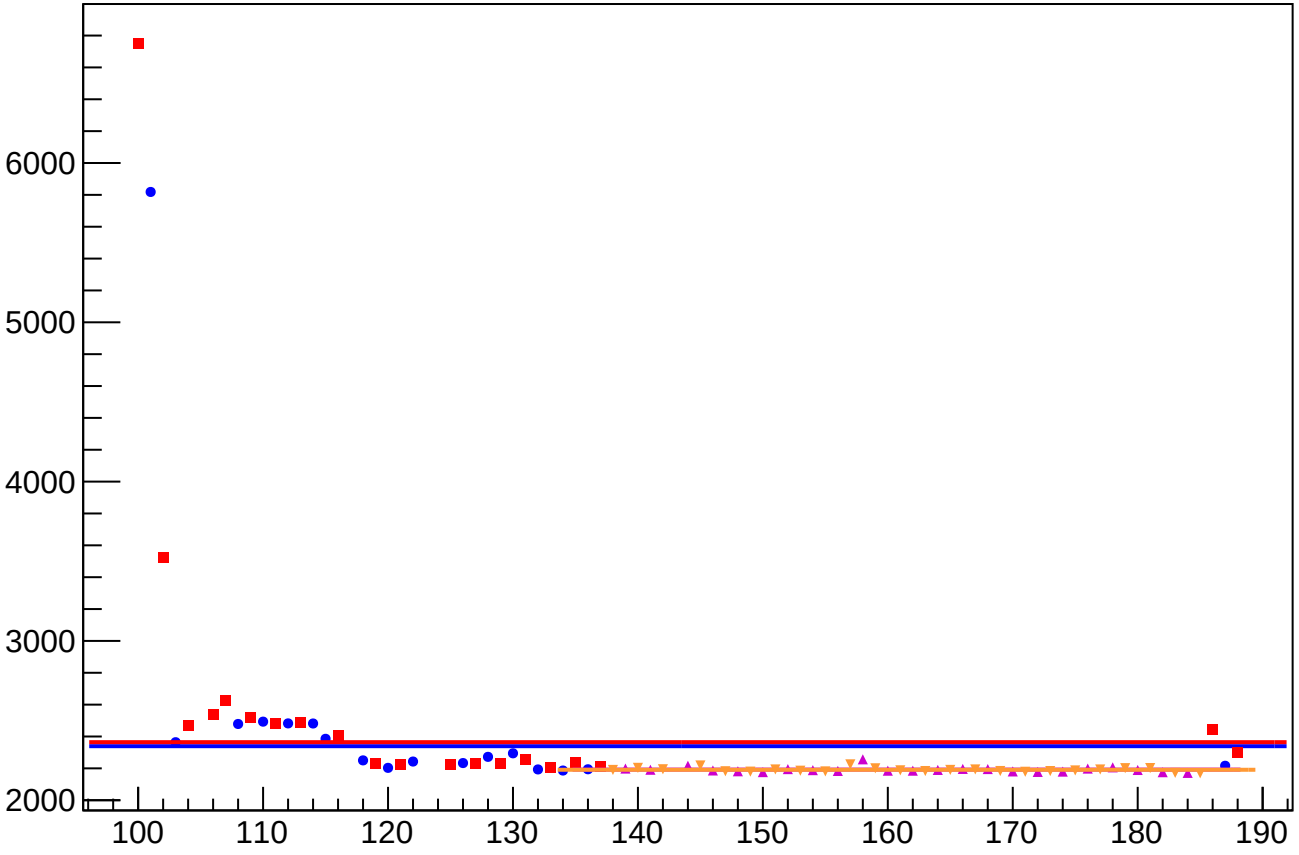
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

\+ sign 3881.823+/-439.441 χ^2/NDF: 41.5/40

All: -177.063+/-308.500 χ^2/NDF: 258.6/83

\- sign -4121.388+/-433.195 χ^2/NDF: 48.9/42

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2339.202+/-0.617 χ^2/NDF: 504064.1/16

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

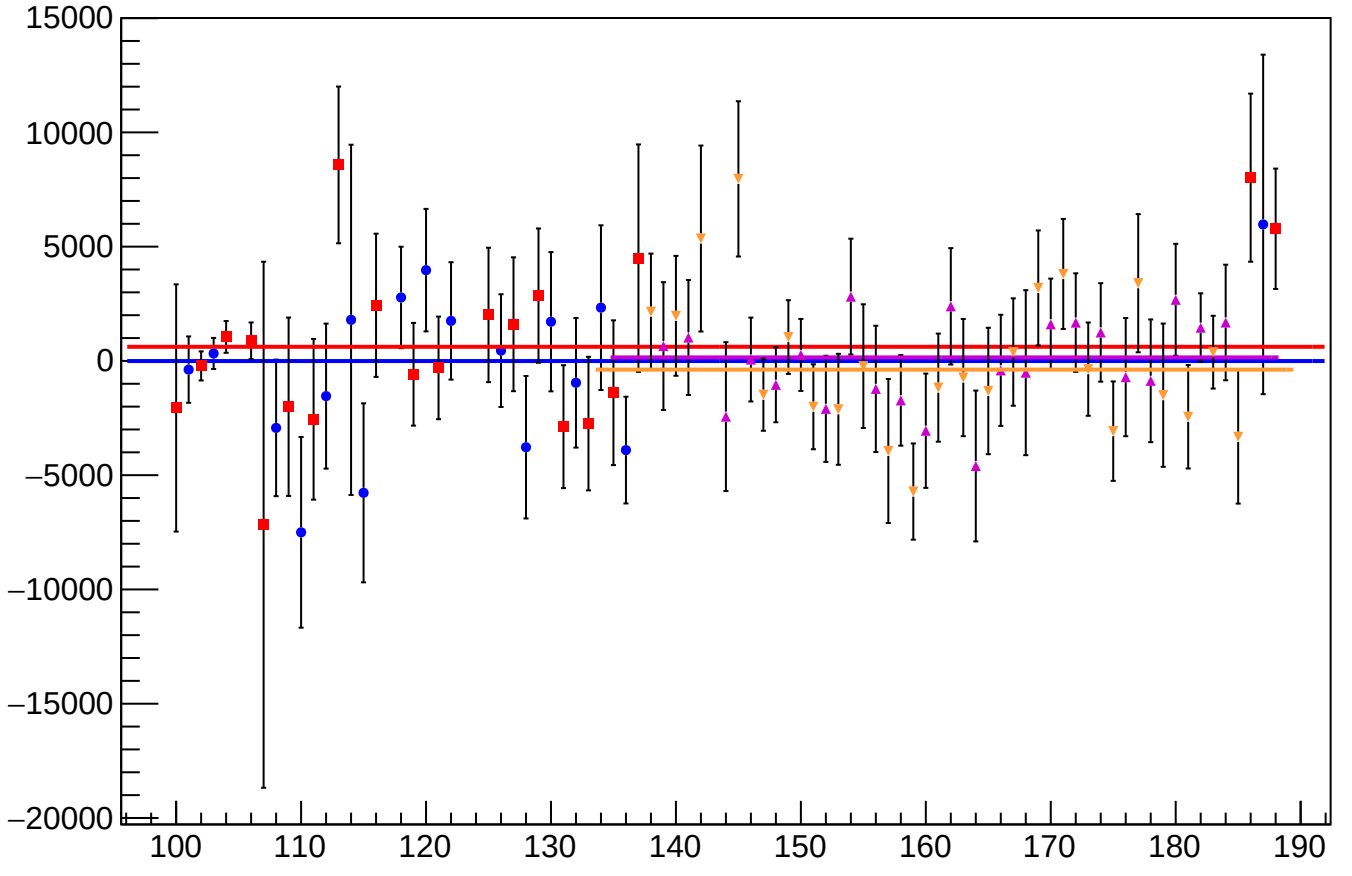
Right Out: 2364.425+/-0.575 χ^2/NDF: 212646.1/19

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.660+/-0.311 χ^2/NDF: 548240.9/40

All: 2234.955+/-0.218 χ^2/NDF: 828226.1/83

- sign 2241.071+/-0.306 χ^2/NDF: 279176.1/42



Right In: -5.876+/-484.298 χ^2/NDF: 17.0/16

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

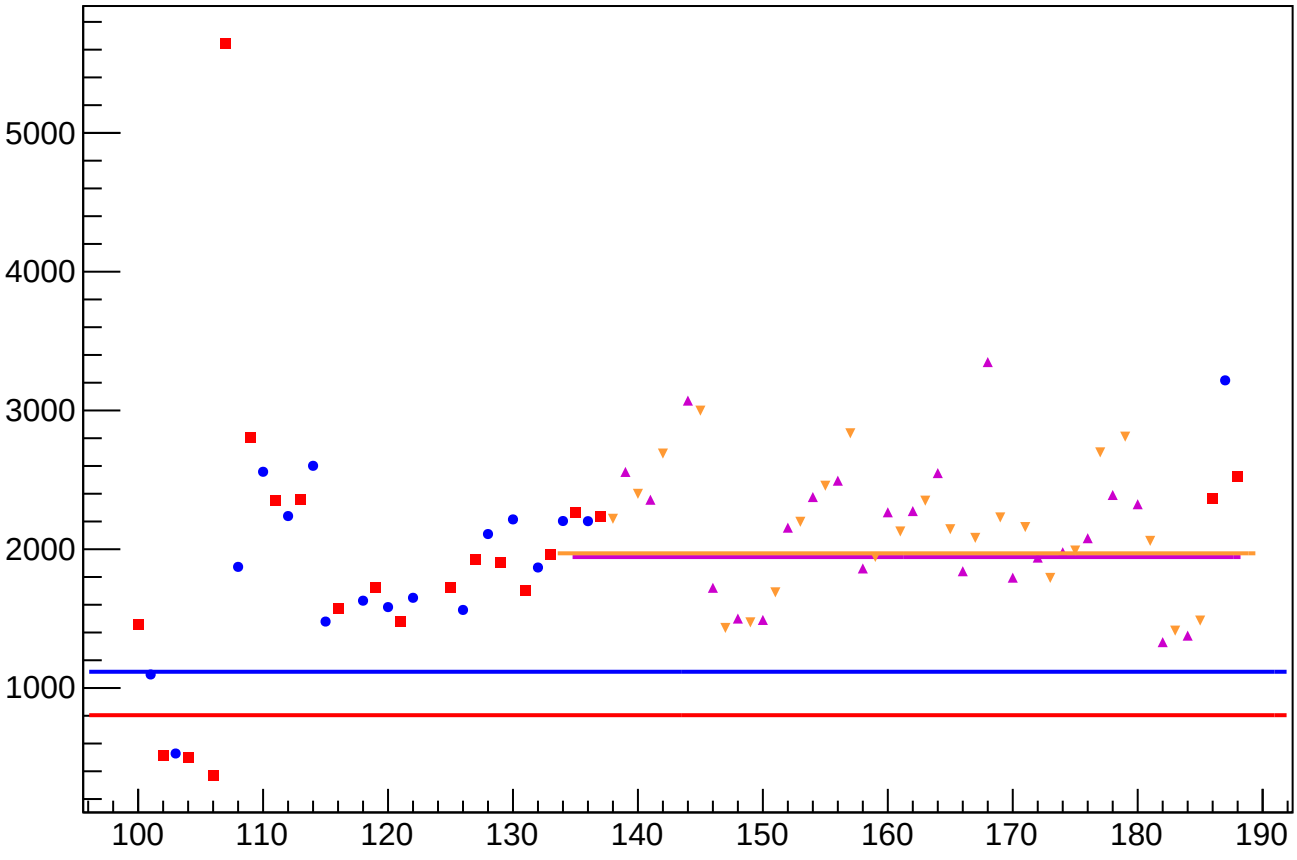
Right Out: 618.090+/-357.485 χ^2/NDF: 23.2/19

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

\+ sign -198.207+/-337.828 χ^2/NDF: 48.0/40

All: 179.896+/-217.428 χ^2/NDF: 86.8/83

\- sign 447.271+/-284.087 χ^2/NDF: 36.6/42



Right In: 1117.114+/-0.342 χ^2/NDF: 3906939.3/16

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 804.130+/-0.253 χ^2/NDF: 6846979.9/19

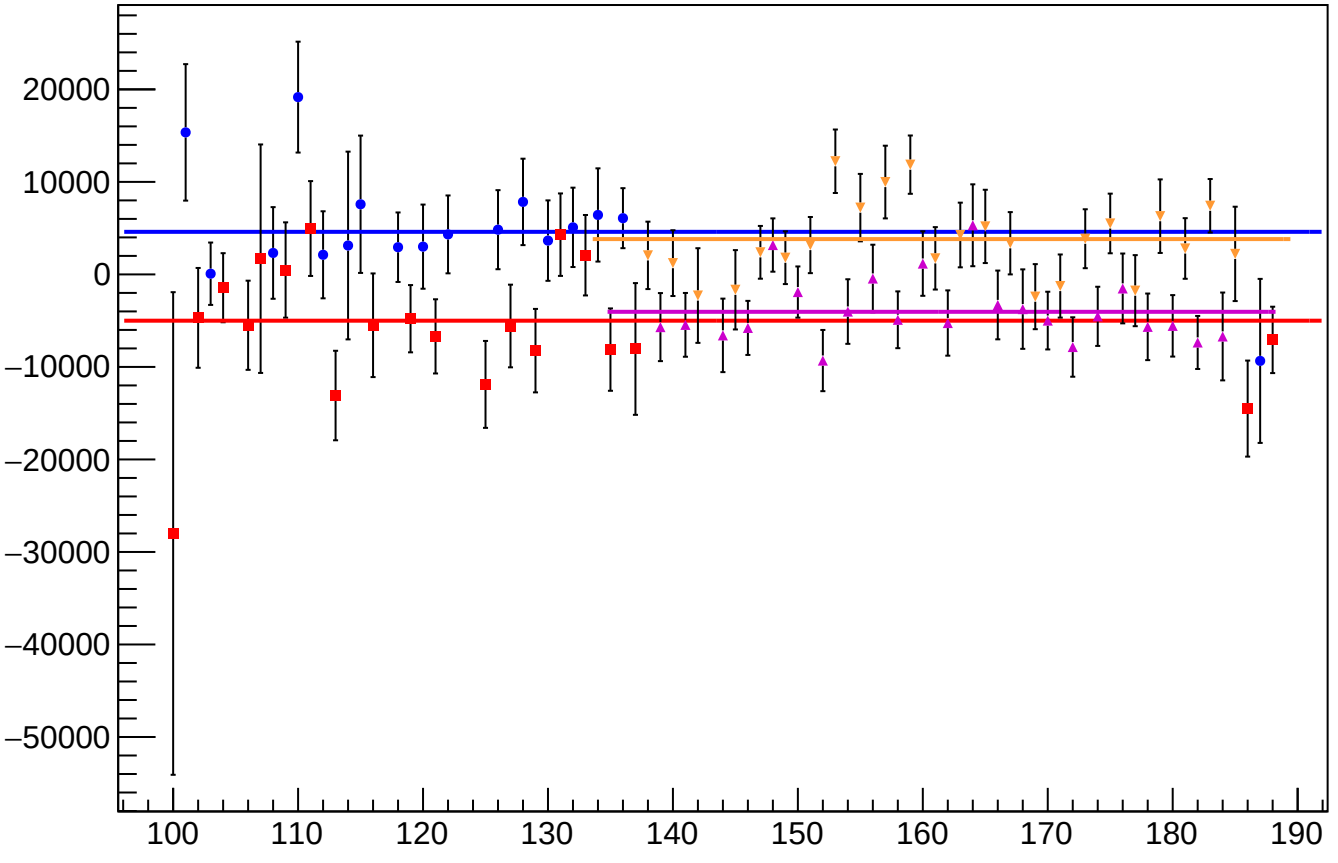
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1555.330+/-0.239 χ^2/NDF: 8793066.0/40

All: 1361.253+/-0.154 χ^2/NDF: 26137636.0/8

- sign 1224.012+/-0.201 χ^2/NDF: 16217739.5/42

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4602.082+/-1133.162 χ^2/NDF: 14.2/16

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -5001.964+/-1067.109 χ^2/NDF: 23.9/19

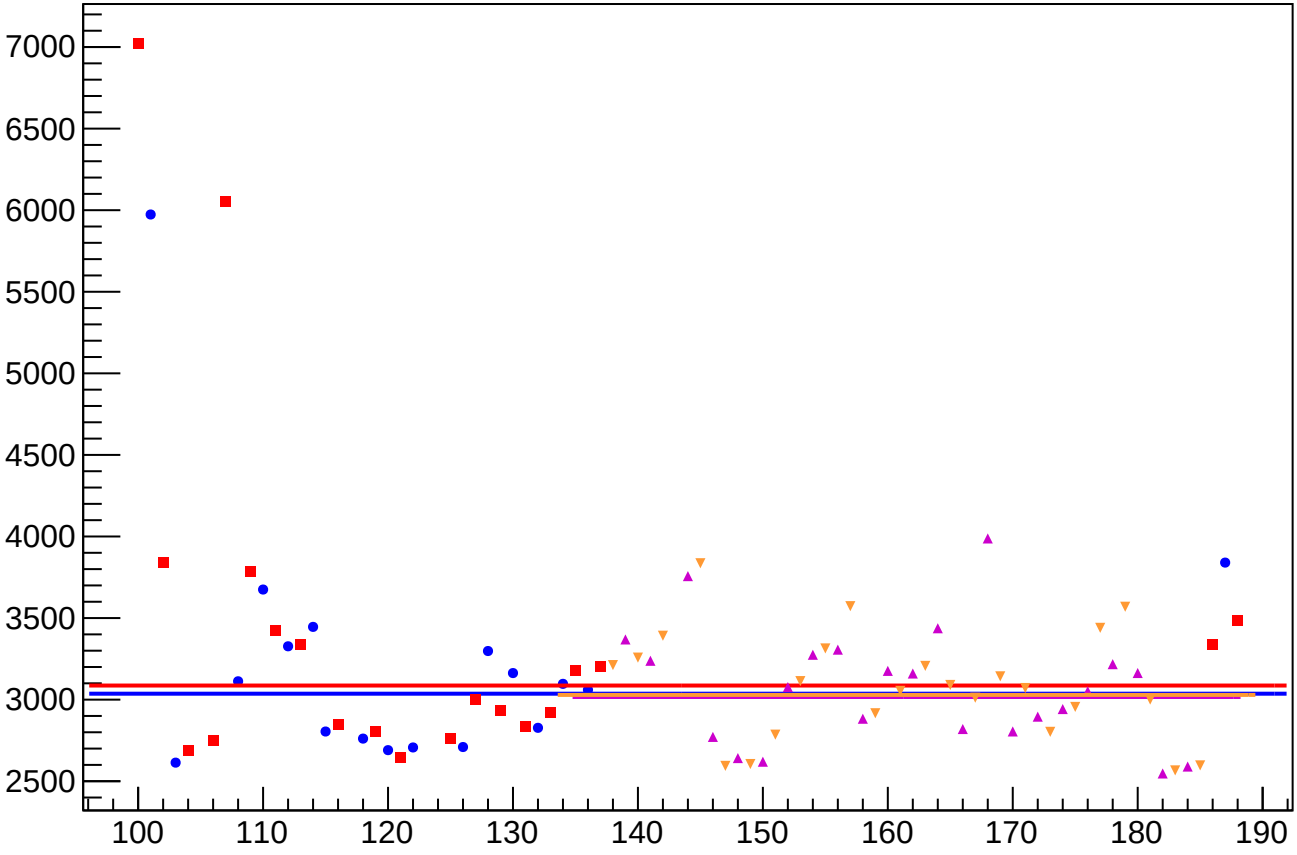
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4038.169+/-600.627 χ^2/NDF: 45.4/40

All: -217.810+/-421.215 χ^2/NDF: 191.2/83

- sign -4336.612+/-590.868 χ^2/NDF: 47.0/42

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3036.416+/-0.801 χ^2/NDF: 460411.0/16

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

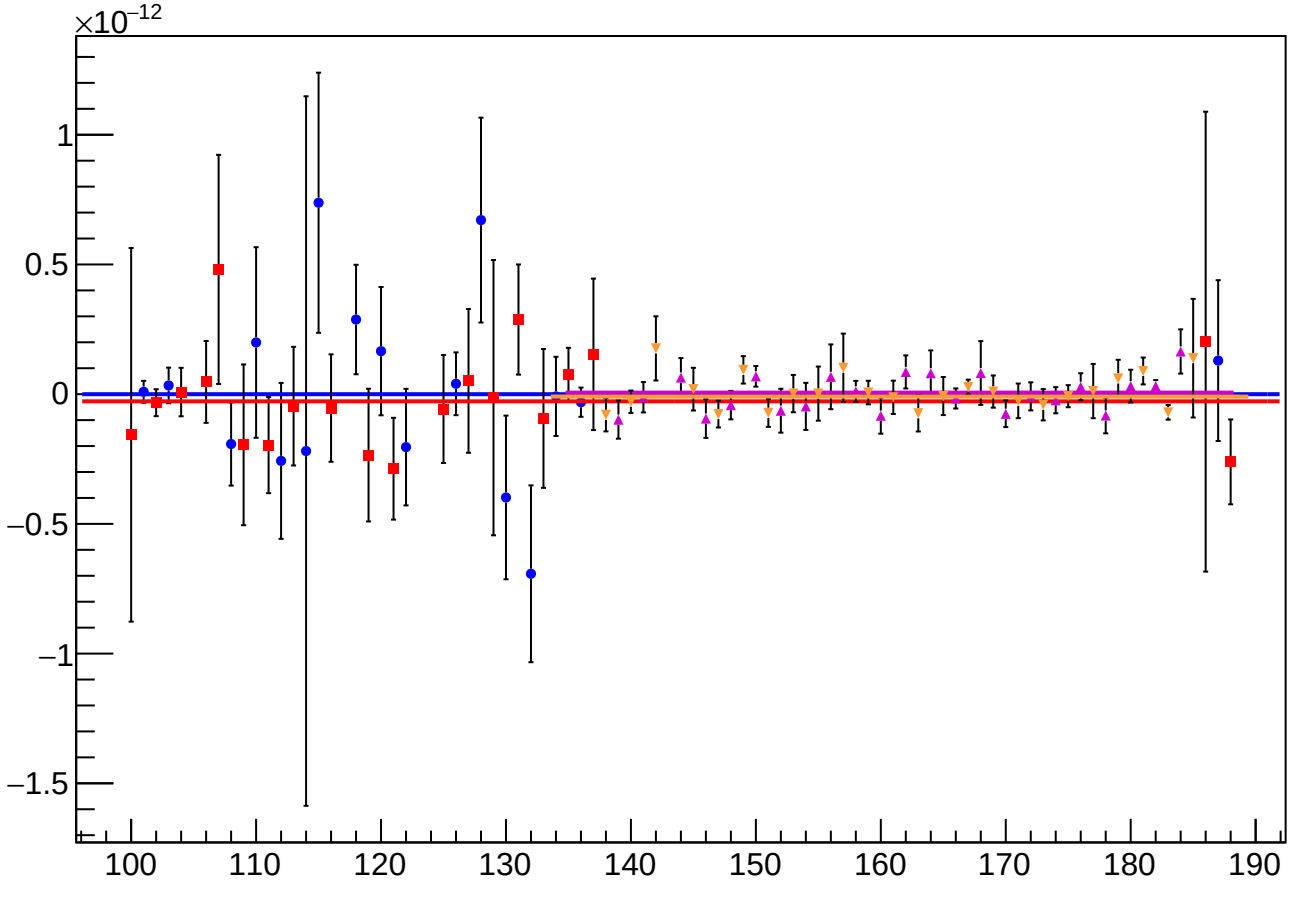
Right Out: 3086.446+/-0.755 χ^2/NDF: 376012.4/19

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

\+ sign 3031.071+/-0.425 χ^2/NDF: 857584.1/40

All: 3034.477+/-0.298 χ^2/NDF: 1679621.6/83

\- sign 3037.773+/-0.418 χ^2/NDF: 821911.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

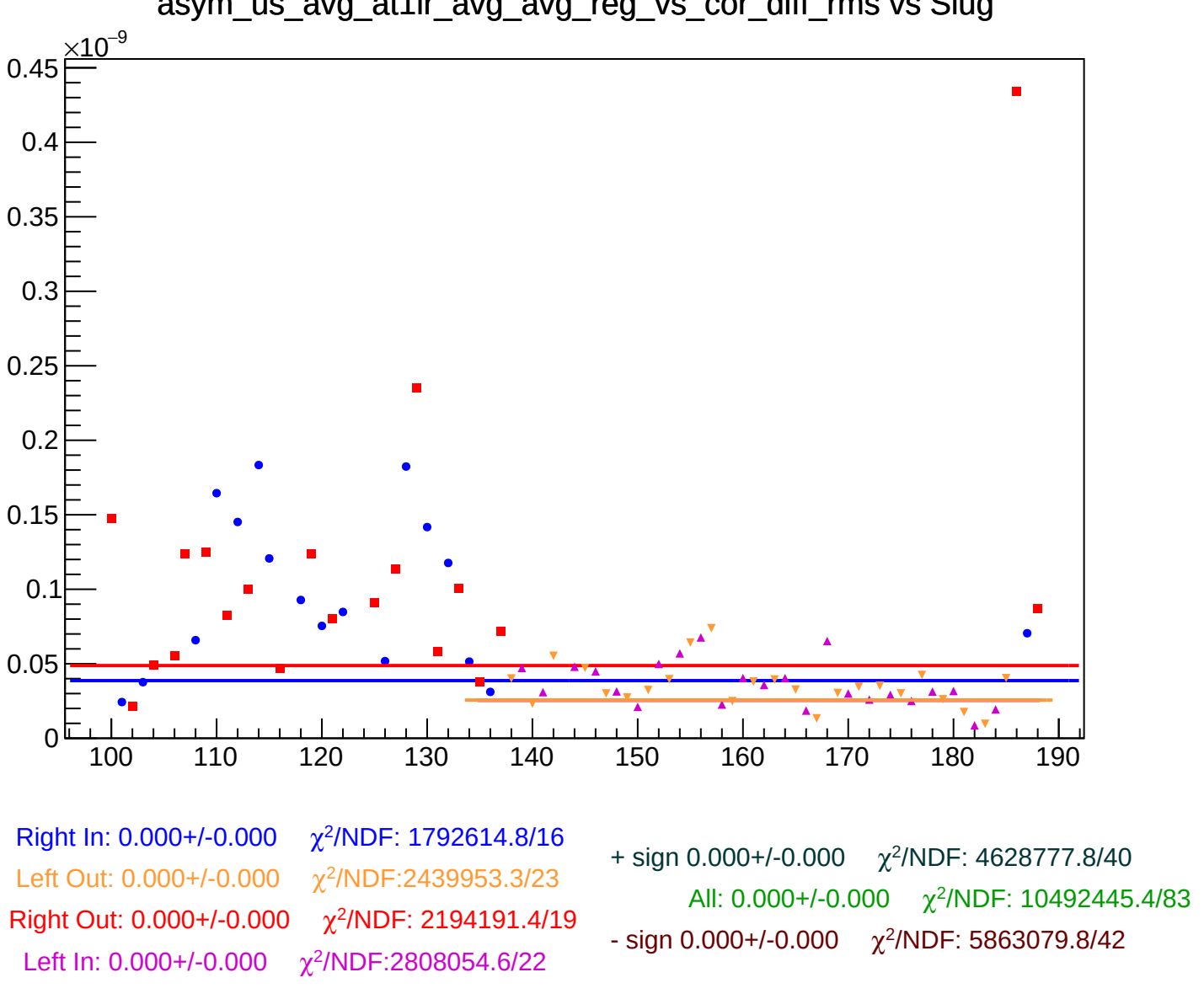
Right Out: -0.000+/-0.000 χ^2/NDF: 11.2/19

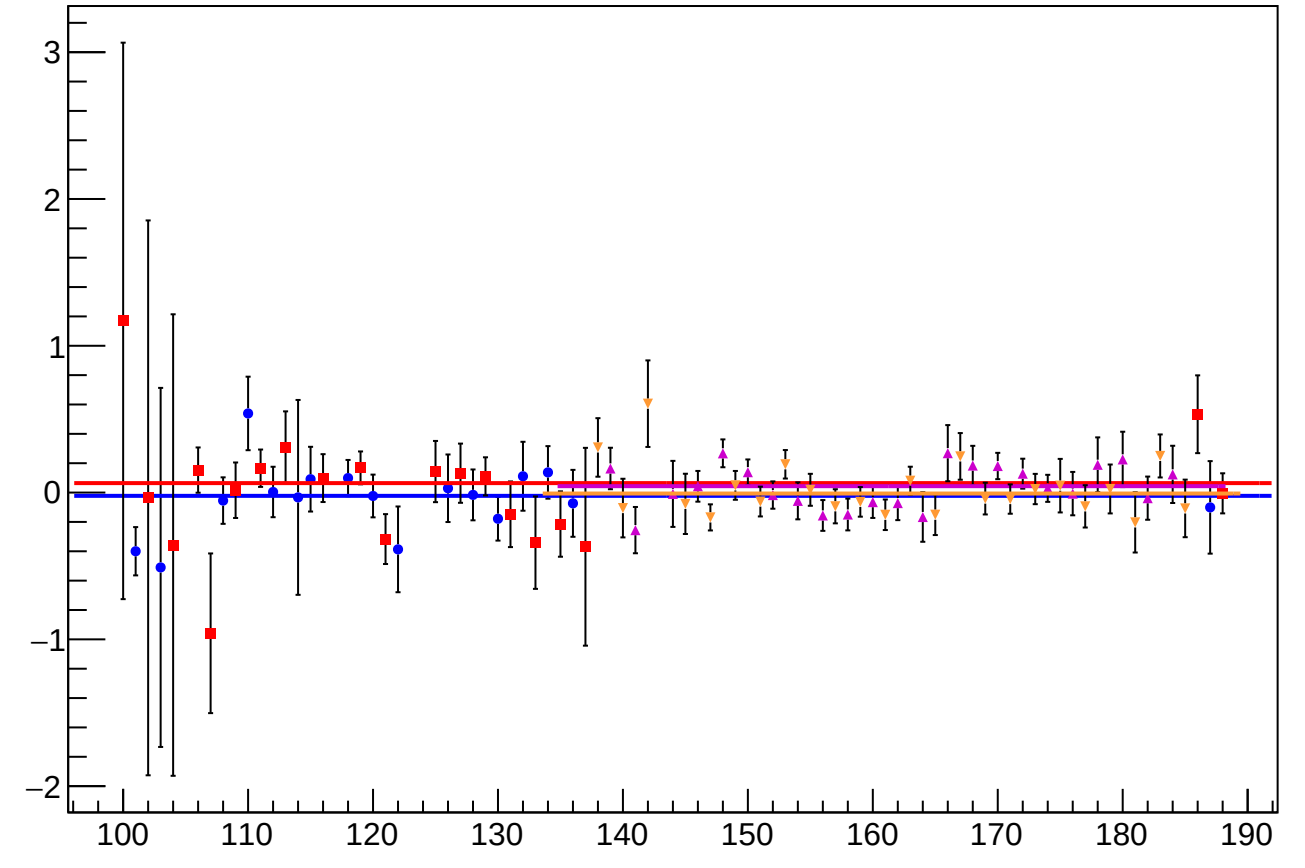
Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.6/40

All: -0.000+/-0.000 χ^2/NDF: 77.4/83

- sign 0.000+/-0.000 χ^2/NDF: 35.3/42


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1792614.8/16
Left Out: 0.000+/-0.000 χ²/NDF:2439953.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2194191.4/19
Left In: 0.000+/-0.000 χ²/NDF:2808054.6/22
+ sign 0.000+/-0.000 χ²/NDF: 4628777.8/40
All: 0.000+/-0.000 χ²/NDF: 10492445.4/83
- sign 0.000+/-0.000 χ²/NDF: 5863079.8/42



Right In: -0.022+/-0.047 χ^2/NDF: 15.7/16

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

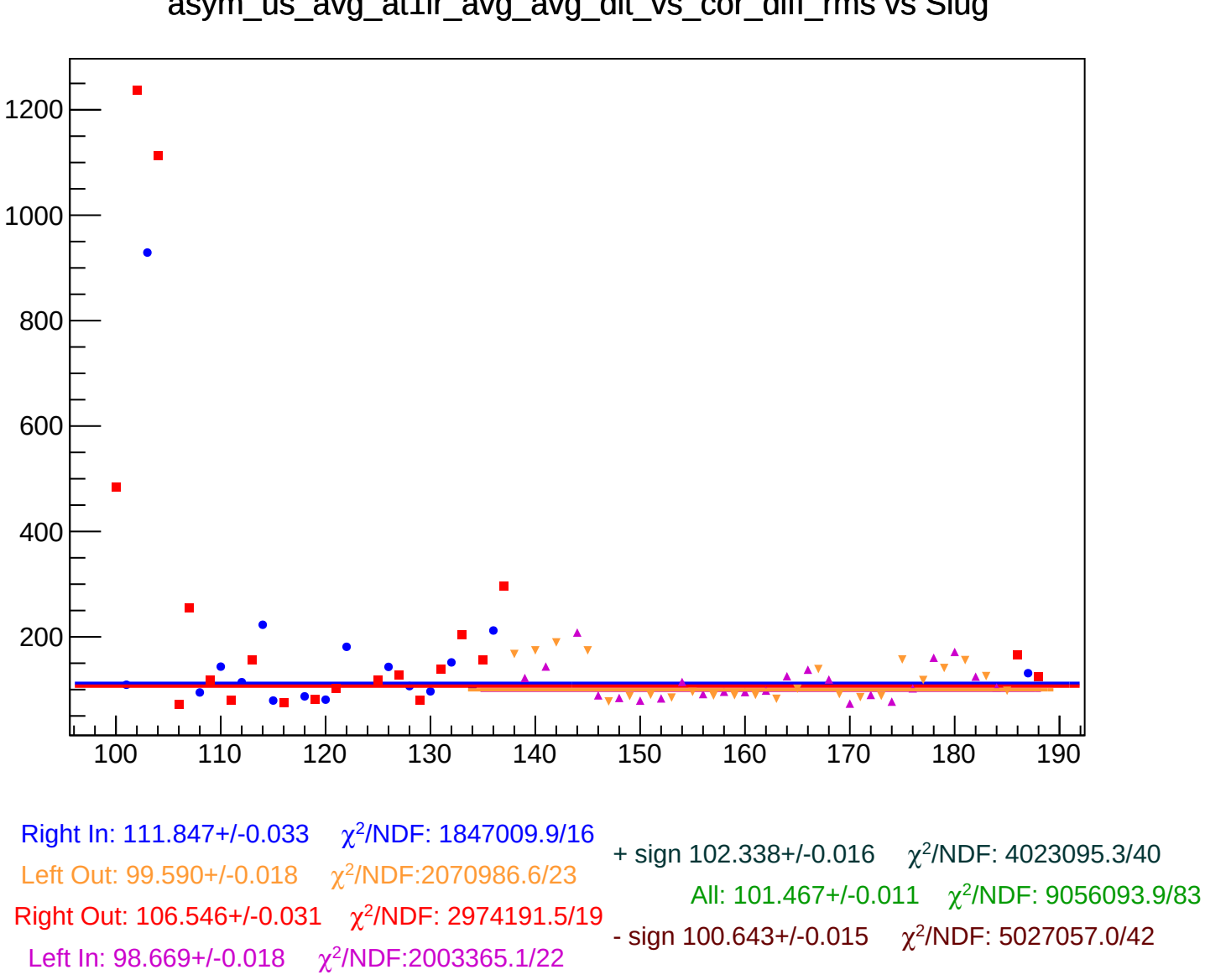
Right Out: 0.064+/-0.043 χ^2/NDF: 20.3/19

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

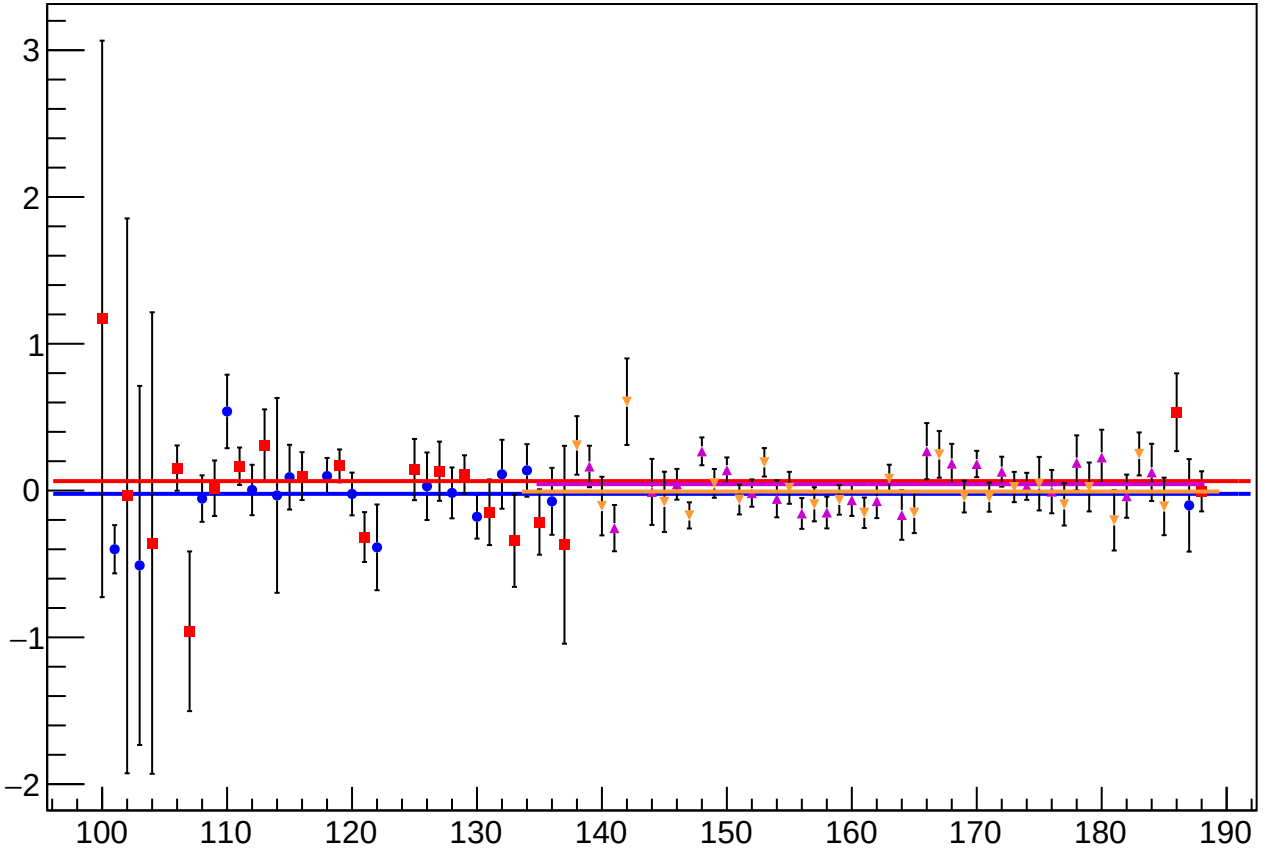
+ sign -0.010+/-0.022 χ^2/NDF: 43.5/40

All: 0.020+/-0.016 χ^2/NDF: 97.7/83

- sign 0.049+/-0.022 χ^2/NDF: 50.7/42


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 111.847+/-0.033 χ²/NDF: 1847009.9/16
Left Out: 99.590+/-0.018 χ²/NDF:2070986.6/23
Right Out: 106.546+/-0.031 χ²/NDF: 2974191.5/19
Left In: 98.669+/-0.018 χ²/NDF:2003365.1/22
+ sign 102.338+/-0.016 χ²/NDF: 4023095.3/40
All: 101.467+/-0.011 χ²/NDF: 9056093.9/83
- sign 100.643+/-0.015 χ²/NDF: 5027057.0/42

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.022+/-0.047 χ^2/NDF: 15.7/16

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

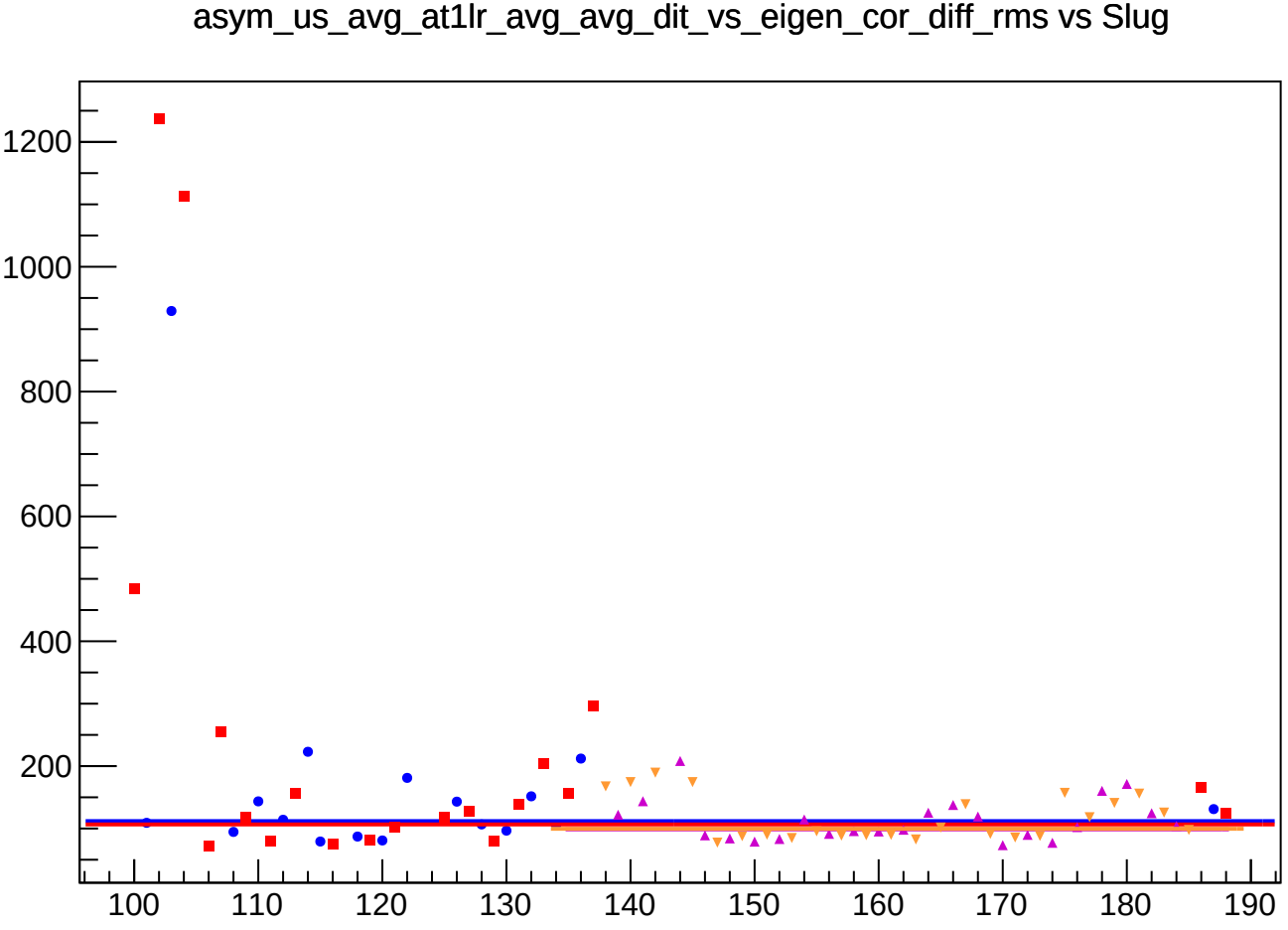
Right Out: 0.064+/-0.043 χ^2/NDF: 20.3/19

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.010+/-0.022 χ^2/NDF: 43.5/40

All: 0.020+/-0.016 χ^2/NDF: 97.7/83

- sign 0.049+/-0.022 χ^2/NDF: 50.7/42



Right In: 111.847+/-0.033 χ^2/NDF: 1847009.9/16

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

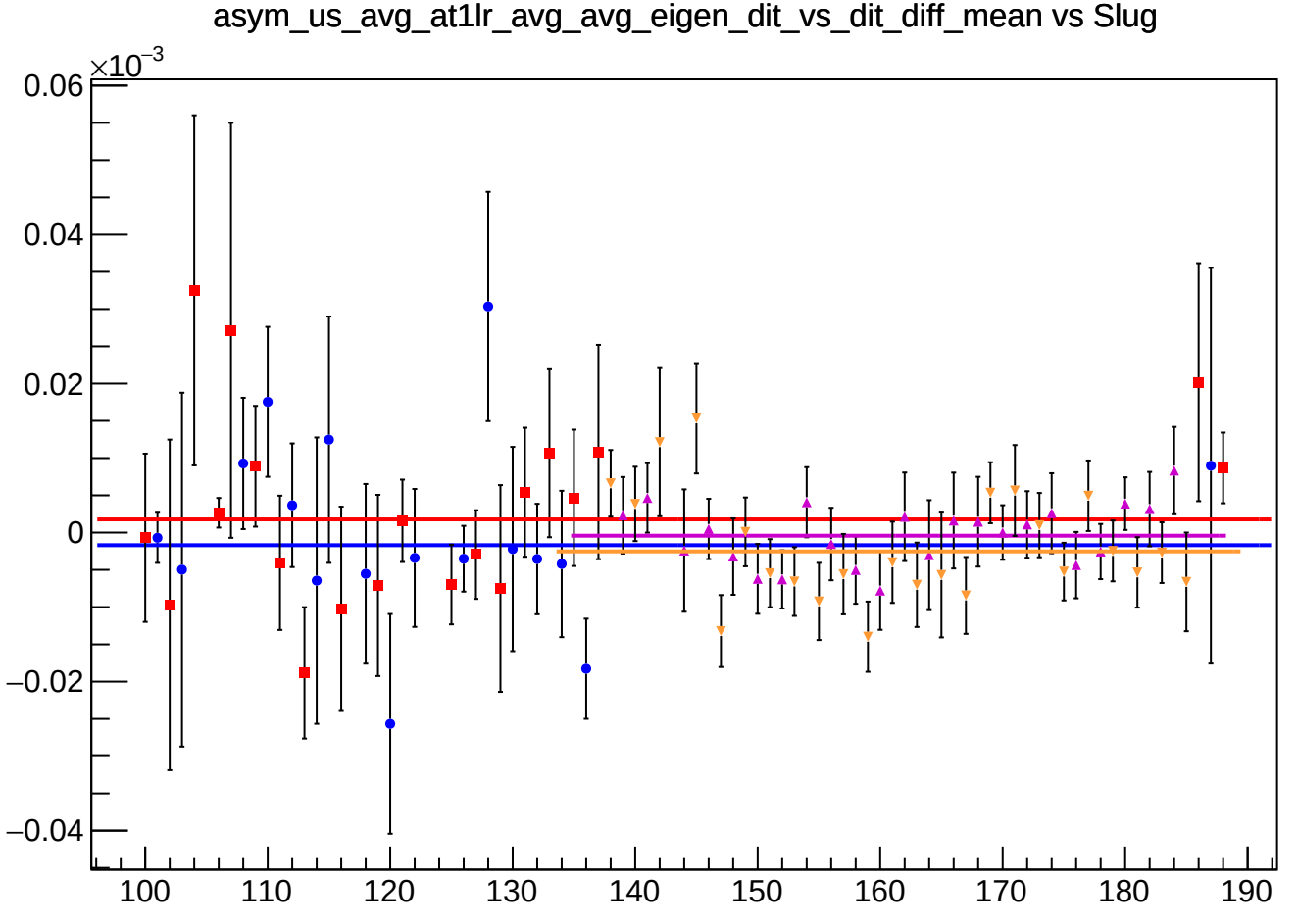
Right Out: 106.546+/-0.031 χ^2/NDF: 2974191.5/19

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.338+/-0.016 χ^2/NDF: 4023095.3/40

All: 101.467+/-0.011 χ^2/NDF: 9056093.9/83

- sign 100.643+/-0.015 χ^2/NDF: 5027057.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

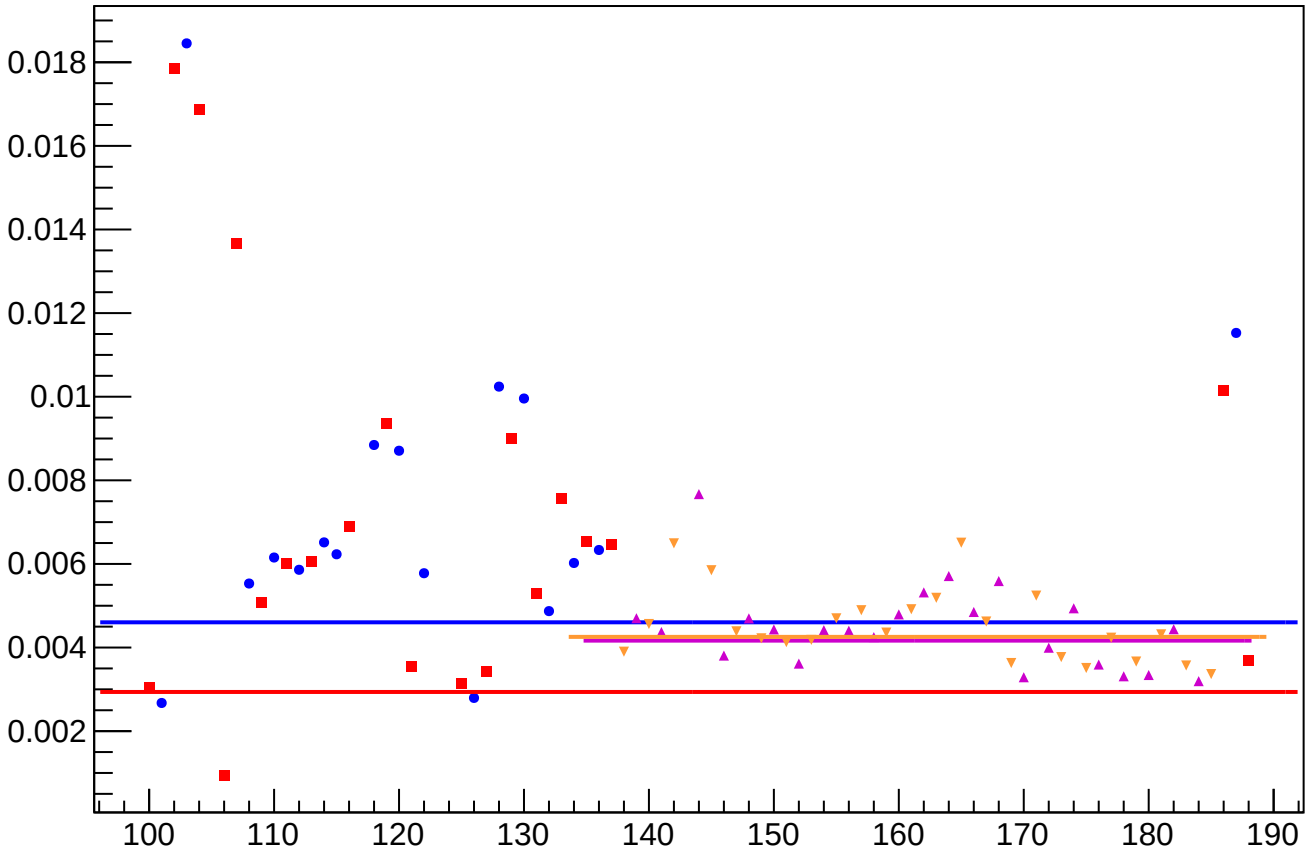
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/19

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.5/40

All: -0.000+/-0.000 χ^2/NDF: 102.4/83

- sign 0.000+/-0.000 χ^2/NDF: 37.0/42



Right In: 0.005+/-0.000 χ^2/NDF: 3148954.6/16

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 7083132.1/19

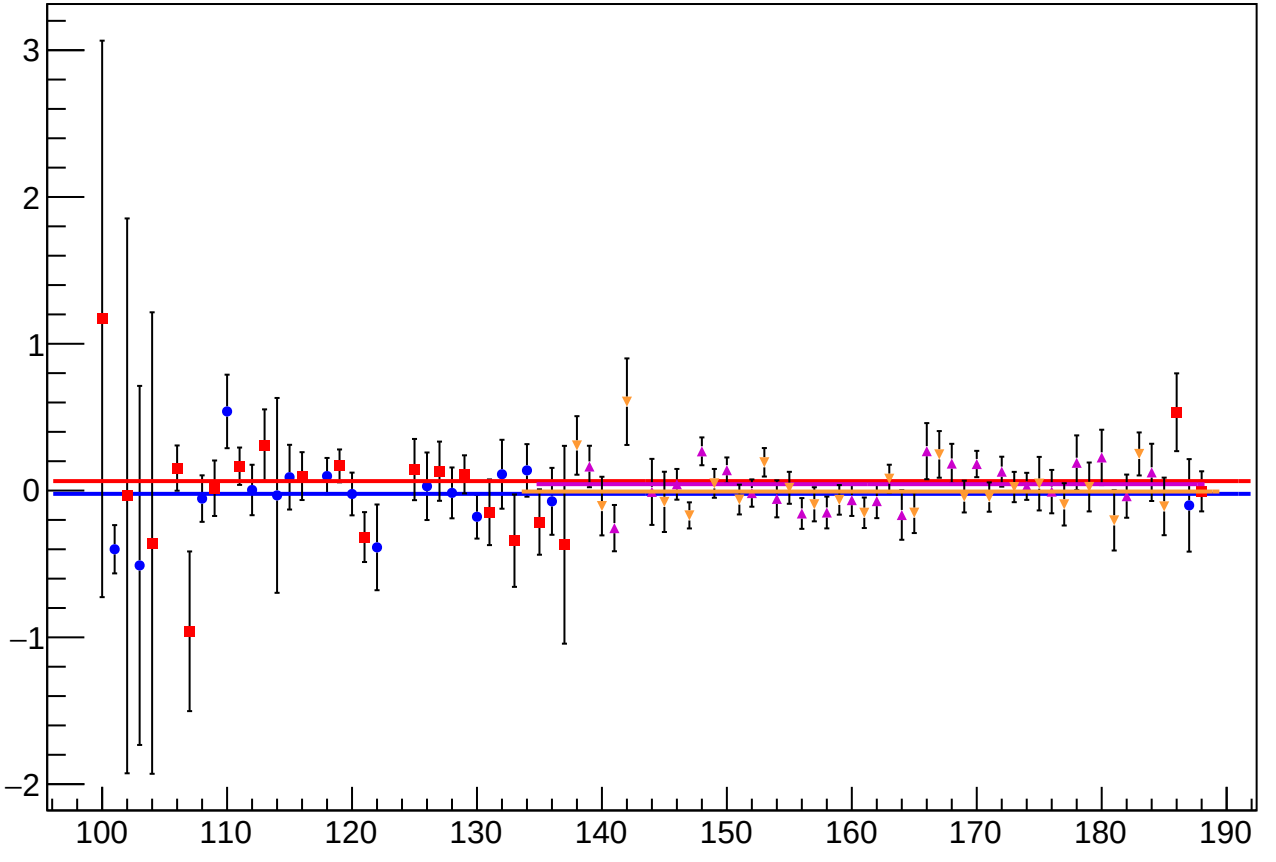
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 4033465.9/40

All: 0.004+/-0.000 χ^2/NDF: 13863719.9/83

- sign 0.004+/-0.000 χ^2/NDF: 9378444.1/42

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.022+/-0.047 χ^2/NDF: 15.7/16

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

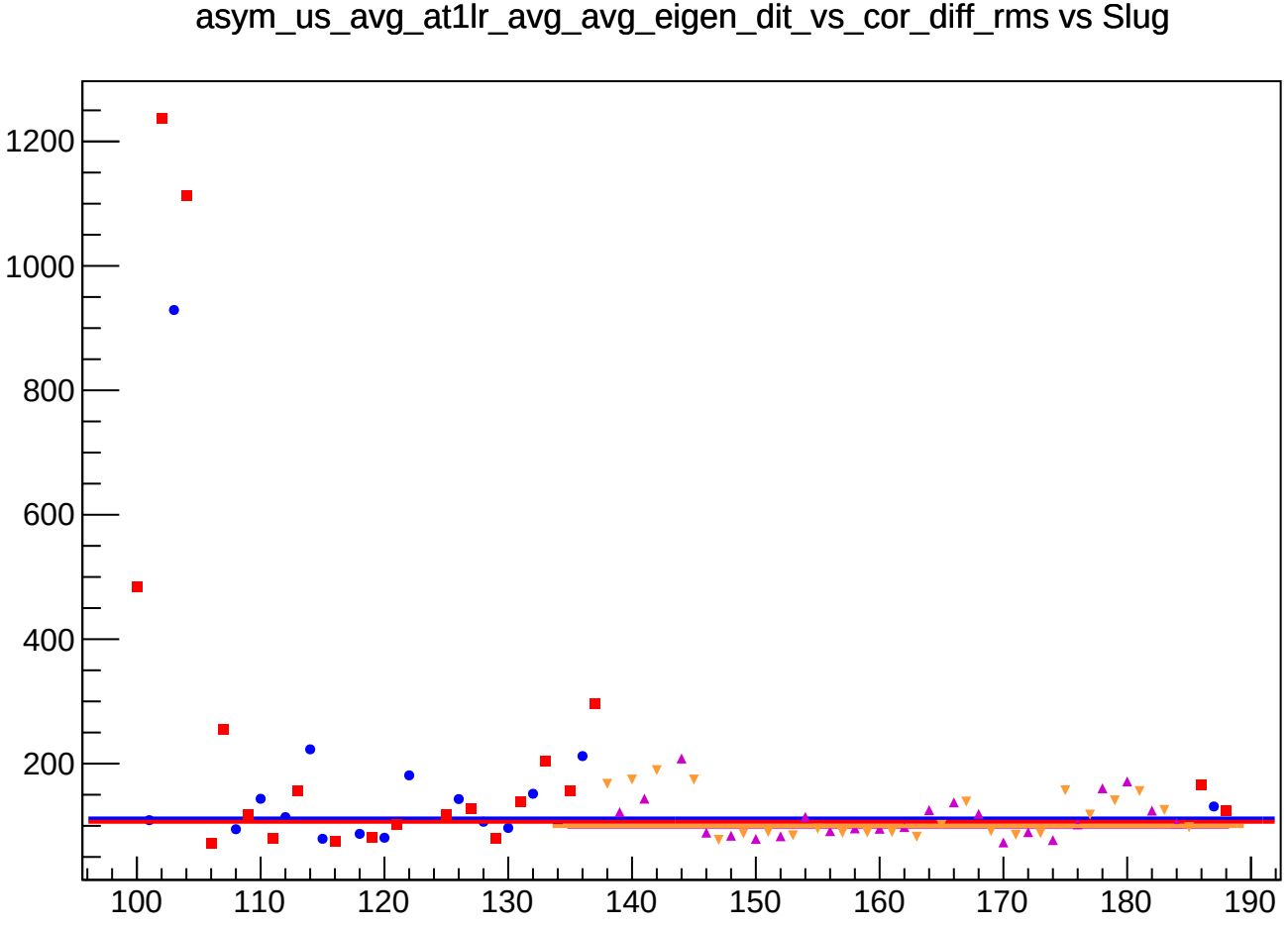
Right Out: 0.064+/-0.043 χ^2/NDF: 20.3/19

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.010+/-0.022 χ^2/NDF: 43.5/40

All: 0.020+/-0.016 χ^2/NDF: 97.7/83

- sign 0.049+/-0.022 χ^2/NDF: 50.7/42



Right In: 111.844+/-0.033 χ^2/NDF: 1847063.8/16

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 106.544+/-0.031 χ^2/NDF: 2974211.7/19

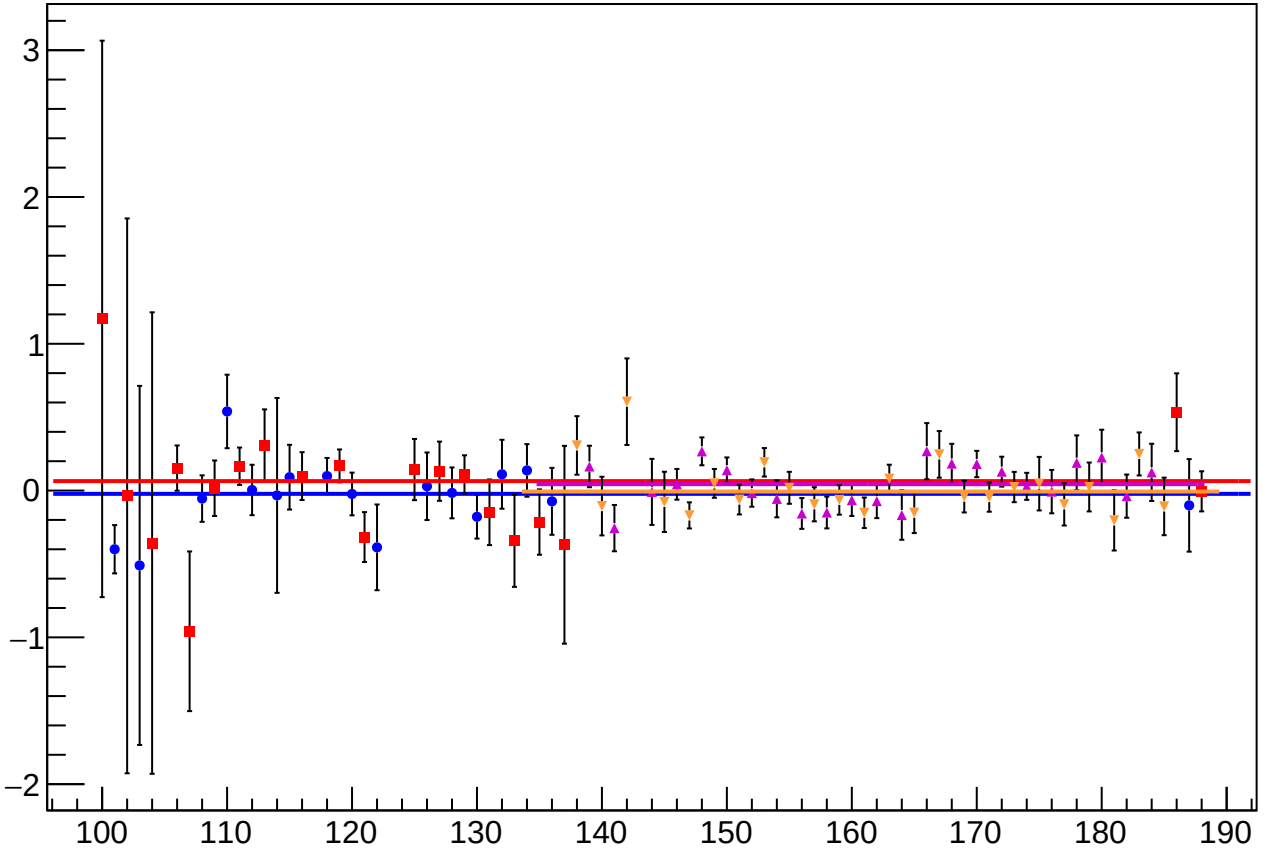
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.338+/-0.016 χ^2/NDF: 4023061.8/40

All: 101.467+/-0.011 χ^2/NDF: 9056027.4/83

- sign 100.643+/-0.015 χ^2/NDF: 5027023.6/42

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.022+/-0.047 χ^2/NDF: 15.7/16

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

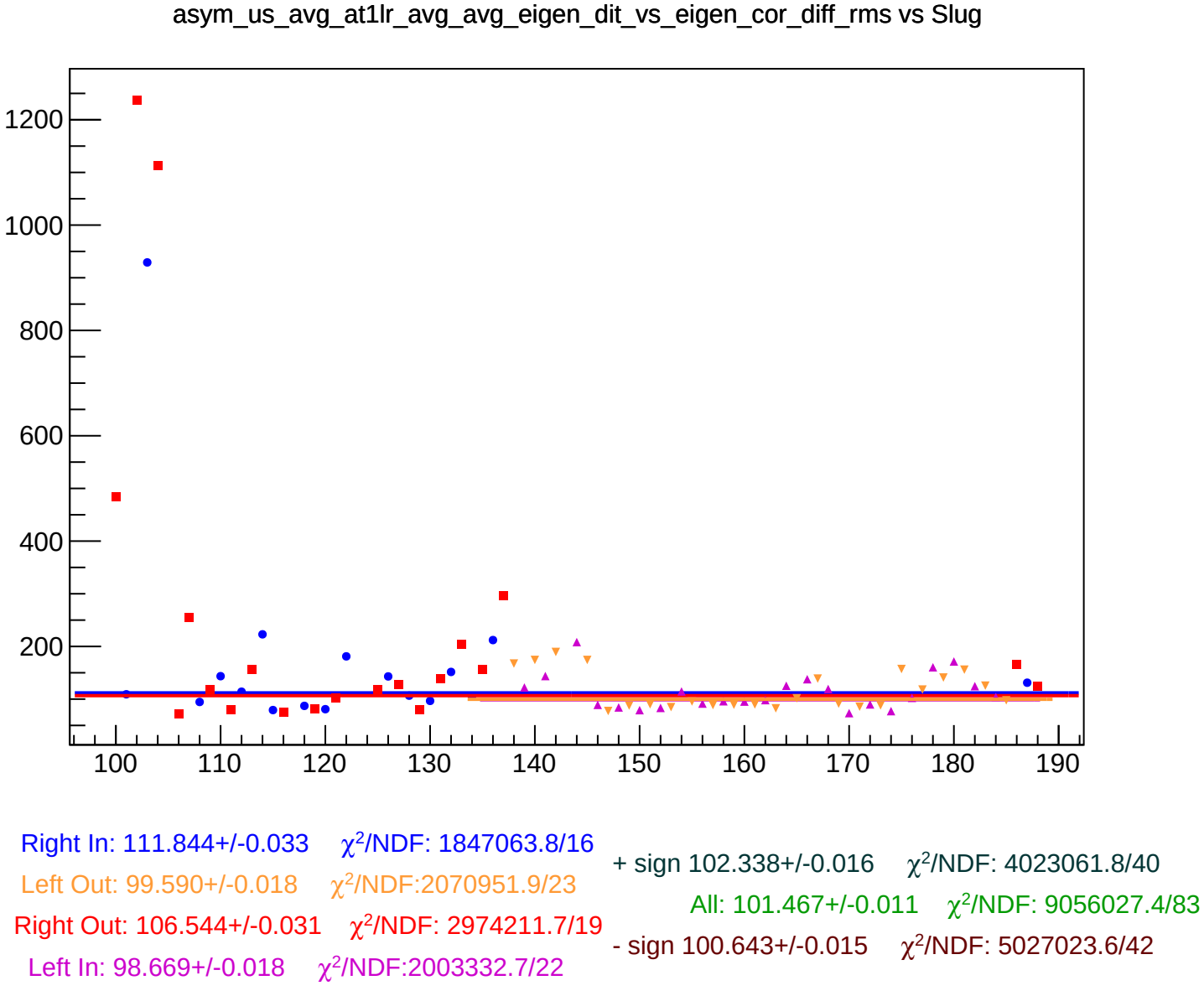
Right Out: 0.064+/-0.043 χ^2/NDF: 20.3/19

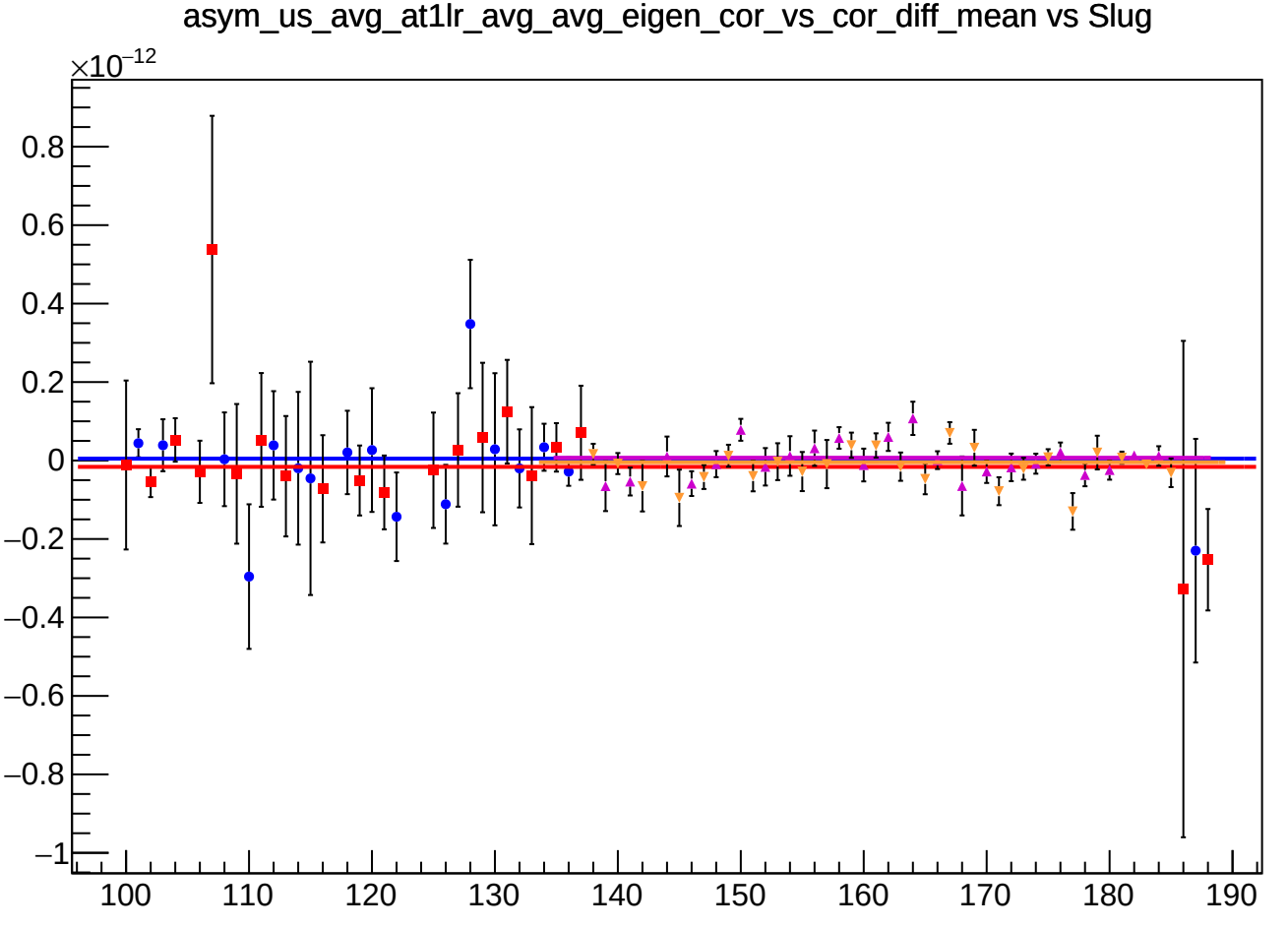
Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.010+/-0.022 χ^2/NDF: 43.5/40

All: 0.020+/-0.016 χ^2/NDF: 97.7/83

- sign 0.049+/-0.022 χ^2/NDF: 50.7/42


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 111.844+/-0.033 χ²/NDF: 1847063.8/16
Left Out: 99.590+/-0.018 χ²/NDF:2070951.9/23
Right Out: 106.544+/-0.031 χ²/NDF: 2974211.7/19
Left In: 98.669+/-0.018 χ²/NDF:2003332.7/22
+ sign 102.338+/-0.016 χ²/NDF: 4023061.8/40
All: 101.467+/-0.011 χ²/NDF: 9056027.4/83
- sign 100.643+/-0.015 χ²/NDF: 5027023.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

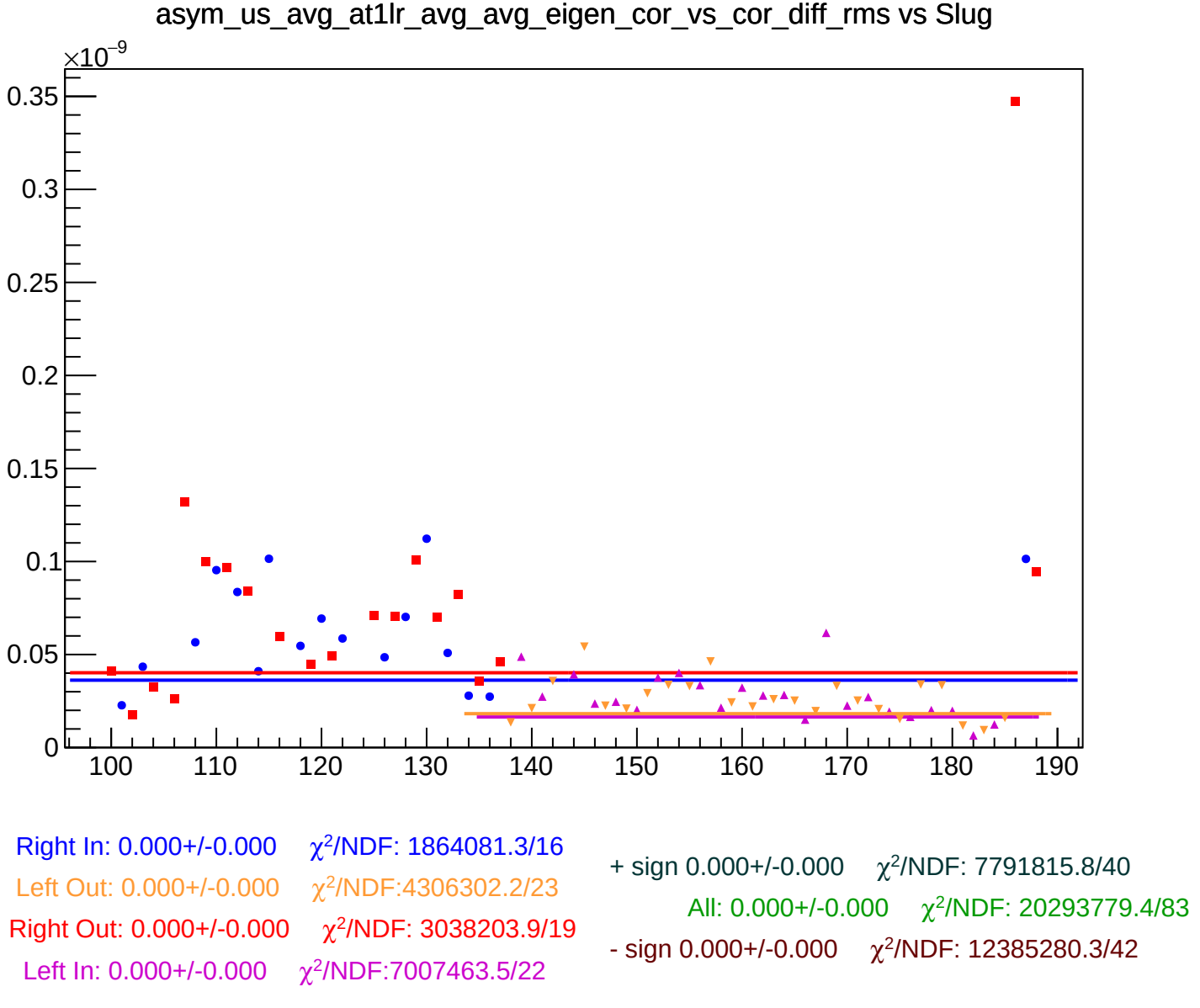
Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/19

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

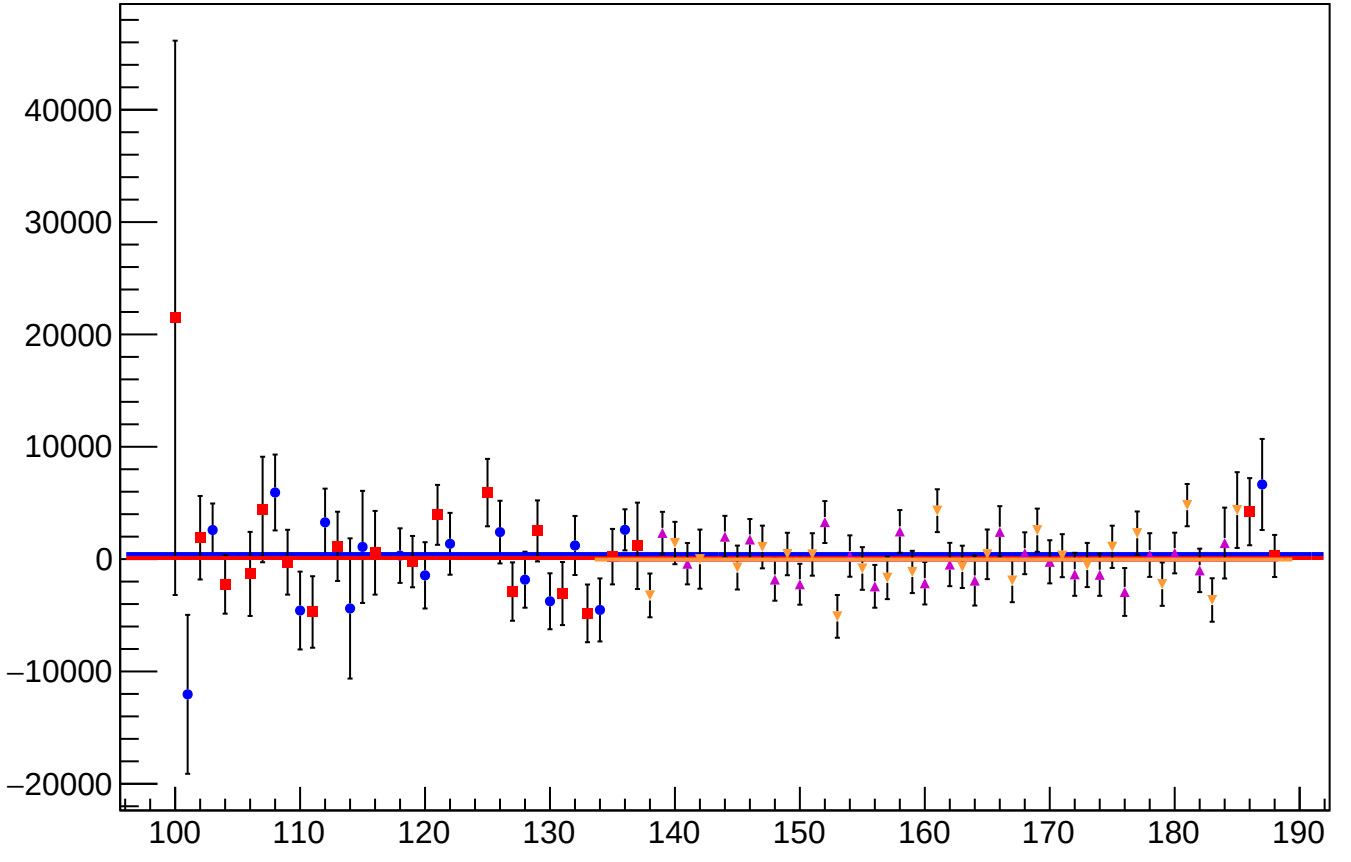
\+ sign -0.000+/-0.000 χ^2/NDF: 46.7/40

All: 0.000+/-0.000 χ^2/NDF: 96.9/83

\- sign 0.000+/-0.000 χ^2/NDF: 48.7/42


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1864081.3/16
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 3038203.9/19
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
+ sign 0.000+/-0.000 χ²/NDF: 7791815.8/40
All: 0.000+/-0.000 χ²/NDF: 20293779.4/83
- sign 0.000+/-0.000 χ²/NDF: 12385280.3/42

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 449.442+/-699.066 χ^2/NDF: 21.8/16

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 100.730+/-649.889 χ^2/NDF: 20.1/19

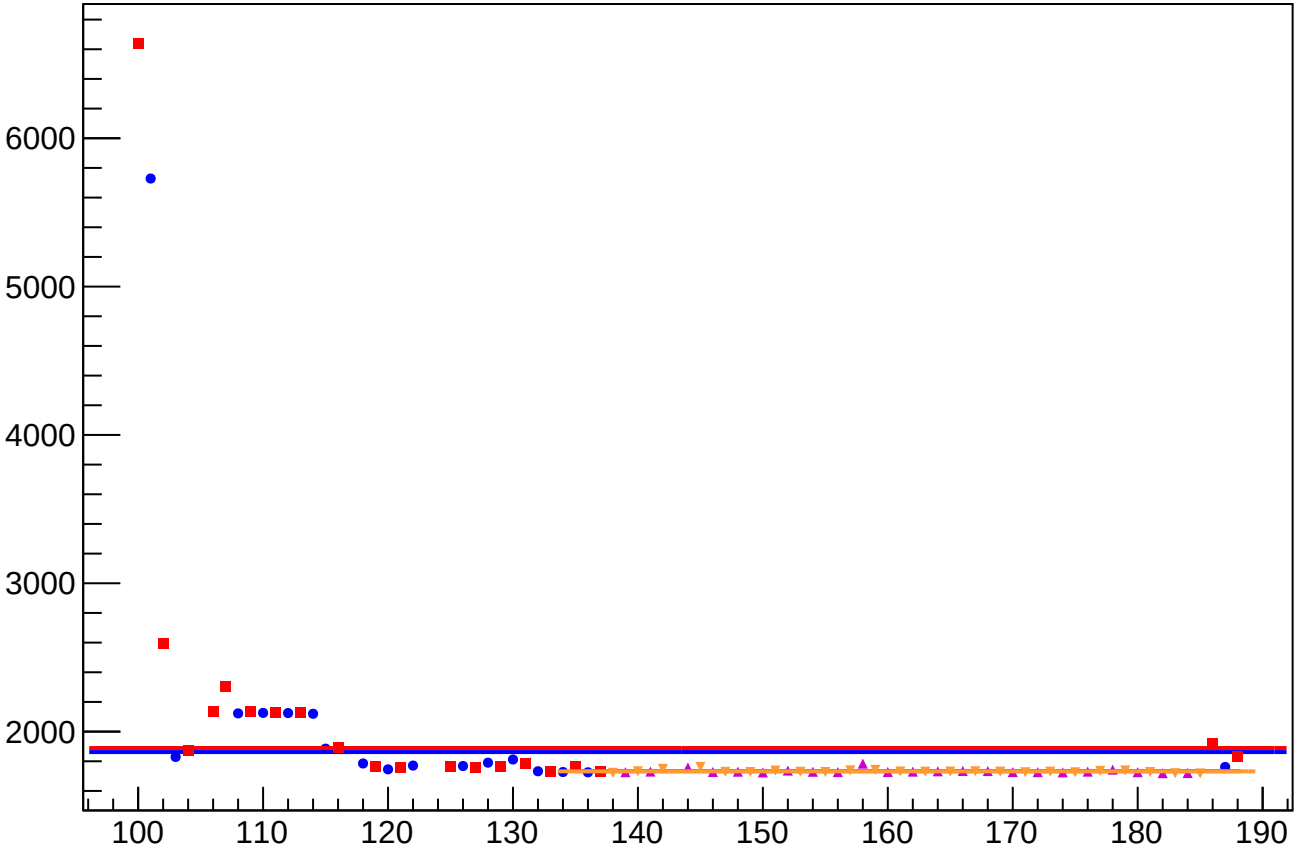
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

\+ sign 85.526+/-348.469 χ^2/NDF: 57.6/40

All: 37.135+/-244.643 χ^2/NDF: 97.2/83

\- sign -9.897+/-343.538 χ^2/NDF: 39.6/42

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1862.093+/-0.494 χ^2/NDF: 673988.8/16

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

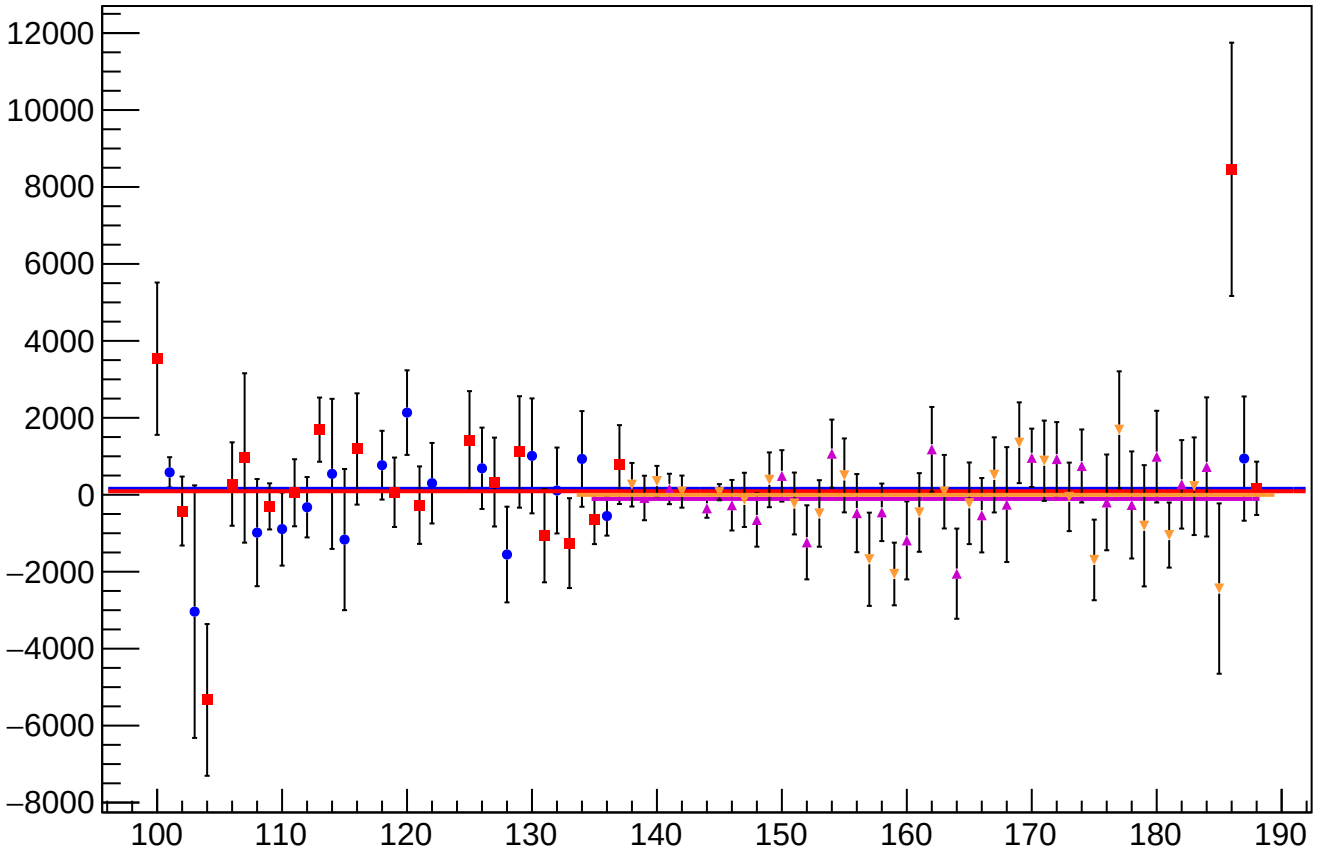
Right Out: 1889.305+/-0.460 χ^2/NDF: 252871.6/19

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1764.314+/-0.246 χ^2/NDF: 726990.6/40

All: 1770.699+/-0.173 χ^2/NDF: 1066443.6/83

- sign 1776.903+/-0.243 χ^2/NDF: 338129.3/42



Right In: 154.407+/-218.084 χ^2/NDF: 13.7/16

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

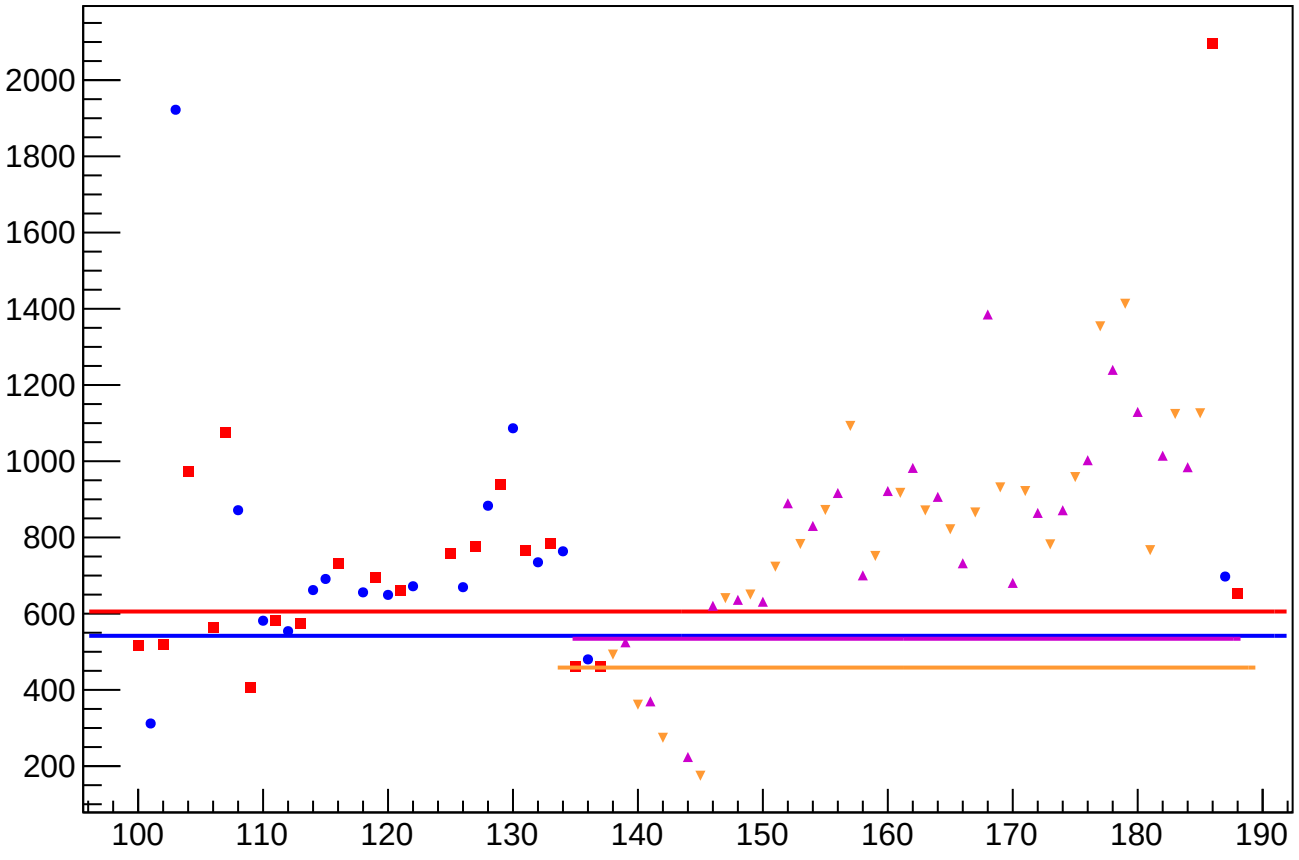
Right Out: 91.457+/-224.776 χ^2/NDF: 27.9/19

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 38.731+/-111.698 χ^2/NDF: 34.4/40

All: -2.440+/-82.025 χ^2/NDF: 80.1/83

- sign -50.627+/-120.842 χ^2/NDF: 45.5/42



Right In: 541.906+/-0.154 χ^2/NDF: 1873477.2/16

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 605.647+/-0.159 χ^2/NDF: 1269255.8/19

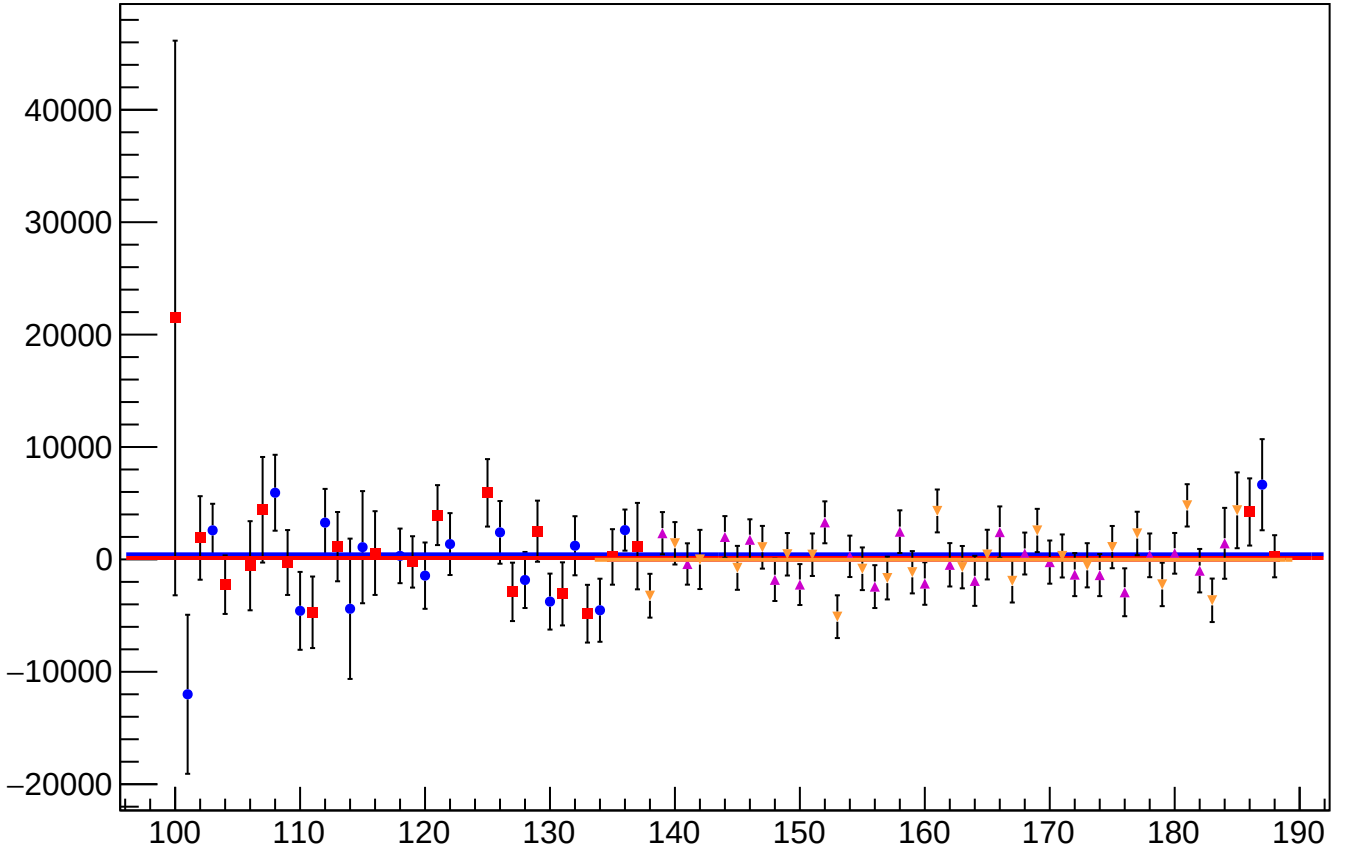
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 480.438+/-0.079 χ^2/NDF: 13515598.1/40

All: 514.710+/-0.058 χ^2/NDF: 23780621.3/83

- sign 554.822+/-0.085 χ^2/NDF: 9856373.8/42

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 449.619+/-699.066 χ^2/NDF: 21.8/16

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 125.931+/-650.959 χ^2/NDF: 20.0/19

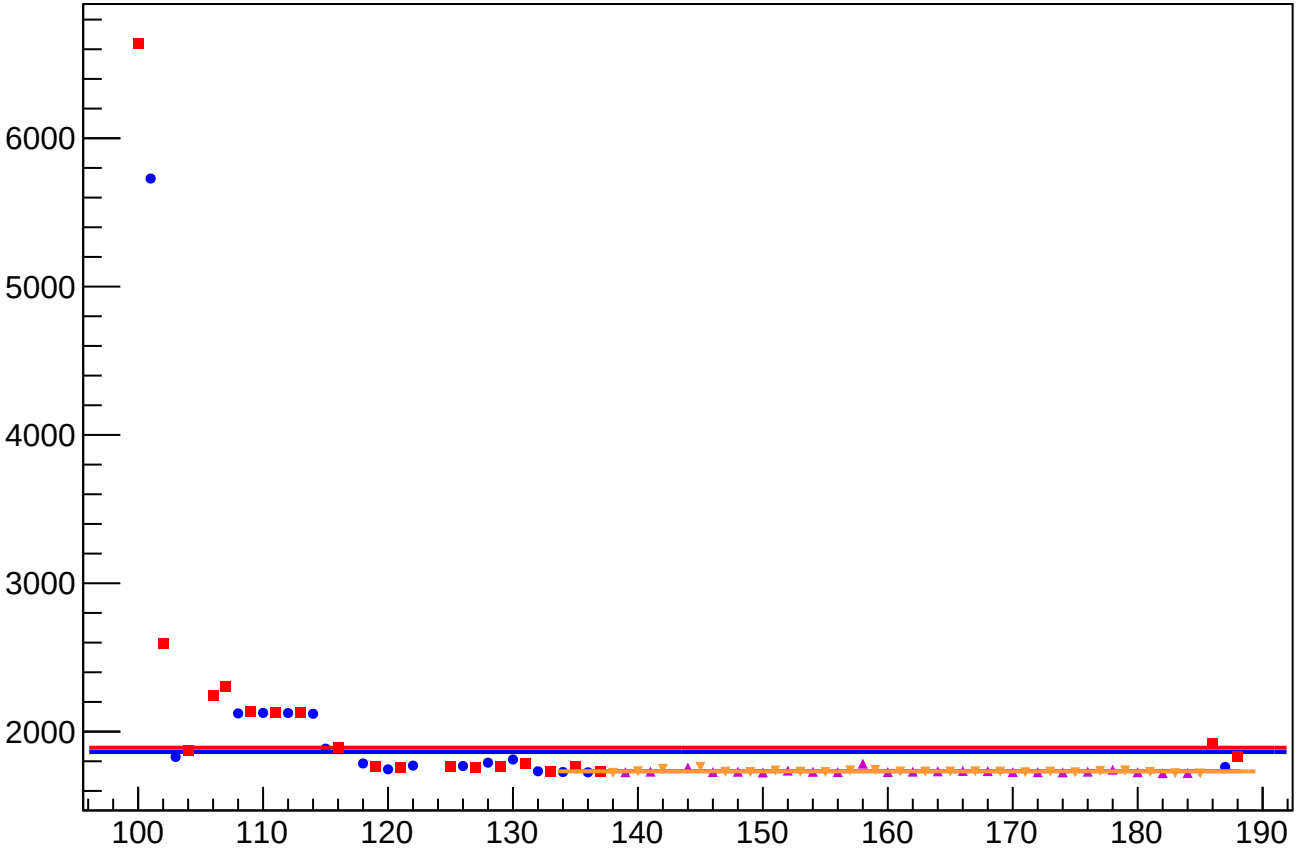
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 85.612+/-348.469 χ^2/NDF: 57.6/40

All: 40.739+/-244.700 χ^2/NDF: 97.0/83

- sign -2.913+/-343.696 χ^2/NDF: 39.5/42

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1862.093+/-0.494 χ^2/NDF: 673988.8/16

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

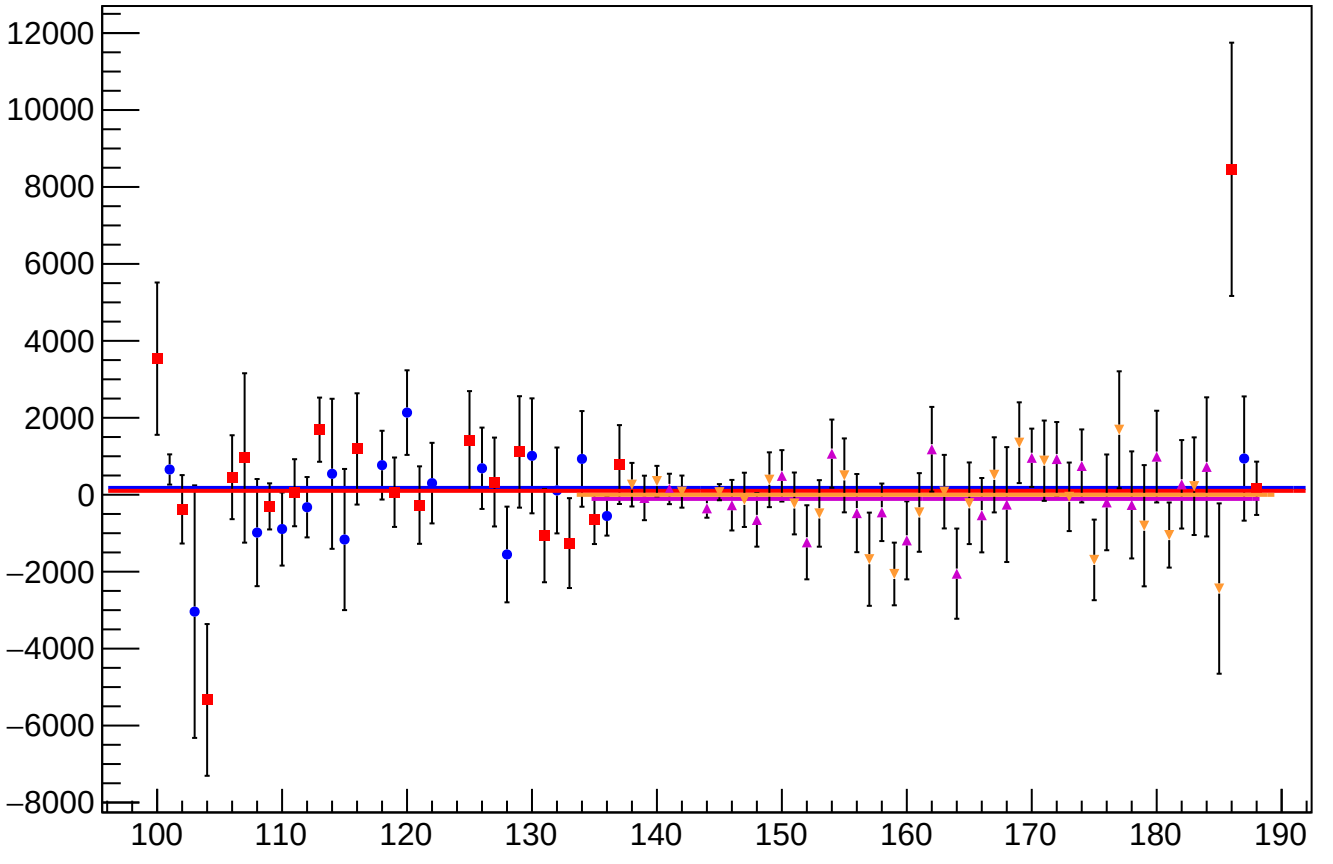
Right Out: 1891.324+/-0.460 χ^2/NDF: 259918.2/19

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1764.314+/-0.246 χ^2/NDF: 726990.4/40

All: 1770.929+/-0.173 χ^2/NDF: 1075549.1/83

- sign 1777.363+/-0.243 χ^2/NDF: 347137.2/42



Right In: 177.327+/-218.010 χ^2/NDF: 14.1/16

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

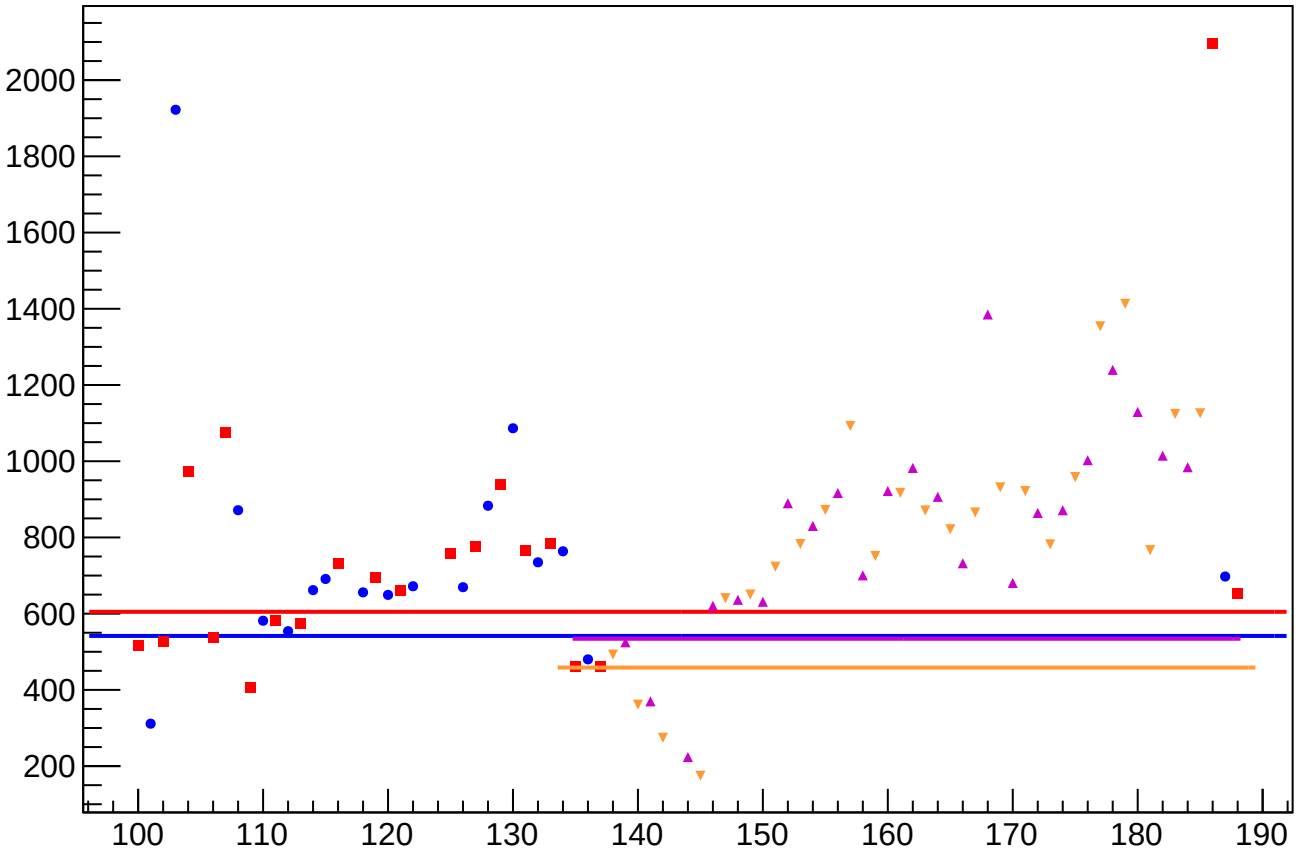
Right Out: 101.204+/-224.728 χ^2/NDF: 27.9/19

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 44.677+/-111.690 χ^2/NDF: 34.9/40

All: 2.084+/-82.019 χ^2/NDF: 80.8/83

- sign -47.771+/-120.835 χ^2/NDF: 45.6/42



Right In: 541.597+/-0.154 χ^2/NDF: 1877874.9/16

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

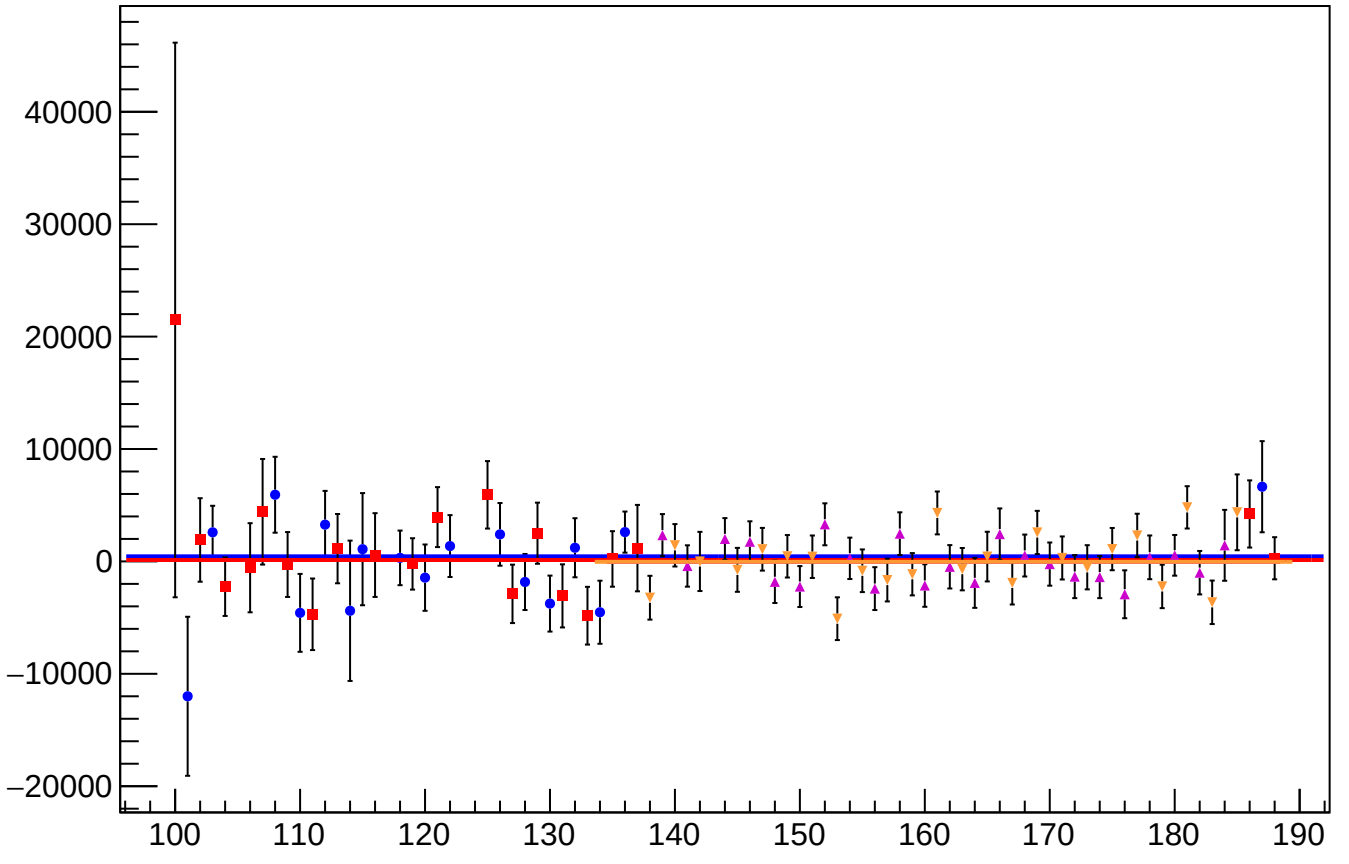
Right Out: 604.875+/-0.159 χ^2/NDF: 1271546.0/19

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 480.376+/-0.079 χ^2/NDF: 13518039.8/40

All: 514.578+/-0.058 χ^2/NDF: 23780209.5/83

- sign 554.611+/-0.085 χ^2/NDF: 9855104.7/42



Right In: 449.619+/-699.066 χ^2/NDF: 21.8/16

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

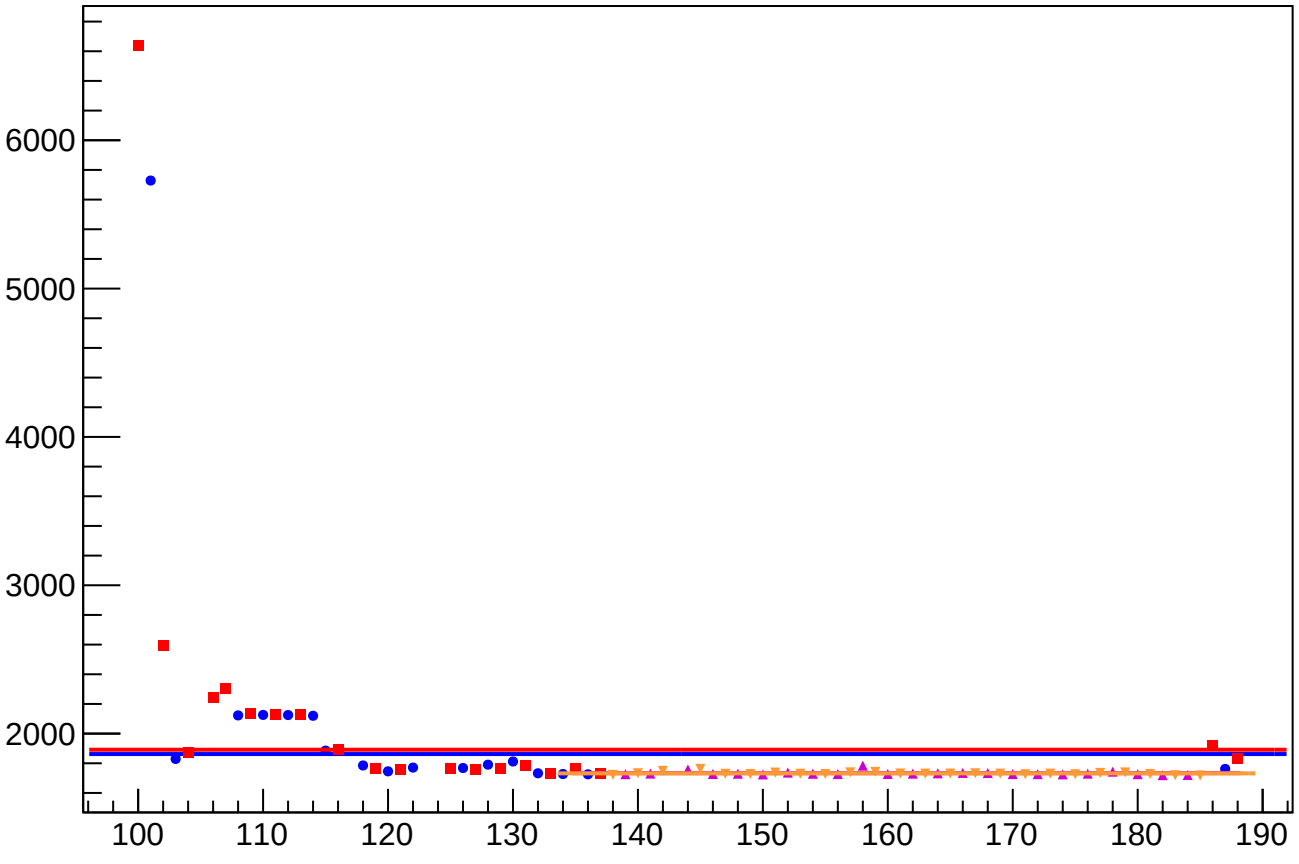
Right Out: 125.931+/-650.959 χ^2/NDF: 20.0/19

Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 85.612+/-348.469 χ^2/NDF: 57.6/40

All: 40.739+/-244.700 χ^2/NDF: 97.0/83

- sign -2.913+/-343.696 χ^2/NDF: 39.5/42



Right In: 1862.093+/-0.494 χ^2/NDF: 673988.8/16

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

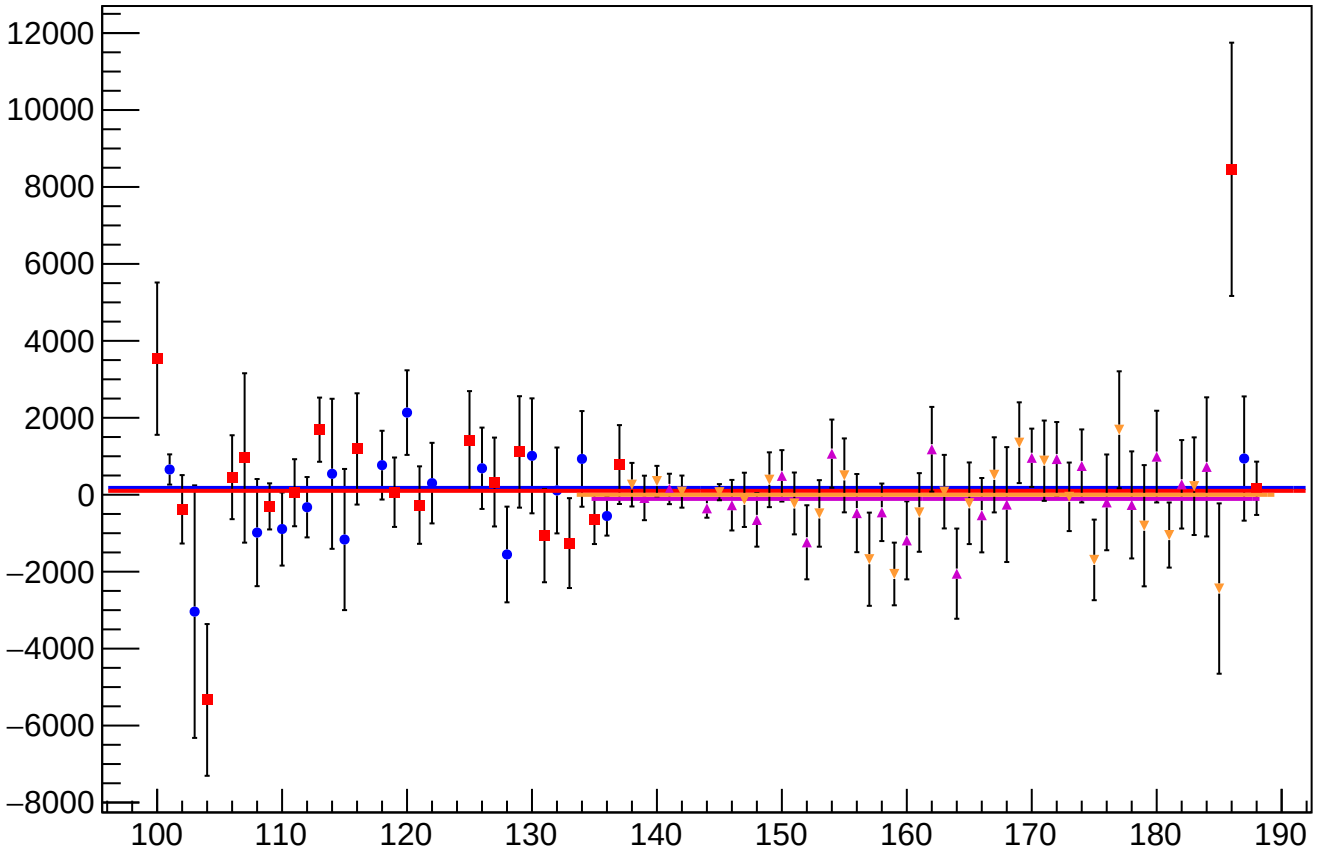
Right Out: 1891.324+/-0.460 χ^2/NDF: 259918.2/19

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1764.314+/-0.246 χ^2/NDF: 726990.4/40

All: 1770.929+/-0.173 χ^2/NDF: 1075549.1/83

- sign 1777.363+/-0.243 χ^2/NDF: 347137.2/42



Right In: 177.327+/-218.010 χ^2/NDF: 14.1/16

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

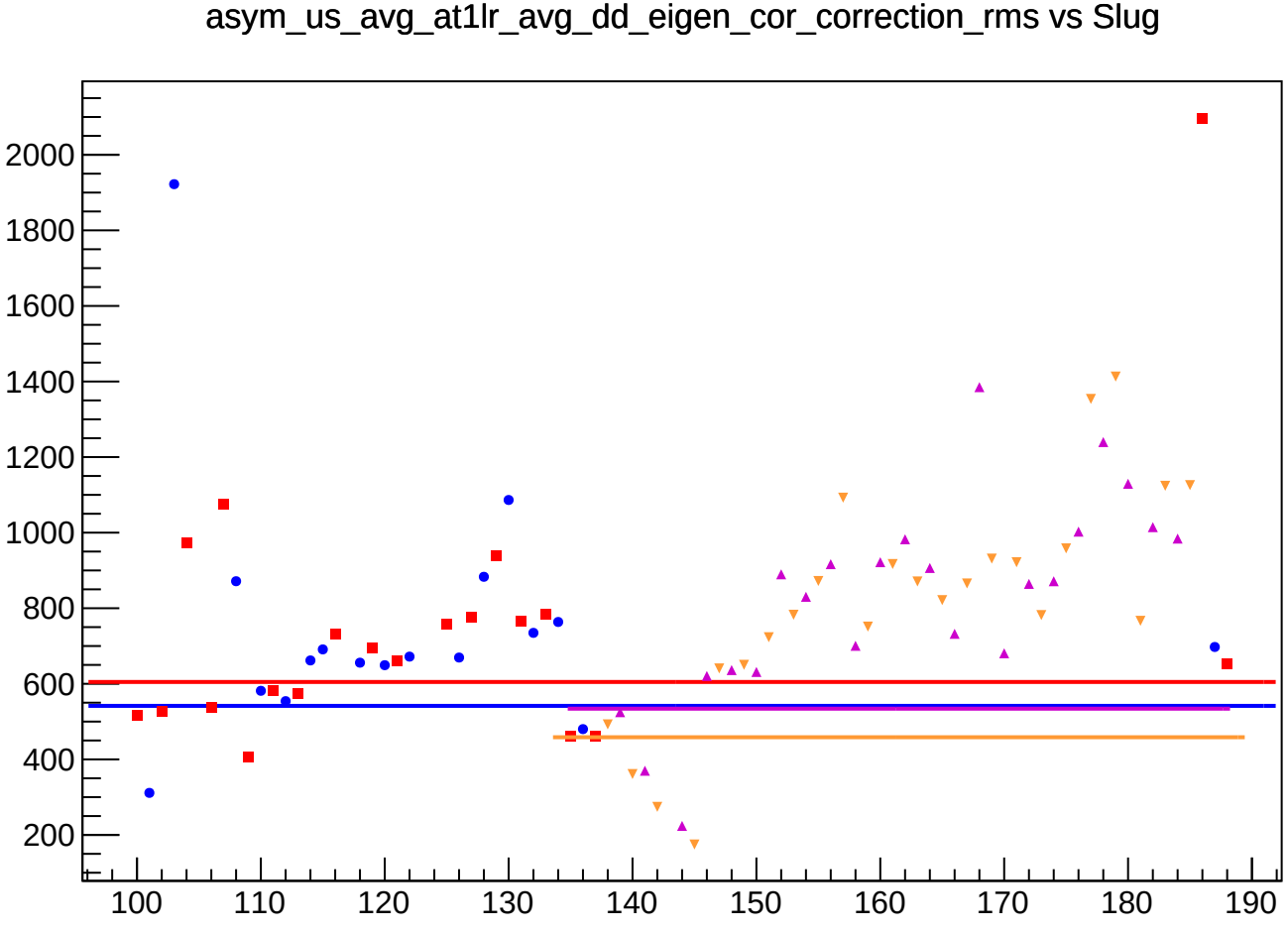
Right Out: 101.204+/-224.728 χ^2/NDF: 27.9/19

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 44.677+/-111.690 χ^2/NDF: 34.9/40

All: 2.084+/-82.019 χ^2/NDF: 80.8/83

- sign -47.771+/-120.835 χ^2/NDF: 45.6/42



Right In: 541.597+/-0.154 χ^2/NDF: 1877874.9/16

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 604.875+/-0.159 χ^2/NDF: 1271546.0/19

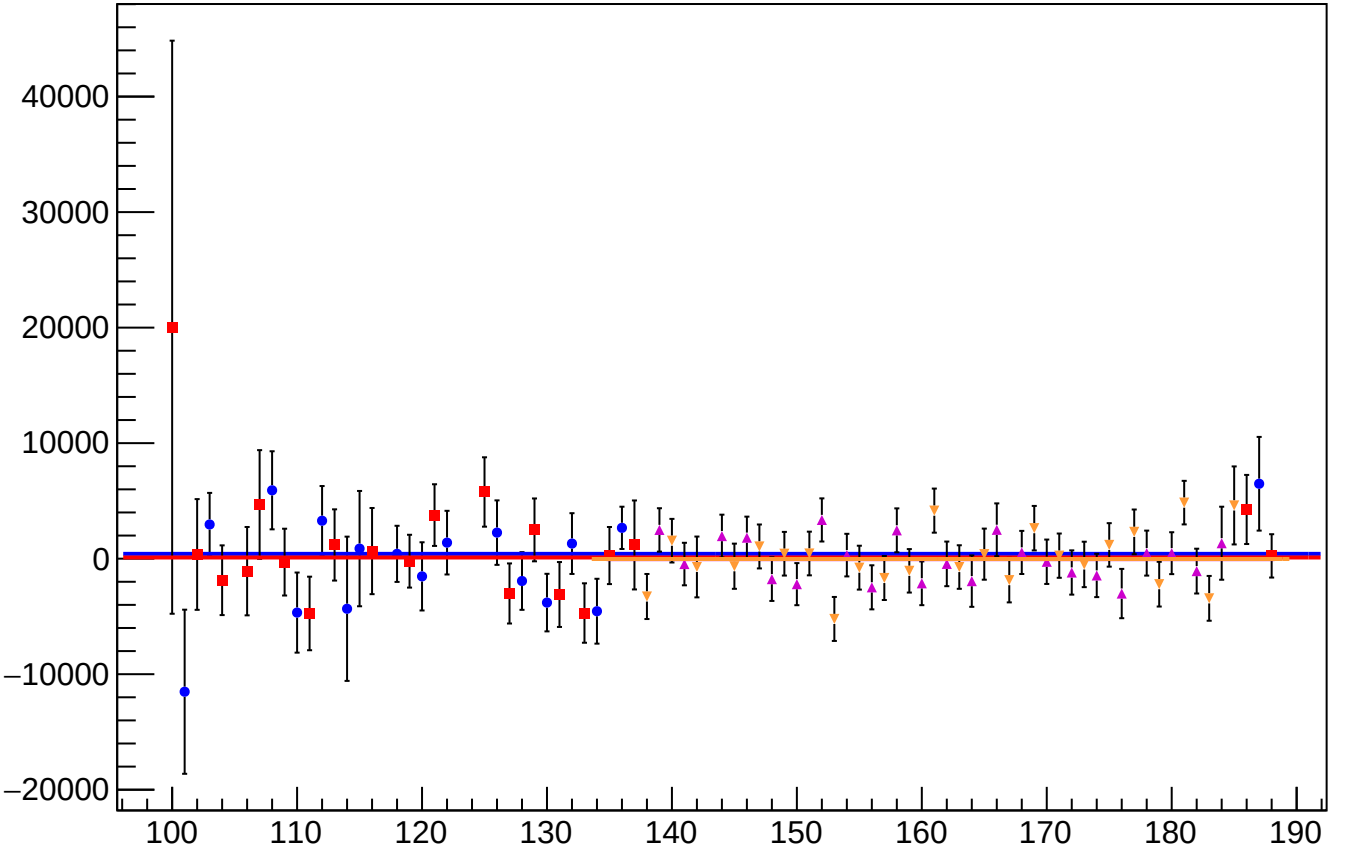
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 480.376+/-0.079 χ^2/NDF: 13518039.8/40

All: 514.578+/-0.058 χ^2/NDF: 23780209.5/83

- sign 554.611+/-0.085 χ^2/NDF: 9855104.7/42

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 416.685+/-707.537 χ^2/NDF: 21.7/16

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 101.878+/-660.194 χ^2/NDF: 19.1/19

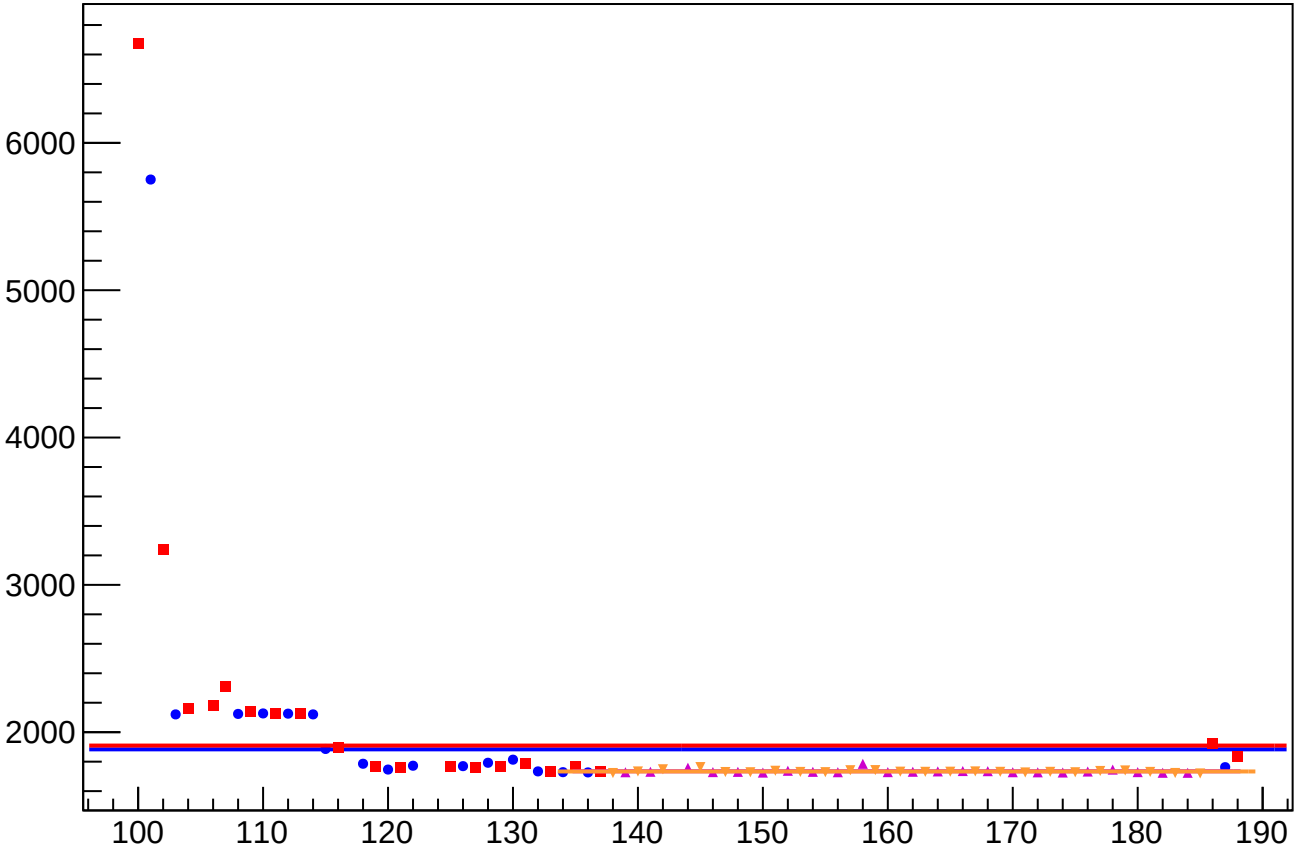
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

\+ sign 79.599+/-349.732 χ^2/NDF: 57.5/40

All: 37.772+/-245.698 χ^2/NDF: 96.5/83

\- sign -2.990+/-345.250 χ^2/NDF: 39.0/42

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1883.517+/-0.500 χ^2/NDF: 691273.4/16

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

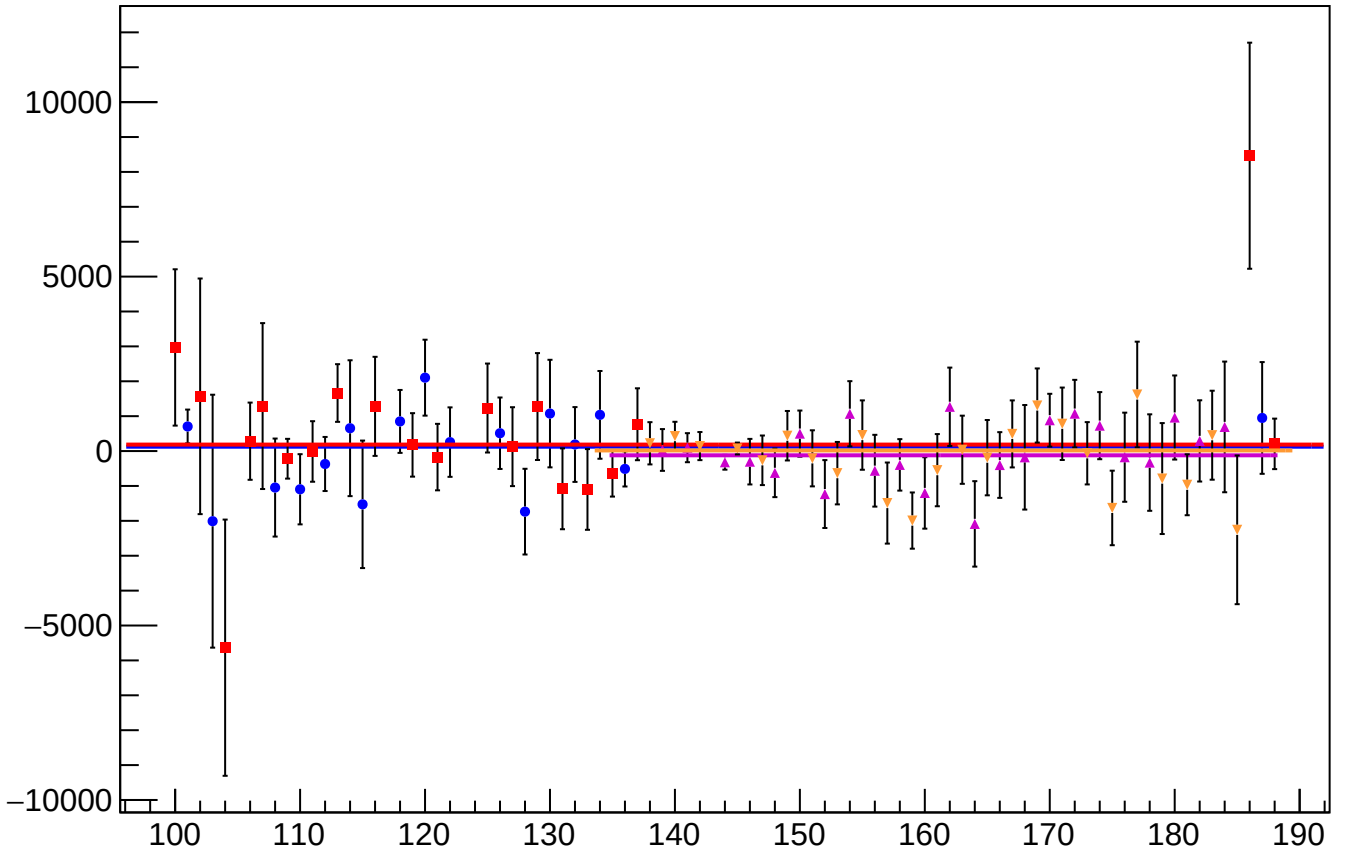
Right Out: 1909.235+/-0.467 χ^2/NDF: 355954.8/19

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1770.137+/-0.247 χ^2/NDF: 760137.9/40

All: 1776.404+/-0.174 χ^2/NDF: 1220963.4/83

- sign 1782.512+/-0.244 χ^2/NDF: 459557.4/42



Right In: 125.375+/-229.322 χ^2/NDF: 14.4/16

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: 185.432+/-232.252 χ^2/NDF: 20.9/19

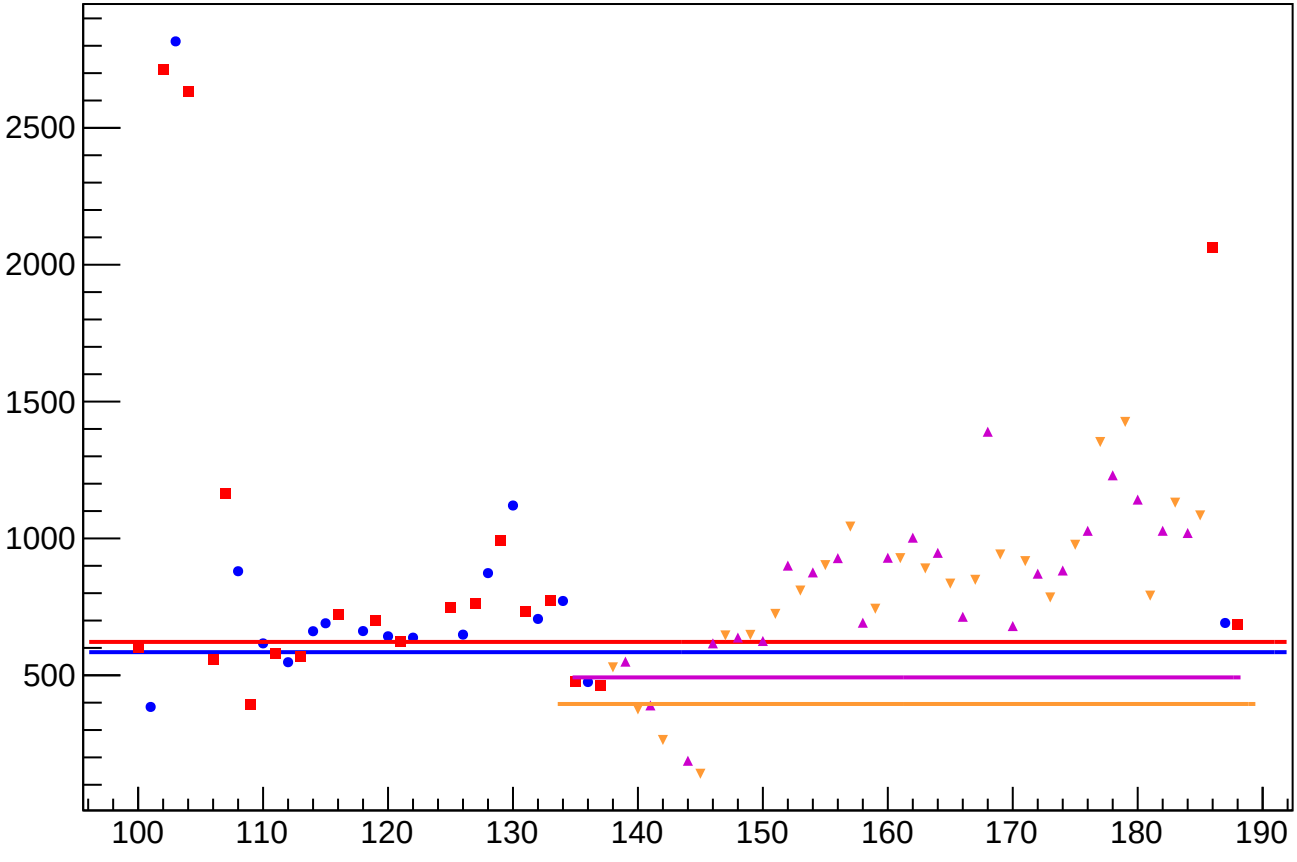
Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 40.902+/-105.858 χ^2/NDF: 34.0/40

All: 3.836+/-78.826 χ^2/NDF: 73.0/83

- sign -42.294+/-118.096 χ^2/NDF: 38.7/42

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug



Right In: 584.503+/-0.162 χ^2/NDF: 1763358.2/16

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

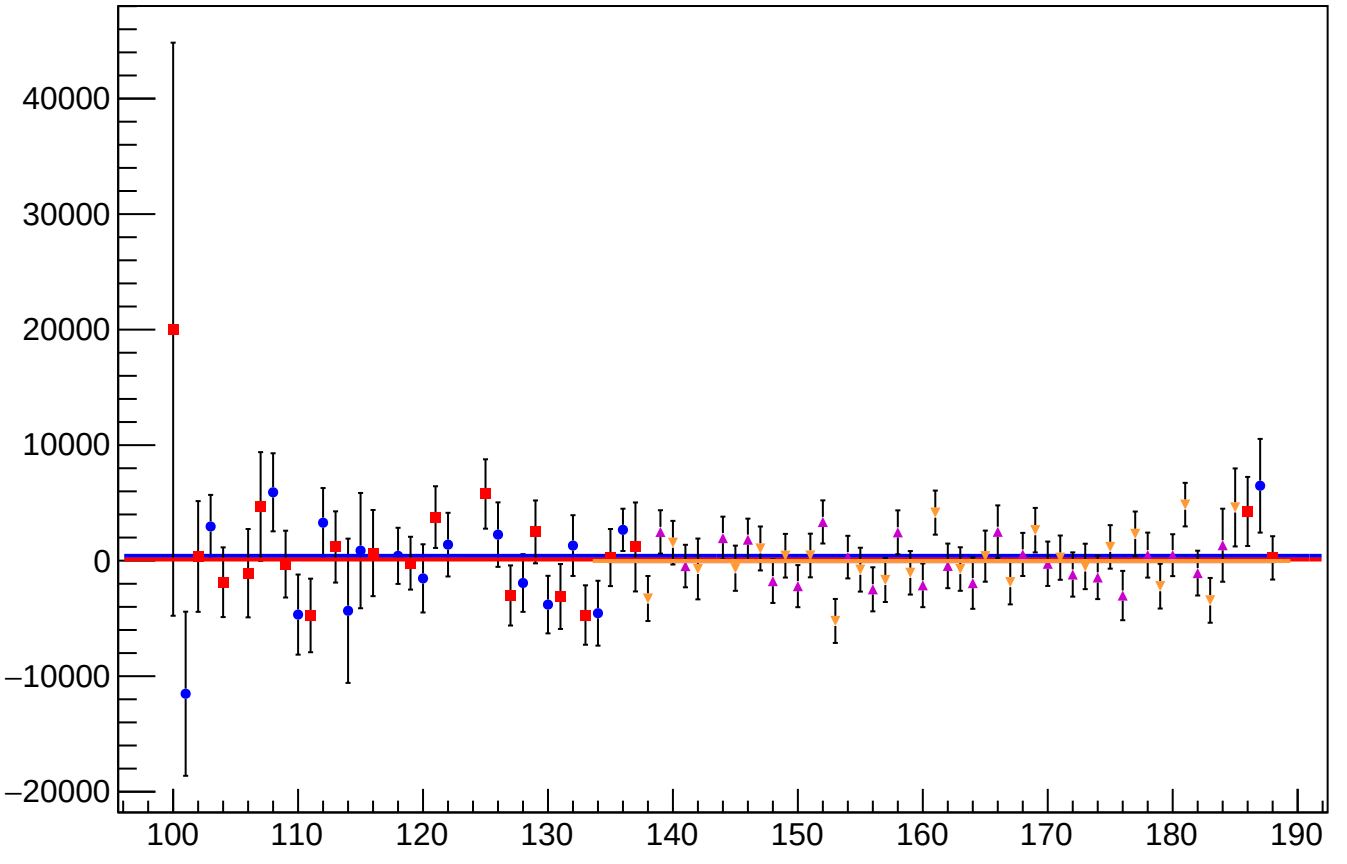
Right Out: 621.912+/-0.164 χ^2/NDF: 2617593.8/19

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 435.529+/-0.075 χ^2/NDF: 17170371.2/40

All: 475.750+/-0.056 χ^2/NDF: 31317391.9/83

- sign 525.807+/-0.084 χ^2/NDF: 13498958.6/42



Right In: 416.685+/-707.537 χ^2/NDF: 21.7/16

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

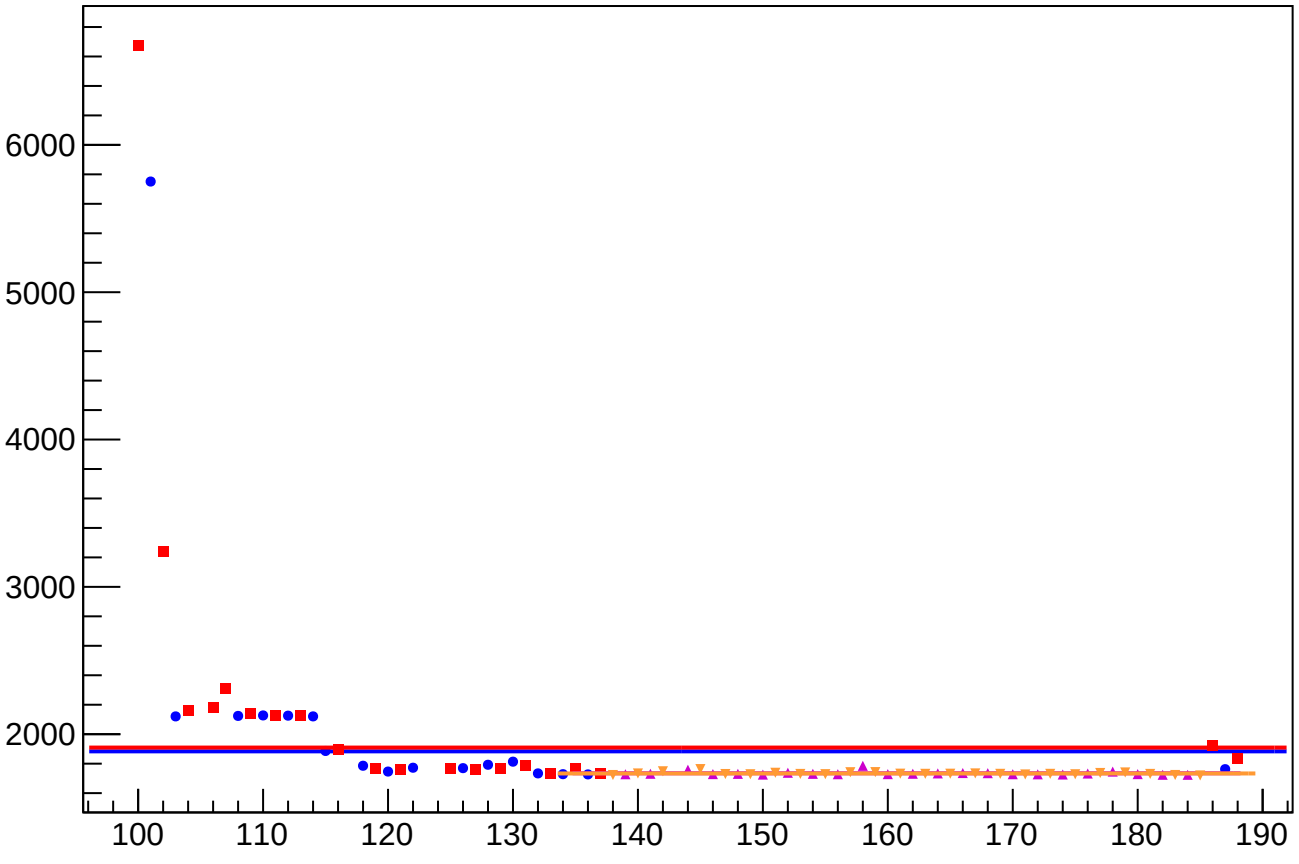
Right Out: 101.877+/-660.194 χ^2/NDF: 19.1/19

Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

\+ sign 79.597+/-349.732 χ^2/NDF: 57.5/40

All: 37.771+/-245.698 χ^2/NDF: 96.5/83

\- sign -2.990+/-345.250 χ^2/NDF: 39.0/42



Right In: 1883.517+/-0.500 χ^2/NDF: 691273.1/16

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

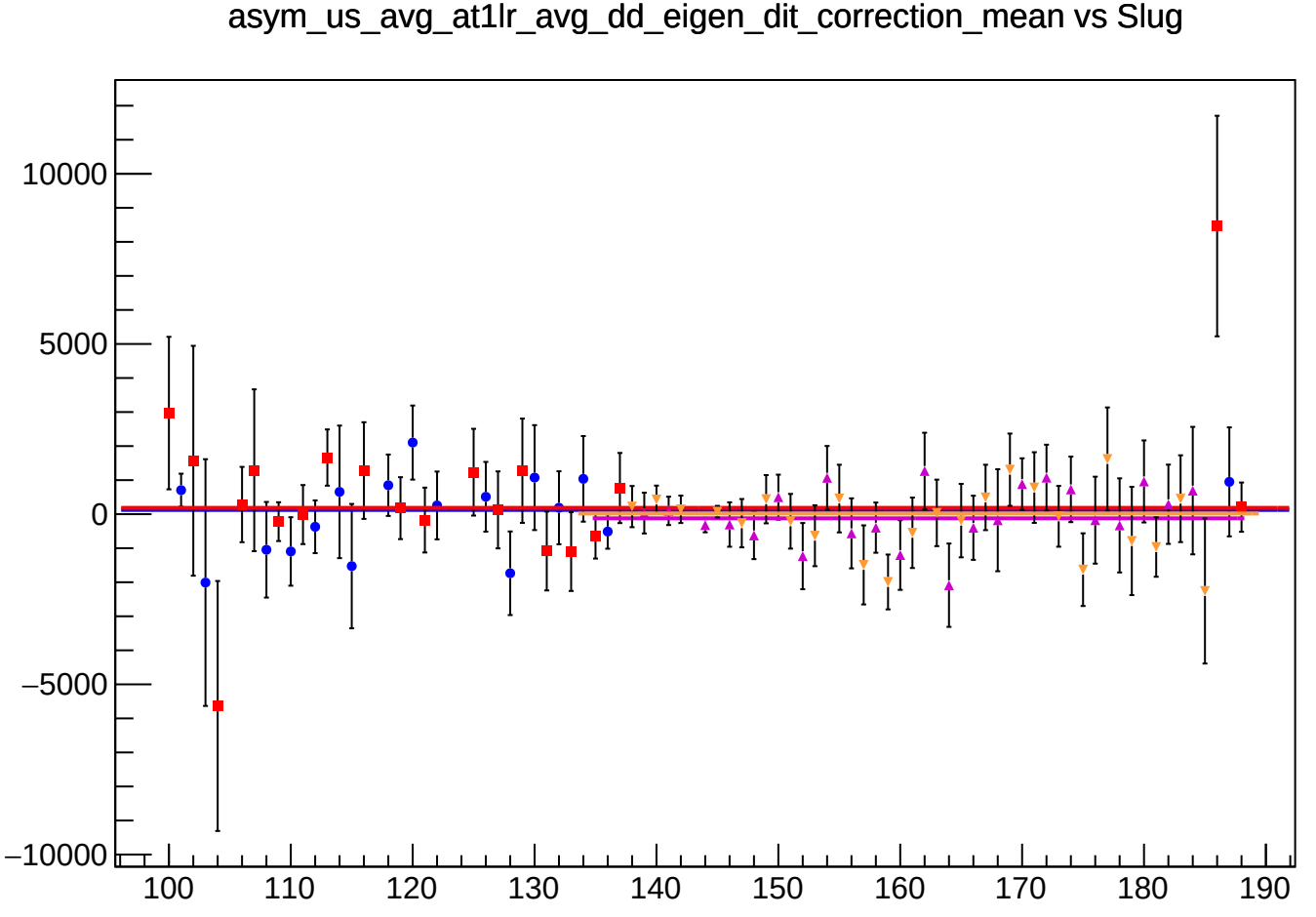
Right Out: 1909.235+/-0.467 χ^2/NDF: 355954.1/19

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1770.137+/-0.247 χ^2/NDF: 760137.5/40

All: 1776.404+/-0.174 χ^2/NDF: 1220962.1/83

- sign 1782.512+/-0.244 χ^2/NDF: 459556.5/42



Right In: 125.372+/-229.321 χ^2/NDF: 14.4/16

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

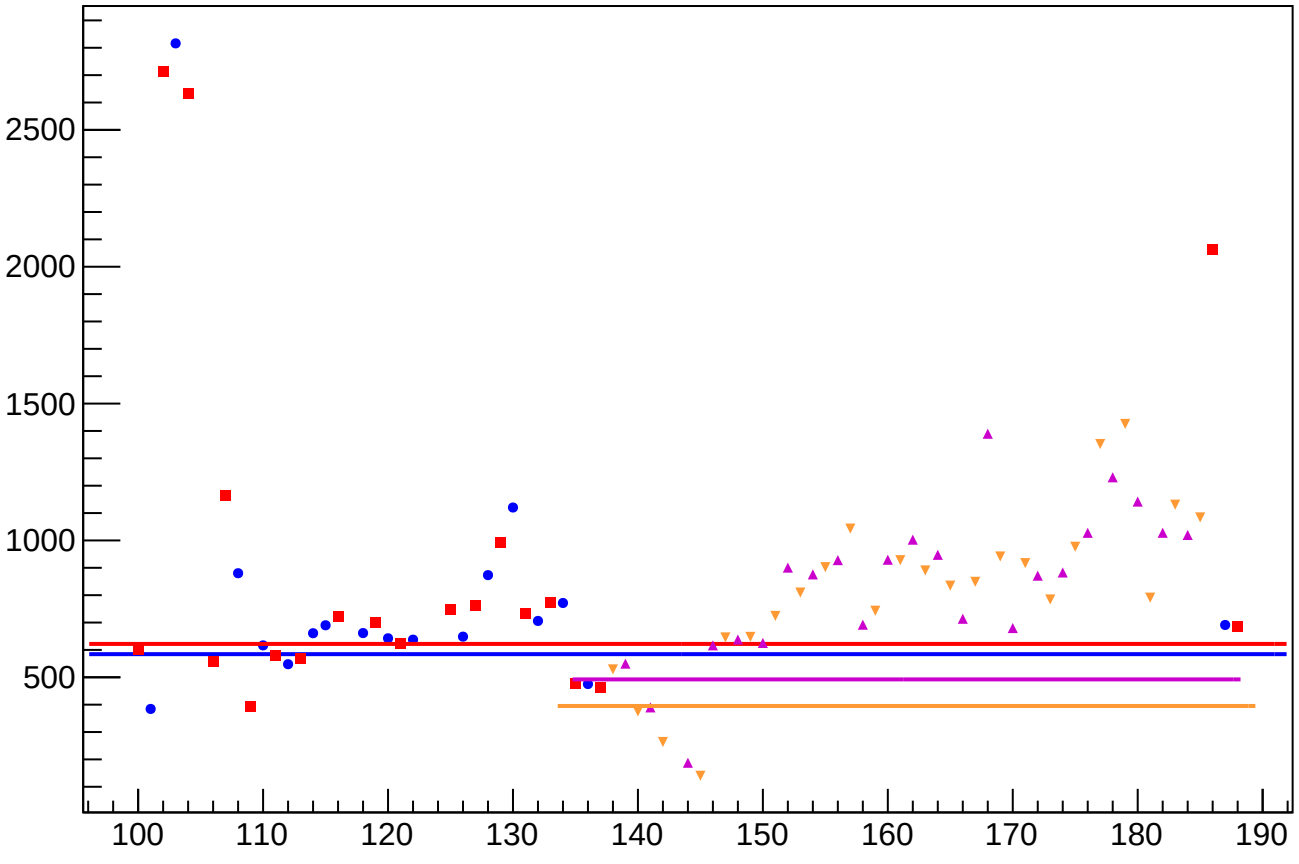
Right Out: 185.430+/-232.251 χ^2/NDF: 20.9/19

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 40.900+/-105.858 χ^2/NDF: 34.0/40

All: 3.836+/-78.826 χ^2/NDF: 73.0/83

- sign -42.294+/-118.096 χ^2/NDF: 38.7/42



Right In: 584.501+/-0.162 χ^2/NDF: 1763345.9/16

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 621.908+/-0.164 χ^2/NDF: 2617610.4/19

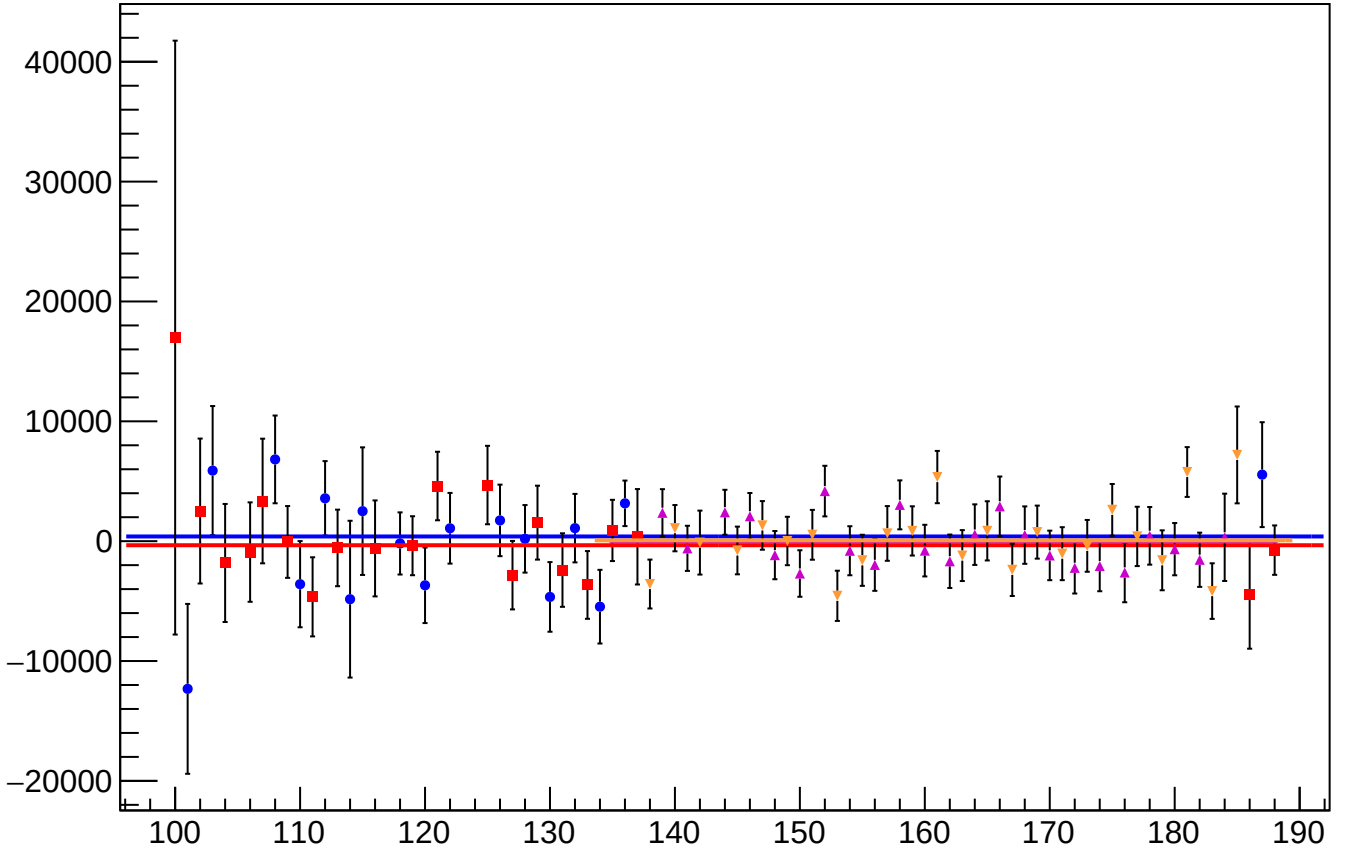
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 435.529+/-0.075 χ^2/NDF: 17170388.4/40

All: 475.749+/-0.056 χ^2/NDF: 31317420.5/83

- sign 525.807+/-0.084 χ^2/NDF: 13498970.7/42

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 393.275+/-779.033 χ^2/NDF: 22.6/16

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -338.103+/-731.196 χ^2/NDF: 12.5/19

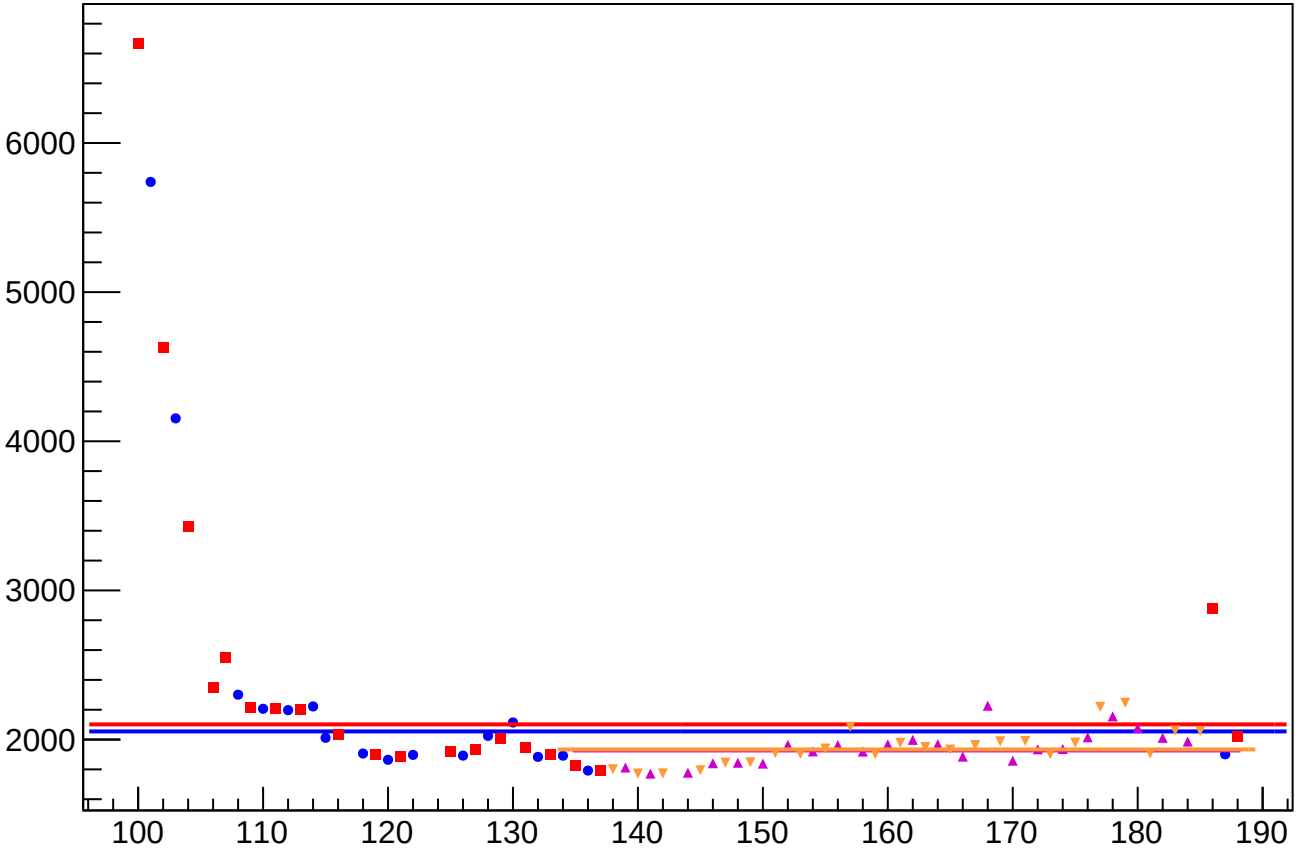
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 148.308+/-389.500 χ^2/NDF: 56.3/40

All: 16.386+/-273.346 χ^2/NDF: 89.2/83

- sign -111.638+/-383.704 χ^2/NDF: 32.6/42

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2054.483+/-0.551 χ^2/NDF: 942404.5/16

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

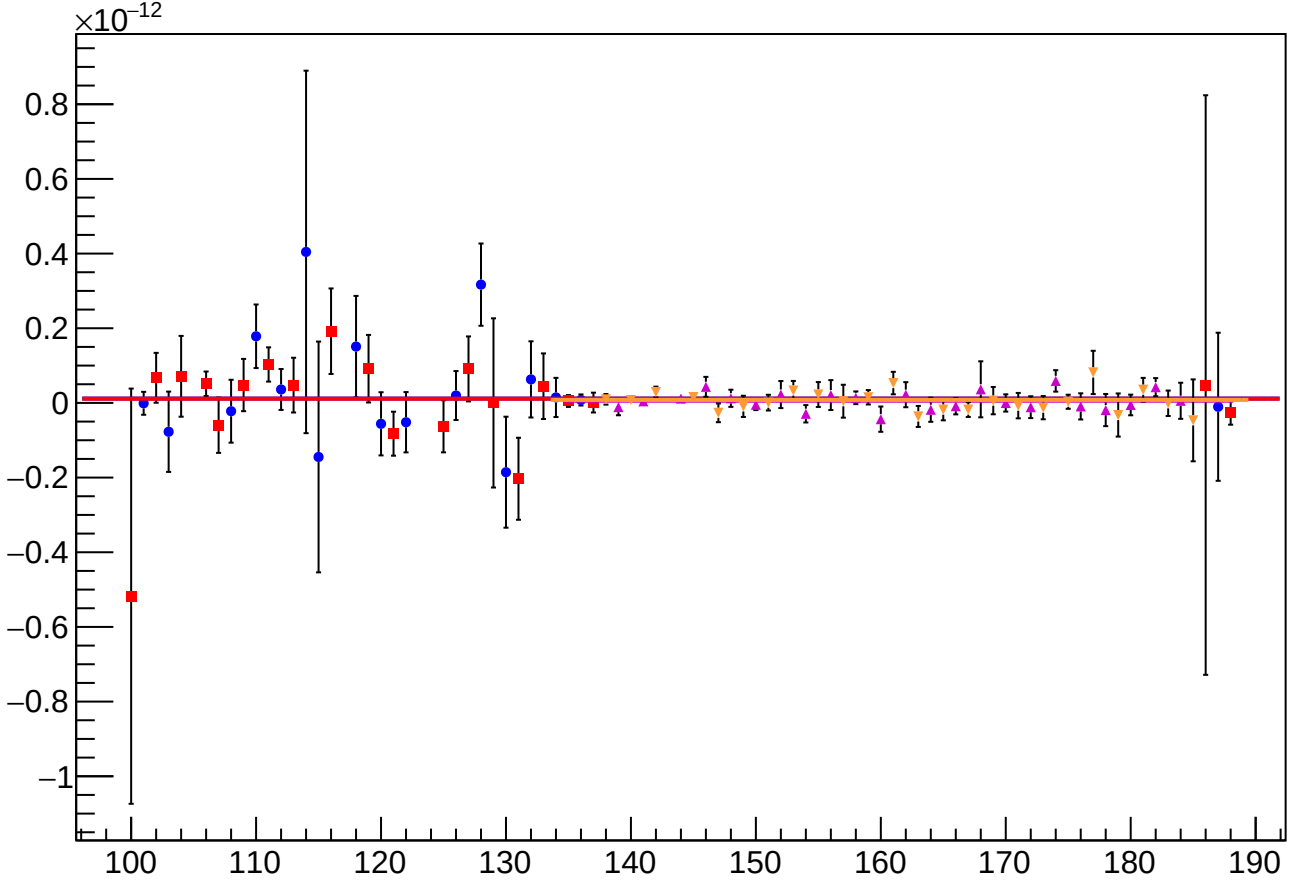
Right Out: 2101.685+/-0.517 χ^2/NDF: 745336.7/19

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1963.971+/-0.275 χ^2/NDF: 1106932.0/40

All: 1969.667+/-0.193 χ^2/NDF: 2052145.2/83

- sign 1975.195+/-0.271 χ^2/NDF: 944370.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

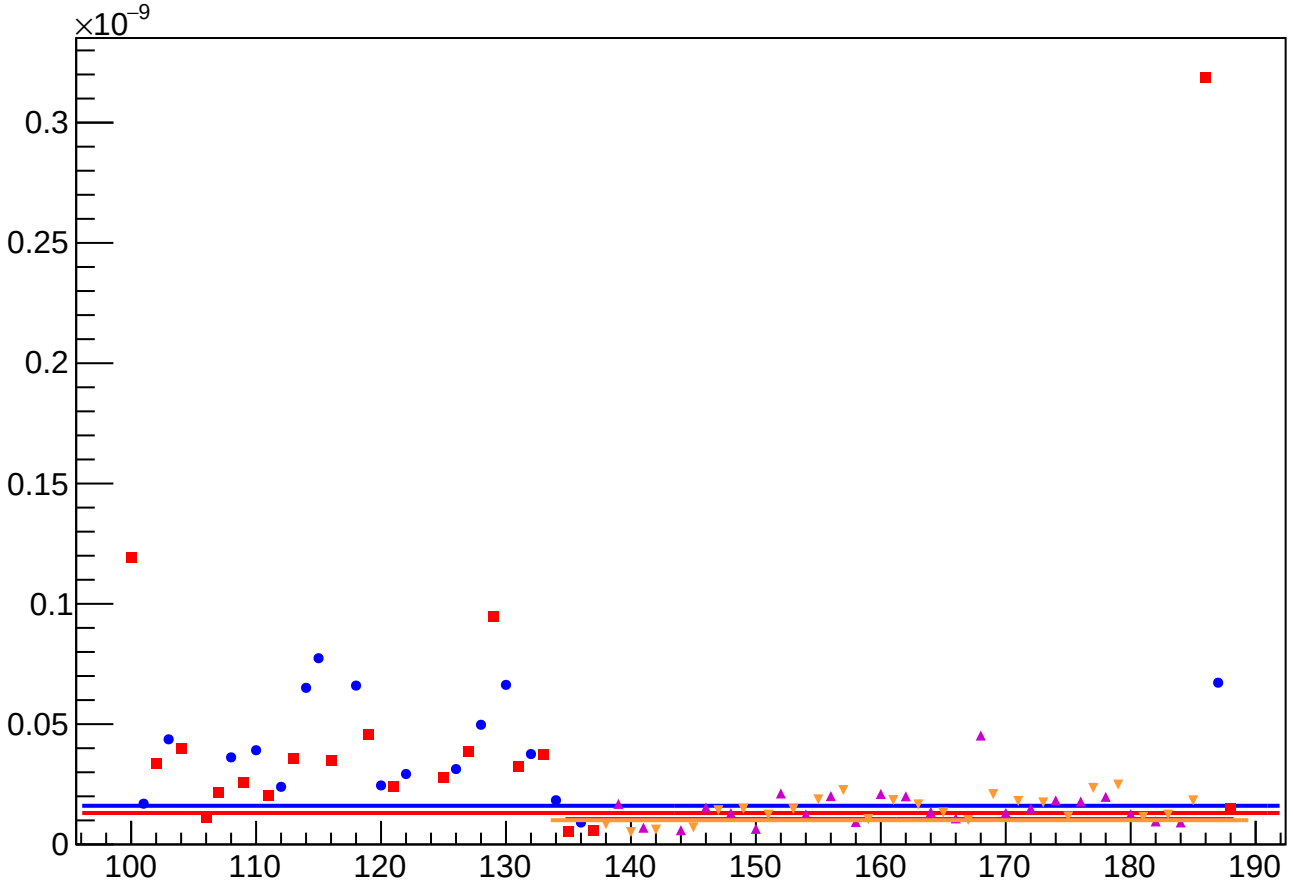
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/19

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/40

All: 0.000+/-0.000 χ^2/NDF: 74.8/83

- sign 0.000+/-0.000 χ^2/NDF: 39.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 2069081.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

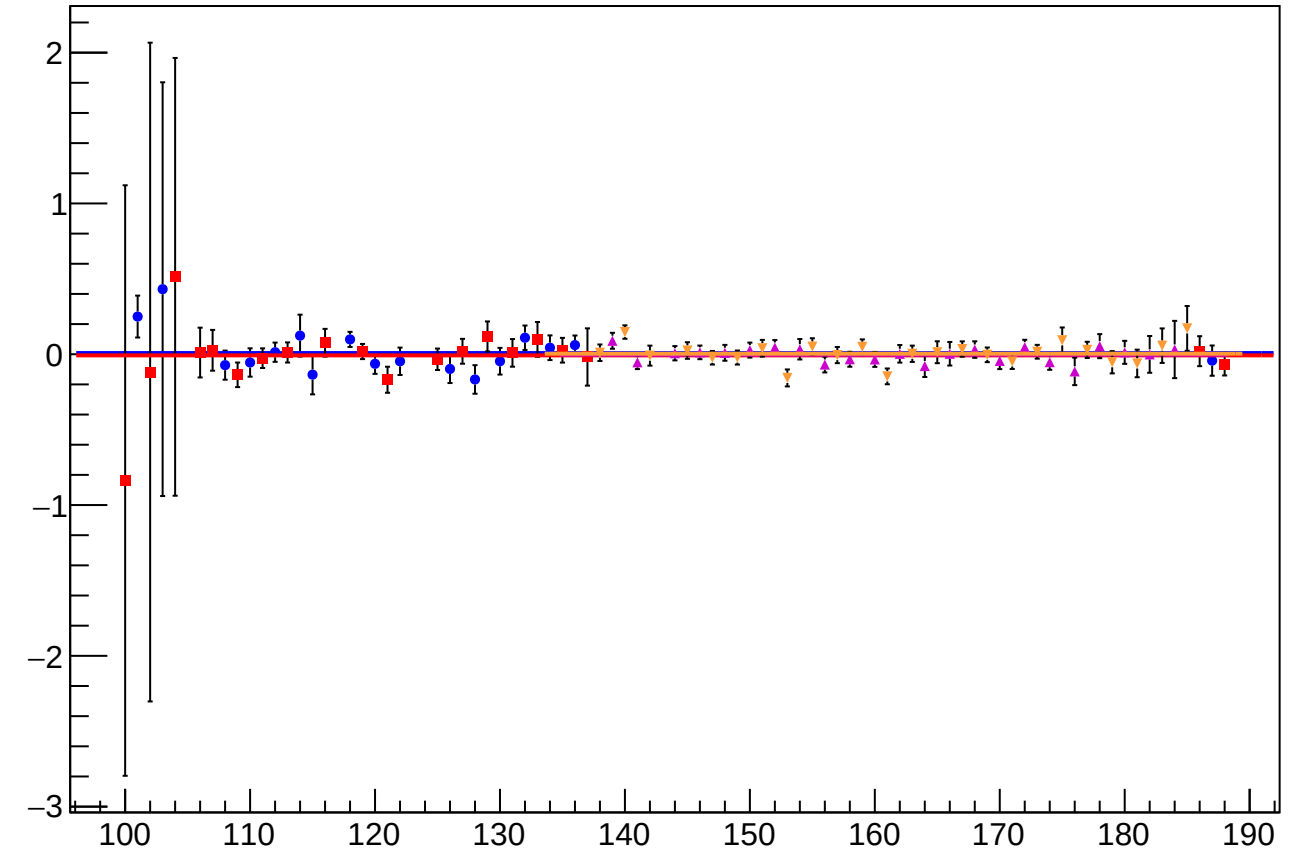
Right Out: 0.000+/-0.000 χ^2/NDF: 2804671.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 4813179.8/40

All: 0.000+/-0.000 χ^2/NDF: 10298875.5/83

- sign 0.000+/-0.000 χ^2/NDF: 5484089.8/42



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

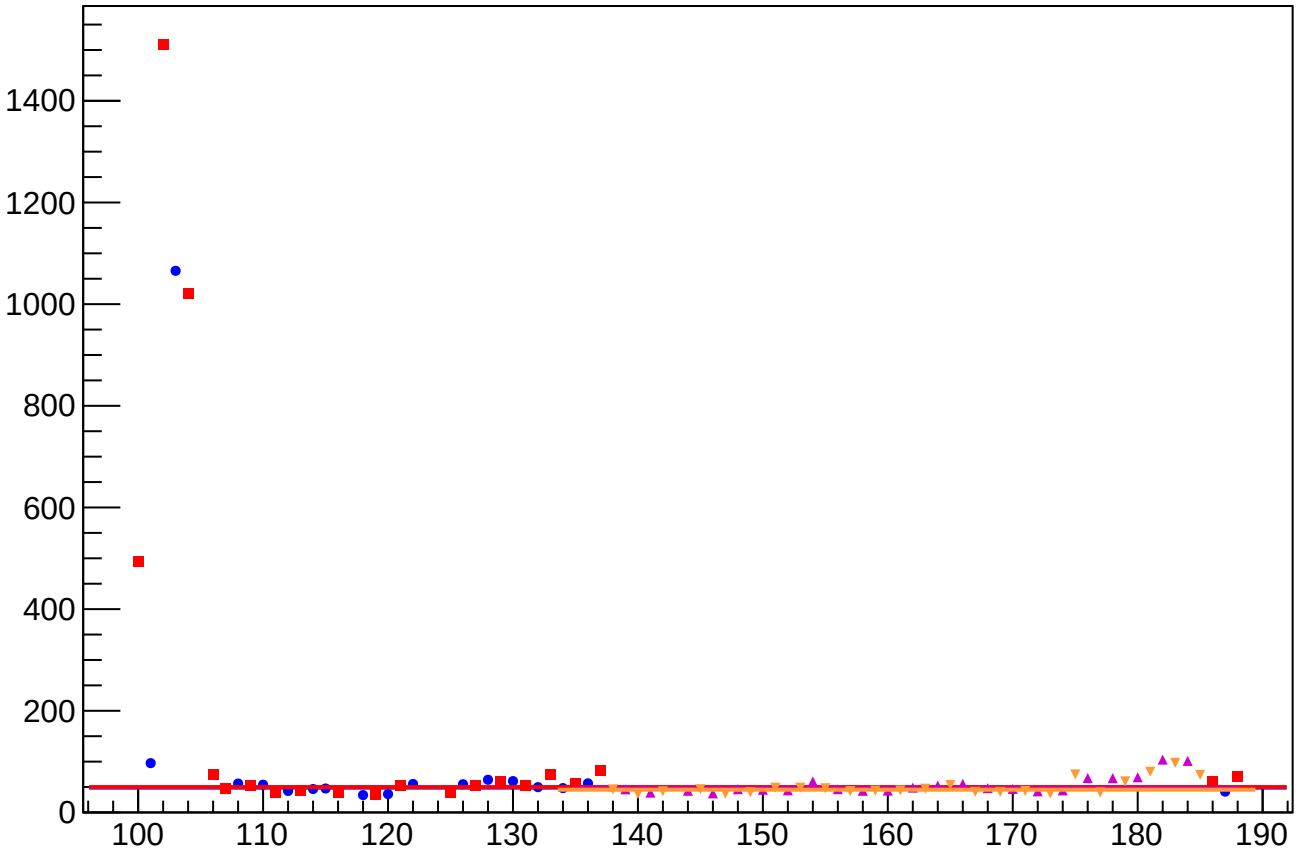
Right Out: -0.007+/-0.020 χ^2/NDF: 11.2/19

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.005+/-0.010 χ^2/NDF: 53.8/40

All: 0.000+/-0.007 χ^2/NDF: 79.9/83

- sign -0.004+/-0.010 χ^2/NDF: 25.7/42



Right In: 48.984+/-0.015 χ^2/NDF: 1790256.6/16

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 49.854+/-0.014 χ^2/NDF: 2624725.2/19

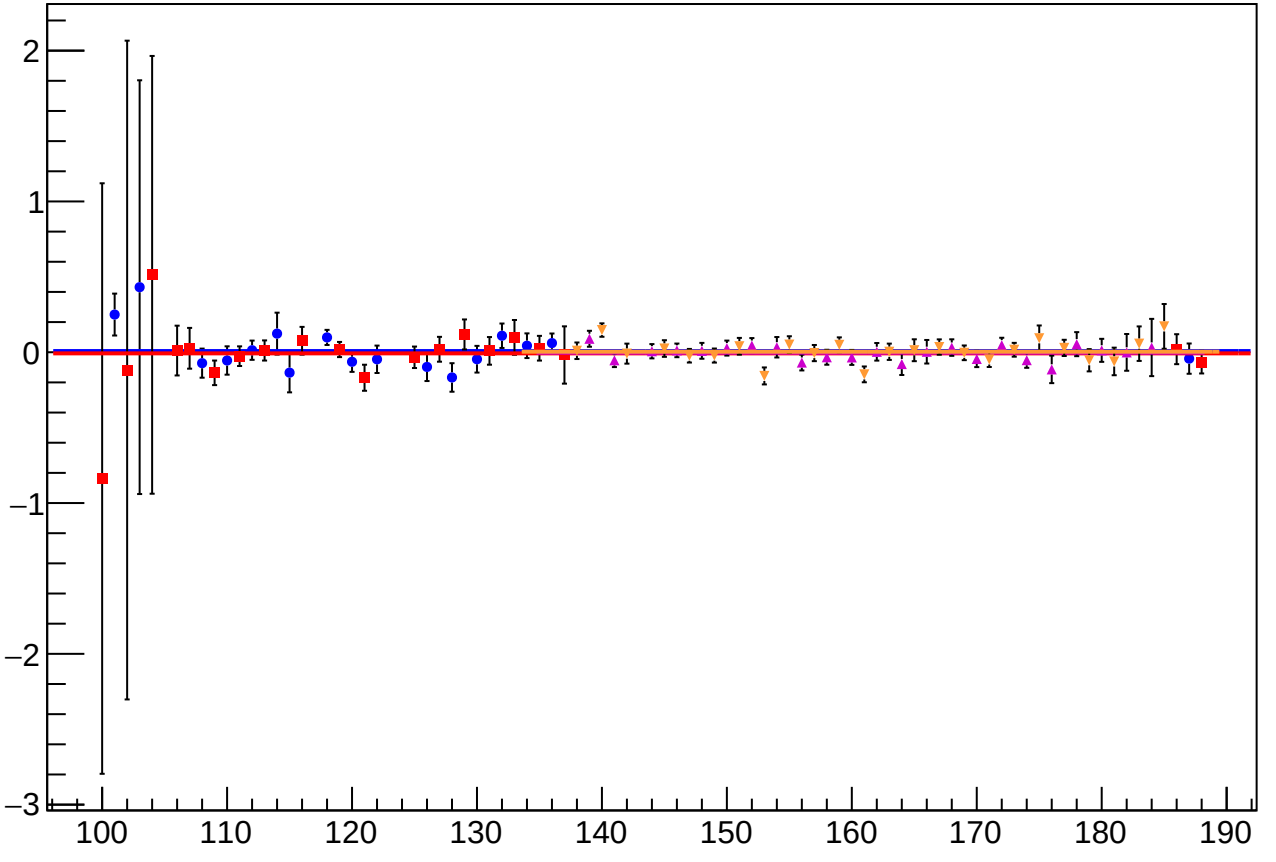
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 45.751+/-0.007 χ^2/NDF: 3337016.4/40

All: 46.732+/-0.005 χ^2/NDF: 7412844.9/83

- sign 47.762+/-0.007 χ^2/NDF: 4036629.3/42

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

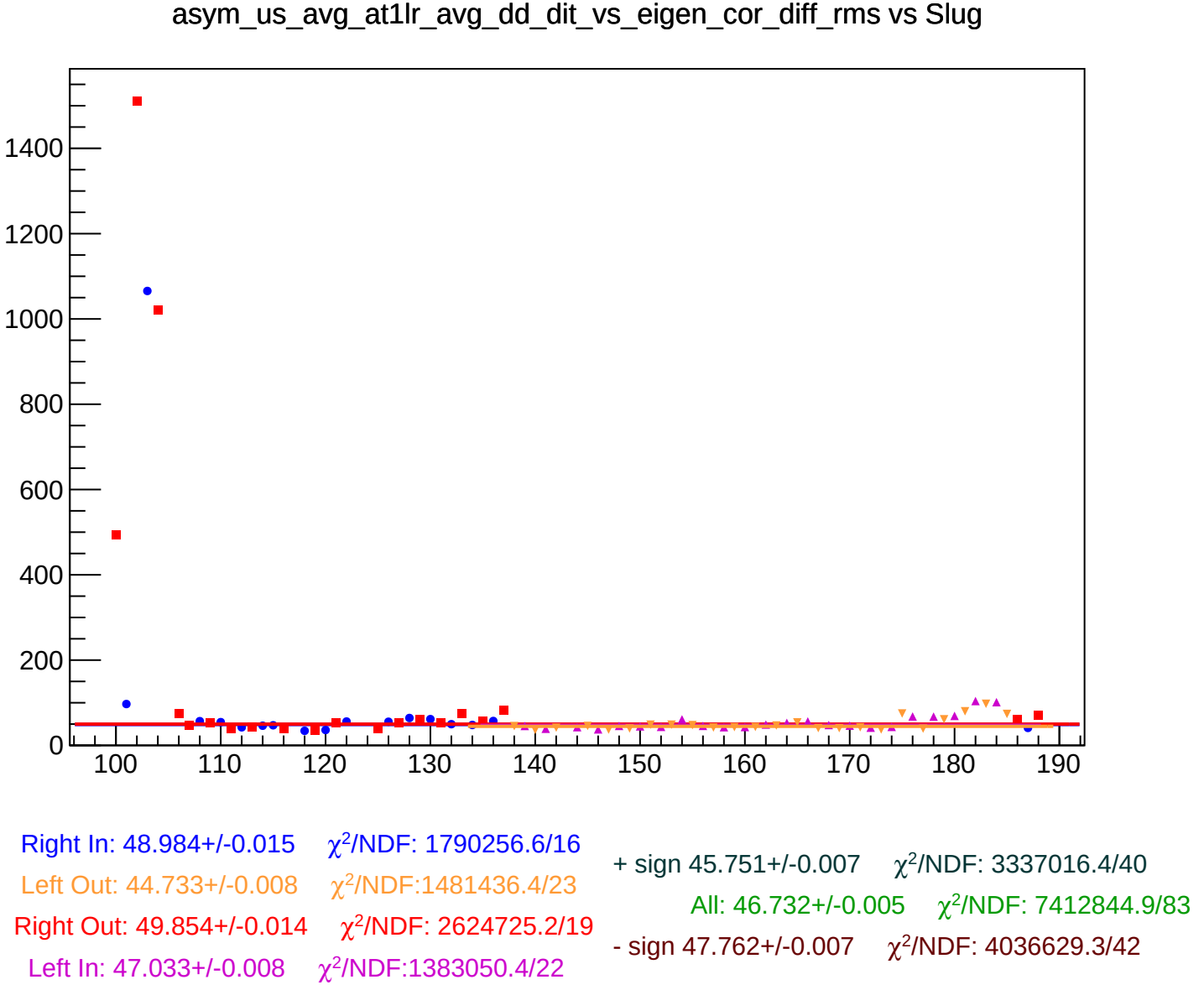
Right Out: -0.007+/-0.020 χ^2/NDF: 11.2/19

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.005+/-0.010 χ^2/NDF: 53.8/40

All: 0.000+/-0.007 χ^2/NDF: 79.9/83

- sign -0.004+/-0.010 χ^2/NDF: 25.7/42


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
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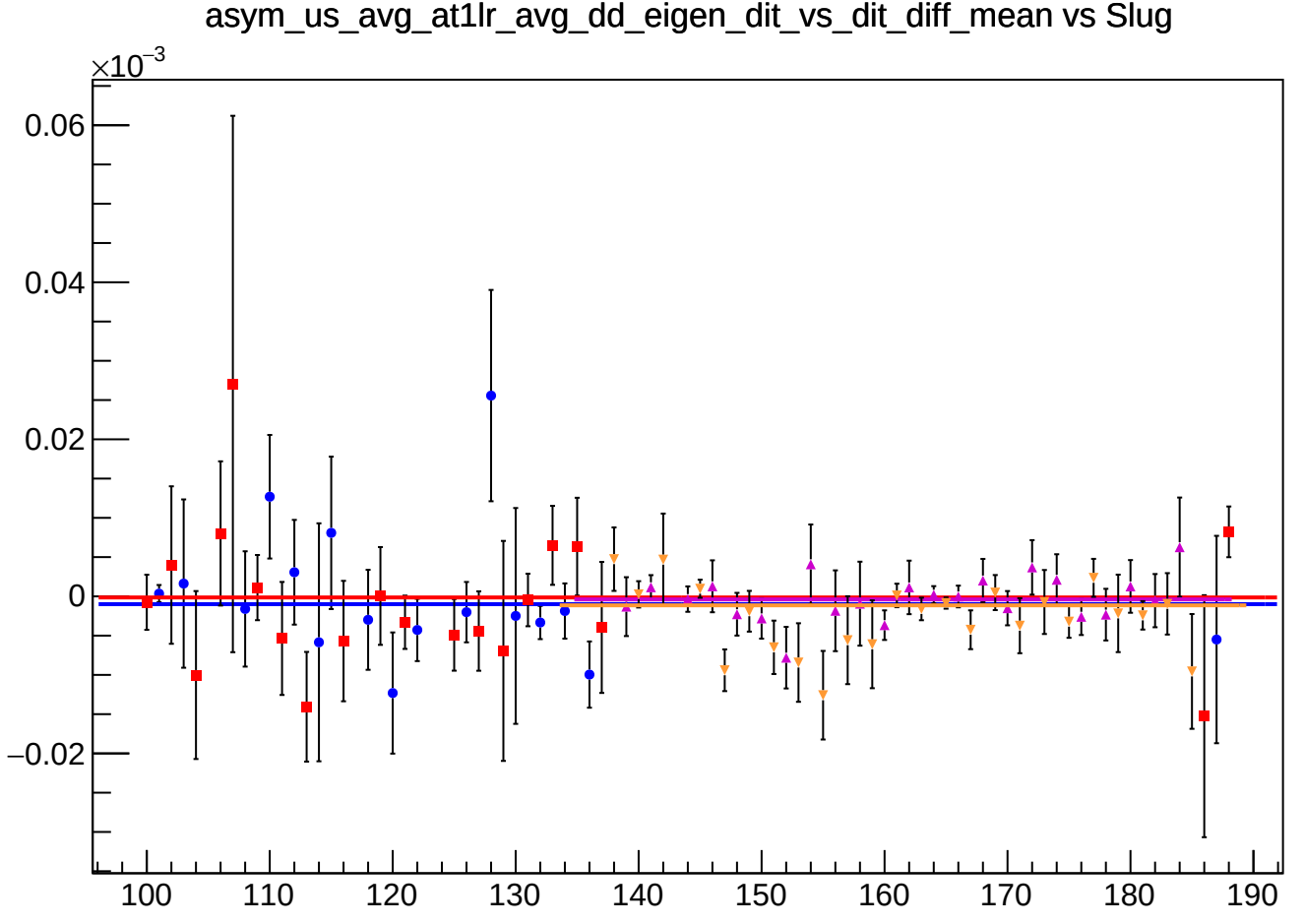
180
190
Right In: 48.984+/-0.015 χ²/NDF: 1790256.6/16
Left Out: 44.733+/-0.008 χ²/NDF:1481436.4/23
Right Out: 49.854+/-0.014 χ²/NDF: 2624725.2/19
Left In: 47.033+/-0.008 χ²/NDF:1383050.4/22
+ sign 45.751+/-0.007 χ²/NDF: 3337016.4/40
All: 46.732+/-0.005 χ²/NDF: 7412844.9/83
- sign 47.762+/-0.007 χ²/NDF: 4036629.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

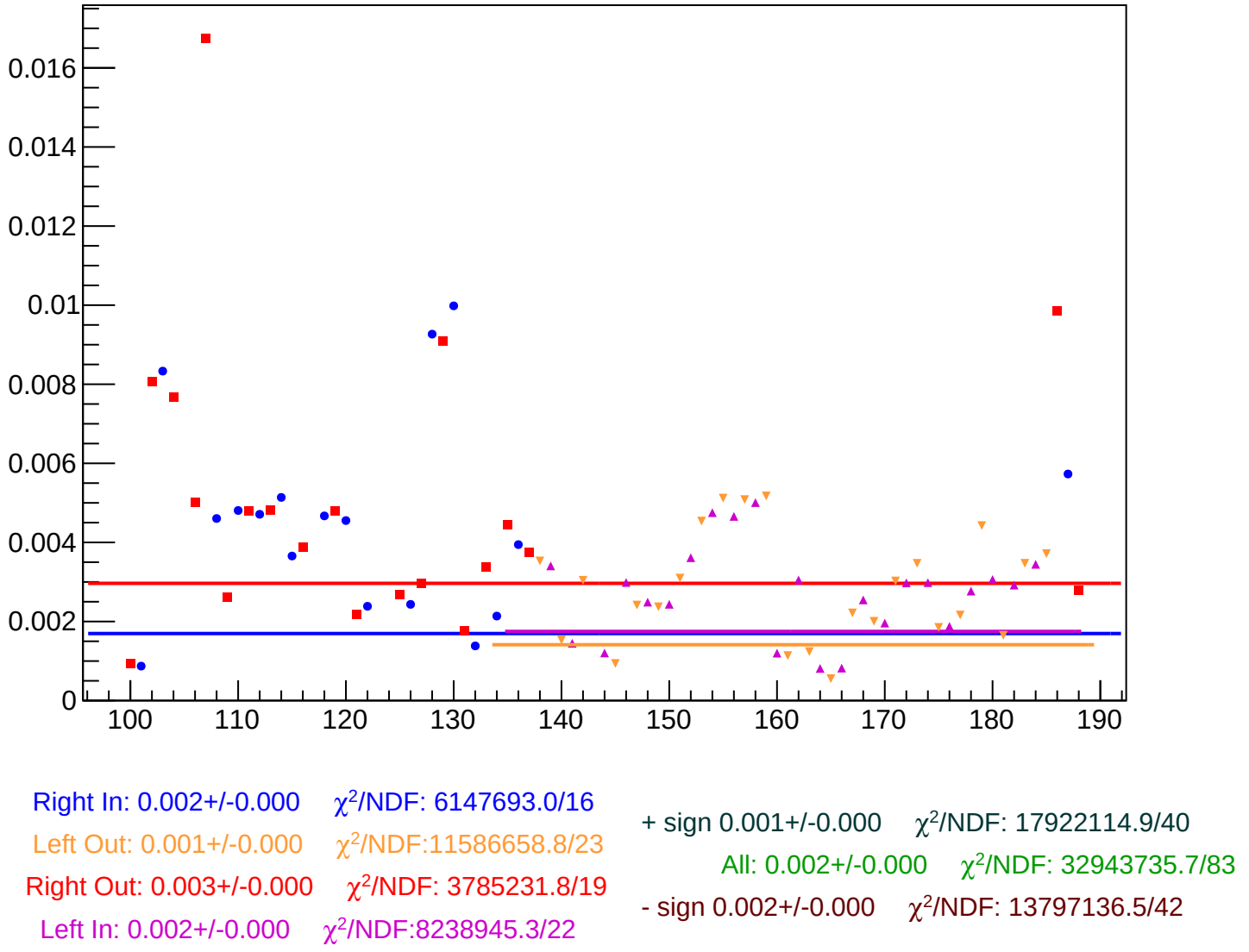
Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/19

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.5/40

All: -0.000+/-0.000 χ^2/NDF: 93.8/83

- sign -0.000+/-0.000 χ^2/NDF: 37.6/42


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
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140
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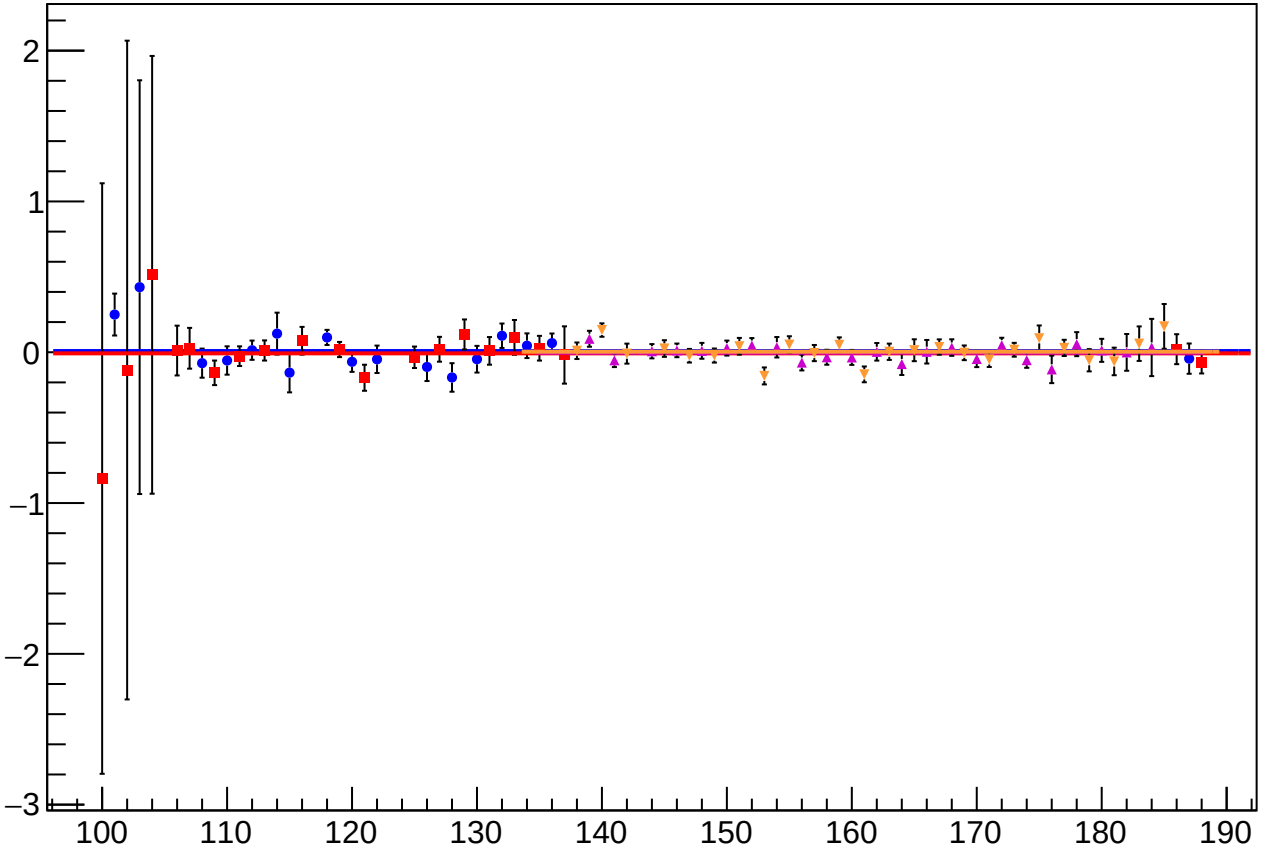
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 6147693.0/16
Left Out: 0.001+/-0.000 χ²/NDF:11586658.8/23
Right Out: 0.003+/-0.000 χ²/NDF: 3785231.8/19
Left In: 0.002+/-0.000 χ²/NDF:8238945.3/22
+ sign 0.001+/-0.000 χ²/NDF: 17922114.9/40
All: 0.002+/-0.000 χ²/NDF: 32943735.7/83
- sign 0.002+/-0.000 χ²/NDF: 13797136.5/42

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

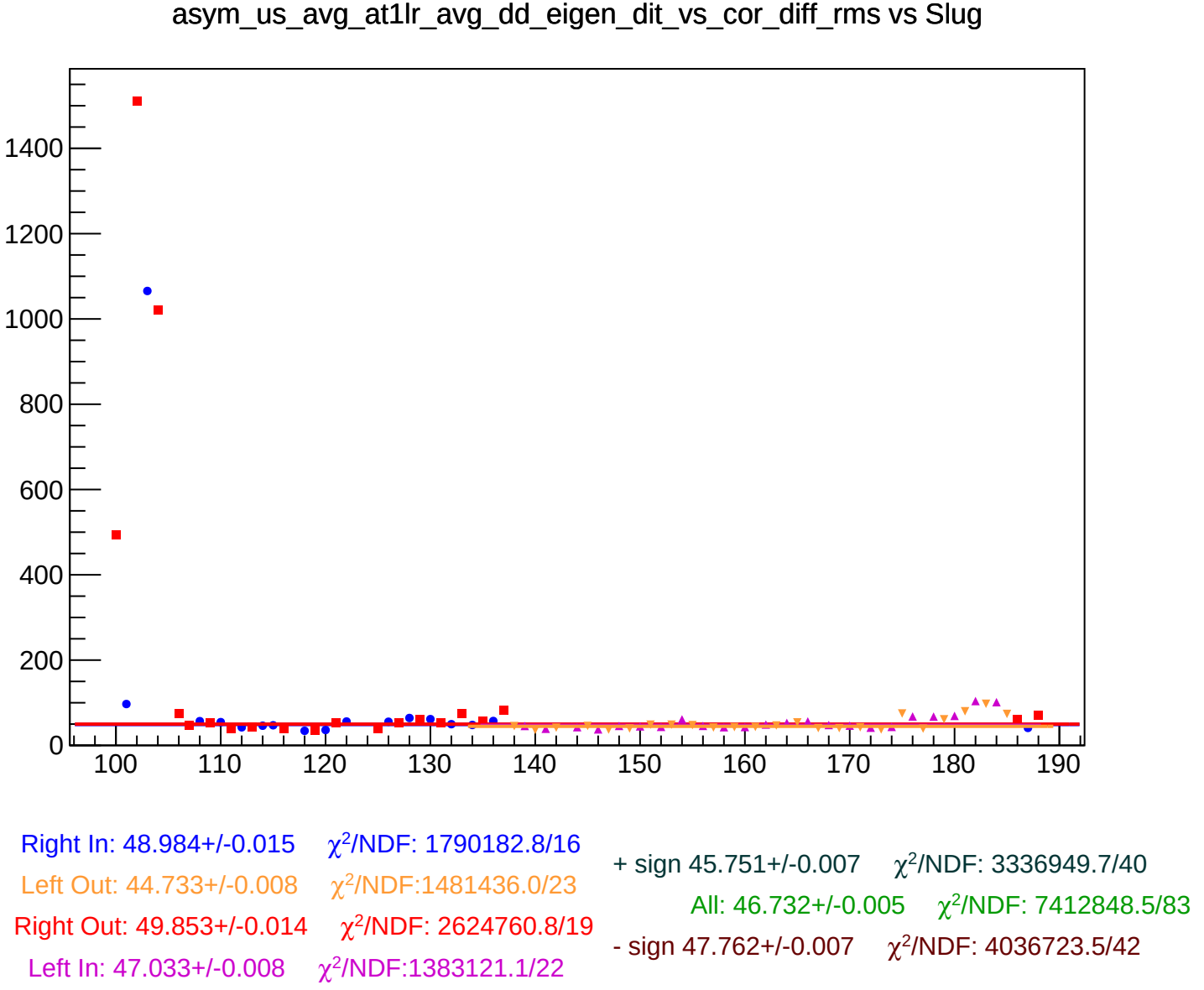
Right Out: -0.007+/-0.020 χ^2/NDF: 11.2/19

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.005+/-0.010 χ^2/NDF: 53.8/40

All: 0.000+/-0.007 χ^2/NDF: 79.9/83

- sign -0.004+/-0.010 χ^2/NDF: 25.7/42


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
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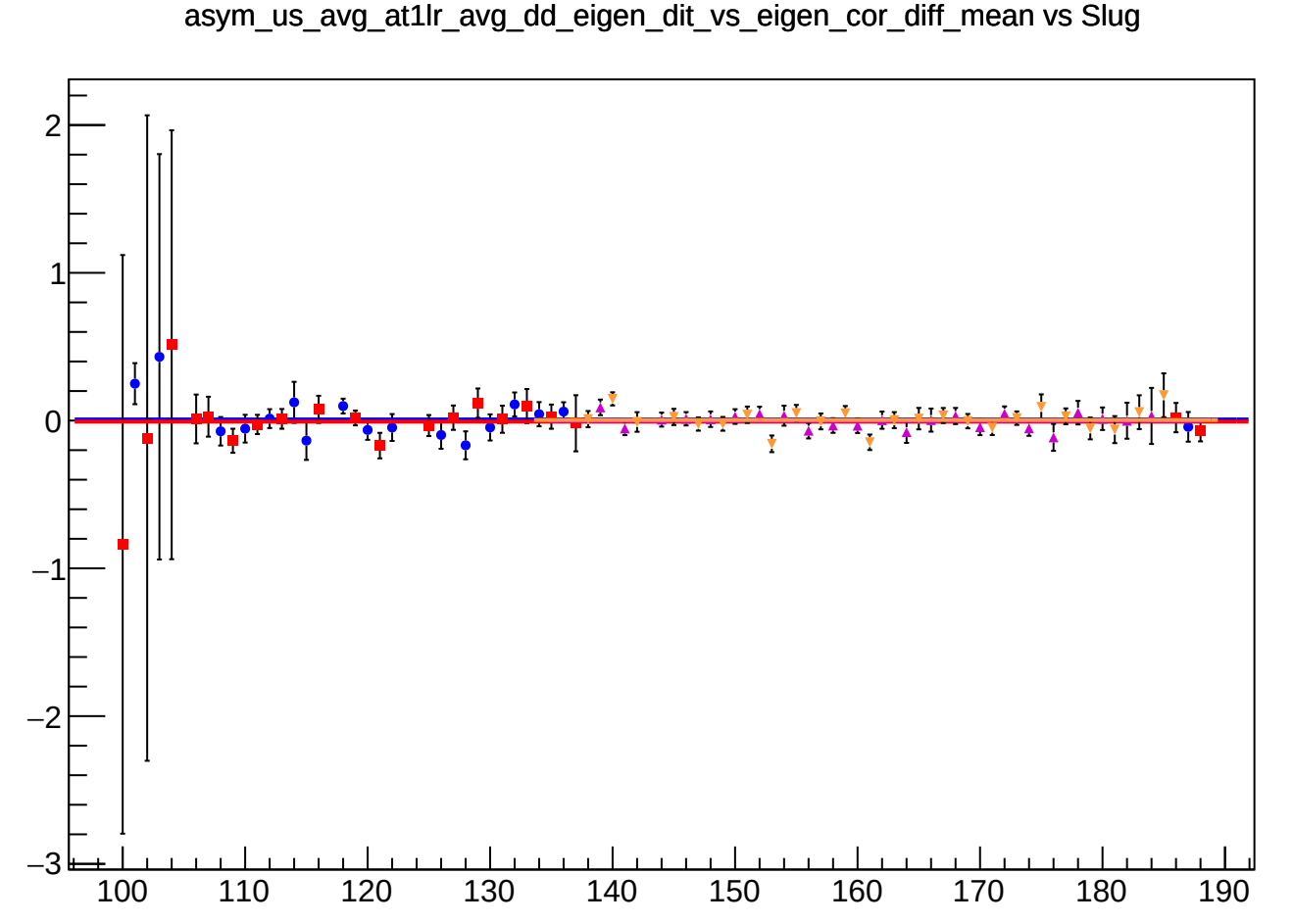
170
180
190
Right In: 48.984+/-0.015 χ²/NDF: 1790182.8/16
Left Out: 44.733+/-0.008 χ²/NDF:1481436.0/23
Right Out: 49.853+/-0.014 χ²/NDF: 2624760.8/19
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 45.751+/-0.007 χ²/NDF: 3336949.7/40
All: 46.732+/-0.005 χ²/NDF: 7412848.5/83
- sign 47.762+/-0.007 χ²/NDF: 4036723.5/42



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

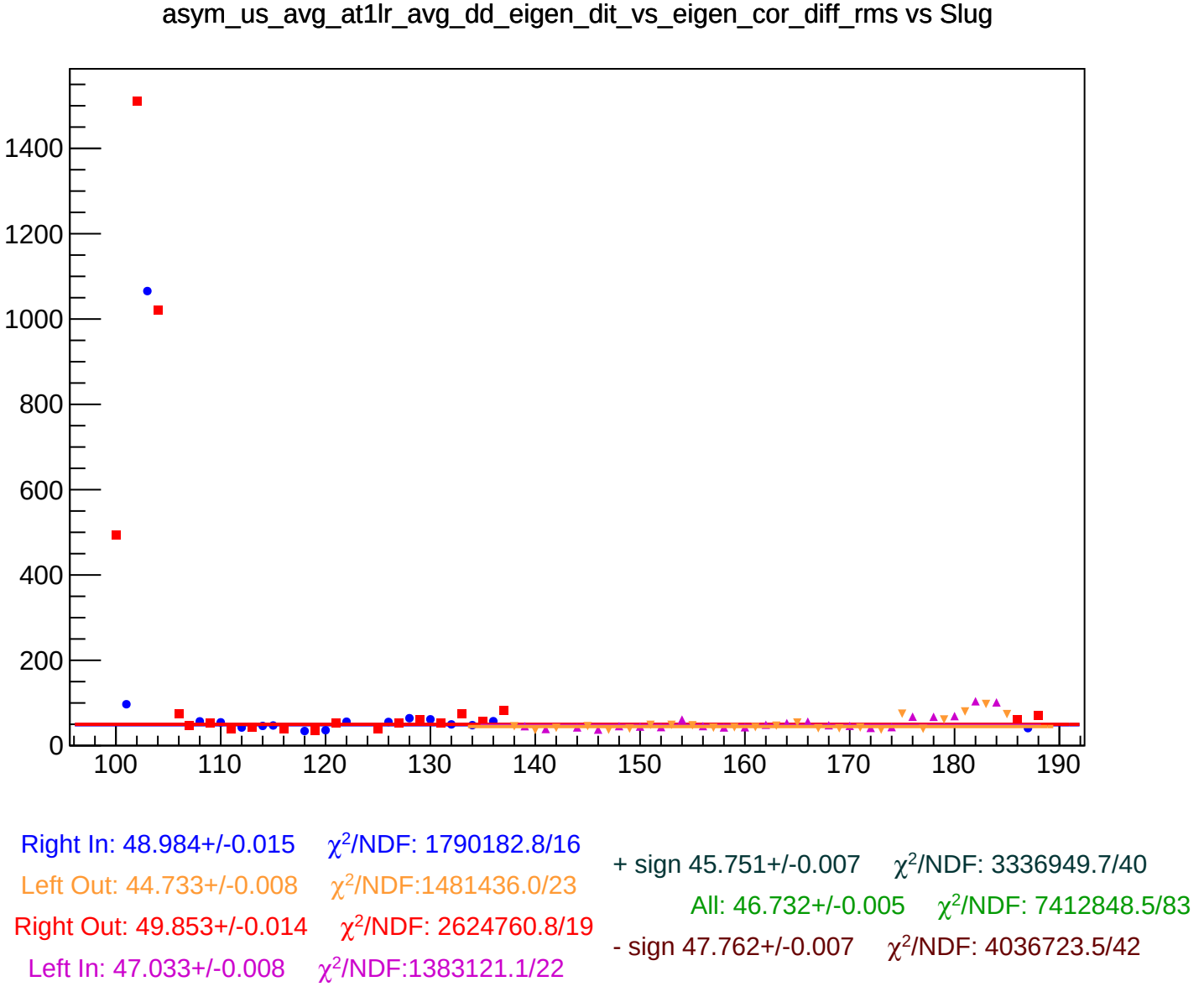
Right Out: -0.007+/-0.020 χ^2/NDF: 11.2/19

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.005+/-0.010 χ^2/NDF: 53.8/40

All: 0.000+/-0.007 χ^2/NDF: 79.9/83

- sign -0.004+/-0.010 χ^2/NDF: 25.7/42


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
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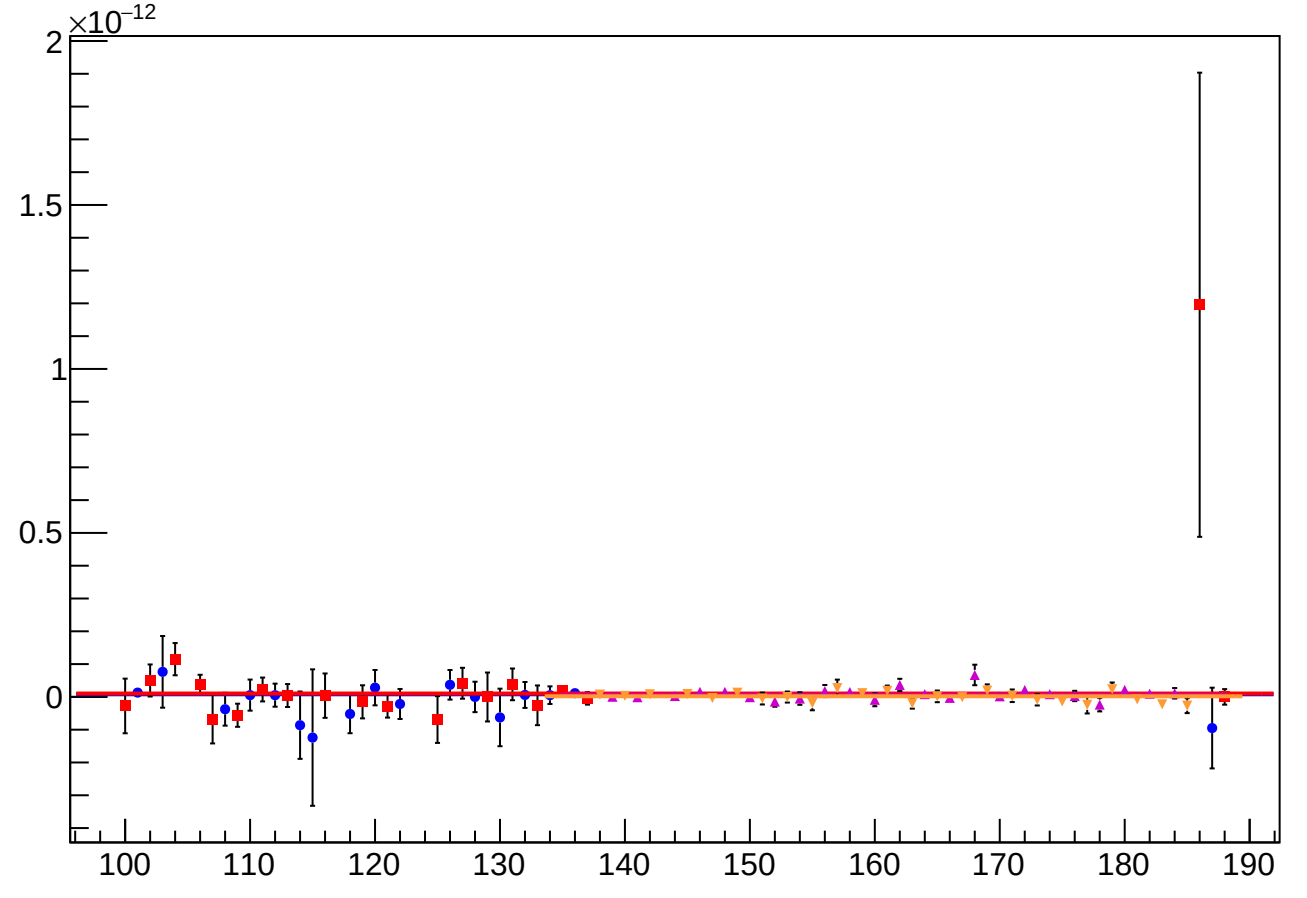
Right In: 48.984+/-0.015 χ²/NDF: 1790182.8/16
Left Out: 44.733+/-0.008 χ²/NDF:1481436.0/23
Right Out: 49.853+/-0.014 χ²/NDF: 2624760.8/19
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 45.751+/-0.007 χ²/NDF: 3336949.7/40
All: 46.732+/-0.005 χ²/NDF: 7412848.5/83
- sign 47.762+/-0.007 χ²/NDF: 4036723.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

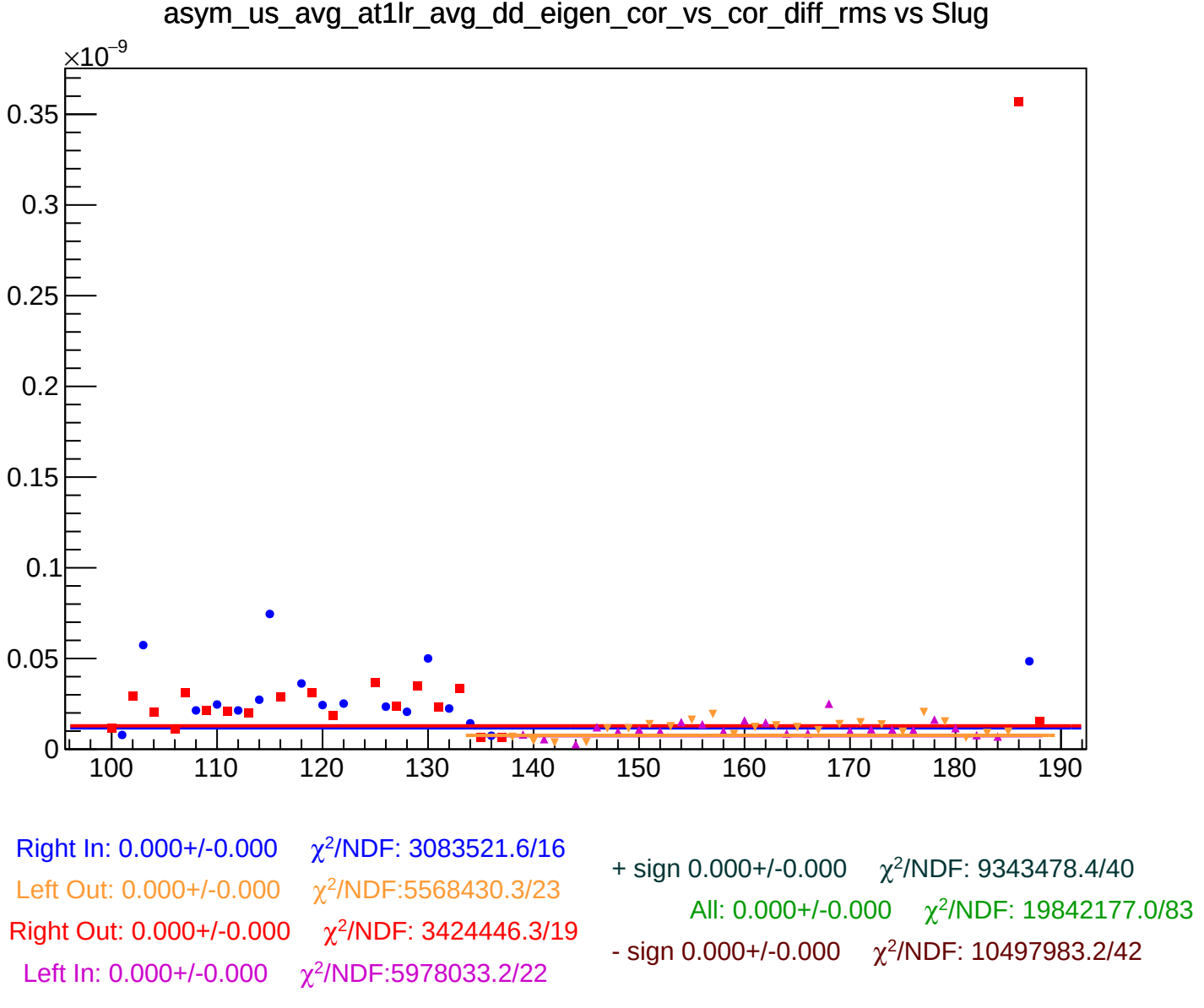
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/19

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

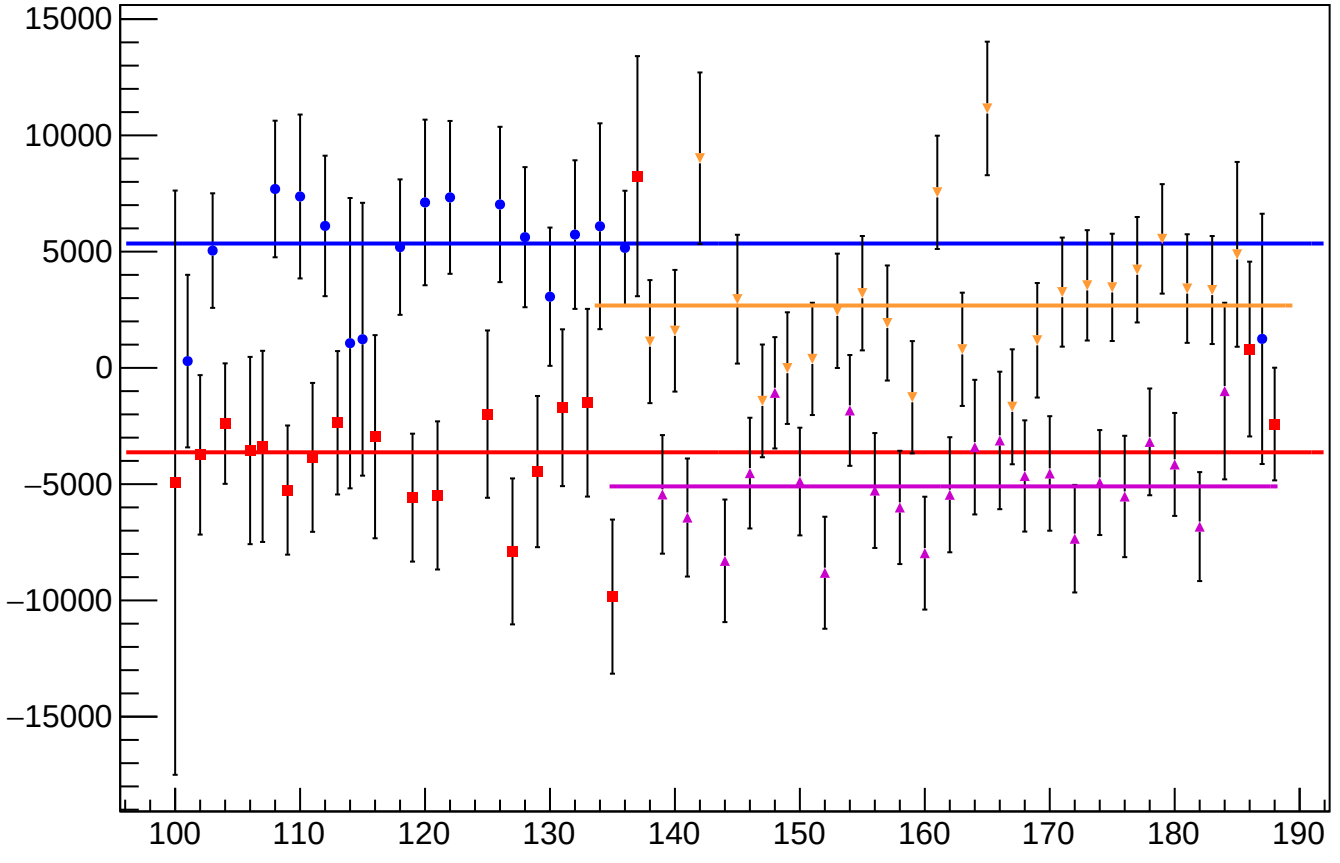
+ sign 0.000+/-0.000 χ^2/NDF: 27.5/40

All: 0.000+/-0.000 χ^2/NDF: 66.0/83

- sign 0.000+/-0.000 χ^2/NDF: 37.6/42


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3083521.6/16
Left Out: 0.000+/-0.000 χ²/NDF:5568430.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 3424446.3/19
Left In: 0.000+/-0.000 χ²/NDF:5978033.2/22
+ sign 0.000+/-0.000 χ²/NDF: 9343478.4/40
All: 0.000+/-0.000 χ²/NDF: 19842177.0/83
- sign 0.000+/-0.000 χ²/NDF: 10497983.2/42

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5348.853+/-803.428 χ^2/NDF: 6.0/16

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3630.493+/-751.870 χ^2/NDF: 14.8/19

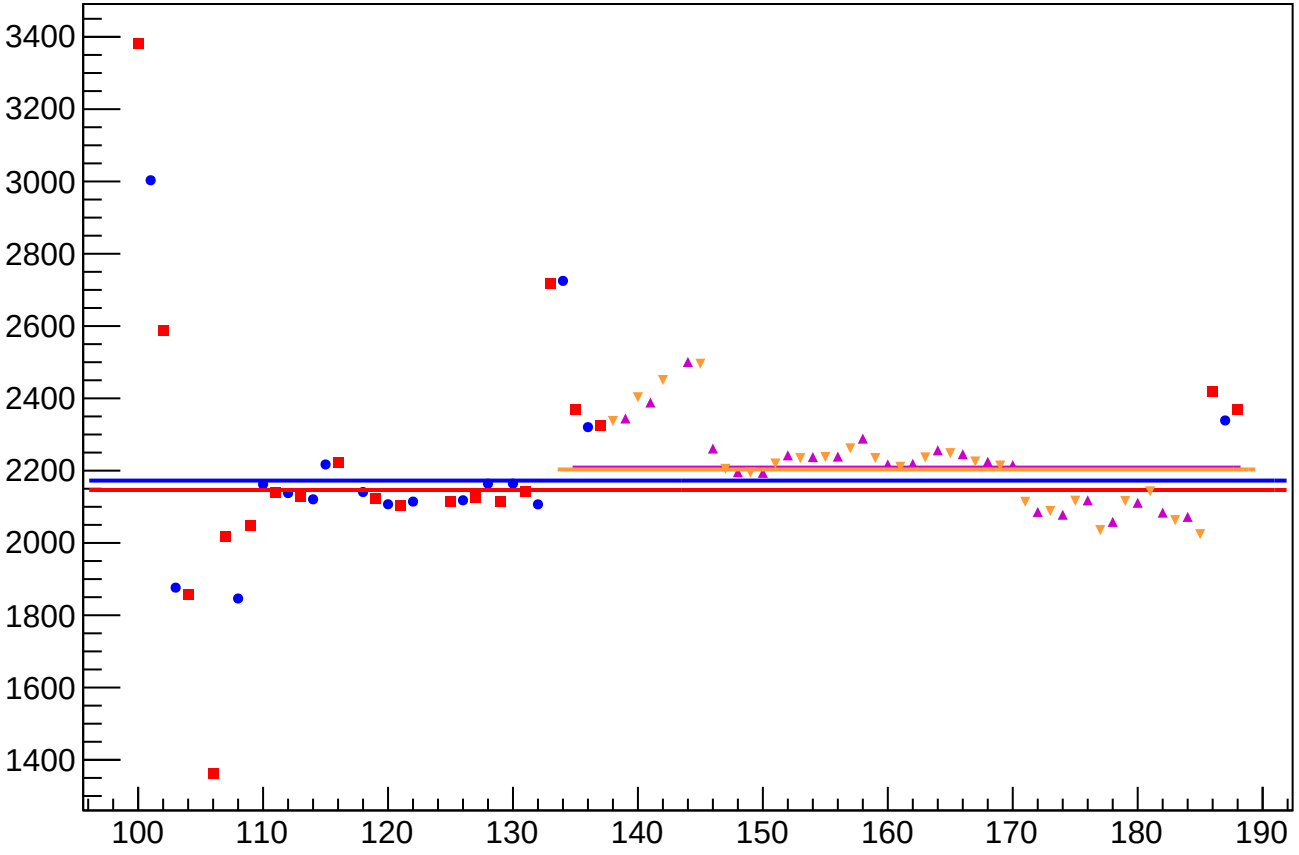
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3452.900+/-431.790 χ^2/NDF: 44.6/40

All: -645.485+/-303.101 χ^2/NDF: 254.5/83

- sign -4626.767+/-425.576 χ^2/NDF: 32.3/42

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2172.507+/-0.568 χ^2/NDF: 197614.1/16

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

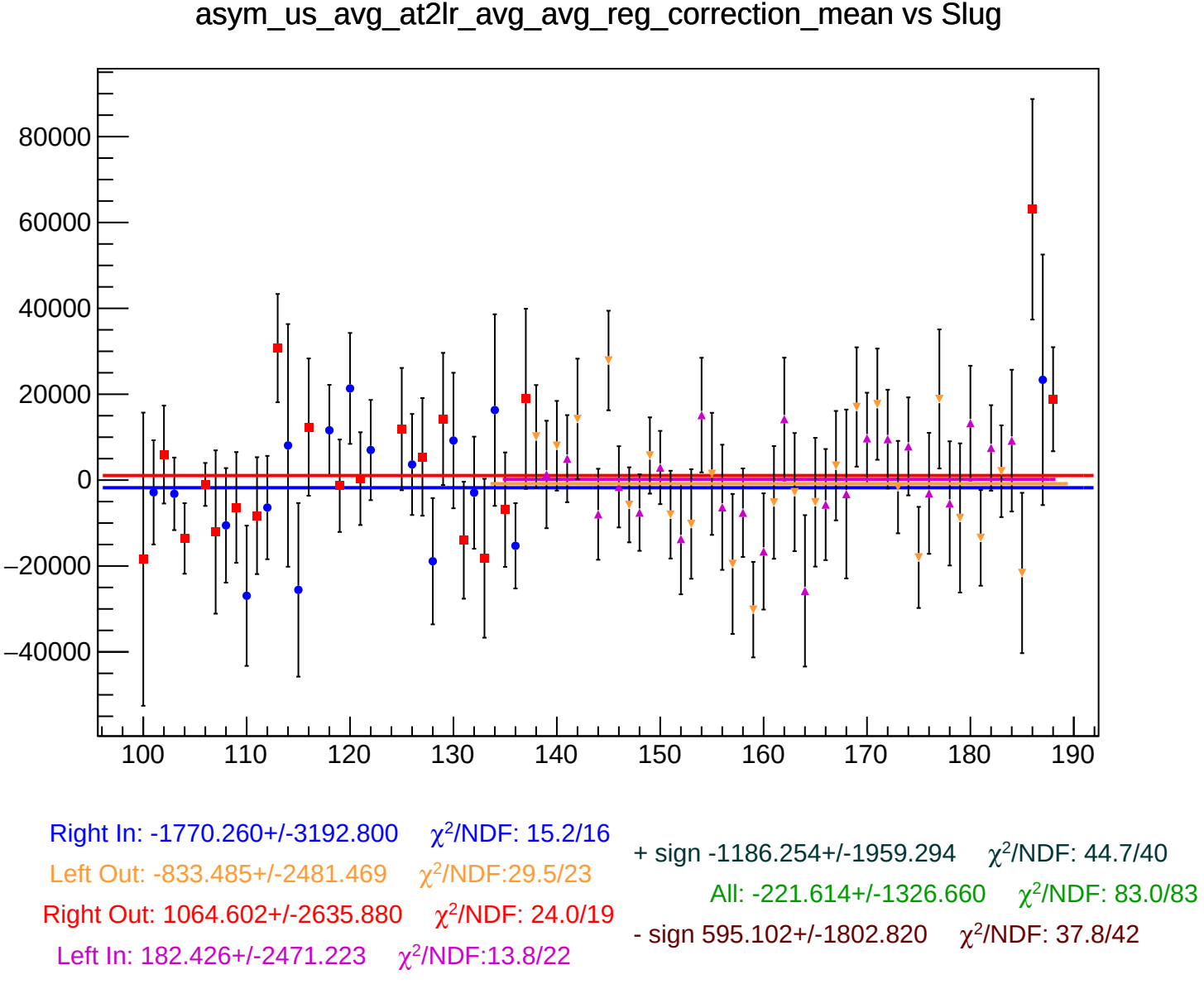
Right Out: 2146.511+/-0.524 χ^2/NDF: 298751.0/19

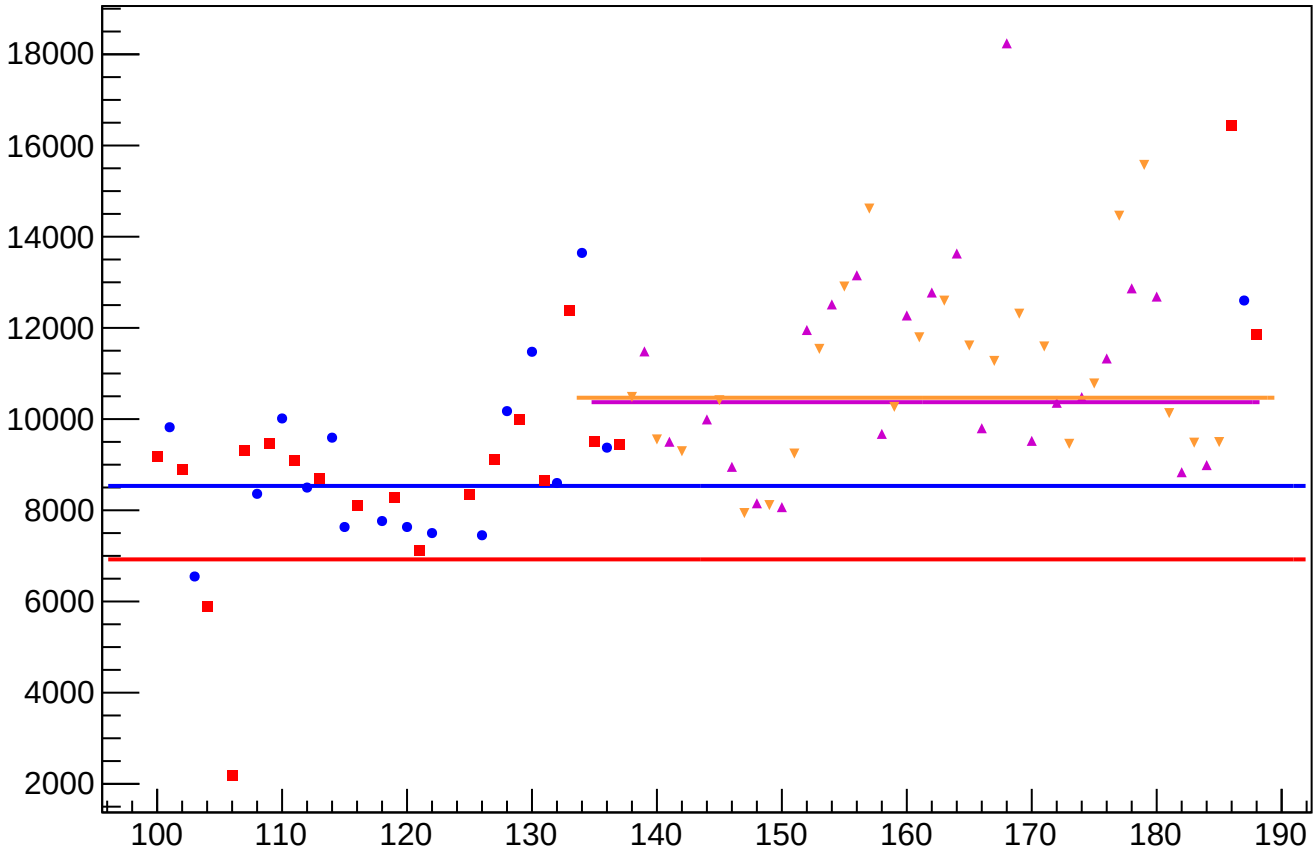
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2194.404+/-0.305 χ^2/NDF: 287911.2/40

All: 2191.234+/-0.214 χ^2/NDF: 677245.7/83

- sign 2188.182+/-0.300 χ^2/NDF: 389123.0/42


asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1770.260+/-3192.800 χ²/NDF: 15.2/16
Left Out: -833.485+/-2481.469 χ²/NDF:29.5/23
Right Out: 1064.602+/-2635.880 χ²/NDF: 24.0/19
Left In: 182.426+/-2471.223 χ²/NDF:13.8/22
+ sign -1186.254+/-1959.294 χ²/NDF: 44.7/40
All: -221.614+/-1326.660 χ²/NDF: 83.0/83
- sign 595.102+/-1802.820 χ²/NDF: 37.8/42



Right In: 8534.290+/-2.258 χ^2/NDF: 462029.9/16

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

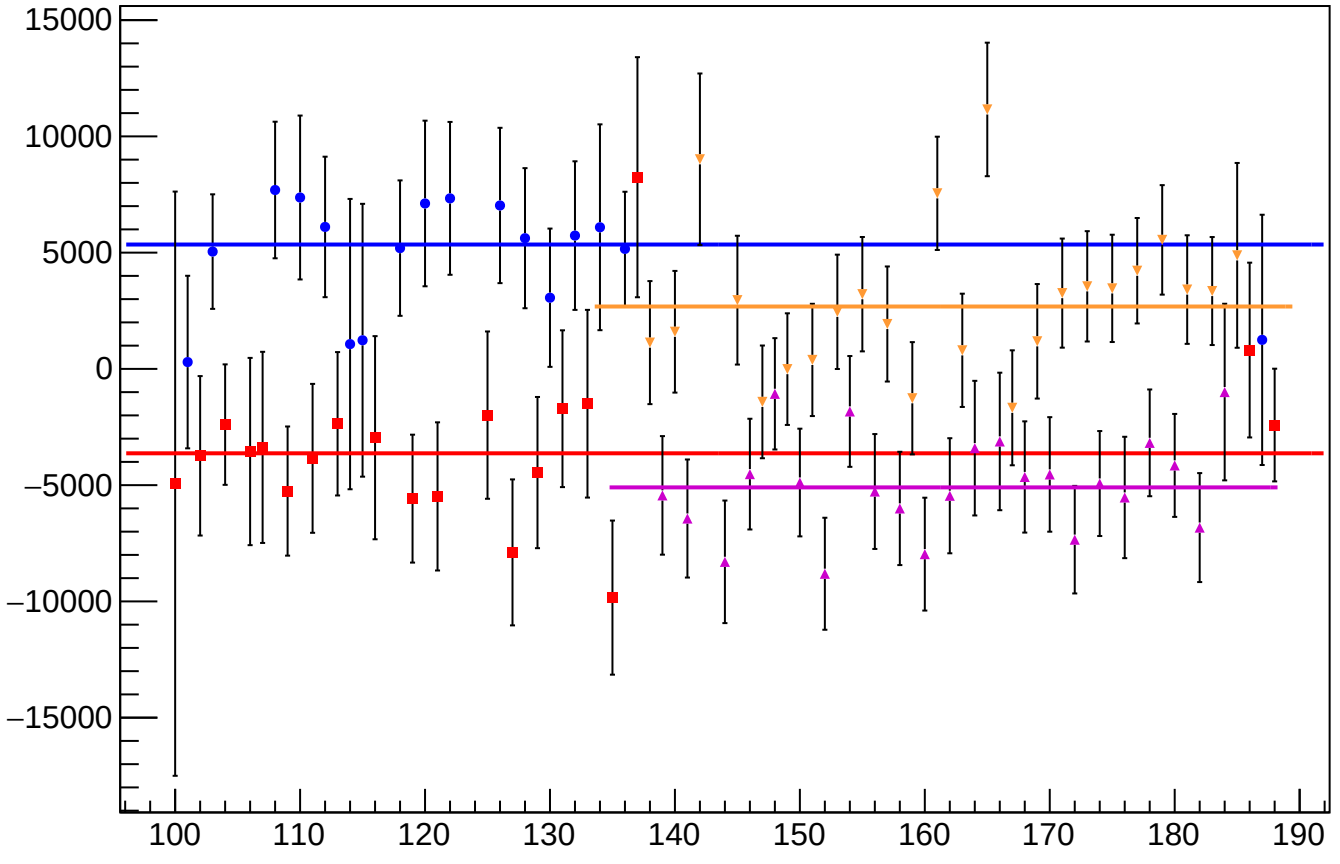
Right Out: 6923.169+/-1.864 χ^2/NDF: 3210069.5/19

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 9740.228+/-1.385 χ^2/NDF: 1964959.6/40

All: 9208.372+/-0.938 χ^2/NDF: 8471998.7/83

- sign 8758.074+/-1.275 χ^2/NDF: 6234891.4/42



Right In: 5349.000+/-803.429 χ^2/NDF: 6.0/16

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3630.234+/-751.870 χ^2/NDF: 14.8/19

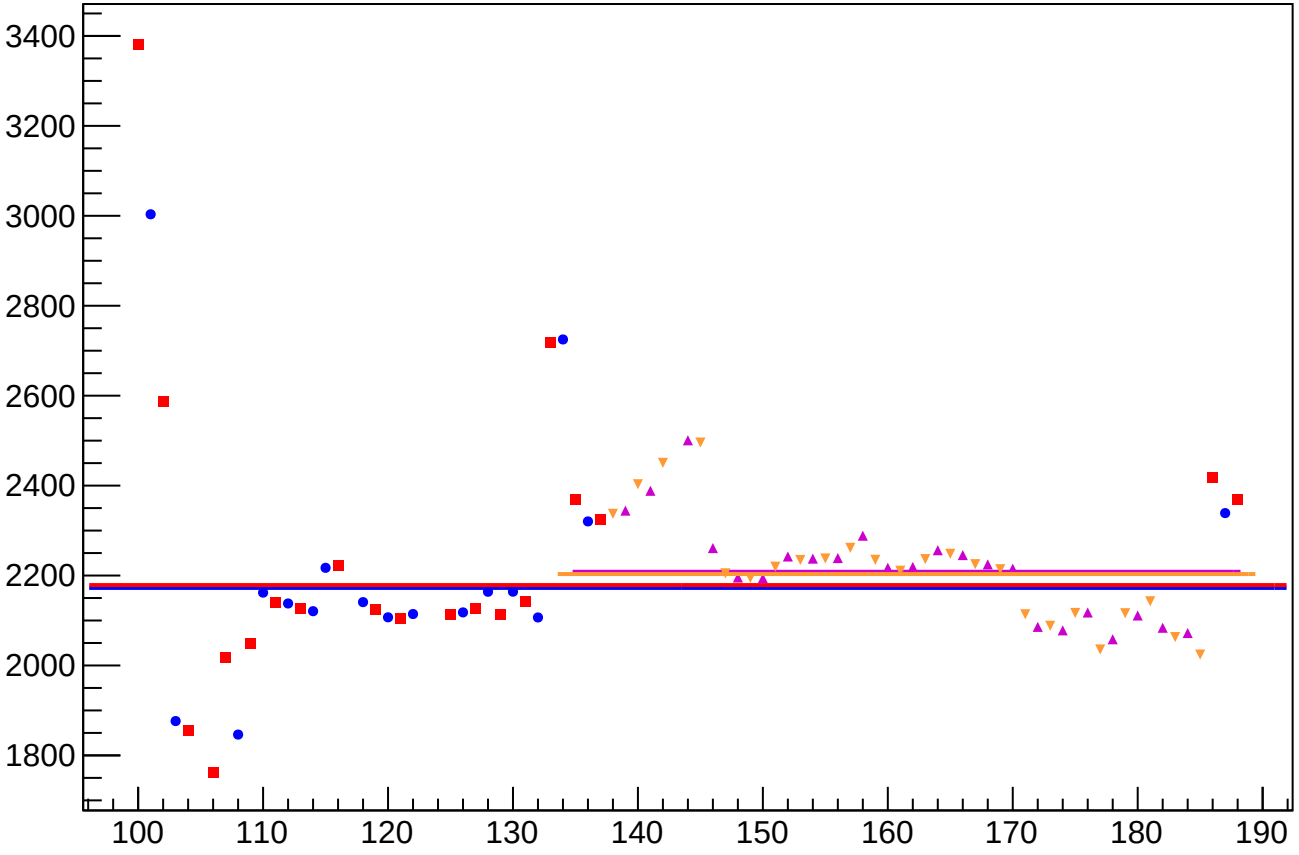
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3452.886+/-431.790 χ^2/NDF: 44.6/40

All: -645.418+/-303.101 χ^2/NDF: 254.5/83

- sign -4626.622+/-425.576 χ^2/NDF: 32.3/42

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2172.507+/-0.568 χ^2/NDF: 197614.5/16

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

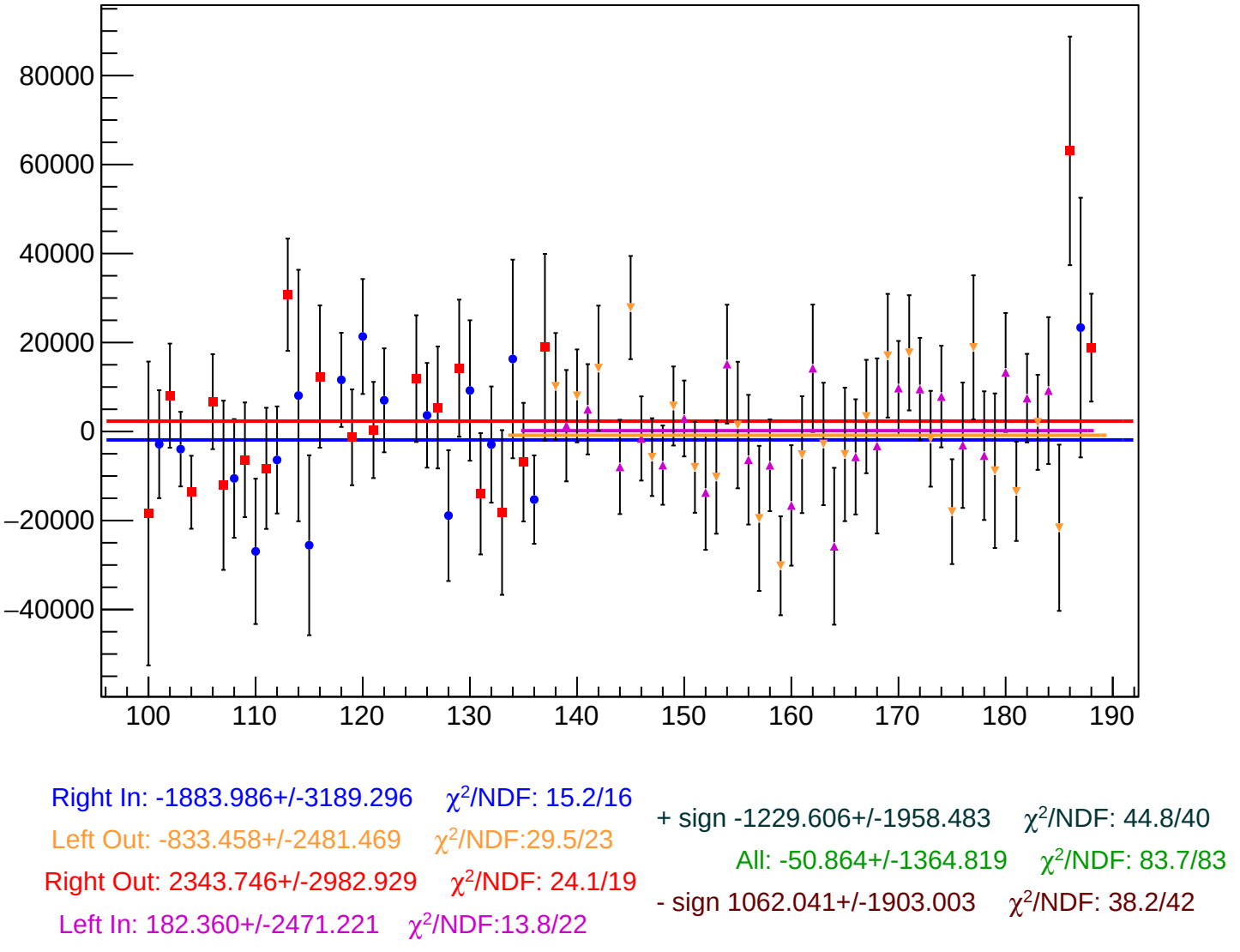
Right Out: 2178.796+/-0.529 χ^2/NDF: 181247.1/19

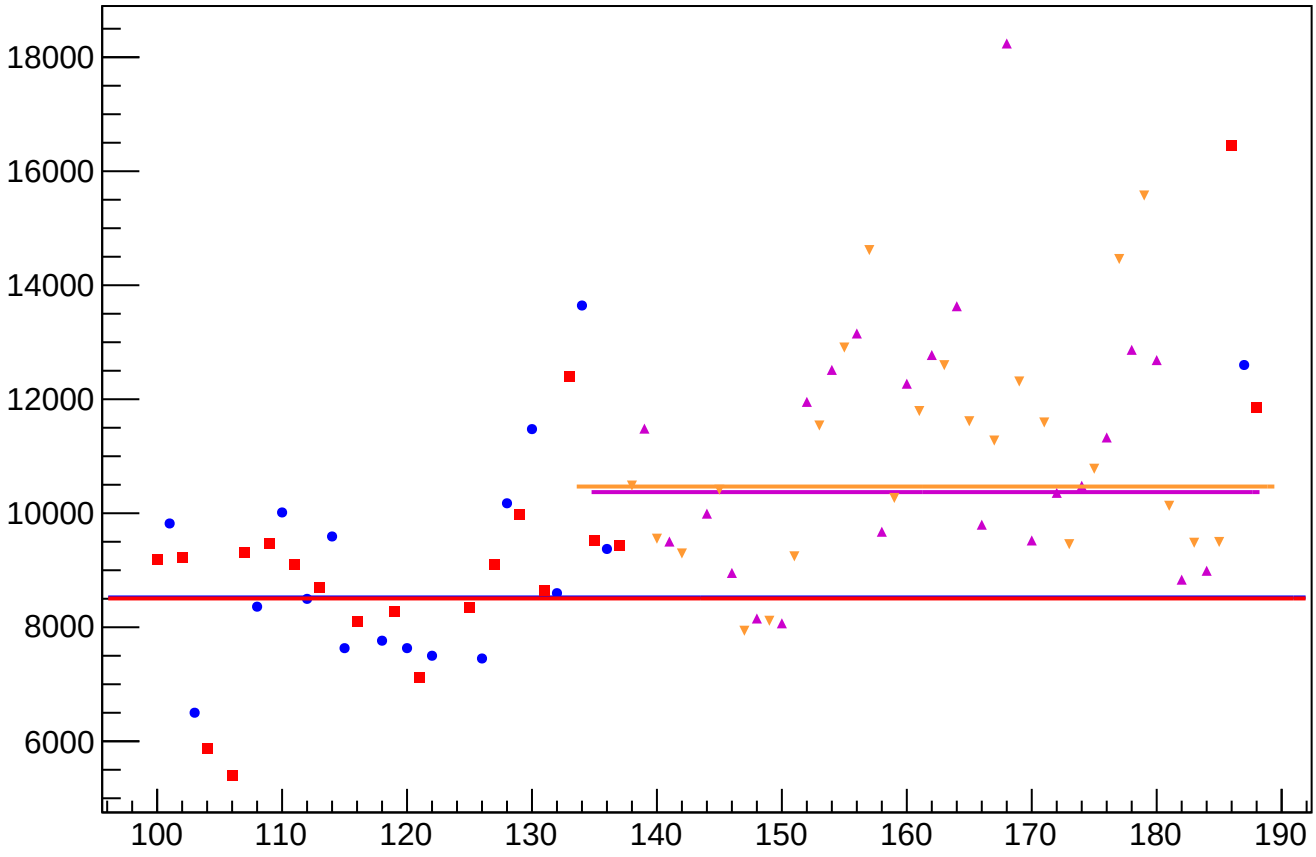
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2194.404+/-0.305 χ^2/NDF: 287911.6/40

All: 2196.660+/-0.214 χ^2/NDF: 552377.1/83

- sign 2198.846+/-0.301 χ^2/NDF: 264358.0/42


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1883.986+/-3189.296 χ²/NDF: 15.2/16
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: 2343.746+/-2982.929 χ²/NDF: 24.1/19
Left In: 182.360+/-2471.221 χ²/NDF:13.8/22
+ sign -1229.606+/-1958.483 χ²/NDF: 44.8/40
All: -50.864+/-1364.819 χ²/NDF: 83.7/83
- sign 1062.041+/-1903.003 χ²/NDF: 38.2/42



Right In: 8523.060+/-2.255 χ^2/NDF: 469088.4/16

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

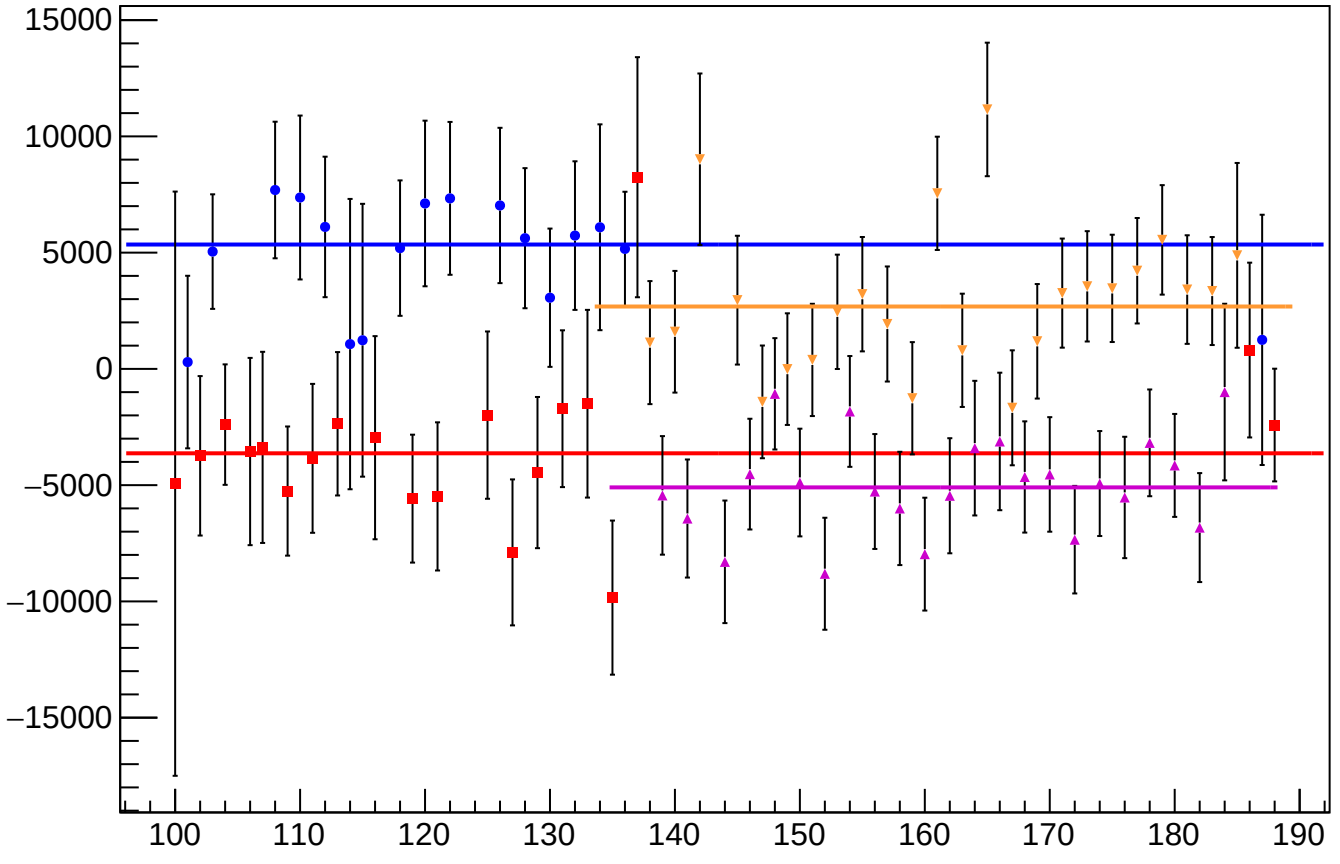
Right Out: 8505.350+/-2.109 χ^2/NDF: 907920.3/19

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9734.995+/-1.385 χ^2/NDF: 1977982.9/40

All: 9671.533+/-0.965 χ^2/NDF: 4557631.2/83

- sign 9611.615+/-1.346 χ^2/NDF: 2575565.5/42



Right In: 5349.000+/-803.429 χ^2/NDF: 6.0/16

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3630.234+/-751.870 χ^2/NDF: 14.8/19

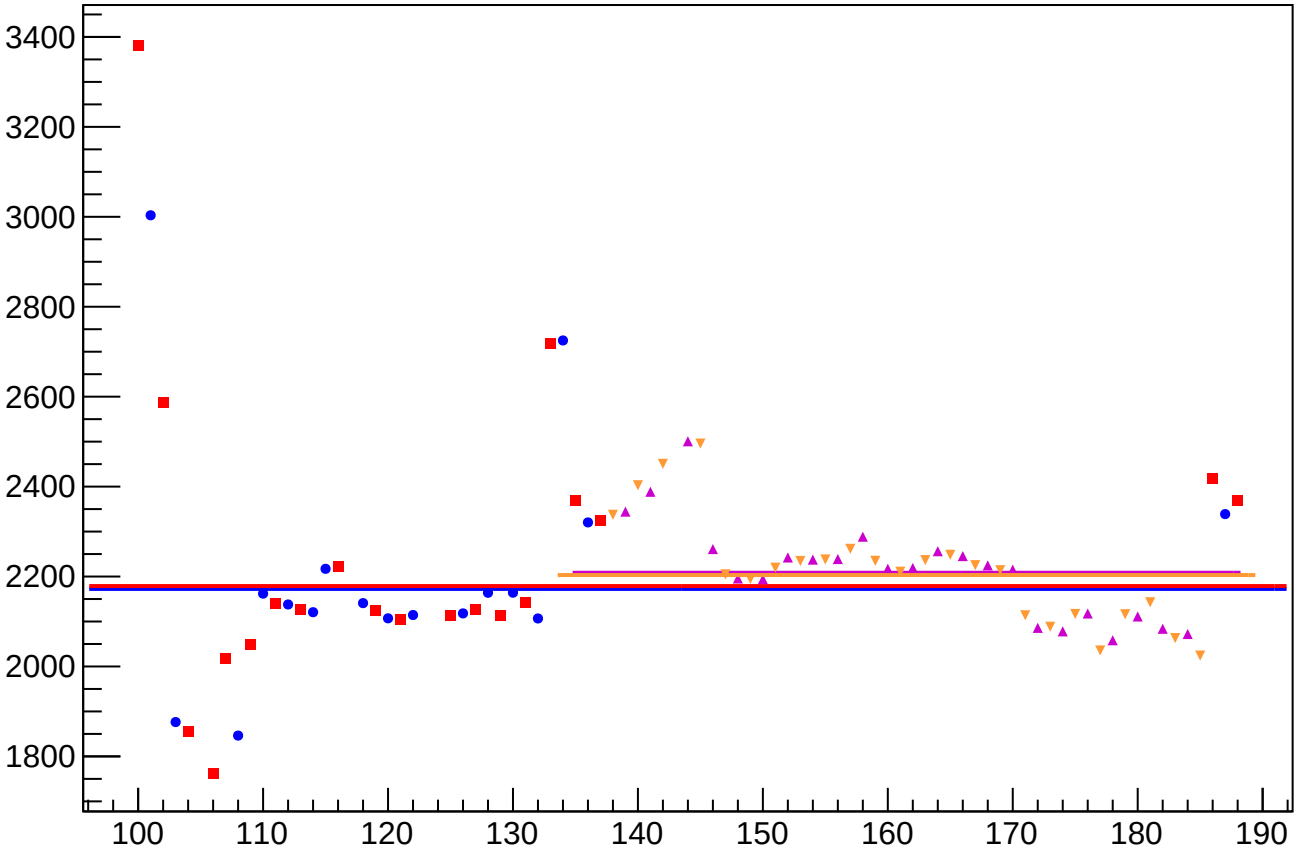
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3452.886+/-431.790 χ^2/NDF: 44.6/40

All: -645.418+/-303.101 χ^2/NDF: 254.5/83

- sign -4626.622+/-425.576 χ^2/NDF: 32.3/42

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2172.507+/-0.568 χ^2/NDF: 197614.5/16

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

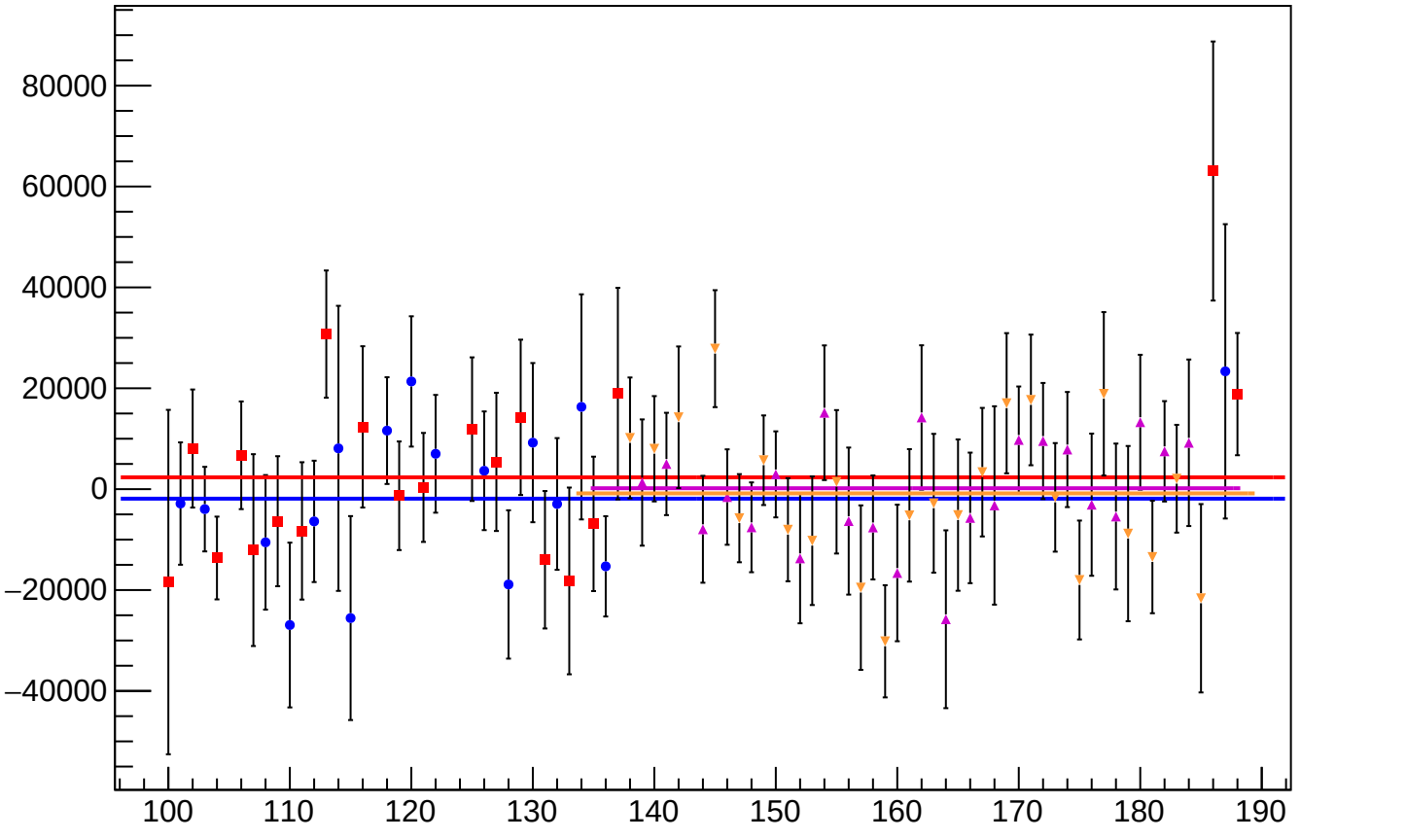
Right Out: 2178.796+/-0.529 χ^2/NDF: 181247.1/19

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2194.404+/-0.305 χ^2/NDF: 287911.6/40

All: 2196.660+/-0.214 χ^2/NDF: 552377.1/83

- sign 2198.846+/-0.301 χ^2/NDF: 264358.0/42



Right In: -1883.986+/-3189.296 χ^2/NDF: 15.2/16

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

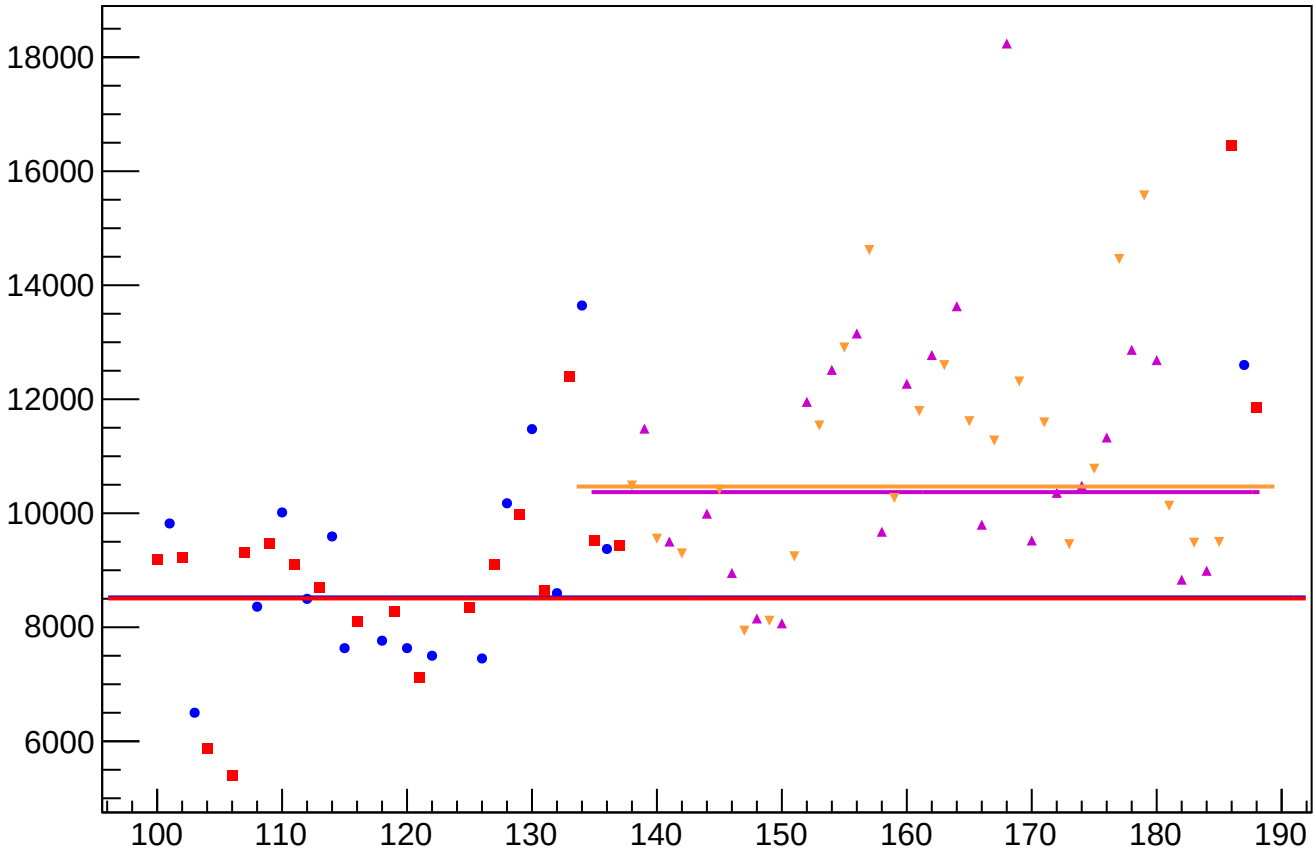
Right Out: 2343.746+/-2982.929 χ^2/NDF: 24.1/19

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -1229.606+/-1958.483 χ^2/NDF: 44.8/40

All: -50.864+/-1364.819 χ^2/NDF: 83.7/83

- sign 1062.041+/-1903.003 χ^2/NDF: 38.2/42



Right In: 8523.060+/-2.255 χ^2/NDF: 469088.4/16

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 8505.350+/-2.109 χ^2/NDF: 907920.3/19

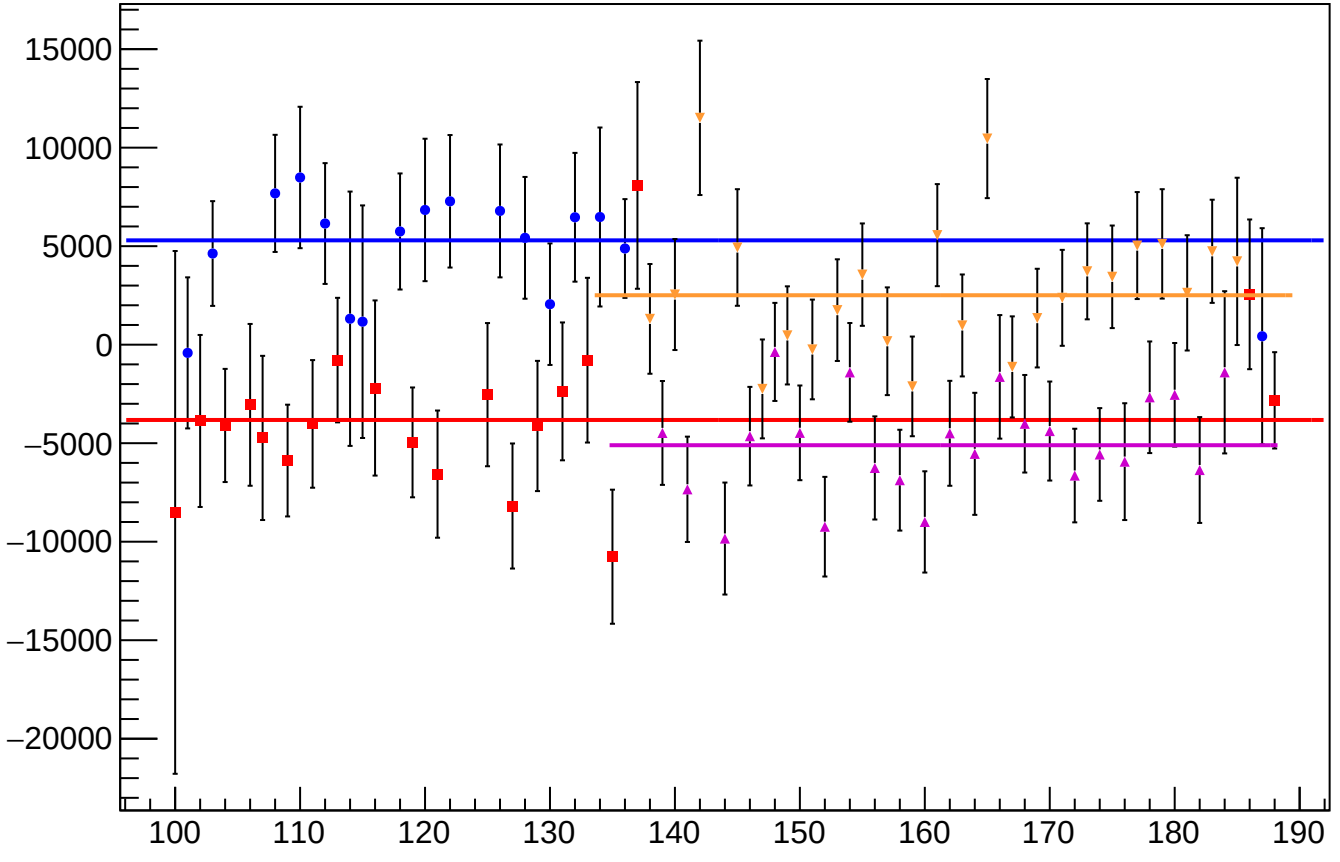
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9734.995+/-1.385 χ^2/NDF: 1977982.9/40

All: 9671.533+/-0.965 χ^2/NDF: 4557631.2/83

- sign 9611.615+/-1.346 χ^2/NDF: 2575565.5/42

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5295.419+/-824.223 χ^2/NDF: 7.5/16

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3821.311+/-777.063 χ^2/NDF: 17.7/19

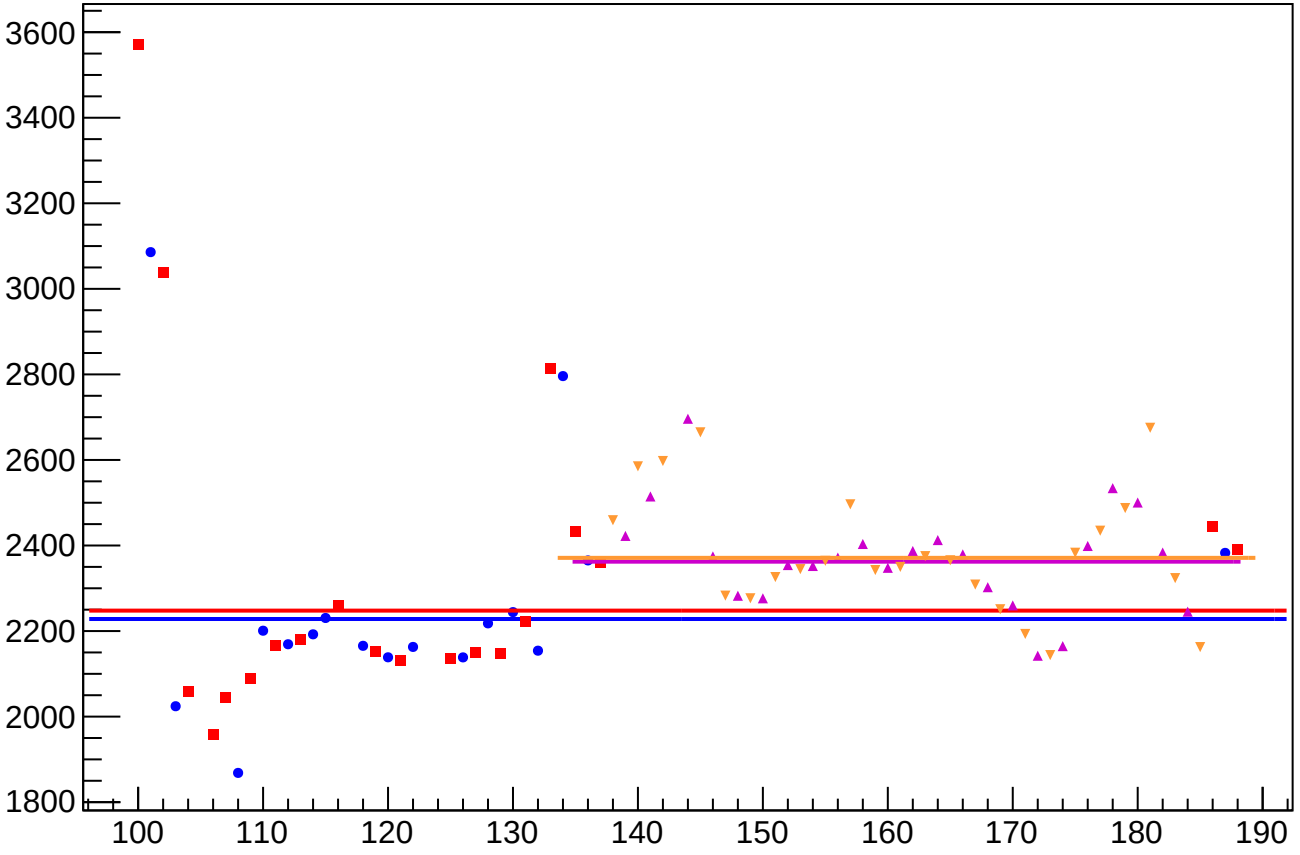
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3370.918+/-458.415 χ^2/NDF: 45.2/40

All: -722.375+/-321.251 χ^2/NDF: 241.3/83

- sign -4672.538+/-450.329 χ^2/NDF: 39.4/42

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2228.185+/-0.583 χ^2/NDF: 186305.0/16

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

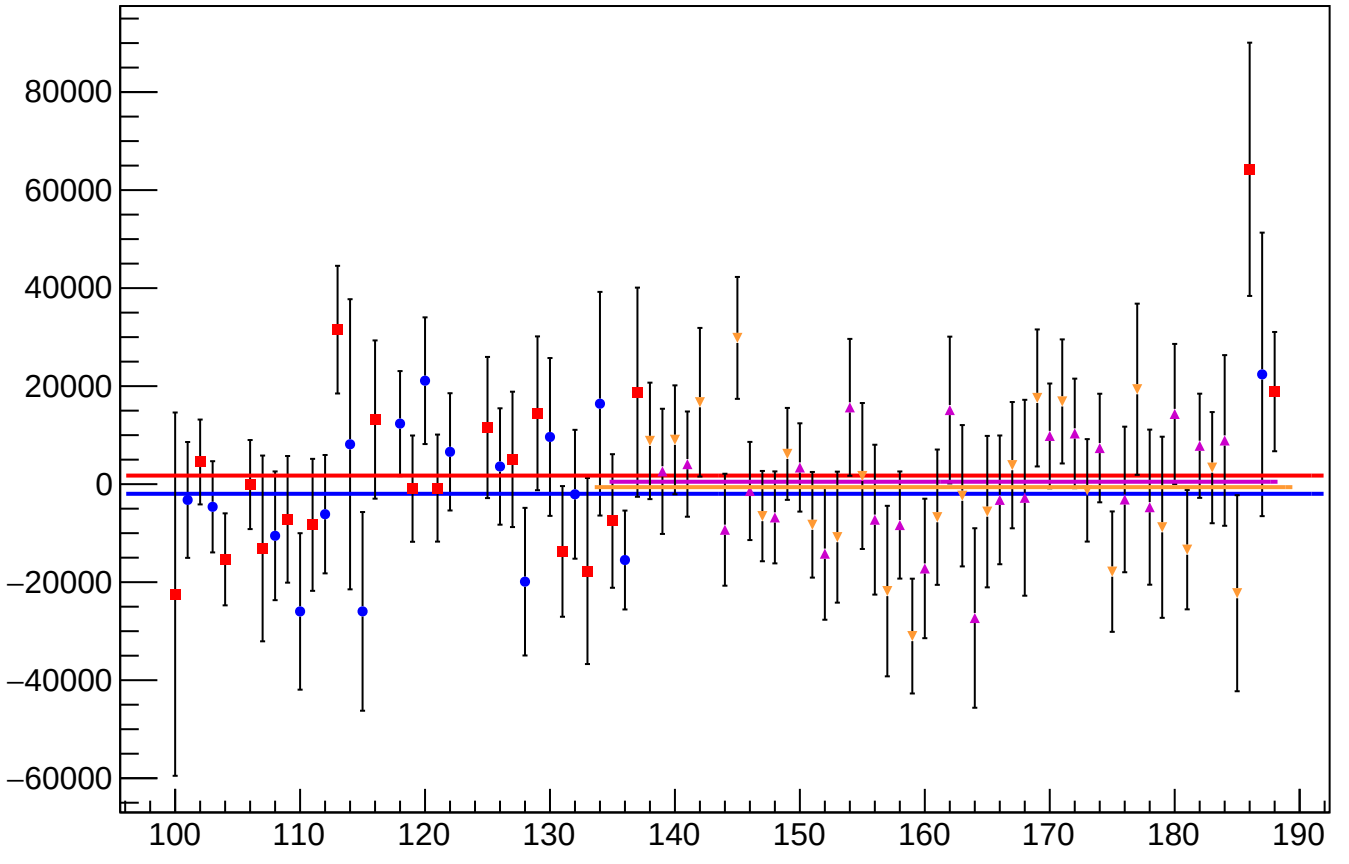
Right Out: 2247.794+/-0.549 χ^2/NDF: 184074.7/19

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2326.917+/-0.324 χ^2/NDF: 344153.1/40

All: 2325.311+/-0.227 χ^2/NDF: 648994.8/83

- sign 2323.761+/-0.318 χ^2/NDF: 304793.5/42



Right In: -1966.693+/-3251.017 χ^2/NDF: 15.2/16

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: 1751.438+/-2926.161 χ^2/NDF: 23.9/19

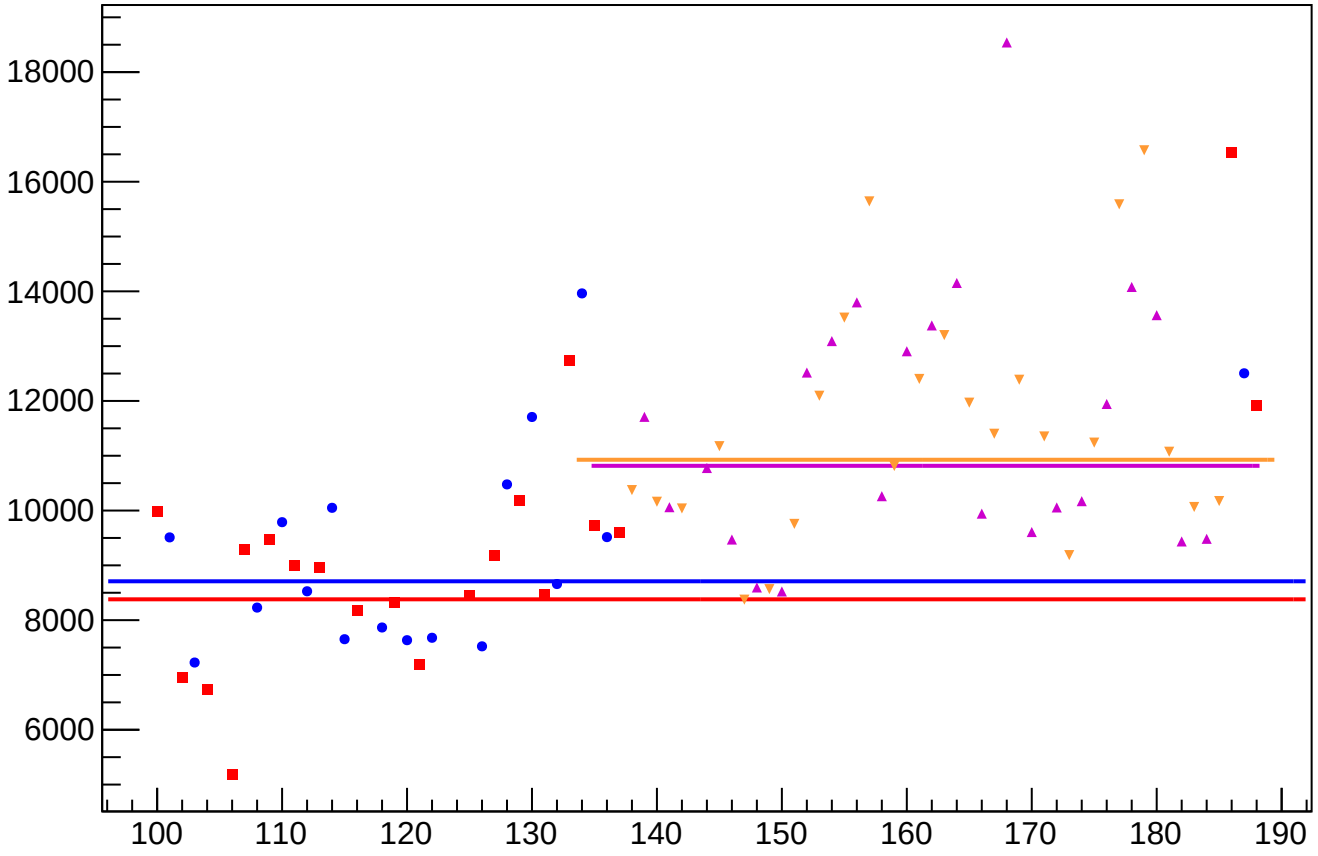
Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -1135.683+/-2025.694 χ^2/NDF: 44.2/40

All: 3.062+/-1398.849 χ^2/NDF: 82.3/83

- sign 1041.081+/-1934.030 χ^2/NDF: 37.5/42

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug



Right In: 8709.292+/-2.299 χ^2/NDF: 392835.1/16

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

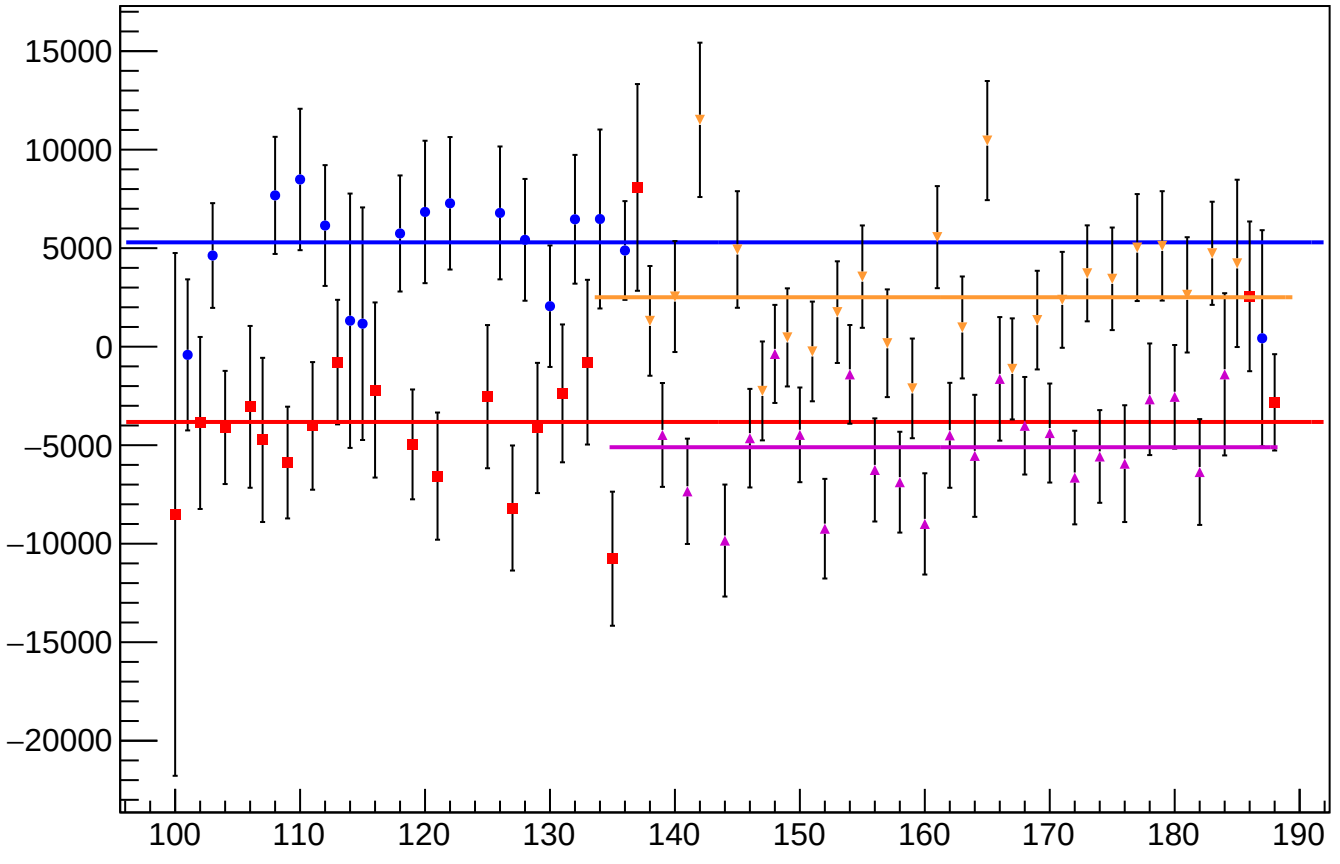
Right Out: 8380.191+/-2.069 χ^2/NDF: 951035.8/19

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10065.894+/-1.432 χ^2/NDF: 2019439.6/40

All: 9901.738+/-0.989 χ^2/NDF: 4973059.2/83

- sign 9752.102+/-1.368 χ^2/NDF: 2928513.5/42



Right In: 5295.421+/-824.223 χ^2/NDF: 7.5/16

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -3821.315+/-777.062 χ^2/NDF: 17.7/19

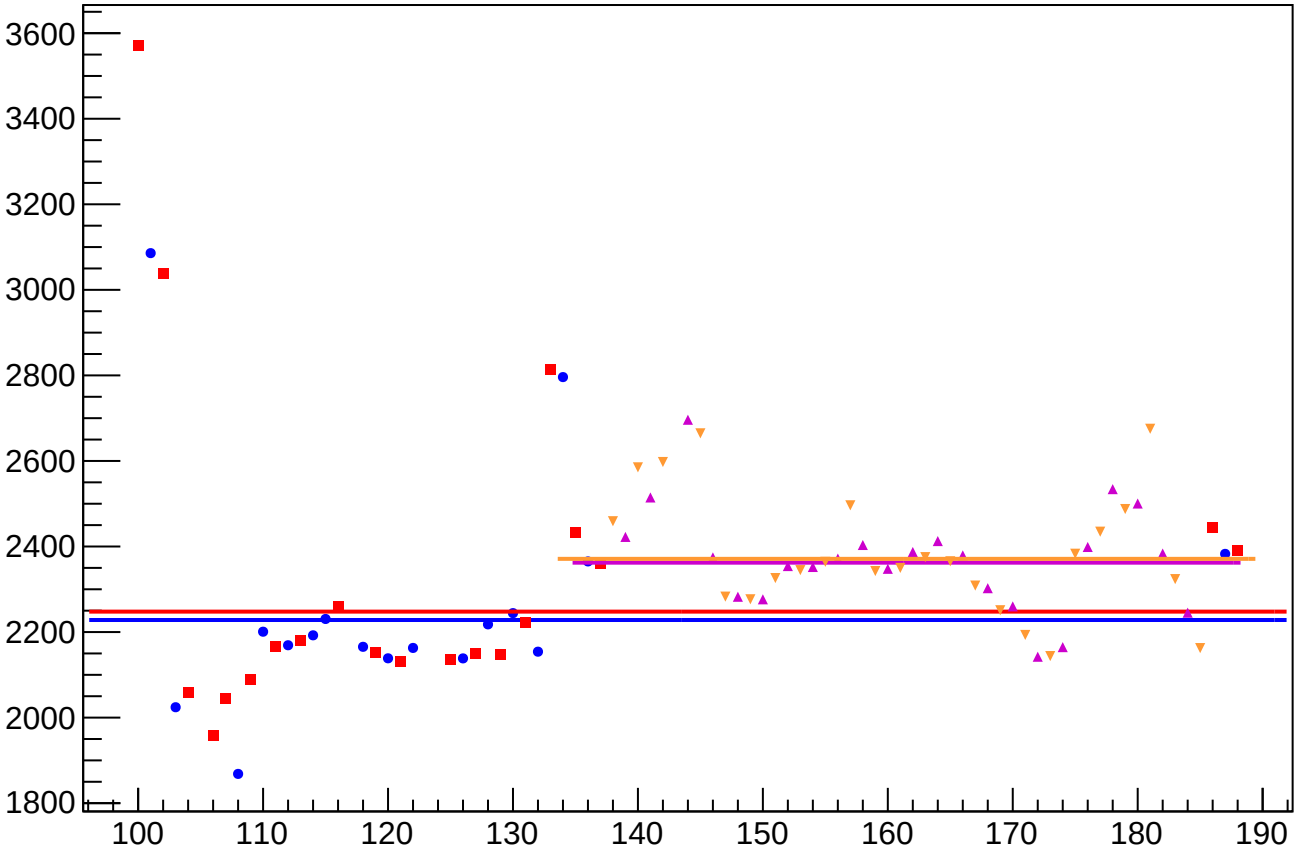
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3370.913+/-458.415 χ^2/NDF: 45.2/40

All: -722.380+/-321.252 χ^2/NDF: 241.3/83

- sign -4672.540+/-450.329 χ^2/NDF: 39.4/42

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2228.184+/-0.583 χ^2/NDF: 186305.3/16

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

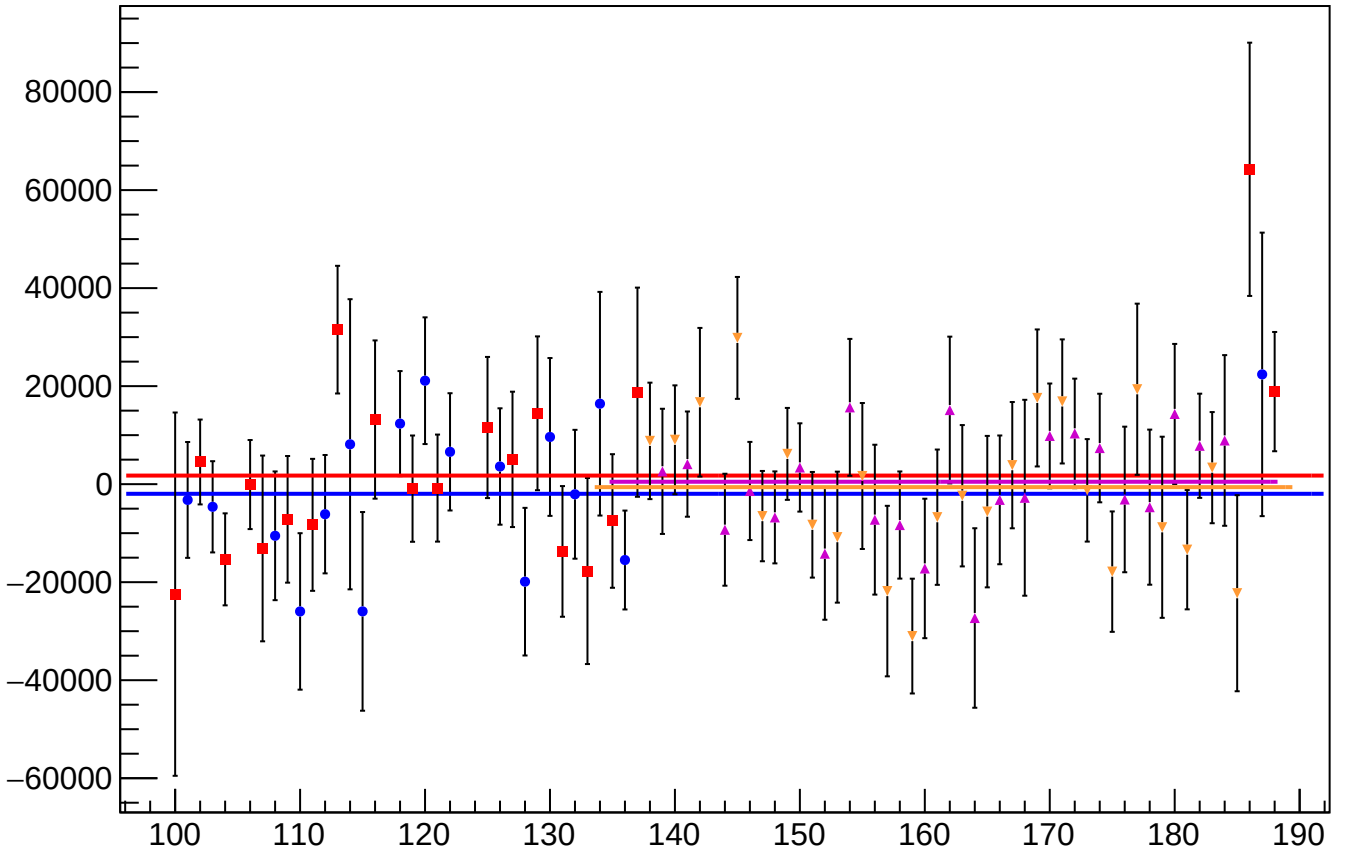
Right Out: 2247.793+/-0.549 χ^2/NDF: 184074.7/19

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2326.919+/-0.324 χ^2/NDF: 344159.9/40

All: 2325.313+/-0.227 χ^2/NDF: 649008.2/83

- sign 2323.763+/-0.318 χ^2/NDF: 304800.0/42



Right In: -1966.672+/-3251.010 χ^2/NDF: 15.2/16

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

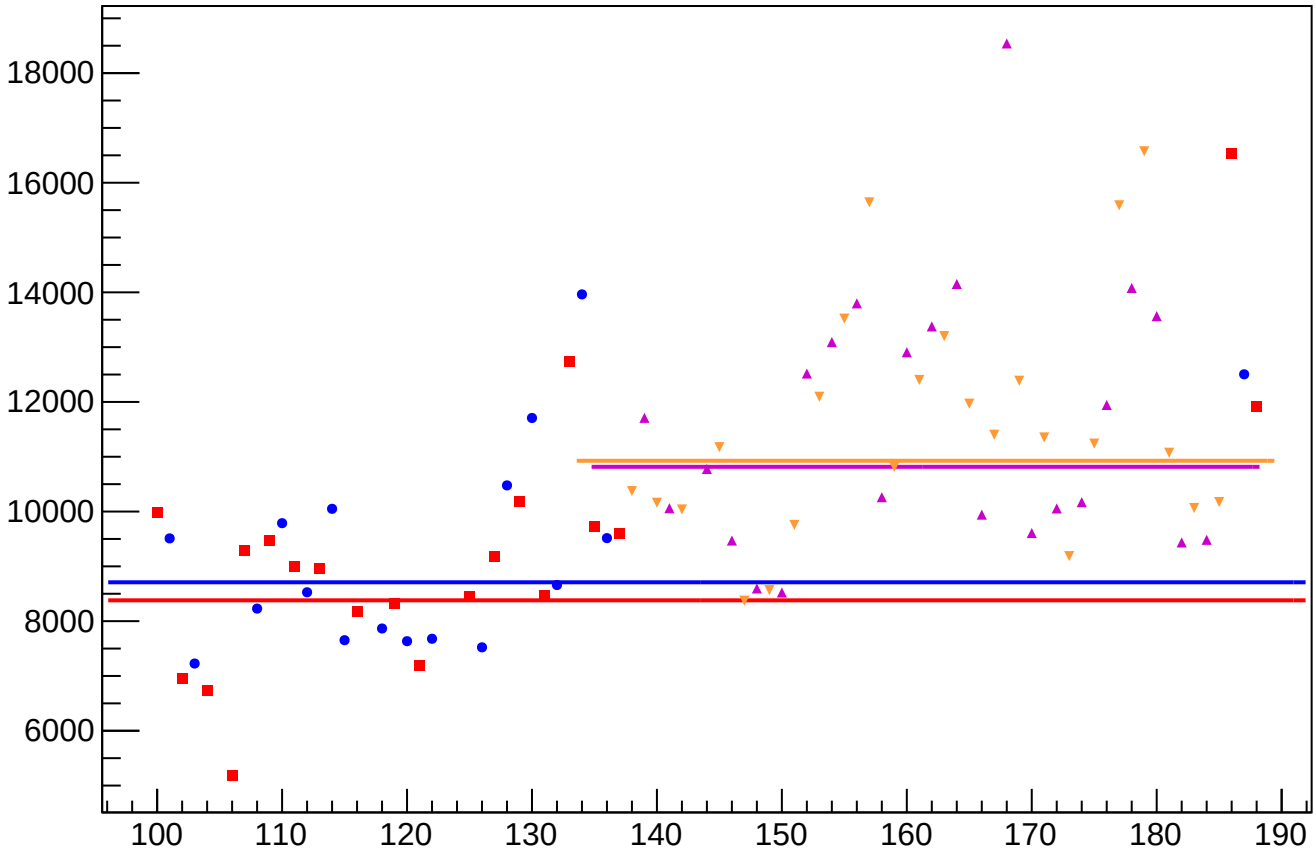
Right Out: 1751.425+/-2926.155 χ^2/NDF: 23.9/19

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -1135.682+/-2025.695 χ^2/NDF: 44.2/40

All: 3.062+/-1398.849 χ^2/NDF: 82.3/83

- sign 1041.079+/-1934.030 χ^2/NDF: 37.5/42



Right In: 8709.271+/-2.299 χ^2/NDF: 392837.9/16

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

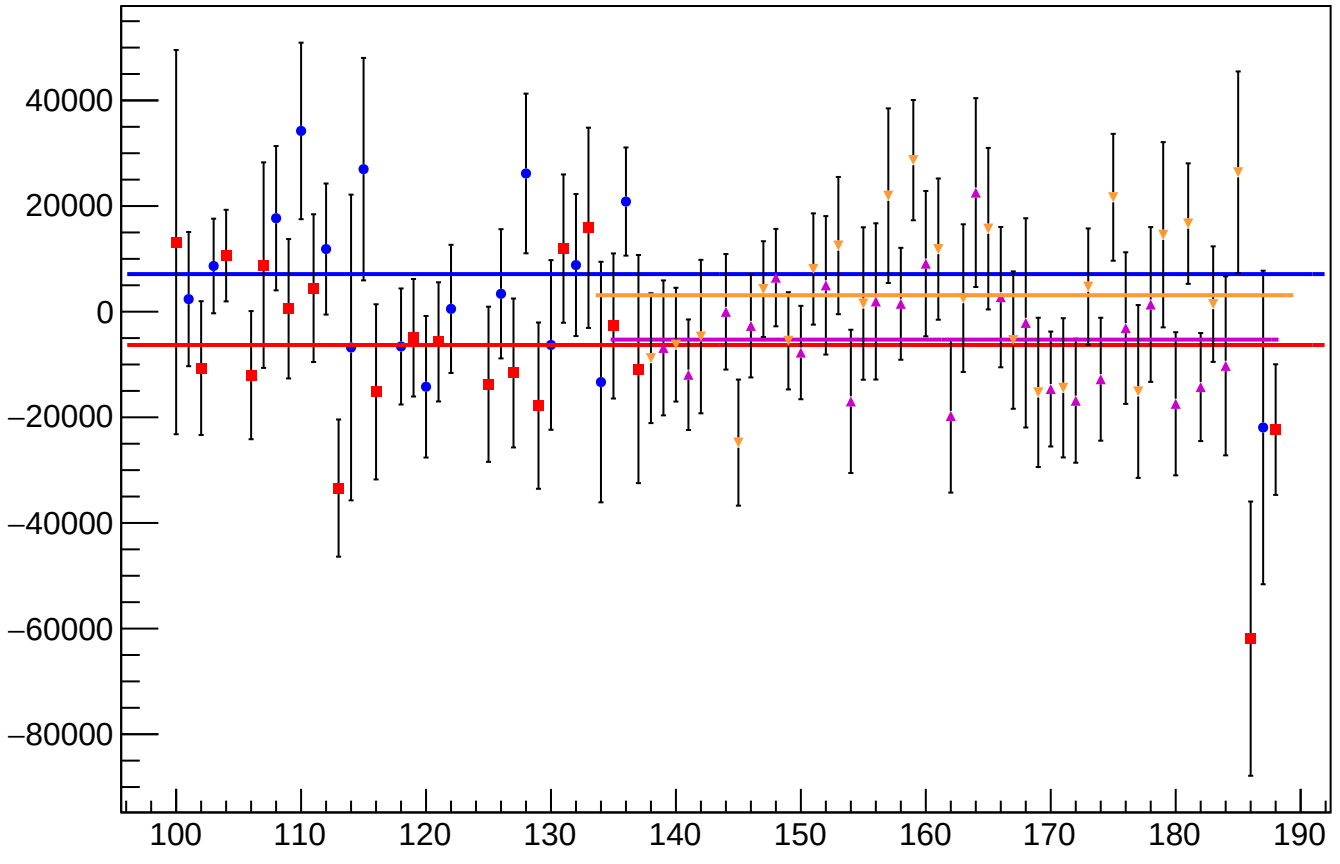
Right Out: 8380.173+/-2.069 χ^2/NDF: 951037.7/19

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10065.892+/-1.432 χ^2/NDF: 2019465.7/40

All: 9901.736+/-0.989 χ^2/NDF: 4973113.5/83

- sign 9752.100+/-1.368 χ^2/NDF: 2928541.6/42



Right In: 7116.078+/-3310.138 χ^2/NDF: 15.0/16

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -6306.680+/-3113.948 χ^2/NDF: 20.9/19

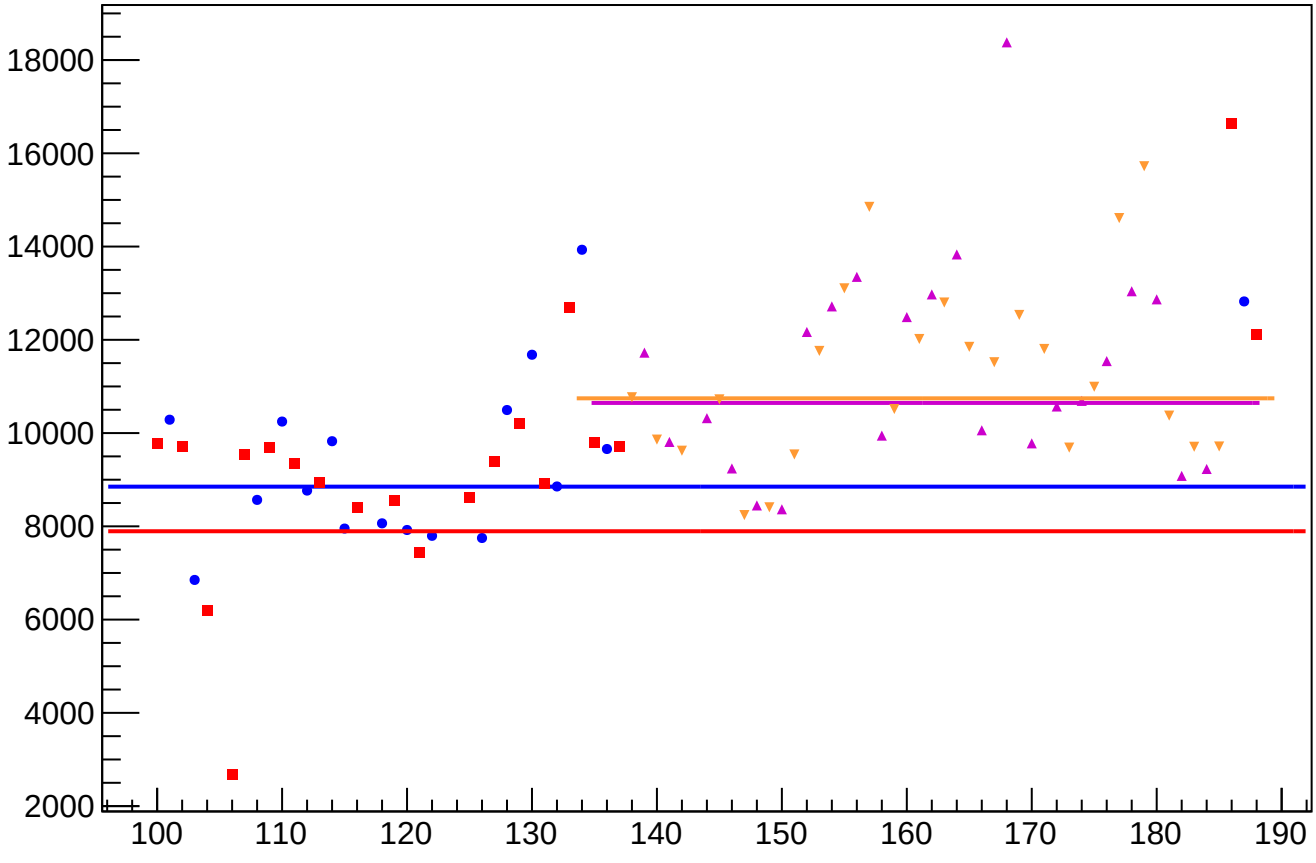
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4602.507+/-2016.530 χ^2/NDF: 43.4/40

All: -679.655+/-1407.327 χ^2/NDF: 91.1/83

- sign -5695.272+/-1964.993 χ^2/NDF: 34.3/42

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8851.094+/-2.341 χ^2/NDF: 430841.5/16

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

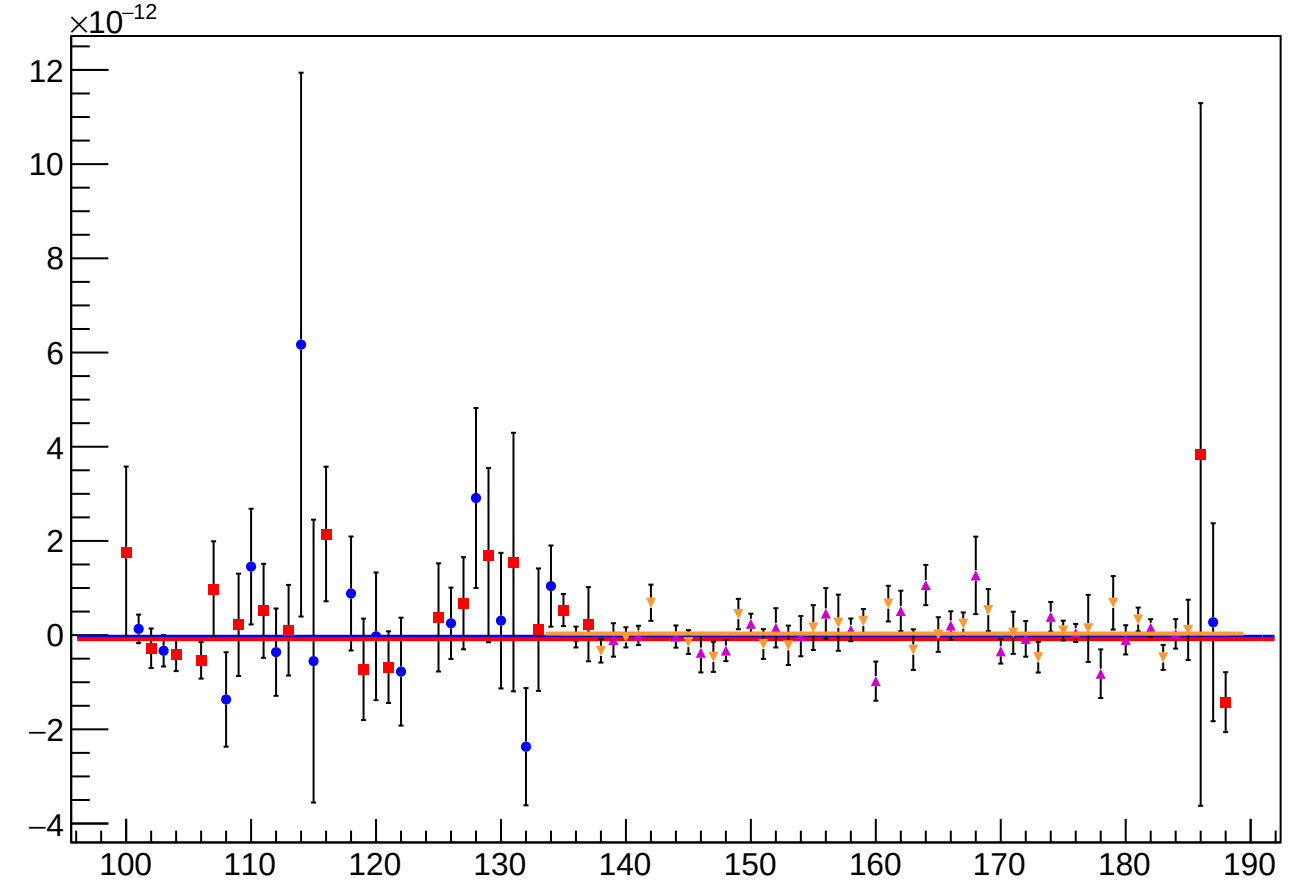
Right Out: 7894.660+/-2.055 χ^2/NDF: 2145309.6/19

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10042.327+/-1.426 χ^2/NDF: 1807347.4/40

All: 9734.495+/-0.980 χ^2/NDF: 6174176.0/83

- sign 9458.473+/-1.350 χ^2/NDF: 4278430.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

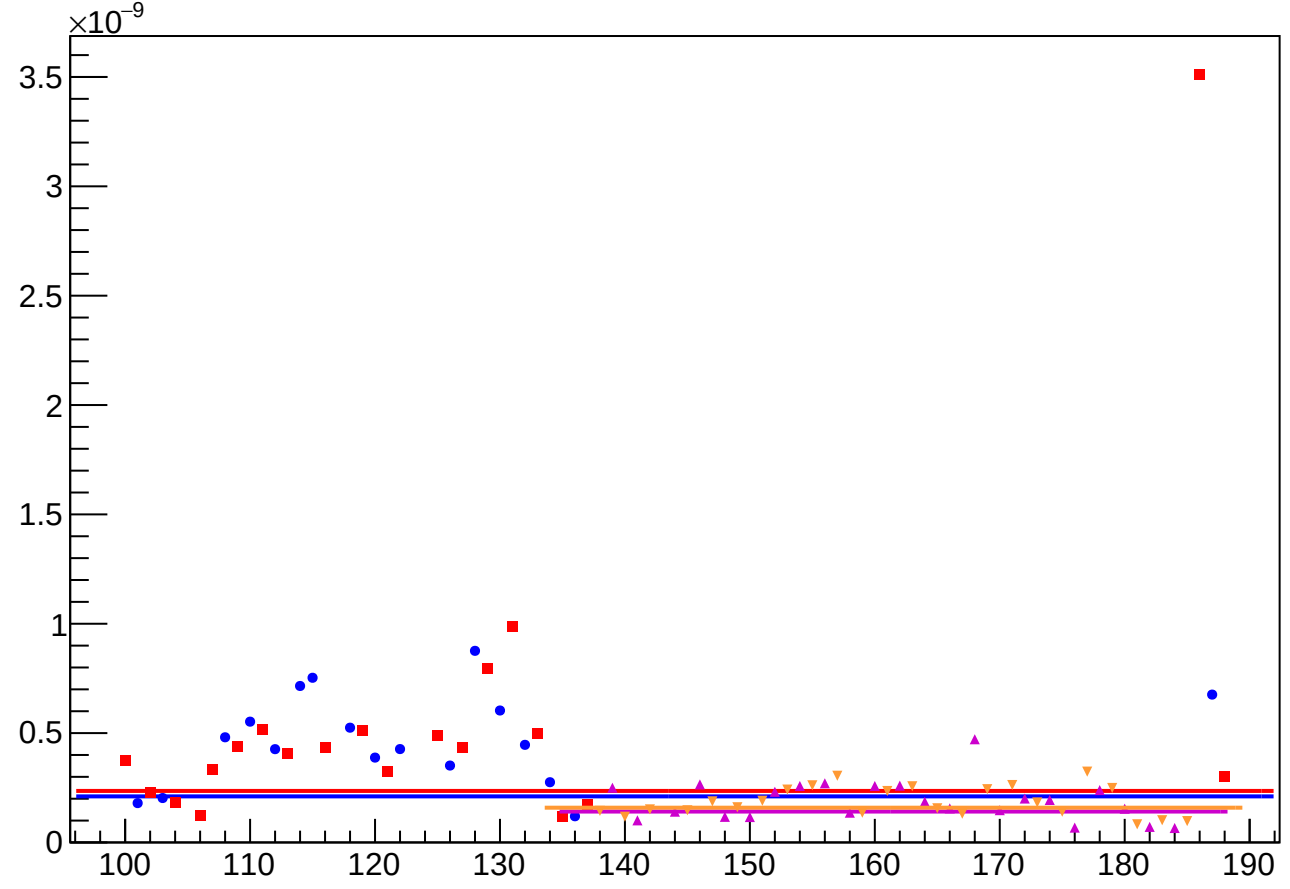
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/19

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.8/40

All: 0.000+/-0.000 χ^2/NDF: 87.8/83

- sign 0.000+/-0.000 χ^2/NDF: 47.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 1730870.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

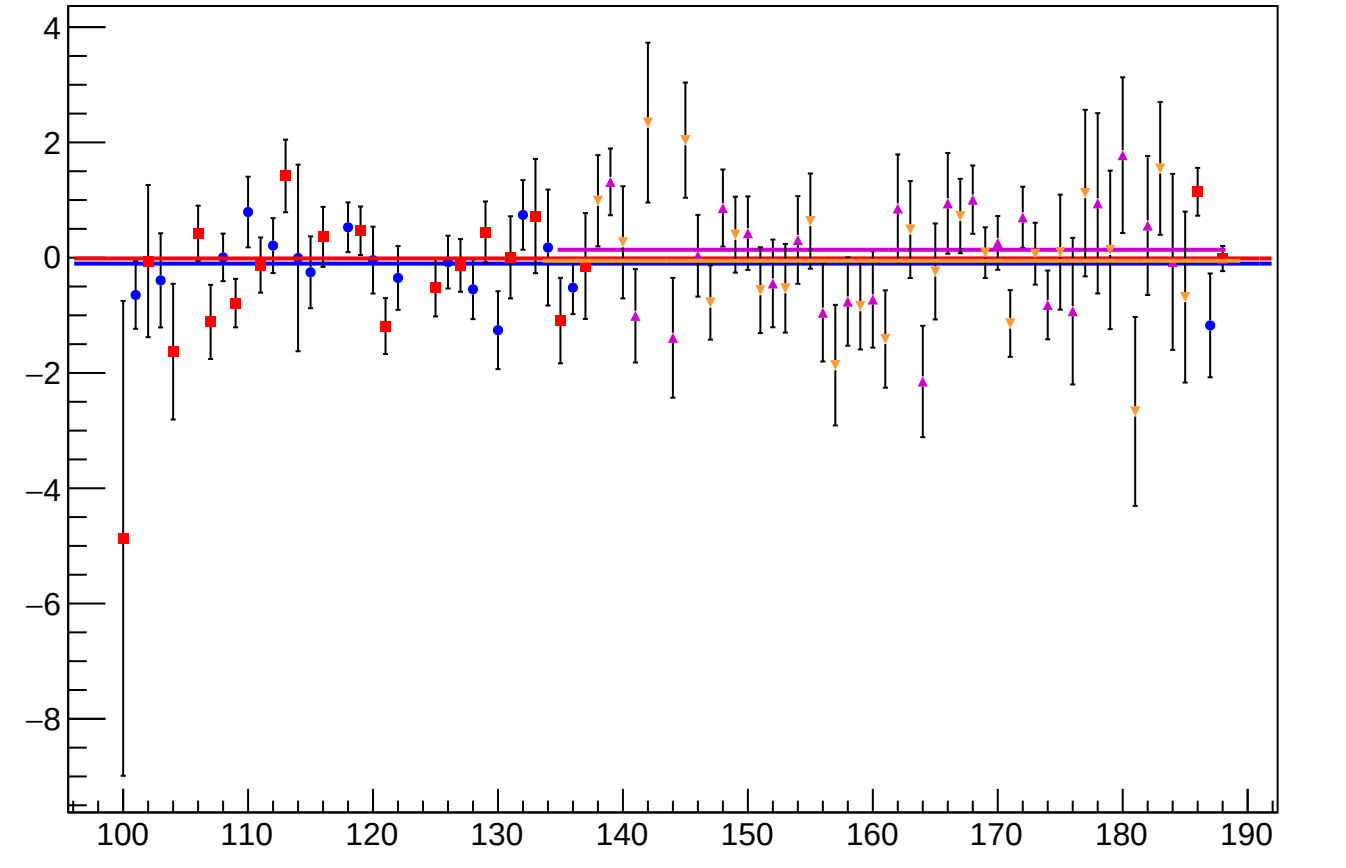
Right Out: 0.000+/-0.000 χ^2/NDF: 1969344.7/19

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3248122.4/40

All: 0.000+/-0.000 χ^2/NDF: 8334611.6/83

- sign 0.000+/-0.000 χ^2/NDF: 5029810.8/42



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

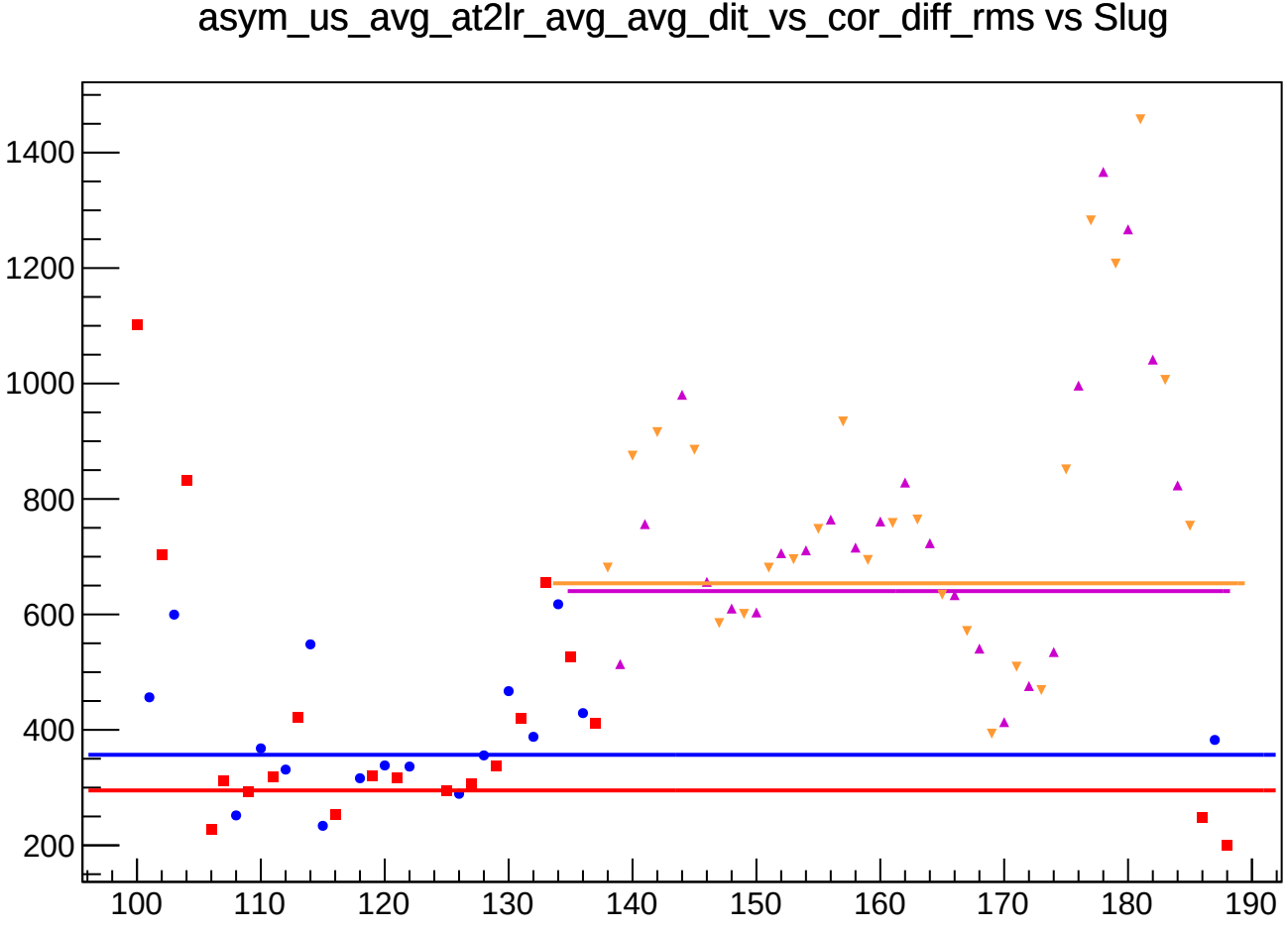
Right Out: -0.013+/-0.112 χ^2/NDF: 35.6/19

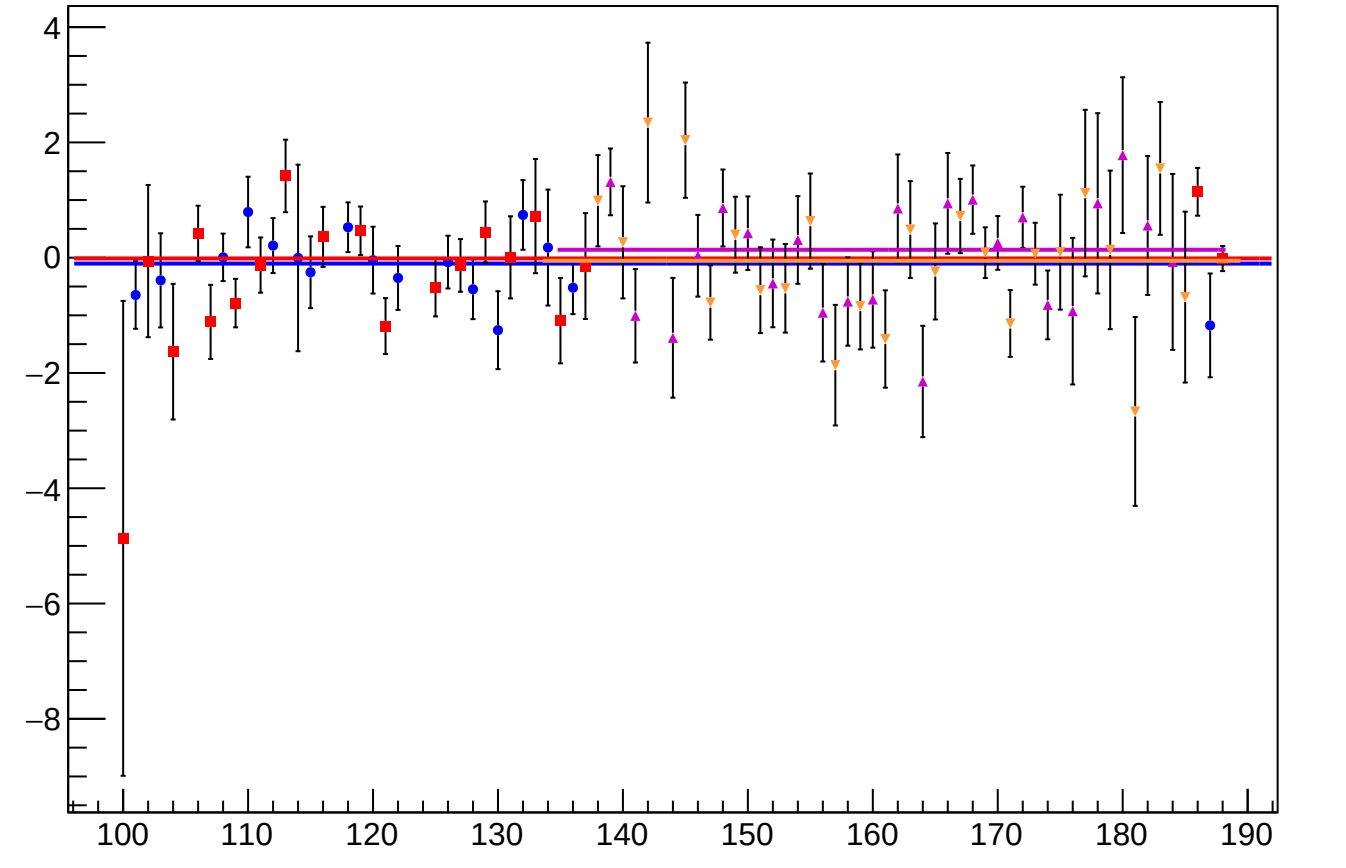
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.082+/-0.105 χ^2/NDF: 44.2/40

All: -0.014+/-0.069 χ^2/NDF: 111.1/83

- sign 0.038+/-0.091 χ^2/NDF: 66.2/42


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 356.812+/-0.098 χ²/NDF: 786785.9/16
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 295.100+/-0.079 χ²/NDF: 1807733.8/19
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 482.611+/-0.074 χ²/NDF: 7822841.5/40
All: 441.924+/-0.049 χ²/NDF: 19162839.6/83
- sign 411.030+/-0.065 χ²/NDF: 10811417.2/42



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

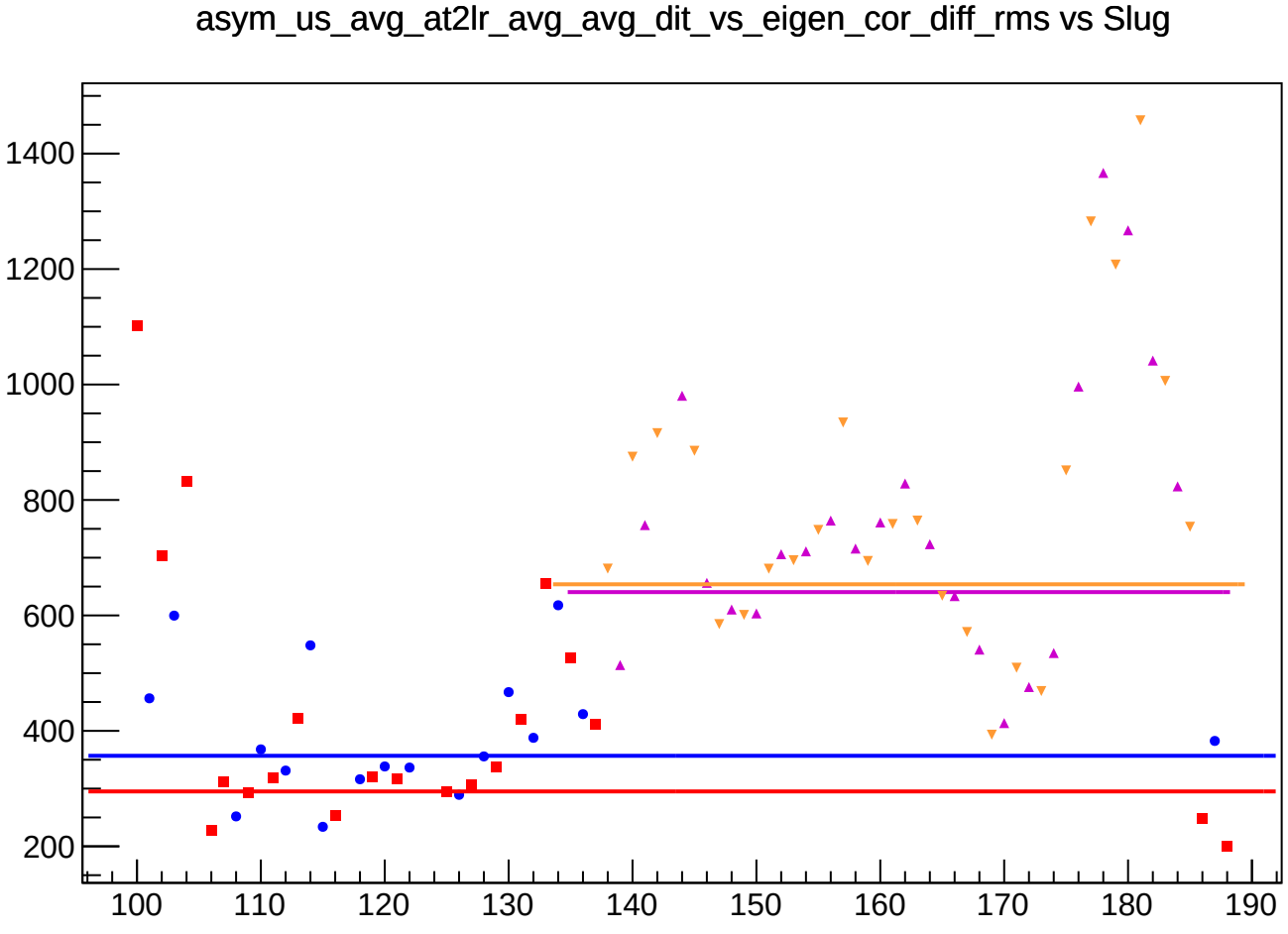
Right Out: -0.013+/-0.112 χ^2/NDF: 35.6/19

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.082+/-0.105 χ^2/NDF: 44.2/40

All: -0.014+/-0.069 χ^2/NDF: 111.1/83

- sign 0.038+/-0.091 χ^2/NDF: 66.2/42



Right In: 356.812+/-0.098 χ^2/NDF: 786785.9/16

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

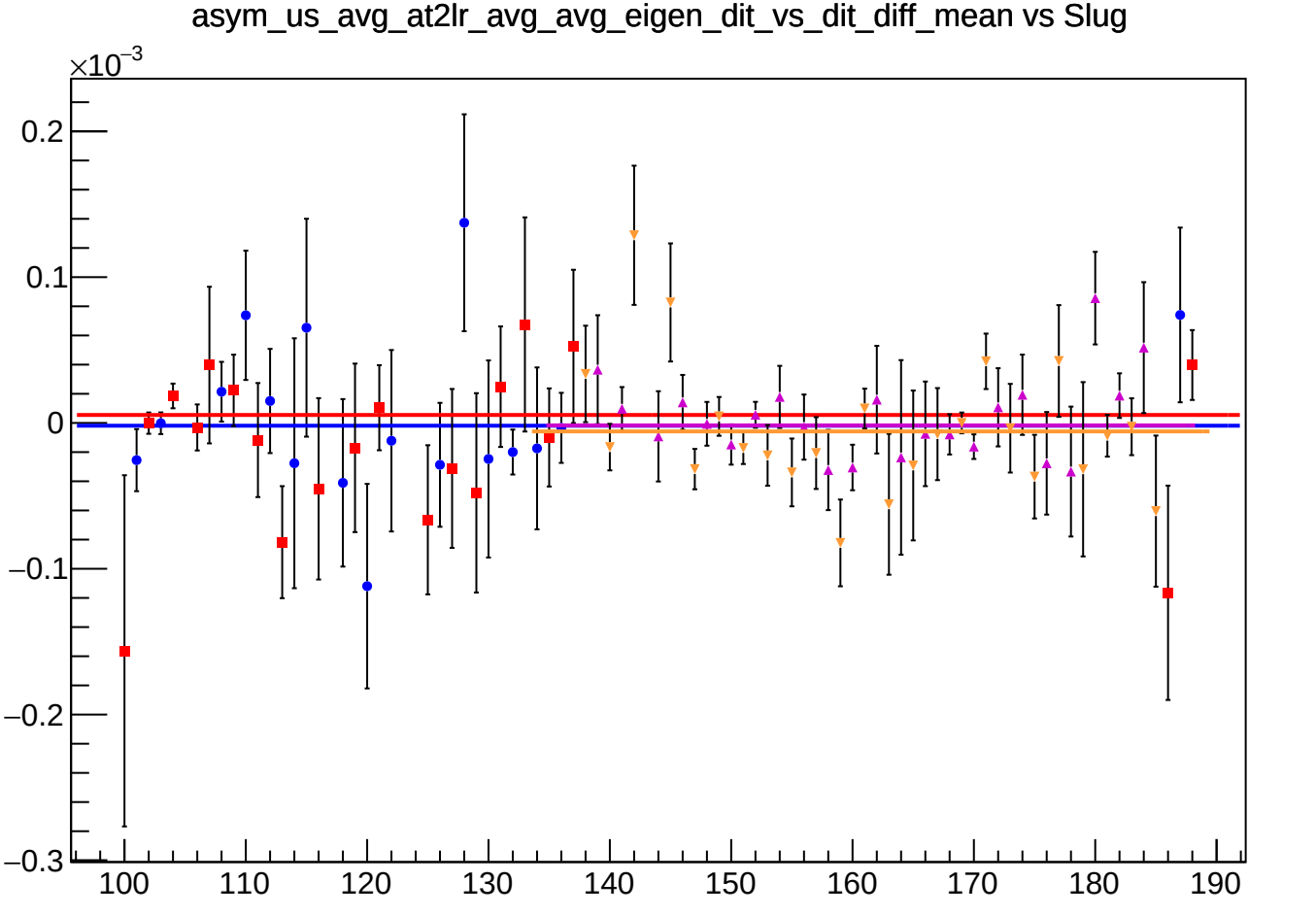
Right Out: 295.100+/-0.079 χ^2/NDF: 1807733.8/19

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 482.611+/-0.074 χ^2/NDF: 7822841.5/40

All: 441.924+/-0.049 χ^2/NDF: 19162839.6/83

- sign 411.030+/-0.065 χ^2/NDF: 10811417.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

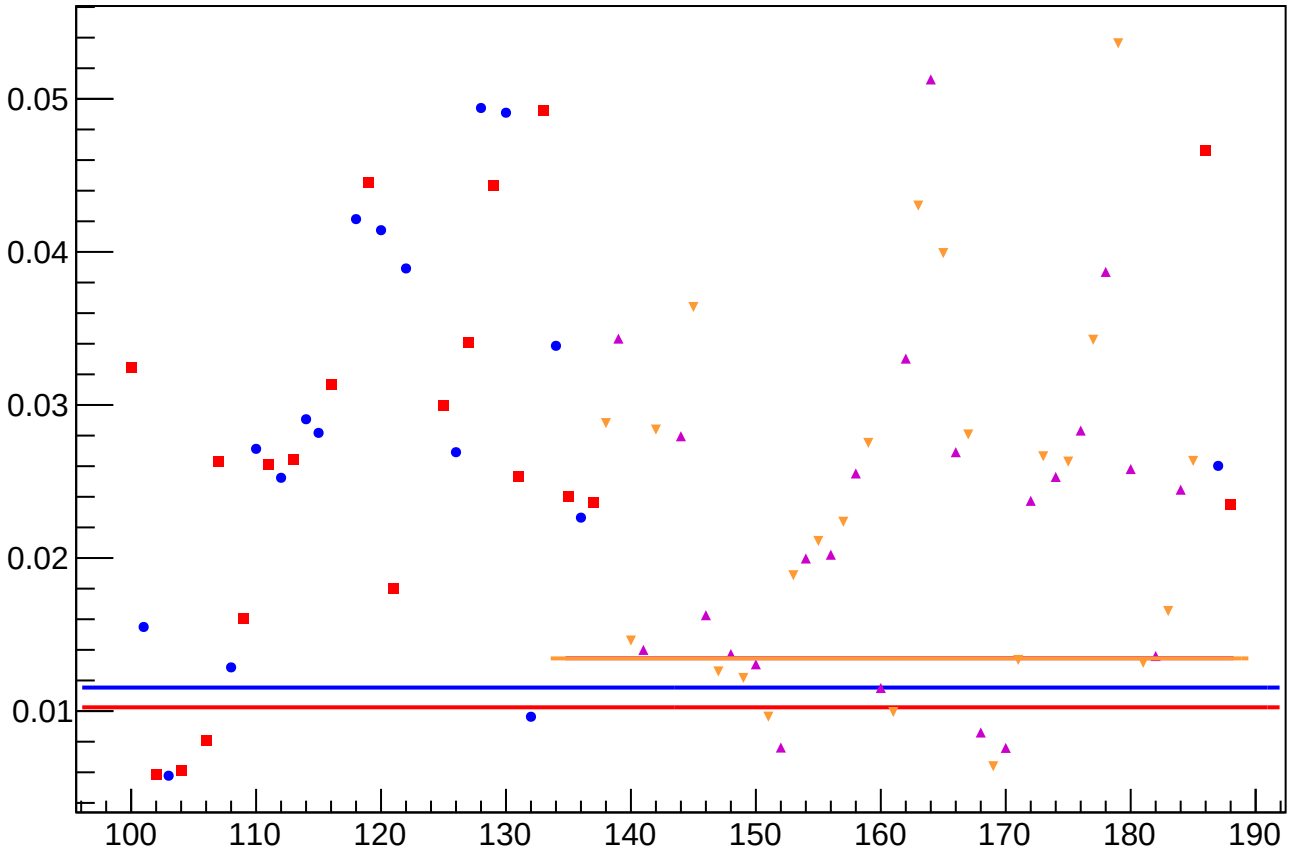
Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/19

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.6/40

All: -0.000+/-0.000 χ^2/NDF: 110.4/83

- sign 0.000+/-0.000 χ^2/NDF: 49.0/42



Right In: 0.012+/-0.000 χ^2/NDF: 5618557.7/16

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

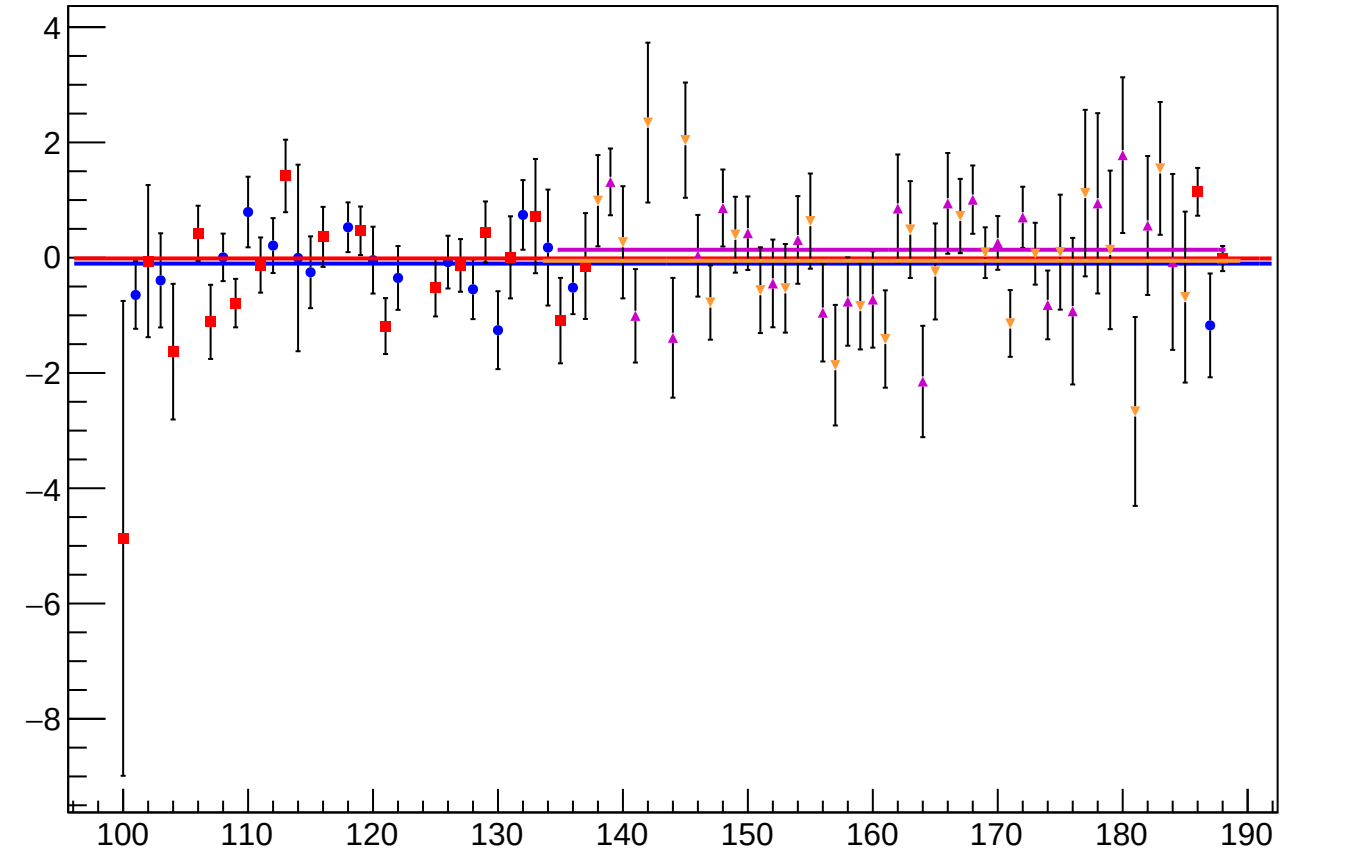
Right Out: 0.010+/-0.000 χ^2/NDF: 6928228.8/19

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.013+/-0.000 χ^2/NDF: 14637995.2/40

All: 0.013+/-0.000 χ^2/NDF: 29746870.4/83

- sign 0.012+/-0.000 χ^2/NDF: 15060107.6/42



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

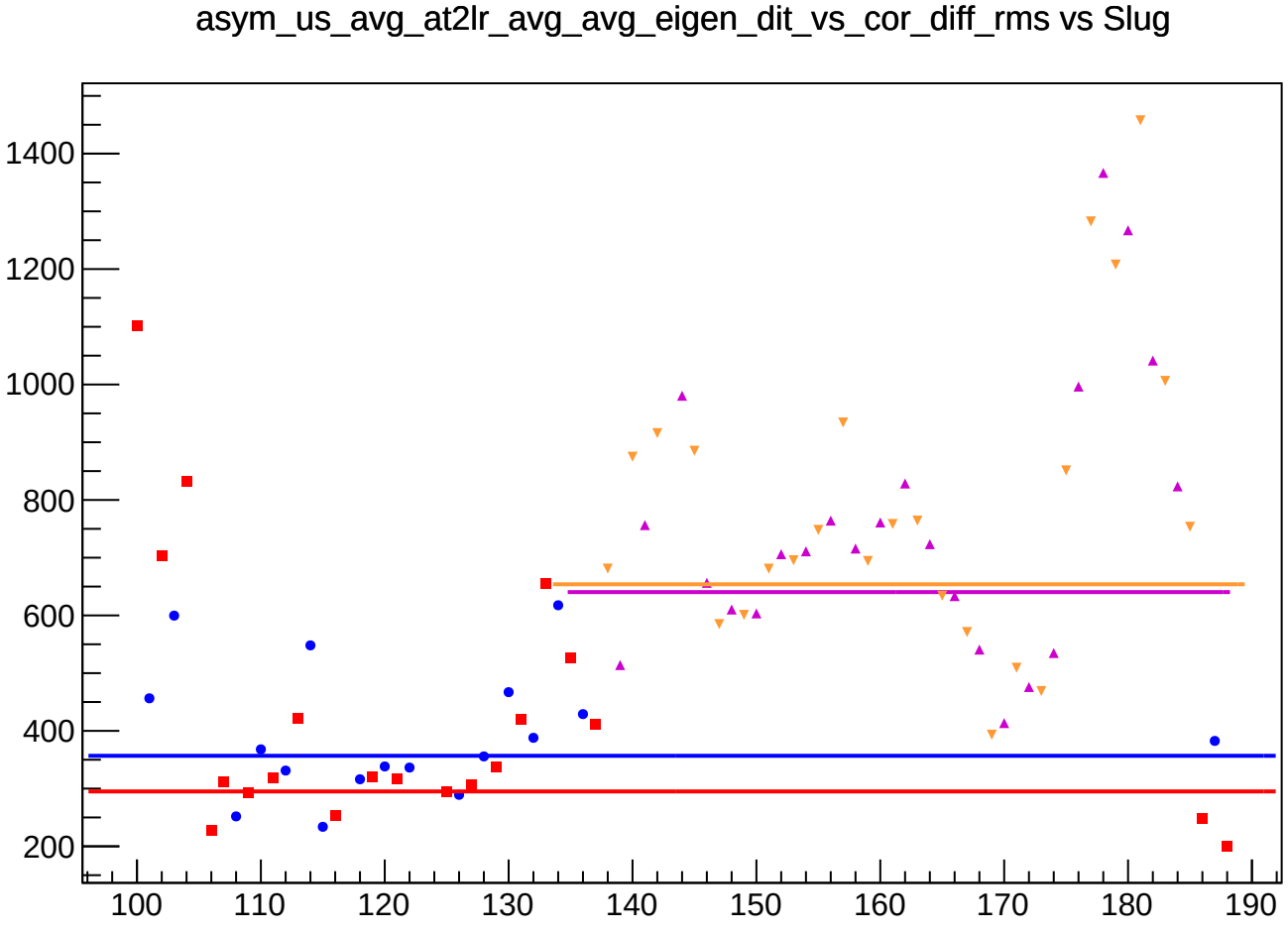
Right Out: -0.013+/-0.112 χ^2/NDF: 35.6/19

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.082+/-0.105 χ^2/NDF: 44.2/40

All: -0.014+/-0.069 χ^2/NDF: 111.1/83

- sign 0.038+/-0.091 χ^2/NDF: 66.2/42


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1400
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150
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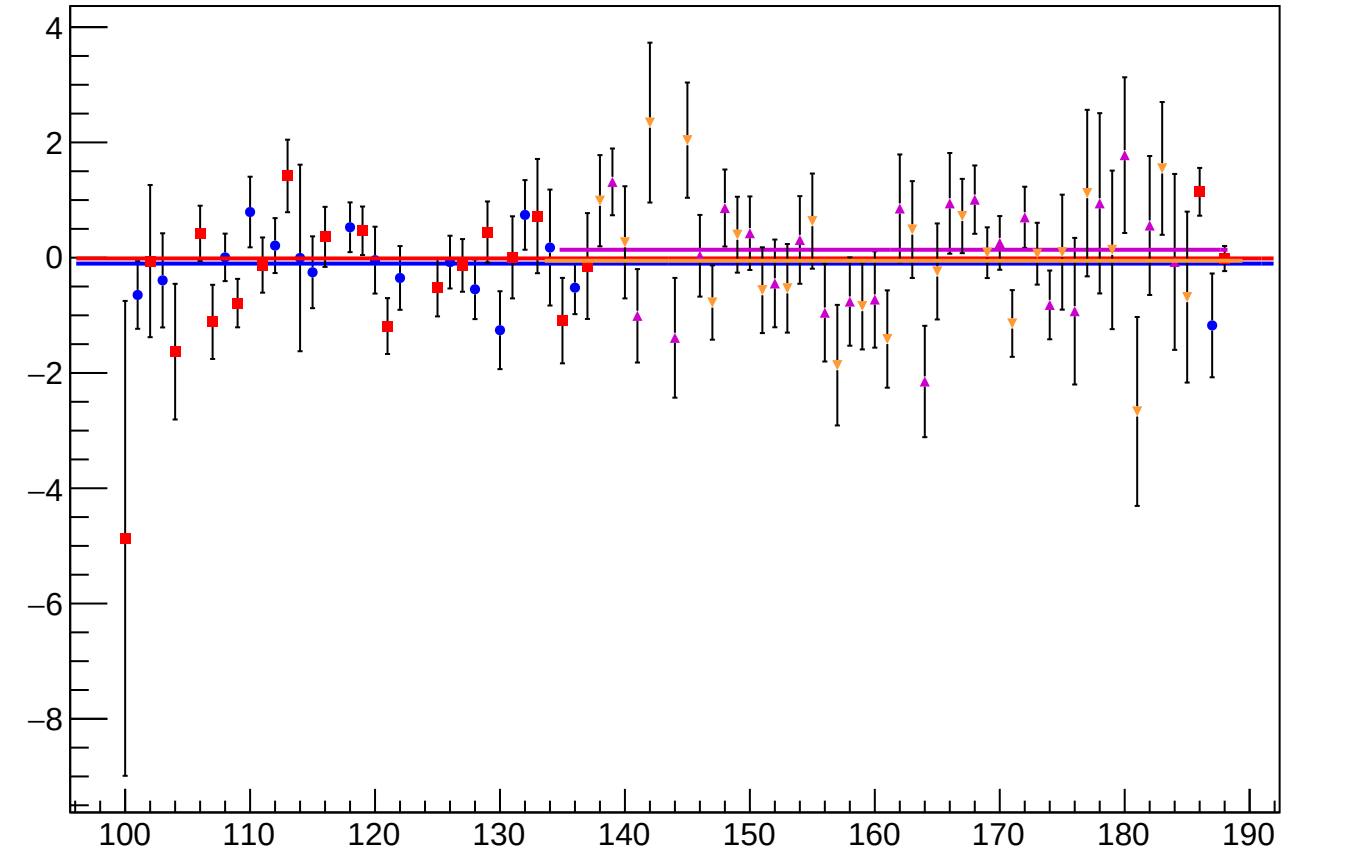
170
180
190
Right In: 356.811+/-0.098 χ²/NDF: 786752.6/16
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 295.093+/-0.079 χ²/NDF: 1807829.5/19
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 482.609+/-0.074 χ²/NDF: 7823069.5/40
All: 441.919+/-0.049 χ²/NDF: 19163822.7/83
- sign 411.022+/-0.065 χ²/NDF: 10812072.0/42



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

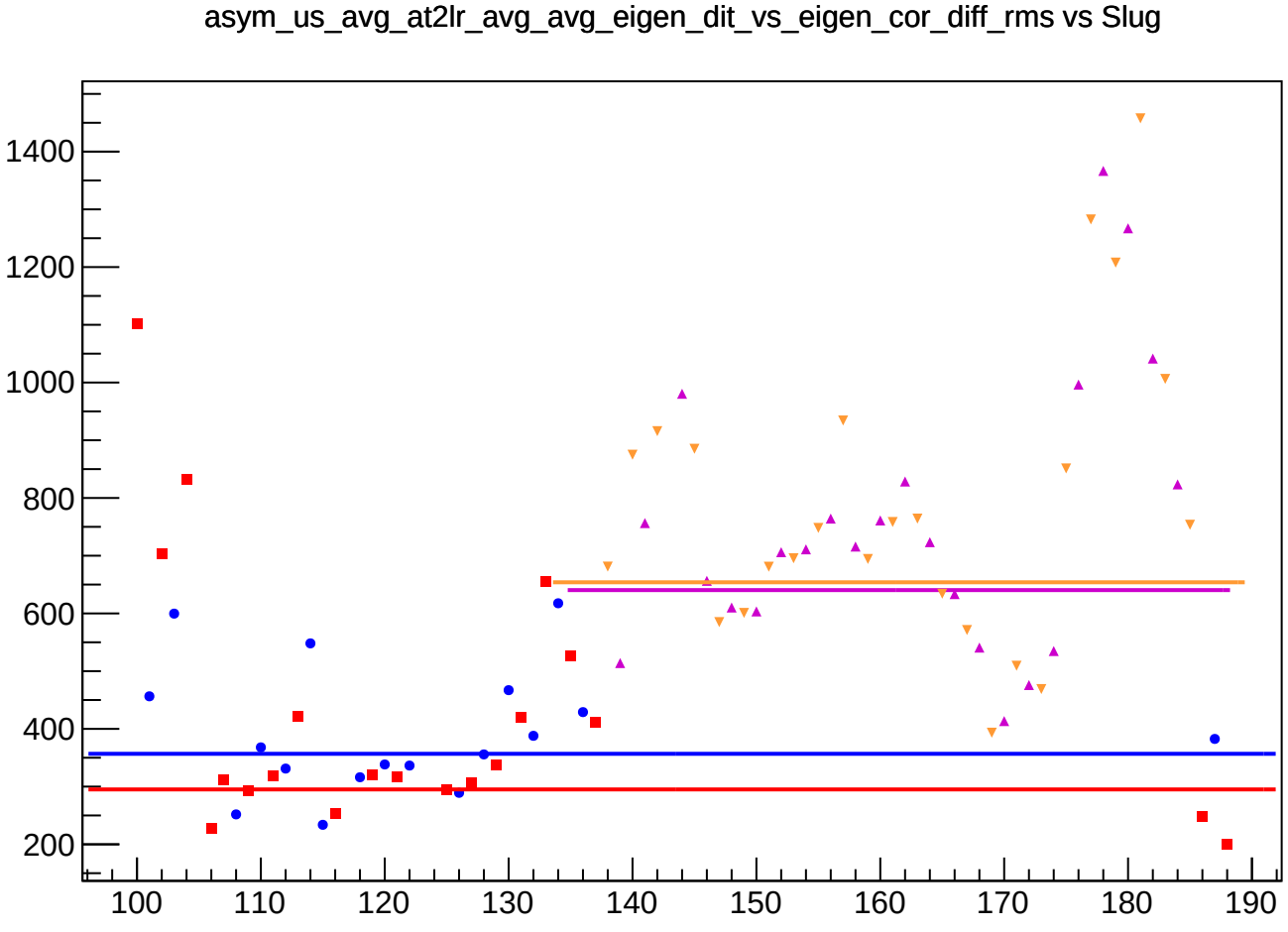
Right Out: -0.013+/-0.112 χ^2/NDF: 35.6/19

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.082+/-0.105 χ^2/NDF: 44.2/40

All: -0.014+/-0.069 χ^2/NDF: 111.1/83

- sign 0.038+/-0.091 χ^2/NDF: 66.2/42


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
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170
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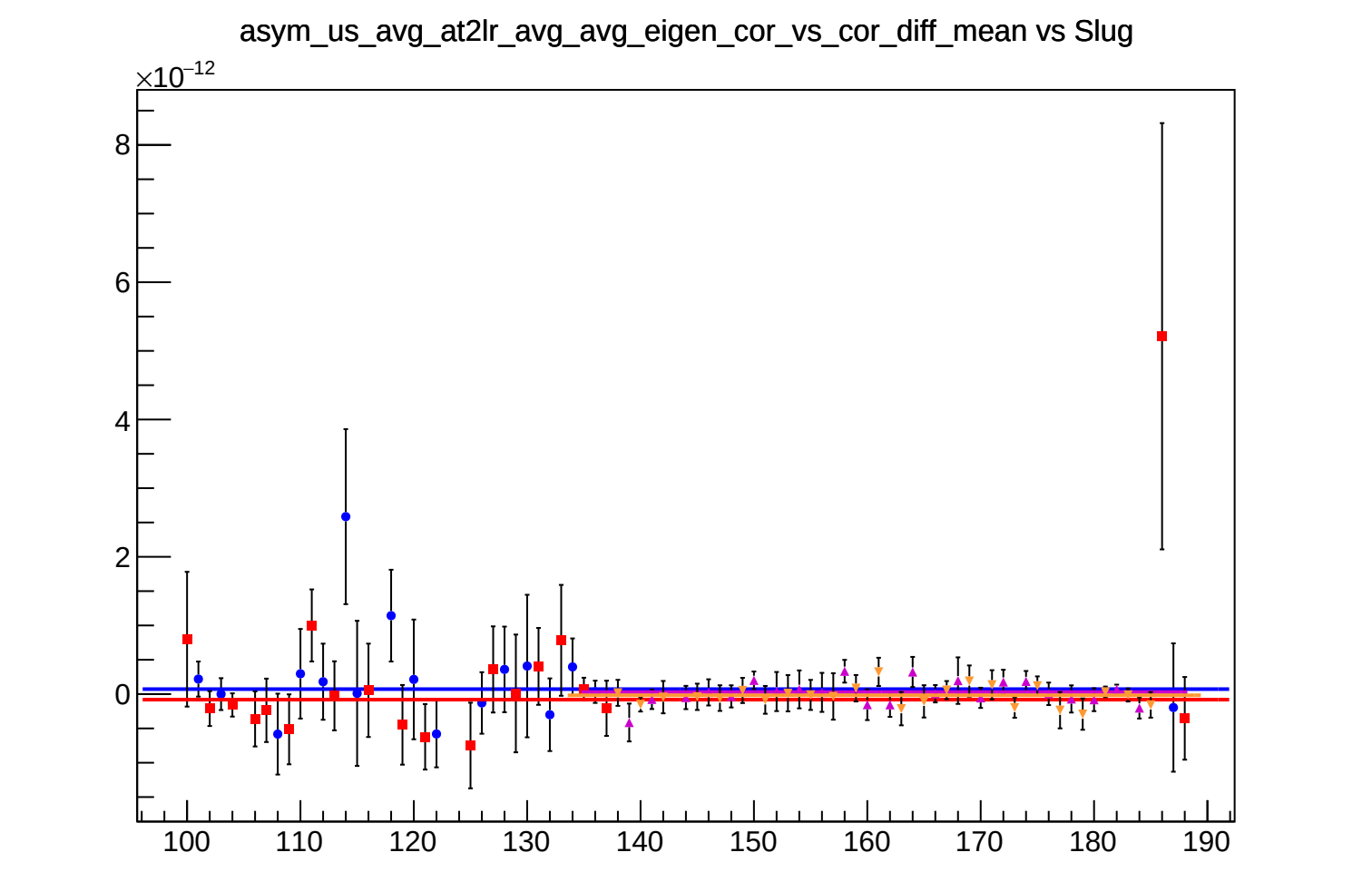
190
Right In: 356.811+/-0.098 χ²/NDF: 786752.6/16
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 295.093+/-0.079 χ²/NDF: 1807829.5/19
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 482.609+/-0.074 χ²/NDF: 7823069.5/40
All: 441.919+/-0.049 χ²/NDF: 19163822.7/83
- sign 411.022+/-0.065 χ²/NDF: 10812072.0/42


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
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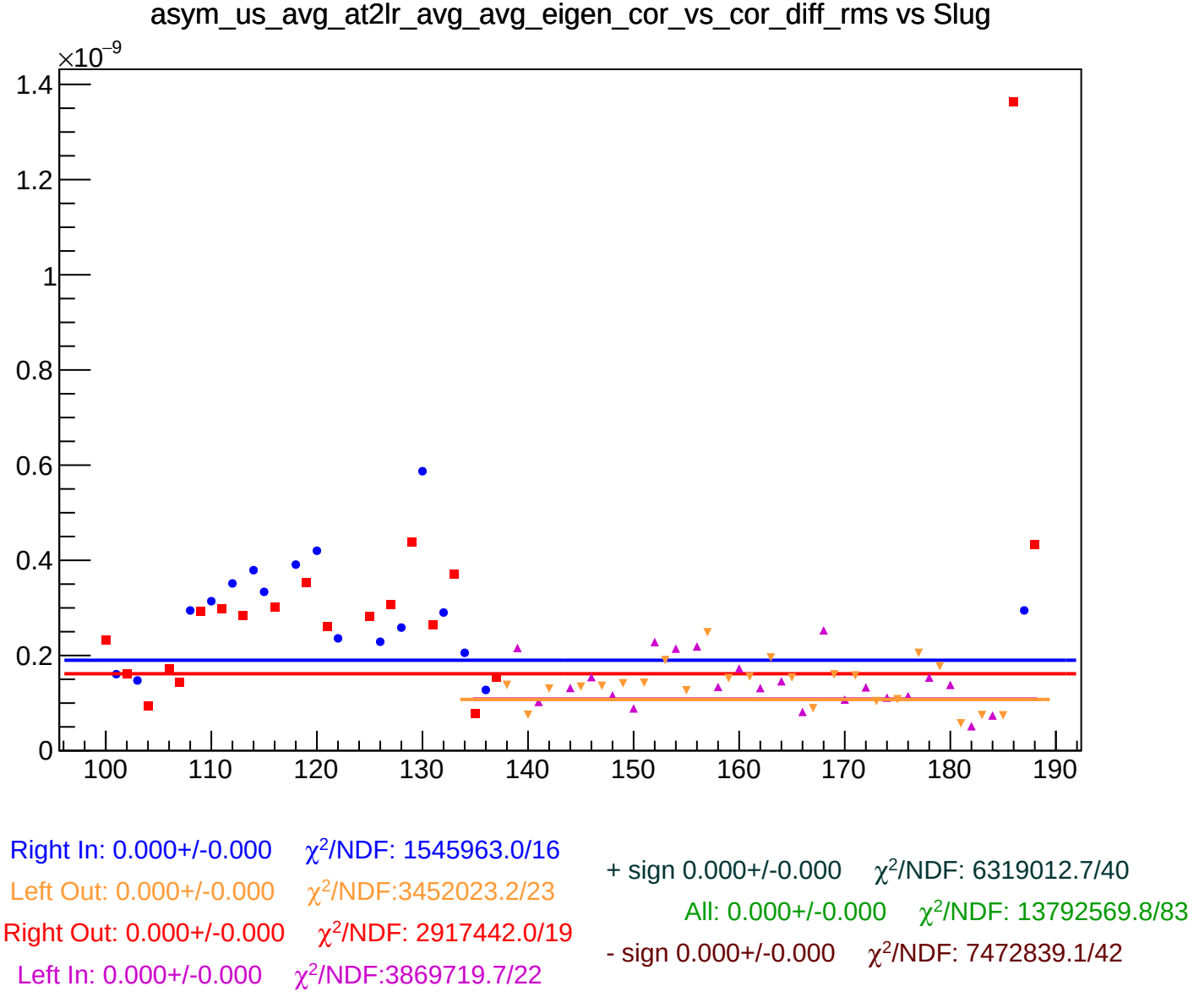
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 11.9/16
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/19
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign -0.000+/-0.000 χ²/NDF: 25.7/40
All: 0.000+/-0.000 χ²/NDF: 61.5/83
- sign 0.000+/-0.000 χ²/NDF: 35.5/42


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
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100
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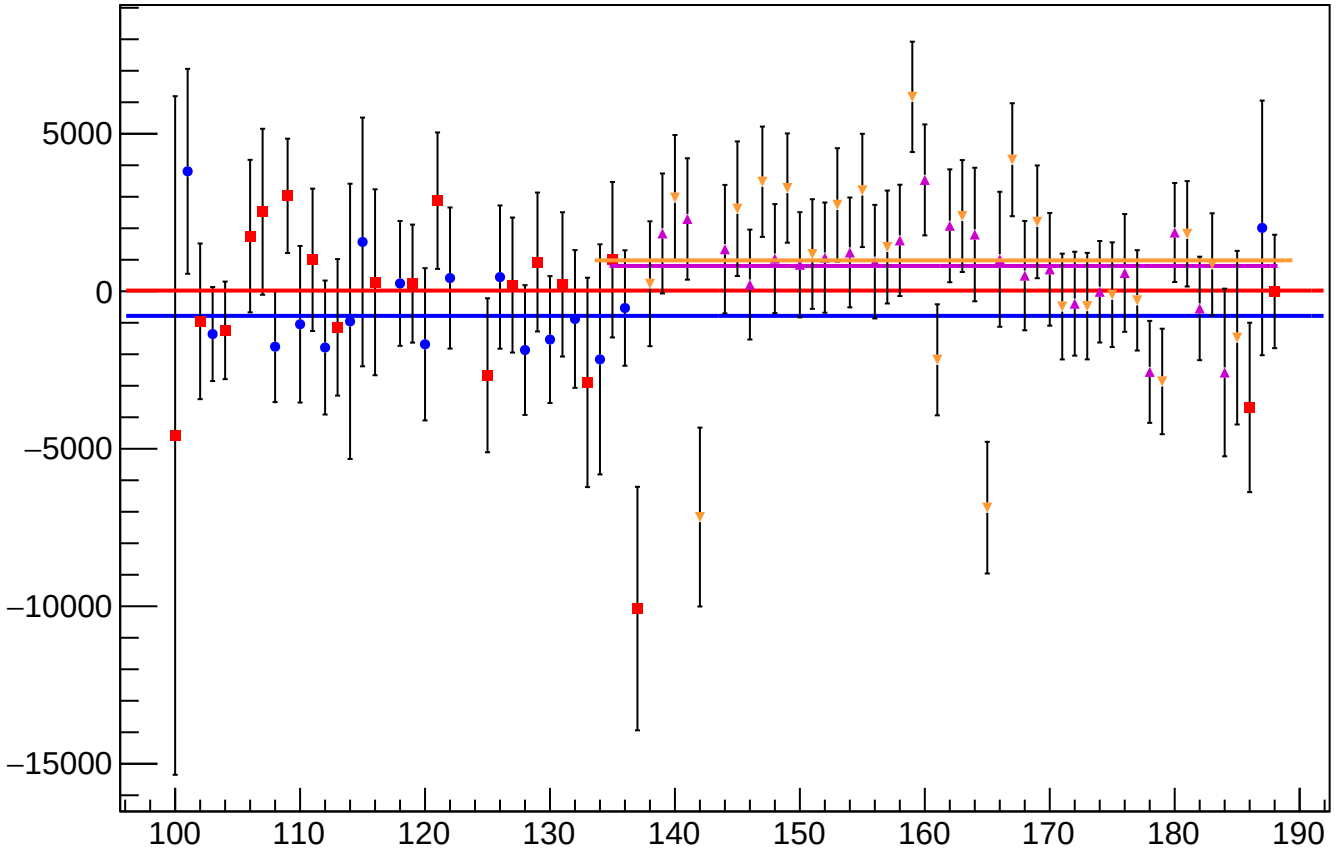
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1545963.0/16
Left Out: 0.000+/-0.000 χ²/NDF:3452023.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 2917442.0/19
Left In: 0.000+/-0.000 χ²/NDF:3869719.7/22
+ sign 0.000+/-0.000 χ²/NDF: 6319012.7/40
All: 0.000+/-0.000 χ²/NDF: 13792569.8/83
- sign 0.000+/-0.000 χ²/NDF: 7472839.1/42

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -780.866+/-549.679 χ^2/NDF: 5.1/16

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 21.785+/-514.415 χ^2/NDF: 18.4/19

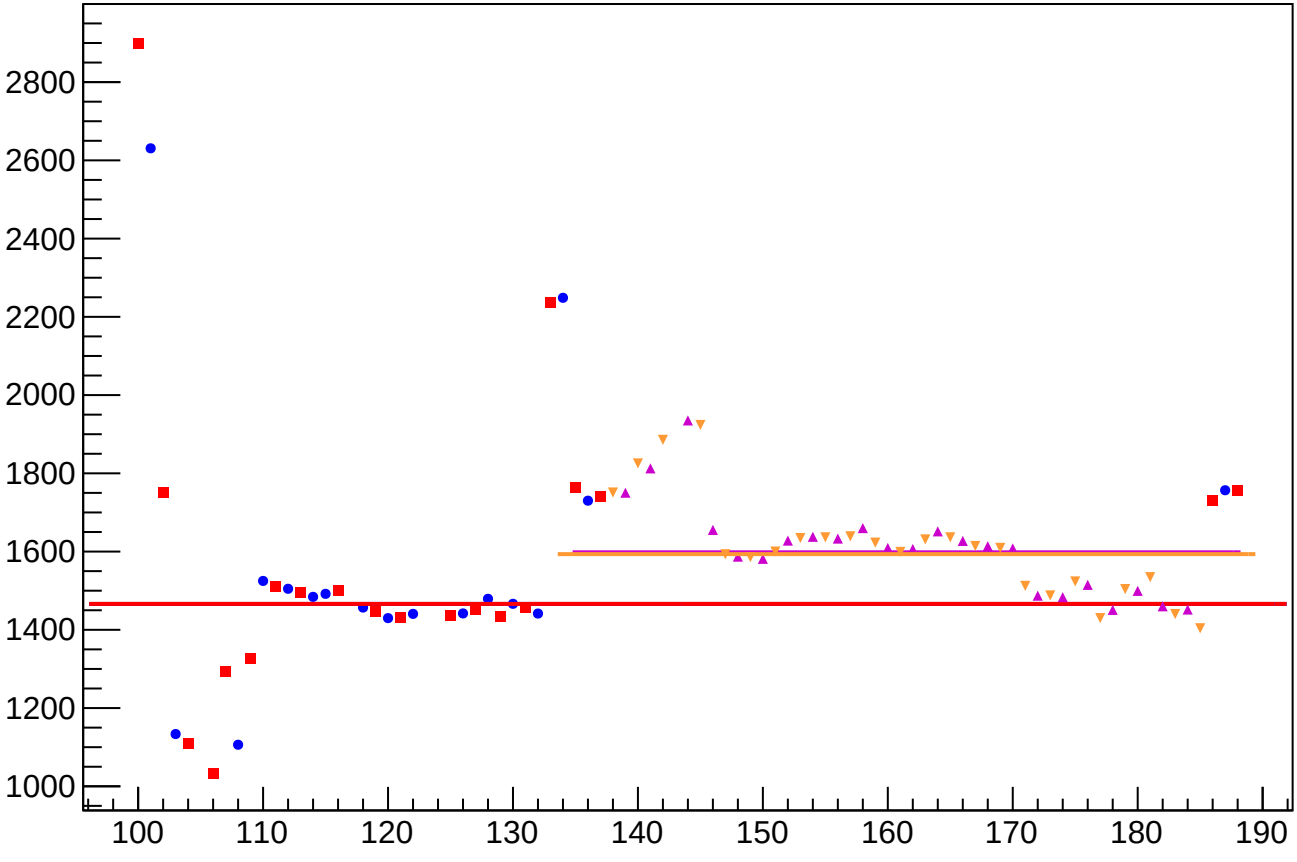
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 430.338+/-307.422 χ^2/NDF: 67.7/40

All: 482.688+/-215.632 χ^2/NDF: 100.1/83

\- sign 533.387+/-302.536 χ^2/NDF: 32.4/42

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1466.129+/-0.389 χ^2/NDF: 586271.1/16

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

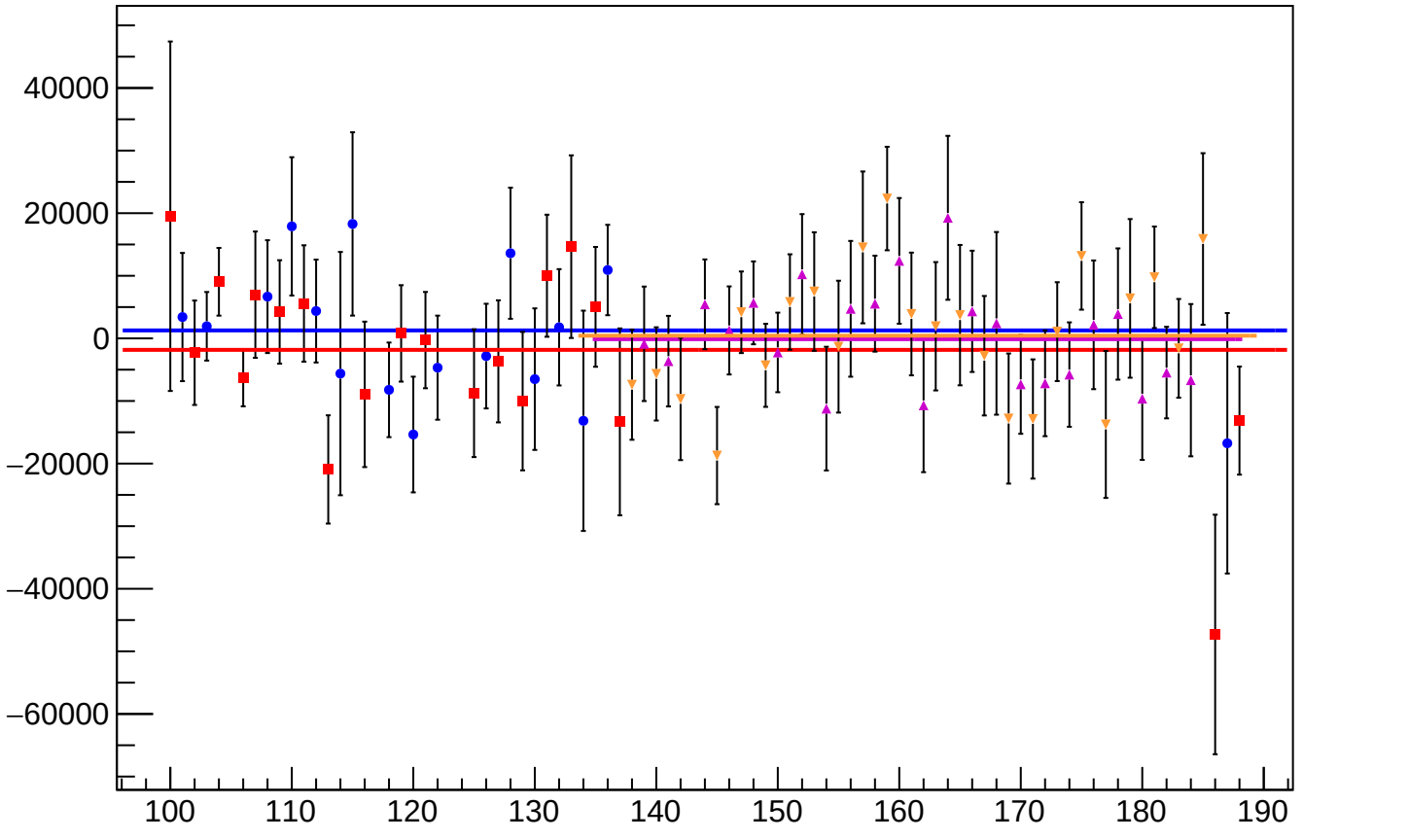
Right Out: 1466.240+/-0.361 χ^2/NDF: 492041.3/19

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1553.647+/-0.217 χ^2/NDF: 847661.3/40

All: 1552.866+/-0.152 χ^2/NDF: 1595605.0/83

- sign 1552.114+/-0.213 χ^2/NDF: 747918.4/42



Right In: 1273.214+/-2254.673 χ^2/NDF: 14.9/16

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

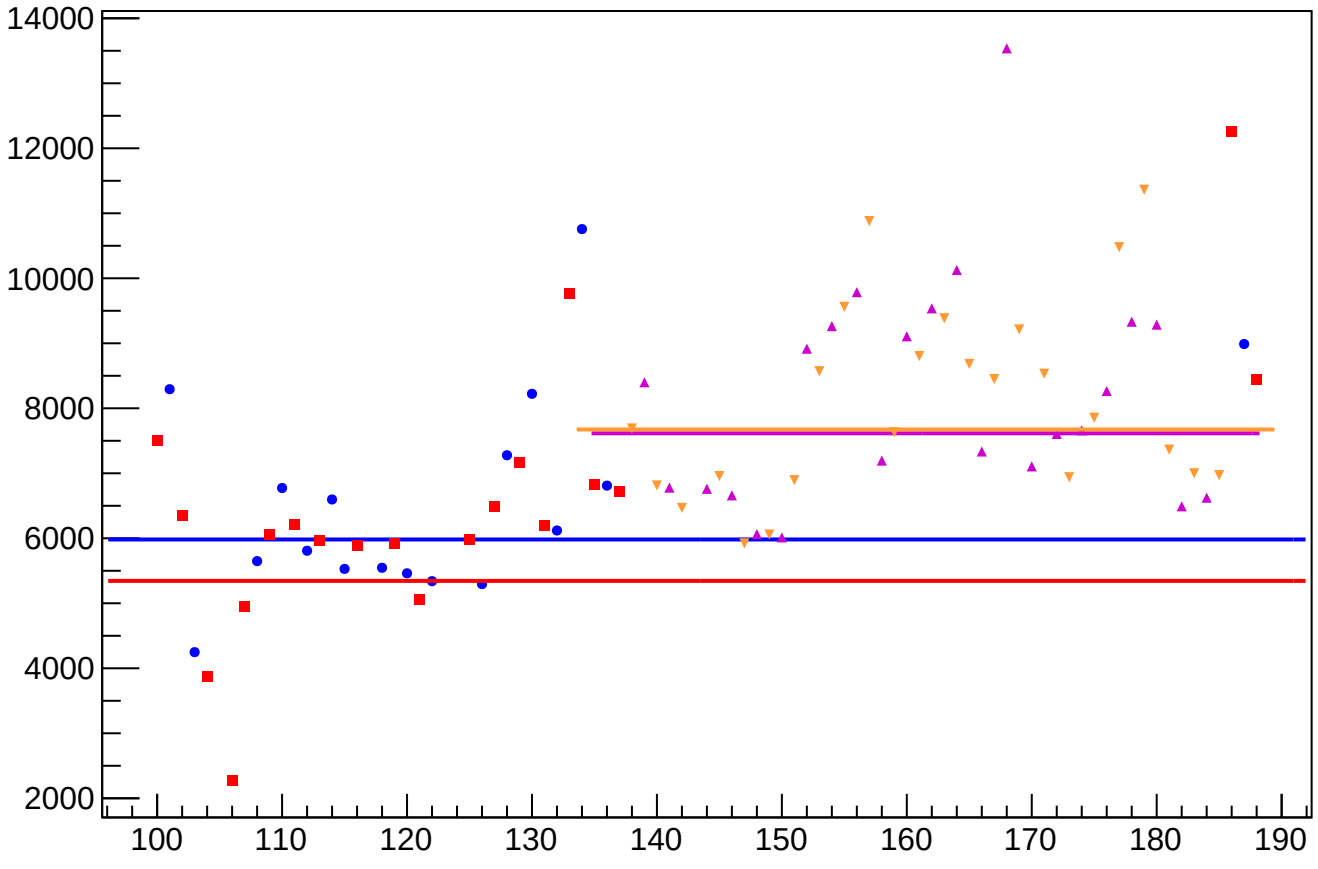
Right Out: -1836.401+/-1948.873 χ^2/NDF: 25.2/19

Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 760.643+/-1416.128 χ^2/NDF: 44.4/40

All: -133.807+/-968.750 χ^2/NDF: 84.6/83

- sign -920.560+/-1328.140 χ^2/NDF: 39.5/42



Right In: 5981.804+/-1.594 χ^2/NDF: 683390.2/16

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5344.288+/-1.378 χ^2/NDF: 2029265.8/19

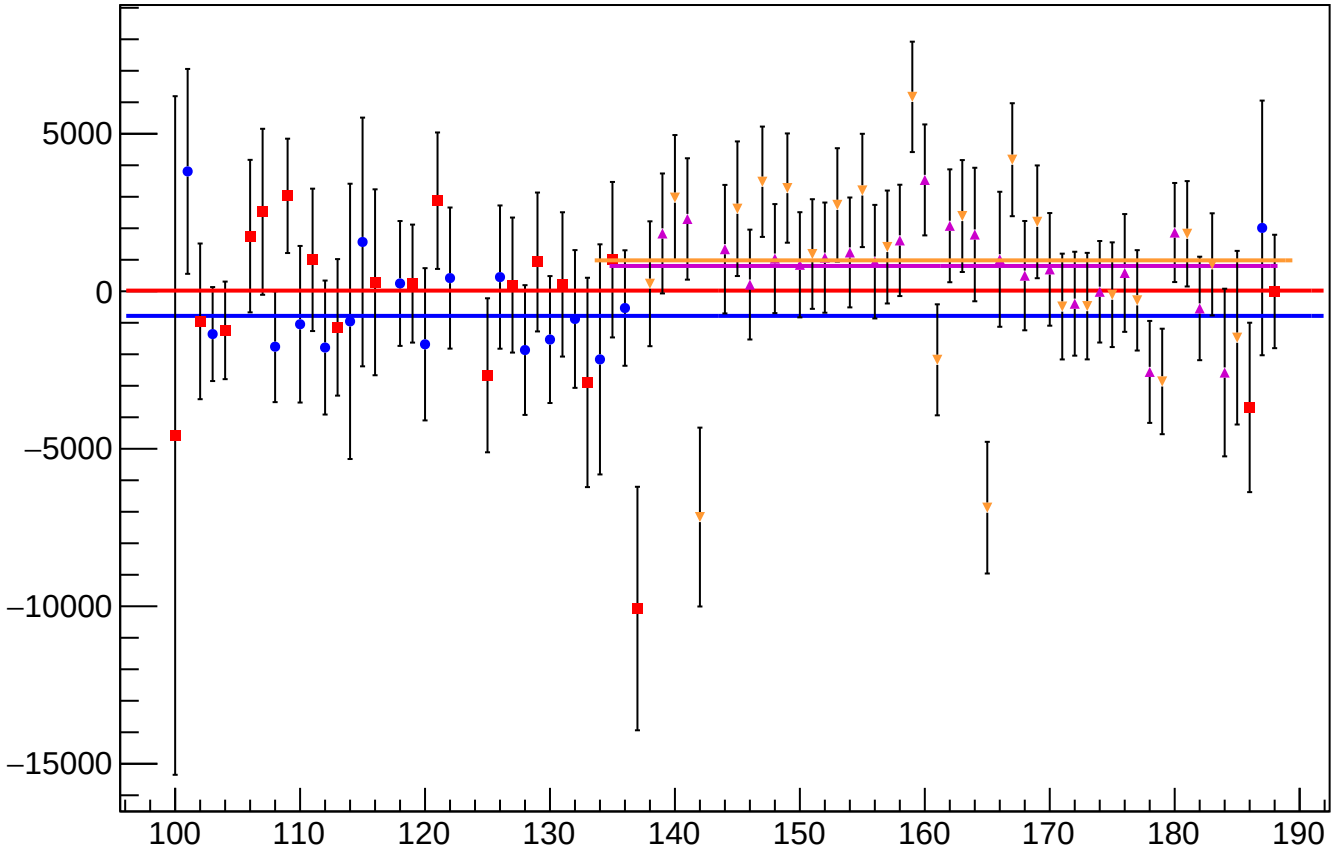
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7006.480+/-1.001 χ^2/NDF: 2442309.0/40

All: 6769.151+/-0.685 χ^2/NDF: 7255772.9/83

- sign 6560.398+/-0.939 χ^2/NDF: 4707881.8/42

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -780.934+/-549.679 χ^2/NDF: 5.1/16

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 21.645+/-514.415 χ^2/NDF: 18.4/19

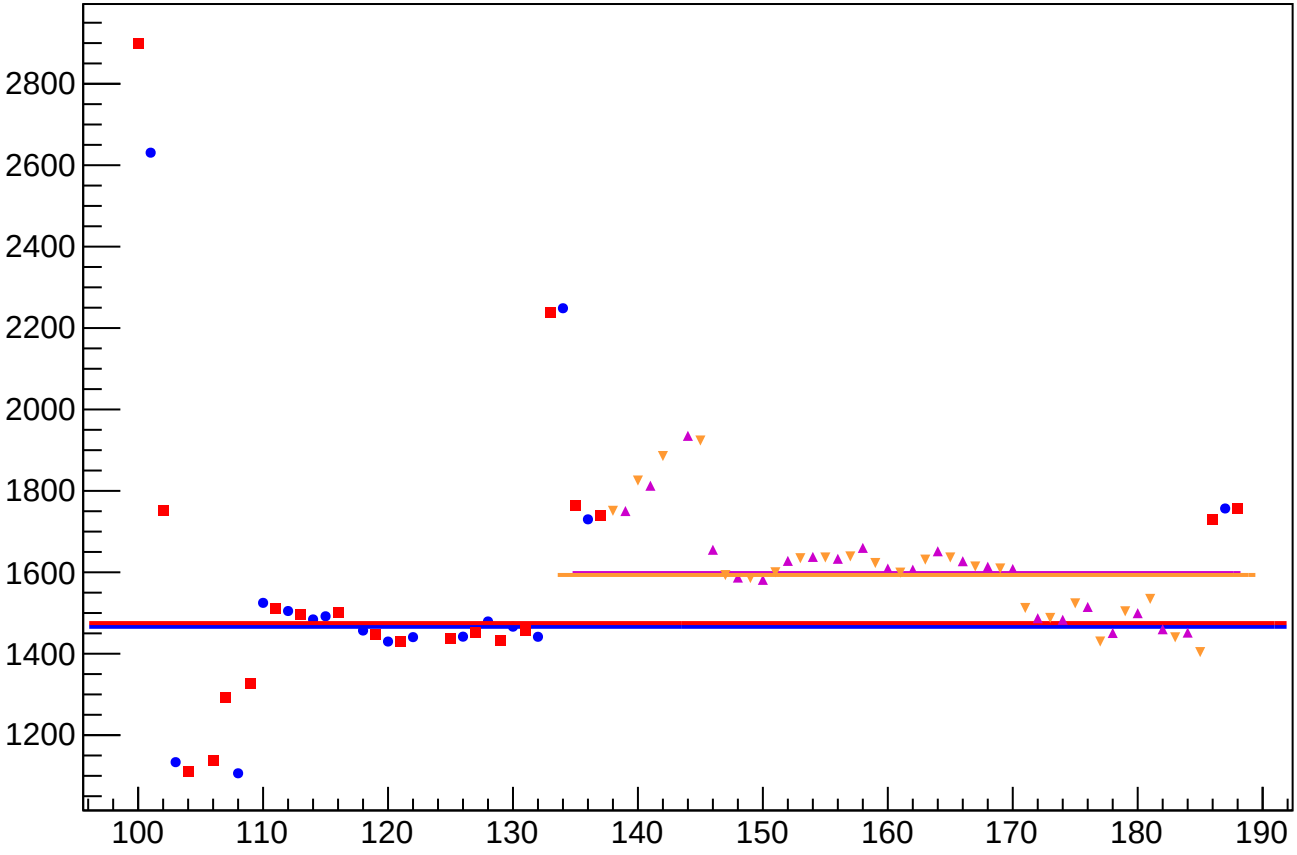
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 430.375+/-307.422 χ^2/NDF: 67.7/40

All: 482.640+/-215.632 χ^2/NDF: 100.2/83

\- sign 533.257+/-302.536 χ^2/NDF: 32.4/42

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1466.129+/-0.389 χ^2/NDF: 586271.4/16

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

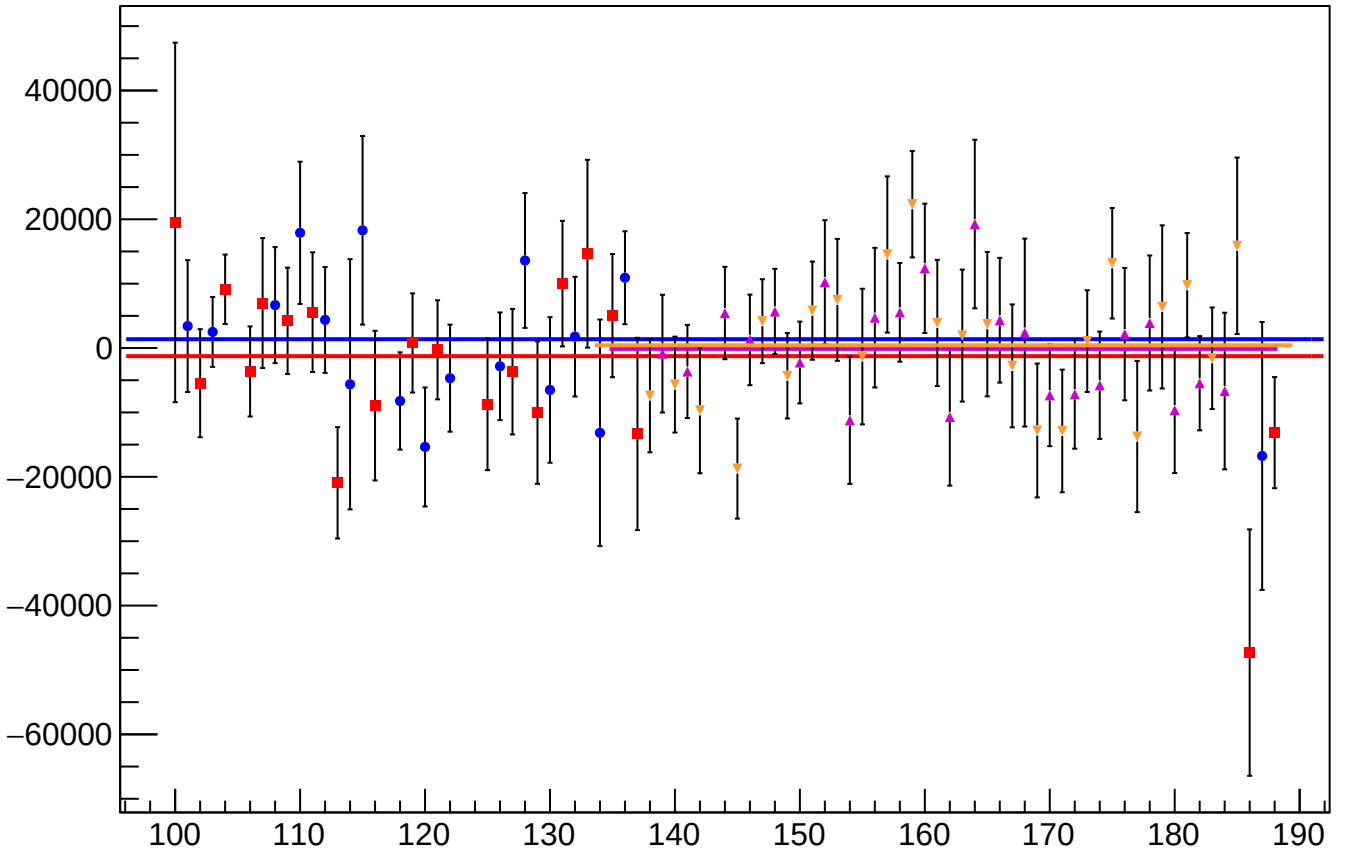
Right Out: 1475.245+/-0.363 χ^2/NDF: 449169.7/19

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1553.647+/-0.217 χ^2/NDF: 847661.7/40

All: 1554.593+/-0.152 χ^2/NDF: 1540864.1/83

- sign 1555.507+/-0.214 χ^2/NDF: 693165.2/42



Right In: 1373.954+/-2250.971 χ^2/NDF: 15.0/16

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

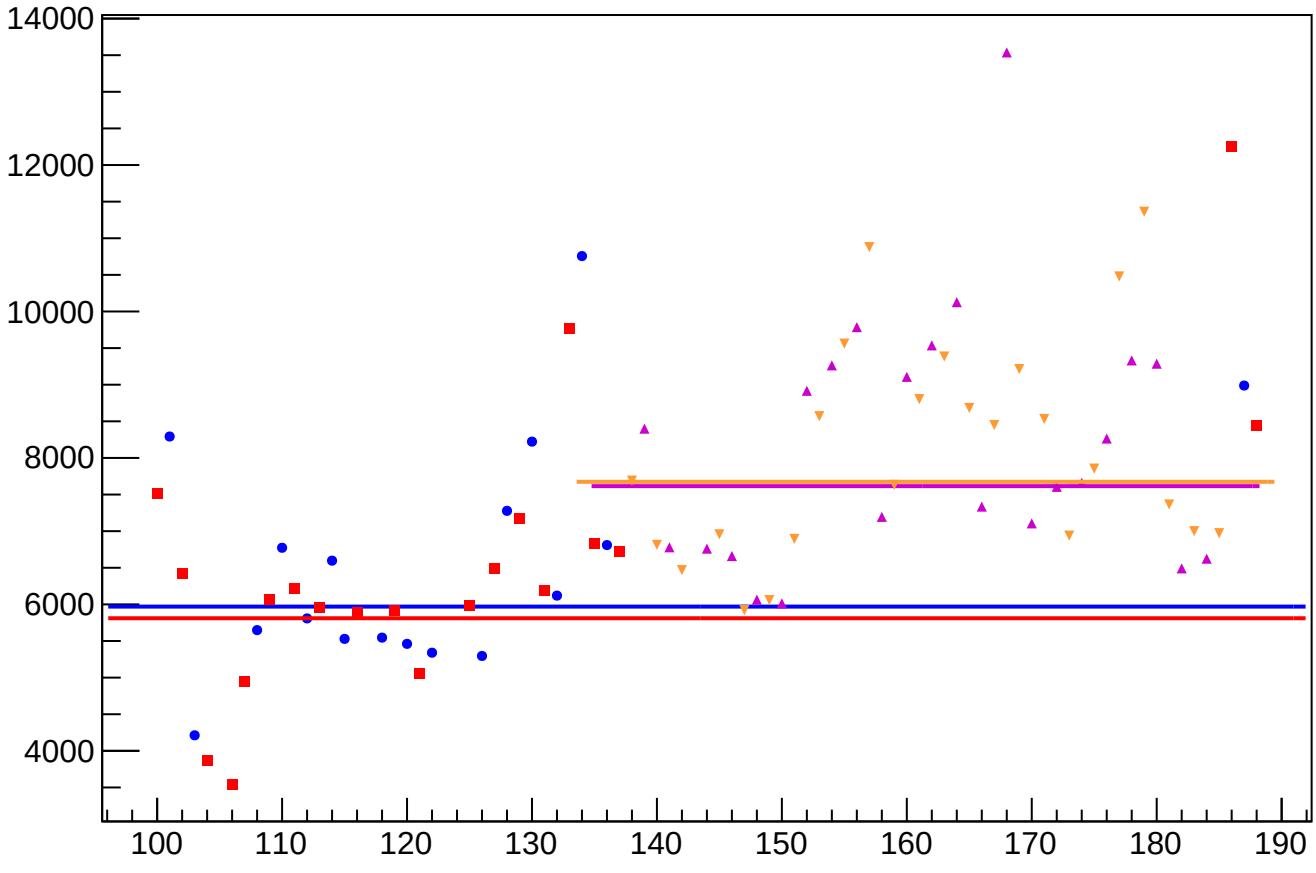
Right Out: -1257.072+/-2058.723 χ^2/NDF: 24.5/19

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 801.129+/-1415.209 χ^2/NDF: 44.5/40

All: 62.603+/-981.120 χ^2/NDF: 83.5/83

- sign -620.811+/-1361.382 χ^2/NDF: 38.5/42



Right In: 5969.956+/-1.592 χ^2/NDF: 695674.4/16

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

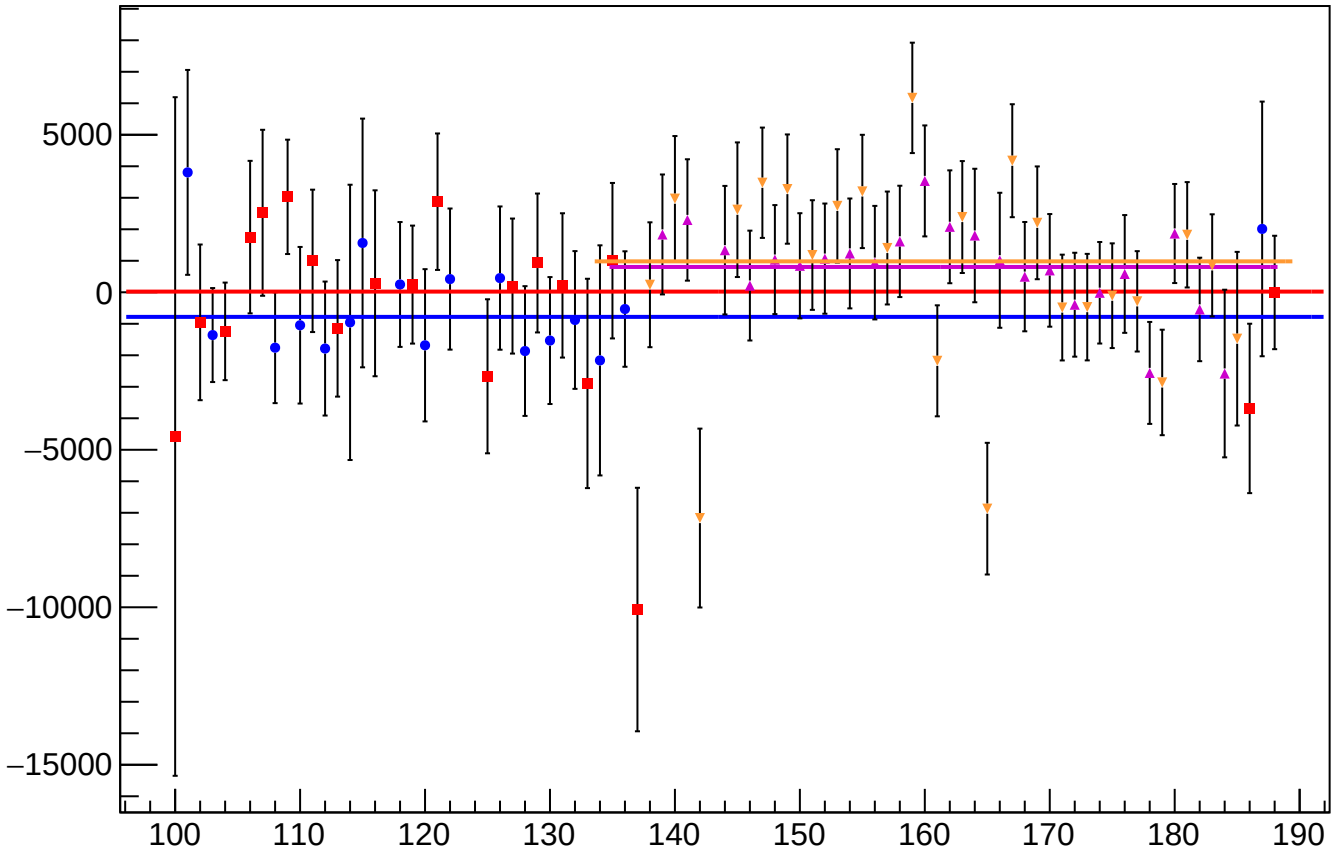
Right Out: 5810.712+/-1.456 χ^2/NDF: 1162956.9/19

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7000.468+/-1.001 χ^2/NDF: 2465557.9/40

All: 6909.849+/-0.694 χ^2/NDF: 5733234.4/83

- sign 6825.993+/-0.963 χ^2/NDF: 3251887.9/42



Right In: -780.934+/-549.679 χ^2/NDF: 5.1/16

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

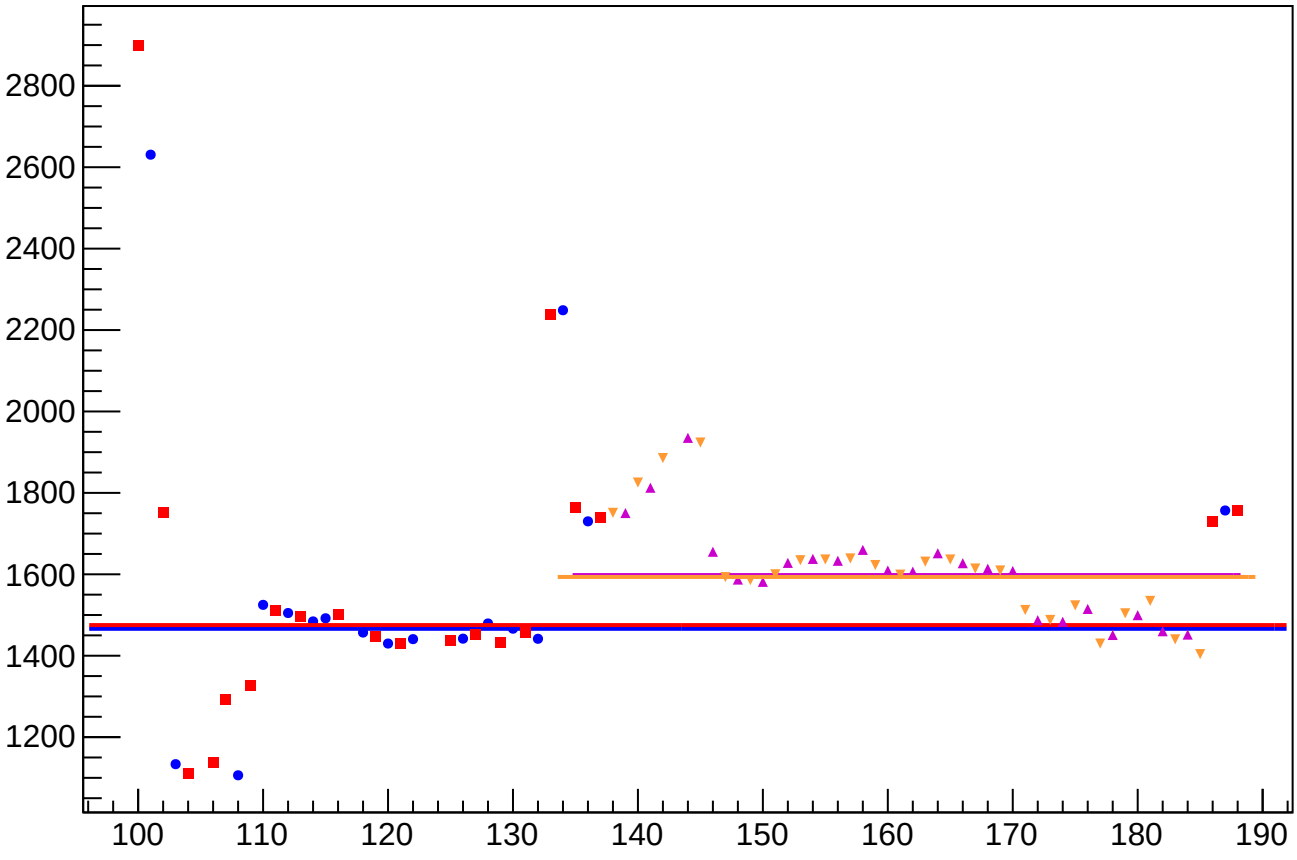
Right Out: 21.645+/-514.415 χ^2/NDF: 18.4/19

Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 430.375+/-307.422 χ^2/NDF: 67.7/40

All: 482.640+/-215.632 χ^2/NDF: 100.2/83

- sign 533.257+/-302.536 χ^2/NDF: 32.4/42



Right In: 1466.129+/-0.389 χ^2/NDF: 586271.4/16

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

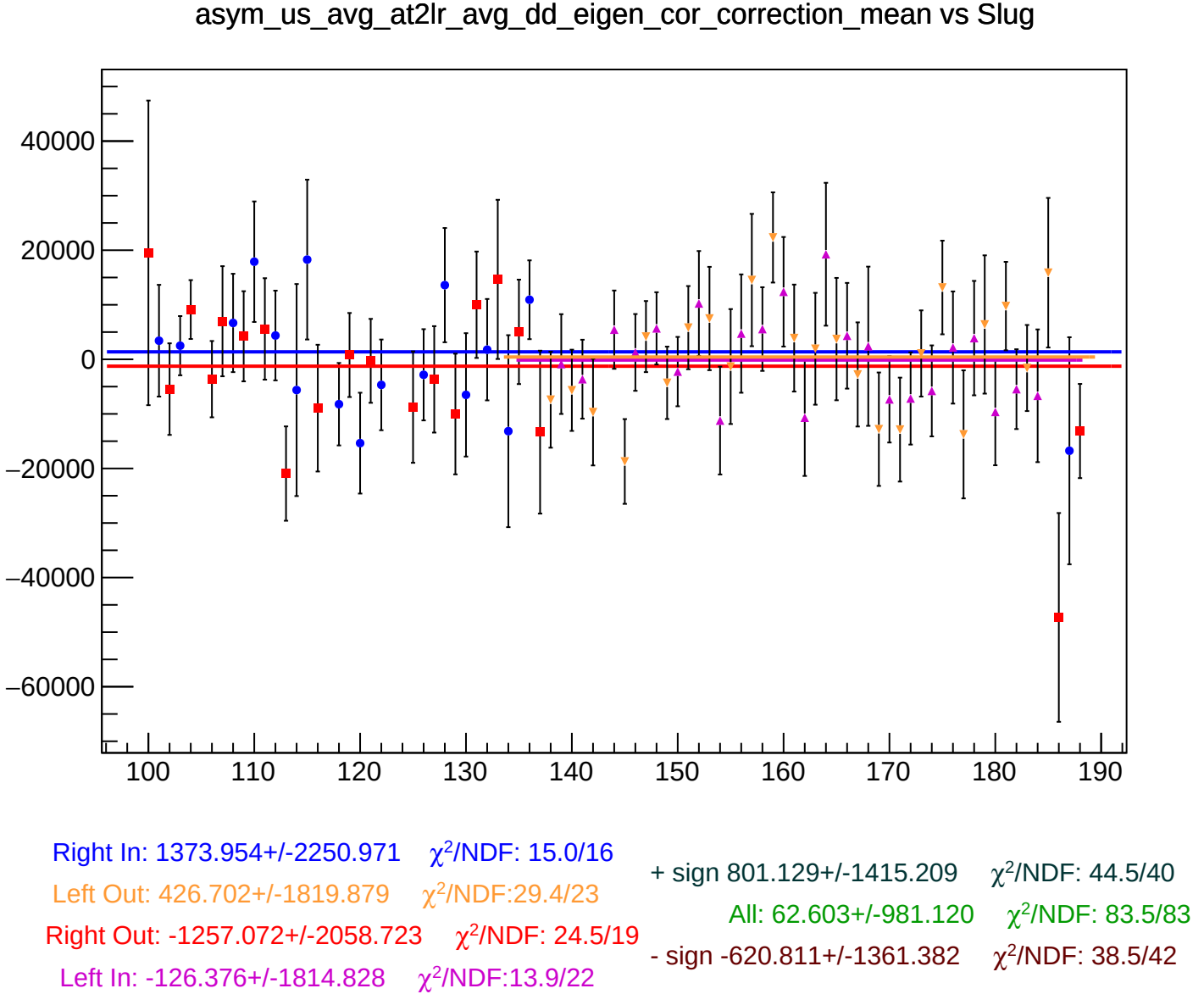
Right Out: 1475.245+/-0.363 χ^2/NDF: 449169.7/19

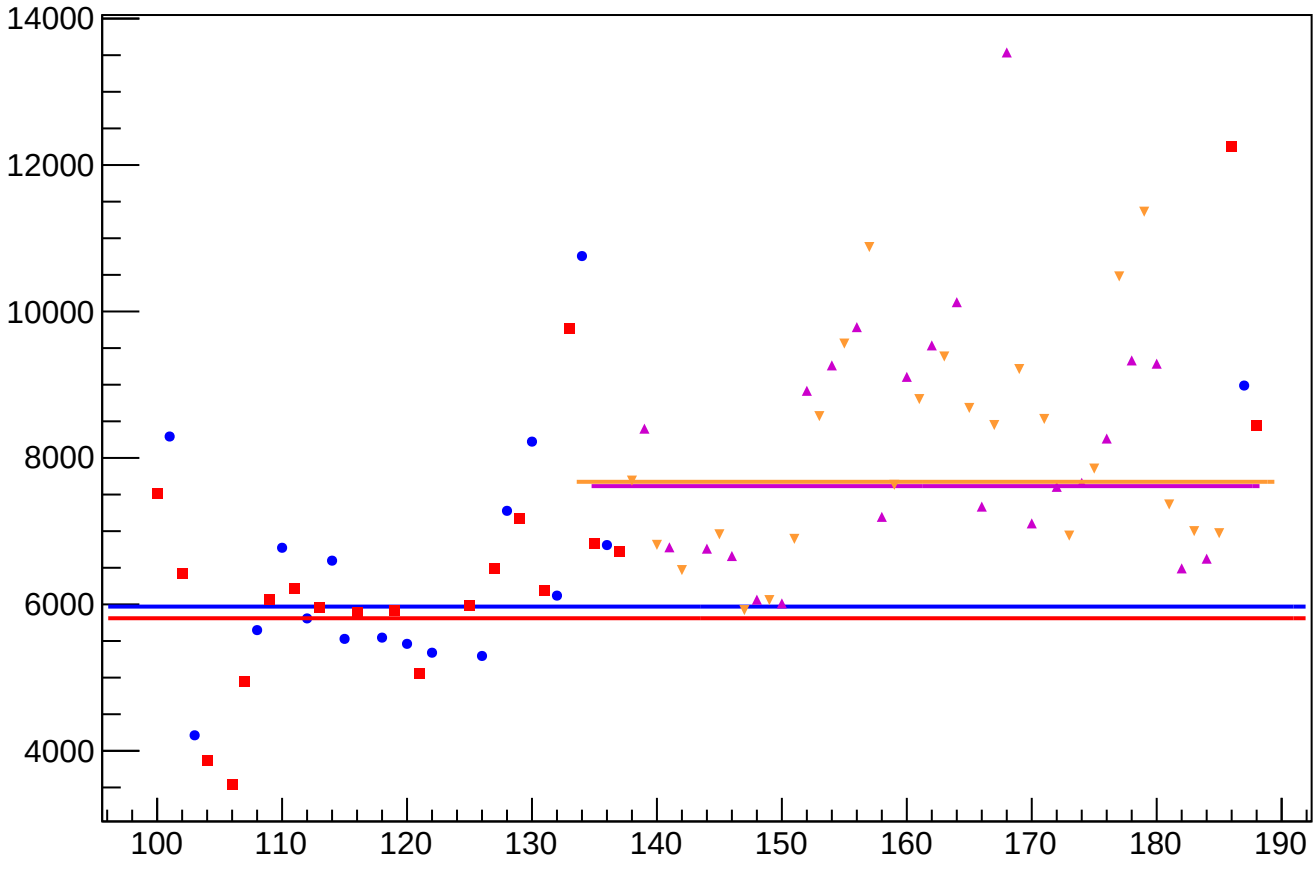
Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1553.647+/-0.217 χ^2/NDF: 847661.7/40

All: 1554.593+/-0.152 χ^2/NDF: 1540864.1/83

- sign 1555.507+/-0.214 χ^2/NDF: 693165.2/42


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug
40000
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
170
180
190
Right In: 1373.954+/-2250.971 χ²/NDF: 15.0/16
Left Out: 426.702+/-1819.879 χ²/NDF:29.4/23
Right Out: -1257.072+/-2058.723 χ²/NDF: 24.5/19
Left In: -126.376+/-1814.828 χ²/NDF:13.9/22
+ sign 801.129+/-1415.209 χ²/NDF: 44.5/40
All: 62.603+/-981.120 χ²/NDF: 83.5/83
- sign -620.811+/-1361.382 χ²/NDF: 38.5/42



Right In: 5969.956+/-1.592 χ^2/NDF: 695674.4/16

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 5810.712+/-1.456 χ^2/NDF: 1162956.9/19

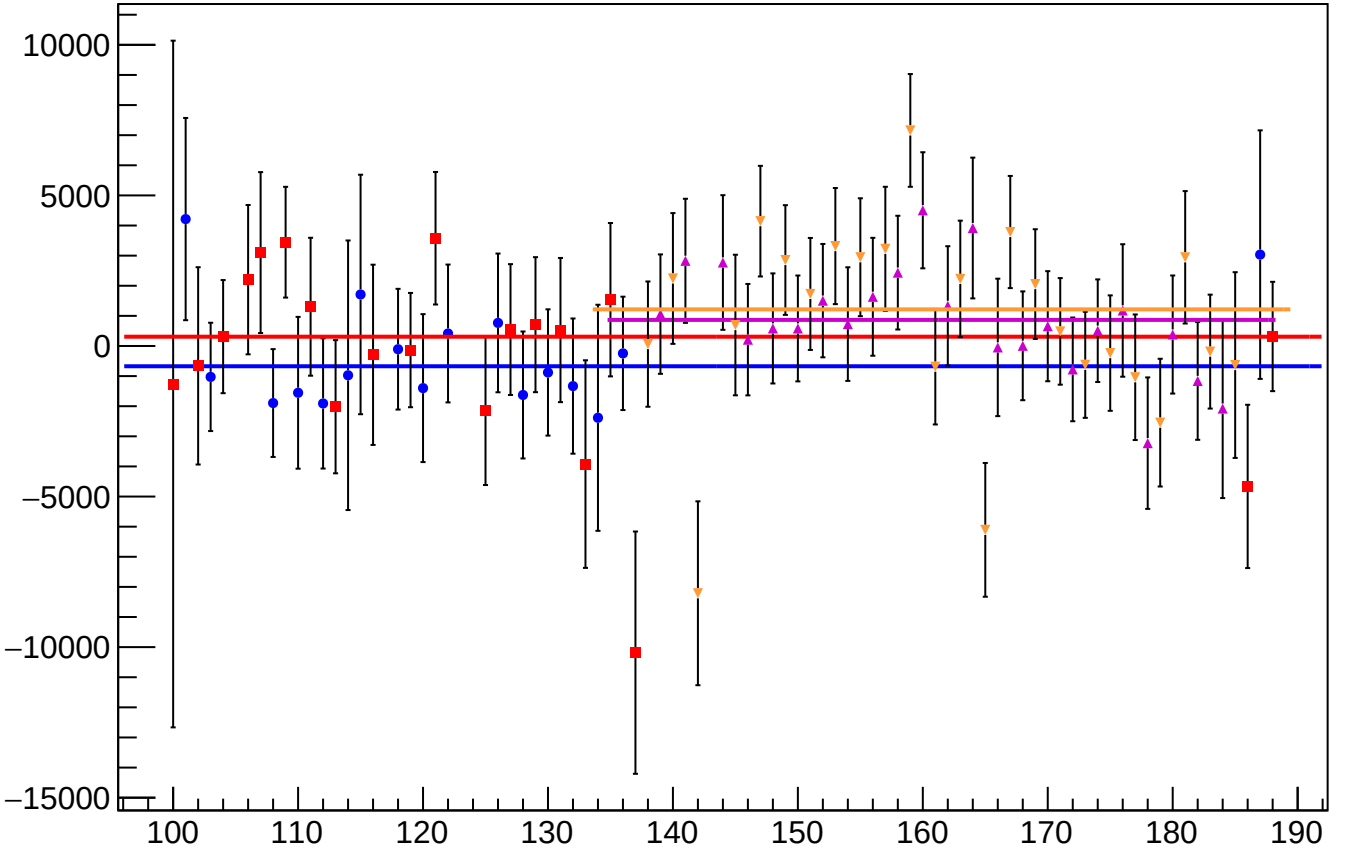
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7000.468+/-1.001 χ^2/NDF: 2465557.9/40

All: 6909.849+/-0.694 χ^2/NDF: 5733234.4/83

- sign 6825.993+/-0.963 χ^2/NDF: 3251887.9/42

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -673.180+/-572.482 χ^2/NDF: 5.6/16

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 308.282+/-537.383 χ^2/NDF: 21.2/19

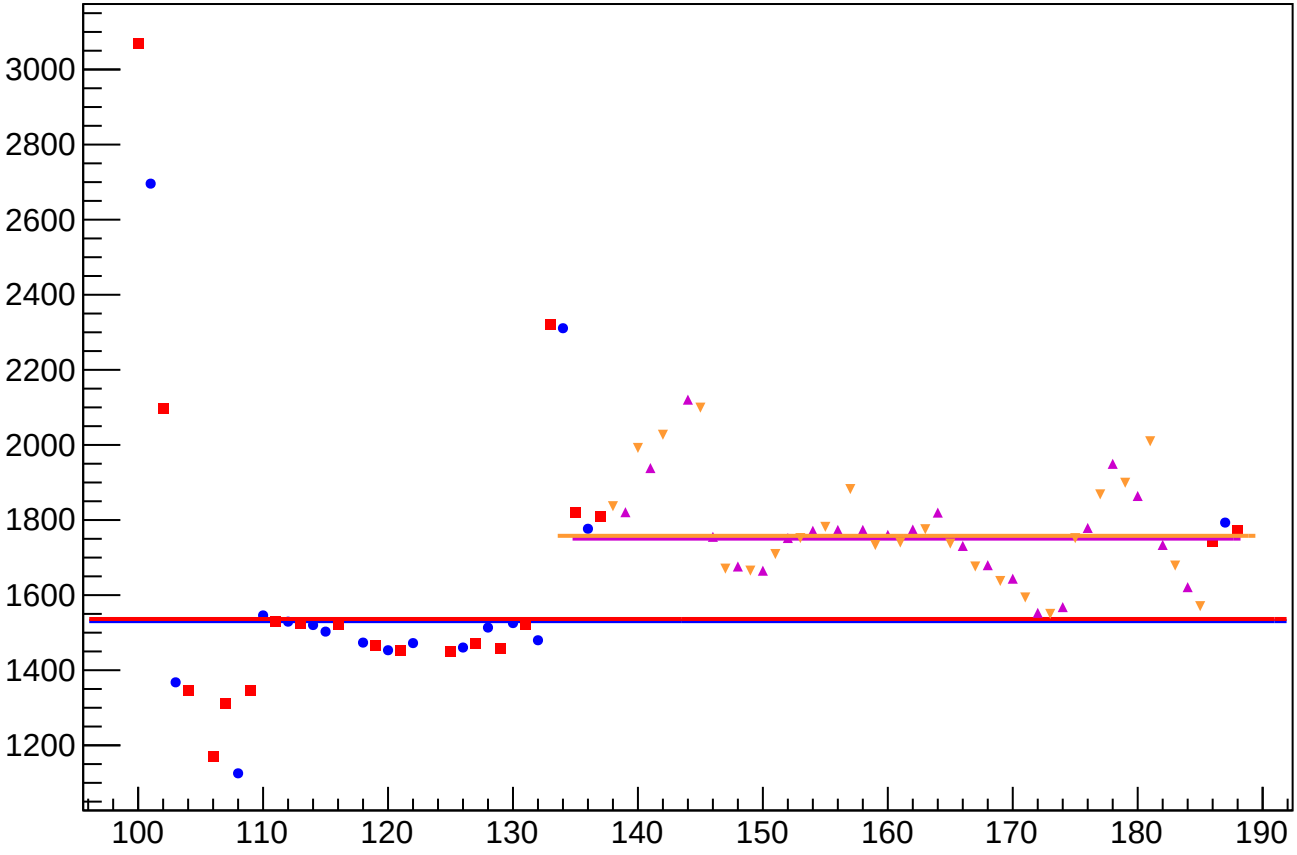
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 575.953+/-333.108 χ^2/NDF: 61.2/40

All: 619.288+/-232.982 χ^2/NDF: 98.3/83

- sign 660.788+/-325.981 χ^2/NDF: 37.0/42

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1530.686+/-0.405 χ^2/NDF: 496578.6/16

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

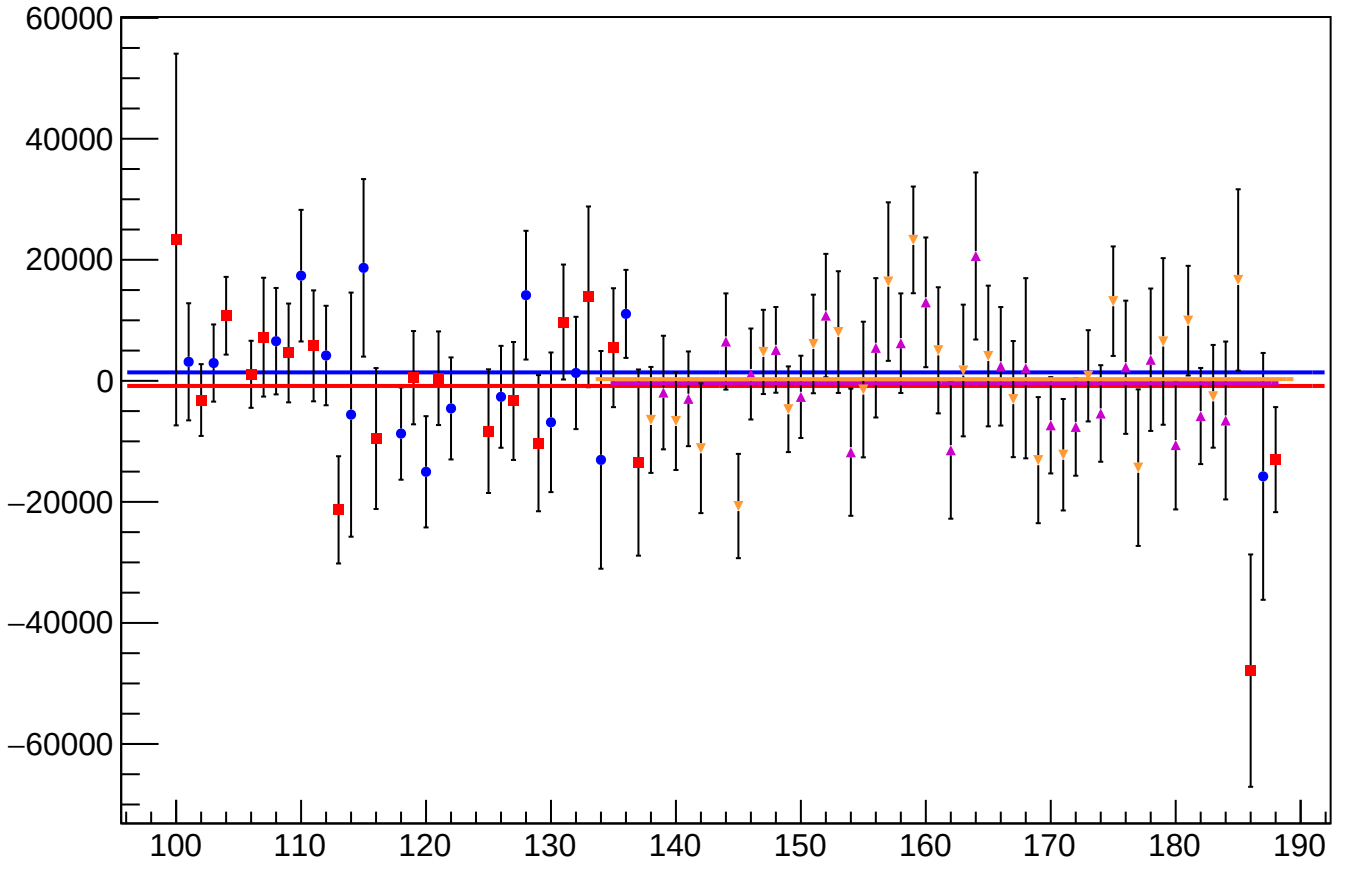
Right Out: 1536.469+/-0.380 χ^2/NDF: 390711.5/19

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1681.015+/-0.236 χ^2/NDF: 918363.9/40

All: 1676.258+/-0.165 χ^2/NDF: 1682302.8/83

- sign 1671.702+/-0.230 χ^2/NDF: 763140.2/42



Right In: 1397.720+/-2305.166 χ^2/NDF: 15.0/16

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

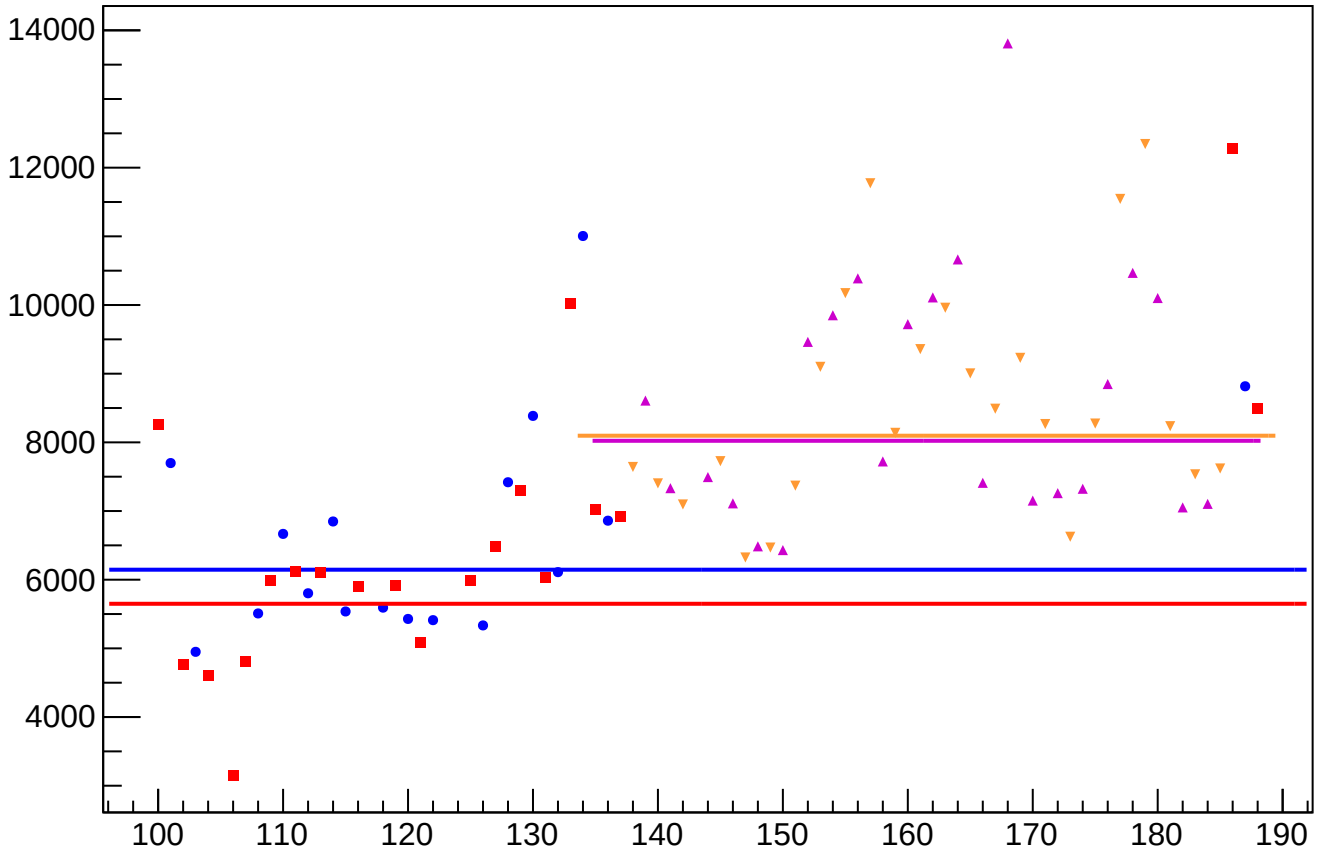
Right Out: -842.759+/-1994.253 χ^2/NDF: 24.3/19

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 740.754+/-1475.352 χ^2/NDF: 43.8/40

All: 24.159+/-1007.947 χ^2/NDF: 82.2/83

- sign -603.072+/-1380.295 χ^2/NDF: 38.0/42



Right In: 6145.600+/-1.630 χ^2/NDF: 506409.3/16

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

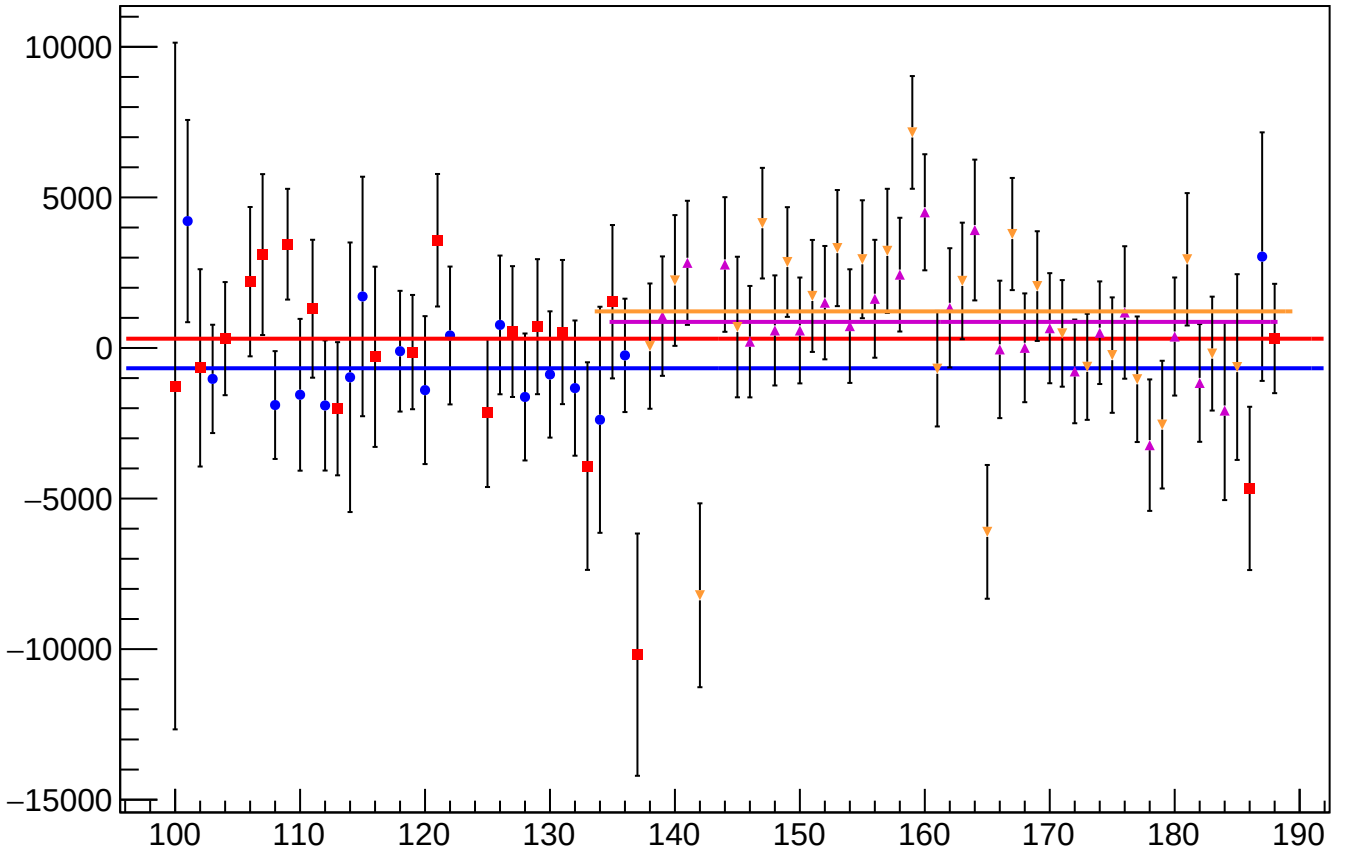
Right Out: 5649.348+/-1.410 χ^2/NDF: 1302344.1/19

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7297.552+/-1.043 χ^2/NDF: 2440192.3/40

All: 7077.959+/-0.713 χ^2/NDF: 6526870.6/83

- sign 6885.752+/-0.976 χ^2/NDF: 4003589.4/42



Right In: -673.186+/-572.482 χ^2/NDF: 5.6/16

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 308.294+/-537.383 χ^2/NDF: 21.2/19

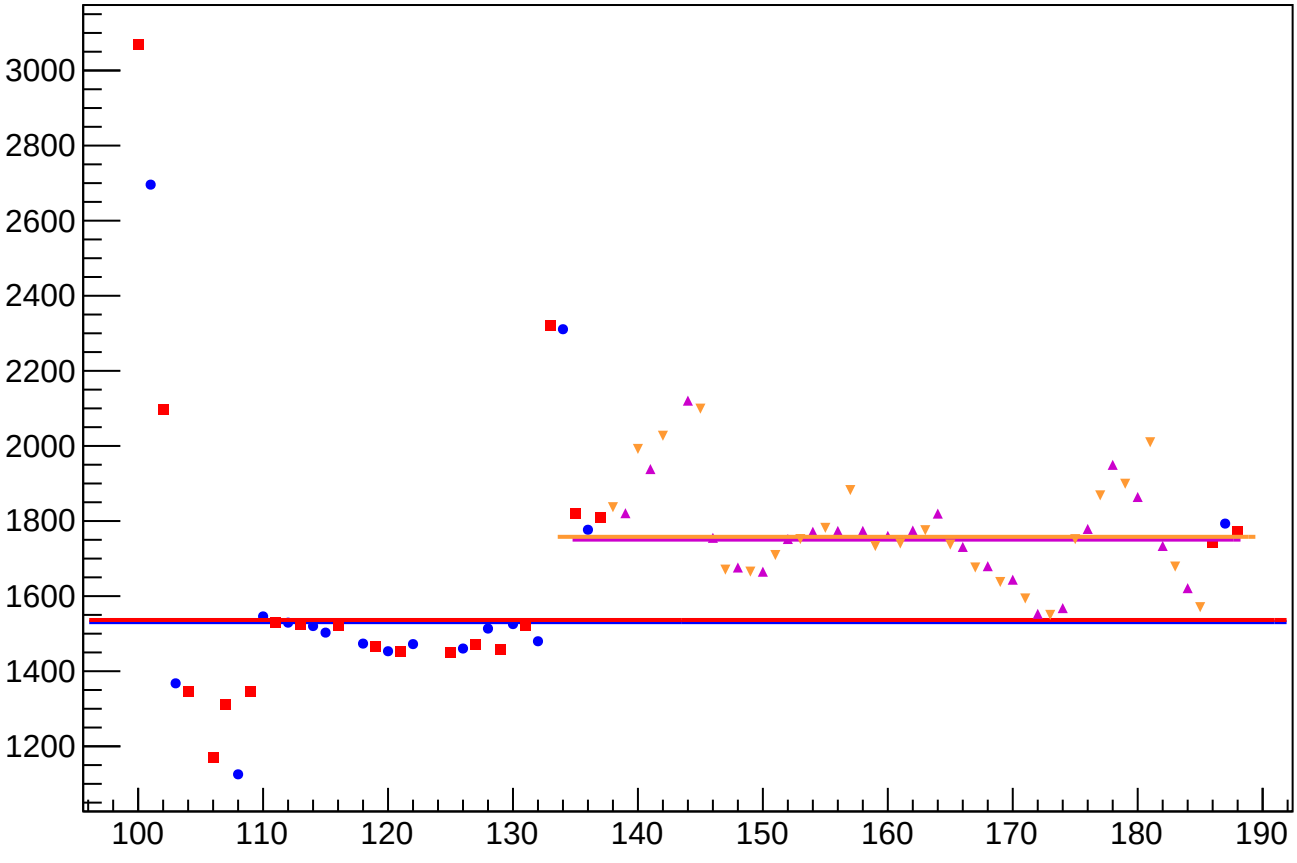
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 575.955+/-333.109 χ^2/NDF: 61.2/40

All: 619.291+/-232.983 χ^2/NDF: 98.3/83

\- sign 660.791+/-325.981 χ^2/NDF: 37.0/42

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1530.686+/-0.405 χ^2/NDF: 496578.0/16

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

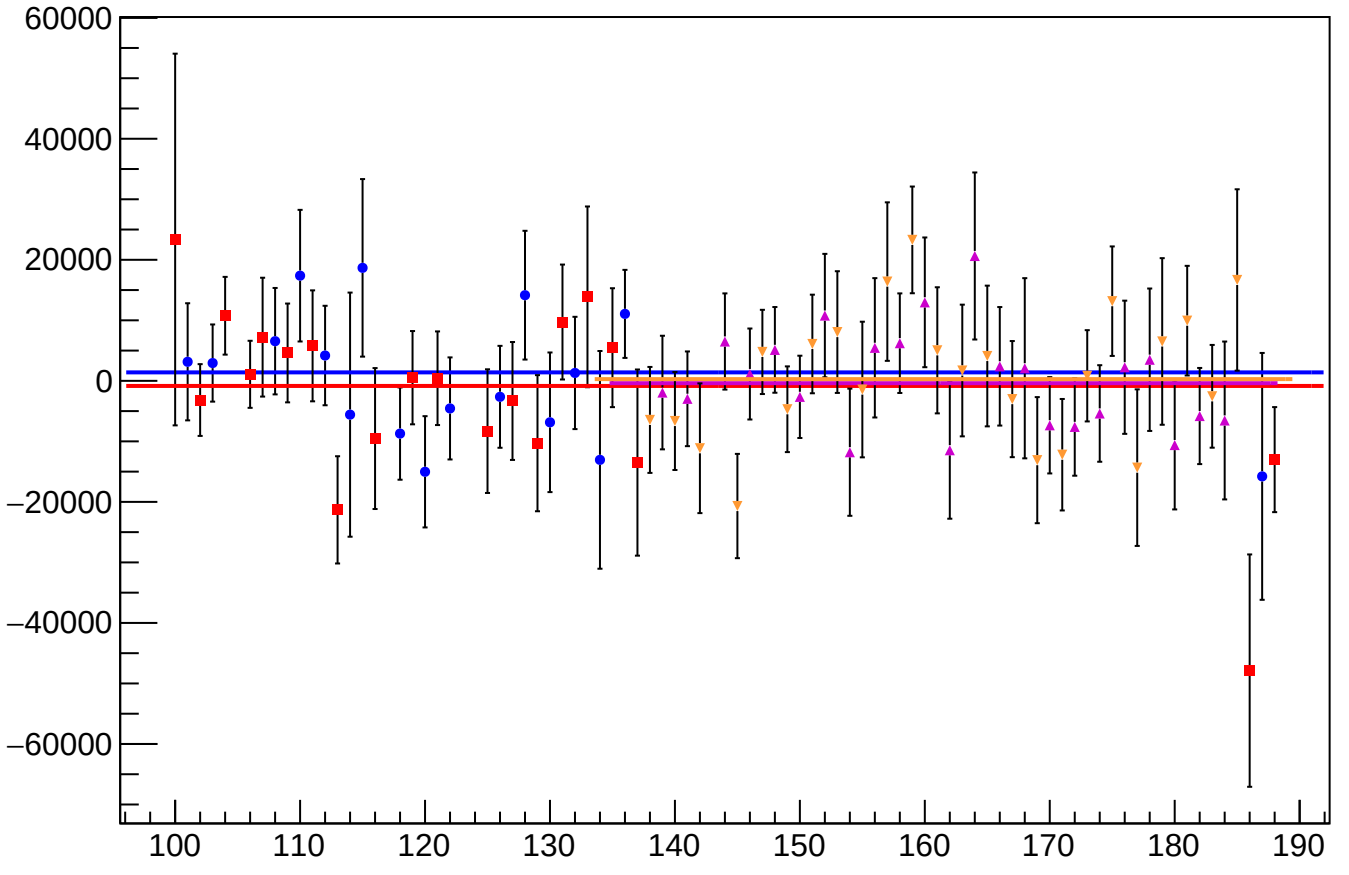
Right Out: 1536.469+/-0.380 χ^2/NDF: 390711.6/19

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1681.017+/-0.236 χ^2/NDF: 918376.4/40

All: 1676.259+/-0.165 χ^2/NDF: 1682328.2/83

- sign 1671.704+/-0.230 χ^2/NDF: 763153.1/42



Right In: 1397.701+/-2305.161 χ^2/NDF: 15.0/16

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

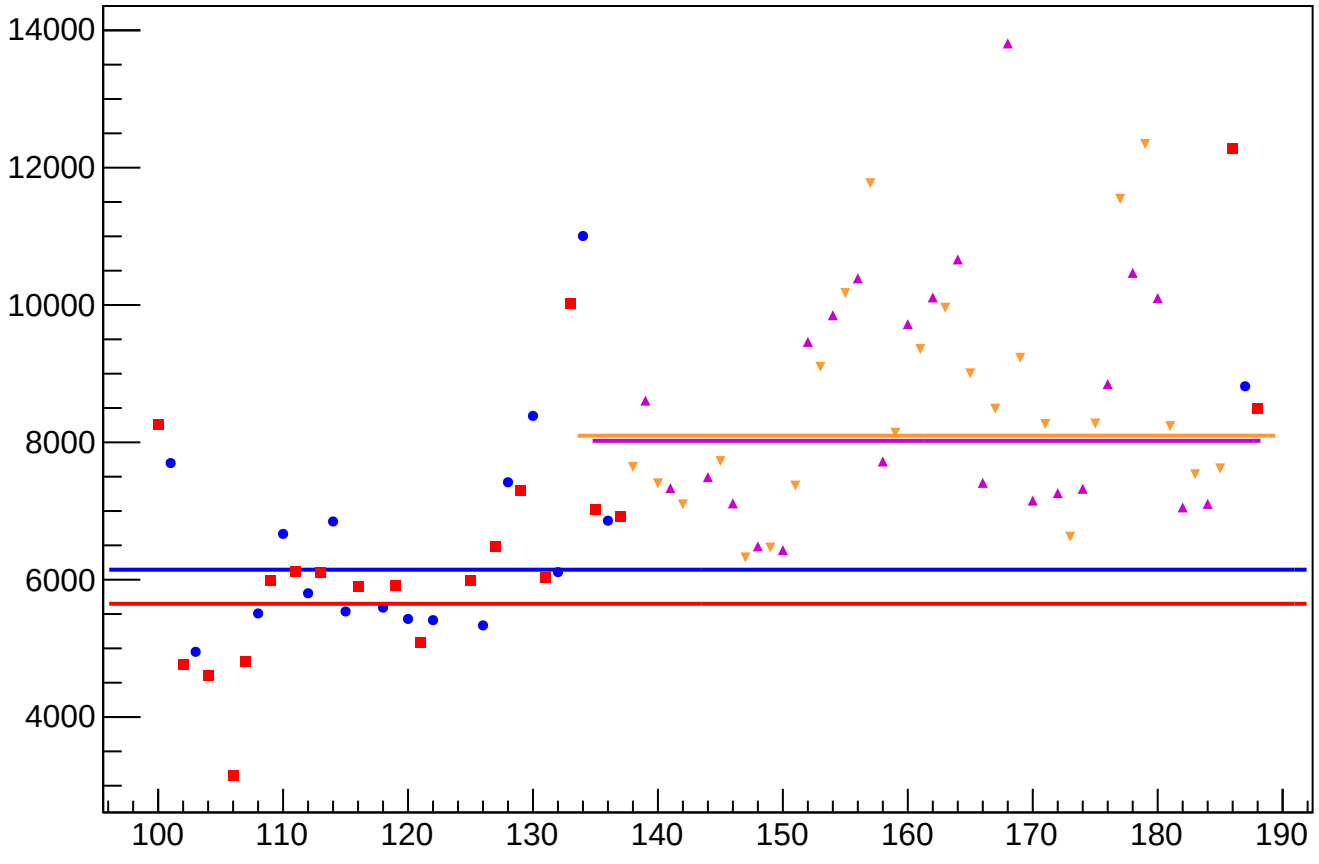
Right Out: -842.748+/-1994.249 χ^2/NDF: 24.3/19

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 740.749+/-1475.352 χ^2/NDF: 43.8/40

All: 24.158+/-1007.947 χ^2/NDF: 82.2/83

- sign -603.069+/-1380.295 χ^2/NDF: 38.0/42



Right In: 6145.587+/-1.630 χ^2/NDF: 506412.2/16

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 5649.337+/-1.410 χ^2/NDF: 1302348.0/19

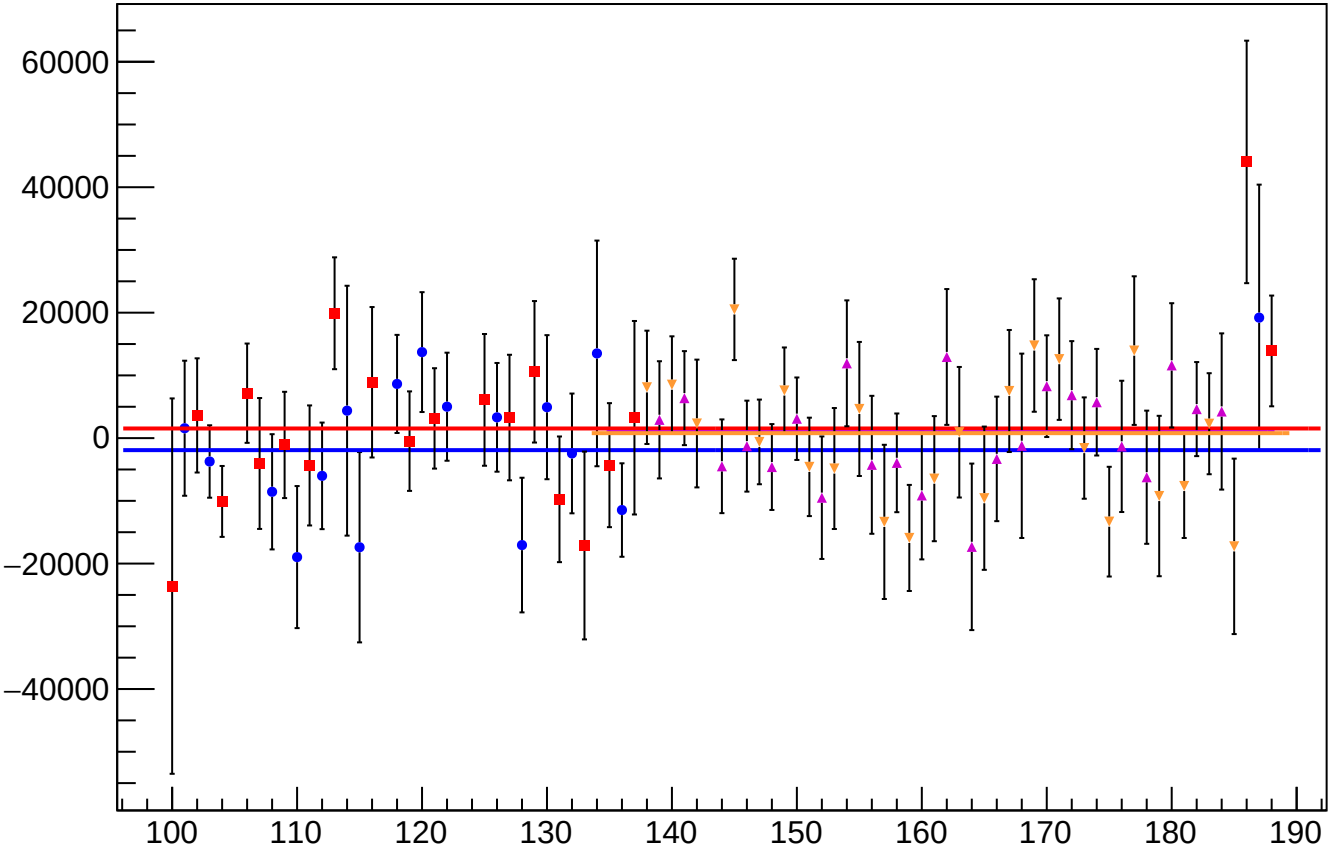
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7297.550+/-1.043 χ^2/NDF: 2440221.1/40

All: 7077.957+/-0.713 χ^2/NDF: 6526937.3/83

- sign 6885.748+/-0.976 χ^2/NDF: 4003626.7/42

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -1915.230+/-2333.410 χ^2/NDF: 15.6/16

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 1536.712+/-2147.681 χ^2/NDF: 21.8/19

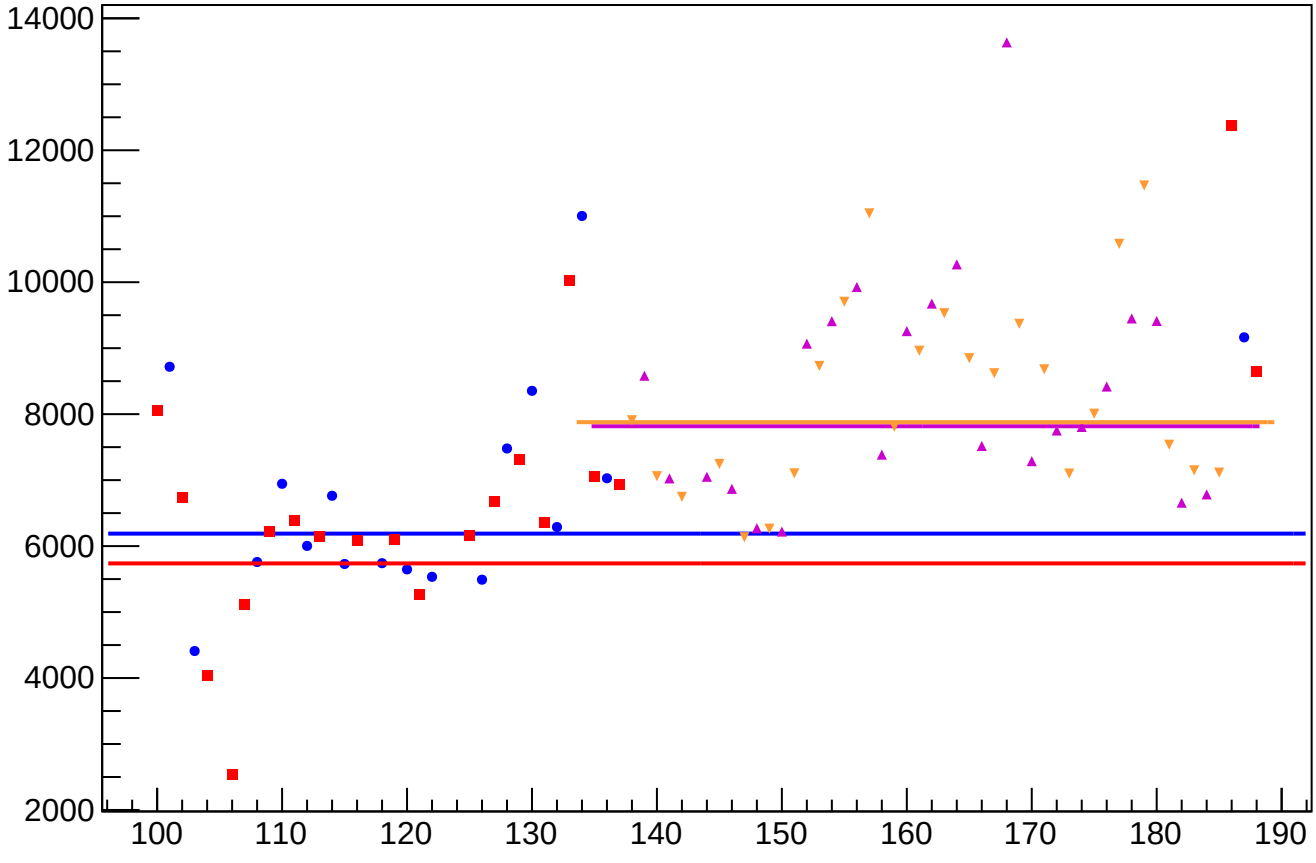
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -263.813+/-1456.899 χ^2/NDF: 43.6/40

All: 499.003+/-1011.700 χ^2/NDF: 78.8/83

- sign 1209.426+/-1405.978 χ^2/NDF: 34.7/42

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6189.146+/-1.650 χ^2/NDF: 663865.8/16

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

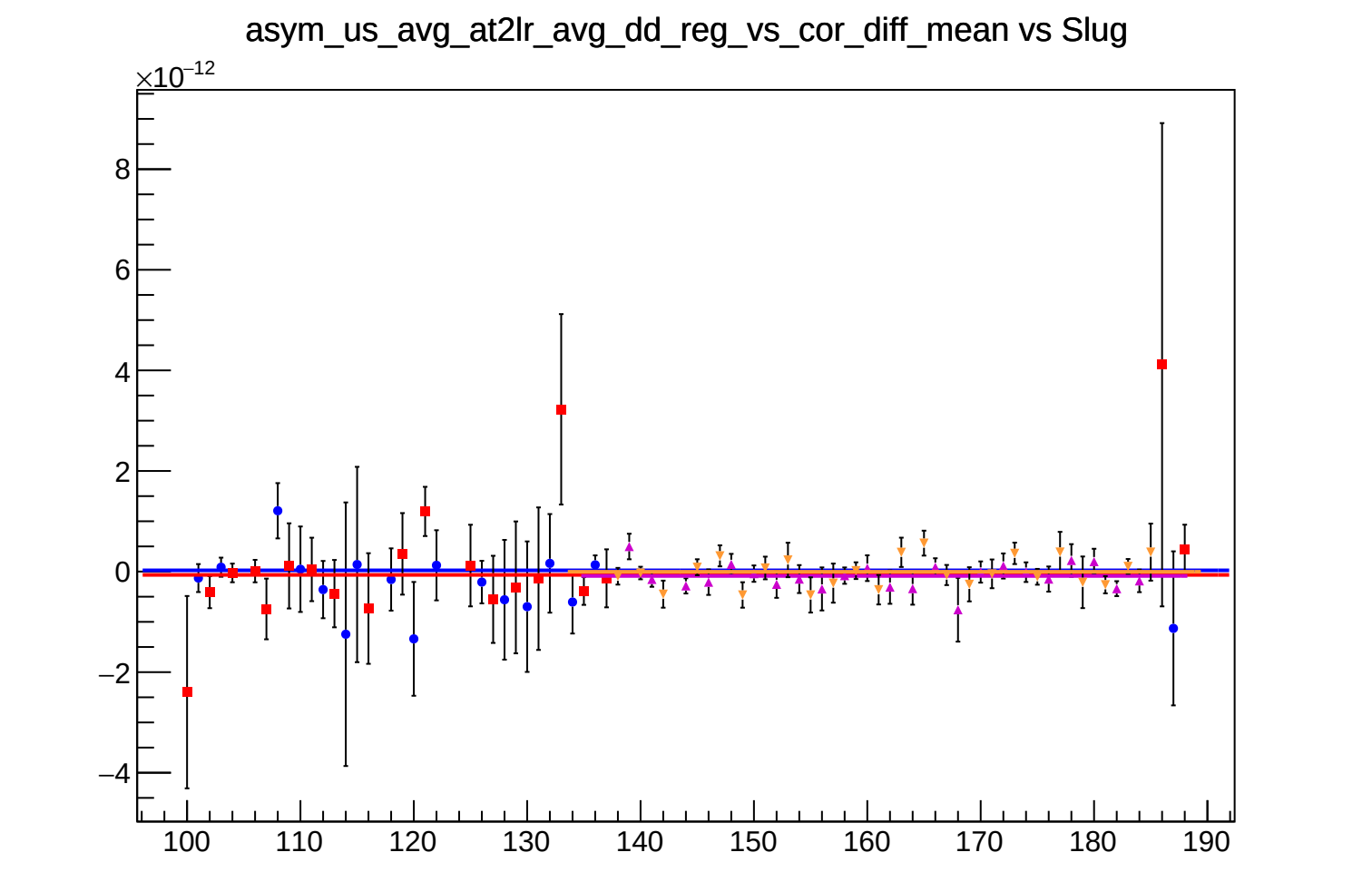
Right Out: 5737.505+/-1.468 χ^2/NDF: 1629302.7/19

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7219.921+/-1.030 χ^2/NDF: 2293560.1/40

All: 7046.994+/-0.710 χ^2/NDF: 6221614.5/83

- sign 6890.663+/-0.979 χ^2/NDF: 3874404.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

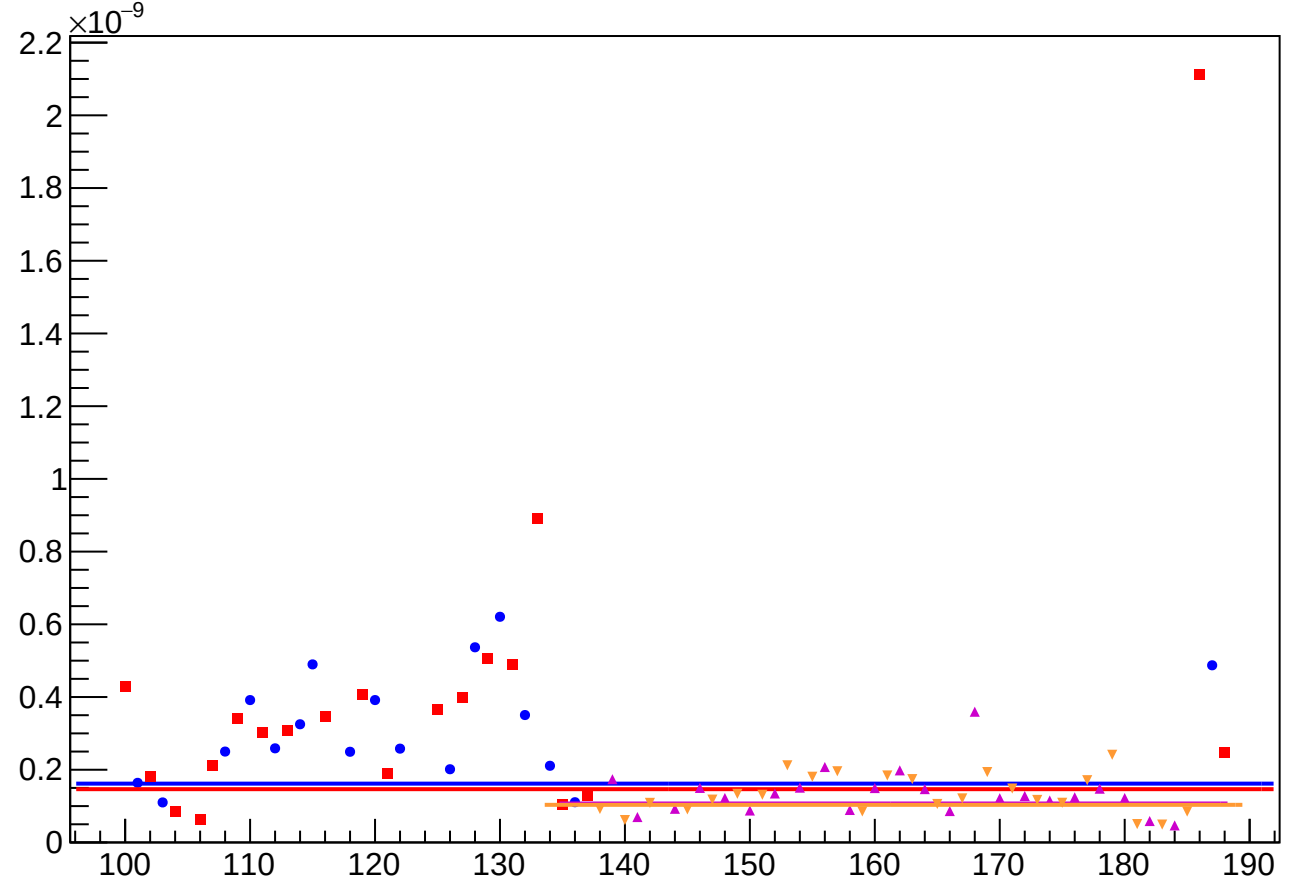
Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/19

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.8/40

All: -0.000+/-0.000 χ^2/NDF: 78.6/83

- sign -0.000+/-0.000 χ^2/NDF: 37.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 1420349.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

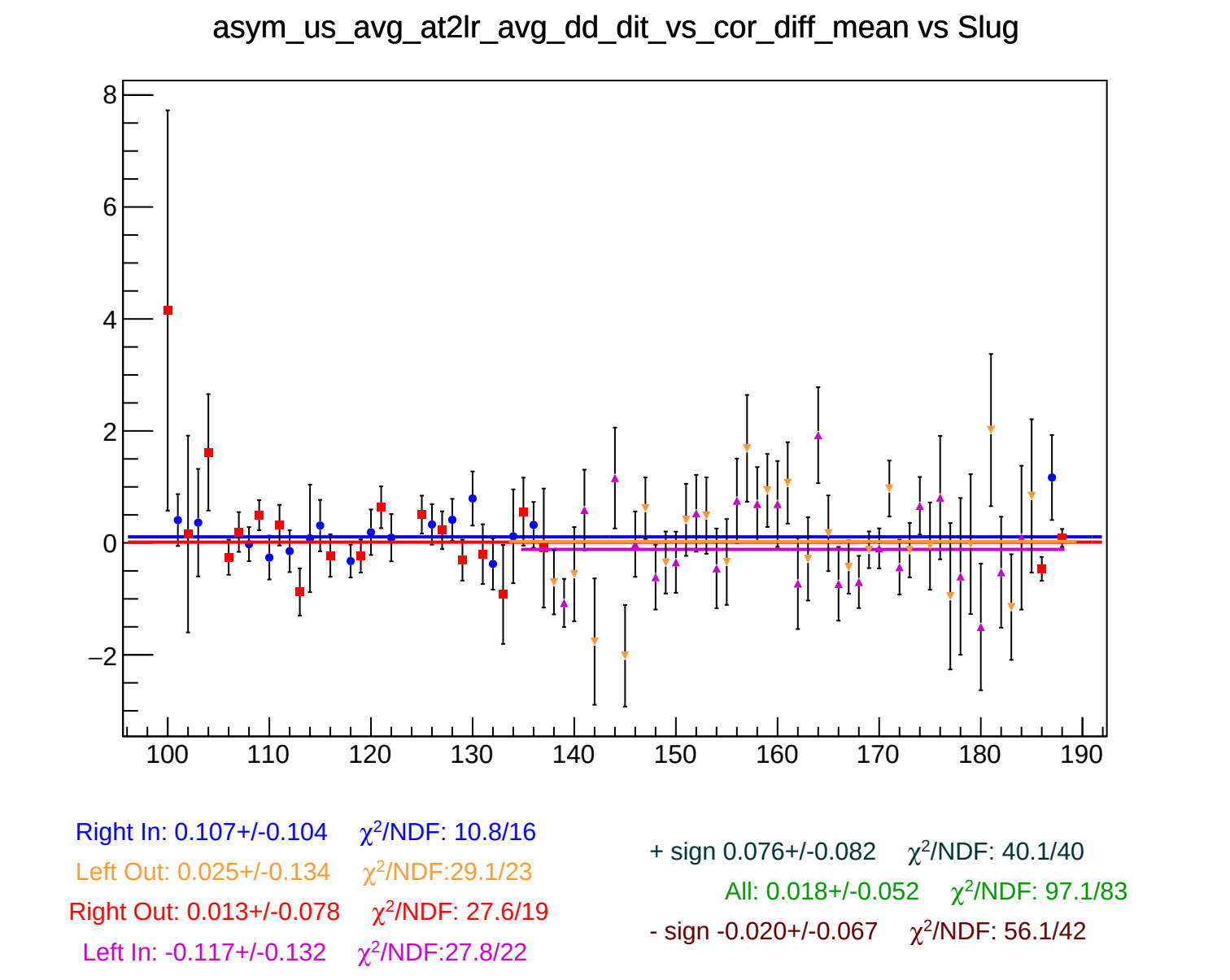
Right Out: 0.000+/-0.000 χ^2/NDF: 2588078.3/19

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3862864.4/40

All: 0.000+/-0.000 χ^2/NDF: 8303637.7/83

- sign 0.000+/-0.000 χ^2/NDF: 4439711.3/42


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
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−2
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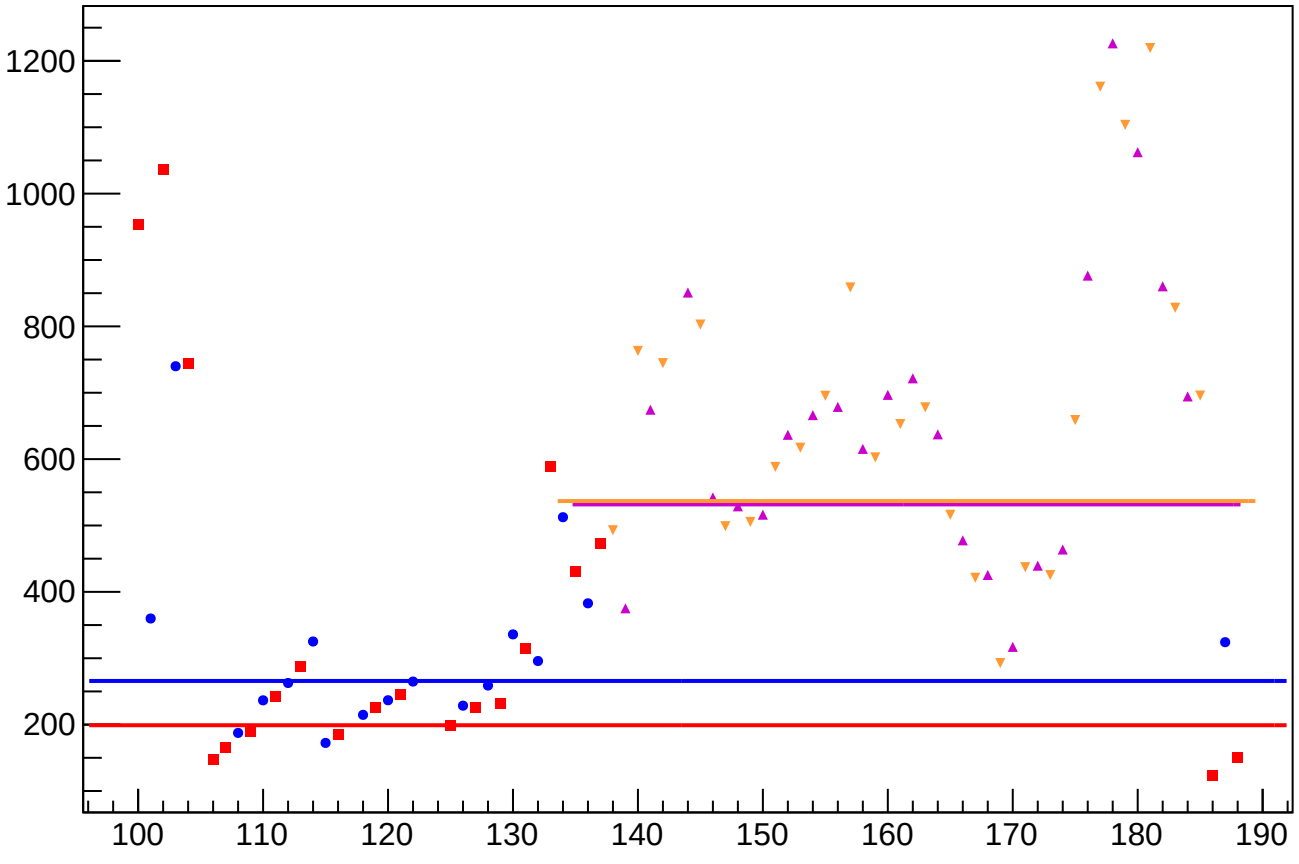
170
180
190
Right In: 0.107+/-0.104 χ²/NDF: 10.8/16
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.013+/-0.078 χ²/NDF: 27.6/19
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.076+/-0.082 χ²/NDF: 40.1/40
All: 0.018+/-0.052 χ²/NDF: 97.1/83
- sign -0.020+/-0.067 χ²/NDF: 56.1/42



Right In: 265.786+/-0.074 χ^2/NDF: 1296069.4/16

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

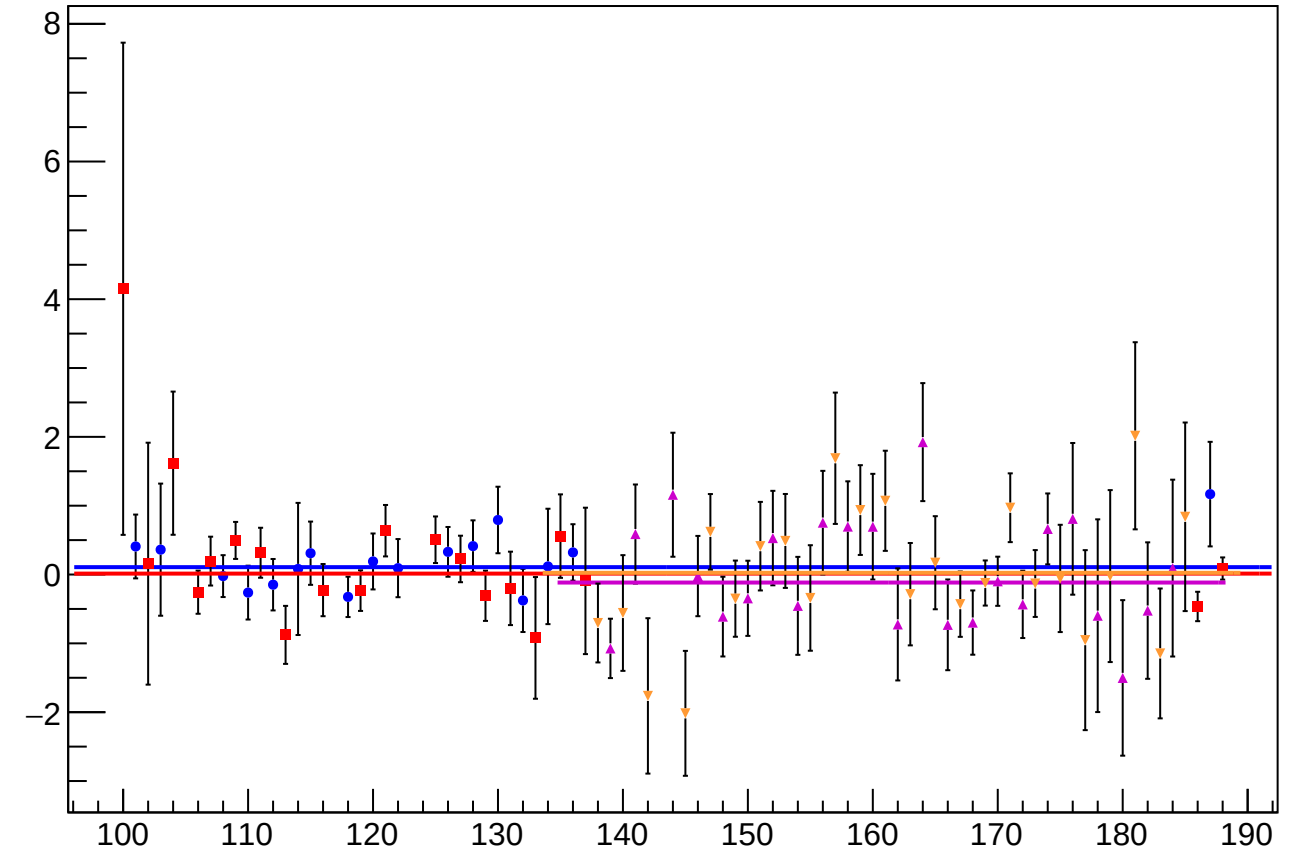
Right Out: 199.082+/-0.055 χ^2/NDF: 2705051.3/19

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 367.807+/-0.058 χ^2/NDF: 10363895.8/40

All: 317.517+/-0.037 χ^2/NDF: 27086739.4/83

- sign 284.128+/-0.047 χ^2/NDF: 15477036.0/42



Right In: 0.107+/-0.104 χ^2/NDF: 10.8/16

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

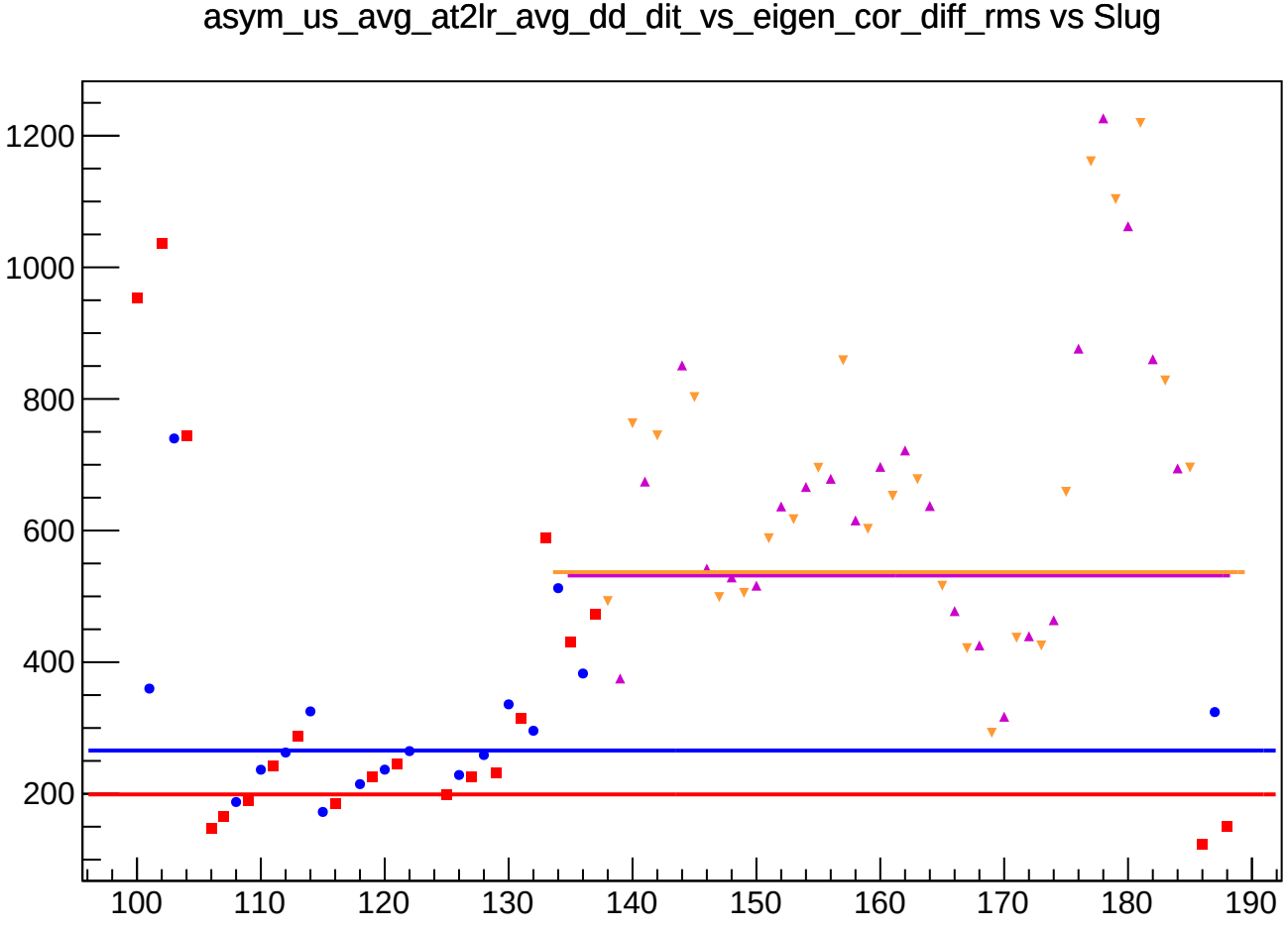
Right Out: 0.013+/-0.078 χ^2/NDF: 27.6/19

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.076+/-0.082 χ^2/NDF: 40.1/40

All: 0.018+/-0.052 χ^2/NDF: 97.1/83

- sign -0.020+/-0.067 χ^2/NDF: 56.1/42


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
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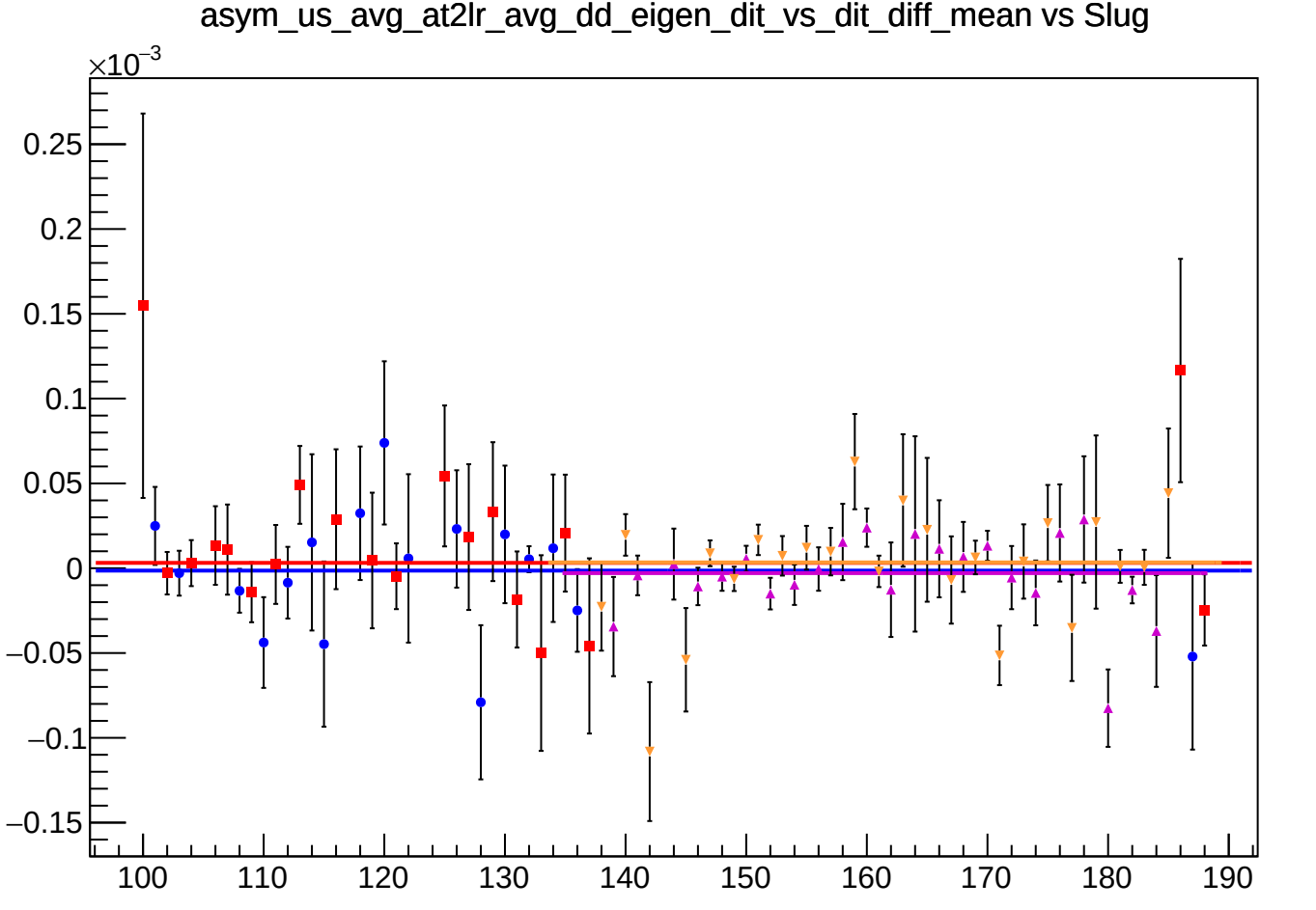
Right In: 265.786+/-0.074 χ²/NDF: 1296069.4/16
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 199.082+/-0.055 χ²/NDF: 2705051.3/19
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 367.807+/-0.058 χ²/NDF: 10363895.8/40
All: 317.517+/-0.037 χ²/NDF: 27086739.4/83
- sign 284.128+/-0.047 χ²/NDF: 15477036.0/42


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.25
0.2
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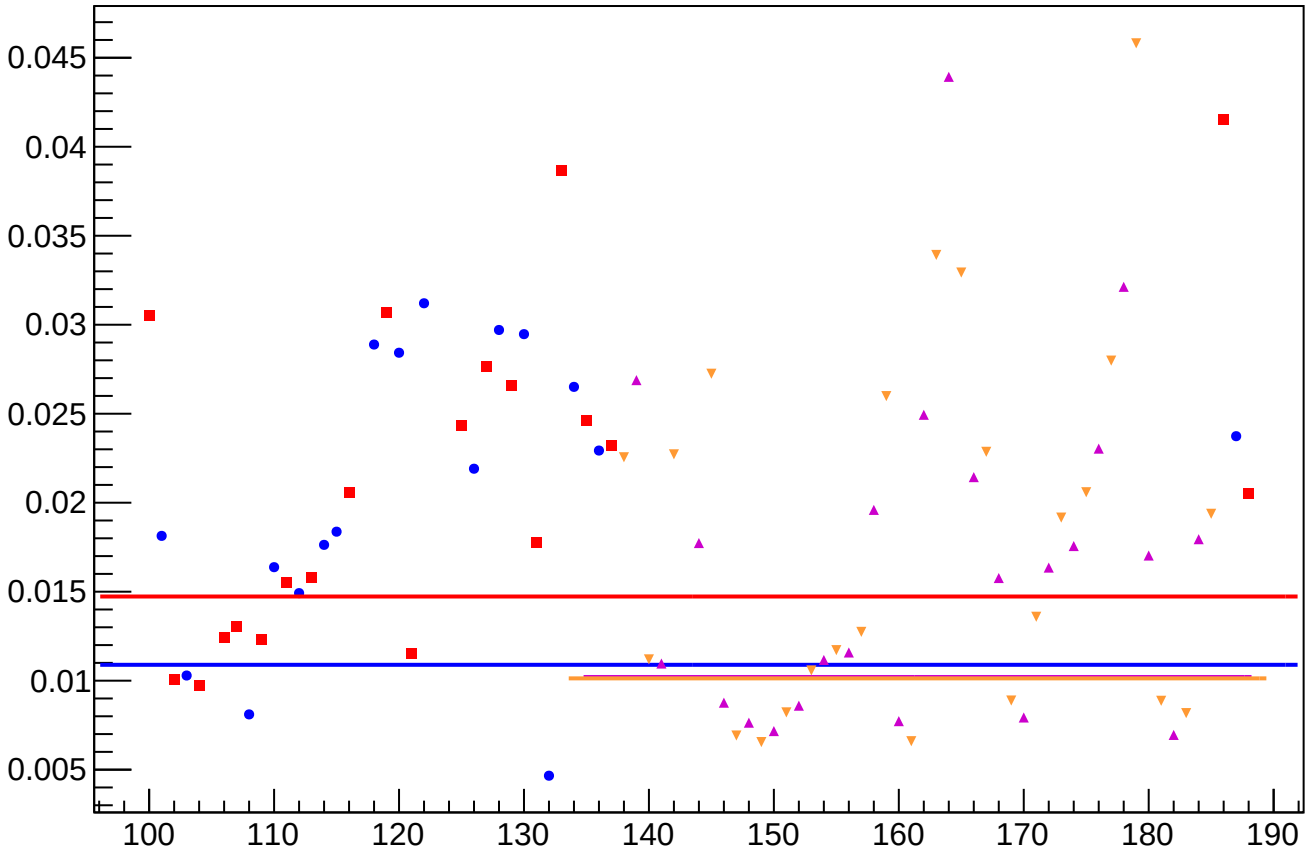
Right In: -0.000+/-0.000 χ²/NDF: 15.2/16
Left Out: 0.000+/-0.000 χ²/NDF:39.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 17.3/19
Left In: -0.000+/-0.000 χ²/NDF:32.2/22
+ sign 0.000+/-0.000 χ²/NDF: 55.0/40
All: 0.000+/-0.000 χ²/NDF: 106.8/83
- sign -0.000+/-0.000 χ²/NDF: 50.5/42



Right In: 0.011+/-0.000 χ^2/NDF: 4690594.5/16

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

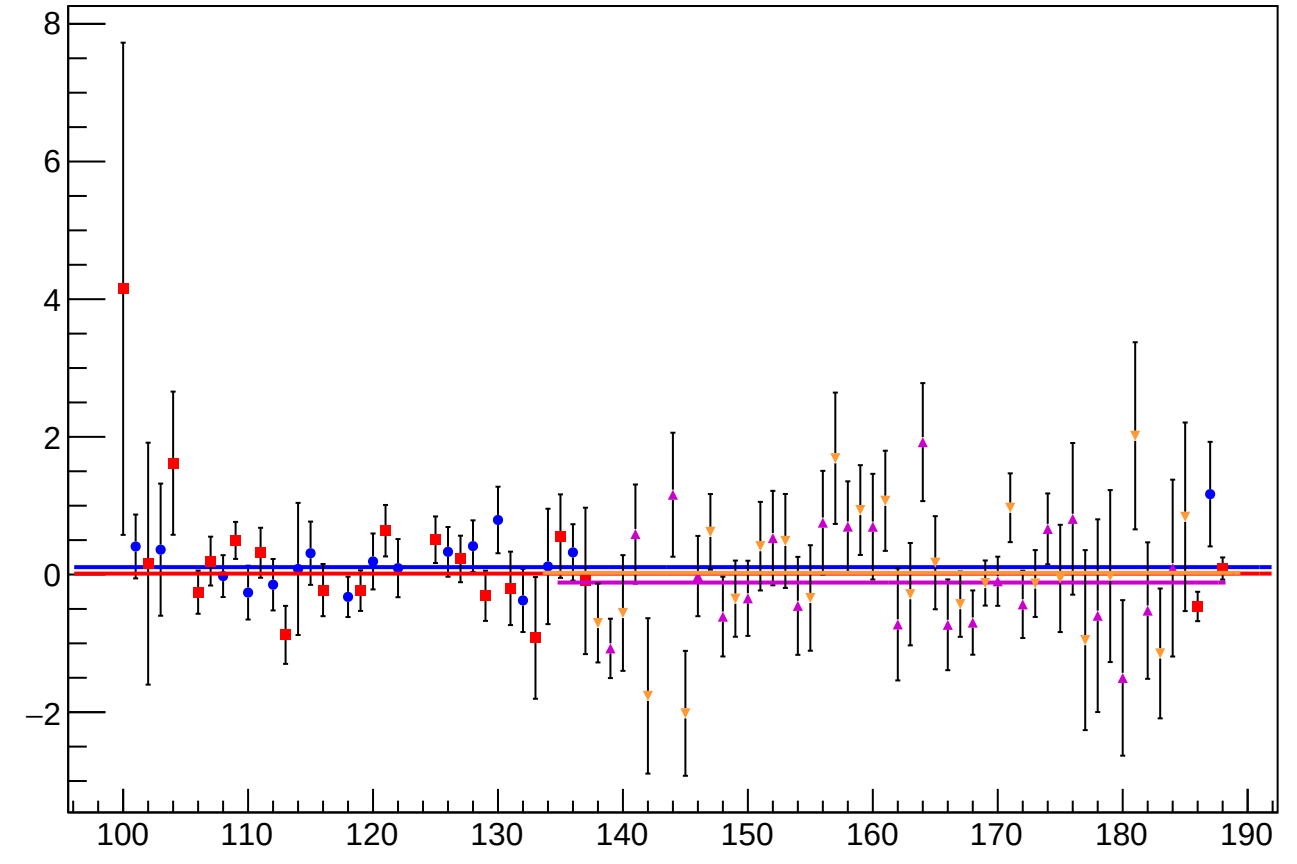
Right Out: 0.015+/-0.000 χ^2/NDF: 2593787.5/19

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.010+/-0.000 χ^2/NDF: 12539003.2/40

All: 0.011+/-0.000 χ^2/NDF: 22395178.5/83

- sign 0.011+/-0.000 χ^2/NDF: 9744933.3/42



Right In: 0.107+/-0.104 χ^2/NDF: 10.8/16

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

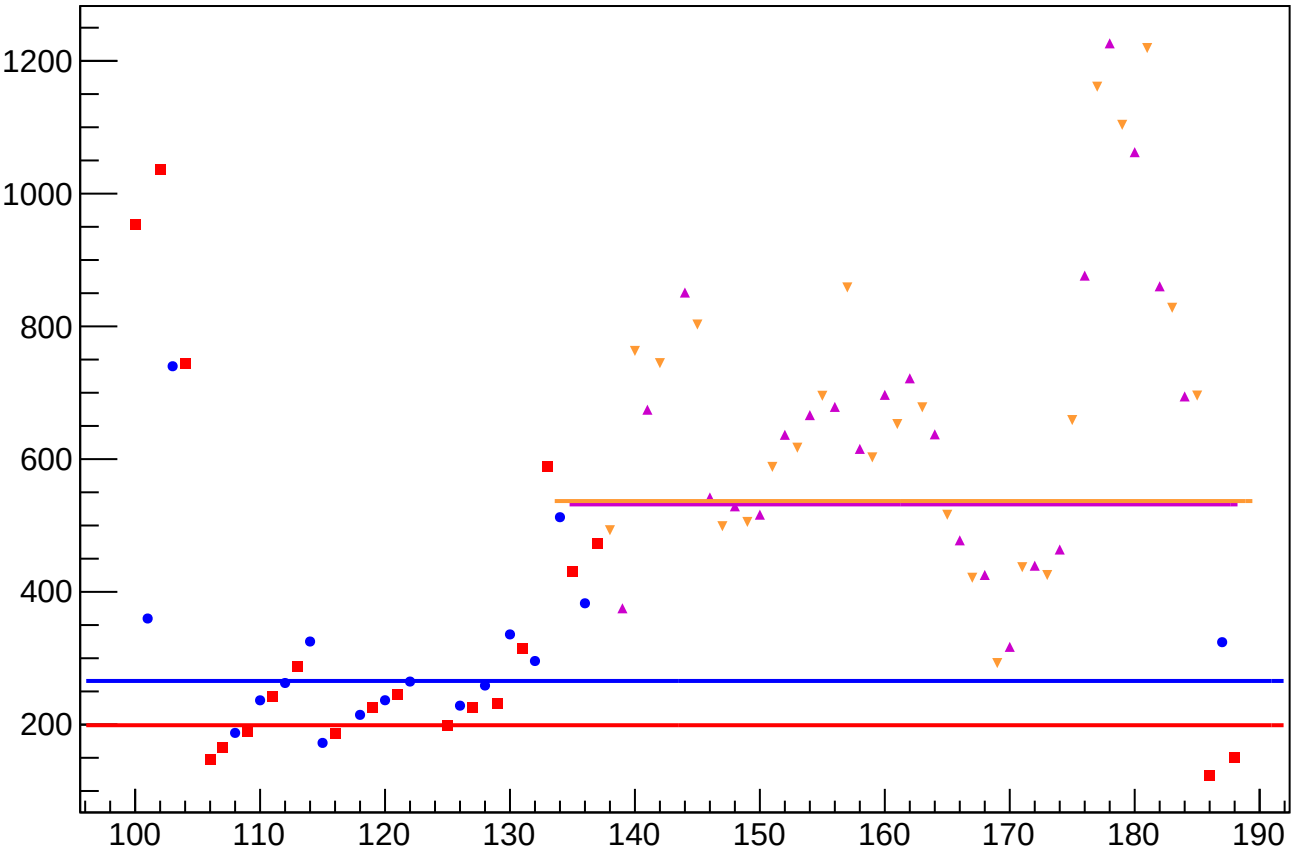
Right Out: 0.013+/-0.078 χ^2/NDF: 27.6/19

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.076+/-0.082 χ^2/NDF: 40.1/40

All: 0.018+/-0.052 χ^2/NDF: 97.1/83

- sign -0.020+/-0.067 χ^2/NDF: 56.1/42



Right In: 265.785+/-0.074 χ^2/NDF: 1296036.6/16

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 199.081+/-0.055 χ^2/NDF: 2705125.8/19

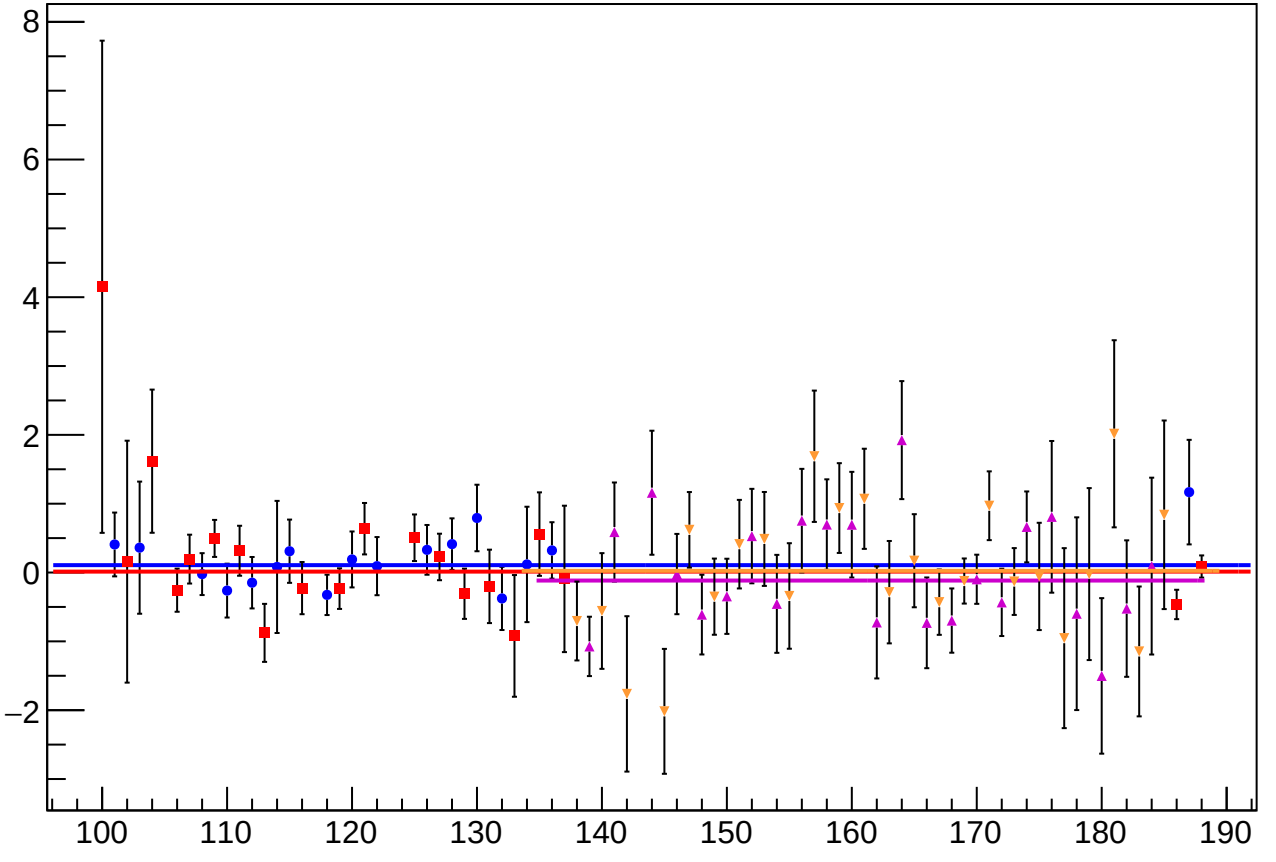
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 367.806+/-0.058 χ^2/NDF: 10364058.1/40

All: 317.515+/-0.037 χ^2/NDF: 27087284.7/83

- sign 284.126+/-0.047 χ^2/NDF: 15477382.4/42

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.107+/-0.104 χ^2/NDF: 10.8/16

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

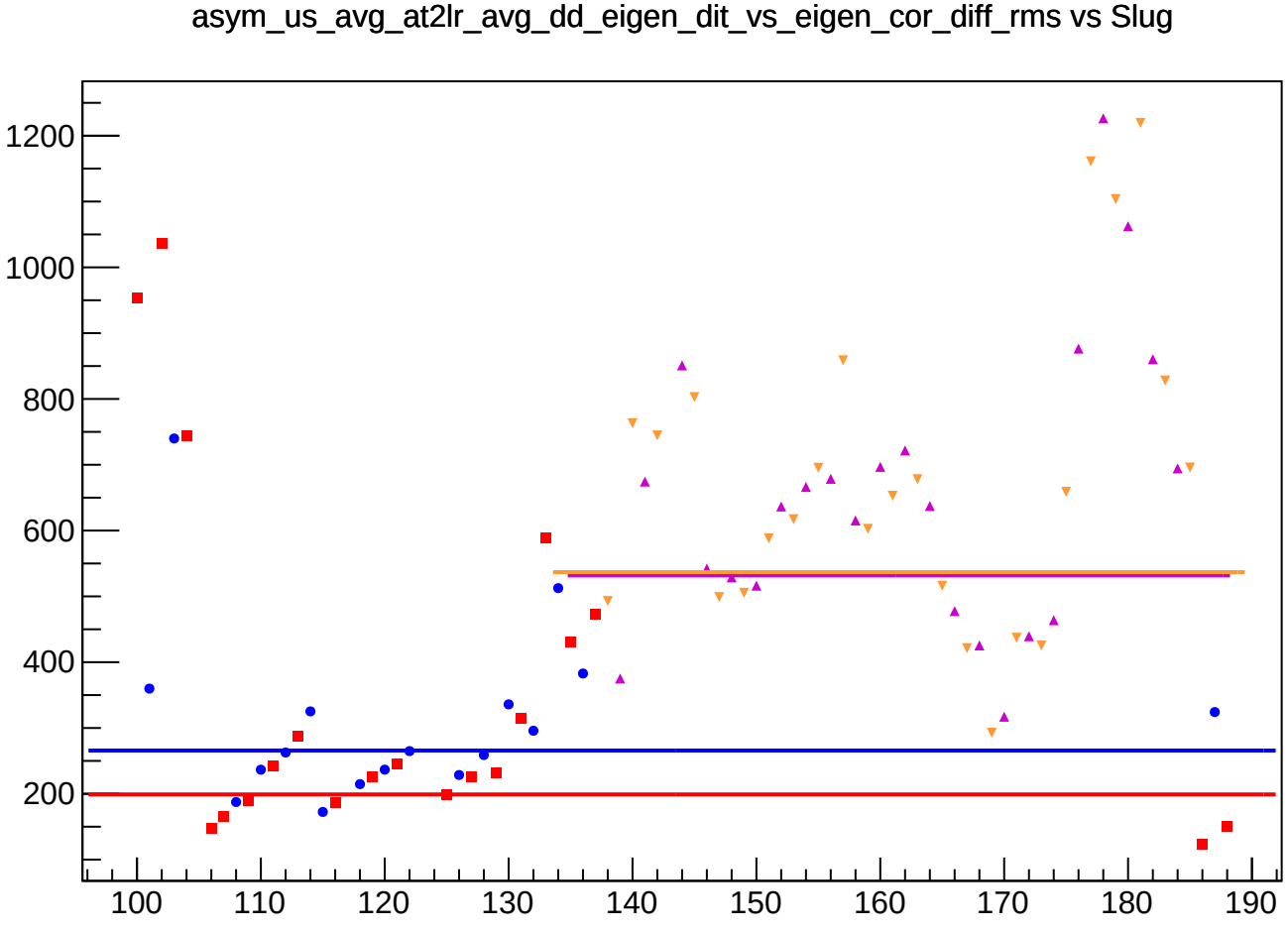
Right Out: 0.013+/-0.078 χ^2/NDF: 27.6/19

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.076+/-0.082 χ^2/NDF: 40.1/40

All: 0.018+/-0.052 χ^2/NDF: 97.1/83

- sign -0.020+/-0.067 χ^2/NDF: 56.1/42


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
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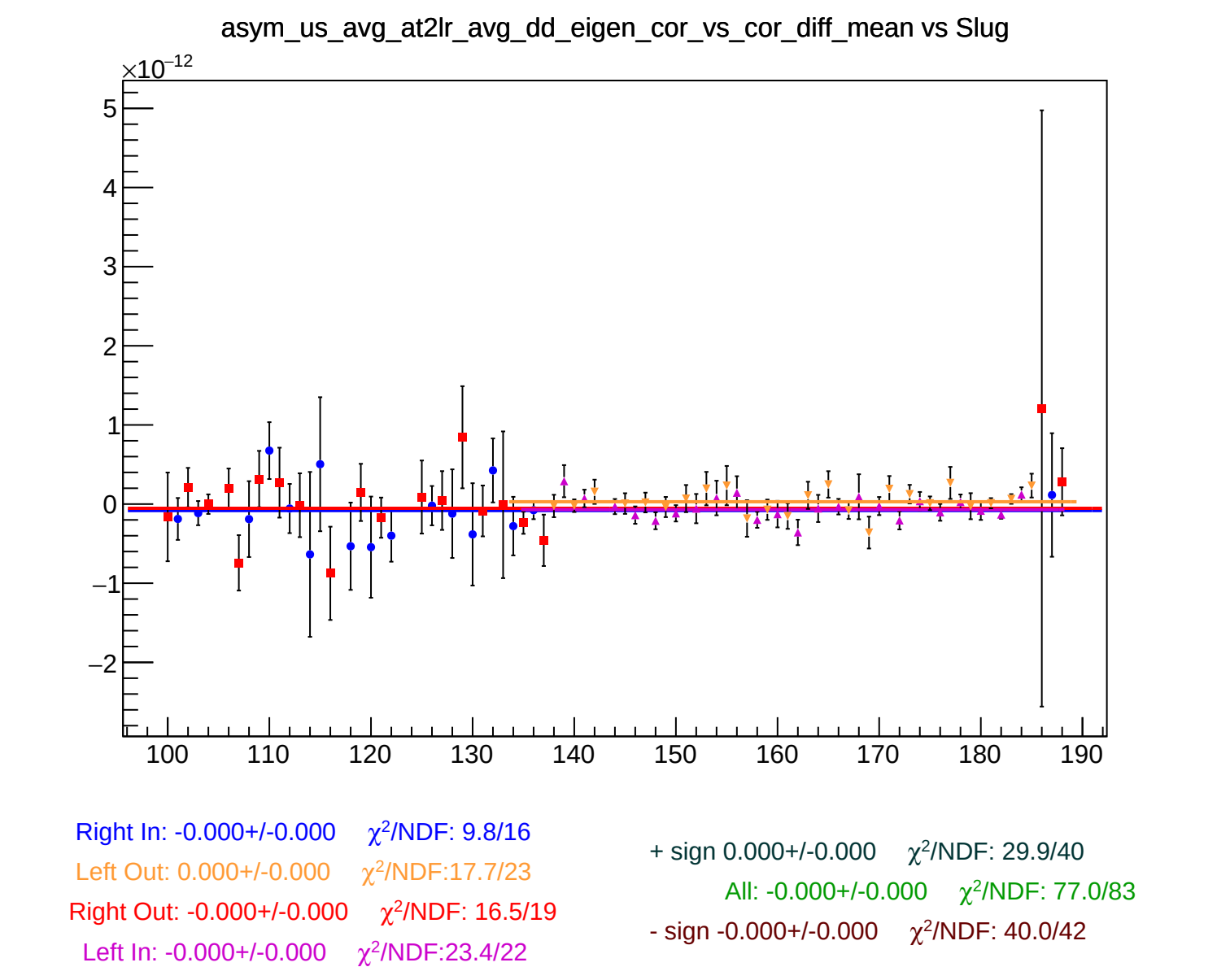
Right In: 265.785+/-0.074 χ²/NDF: 1296036.6/16
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 199.081+/-0.055 χ²/NDF: 2705125.8/19
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 367.806+/-0.058 χ²/NDF: 10364058.1/40
All: 317.515+/-0.037 χ²/NDF: 27087284.7/83
- sign 284.126+/-0.047 χ²/NDF: 15477382.4/42


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
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3
2
1
0
−1
−2
100
110
120
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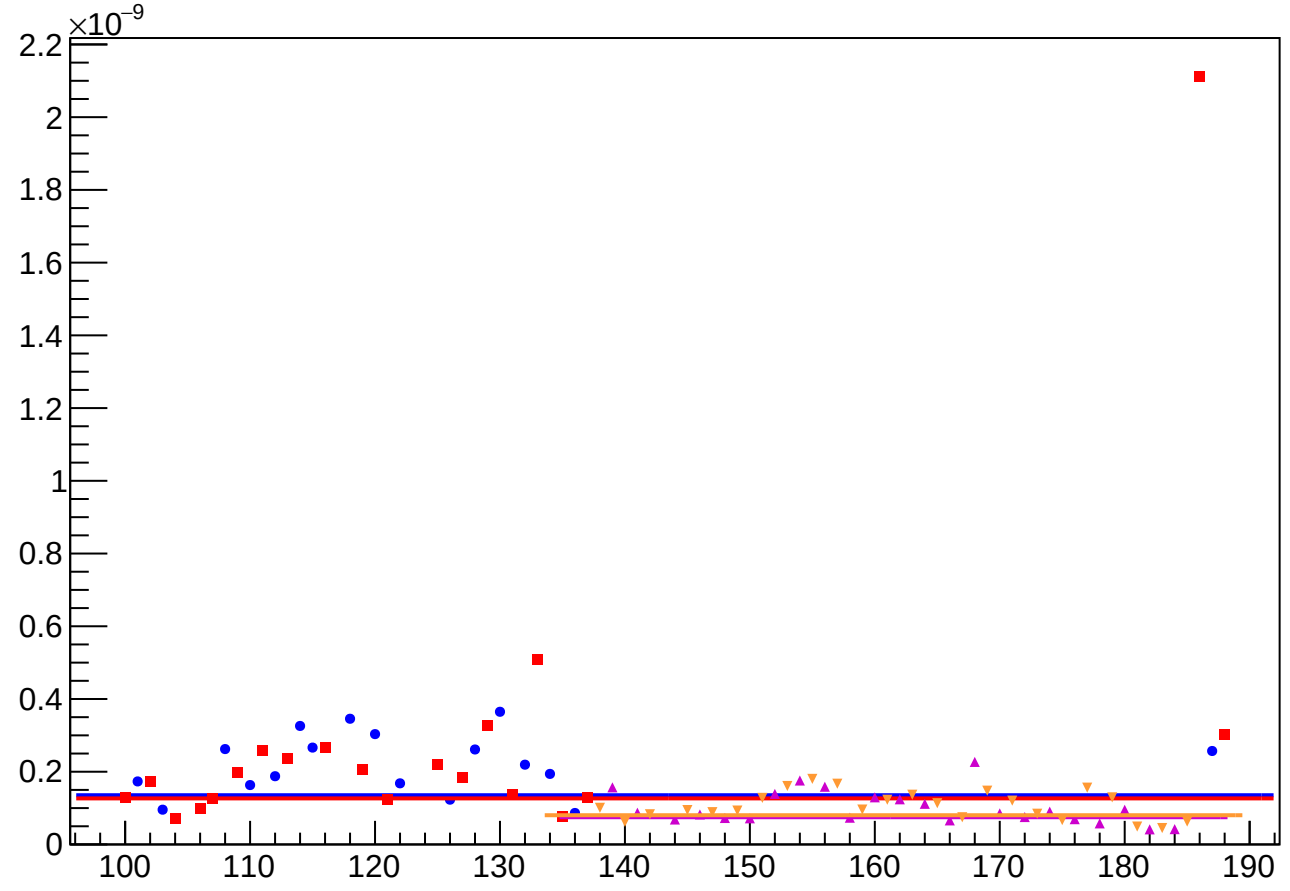
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 9.8/16
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 16.5/19
Left In: -0.000+/-0.000 χ²/NDF:23.4/22
+ sign 0.000+/-0.000 χ²/NDF: 29.9/40
All: -0.000+/-0.000 χ²/NDF: 77.0/83
- sign -0.000+/-0.000 χ²/NDF: 40.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 1863922.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2907799.5/19

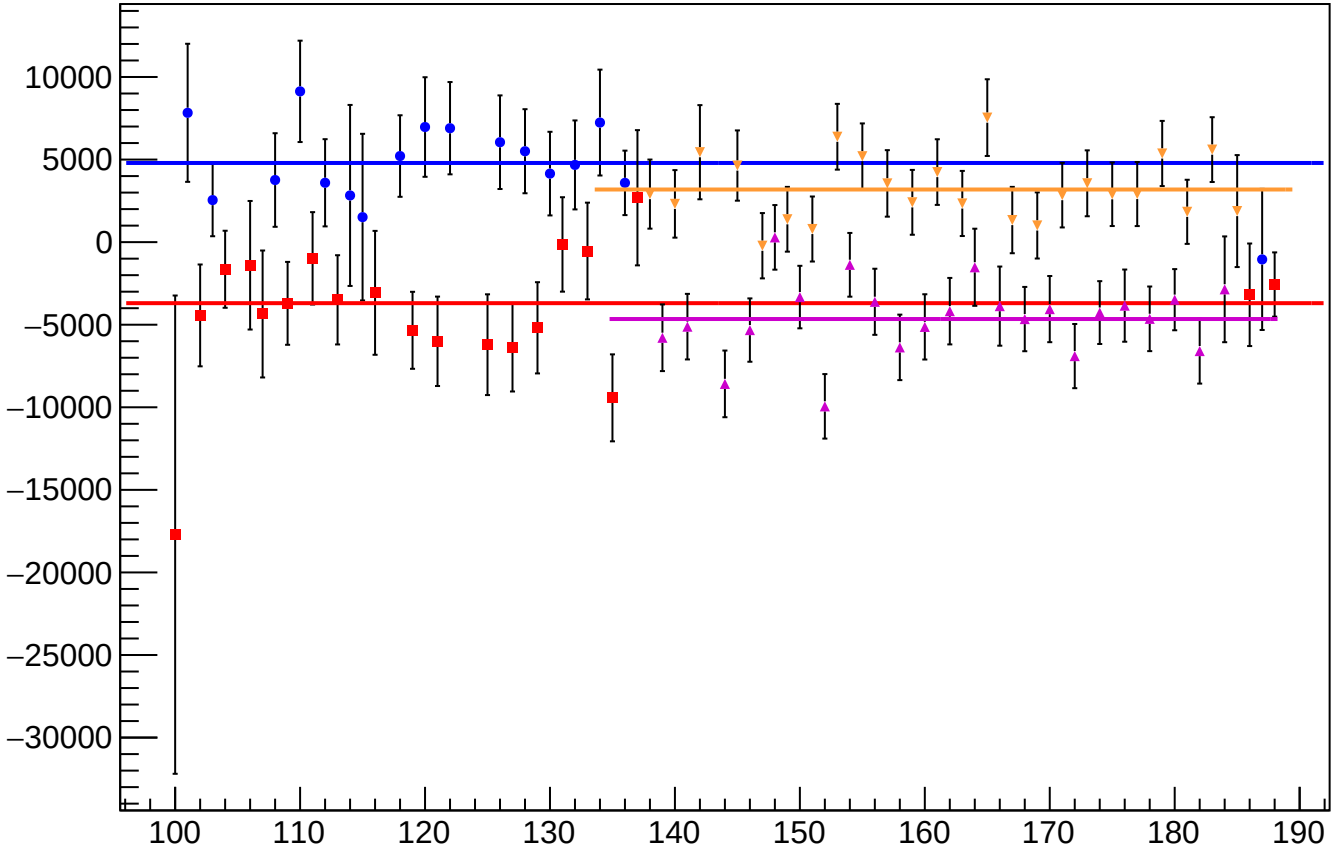
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6733347.4/40

All: 0.000+/-0.000 χ^2/NDF: 14531803.5/83

- sign 0.000+/-0.000 χ^2/NDF: 7736096.6/42

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4793.996+/-689.767 χ^2/NDF: 8.8/16

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3695.154+/-641.012 χ^2/NDF: 16.6/19

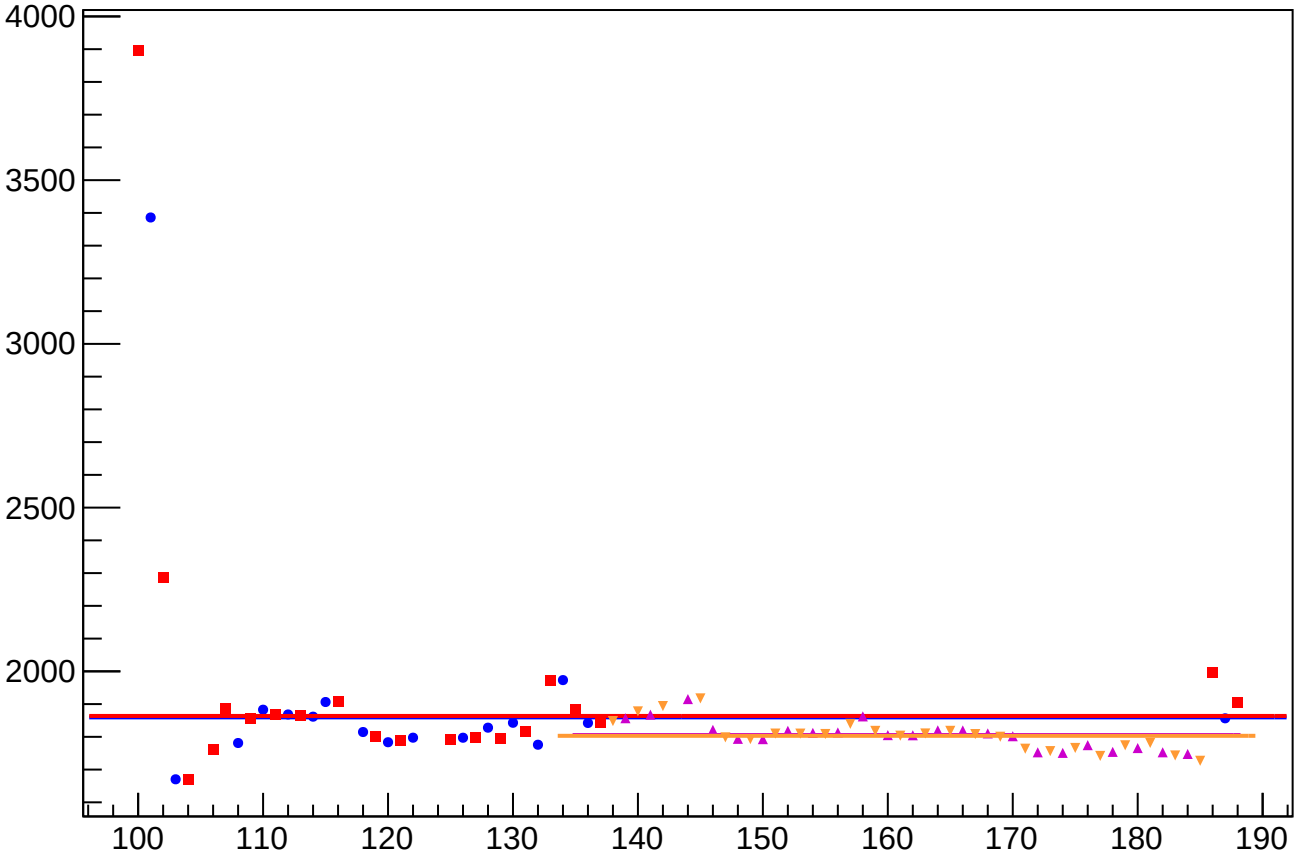
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3619.663+/-357.869 χ^2/NDF: 32.6/40

All: -435.444+/-251.058 χ^2/NDF: 331.3/83

- sign -4365.221+/-352.295 χ^2/NDF: 45.9/42

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.433+/-0.488 χ^2/NDF: 292335.5/16

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

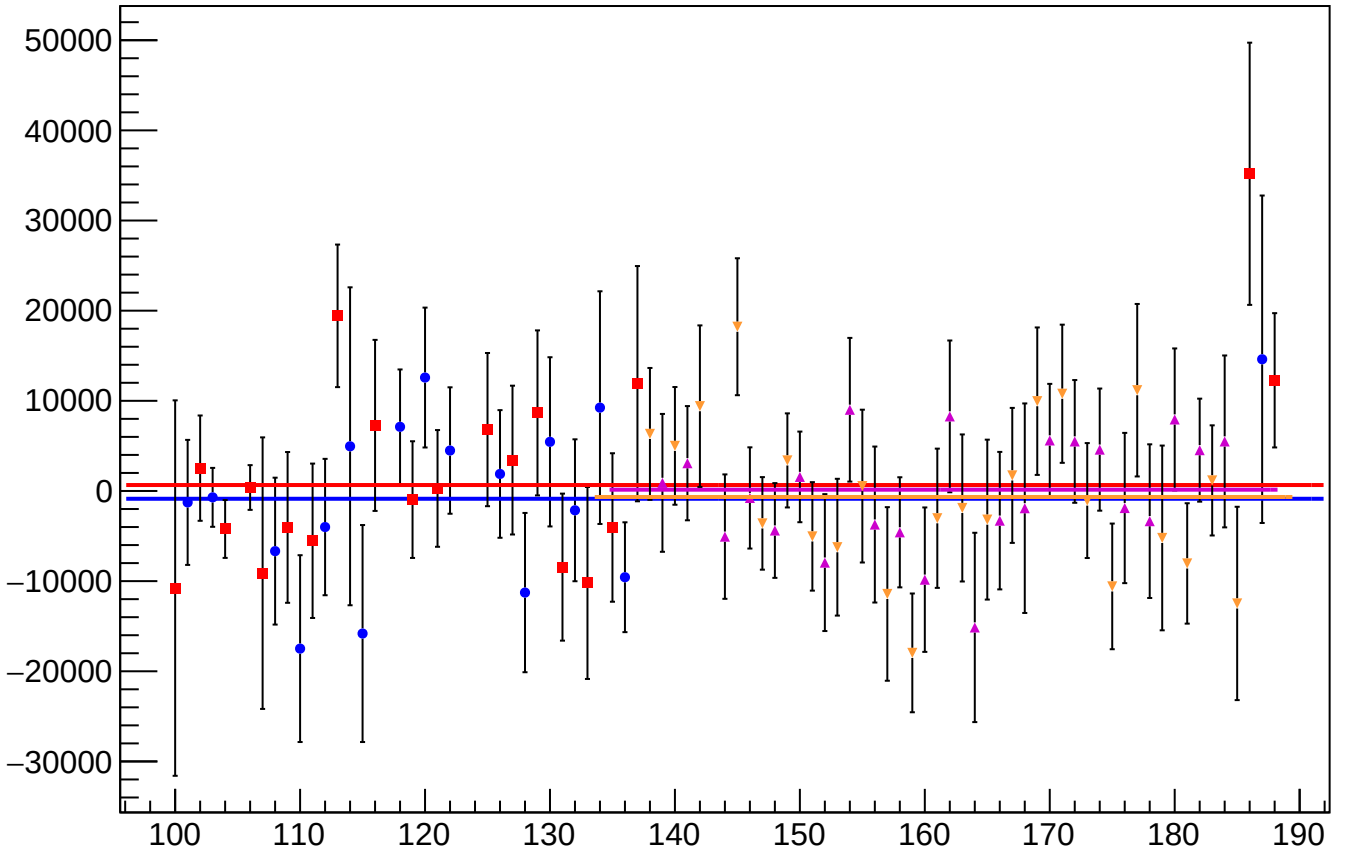
Right Out: 1863.787+/-0.452 χ^2/NDF: 107319.0/19

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1818.274+/-0.253 χ^2/NDF: 322720.6/40

All: 1820.783+/-0.177 χ^2/NDF: 461107.3/83

- sign 1823.210+/-0.249 χ^2/NDF: 138193.5/42



Right In: -864.252+/-1755.915 χ^2/NDF: 15.5/16

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

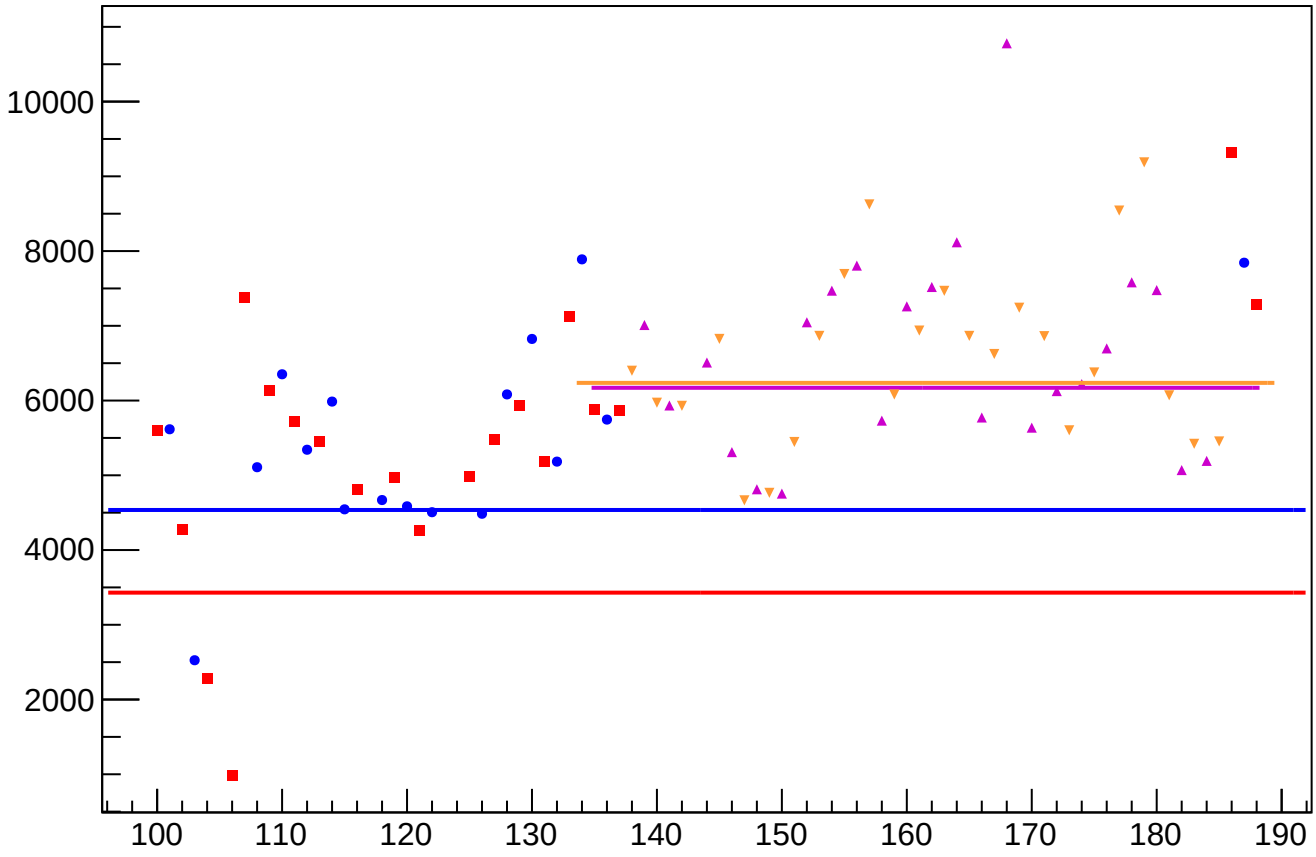
Right Out: 659.921+/-1405.795 χ^2/NDF: 23.0/19

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -748.993+/-1131.107 χ^2/NDF: 45.3/40

All: -105.883+/-756.031 χ^2/NDF: 82.5/83

- sign 413.444+/-1016.440 χ^2/NDF: 36.6/42



Right In: 4536.008+/-1.242 χ^2/NDF: 1388104.4/16

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 3430.071+/-0.994 χ^2/NDF: 4859614.6/19

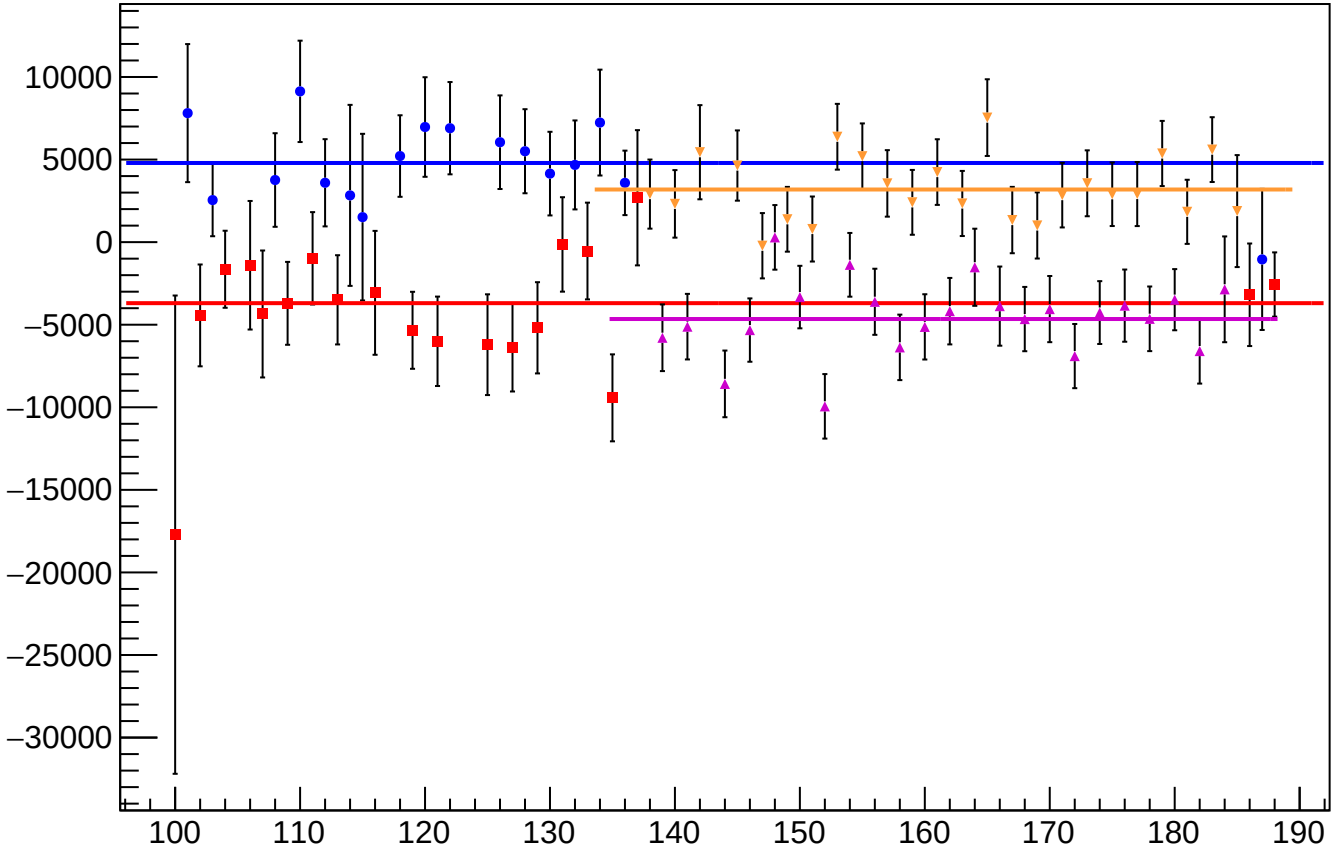
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5530.953+/-0.800 χ^2/NDF: 3553331.9/40

All: 5092.256+/-0.535 χ^2/NDF: 13822016.3/8

- sign 4737.998+/-0.719 χ^2/NDF: 9724889.7/42

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4793.534+/-689.767 χ^2/NDF: 8.8/16

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3694.926+/-641.012 χ^2/NDF: 16.6/19

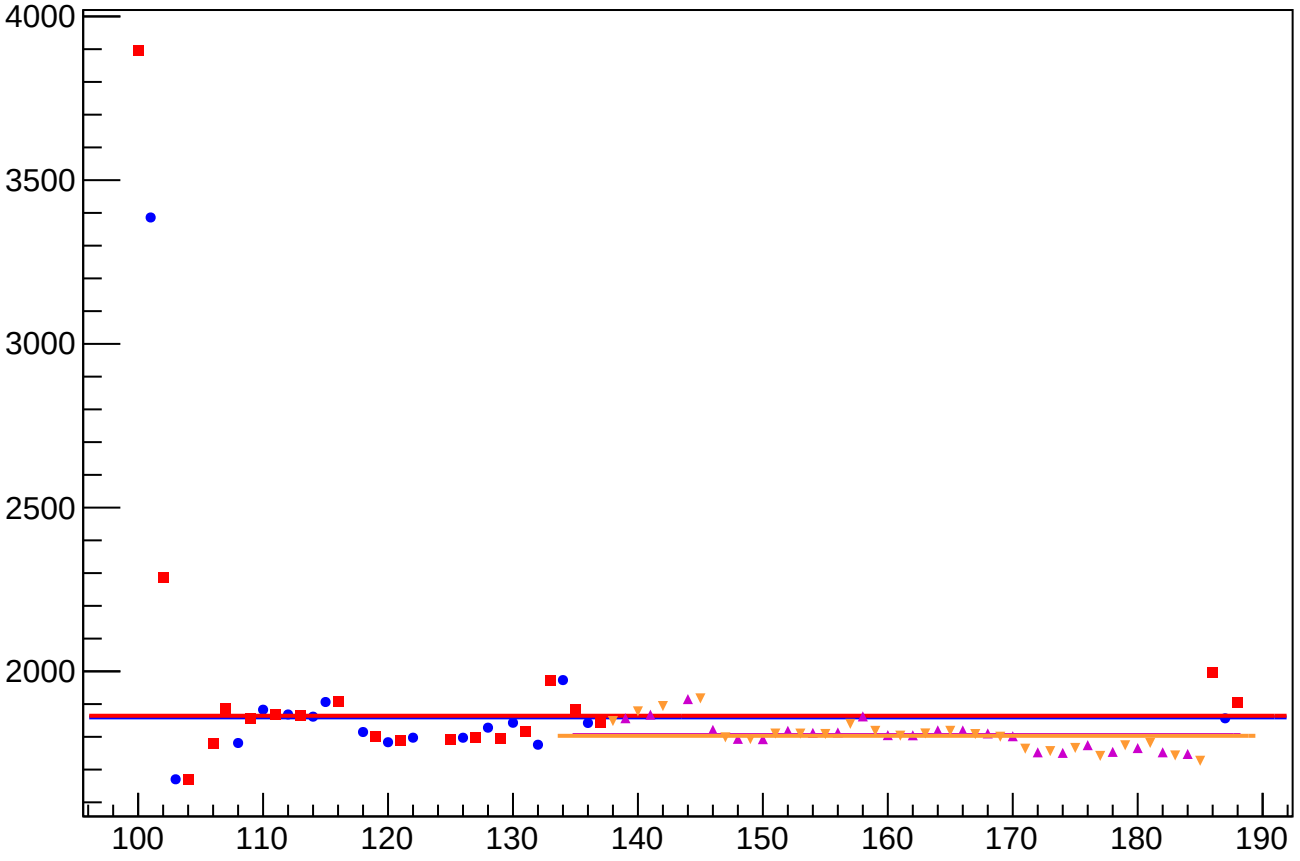
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3619.488+/-357.869 χ^2/NDF: 32.6/40

All: -435.502+/-251.058 χ^2/NDF: 331.3/83

- sign -4365.165+/-352.295 χ^2/NDF: 45.9/42

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.433+/-0.488 χ^2/NDF: 292337.4/16

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

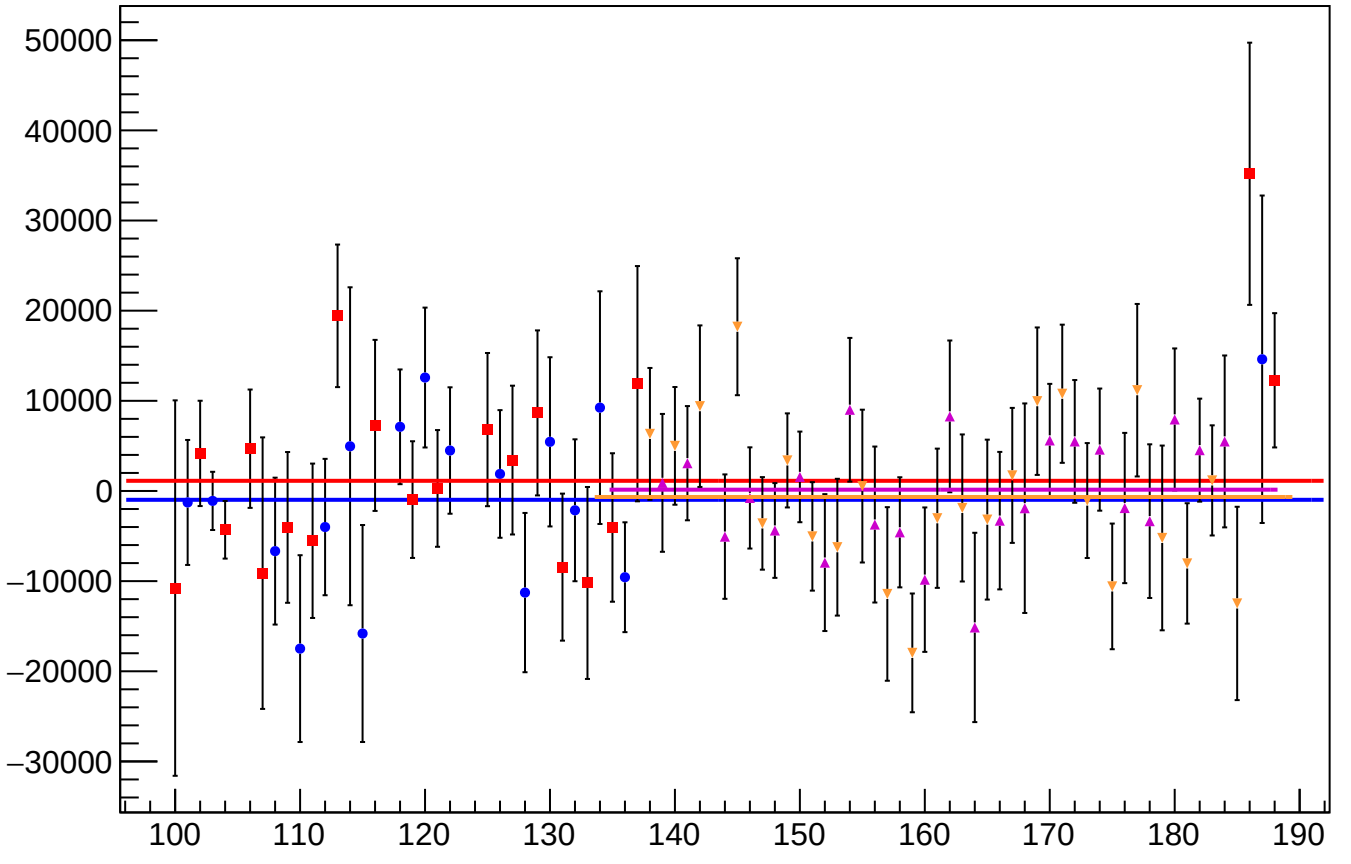
Right Out: 1864.392+/-0.452 χ^2/NDF: 106788.2/19

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.274+/-0.253 χ^2/NDF: 322722.4/40

All: 1820.872+/-0.177 χ^2/NDF: 460829.7/83

- sign 1823.387+/-0.249 χ^2/NDF: 137899.9/42



Right In: -979.498+/-1749.699 χ^2/NDF: 15.5/16

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

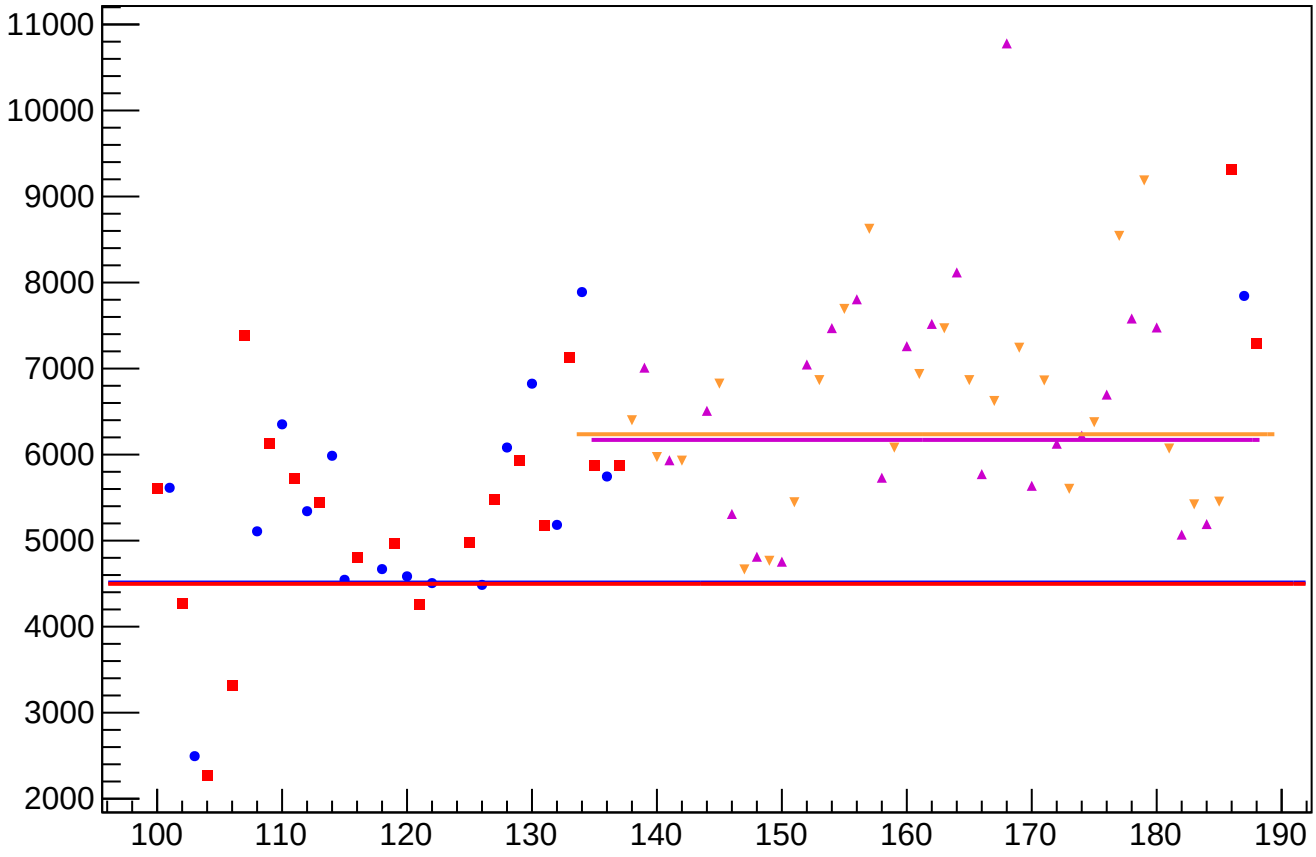
Right Out: 1127.570+/-1648.934 χ^2/NDF: 23.6/19

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -797.354+/-1129.440 χ^2/NDF: 45.3/40

All: -89.326+/-787.227 χ^2/NDF: 83.4/83

- sign 579.644+/-1097.846 χ^2/NDF: 37.4/42


asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug
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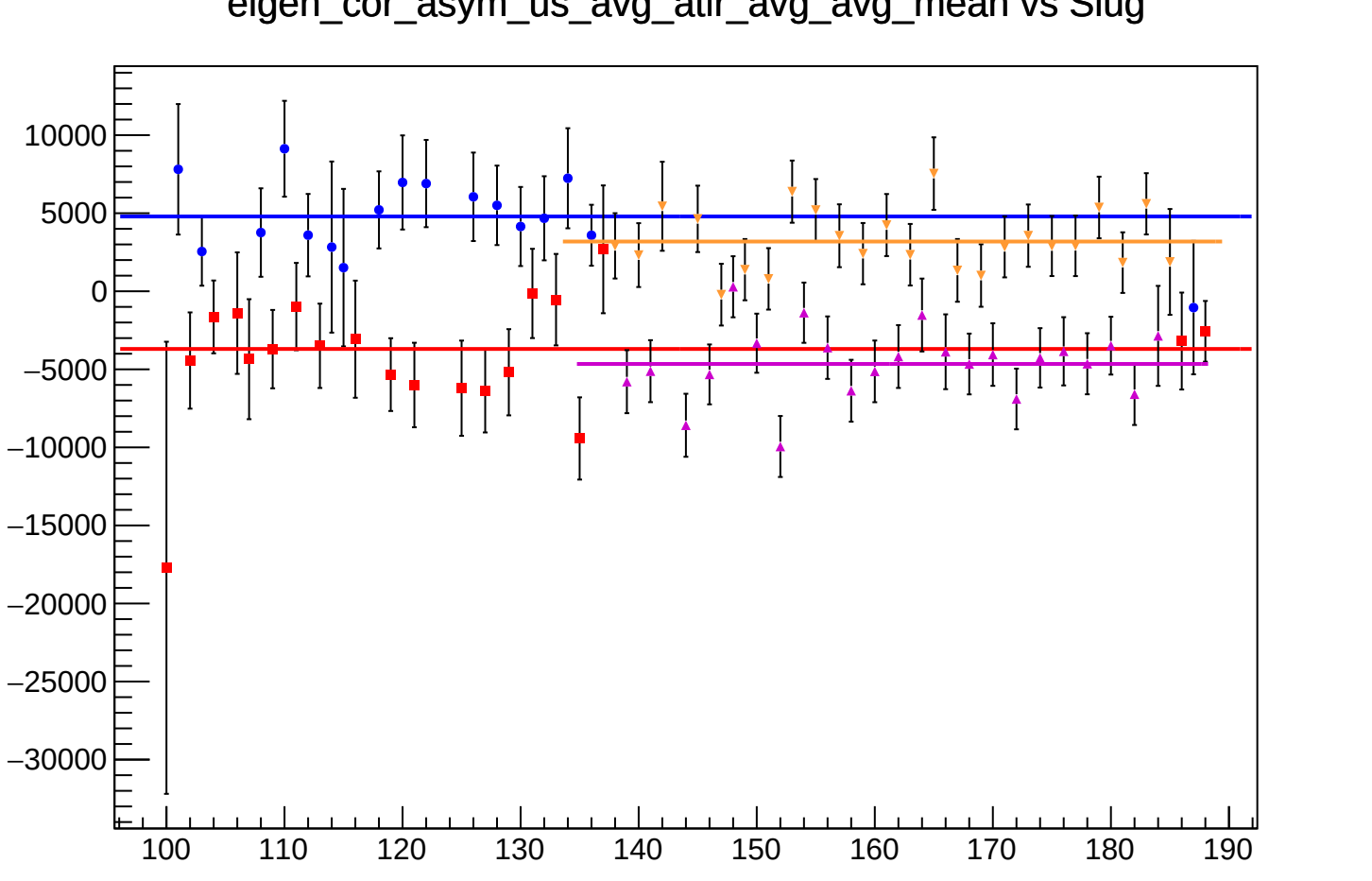
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 4512.733+/-1.237 χ²/NDF: 1430197.0/16
Left Out: 6236.635+/-1.046 χ²/NDF:1067665.4/23
Right Out: 4497.873+/-1.166 χ²/NDF: 2080840.0/19
Left In: 6170.789+/-1.040 χ²/NDF:1237564.5/22
+ sign 5518.324+/-0.799 χ²/NDF: 3630359.9/40
All: 5472.509+/-0.557 χ²/NDF: 8101232.6/83
- sign 5429.222+/-0.776 χ²/NDF: 4464472.4/42



Right In: 4793.534+/-689.767 χ^2/NDF: 8.8/16

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3694.926+/-641.012 χ^2/NDF: 16.6/19

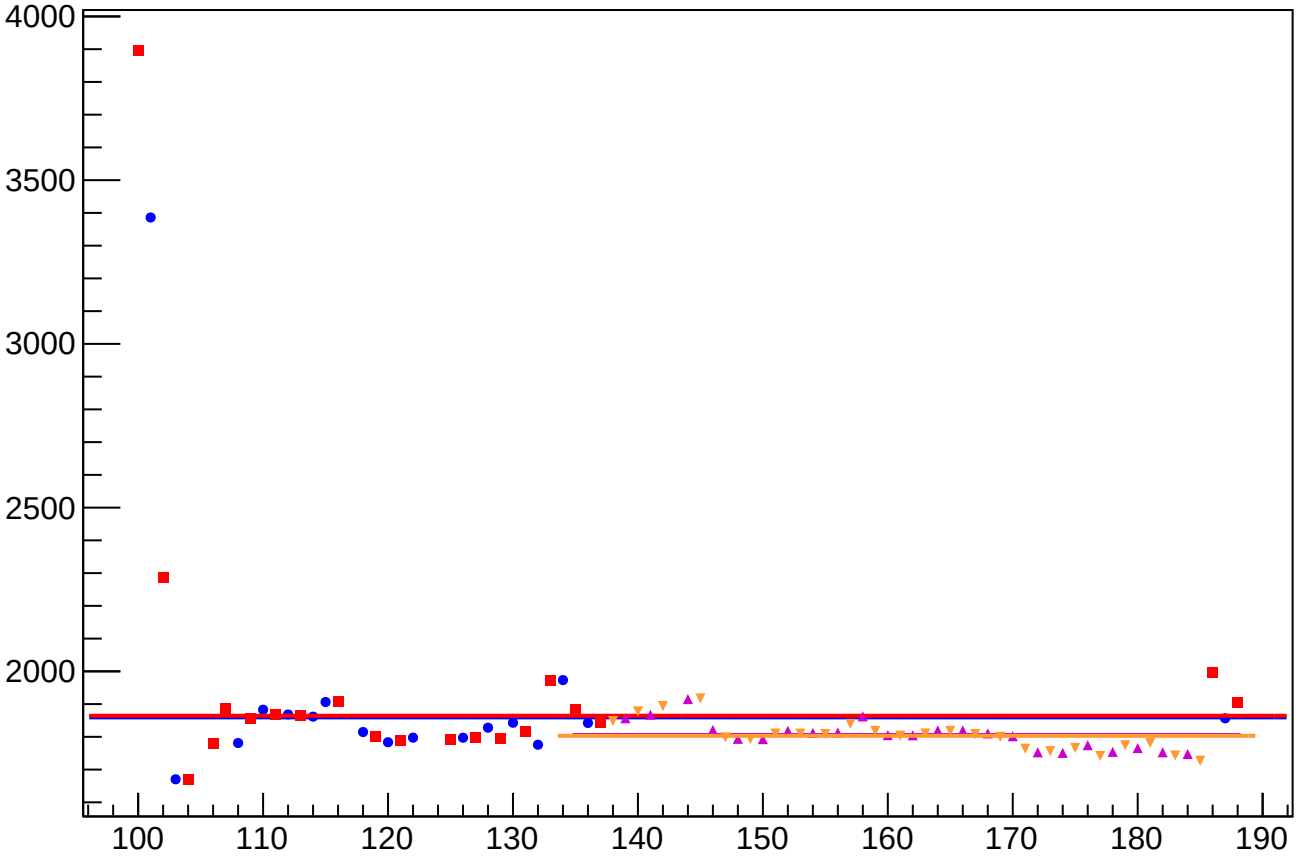
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3619.488+/-357.869 χ^2/NDF: 32.6/40

All: -435.502+/-251.058 χ^2/NDF: 331.3/83

- sign -4365.165+/-352.295 χ^2/NDF: 45.9/42

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.433+/-0.488 χ^2/NDF: 292337.4/16

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

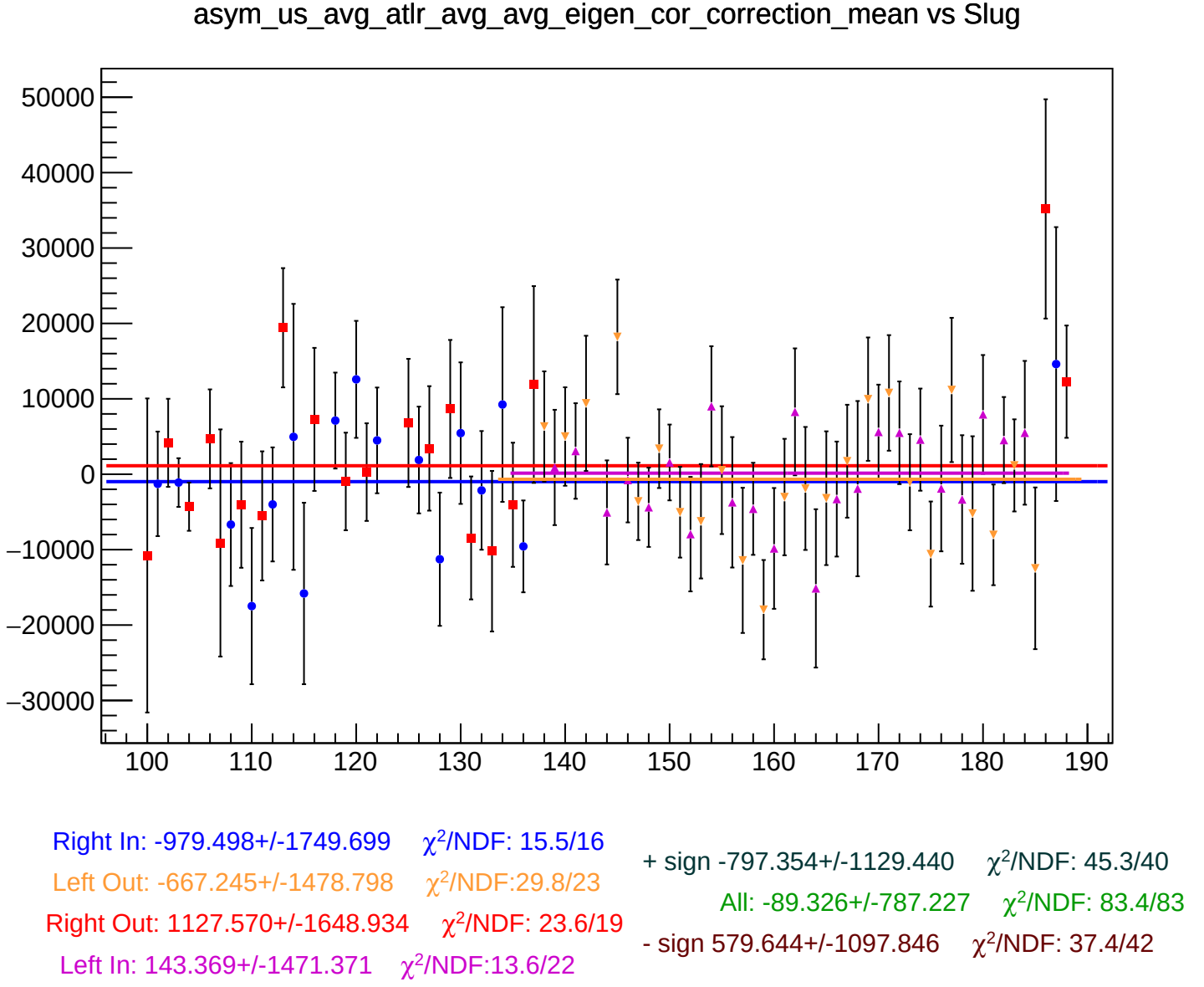
Right Out: 1864.392+/-0.452 χ^2/NDF: 106788.2/19

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.274+/-0.253 χ^2/NDF: 322722.4/40

All: 1820.872+/-0.177 χ^2/NDF: 460829.7/83

- sign 1823.387+/-0.249 χ^2/NDF: 137899.9/42


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
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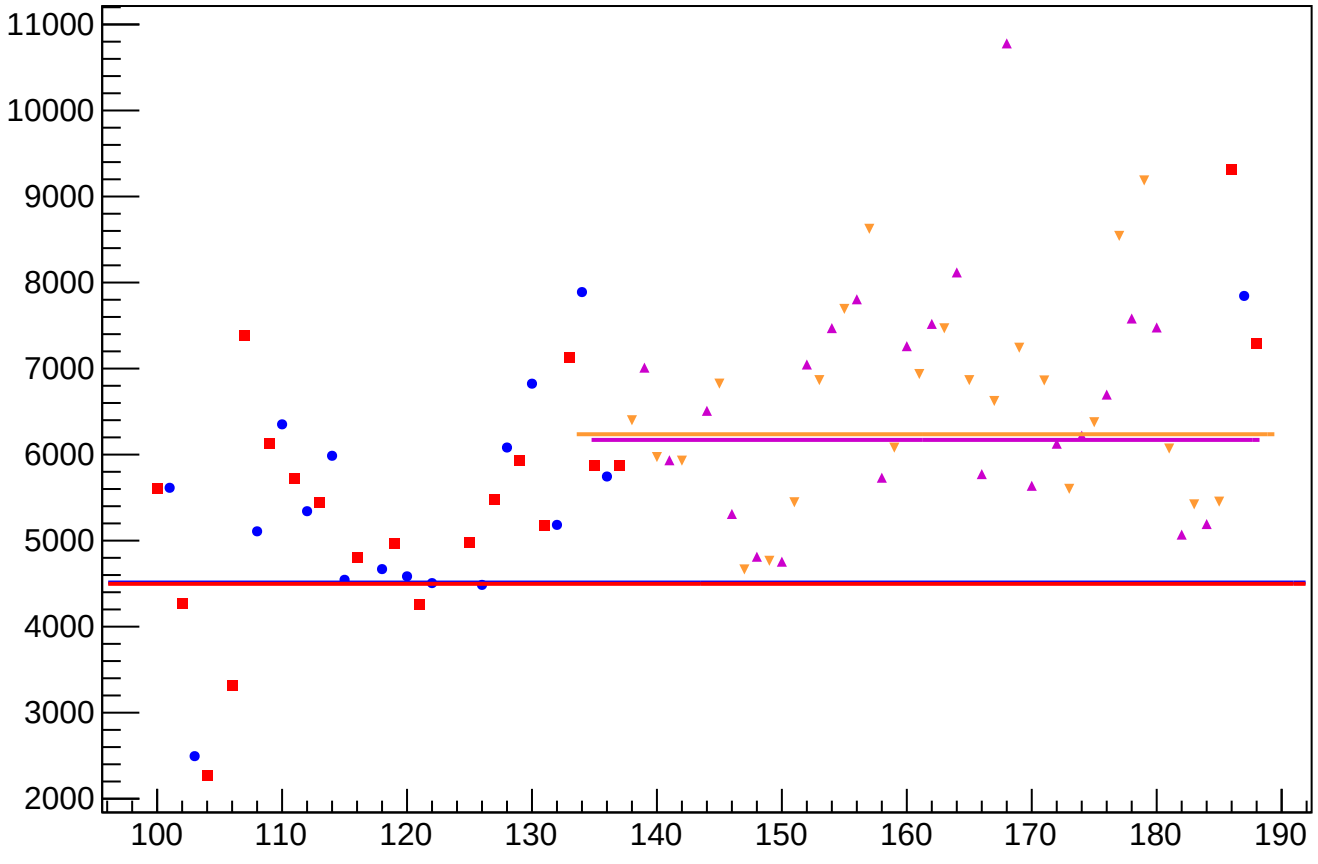
170
180
190
Right In: -979.498+/-1749.699 χ²/NDF: 15.5/16
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 1127.570+/-1648.934 χ²/NDF: 23.6/19
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -797.354+/-1129.440 χ²/NDF: 45.3/40
All: -89.326+/-787.227 χ²/NDF: 83.4/83
- sign 579.644+/-1097.846 χ²/NDF: 37.4/42



Right In: 4512.733+/-1.237 χ^2/NDF: 1430197.0/16

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4497.873+/-1.166 χ^2/NDF: 2080840.0/19

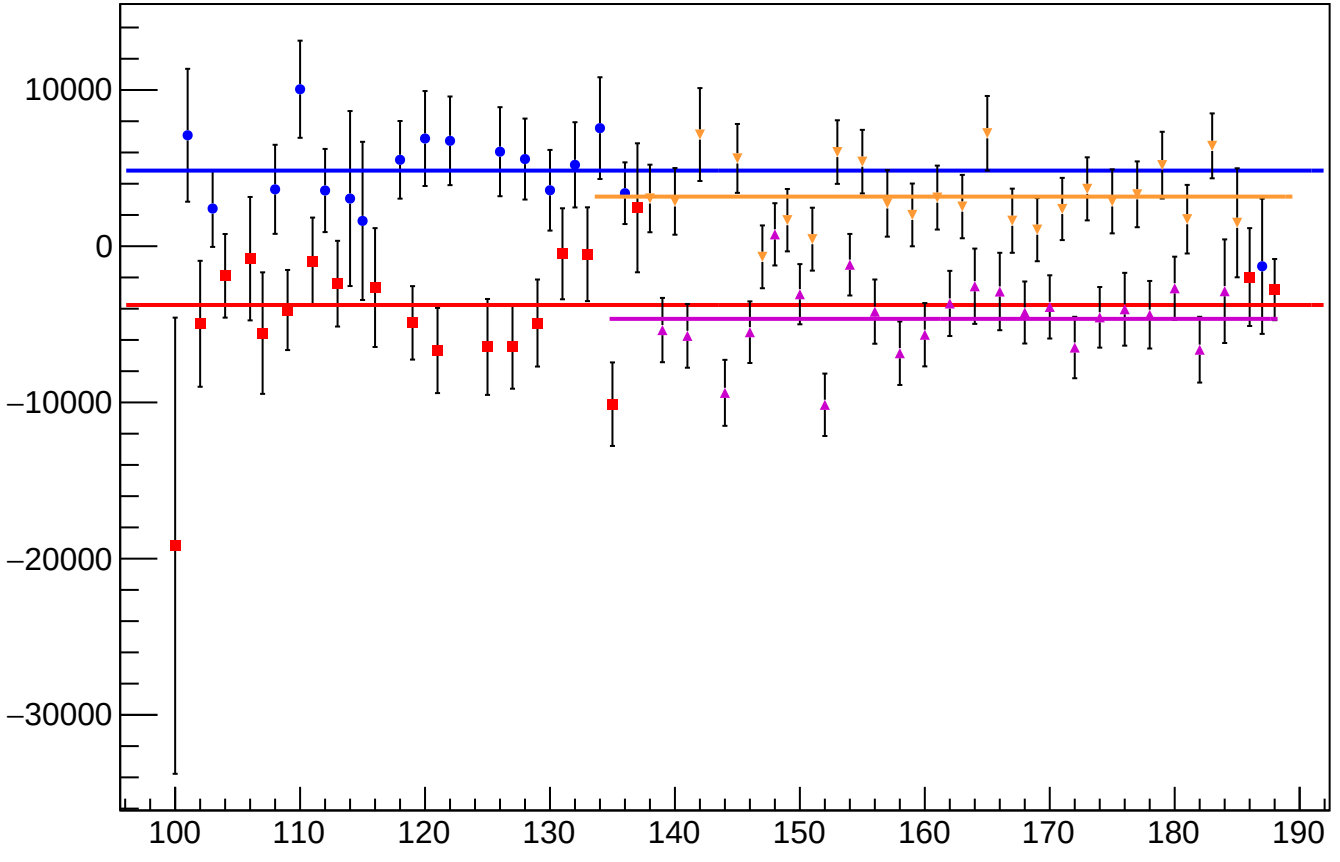
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5518.324+/-0.799 χ^2/NDF: 3630359.9/40

All: 5472.509+/-0.557 χ^2/NDF: 8101232.6/83

- sign 5429.222+/-0.776 χ^2/NDF: 4464472.4/42

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4840.582+/-704.537 χ^2/NDF: 9.7/16

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3762.109+/-659.792 χ^2/NDF: 18.1/19

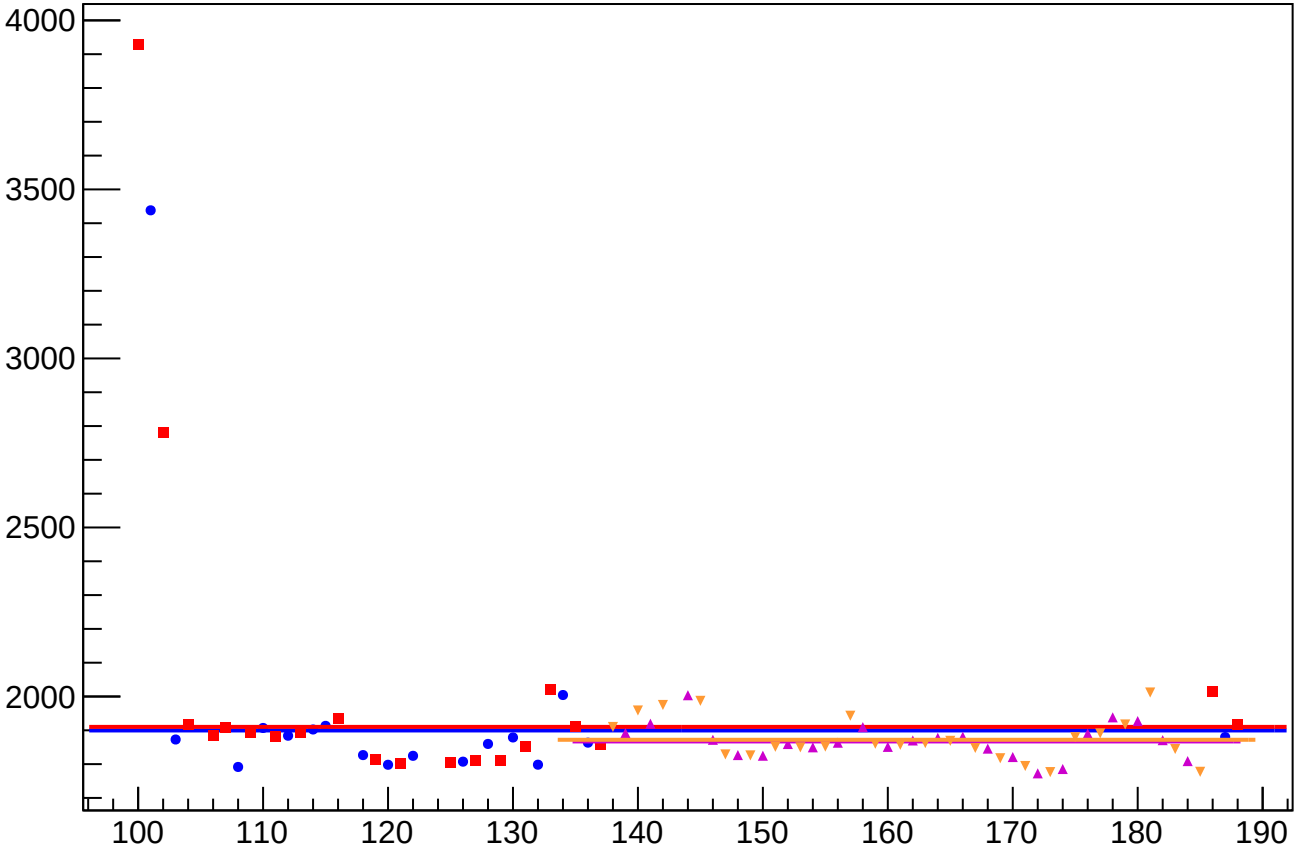
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3634.092+/-370.020 χ^2/NDF: 35.3/40

All: -440.262+/-259.441 χ^2/NDF: 323.7/83

- sign -4380.277+/-363.868 χ^2/NDF: 49.9/42

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1899.580+/-0.498 χ^2/NDF: 278490.1/16

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

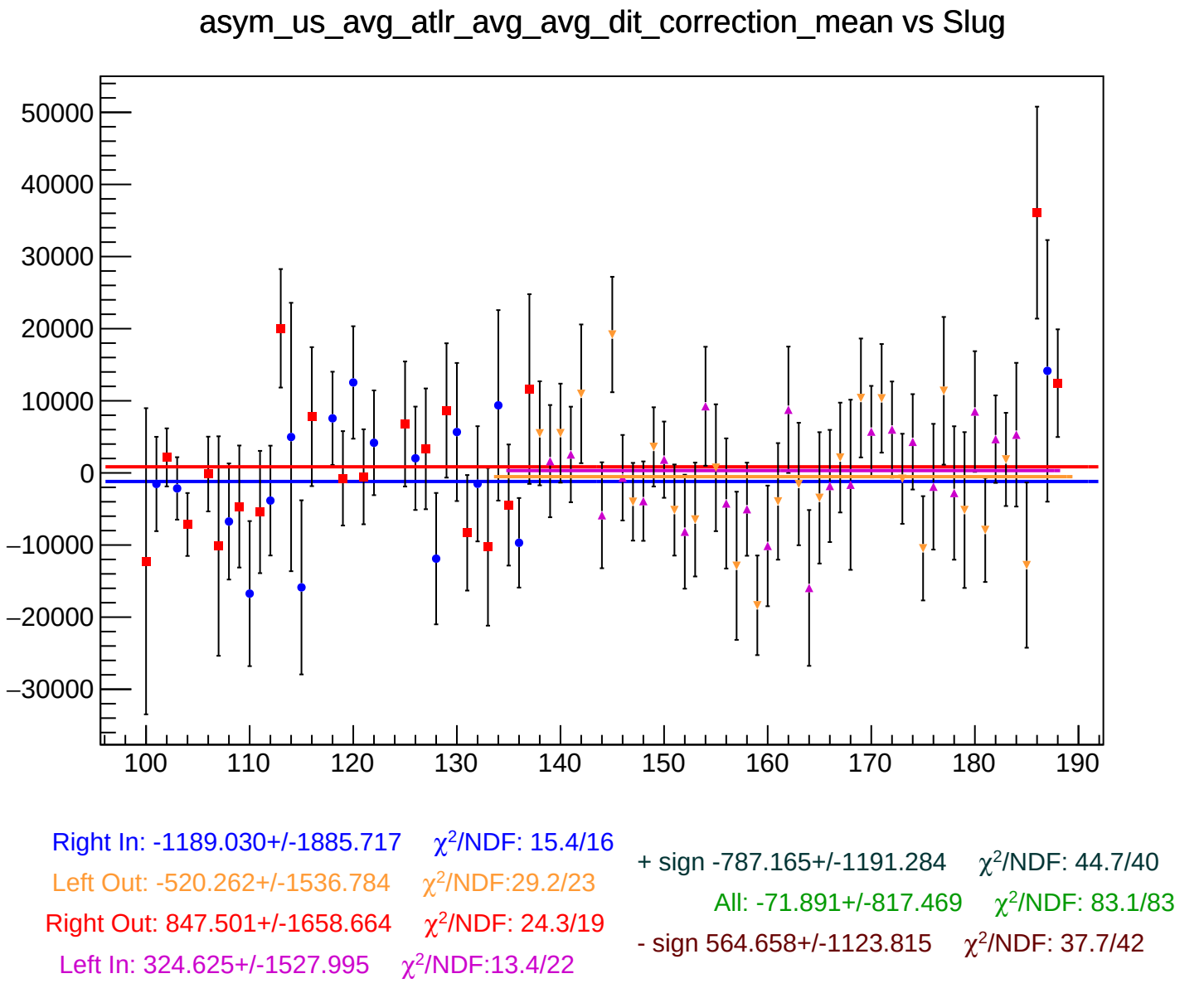
Right Out: 1910.146+/-0.466 χ^2/NDF: 152511.8/19

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1879.592+/-0.262 χ^2/NDF: 317867.6/40

All: 1879.898+/-0.183 χ^2/NDF: 503566.1/83

- sign 1880.194+/-0.257 χ^2/NDF: 185695.8/42


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug
50000
40000
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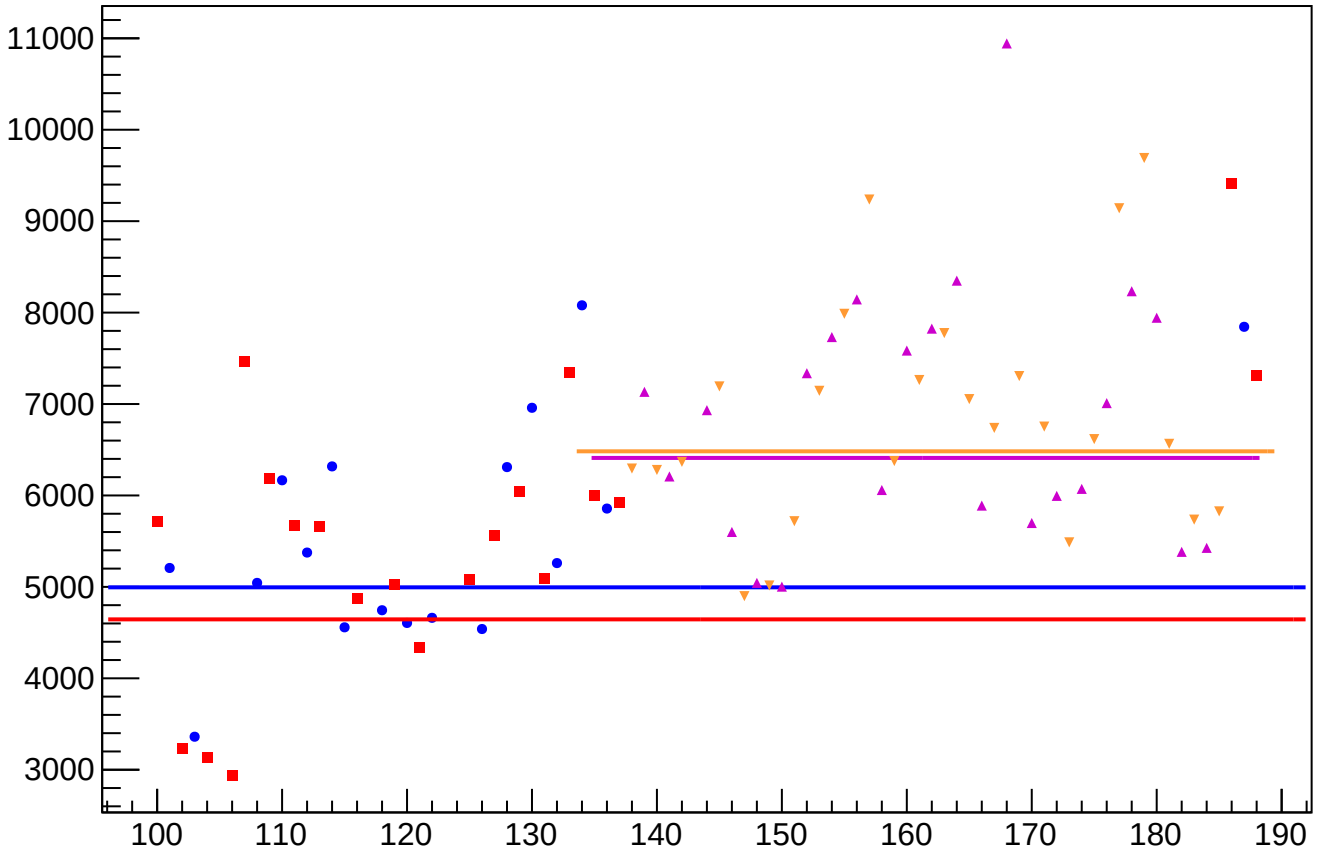
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1189.030+/-1885.717 χ²/NDF: 15.4/16
Left Out: -520.262+/-1536.784 χ²/NDF:29.2/23
Right Out: 847.501+/-1658.664 χ²/NDF: 24.3/19
Left In: 324.625+/-1527.995 χ²/NDF:13.4/22
+ sign -787.165+/-1191.284 χ²/NDF: 44.7/40
All: -71.891+/-817.469 χ²/NDF: 83.1/83
- sign 564.658+/-1123.815 χ²/NDF: 37.7/42



Right In: 4995.130+/-1.333 χ^2/NDF: 677270.7/16

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

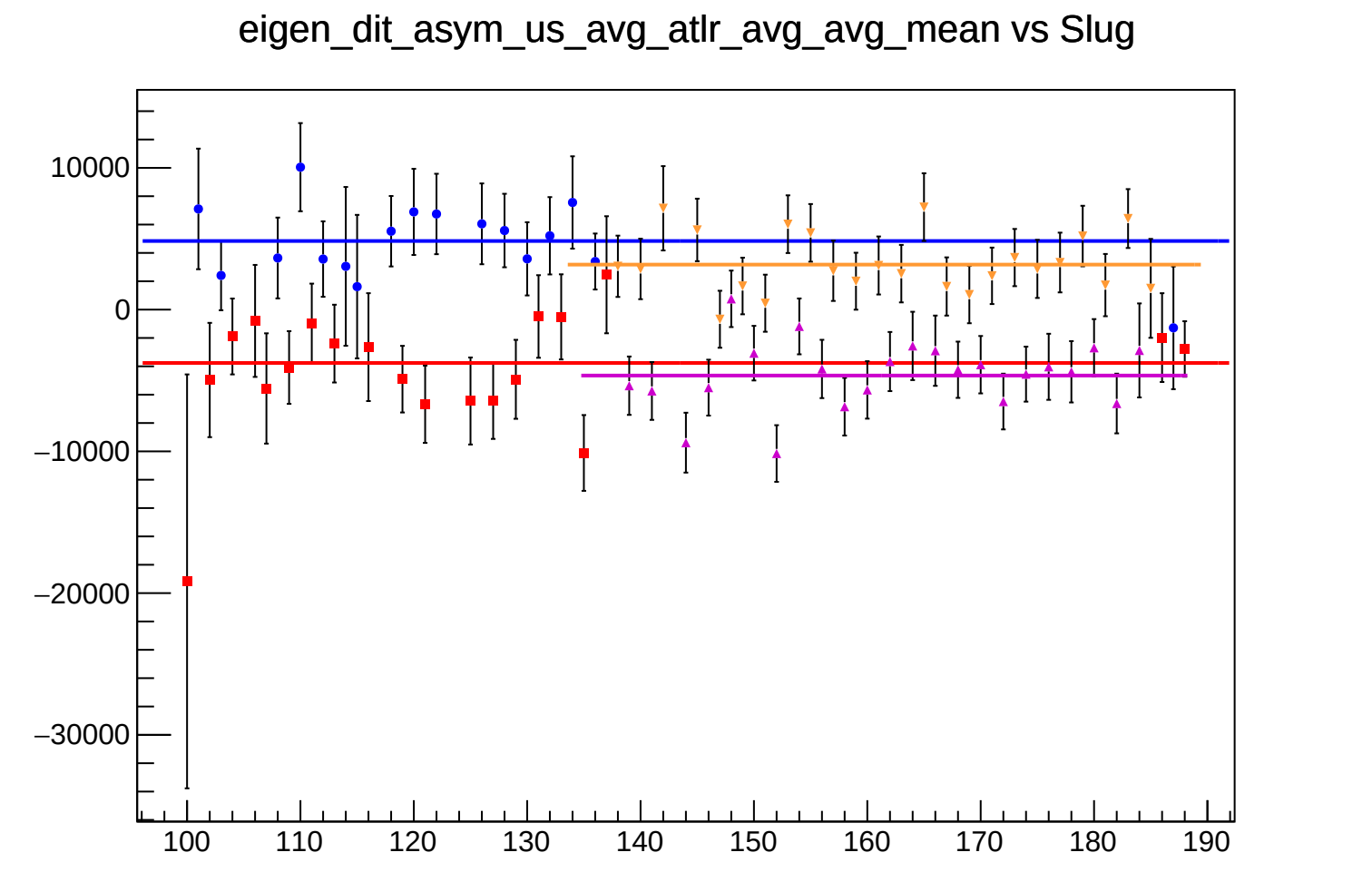
Right Out: 4644.731+/-1.173 χ^2/NDF: 1652772.3/19

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 5889.034+/-0.842 χ^2/NDF: 2499773.6/40

All: 5736.024+/-0.578 χ^2/NDF: 6660723.0/83

- sign 5599.855+/-0.795 χ^2/NDF: 4098592.4/42



Right In: 4840.581+/-704.536 χ^2/NDF: 9.7/16

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3762.108+/-659.792 χ^2/NDF: 18.1/19

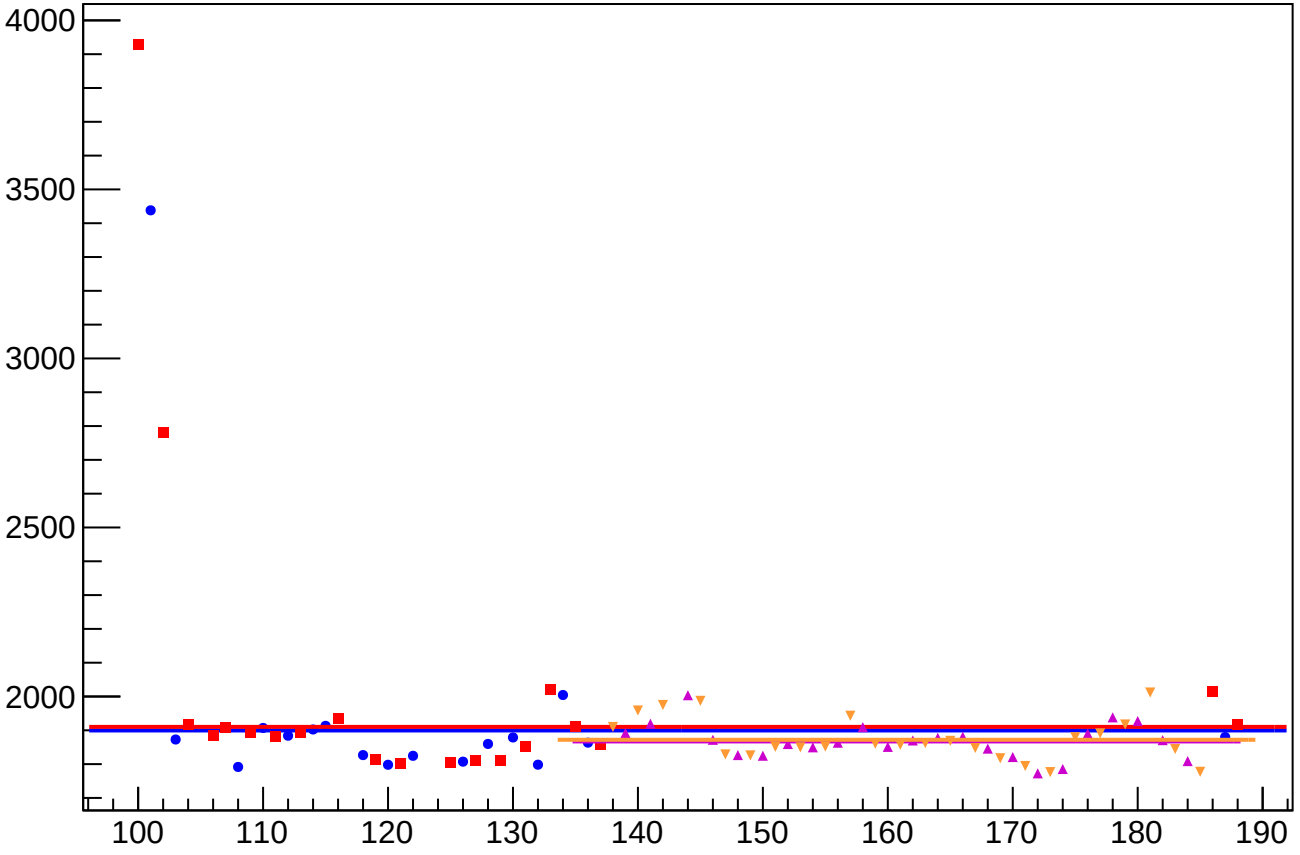
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3634.088+/-370.020 χ^2/NDF: 35.3/40

All: -440.264+/-259.441 χ^2/NDF: 323.7/83

- sign -4380.277+/-363.869 χ^2/NDF: 49.9/42

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1899.579+/-0.498 χ^2/NDF: 278490.3/16

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

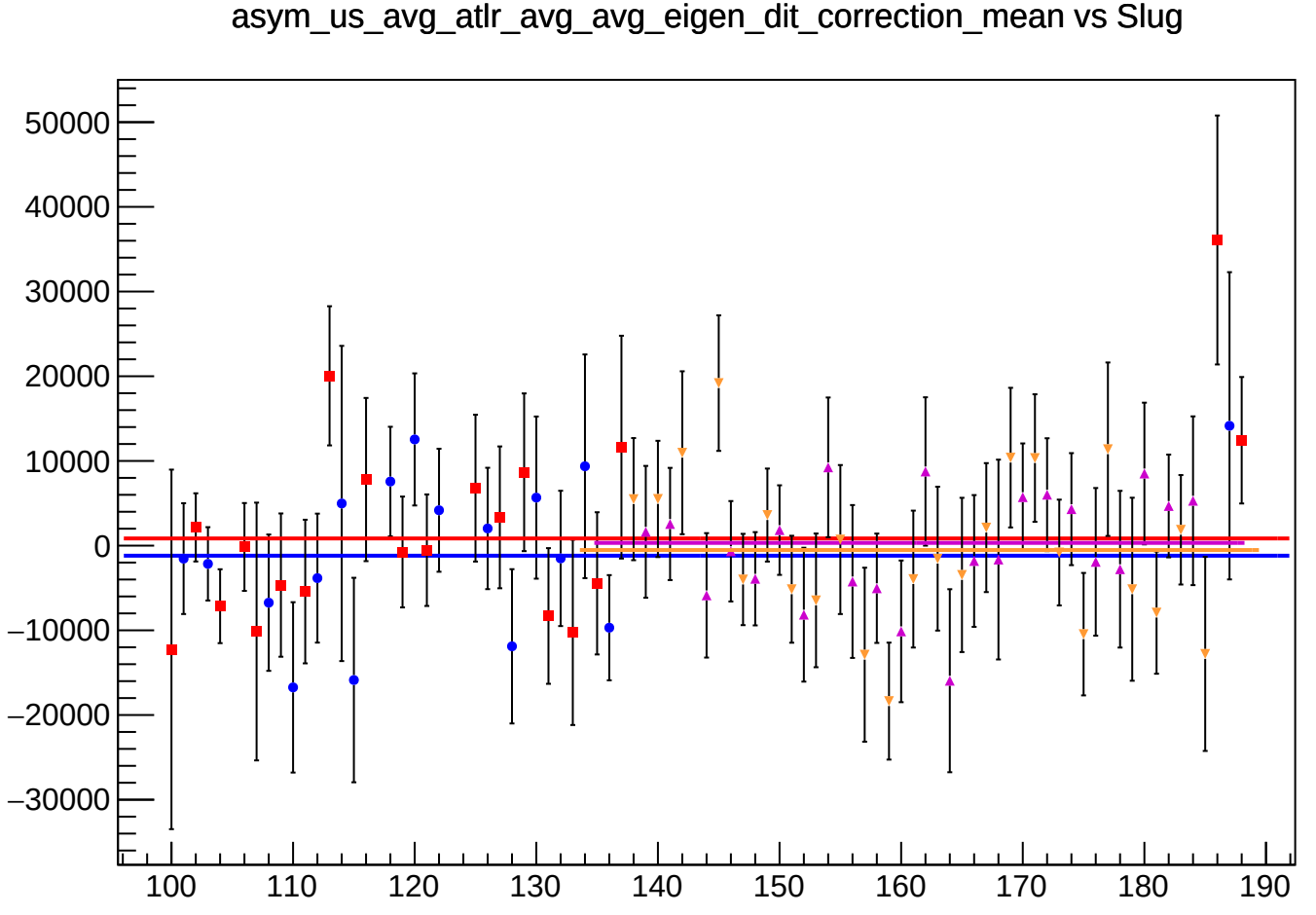
Right Out: 1910.146+/-0.466 χ^2/NDF: 152511.1/19

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1879.593+/-0.262 χ^2/NDF: 317868.6/40

All: 1879.899+/-0.183 χ^2/NDF: 503566.9/83

- sign 1880.195+/-0.257 χ^2/NDF: 185695.7/42



Right In: -1189.021+/-1885.712 χ^2/NDF: 15.4/16

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

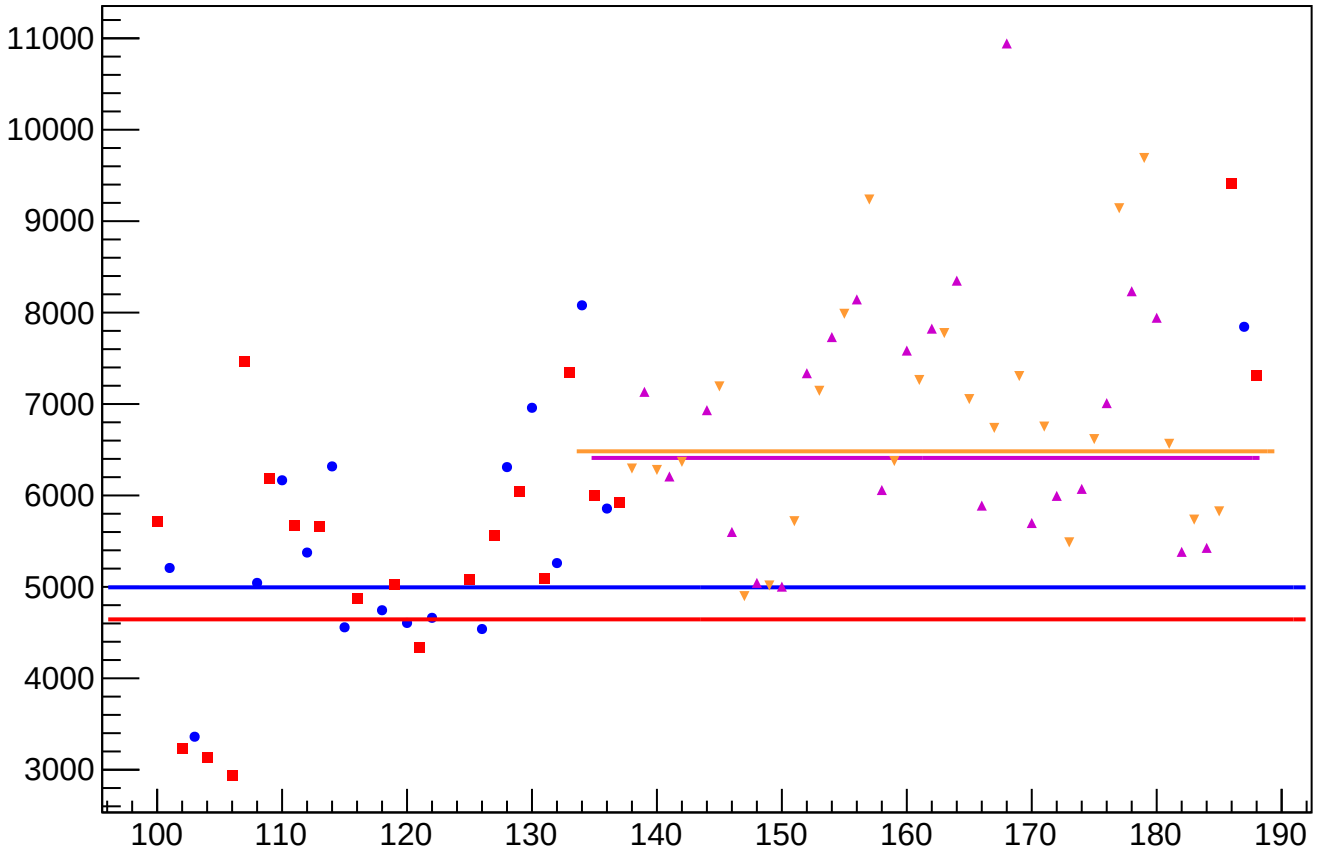
Right Out: 847.494+/-1658.660 χ^2/NDF: 24.3/19

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -787.166+/-1191.284 χ^2/NDF: 44.7/40

All: -71.892+/-817.469 χ^2/NDF: 83.1/83

- sign 564.657+/-1123.815 χ^2/NDF: 37.7/42



Right In: 4995.117+/-1.333 χ^2/NDF: 677273.9/16

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 4644.720+/-1.173 χ^2/NDF: 1652776.4/19

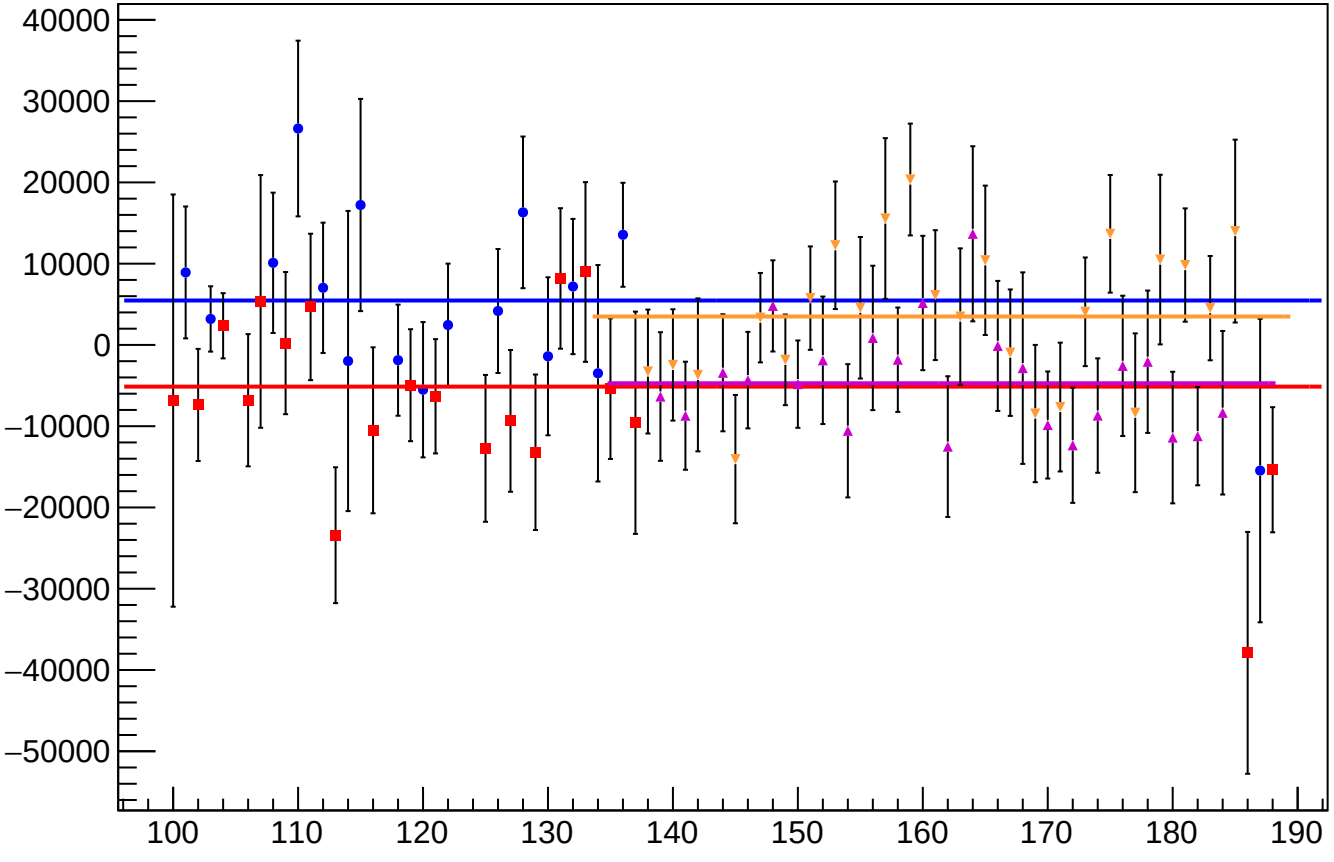
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 5889.033+/-0.842 χ^2/NDF: 2499804.3/40

All: 5736.022+/-0.578 χ^2/NDF: 6660792.8/83

- sign 5599.852+/-0.795 χ^2/NDF: 4098630.9/42

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5466.782+/-1948.516 χ^2/NDF: 13.9/16

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -5131.479+/-1849.053 χ^2/NDF: 23.1/19

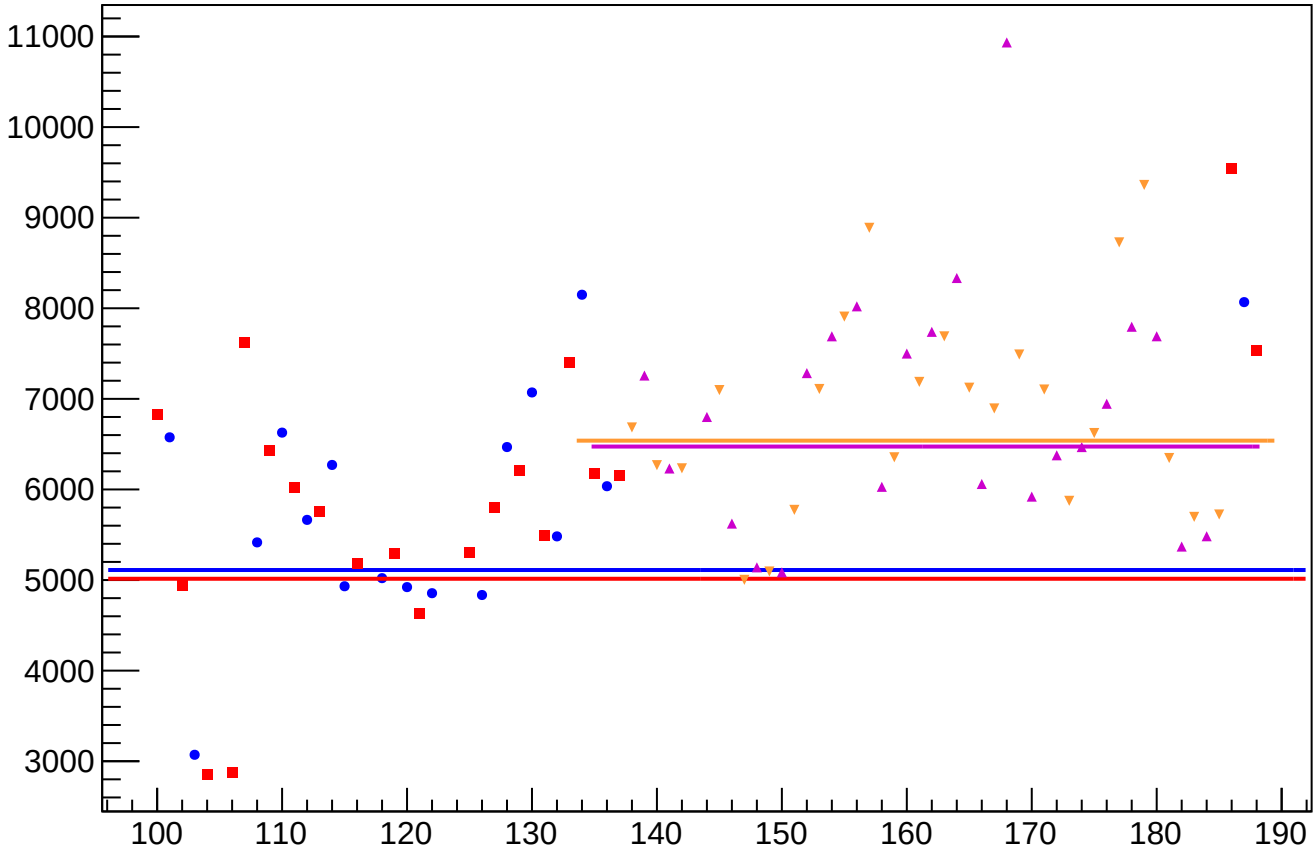
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4257.974+/-1211.021 χ^2/NDF: 42.0/40

All: -422.262+/-846.227 χ^2/NDF: 108.6/83

- sign -4888.144+/-1182.963 χ^2/NDF: 37.4/42

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5110.718+/-1.378 χ^2/NDF: 969935.1/16

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

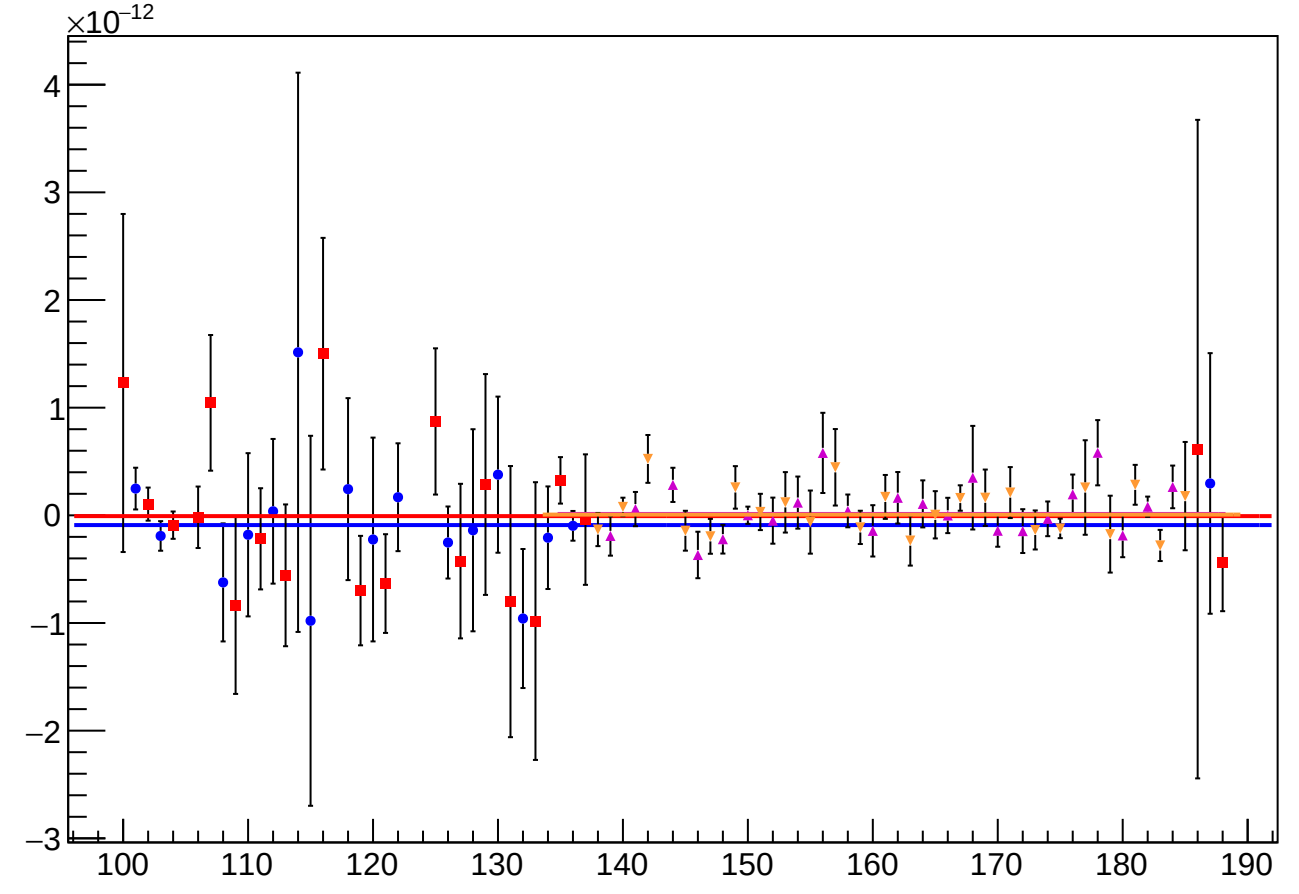
Right Out: 5014.033+/-1.283 χ^2/NDF: 1589604.9/19

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

\+ sign 5987.101+/-0.856 χ^2/NDF: 2549804.1/40

All: 5922.985+/-0.596 χ^2/NDF: 5974508.8/83

\- sign 5862.753+/-0.830 χ^2/NDF: 3413831.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

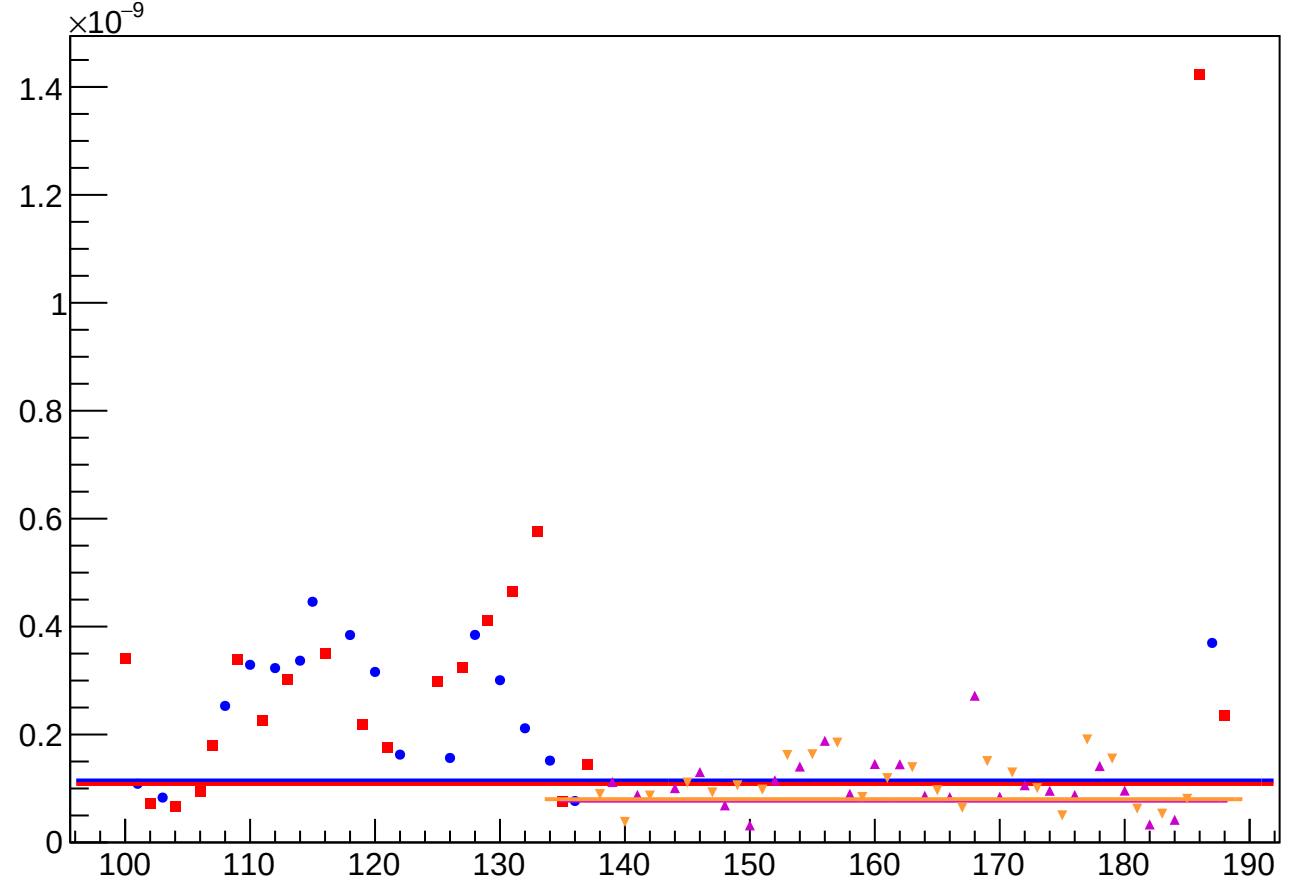
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/19

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.8/40

All: 0.000+/-0.000 χ^2/NDF: 79.3/83

- sign 0.000+/-0.000 χ^2/NDF: 42.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 1613915.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

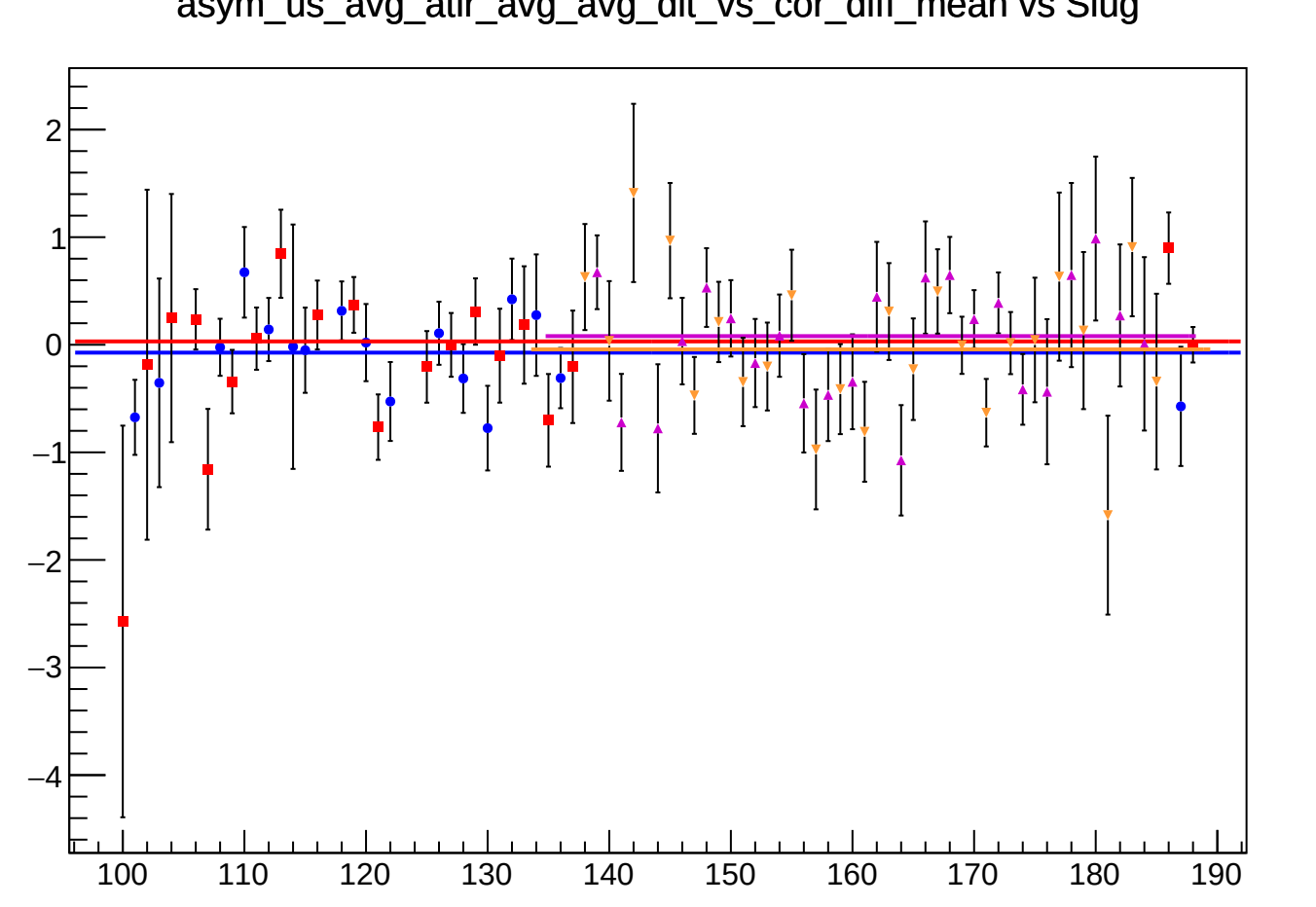
Right Out: 0.000+/-0.000 χ^2/NDF: 2622726.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4098629.2/40

All: 0.000+/-0.000 χ^2/NDF: 9647288.1/83

- sign 0.000+/-0.000 χ^2/NDF: 5538442.7/42



Right In: -0.073+/-0.088 χ^2/NDF: 18.1/16

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

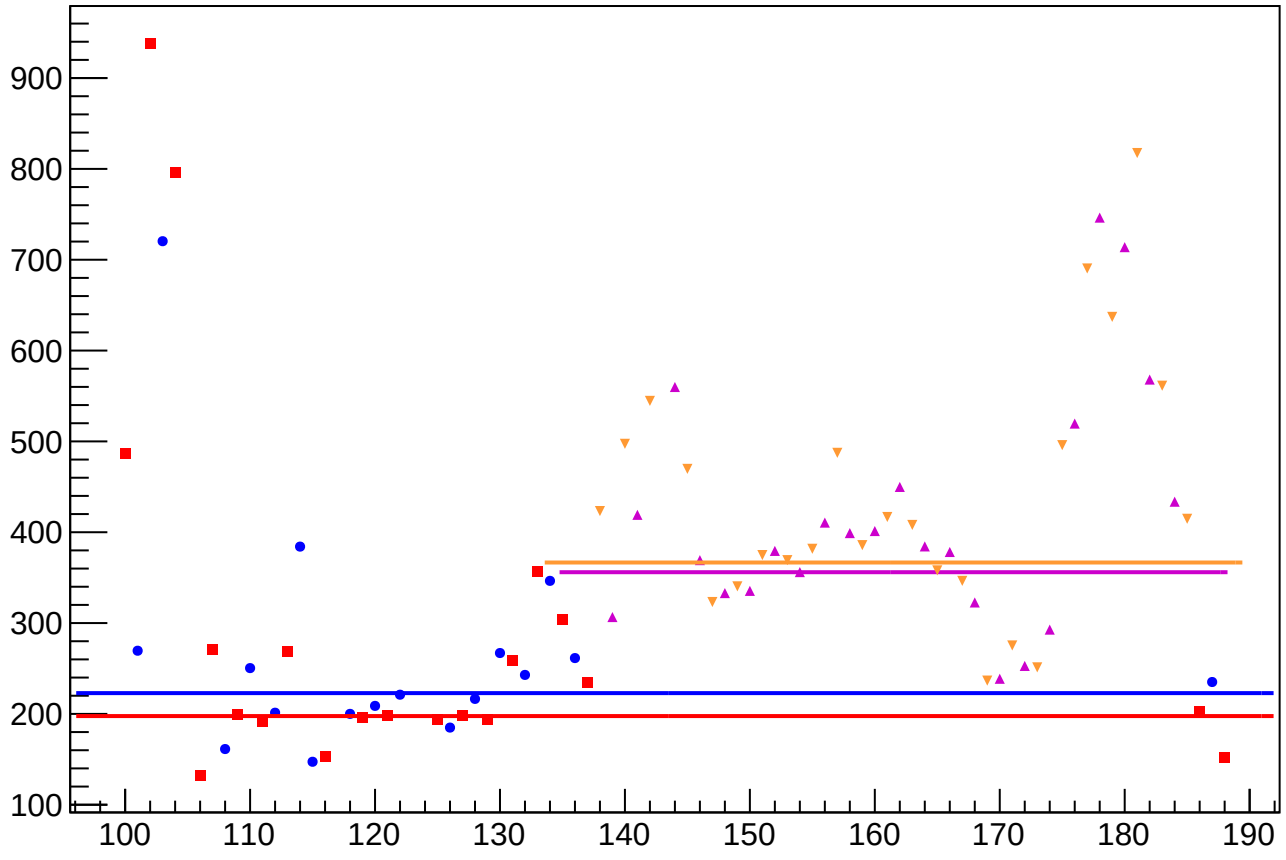
Right Out: 0.031+/-0.075 χ^2/NDF: 33.3/19

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.059+/-0.063 χ^2/NDF: 49.2/40

All: 0.002+/-0.042 χ^2/NDF: 114.7/83

- sign 0.052+/-0.057 χ^2/NDF: 63.8/42



Right In: 222.882+/-0.062 χ^2/NDF: 1019774.1/16

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

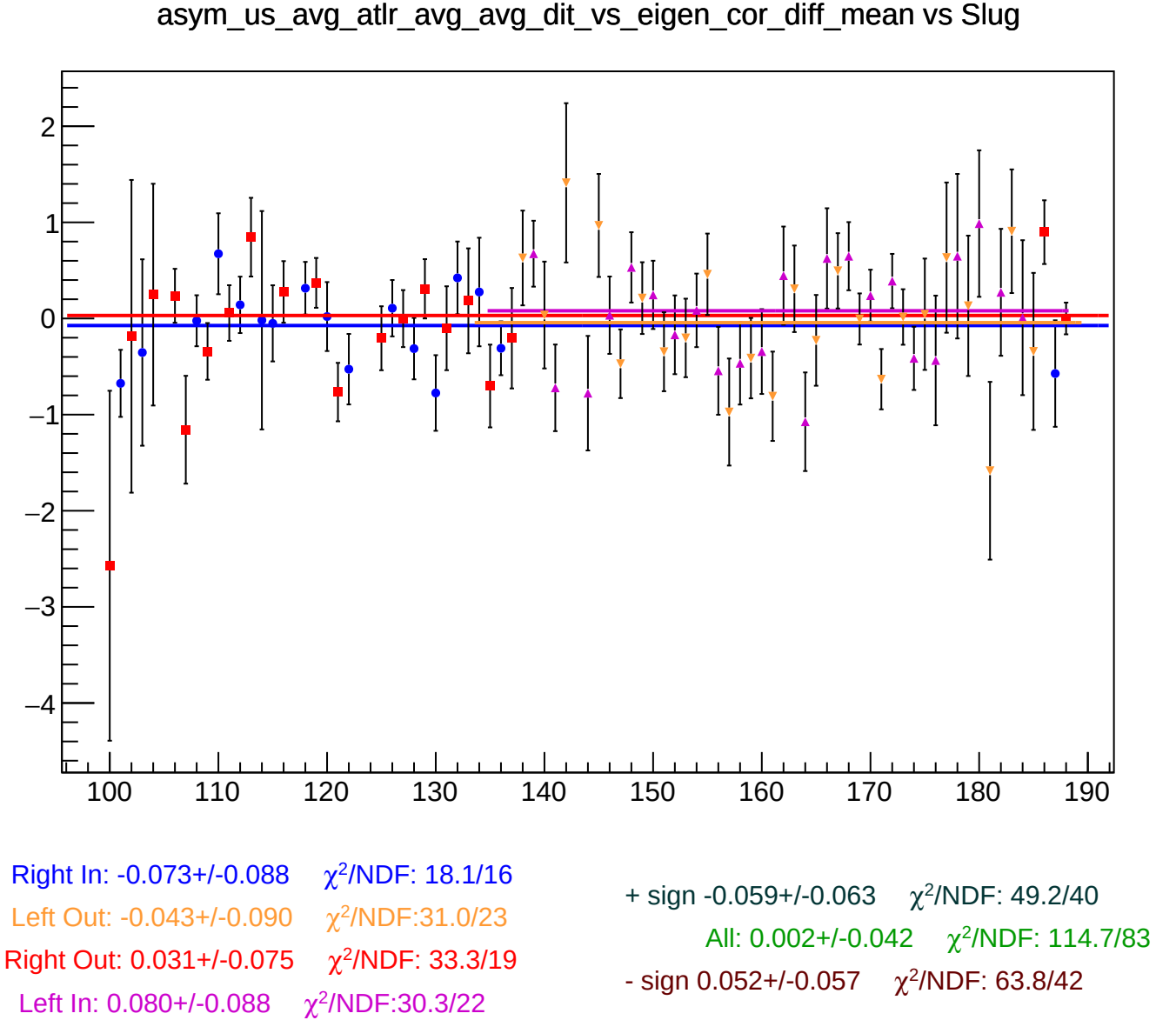
Right Out: 197.611+/-0.053 χ^2/NDF: 1744233.2/19

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.424+/-0.044 χ^2/NDF: 6470300.6/40

All: 277.228+/-0.030 χ^2/NDF: 14602267.4/83

- sign 264.698+/-0.040 χ^2/NDF: 7919023.7/42


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
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−2
−3
−4
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110
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140
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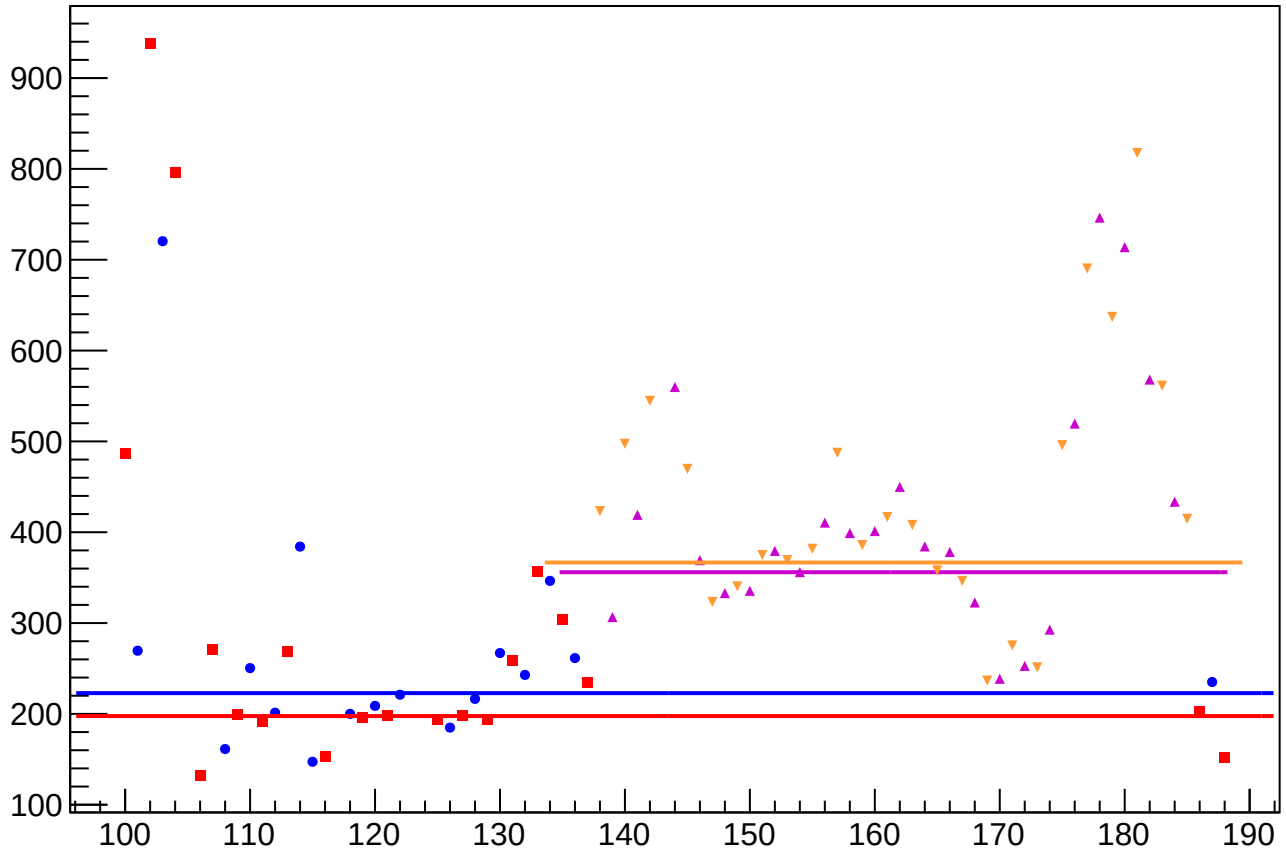
180
190
Right In: -0.073+/-0.088 χ²/NDF: 18.1/16
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.031+/-0.075 χ²/NDF: 33.3/19
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.059+/-0.063 χ²/NDF: 49.2/40
All: 0.002+/-0.042 χ²/NDF: 114.7/83
- sign 0.052+/-0.057 χ²/NDF: 63.8/42



Right In: 222.882+/-0.062 χ^2/NDF: 1019774.1/16

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

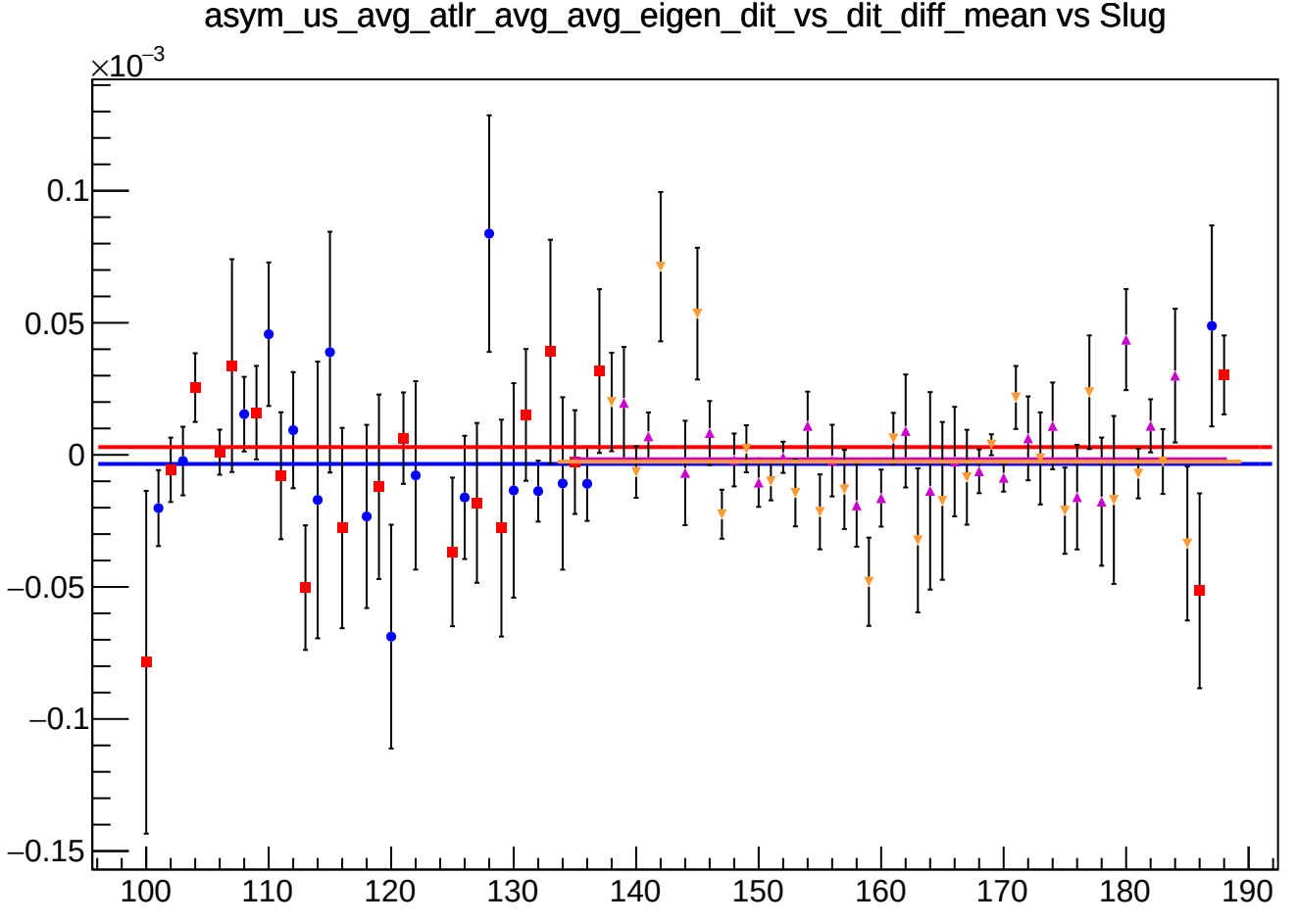
Right Out: 197.611+/-0.053 χ^2/NDF: 1744233.2/19

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.424+/-0.044 χ^2/NDF: 6470300.6/40

All: 277.228+/-0.030 χ^2/NDF: 14602267.4/83

- sign 264.698+/-0.040 χ^2/NDF: 7919023.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

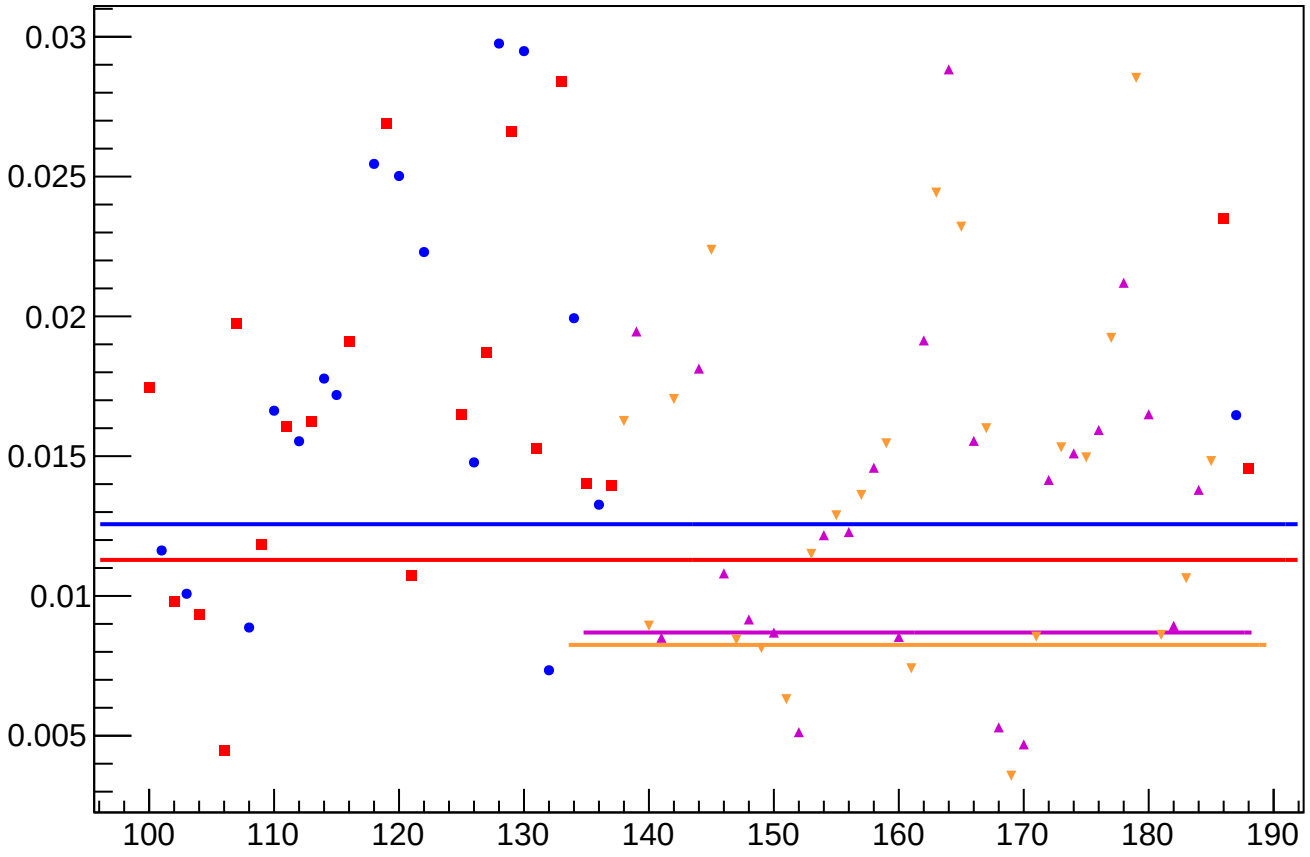
Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/19

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.1/40

All: -0.000+/-0.000 χ^2/NDF: 106.1/83

- sign -0.000+/-0.000 χ^2/NDF: 44.5/42



Right In: 0.013+/-0.000 χ^2/NDF: 2136378.1/16

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

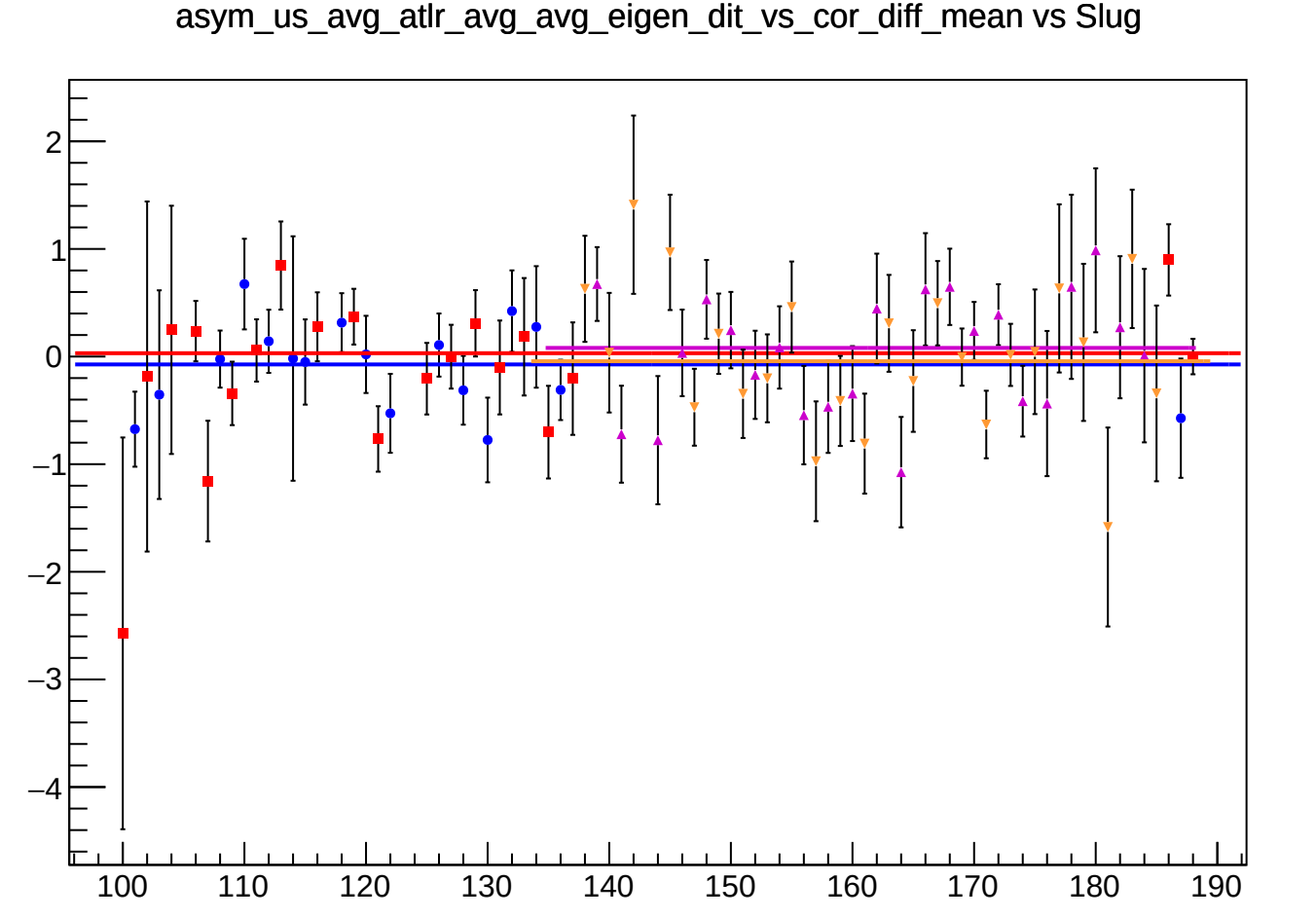
Right Out: 0.011+/-0.000 χ^2/NDF: 3325603.4/19

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 12236083.5/40

All: 0.009+/-0.000 χ^2/NDF: 23009288.0/83

- sign 0.009+/-0.000 χ^2/NDF: 10751627.5/42



Right In: -0.073+/-0.088 χ^2/NDF: 18.1/16

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

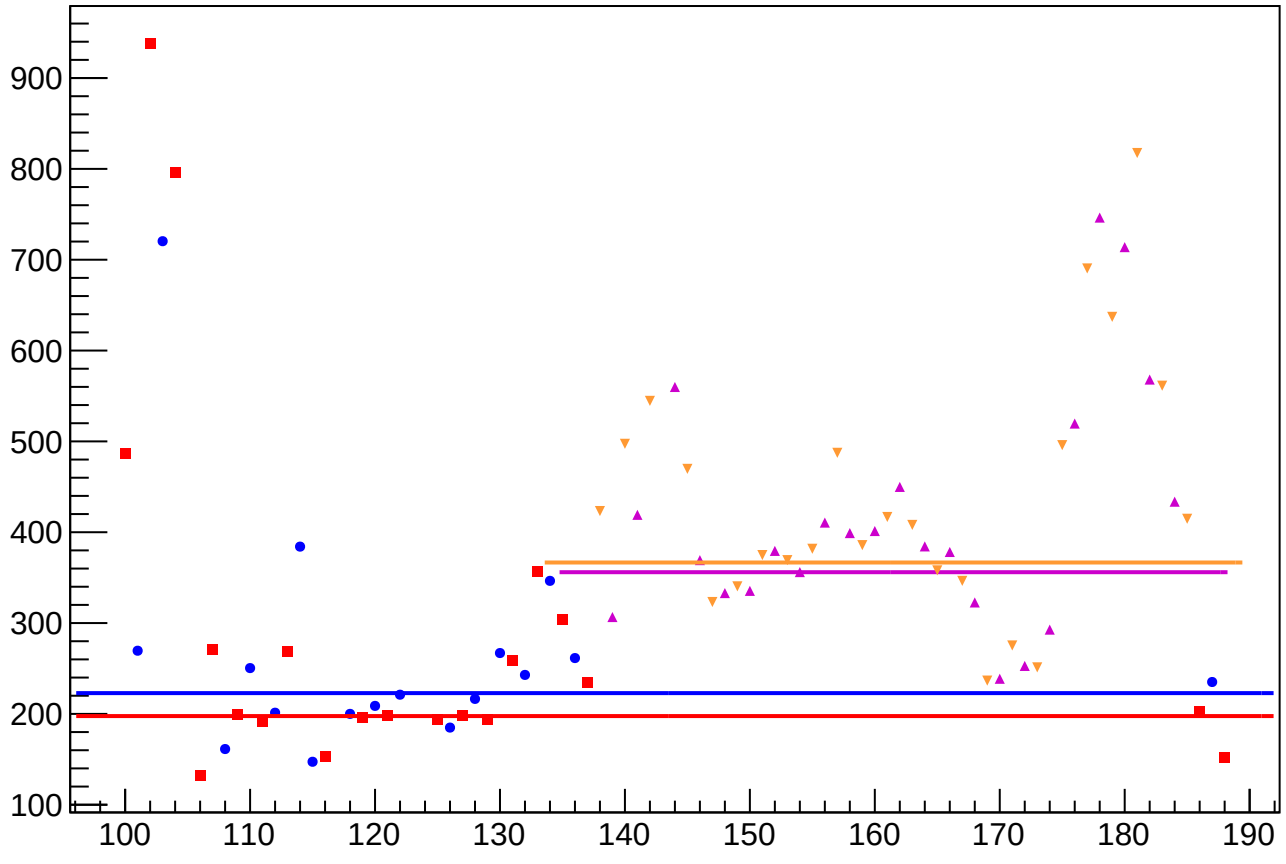
Right Out: 0.031+/-0.075 χ^2/NDF: 33.3/19

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.059+/-0.063 χ^2/NDF: 49.2/40

All: 0.002+/-0.042 χ^2/NDF: 114.7/83

- sign 0.052+/-0.057 χ^2/NDF: 63.9/42



Right In: 222.880+/-0.062 χ^2/NDF: 1019761.4/16

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

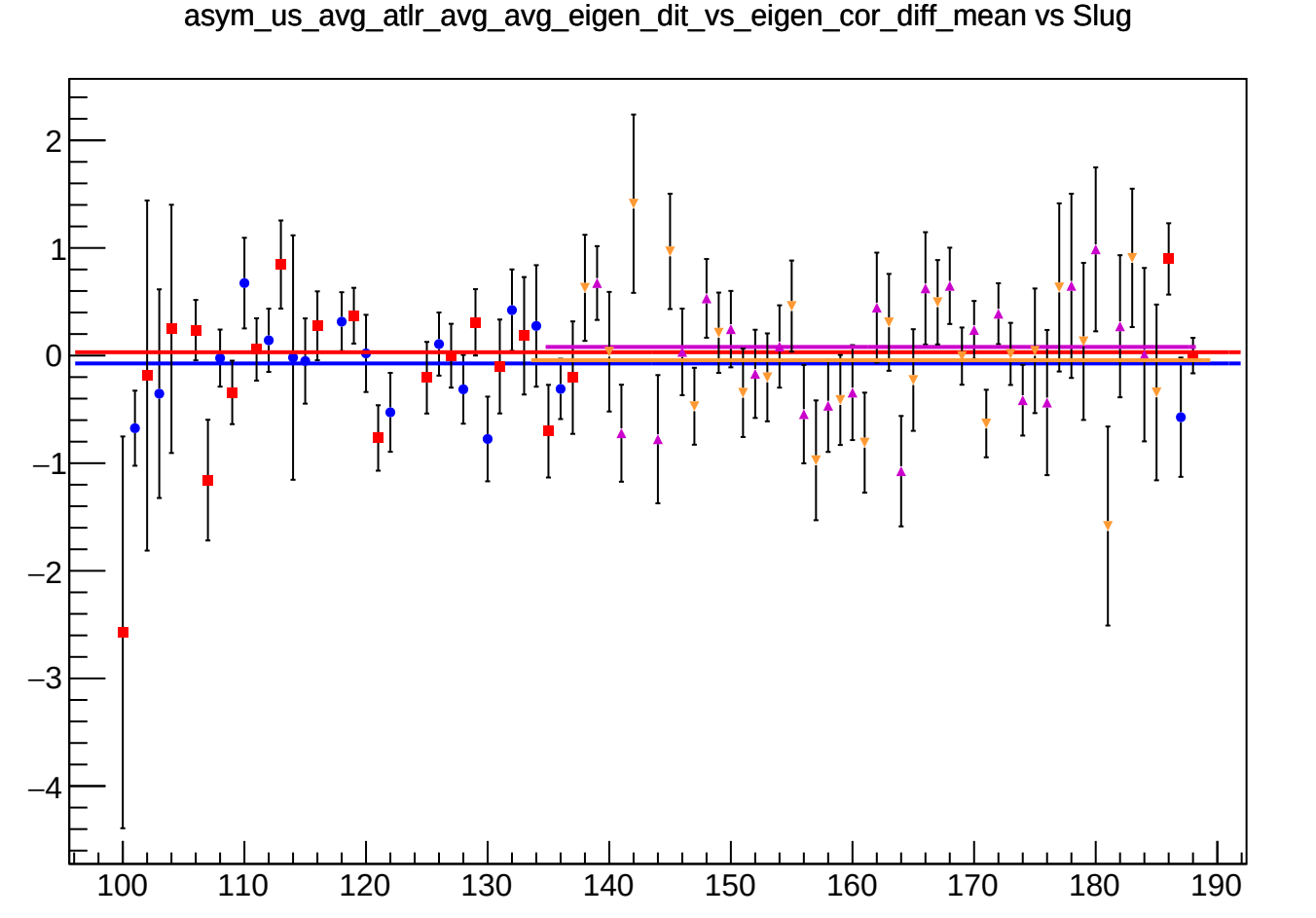
Right Out: 197.607+/-0.053 χ^2/NDF: 1744257.2/19

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.423+/-0.044 χ^2/NDF: 6470581.6/40

All: 277.225+/-0.030 χ^2/NDF: 14603086.8/83

- sign 264.694+/-0.040 χ^2/NDF: 7919521.4/42



Right In: -0.073+/-0.088 χ^2/NDF: 18.1/16

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

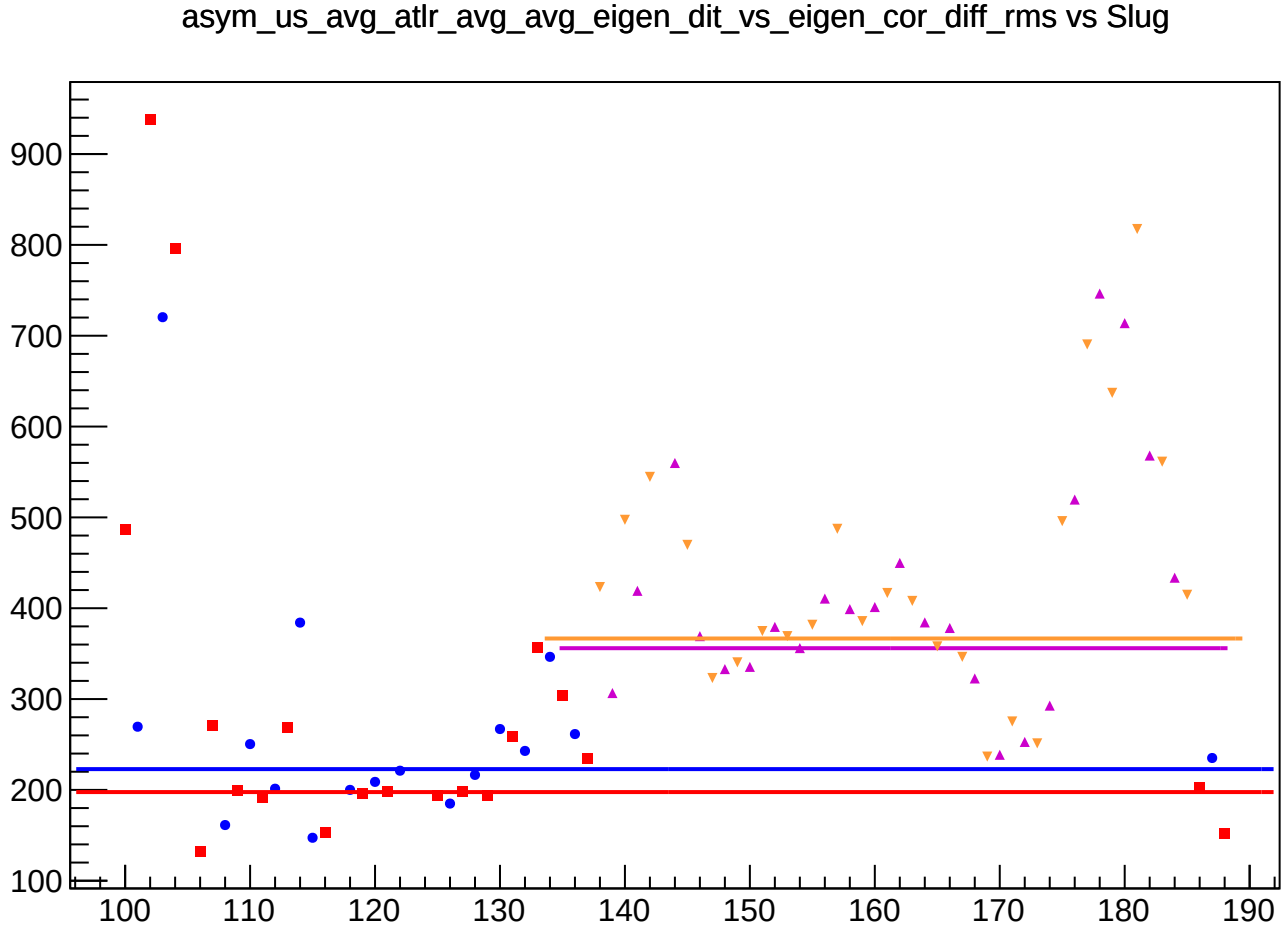
Right Out: 0.031+/-0.075 χ^2/NDF: 33.3/19

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.059+/-0.063 χ^2/NDF: 49.2/40

All: 0.002+/-0.042 χ^2/NDF: 114.7/83

- sign 0.052+/-0.057 χ^2/NDF: 63.9/42



Right In: 222.880+/-0.062 χ^2/NDF: 1019761.4/16

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

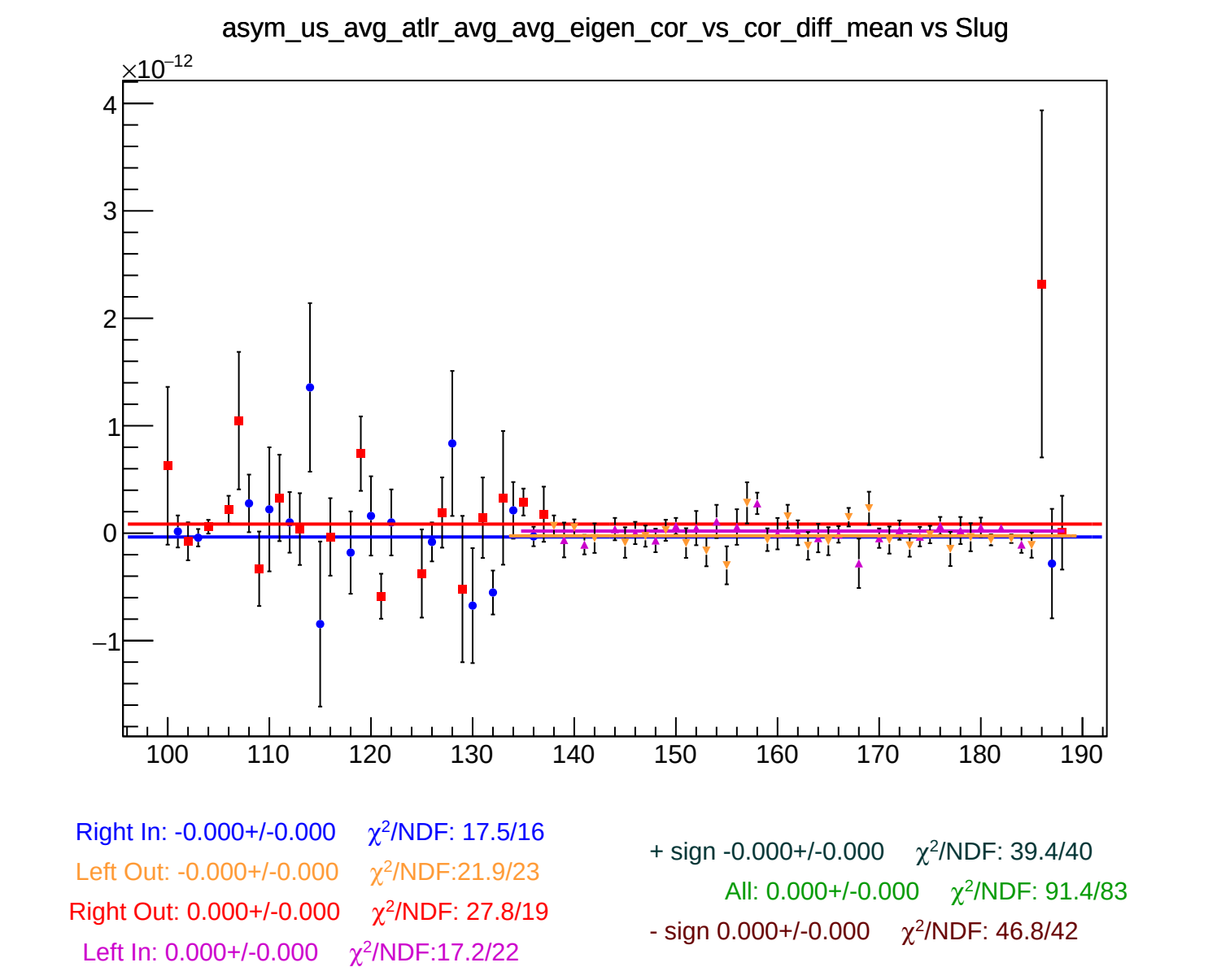
Right Out: 197.607+/-0.053 χ^2/NDF: 1744257.2/19

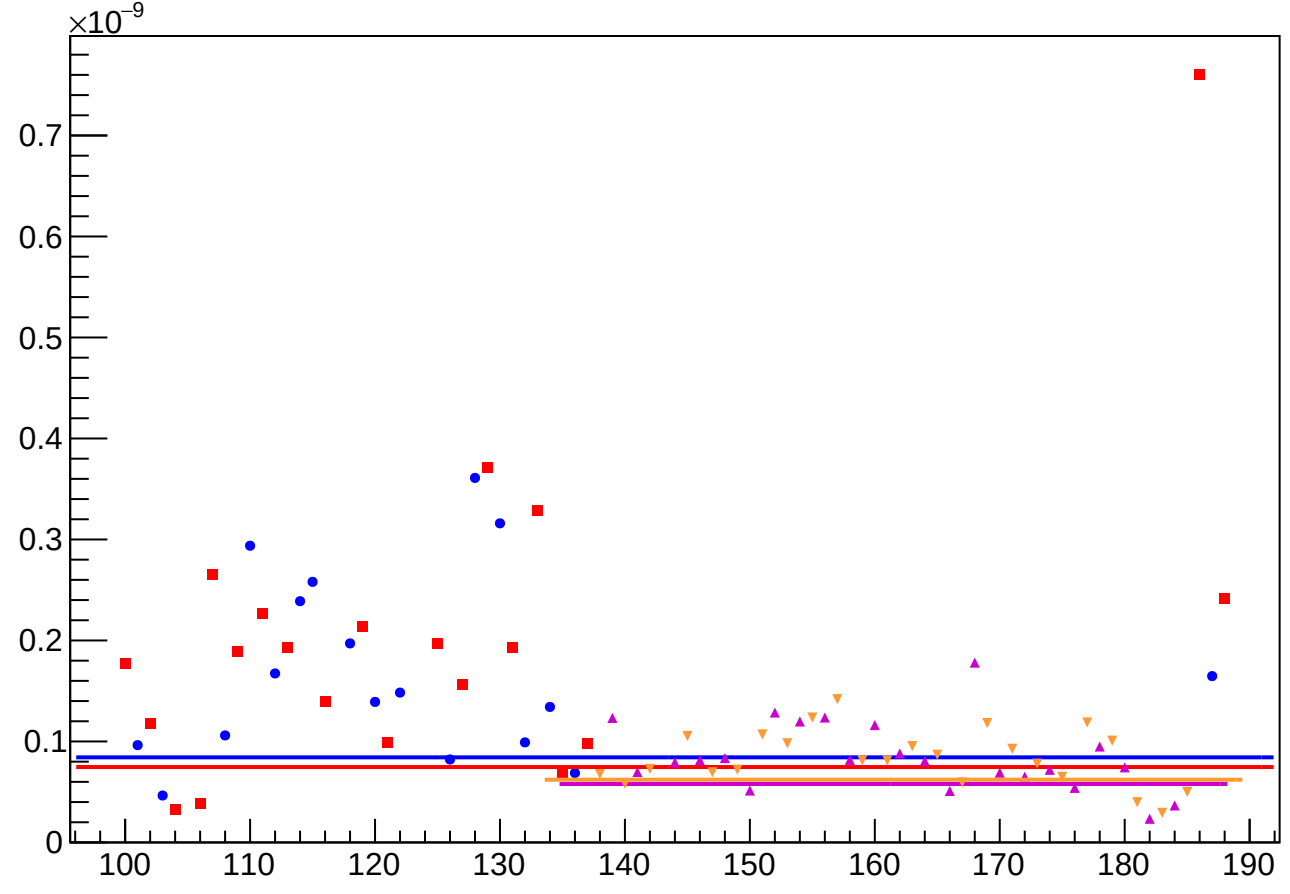
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.423+/-0.044 χ^2/NDF: 6470581.6/40

All: 277.225+/-0.030 χ^2/NDF: 14603086.8/83

- sign 264.694+/-0.040 χ^2/NDF: 7919521.4/42


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.5/16
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 27.8/19
Left In: 0.000+/-0.000 χ²/NDF:17.2/22
+ sign -0.000+/-0.000 χ²/NDF: 39.4/40
All: 0.000+/-0.000 χ²/NDF: 91.4/83
- sign 0.000+/-0.000 χ²/NDF: 46.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 2285685.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4588211.4/19

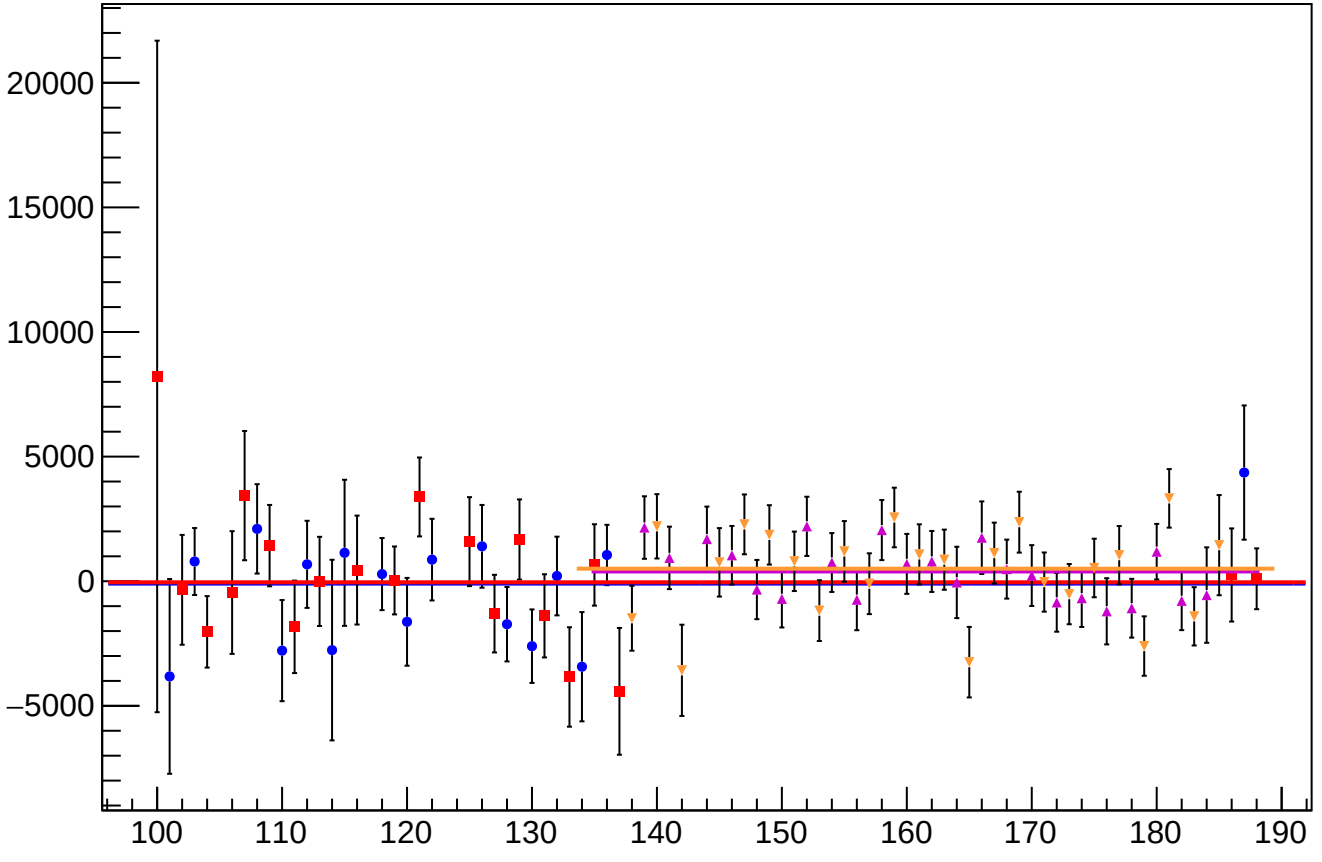
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6767837.2/40

All: 0.000+/-0.000 χ^2/NDF: 17198642.3/83

- sign 0.000+/-0.000 χ^2/NDF: 10350127.8/42

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -95.238+/-423.809 χ^2/NDF: 17.6/16

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -42.549+/-396.919 χ^2/NDF: 20.7/19

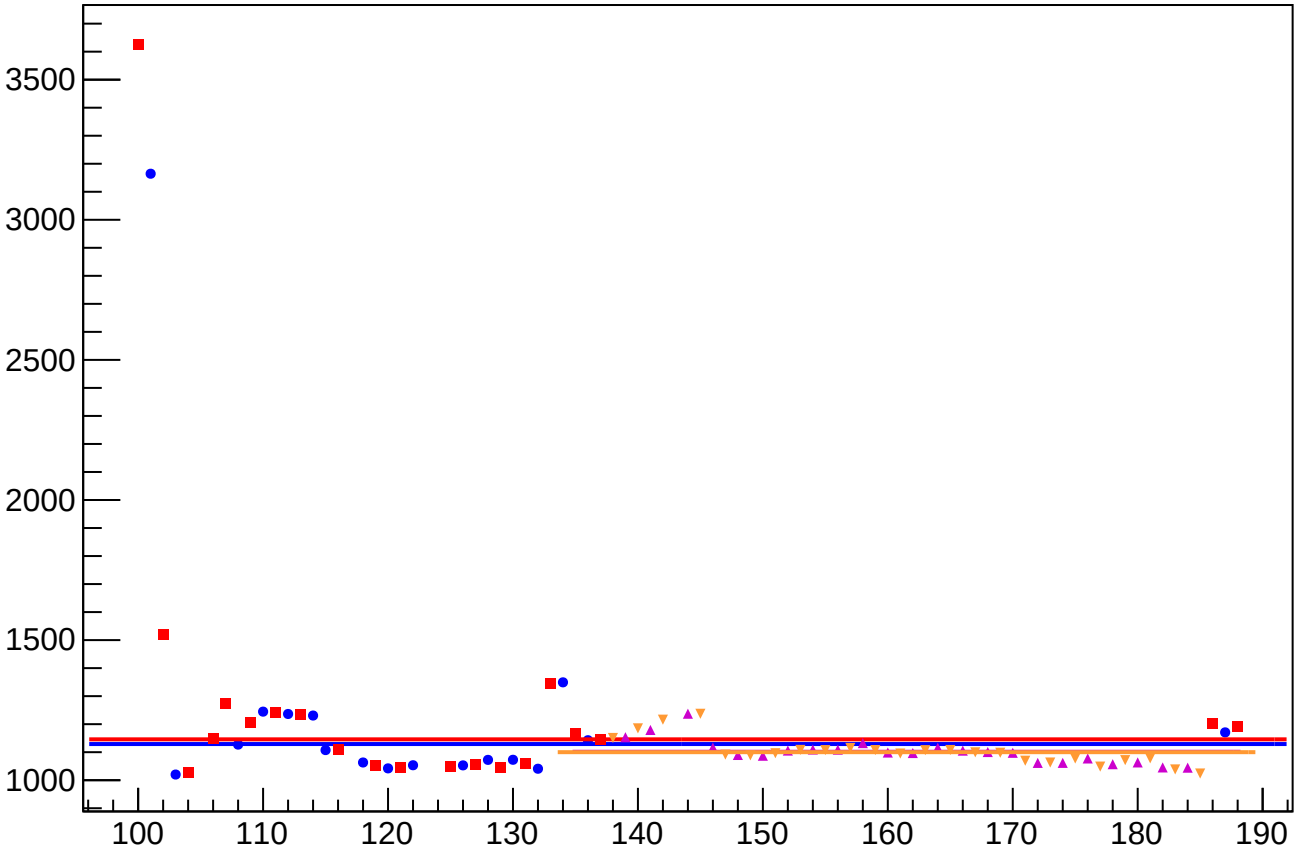
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 343.947+/-218.832 χ^2/NDF: 63.6/40

All: 303.016+/-153.710 χ^2/NDF: 103.0/83

- sign 263.154+/-215.956 χ^2/NDF: 39.4/42

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1129.065+/-0.300 χ^2/NDF: 621884.8/16

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

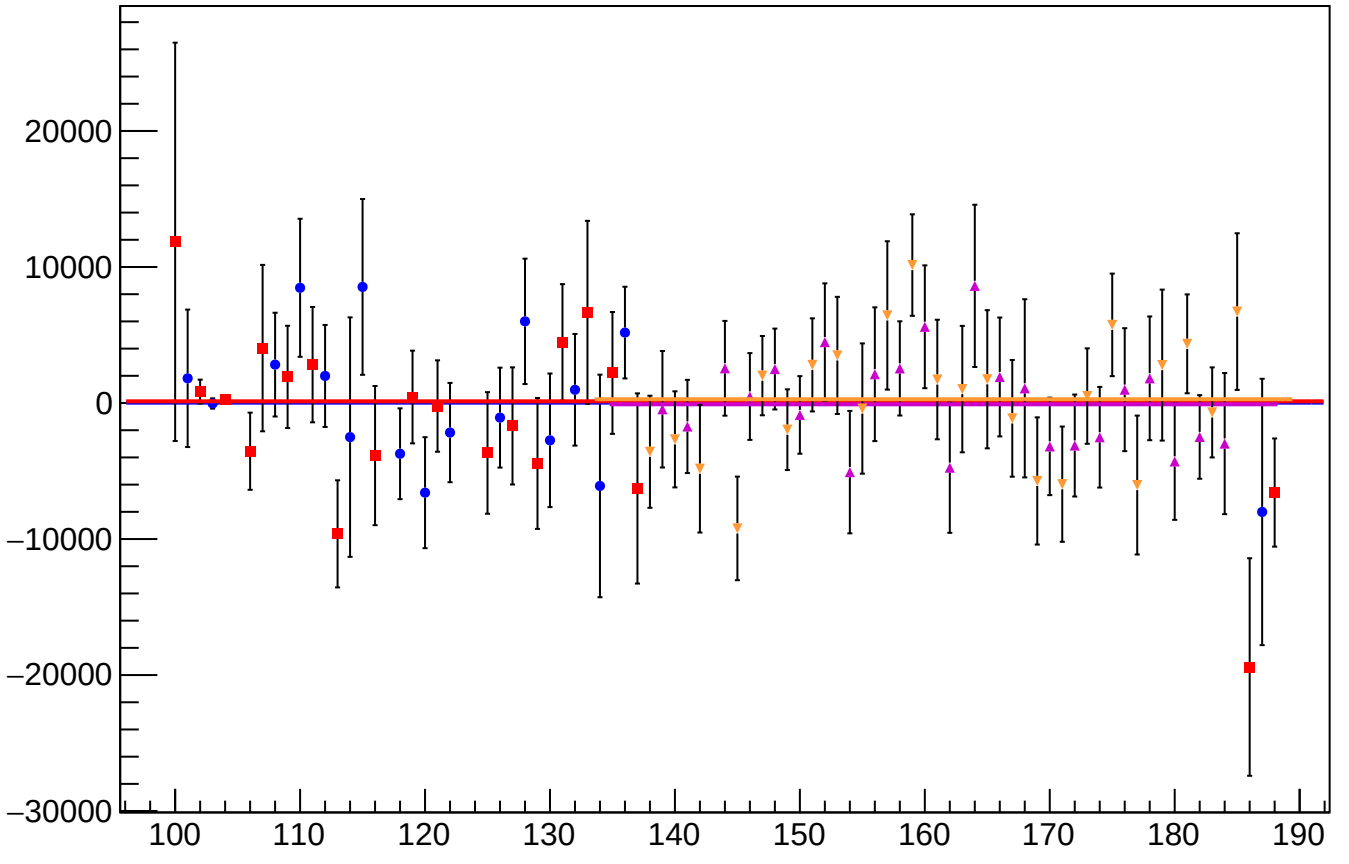
Right Out: 1145.859+/-0.280 χ^2/NDF: 225708.5/19

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1107.795+/-0.155 χ^2/NDF: 687487.1/40

All: 1111.285+/-0.109 χ^2/NDF: 983945.0/83

\- sign 1114.681+/-0.153 χ^2/NDF: 295454.4/42



Right In: 27.576+/-357.413 χ^2/NDF: 15.5/16

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

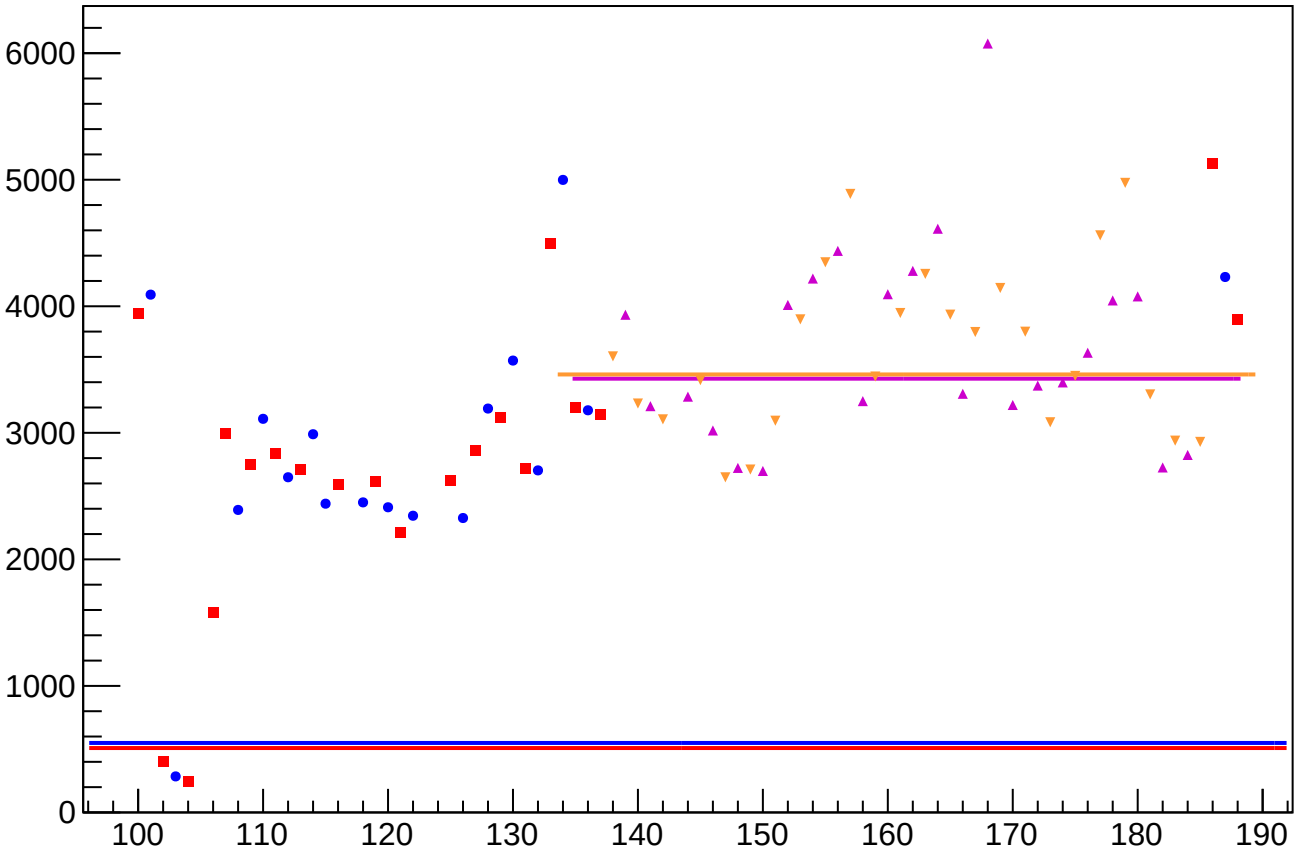
Right Out: 125.740+/-321.230 χ^2/NDF: 24.5/19

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 67.437+/-327.674 χ^2/NDF: 45.5/40

All: 83.152+/-220.853 χ^2/NDF: 83.7/83

- sign 96.234+/-298.963 χ^2/NDF: 38.2/42



Right In: 549.249+/-0.253 χ^2/NDF: 9966222.8/16

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 509.025+/-0.227 χ^2/NDF: 11320130.5/19

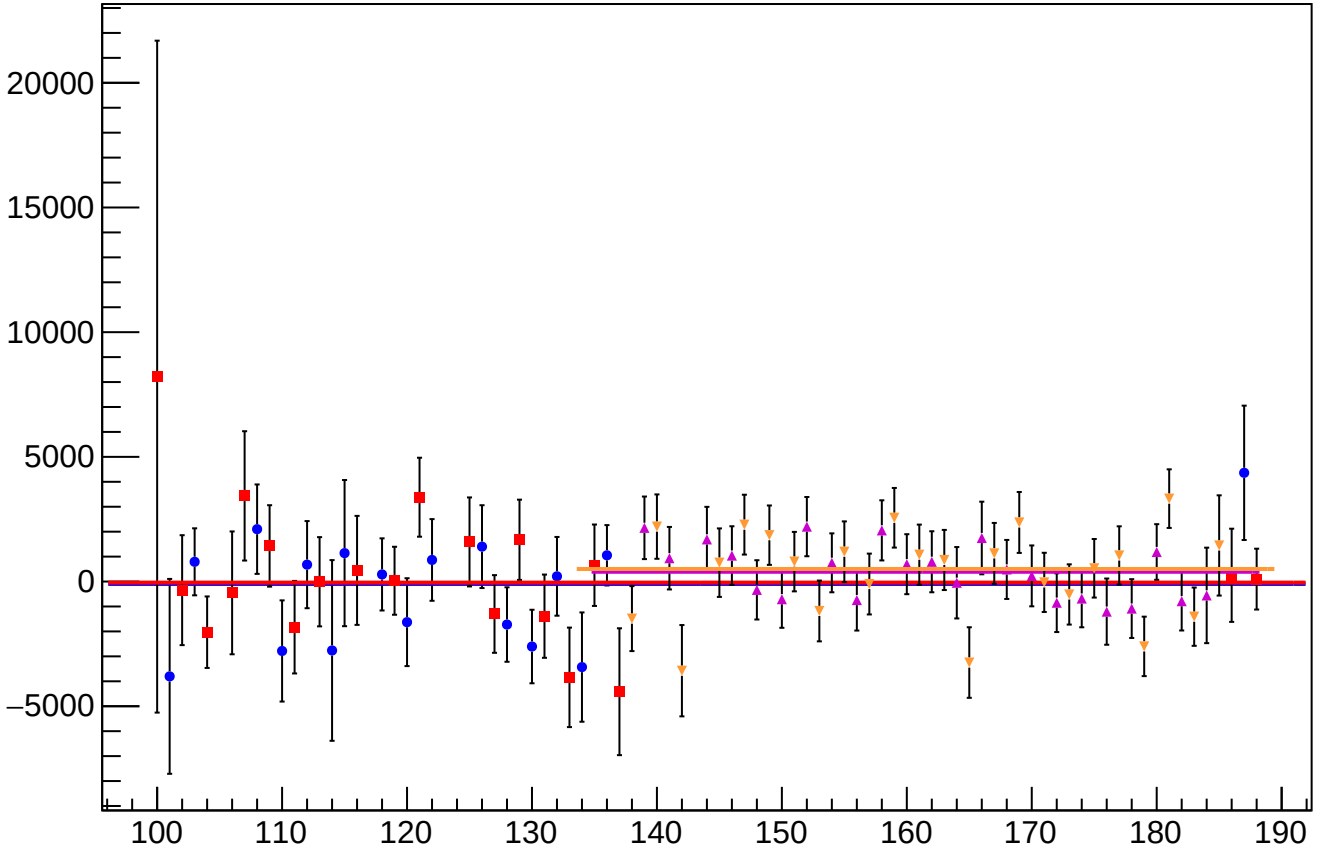
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1013.678+/-0.232 χ^2/NDF: 32198840.5/40

All: 951.452+/-0.156 χ^2/NDF: 66993185.9/83

- sign 899.653+/-0.211 χ^2/NDF: 34662181.3/42

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -95.021+/-423.810 χ^2/NDF: 17.6/16

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -42.678+/-396.920 χ^2/NDF: 20.7/19

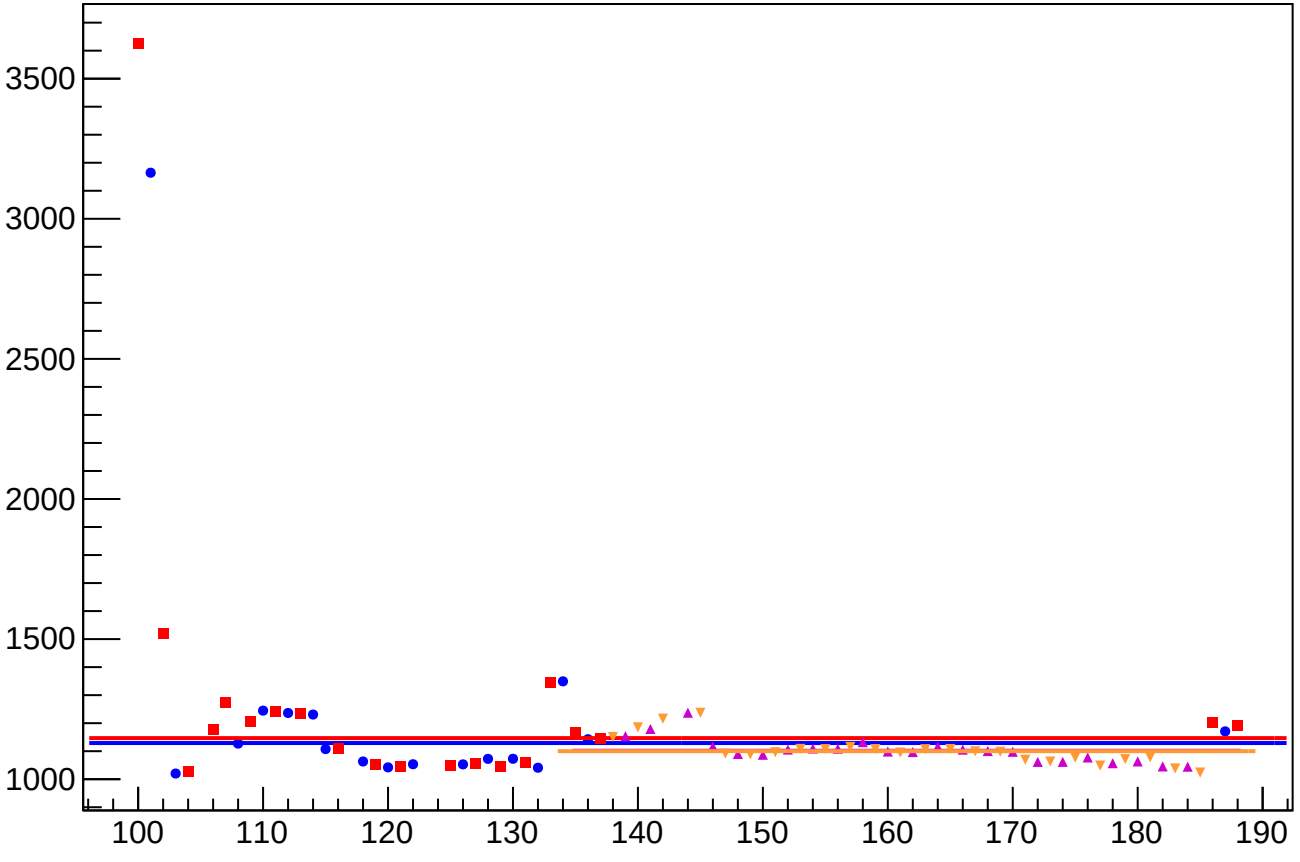
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 344.059+/-218.832 χ^2/NDF: 63.6/40

All: 303.047+/-153.710 χ^2/NDF: 103.0/83

- sign 263.106+/-215.956 χ^2/NDF: 39.4/42

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1129.064+/-0.300 χ^2/NDF: 621885.9/16

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

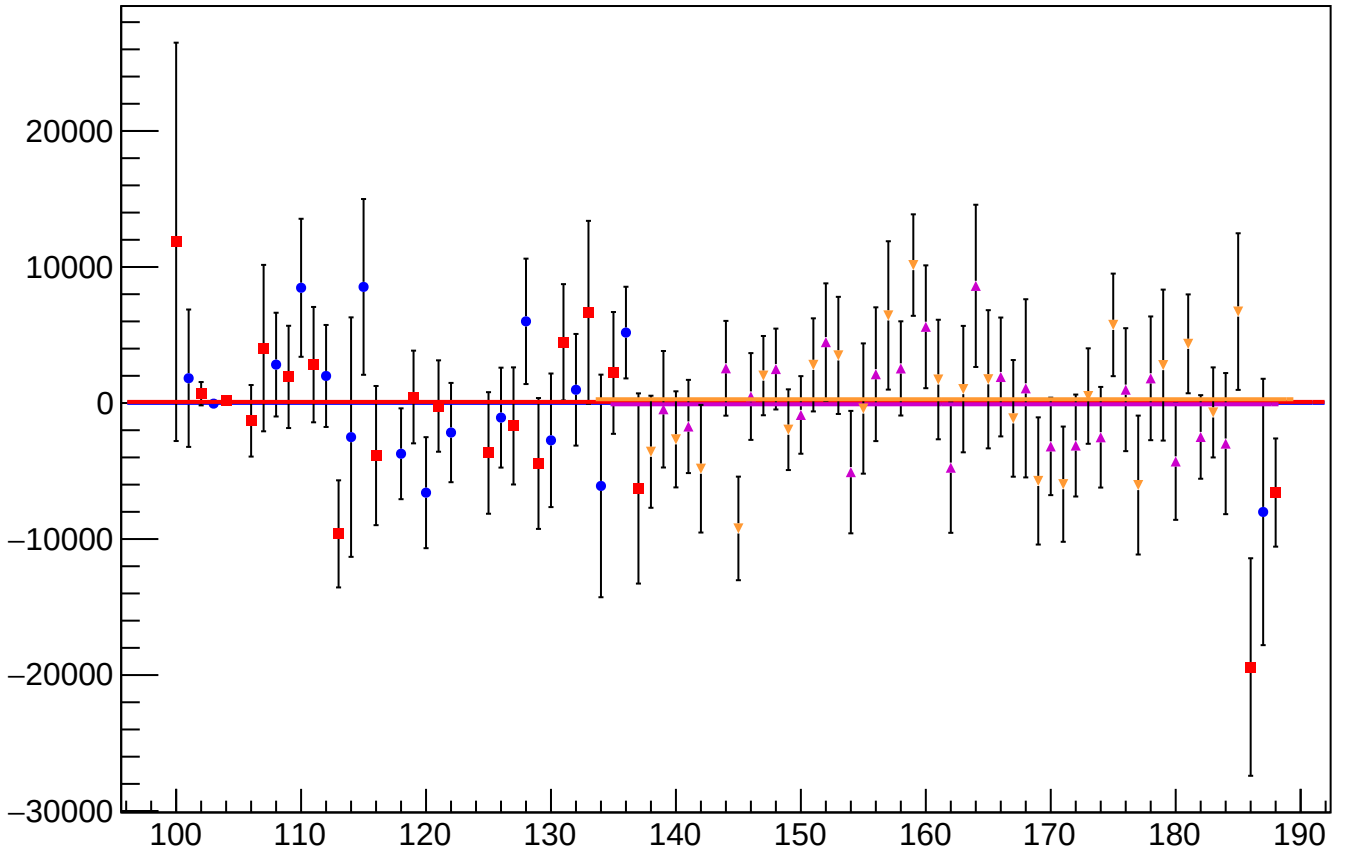
Right Out: 1146.692+/-0.281 χ^2/NDF: 226063.4/19

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1107.795+/-0.155 χ^2/NDF: 687488.1/40

All: 1111.399+/-0.109 χ^2/NDF: 985007.8/83

\- sign 1114.908+/-0.153 χ^2/NDF: 296449.2/42



Right In: 11.713+/-344.312 χ^2/NDF: 15.5/16

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

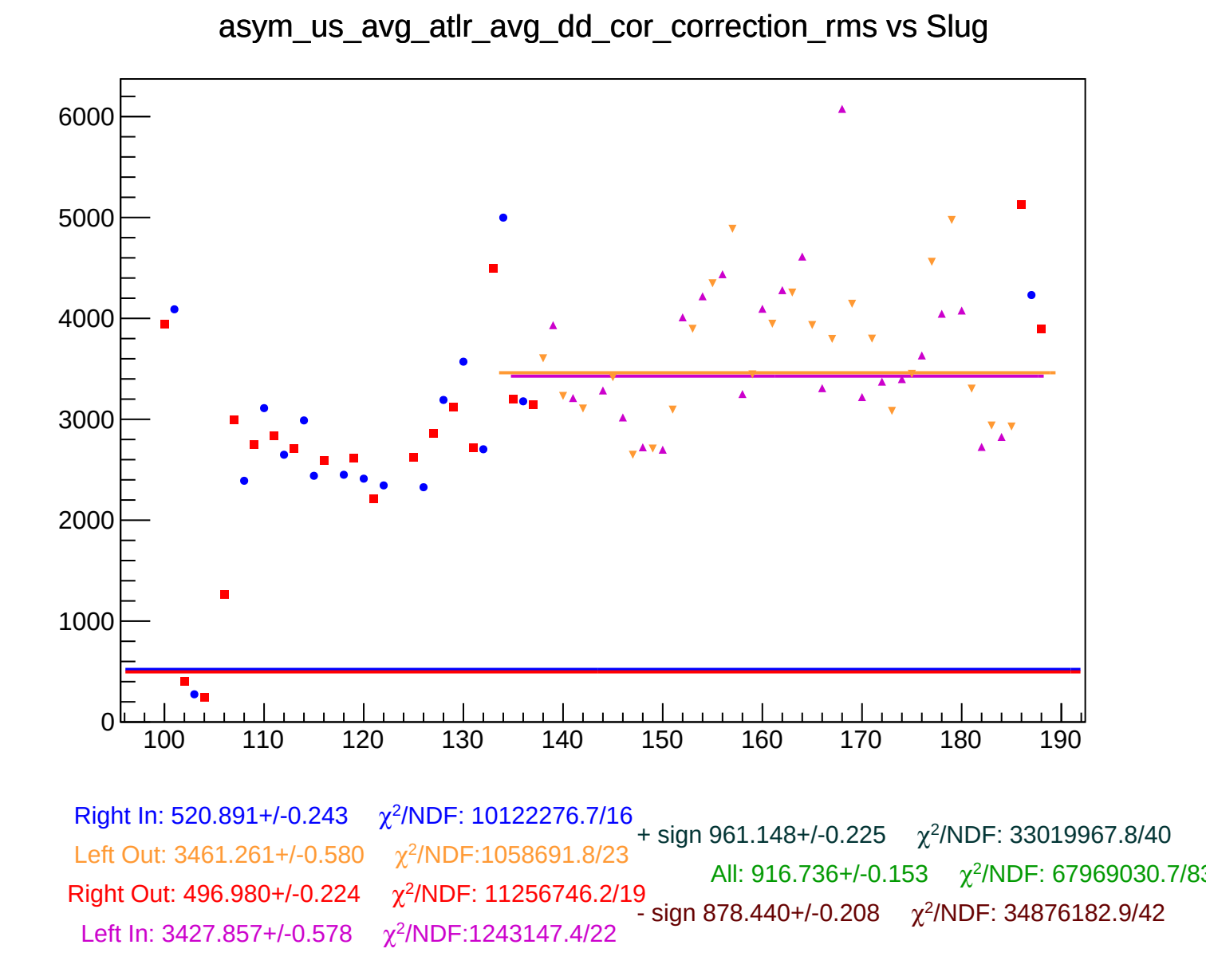
Right Out: 83.085+/-316.114 χ^2/NDF: 22.8/19

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

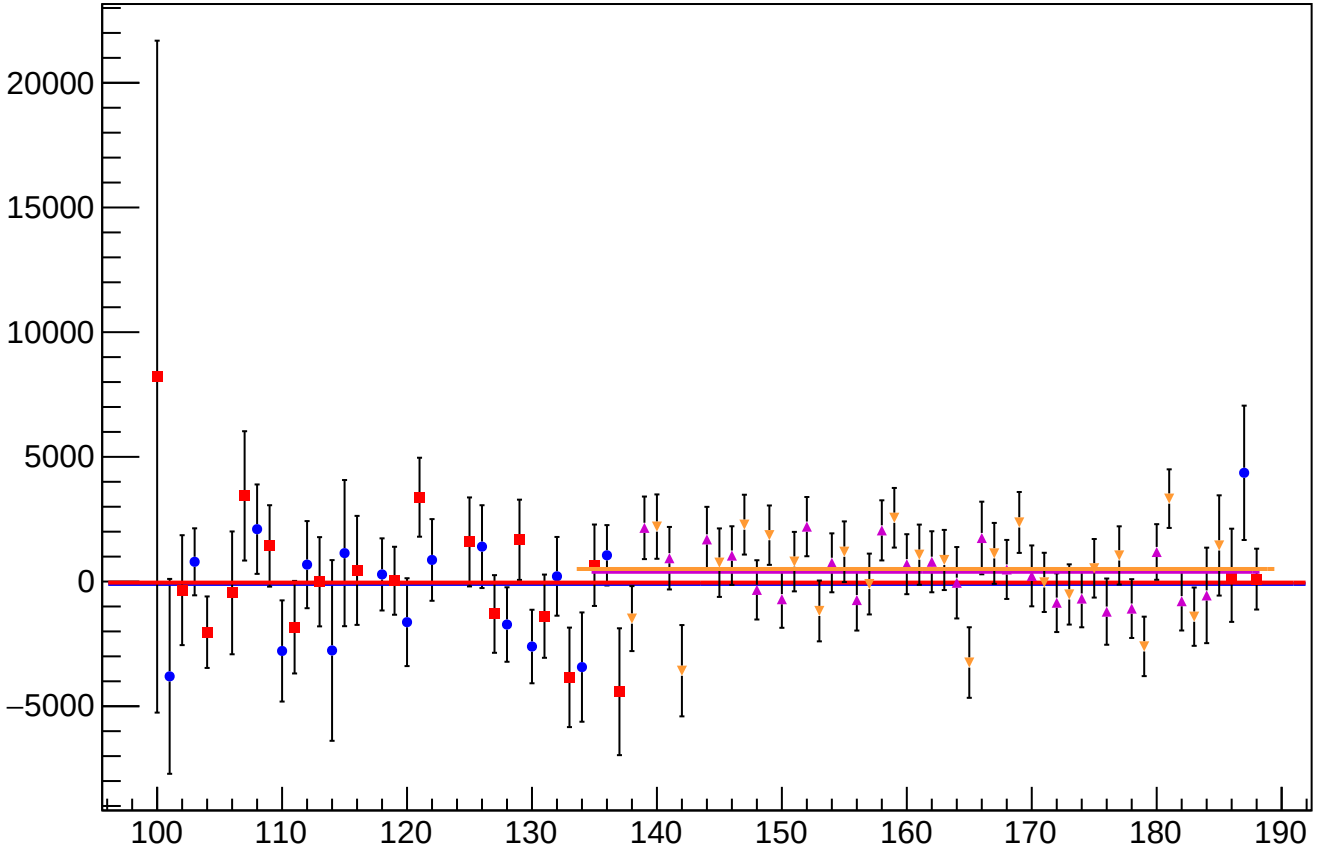
+ sign 51.514+/-317.491 χ^2/NDF: 45.5/40

All: 56.039+/-216.042 χ^2/NDF: 82.0/83

- sign 59.941+/-294.826 χ^2/NDF: 36.5/42


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
190
Right In: 520.891+/-0.243 χ²/NDF: 10122276.7/16
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 496.980+/-0.224 χ²/NDF: 11256746.2/19
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
+ sign 961.148+/-0.225 χ²/NDF: 33019967.8/40
All: 916.736+/-0.153 χ²/NDF: 67969030.7/83
- sign 878.440+/-0.208 χ²/NDF: 34876182.9/42

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -95.021+/-423.810 χ^2/NDF: 17.6/16

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

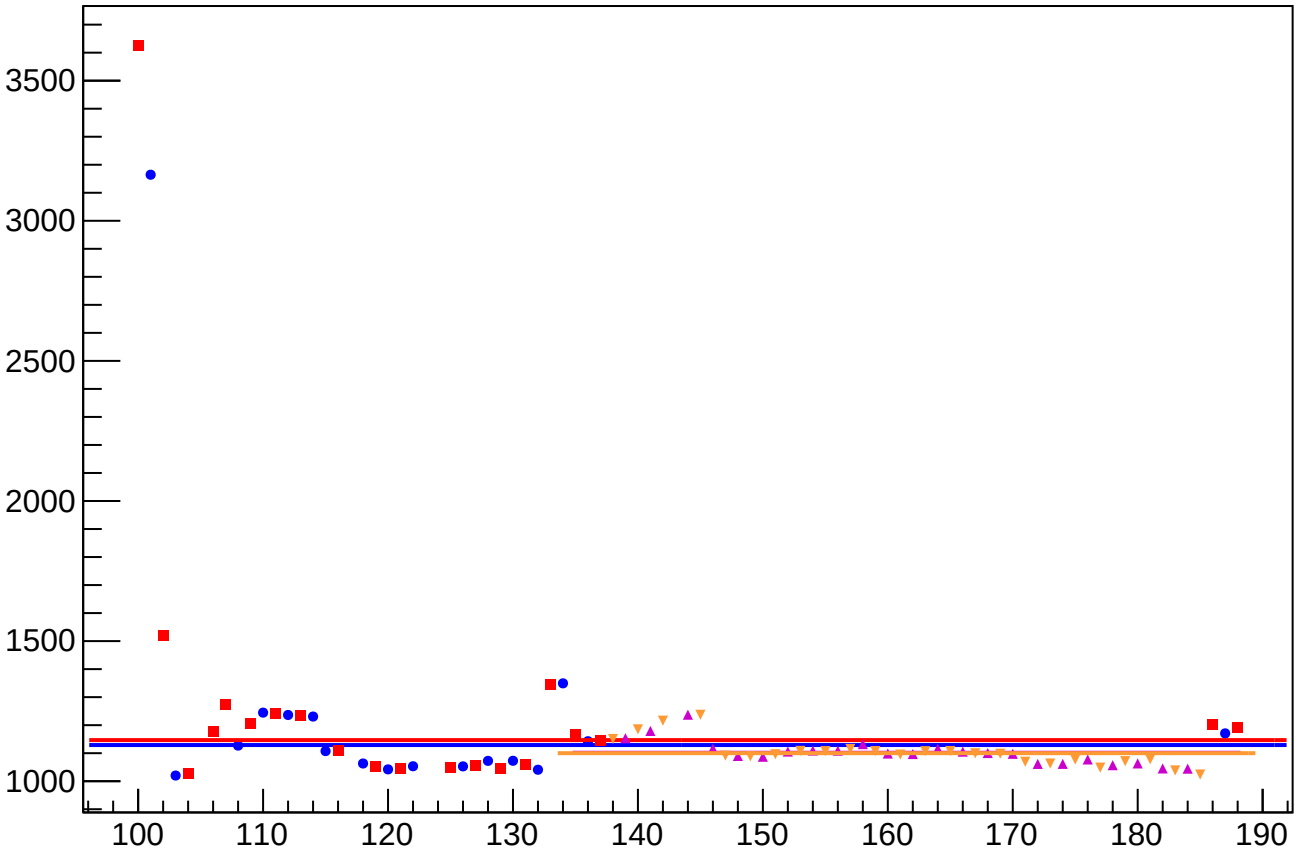
Right Out: -42.678+/-396.920 χ^2/NDF: 20.7/19

Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 344.059+/-218.832 χ^2/NDF: 63.6/40

All: 303.047+/-153.710 χ^2/NDF: 103.0/83

- sign 263.106+/-215.956 χ^2/NDF: 39.4/42



Right In: 1129.064+/-0.300 χ^2/NDF: 621885.9/16

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

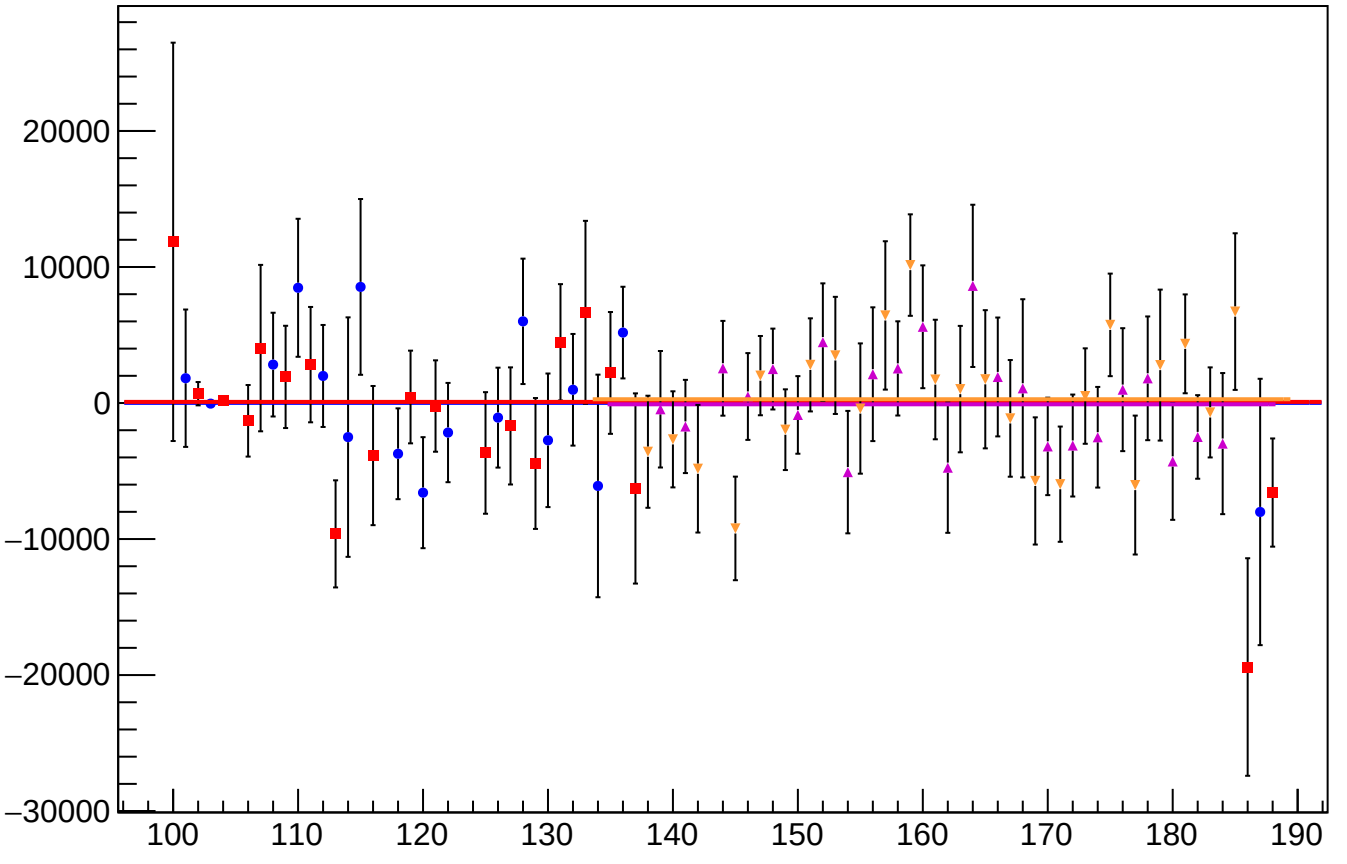
Right Out: 1146.692+/-0.281 χ^2/NDF: 226063.4/19

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1107.795+/-0.155 χ^2/NDF: 687488.1/40

All: 1111.399+/-0.109 χ^2/NDF: 985007.8/83

\- sign 1114.908+/-0.153 χ^2/NDF: 296449.2/42



Right In: 11.713+/-344.312 χ^2/NDF: 15.5/16

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

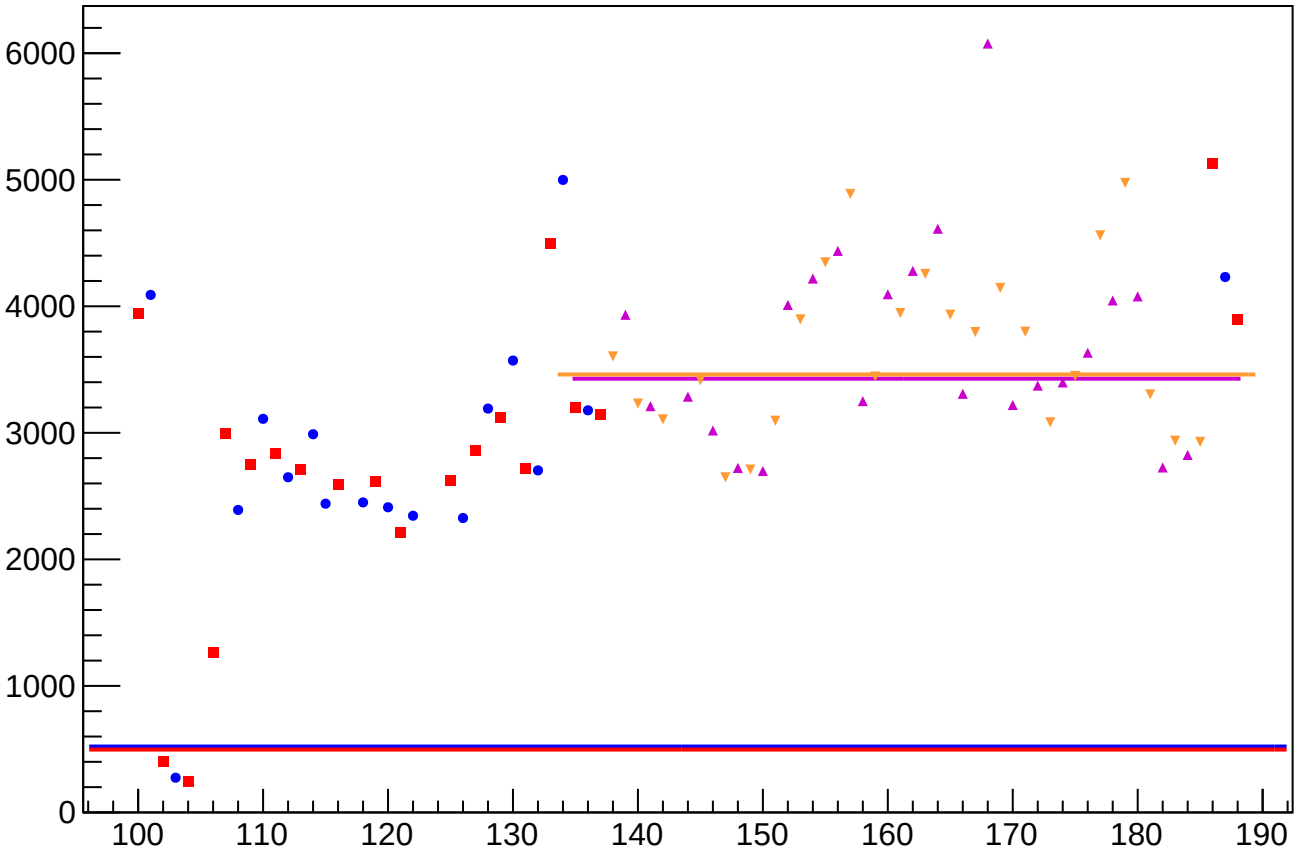
Right Out: 83.085+/-316.114 χ^2/NDF: 22.8/19

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign 51.514+/-317.491 χ^2/NDF: 45.5/40

All: 56.039+/-216.042 χ^2/NDF: 82.0/83

\- sign 59.941+/-294.826 χ^2/NDF: 36.5/42



Right In: 520.891+/-0.243 χ^2/NDF: 10122276.7/16

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 496.980+/-0.224 χ^2/NDF: 11256746.2/19

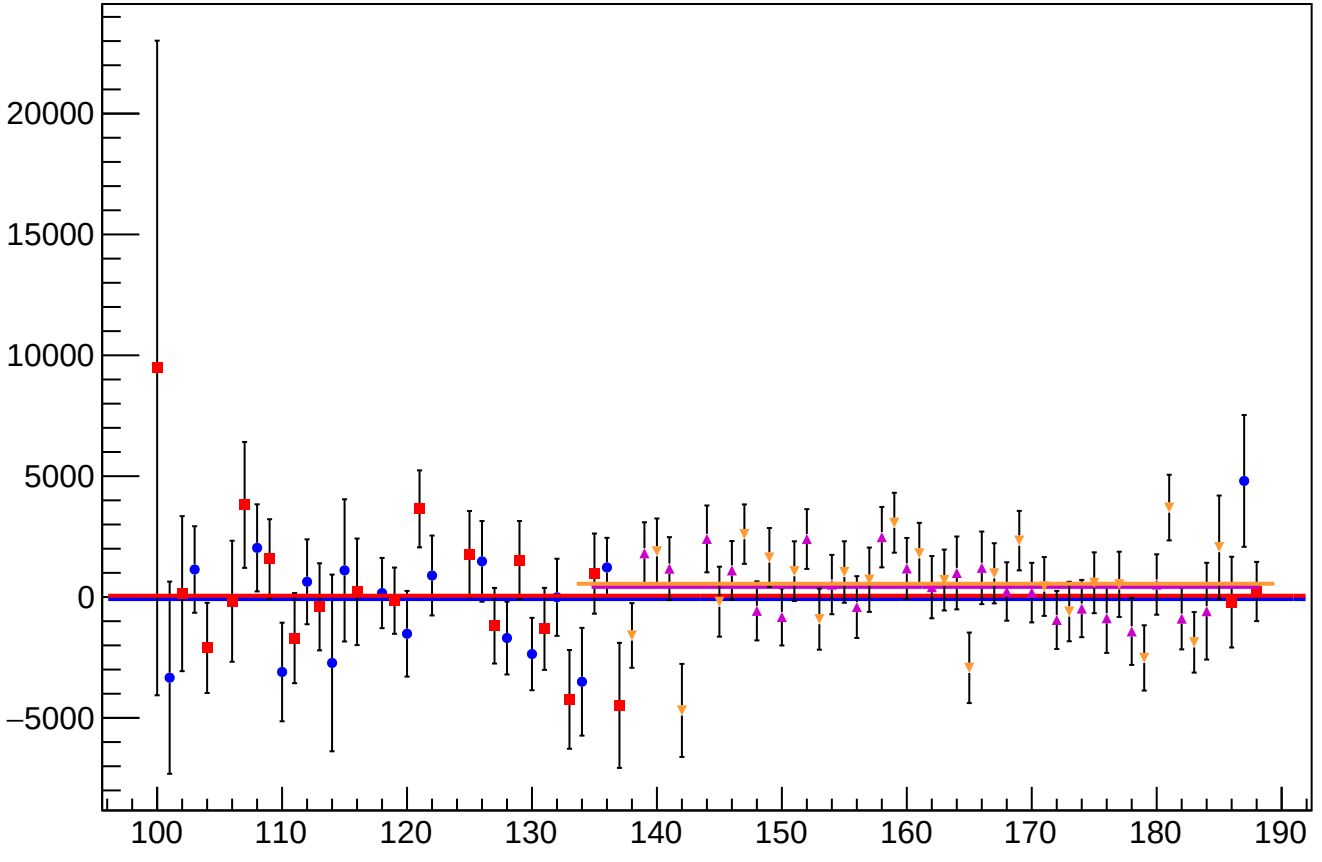
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 961.148+/-0.225 χ^2/NDF: 33019967.8/40

All: 916.736+/-0.153 χ^2/NDF: 67969030.7/83

- sign 878.440+/-0.208 χ^2/NDF: 34876182.9/42

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -84.192+/-436.961 χ^2/NDF: 17.6/16

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 53.838+/-409.959 χ^2/NDF: 21.7/19

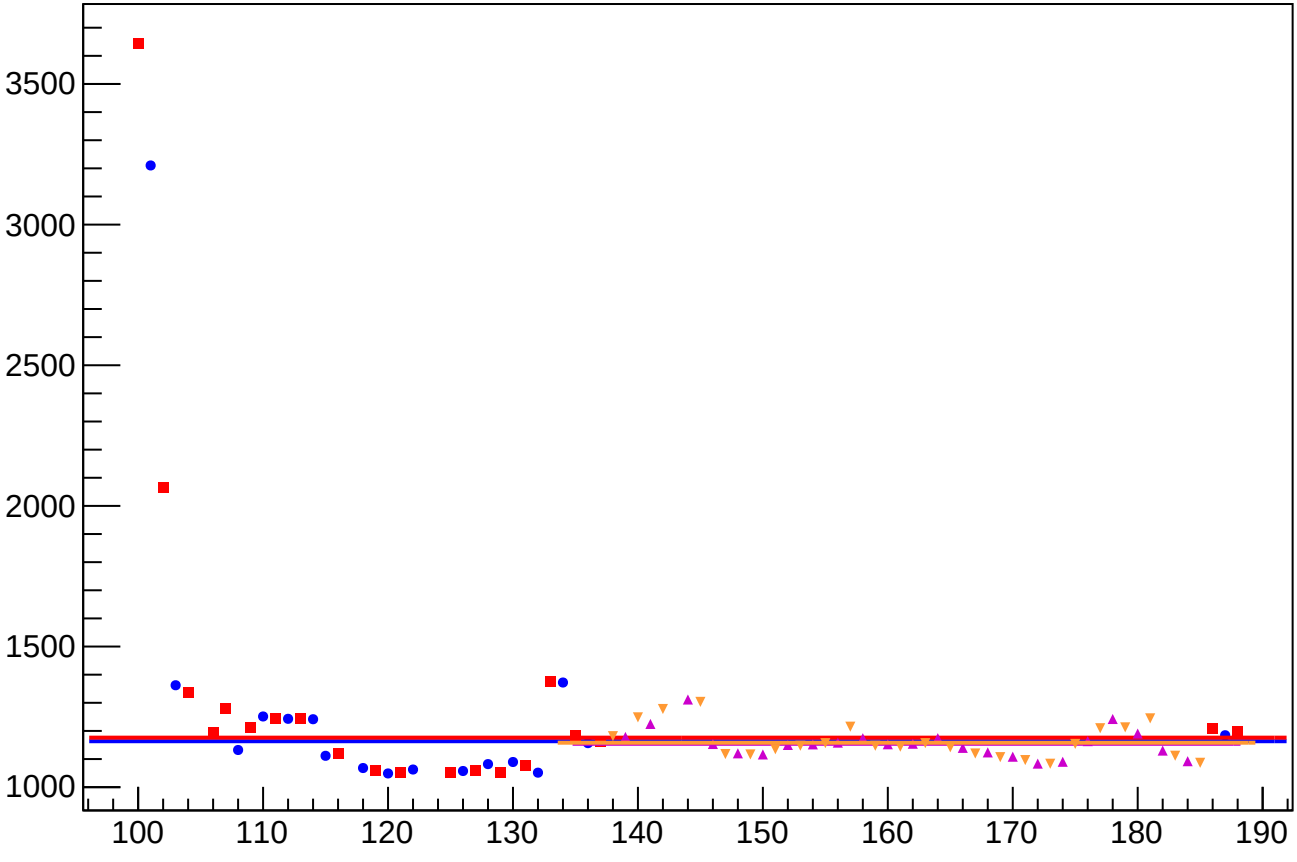
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

\+ sign 375.991+/-229.200 χ^2/NDF: 64.4/40

All: 342.464+/-160.702 χ^2/NDF: 104.7/83

\- sign 310.044+/-225.381 χ^2/NDF: 40.2/42

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1163.413+/-0.309 χ^2/NDF: 635478.5/16

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

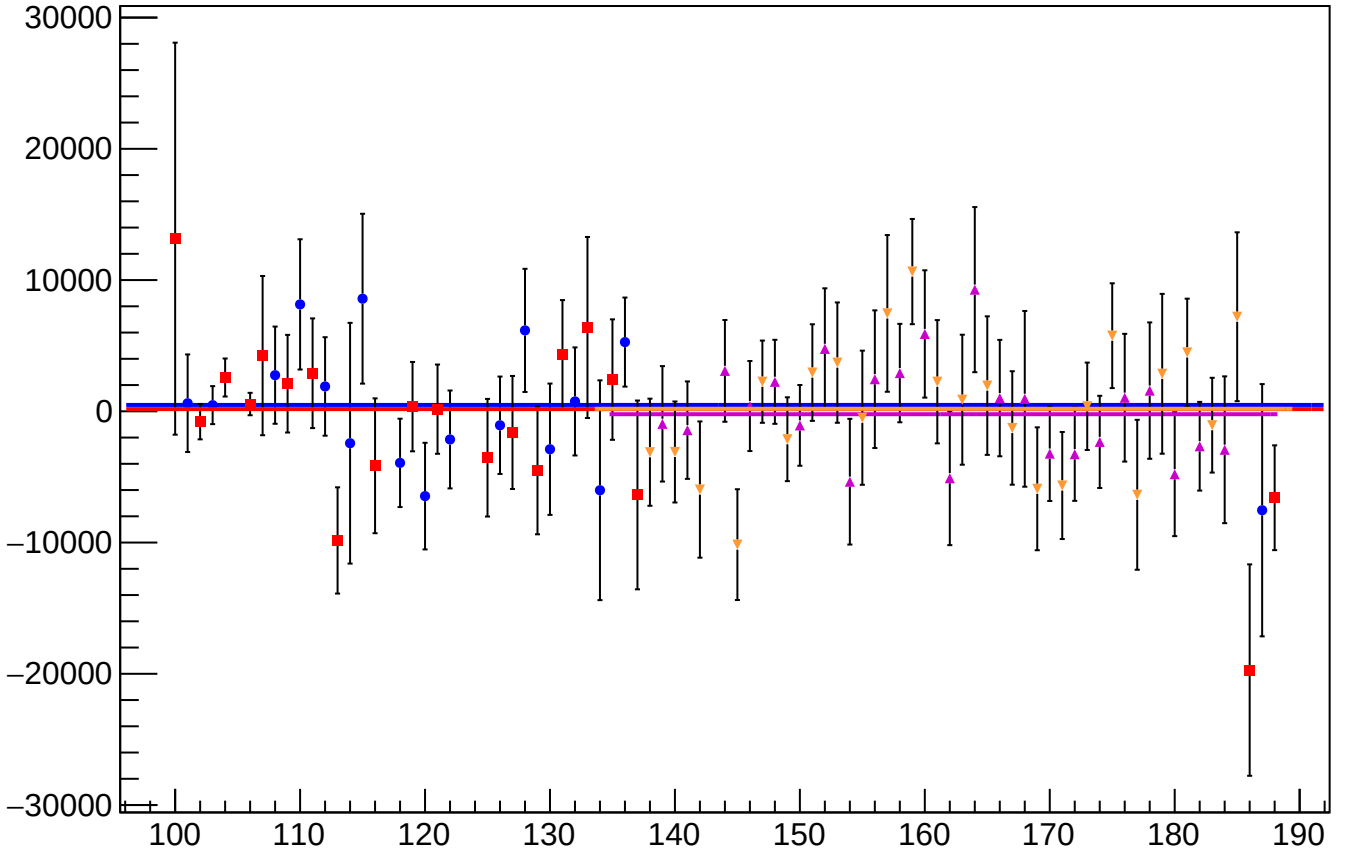
Right Out: 1176.103+/-0.290 χ^2/NDF: 333054.8/19

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1159.617+/-0.162 χ^2/NDF: 719798.4/40

All: 1160.242+/-0.114 χ^2/NDF: 1123334.1/83

- sign 1160.845+/-0.159 χ^2/NDF: 403506.5/42



Right In: 486.146+/-870.534 χ^2/NDF: 15.1/16

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

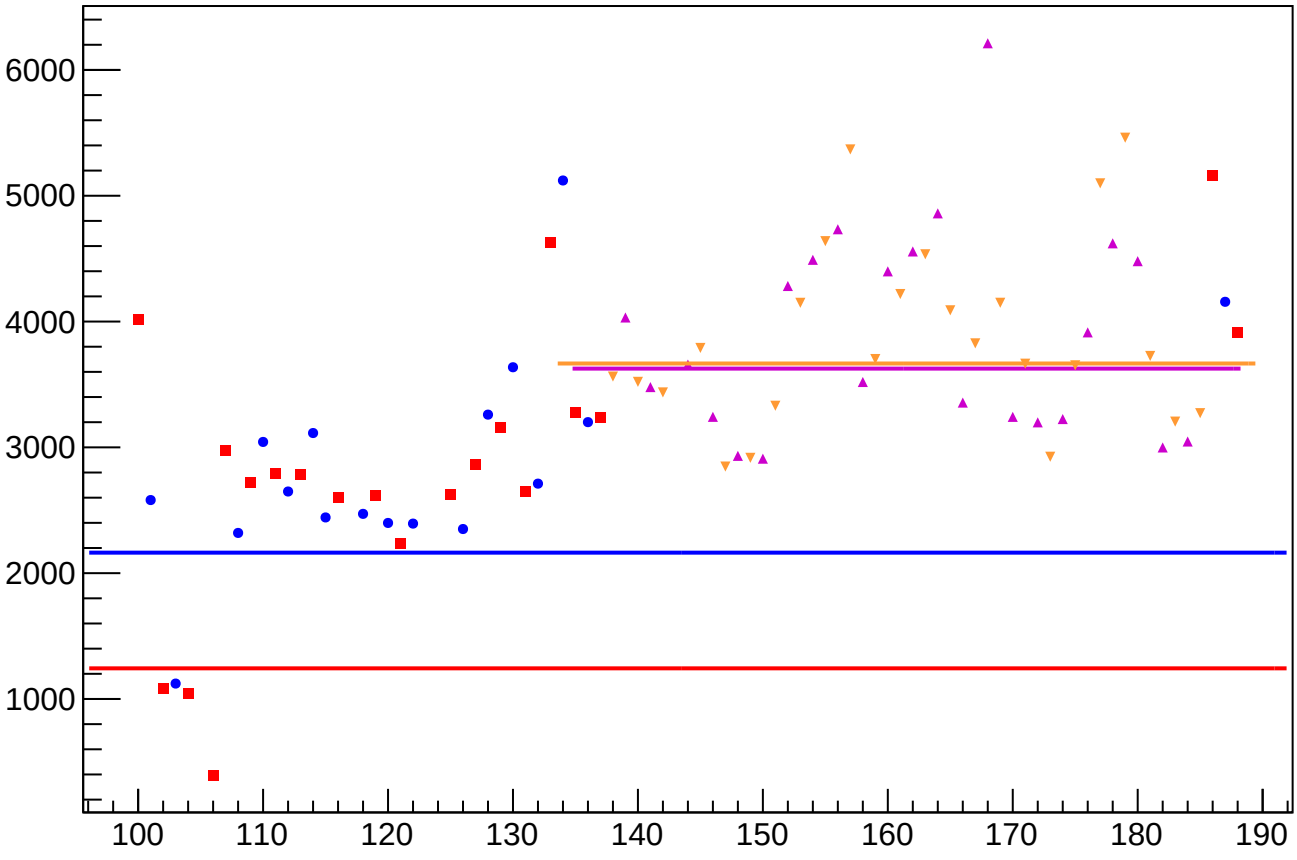
Right Out: 166.665+/-558.921 χ^2/NDF: 25.8/19

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 337.753+/-615.171 χ^2/NDF: 44.4/40

All: 157.366+/-373.177 χ^2/NDF: 83.9/83

- sign 52.334+/-469.412 χ^2/NDF: 39.3/42



Right In: 2163.111+/-0.616 χ^2/NDF: 2061521.9/16

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

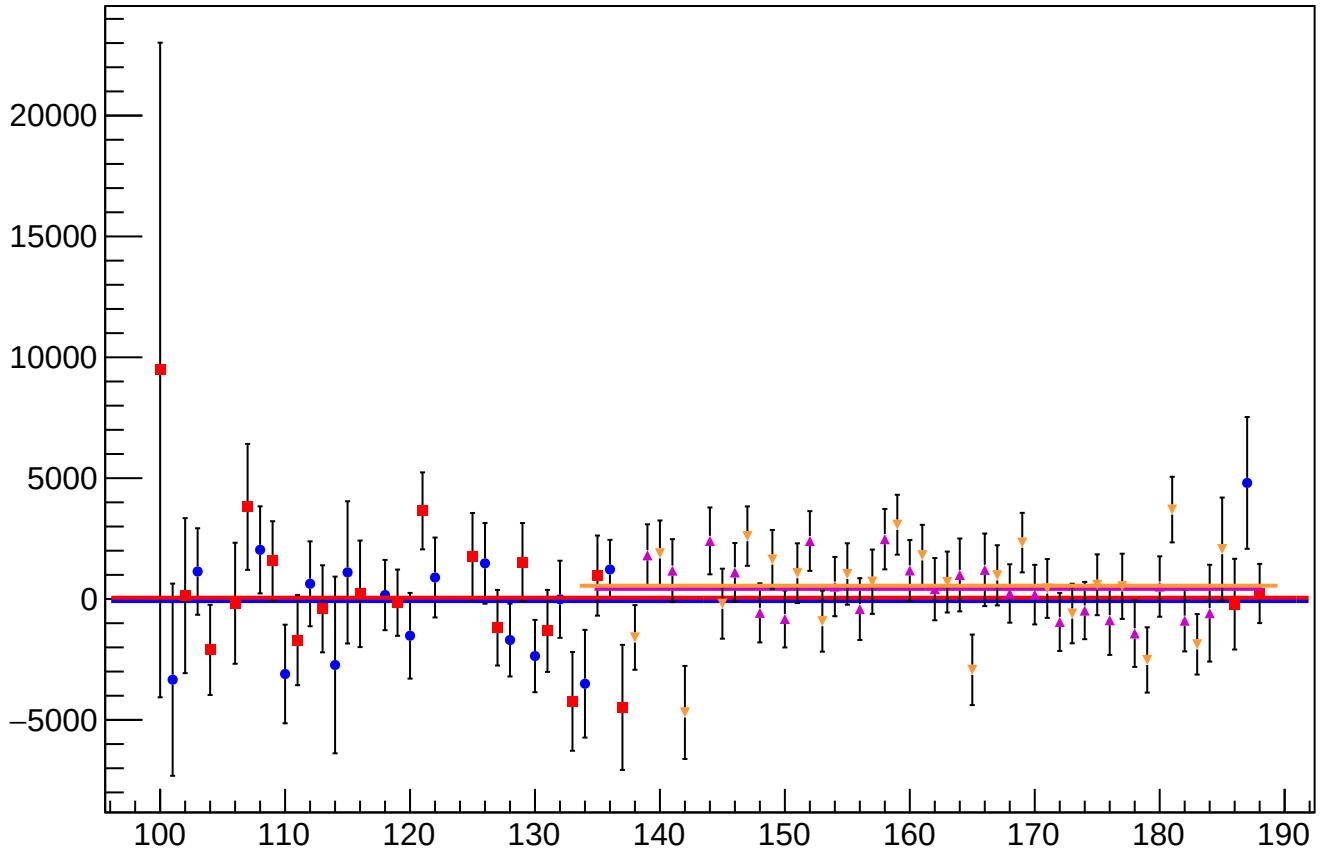
Right Out: 1243.489+/-0.395 χ^2/NDF: 7216375.7/19

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 2915.776+/-0.435 χ^2/NDF: 6143706.4/40

All: 2302.535+/-0.264 χ^2/NDF: 28469956.0/8

- sign 1945.470+/-0.332 χ^2/NDF: 19181559.7/42



Right In: -84.195+/-436.961 χ^2/NDF: 17.6/16

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 53.843+/-409.959 χ^2/NDF: 21.7/19

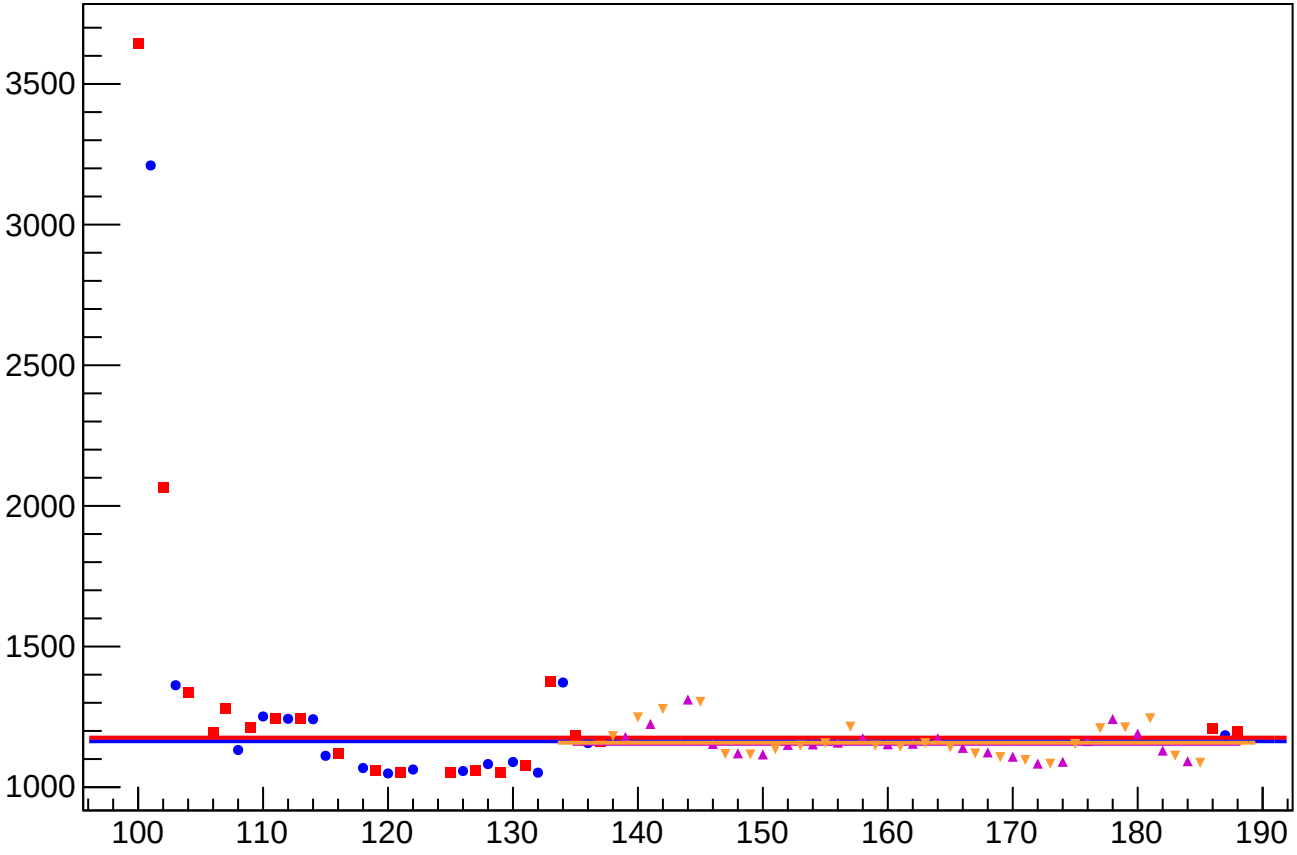
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 375.992+/-229.200 χ^2/NDF: 64.4/40

All: 342.464+/-160.702 χ^2/NDF: 104.7/83

- sign 310.044+/-225.382 χ^2/NDF: 40.2/42

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1163.412+/-0.309 χ^2/NDF: 635478.7/16

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

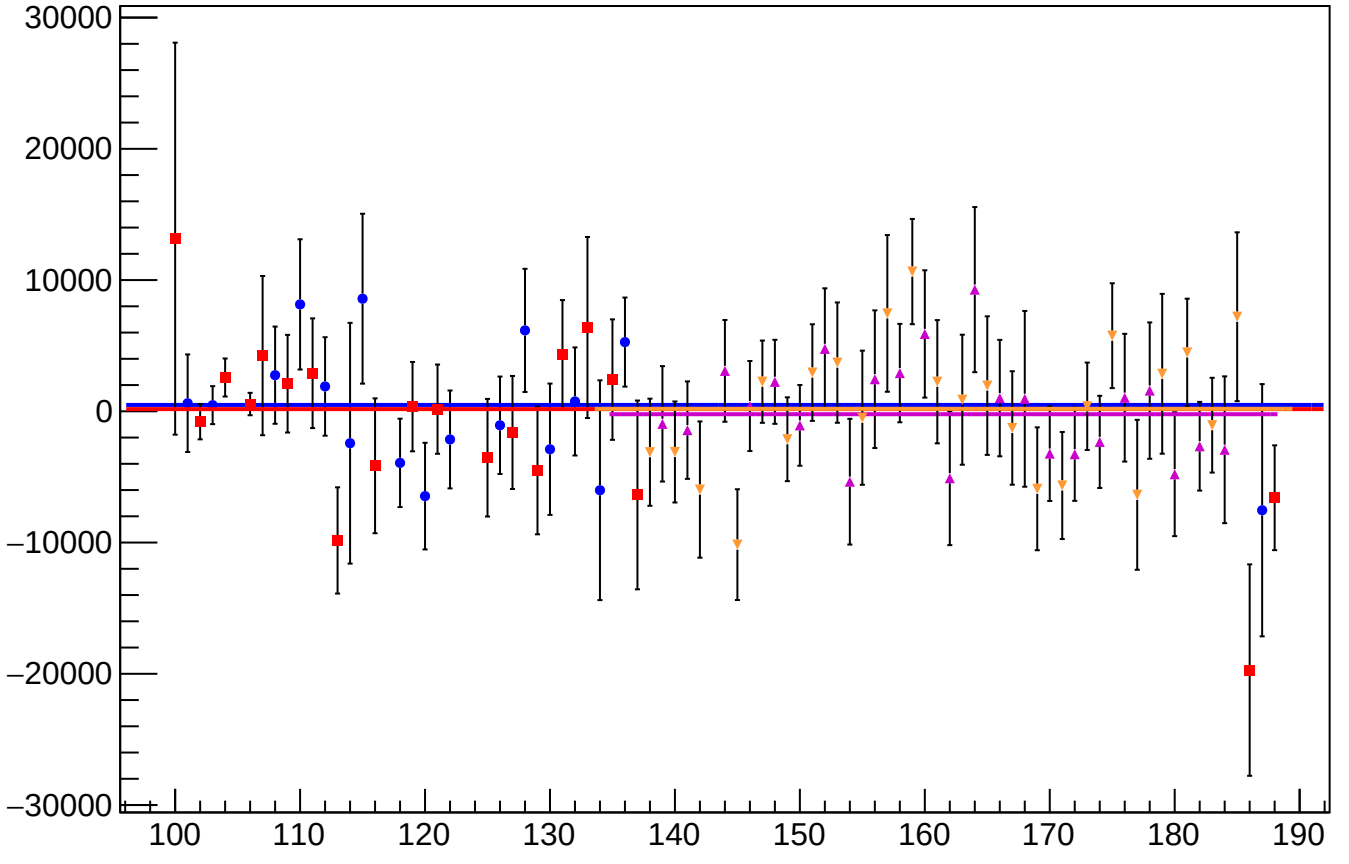
Right Out: 1176.103+/-0.290 χ^2/NDF: 333054.4/19

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1159.618+/-0.162 χ^2/NDF: 719801.0/40

All: 1160.242+/-0.114 χ^2/NDF: 1123338.3/83

- sign 1160.846+/-0.159 χ^2/NDF: 403508.2/42



Right In: 486.139+/-870.533 χ^2/NDF: 15.1/16

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

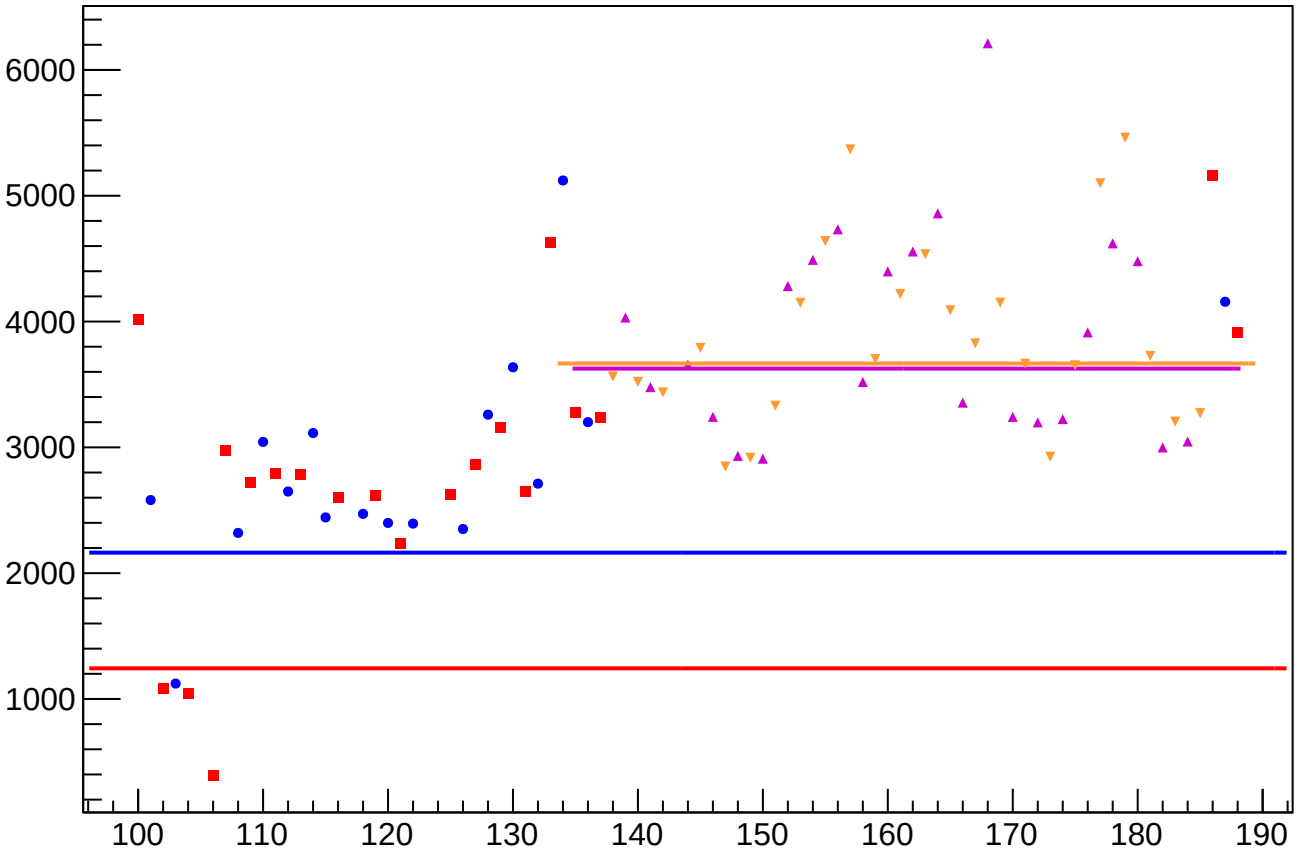
Right Out: 166.672+/-558.915 χ^2/NDF: 25.8/19

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

\+ sign 337.750+/-615.171 χ^2/NDF: 44.4/40

All: 157.368+/-373.175 χ^2/NDF: 83.9/83

\- sign 52.341+/-469.408 χ^2/NDF: 39.3/42



Right In: 2163.108+/-0.616 χ^2/NDF: 2061518.3/16

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1243.465+/-0.395 χ^2/NDF: 7216525.4/19

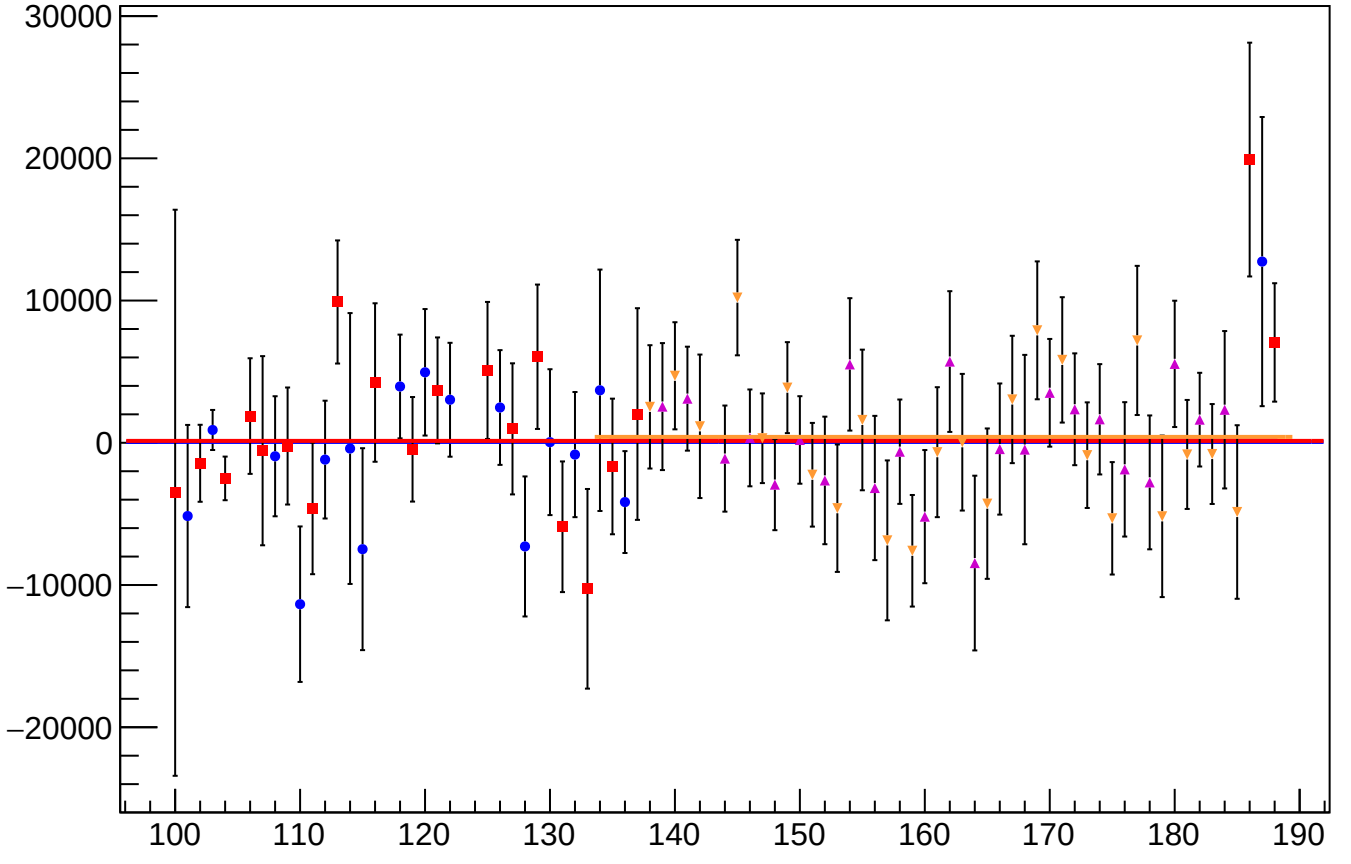
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 2915.775+/-0.435 χ^2/NDF: 6143739.4/40

All: 2302.513+/-0.264 χ^2/NDF: 28470654.7/8

- sign 1945.442+/-0.332 χ^2/NDF: 19182028.7/42

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 59.159+/-916.982 χ^2/NDF: 15.3/16

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: 133.143+/-871.685 χ^2/NDF: 26.3/19

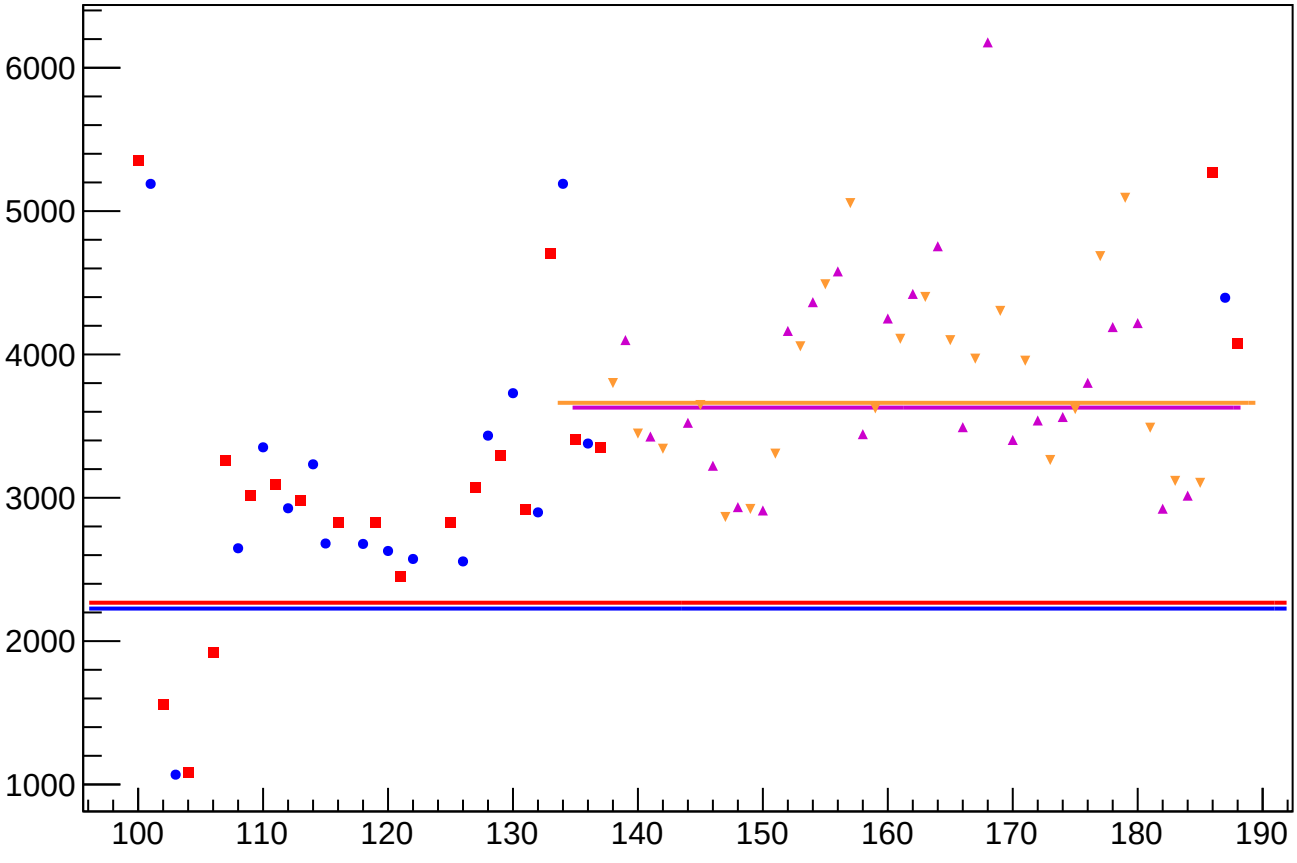
Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 246.587+/-629.350 χ^2/NDF: 42.6/40

All: 258.489+/-439.152 χ^2/NDF: 81.2/83

- sign 269.785+/-613.079 χ^2/NDF: 38.6/42

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2227.139+/-0.648 χ^2/NDF: 2928630.2/16

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

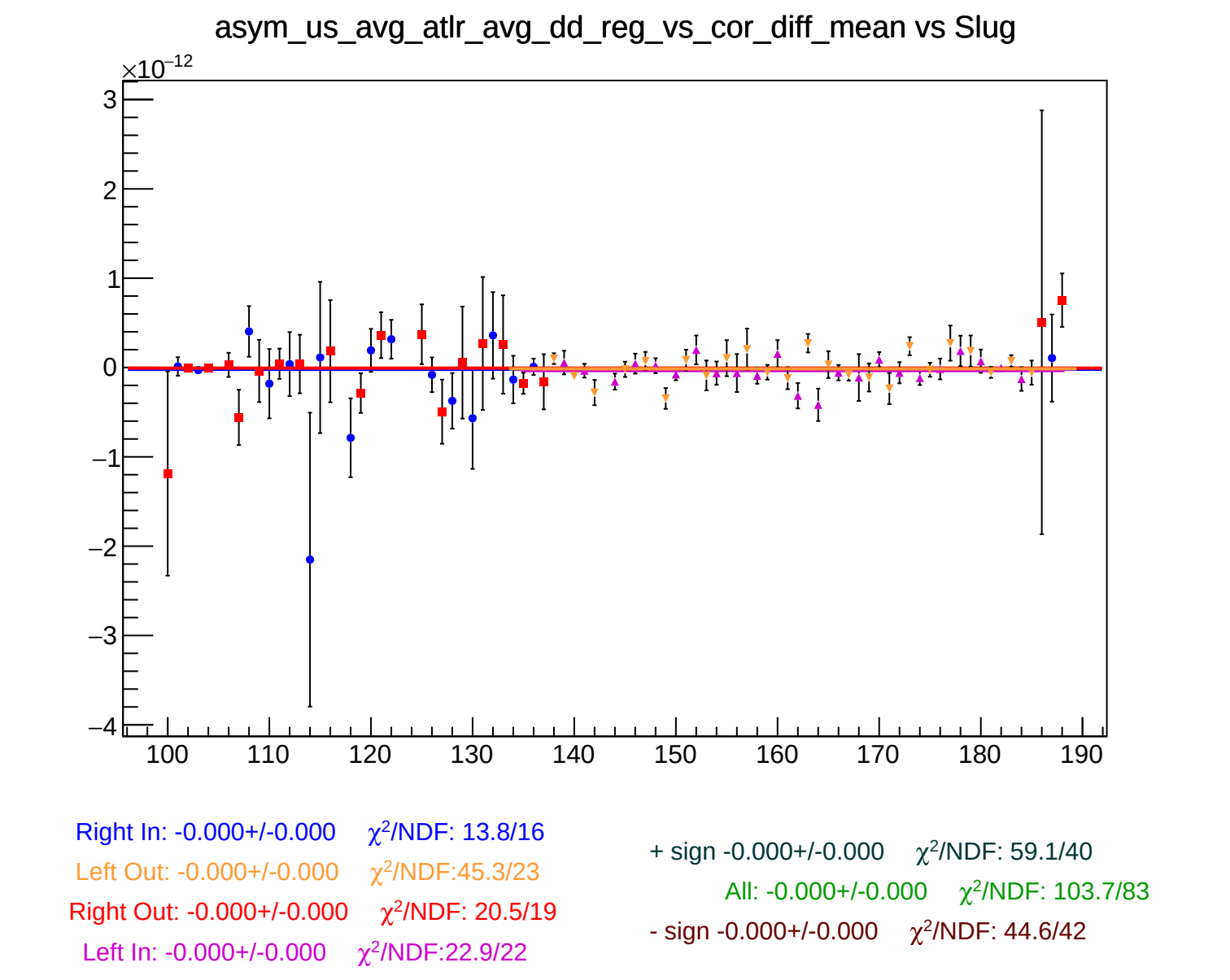
Right Out: 2268.009+/-0.615 χ^2/NDF: 2949213.1/19

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 2986.464+/-0.445 χ^2/NDF: 6414777.1/40

All: 2969.950+/-0.310 χ^2/NDF: 12891685.6/8

- sign 2954.315+/-0.433 χ^2/NDF: 6474227.7/42


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
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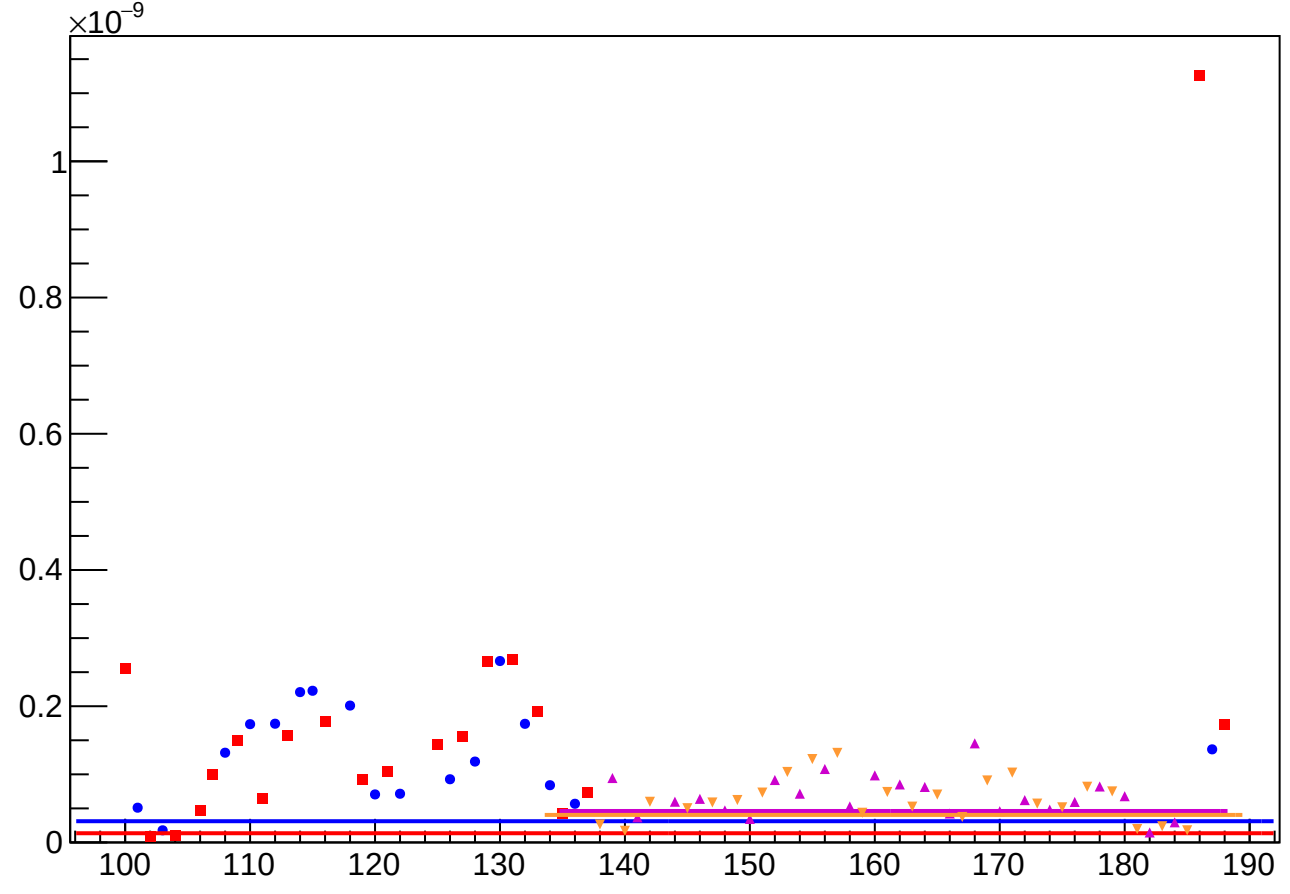
Right In: -0.000+/-0.000 χ²/NDF: 13.8/16
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 20.5/19
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 59.1/40
All: -0.000+/-0.000 χ²/NDF: 103.7/83
- sign -0.000+/-0.000 χ²/NDF: 44.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 3092386.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

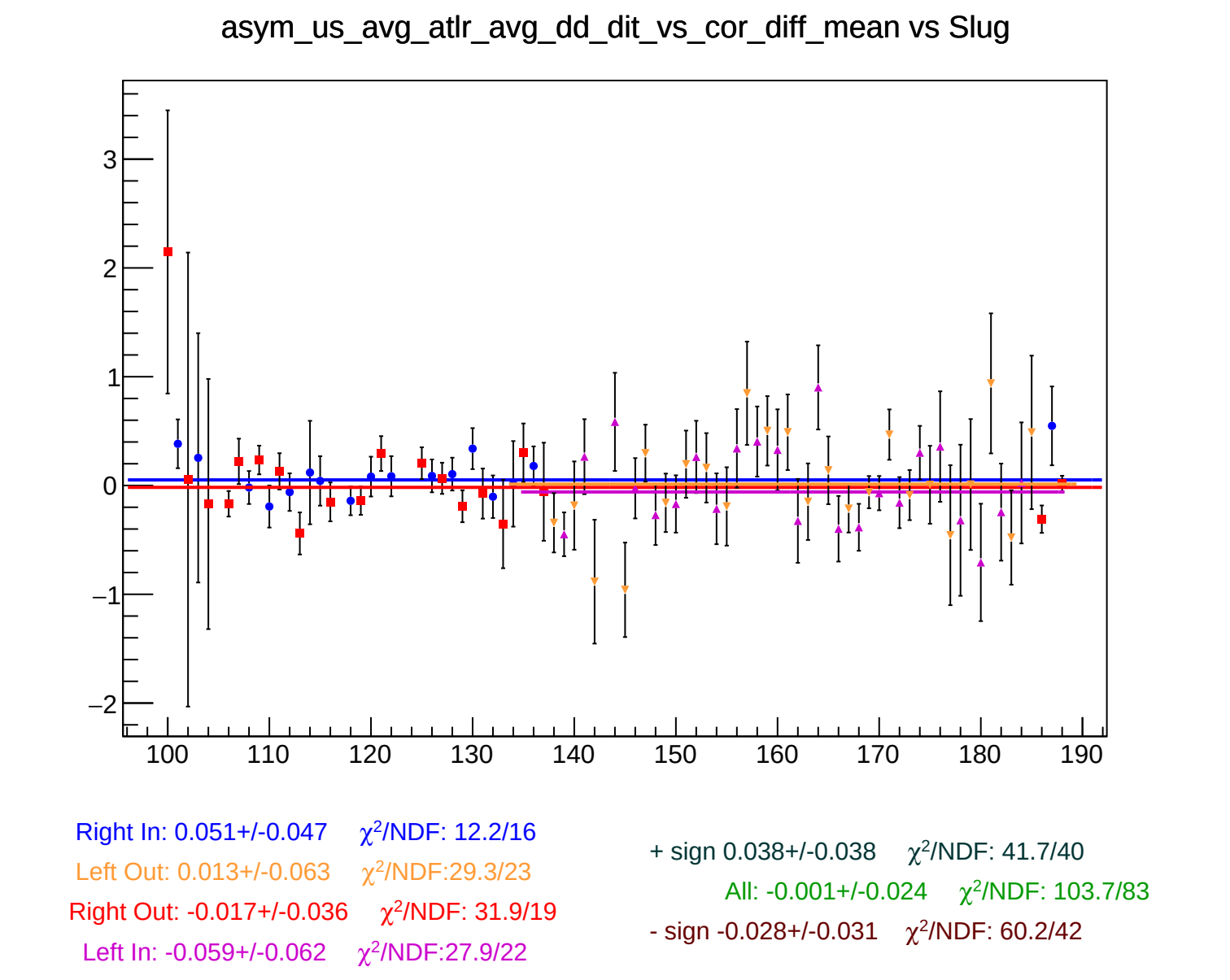
Right Out: 0.000+/-0.000 χ^2/NDF: 4666124.9/19

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6696512.5/40

All: 0.000+/-0.000 χ^2/NDF: 18516185.1/83

- sign 0.000+/-0.000 χ^2/NDF: 11015185.9/42


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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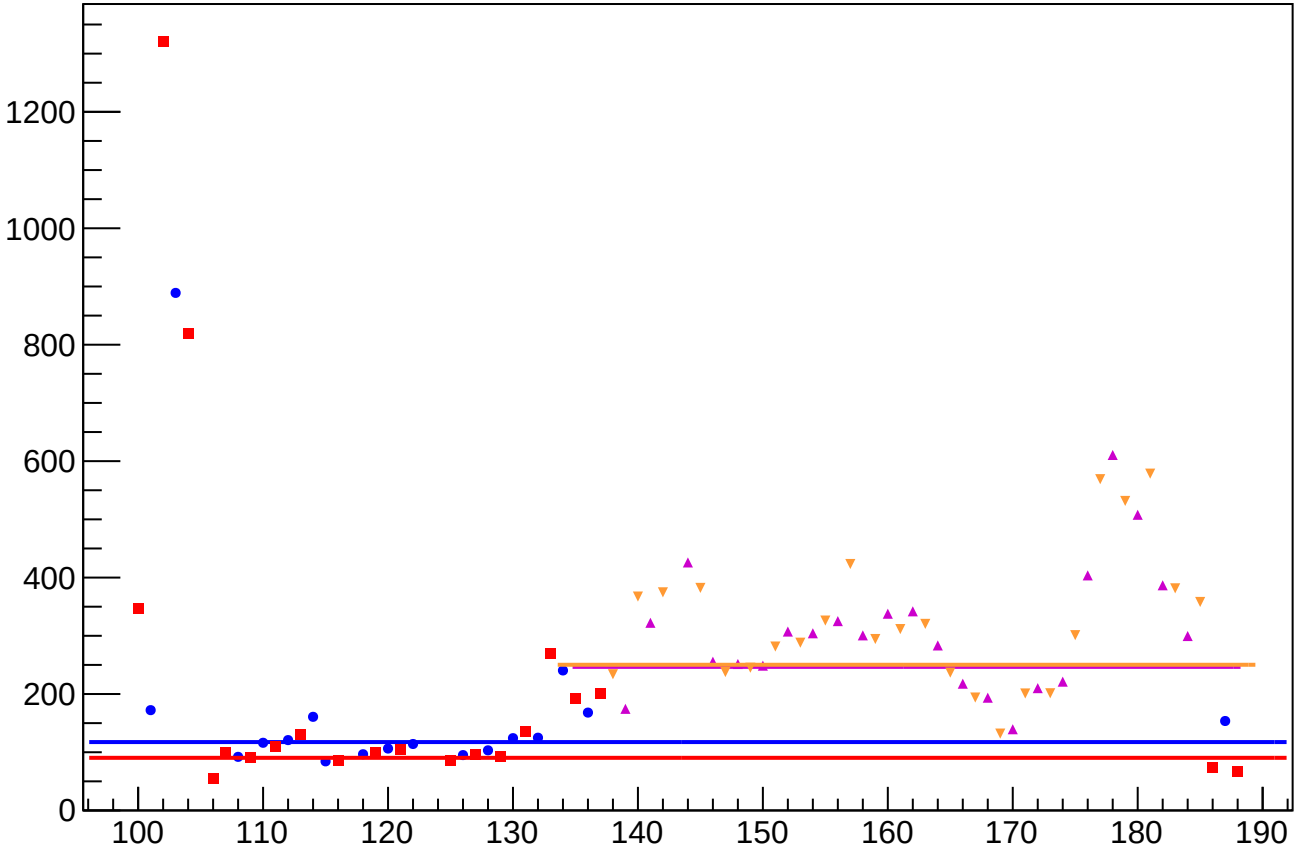
Right In: 0.051+/-0.047 χ²/NDF: 12.2/16
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.017+/-0.036 χ²/NDF: 31.9/19
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.038+/-0.038 χ²/NDF: 41.7/40
All: -0.001+/-0.024 χ²/NDF: 103.7/83
- sign -0.028+/-0.031 χ²/NDF: 60.2/42

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 117.462+/-0.033 χ^2/NDF: 1641117.4/16

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

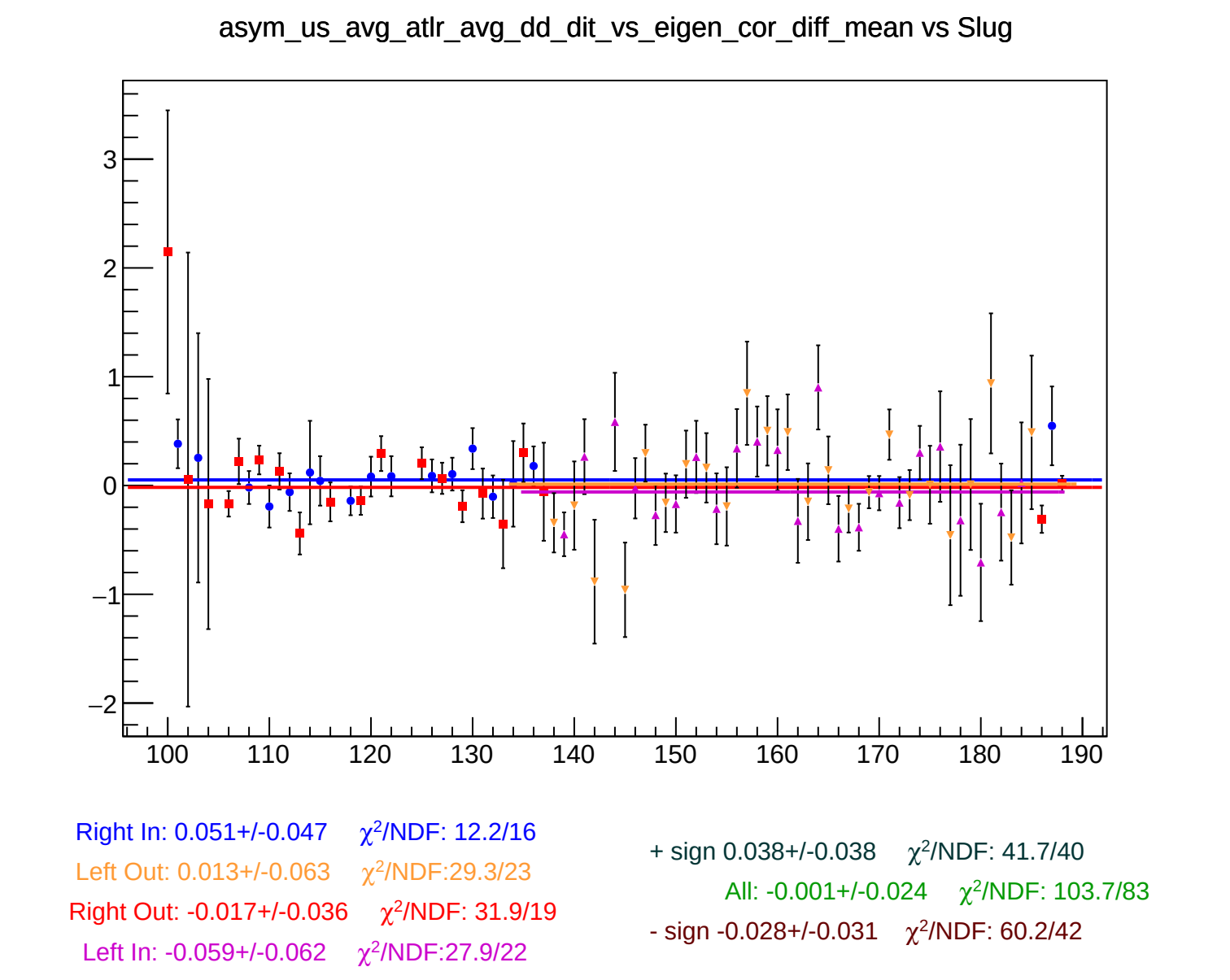
Right Out: 90.412+/-0.025 χ^2/NDF: 3012606.5/19

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 165.015+/-0.027 χ^2/NDF: 11695761.6/40

All: 143.824+/-0.017 χ^2/NDF: 29058594.9/83

- sign 129.487+/-0.022 χ^2/NDF: 16303717.4/42


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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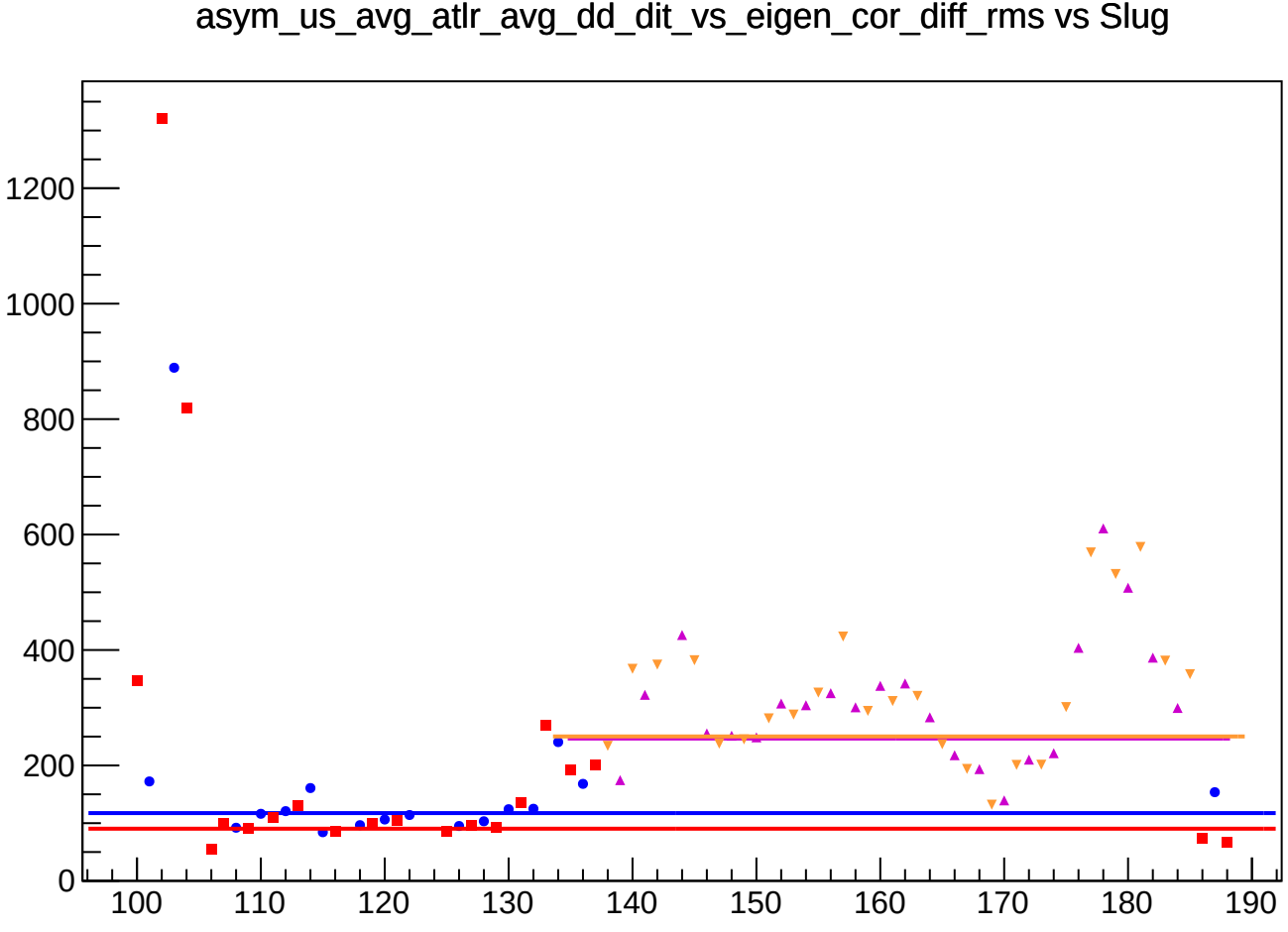
Right In: 0.051+/-0.047 χ²/NDF: 12.2/16
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.017+/-0.036 χ²/NDF: 31.9/19
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.038+/-0.038 χ²/NDF: 41.7/40
All: -0.001+/-0.024 χ²/NDF: 103.7/83
- sign -0.028+/-0.031 χ²/NDF: 60.2/42



Right In: 117.462+/-0.033 χ^2/NDF: 1641117.4/16

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

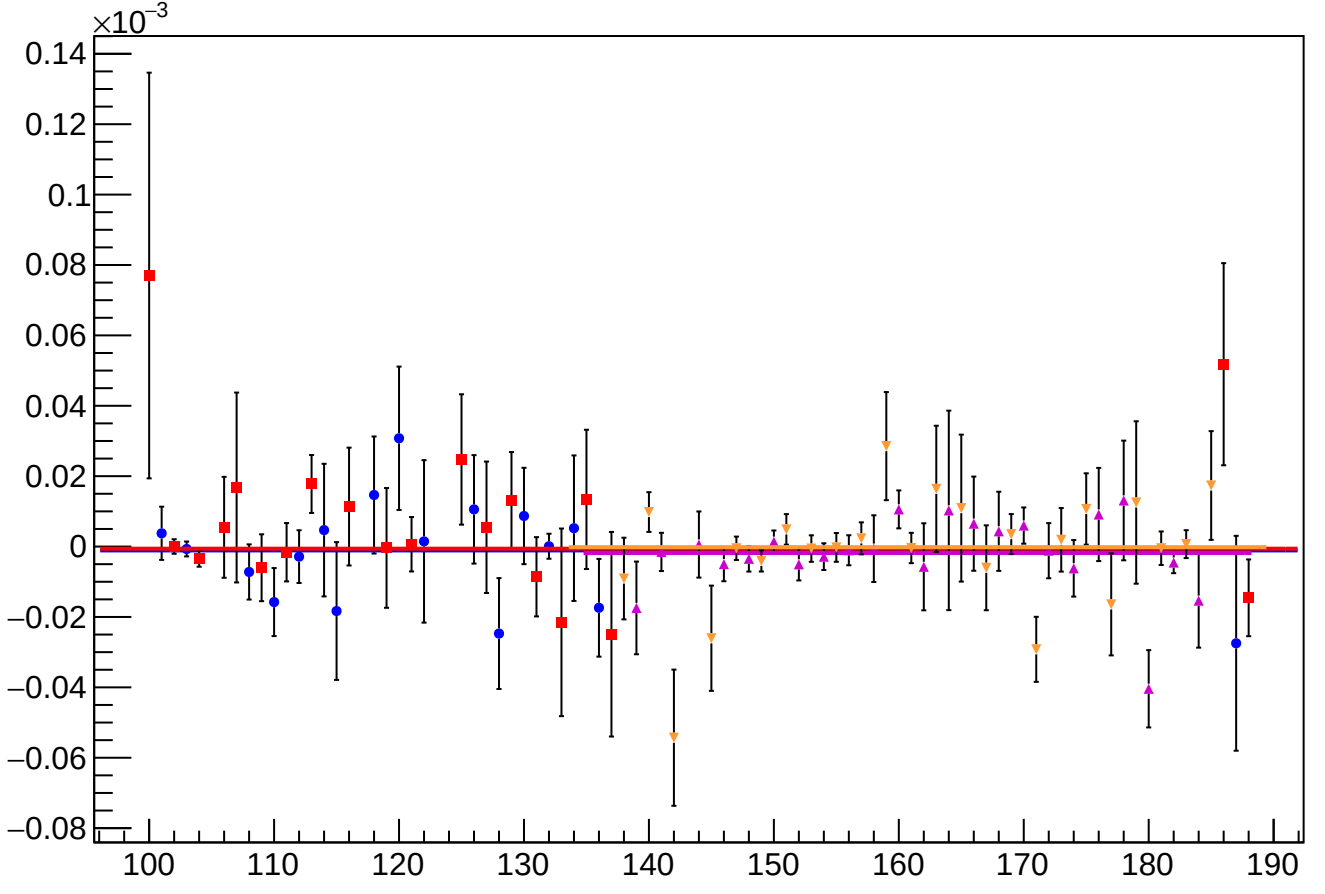
Right Out: 90.412+/-0.025 χ^2/NDF: 3012606.5/19

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 165.015+/-0.027 χ^2/NDF: 11695761.6/40

All: 143.824+/-0.017 χ^2/NDF: 29058594.9/83

- sign 129.487+/-0.022 χ^2/NDF: 16303717.4/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

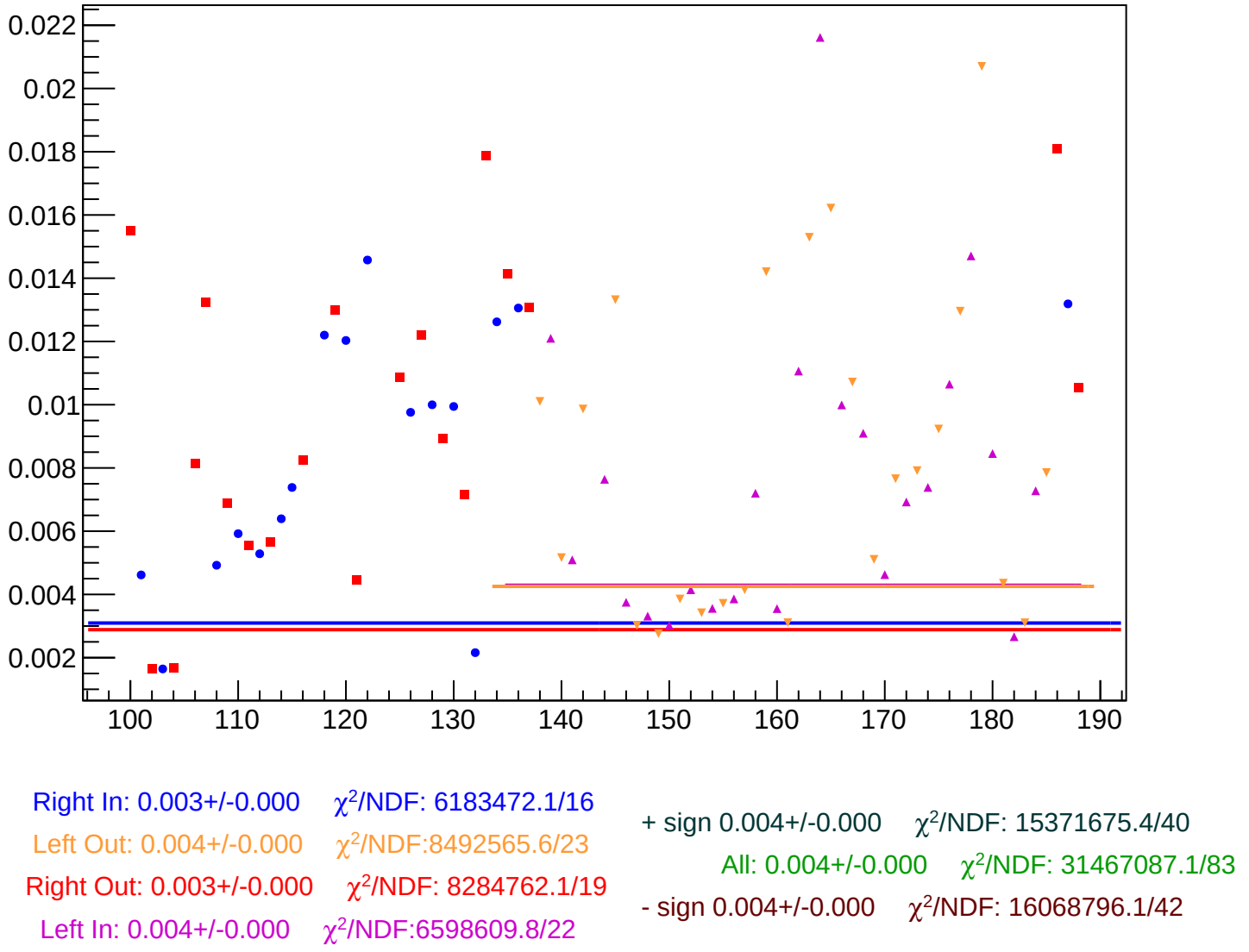
Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/19

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.7/40

All: -0.000+/-0.000 χ^2/NDF: 99.8/83

- sign -0.000+/-0.000 χ^2/NDF: 48.7/42


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
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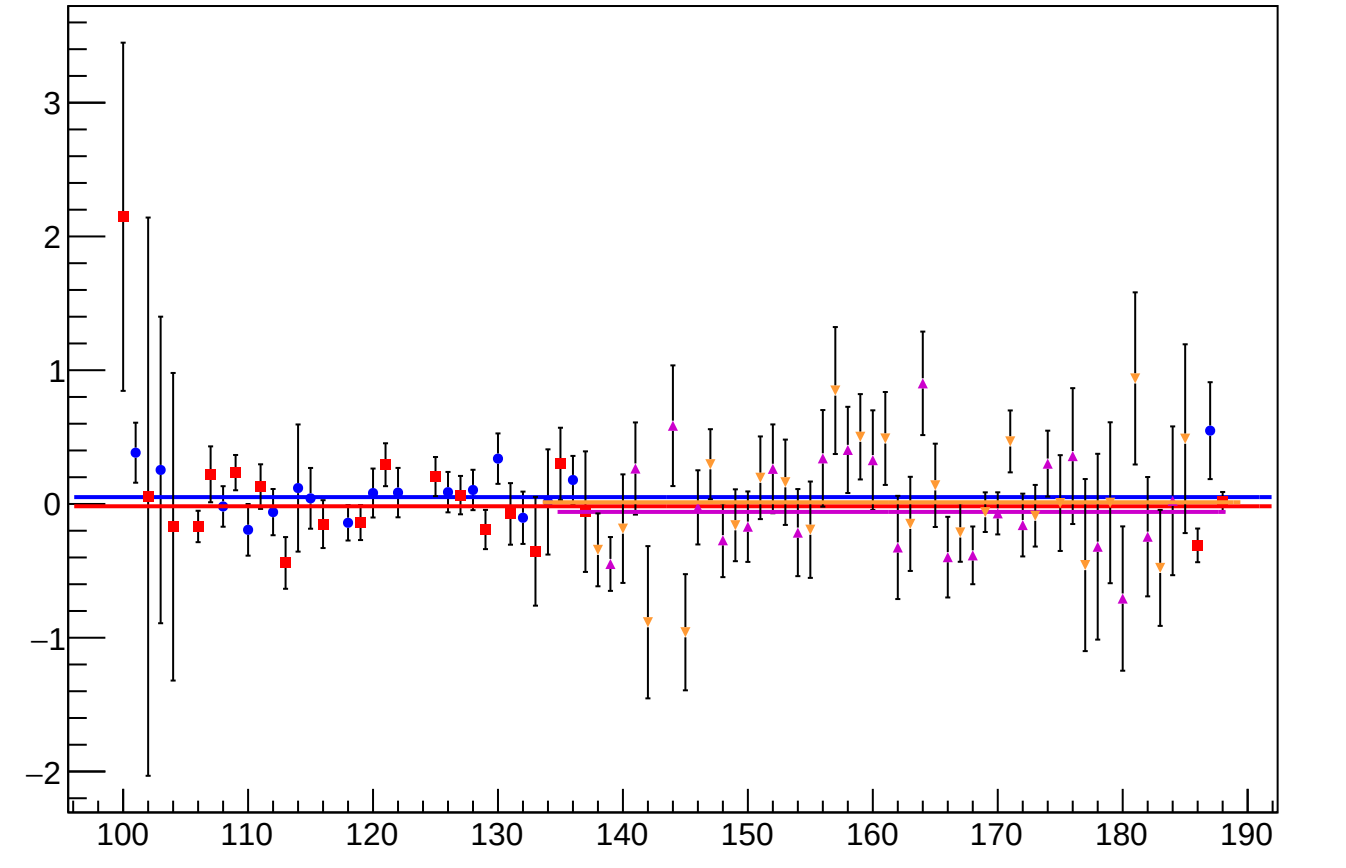
Right In: 0.003+/-0.000 χ²/NDF: 6183472.1/16
Left Out: 0.004+/-0.000 χ²/NDF:8492565.6/23
Right Out: 0.003+/-0.000 χ²/NDF: 8284762.1/19
Left In: 0.004+/-0.000 χ²/NDF:6598609.8/22
+ sign 0.004+/-0.000 χ²/NDF: 15371675.4/40
All: 0.004+/-0.000 χ²/NDF: 31467087.1/83
- sign 0.004+/-0.000 χ²/NDF: 16068796.1/42



Right In: 0.051+/-0.047 χ^2/NDF: 12.2/16

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

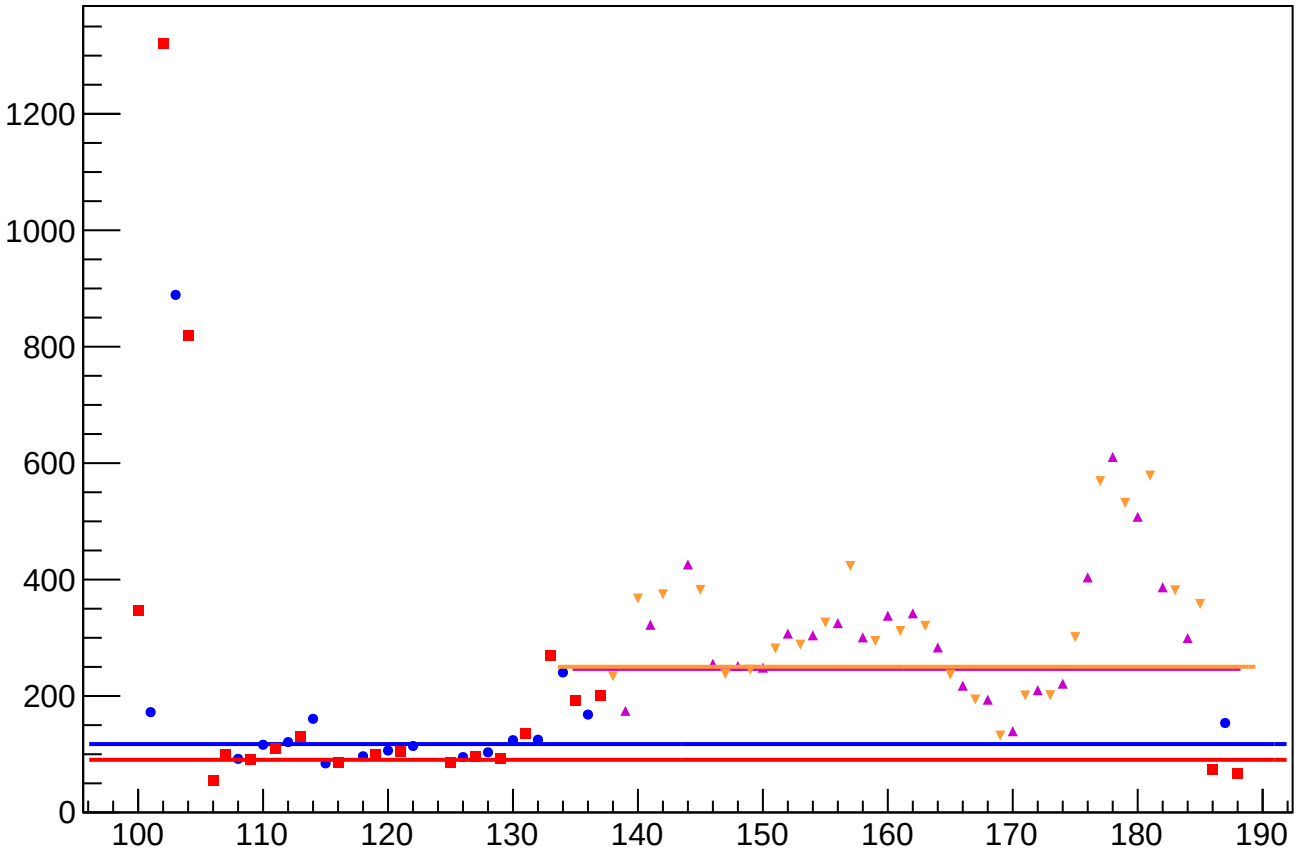
Right Out: -0.017+/-0.036 χ^2/NDF: 31.9/19

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.038+/-0.038 χ^2/NDF: 41.7/40

All: -0.001+/-0.024 χ^2/NDF: 103.7/83

- sign -0.028+/-0.031 χ^2/NDF: 60.2/42



Right In: 117.462+/-0.033 χ^2/NDF: 1641114.3/16

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

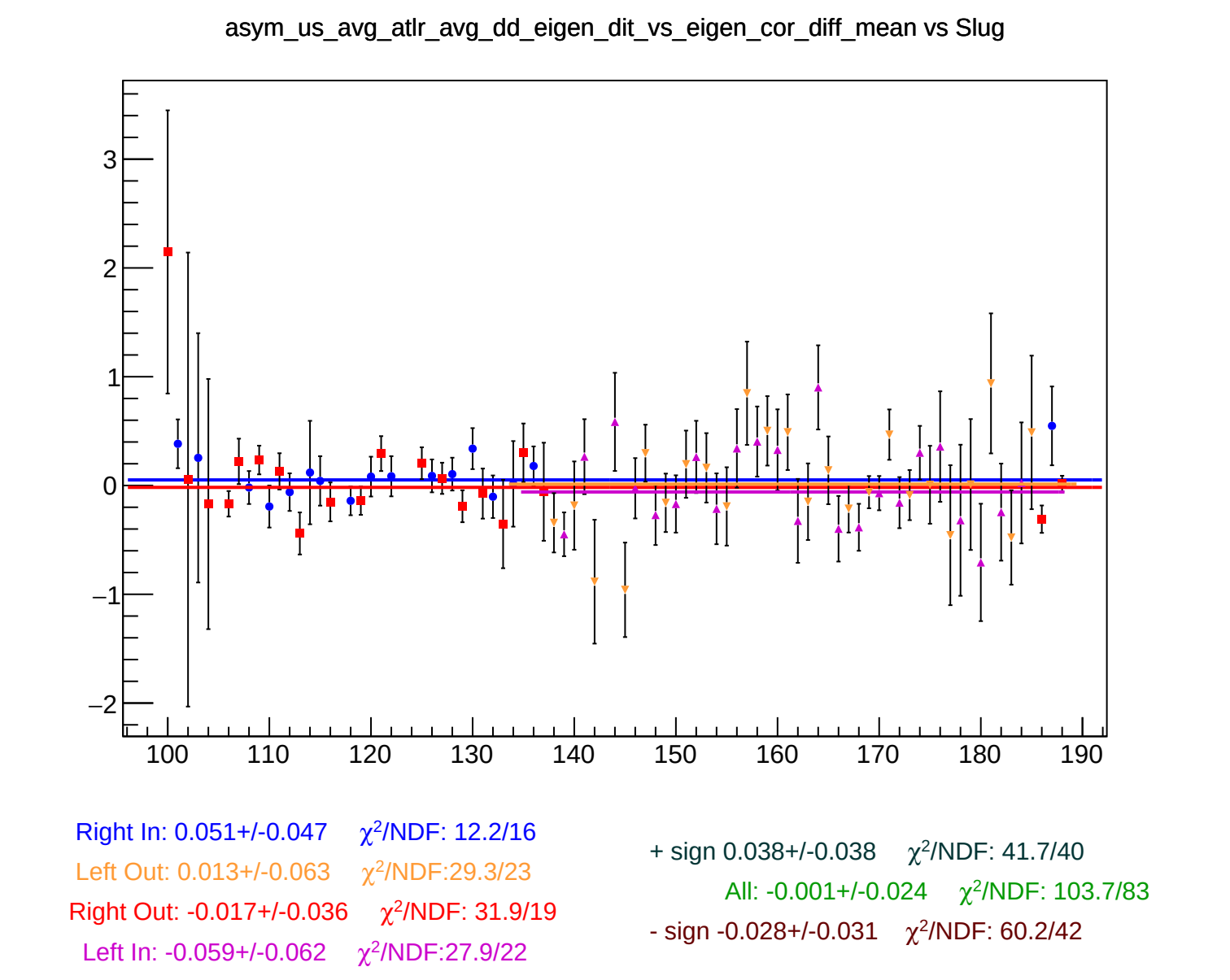
Right Out: 90.408+/-0.025 χ^2/NDF: 3012829.1/19

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 165.015+/-0.027 χ^2/NDF: 11695934.3/40

All: 143.820+/-0.017 χ^2/NDF: 29059998.4/83

- sign 129.483+/-0.022 χ^2/NDF: 16304676.5/42


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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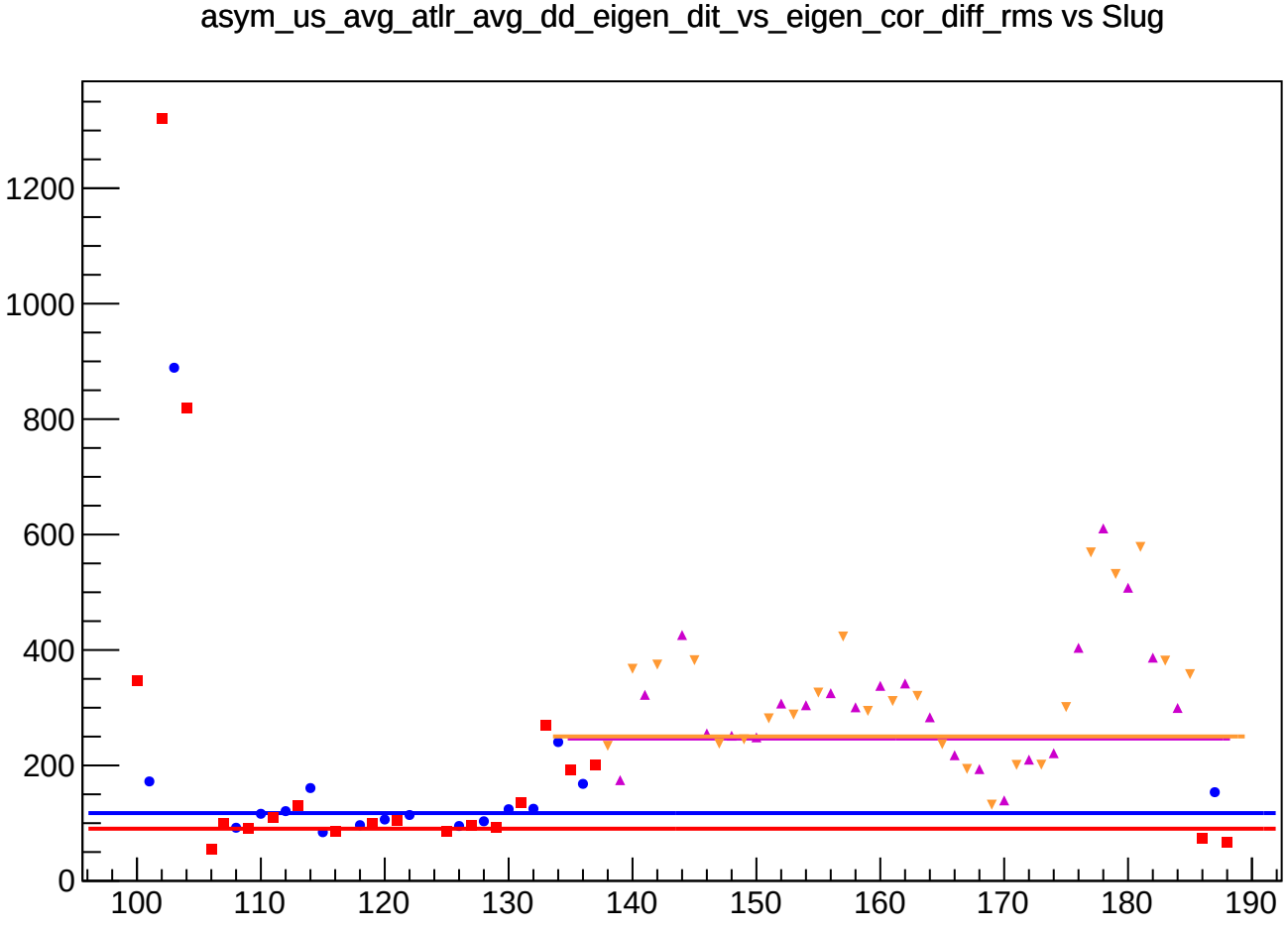
Right In: 0.051+/-0.047 χ²/NDF: 12.2/16
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.017+/-0.036 χ²/NDF: 31.9/19
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.038+/-0.038 χ²/NDF: 41.7/40
All: -0.001+/-0.024 χ²/NDF: 103.7/83
- sign -0.028+/-0.031 χ²/NDF: 60.2/42



Right In: 117.462+/-0.033 χ^2/NDF: 1641114.3/16

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

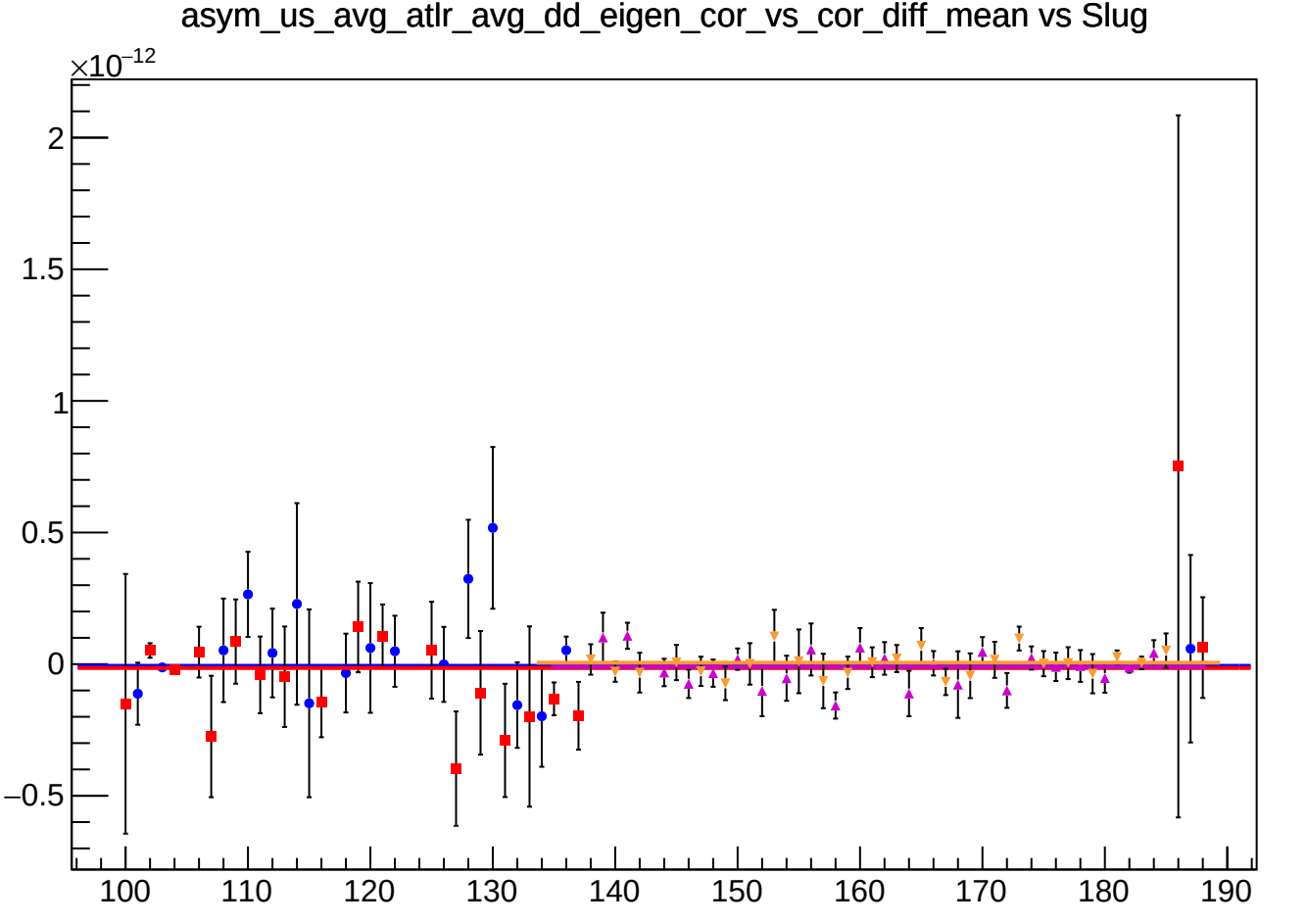
Right Out: 90.408+/-0.025 χ^2/NDF: 3012829.1/19

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 165.015+/-0.027 χ^2/NDF: 11695934.3/40

All: 143.820+/-0.017 χ^2/NDF: 29059998.4/83

- sign 129.483+/-0.022 χ^2/NDF: 16304676.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

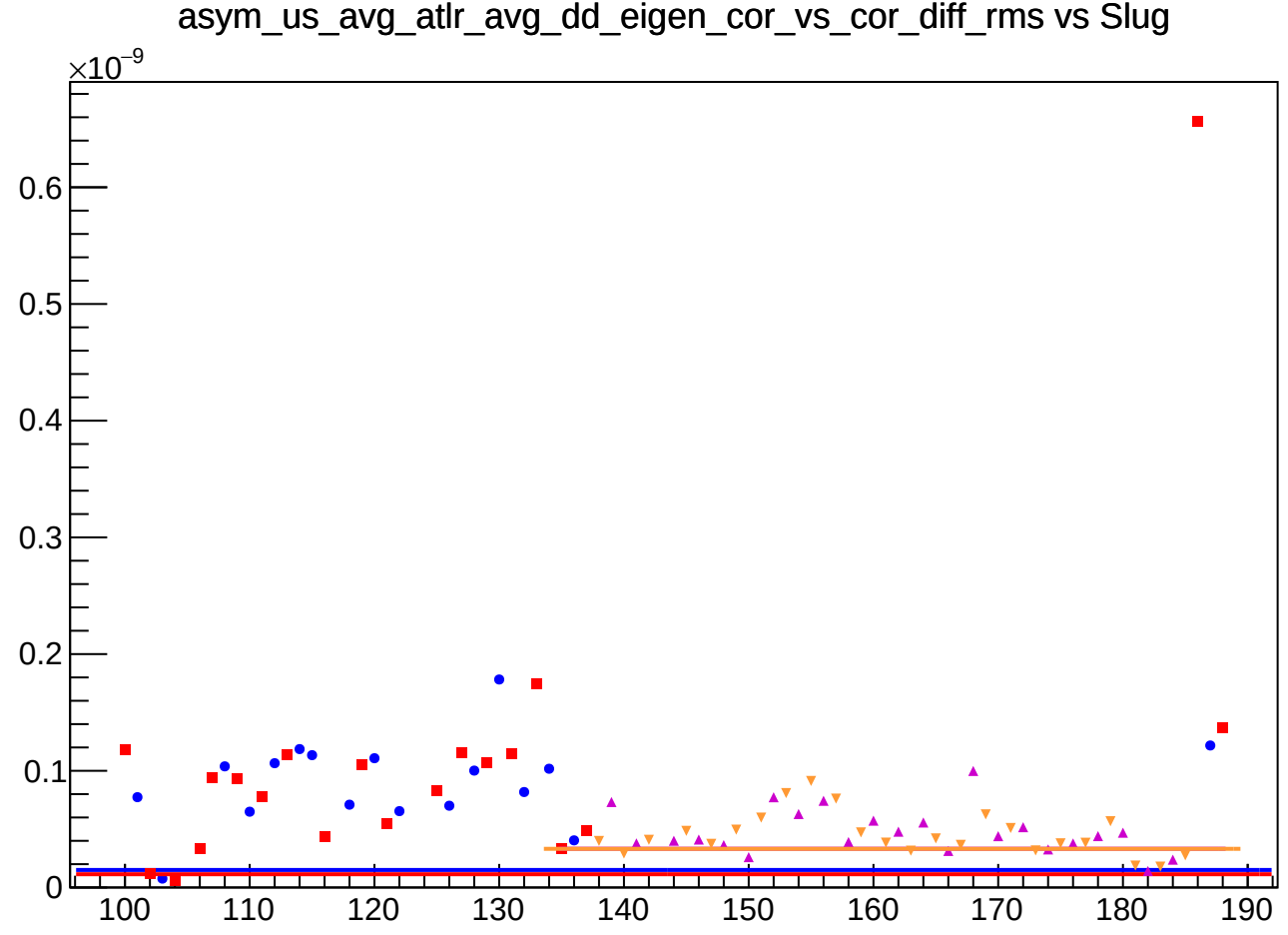
Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/19

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/40

All: -0.000+/-0.000 χ^2/NDF: 79.3/83

- sign -0.000+/-0.000 χ^2/NDF: 50.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 6072639.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7200210.1/19

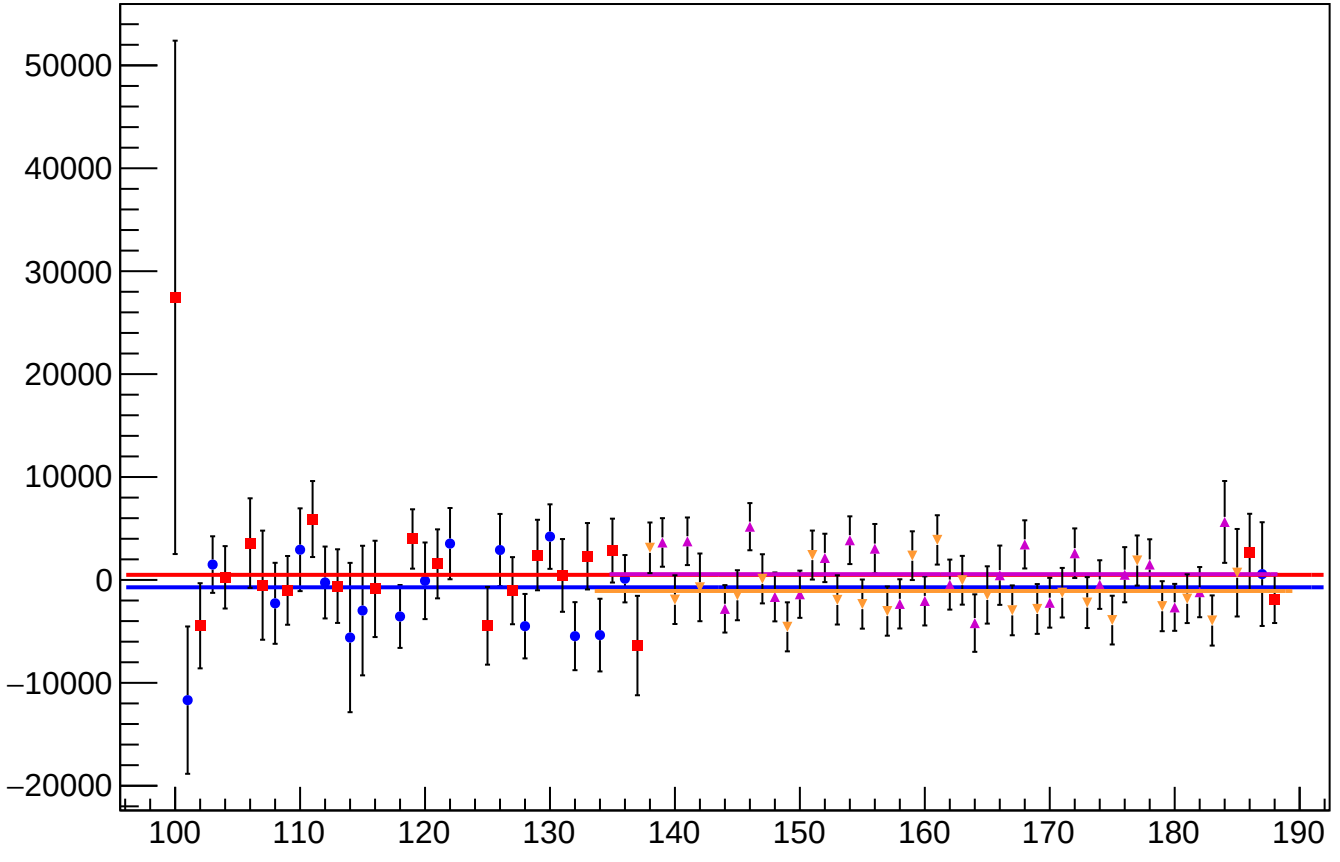
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12577920.9/40

All: 0.000+/-0.000 χ^2/NDF: 29686327.8/83

- sign 0.000+/-0.000 χ^2/NDF: 16830394.7/42

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -715.819+/-859.857 χ^2/NDF: 15.9/16

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 494.380+/-795.359 χ^2/NDF: 13.8/19

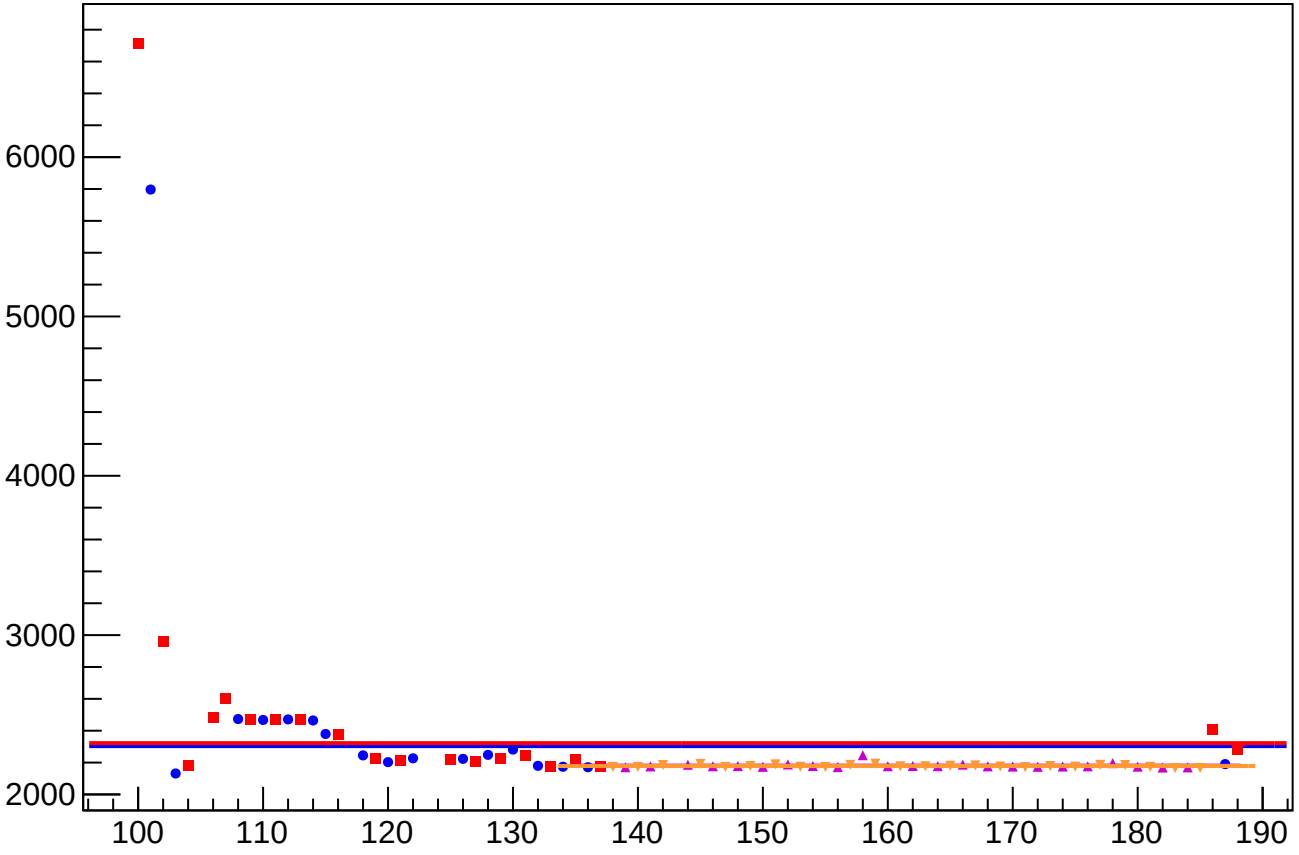
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -981.149+/-435.796 χ^2/NDF: 37.6/40

All: -208.945+/-305.668 χ^2/NDF: 86.3/83

- sign 538.832+/-428.848 χ^2/NDF: 42.5/42

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2303.259+/-0.608 χ^2/NDF: 515183.3/16

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

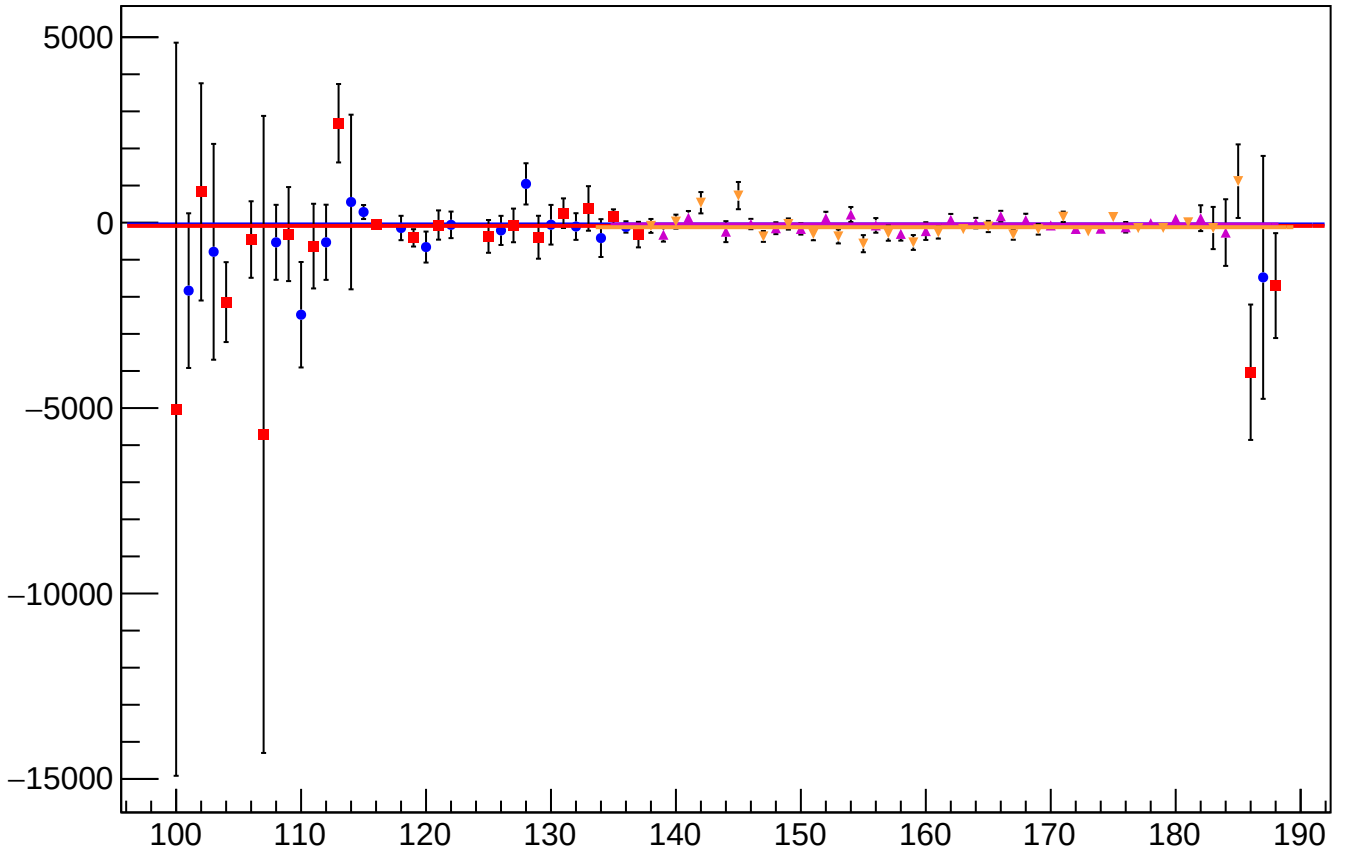
Right Out: 2322.153+/-0.562 χ^2/NDF: 153327.0/19

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2210.357+/-0.308 χ^2/NDF: 546989.7/40

All: 2216.261+/-0.216 χ^2/NDF: 747635.8/83

- sign 2221.979+/-0.303 χ^2/NDF: 199923.5/42



Right In: -49.026+/-90.879 χ^2/NDF: 14.6/16

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: -87.703+/-82.161 χ^2/NDF: 23.6/19

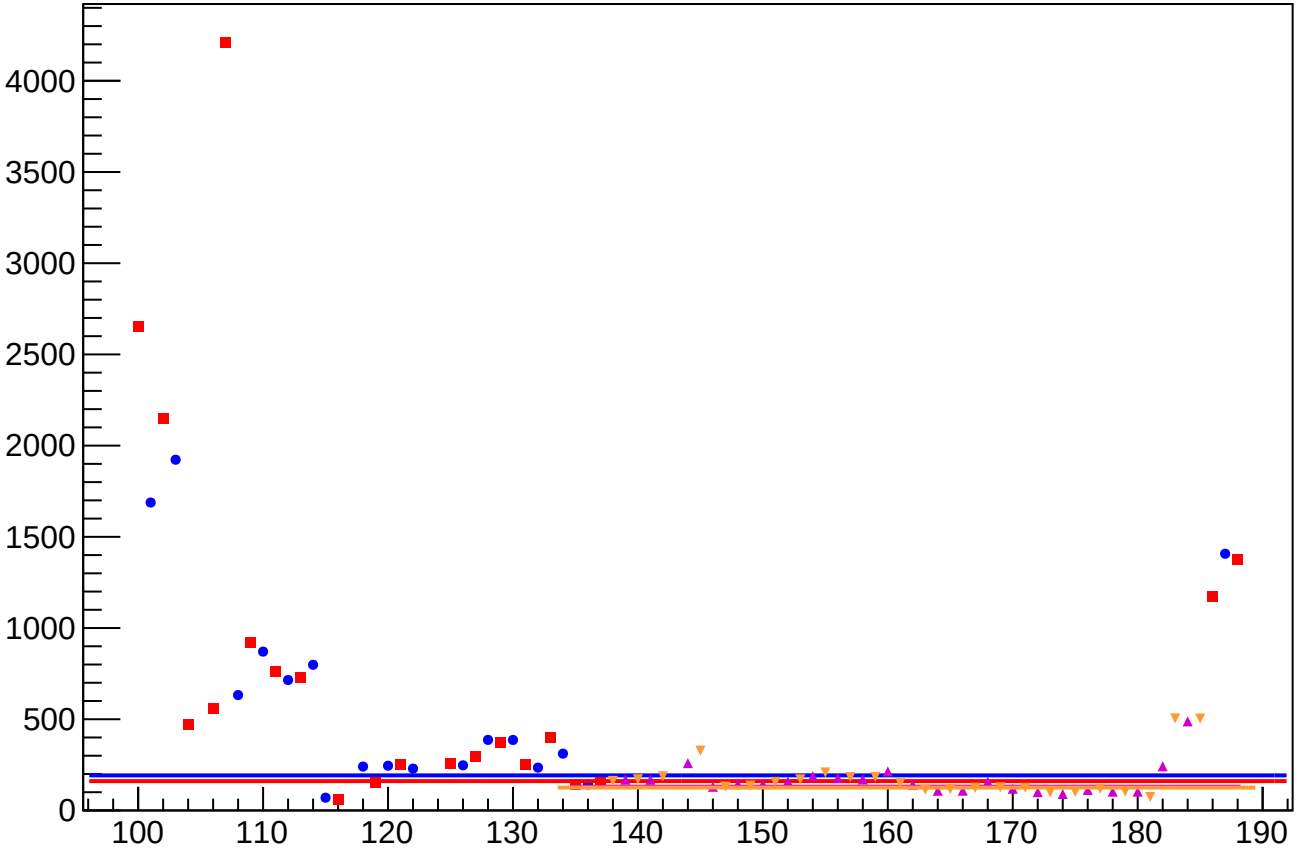
Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -115.114+/-29.685 χ^2/NDF: 59.0/40

All: -85.821+/-21.190 χ^2/NDF: 103.0/83

- sign -55.387+/-30.258 χ^2/NDF: 42.0/42

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 192.317+/-0.064 χ^2/NDF: 5340213.8/16

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 160.860+/-0.058 χ^2/NDF: 8255840.3/19

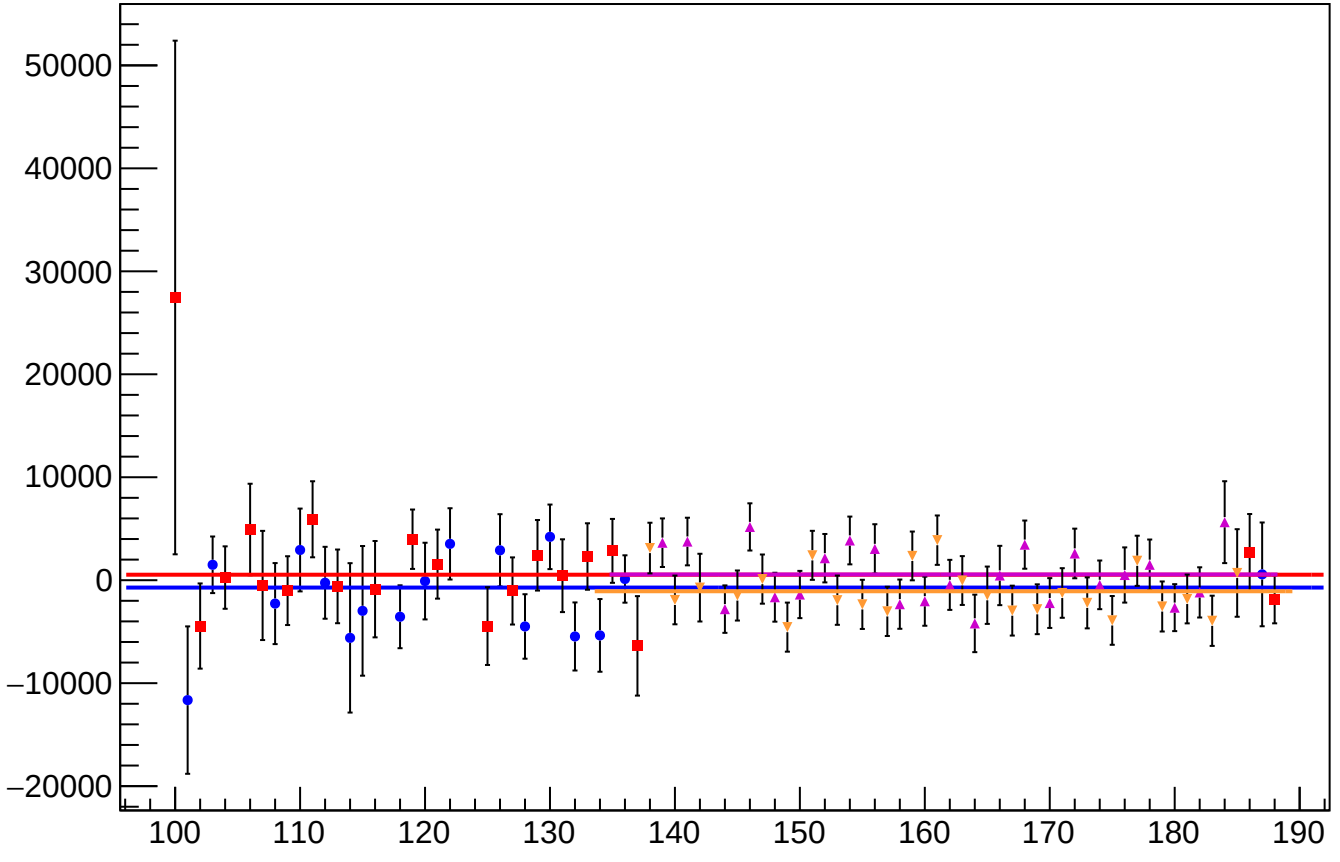
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 132.635+/-0.021 χ^2/NDF: 10248542.0/40

All: 133.580+/-0.015 χ^2/NDF: 21425258.4/83

- sign 134.562+/-0.021 χ^2/NDF: 11172579.9/42

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -714.901+/-859.857 χ^2/NDF: 15.9/16

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 533.477+/-795.911 χ^2/NDF: 14.3/19

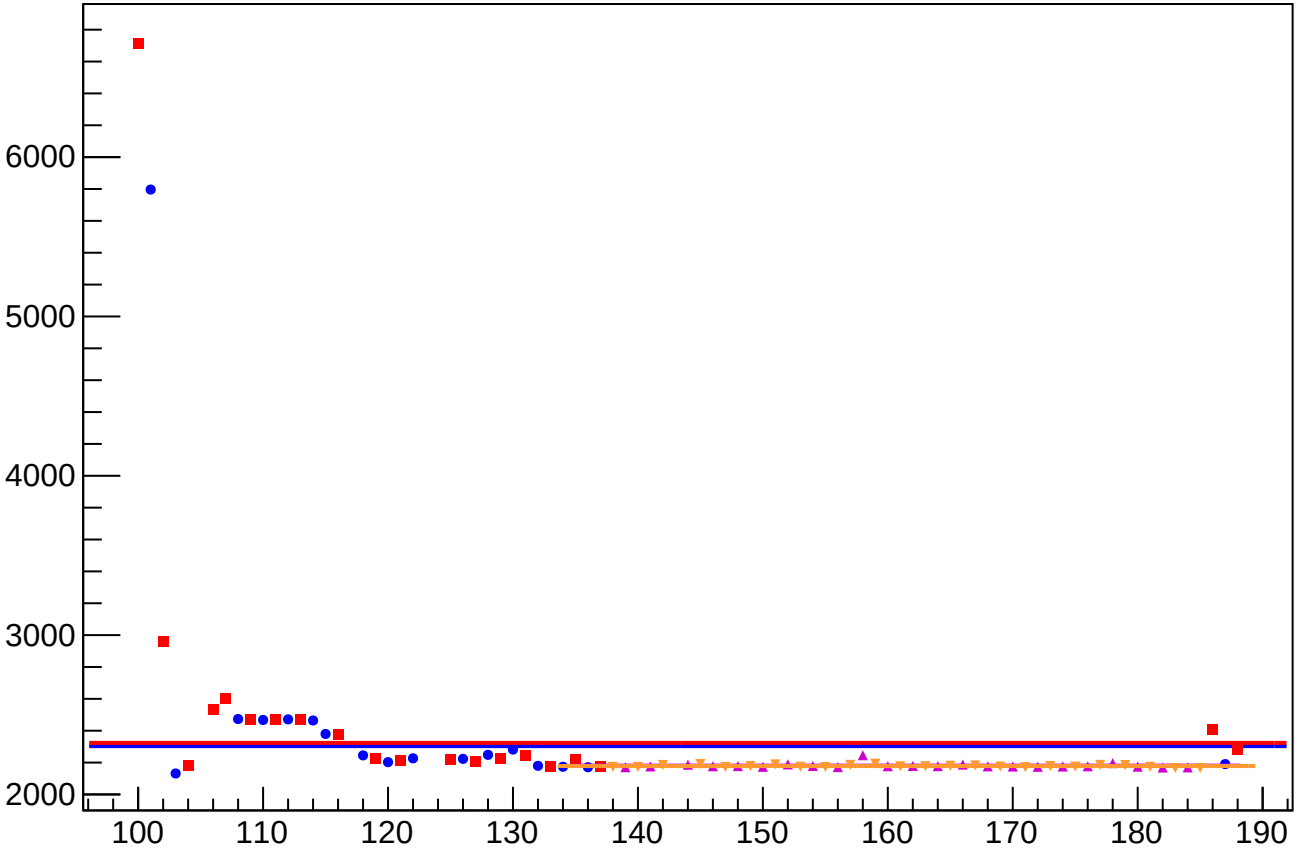
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -980.862+/-435.796 χ^2/NDF: 37.6/40

All: -203.171+/-305.699 χ^2/NDF: 86.8/83

- sign 550.224+/-428.934 χ^2/NDF: 43.0/42

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2303.260+/-0.608 χ^2/NDF: 515183.7/16

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

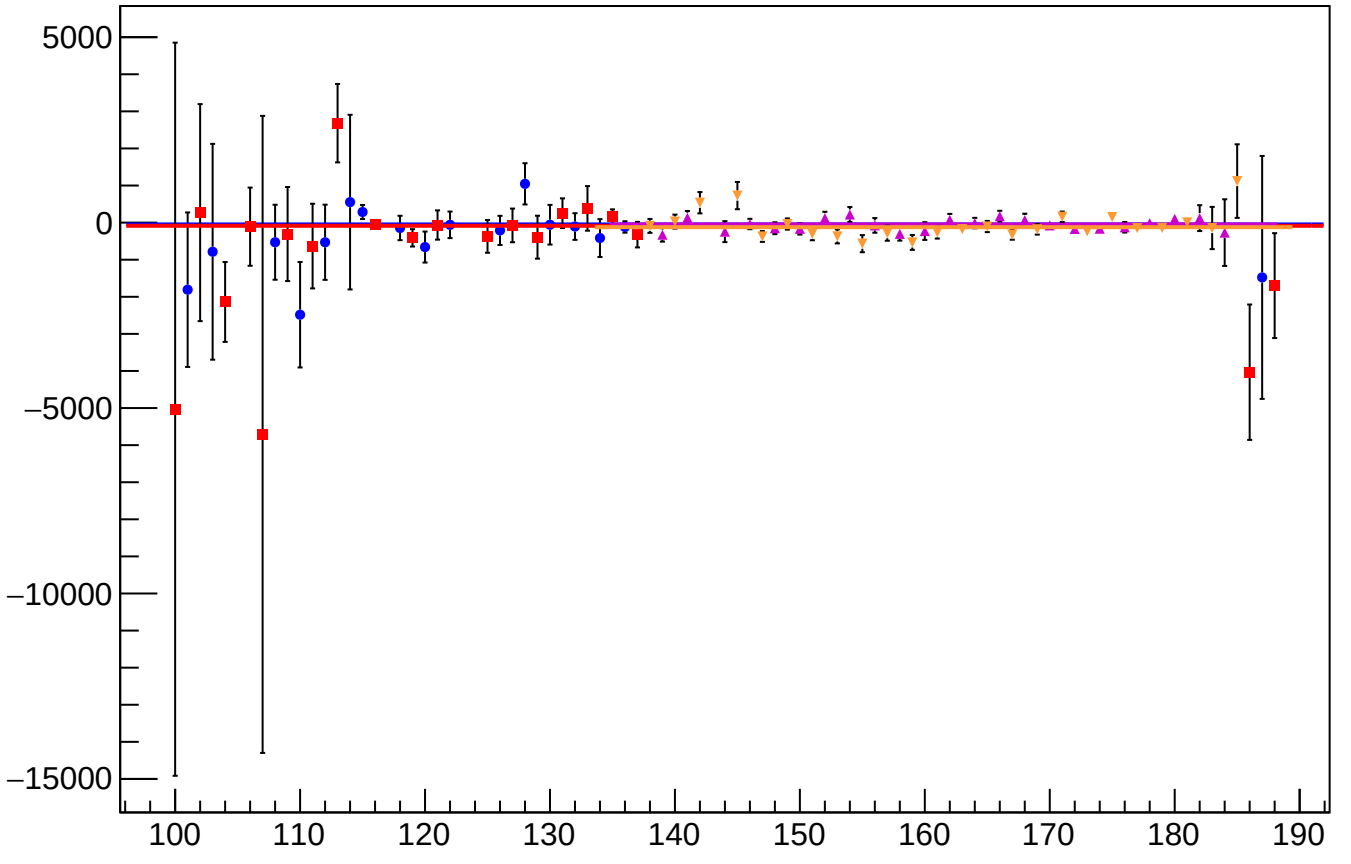
Right Out: 2323.555+/-0.563 χ^2/NDF: 155127.2/19

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2210.357+/-0.308 χ^2/NDF: 546990.0/40

All: 2216.447+/-0.216 χ^2/NDF: 750330.2/83

- sign 2222.346+/-0.303 χ^2/NDF: 202571.4/42



Right In: -49.061+/-90.885 χ^2/NDF: 14.6/16

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

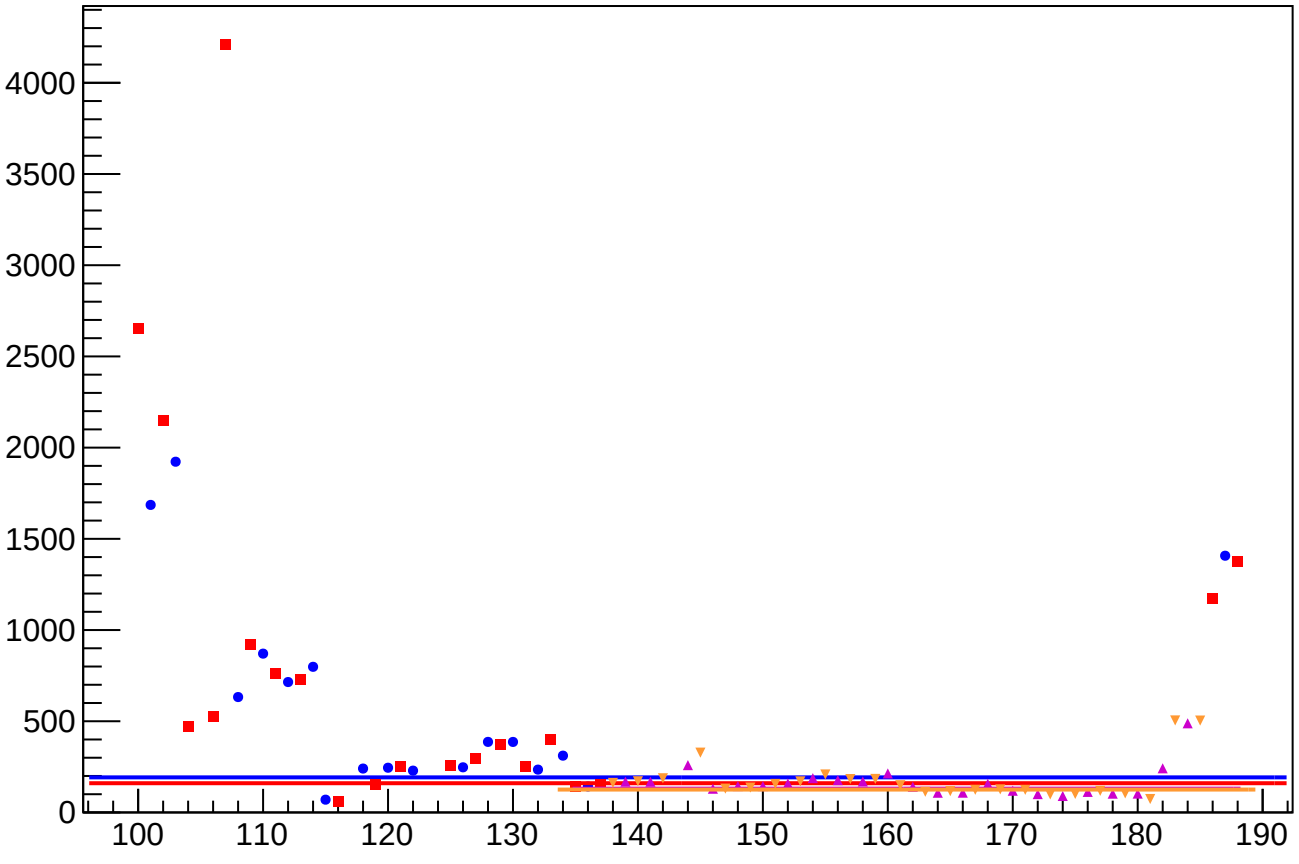
Right Out: -85.694+/-82.100 χ^2/NDF: 23.4/19

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.047+/-29.685 χ^2/NDF: 58.9/40

All: -85.611+/-21.190 χ^2/NDF: 102.8/83

- sign -55.029+/-30.257 χ^2/NDF: 41.8/42



Right In: 192.341+/-0.064 χ^2/NDF: 5339063.7/16

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 160.298+/-0.058 χ^2/NDF: 8212251.1/19

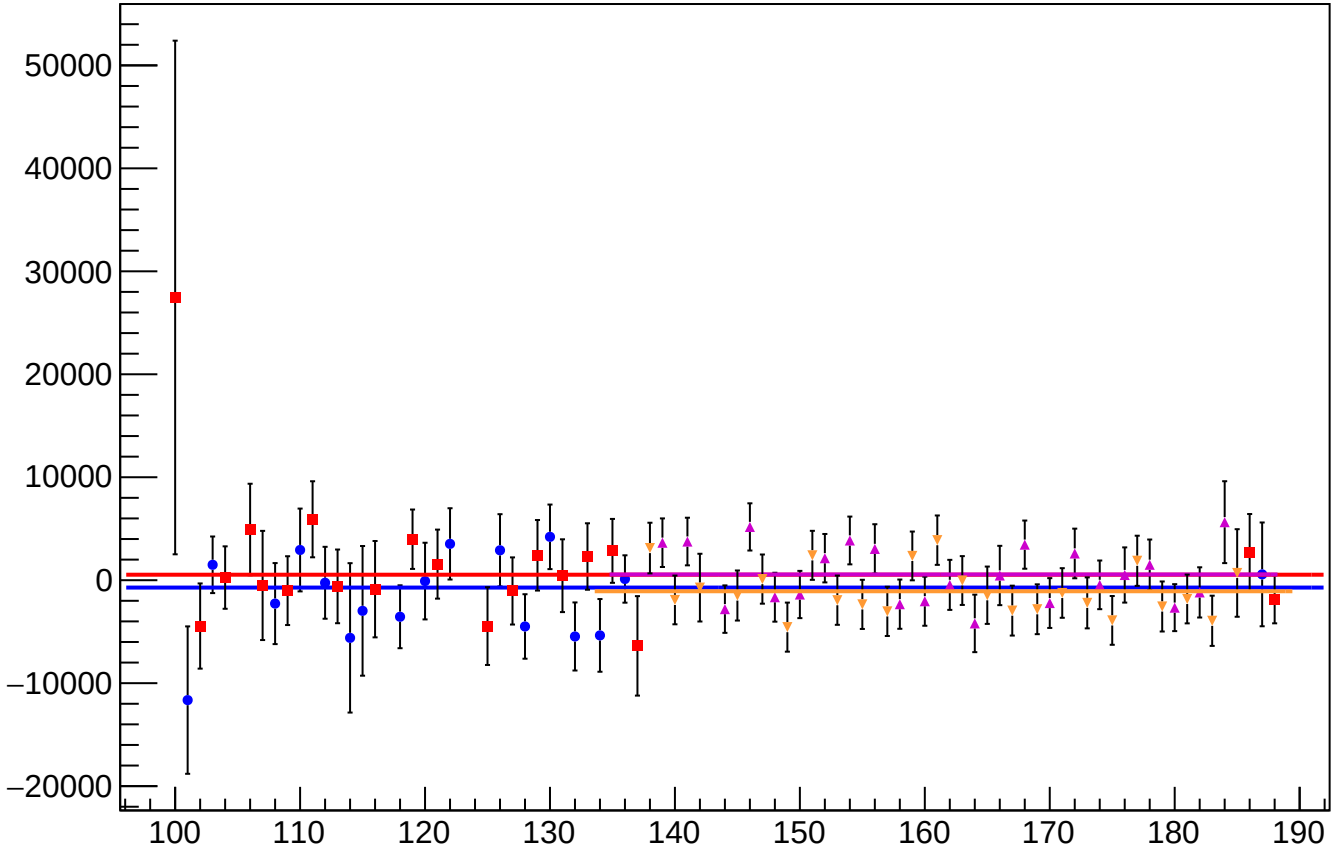
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 132.633+/-0.021 χ^2/NDF: 10248926.2/40

All: 133.551+/-0.015 χ^2/NDF: 21372880.4/83

- sign 134.505+/-0.021 χ^2/NDF: 11120054.4/42

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -714.901+/-859.857 χ^2/NDF: 15.9/16

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 533.477+/-795.911 χ^2/NDF: 14.3/19

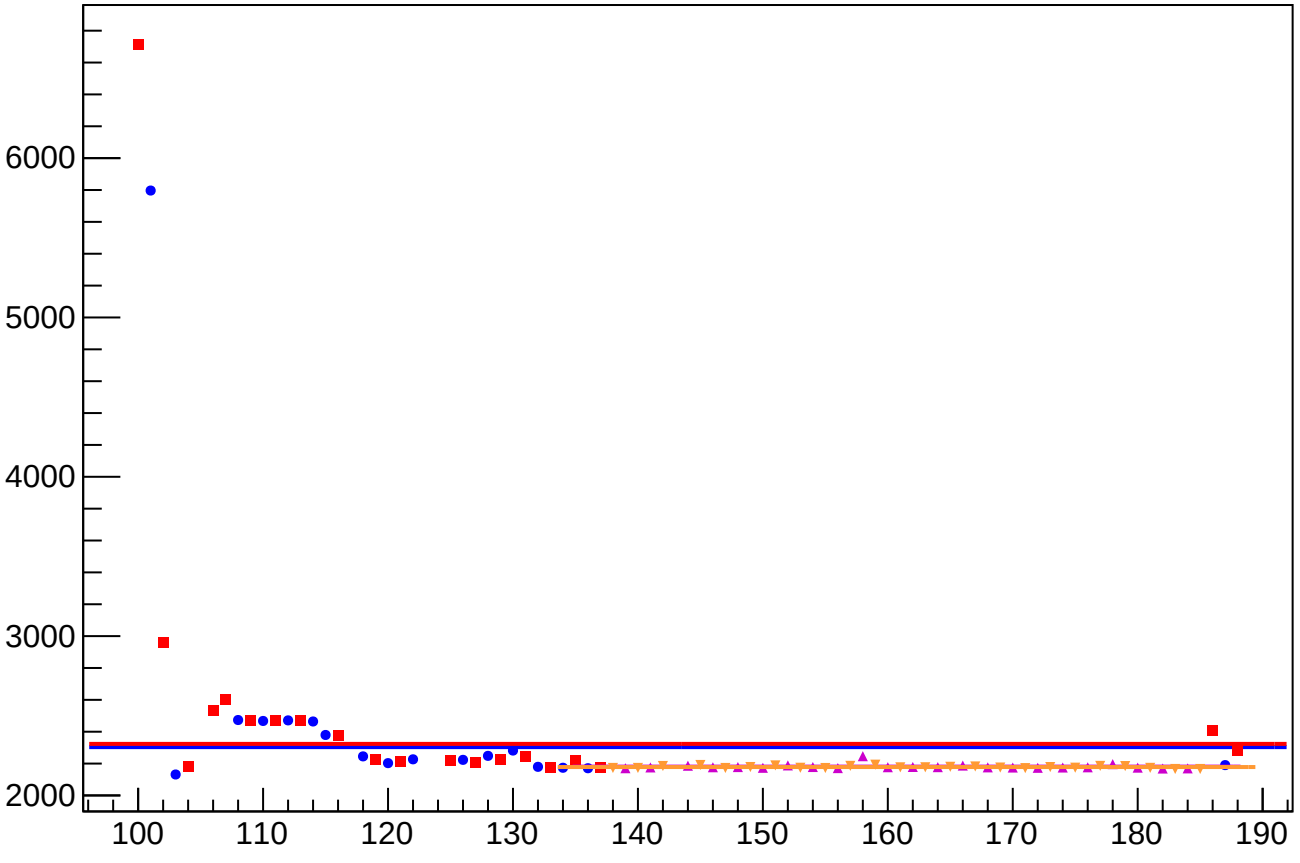
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -980.862+/-435.796 χ^2/NDF: 37.6/40

All: -203.171+/-305.699 χ^2/NDF: 86.8/83

- sign 550.224+/-428.934 χ^2/NDF: 43.0/42

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2303.260+/-0.608 χ^2/NDF: 515183.7/16

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

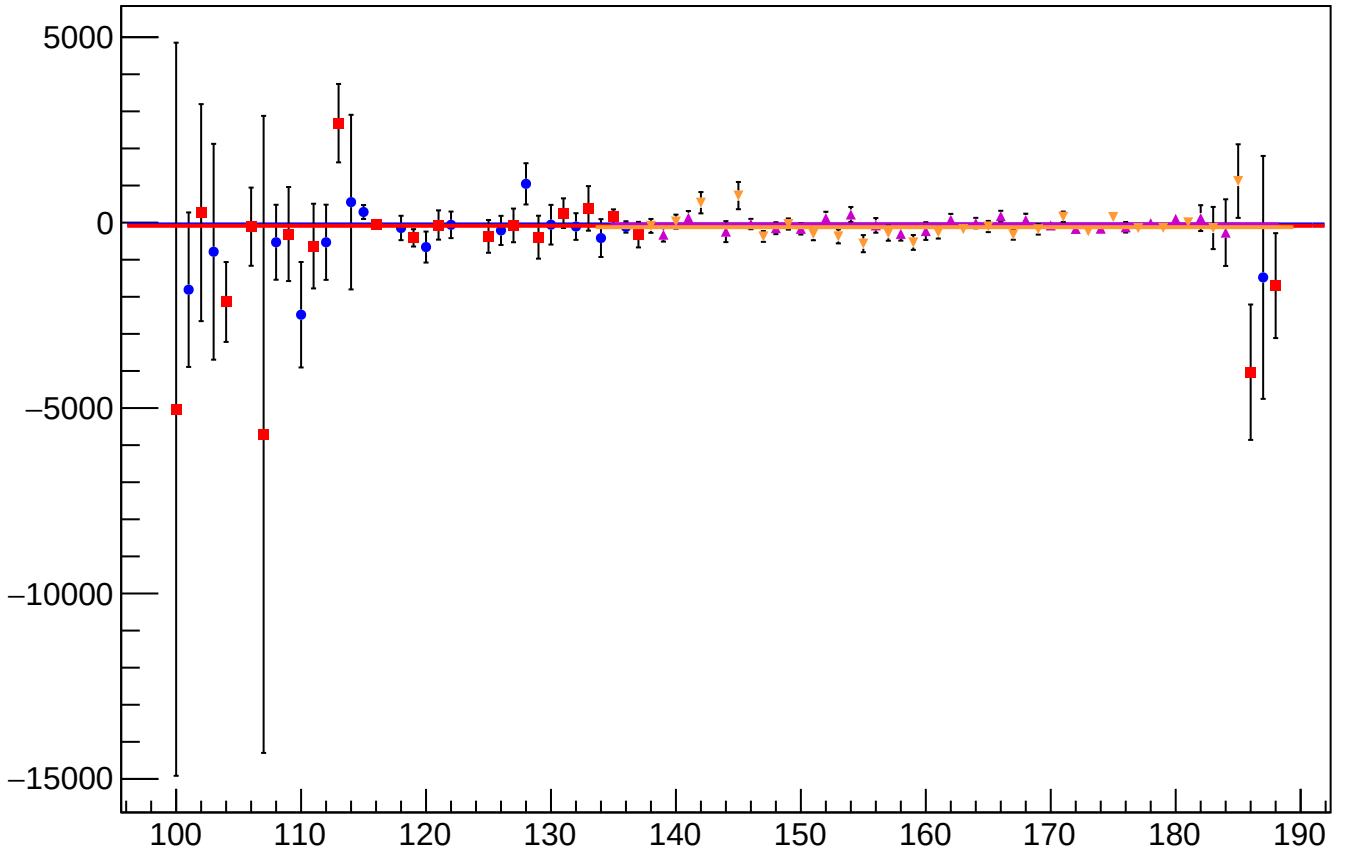
Right Out: 2323.555+/-0.563 χ^2/NDF: 155127.2/19

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2210.357+/-0.308 χ^2/NDF: 546990.0/40

All: 2216.447+/-0.216 χ^2/NDF: 750330.2/83

- sign 2222.346+/-0.303 χ^2/NDF: 202571.4/42



Right In: -49.061+/-90.885 χ^2/NDF: 14.6/16

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

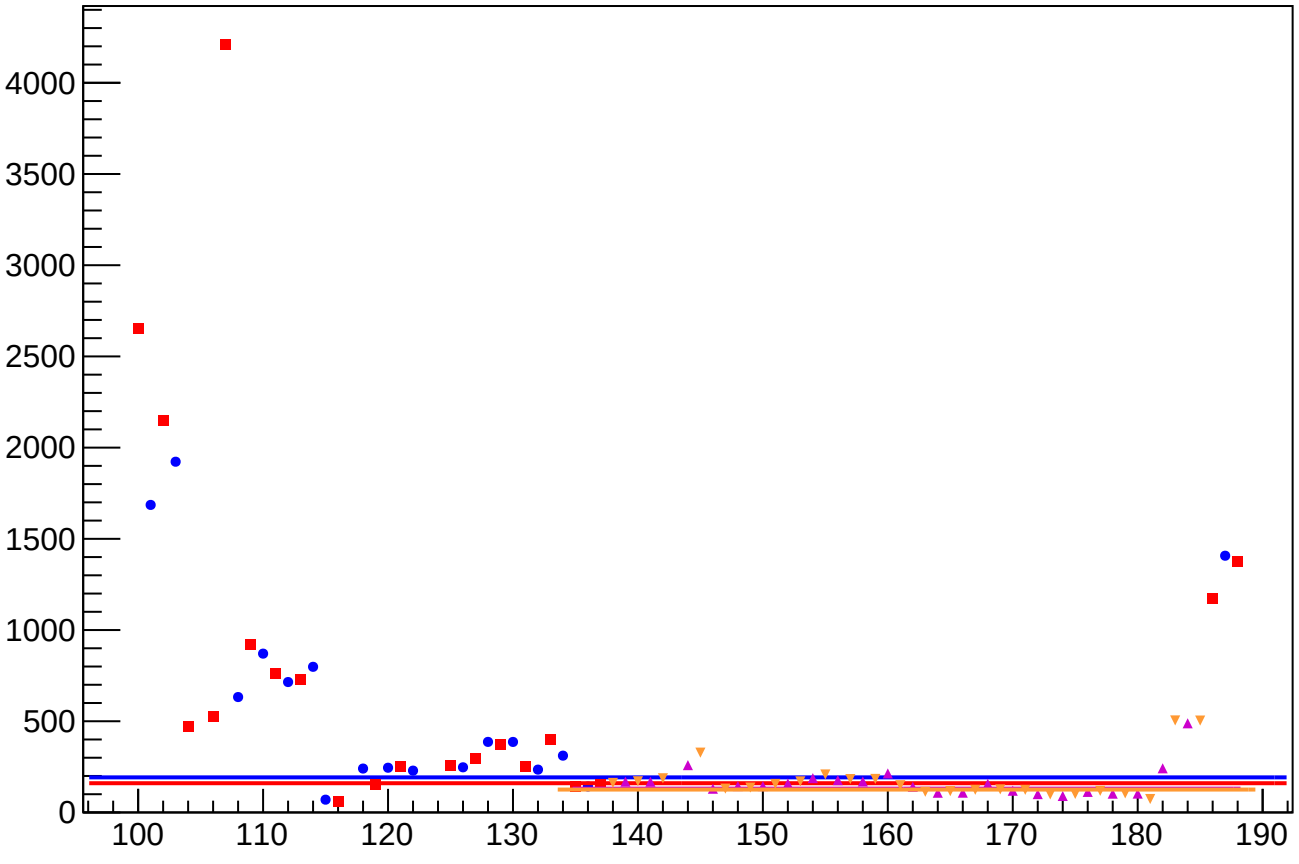
Right Out: -85.694+/-82.100 χ^2/NDF: 23.4/19

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.047+/-29.685 χ^2/NDF: 58.9/40

All: -85.611+/-21.190 χ^2/NDF: 102.8/83

- sign -55.029+/-30.257 χ^2/NDF: 41.8/42



Right In: 192.341+/-0.064 χ^2/NDF: 5339063.7/16

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 160.298+/-0.058 χ^2/NDF: 8212251.1/19

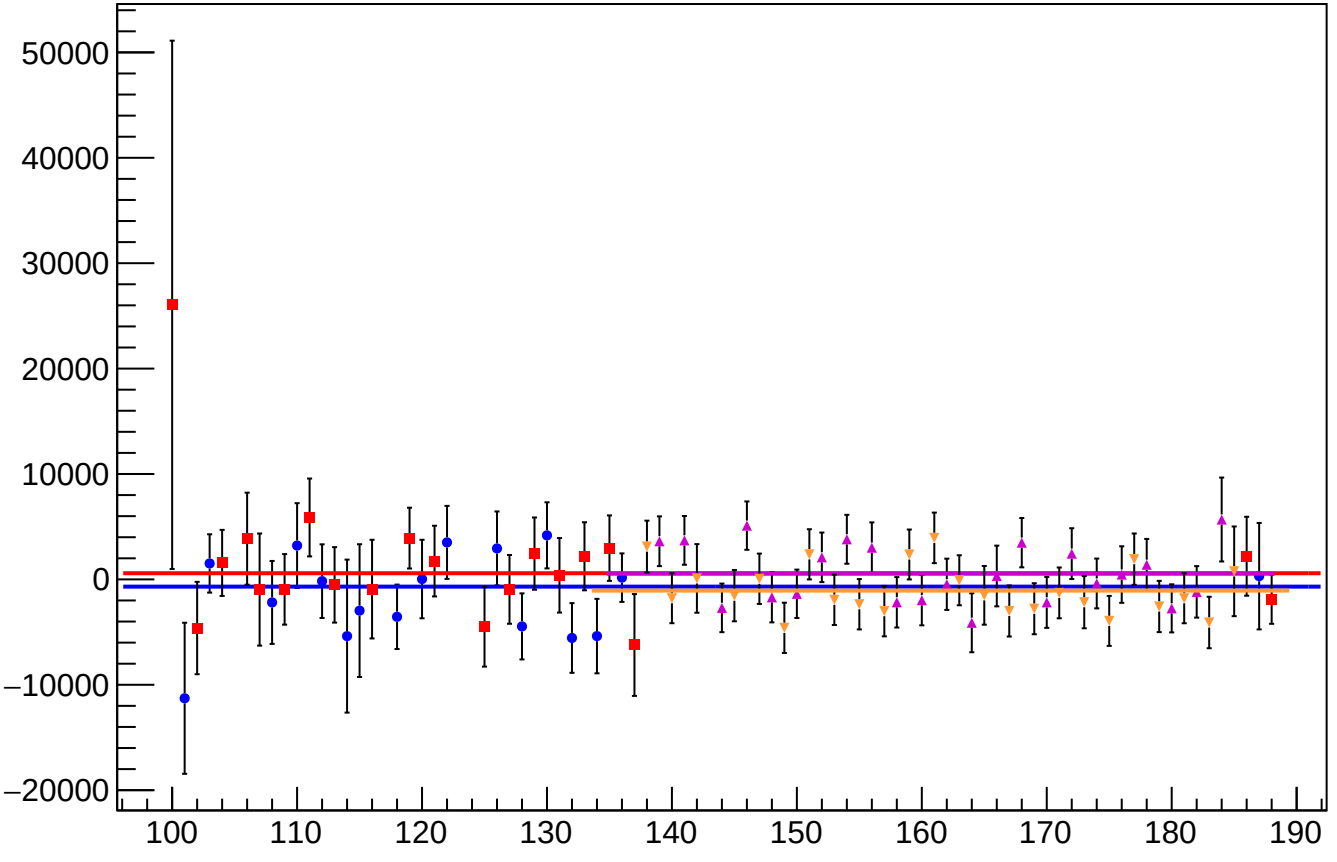
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 132.633+/-0.021 χ^2/NDF: 10248926.2/40

All: 133.551+/-0.015 χ^2/NDF: 21372880.4/83

- sign 134.505+/-0.021 χ^2/NDF: 11120054.4/42

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -687.426+/-860.754 χ^2/NDF: 15.9/16

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 584.611+/-799.311 χ^2/NDF: 13.6/19

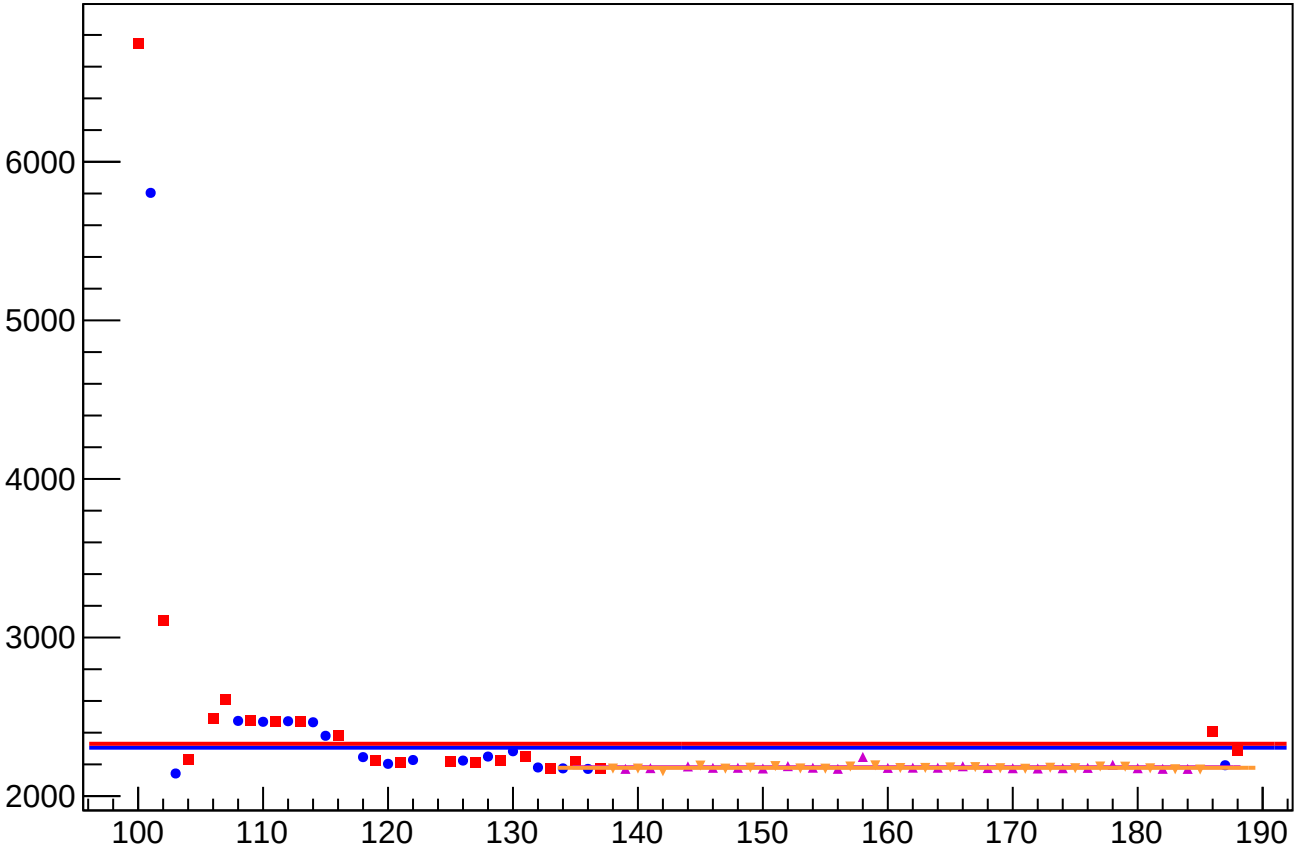
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -966.182+/-435.972 χ^2/NDF: 37.9/40

All: -193.927+/-306.000 χ^2/NDF: 85.6/83

- sign 555.916+/-429.599 χ^2/NDF: 41.5/42

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2305.424+/-0.609 χ^2/NDF: 514733.8/16

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

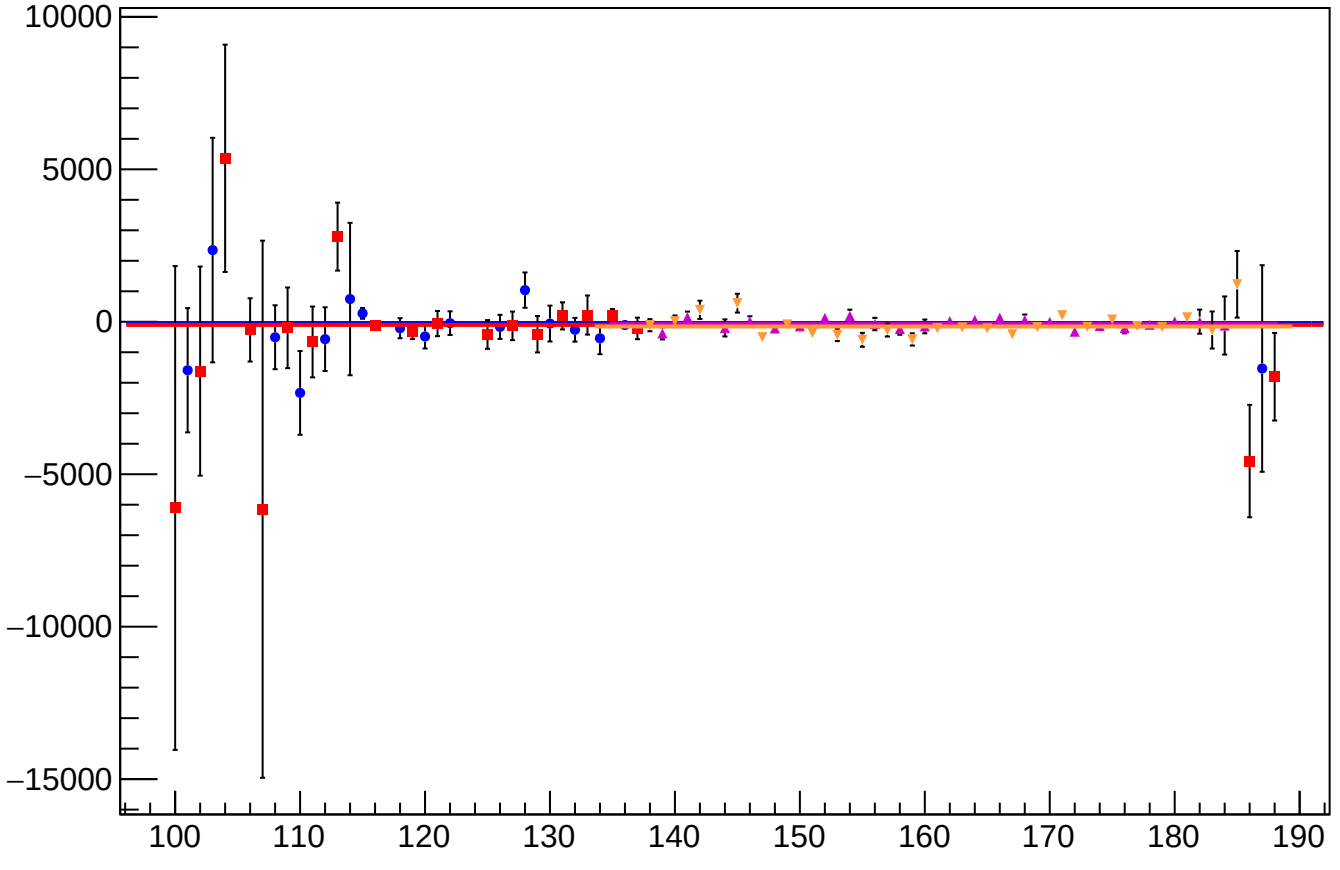
Right Out: 2330.029+/-0.565 χ^2/NDF: 168922.7/19

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2211.064+/-0.308 χ^2/NDF: 547518.8/40

All: 2217.971+/-0.216 χ^2/NDF: 768127.4/83

- sign 2224.677+/-0.304 χ^2/NDF: 219619.2/42



Right In: -41.229+/-92.375 χ^2/NDF: 14.2/16

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: -102.222+/-85.841 χ^2/NDF: 22.3/19

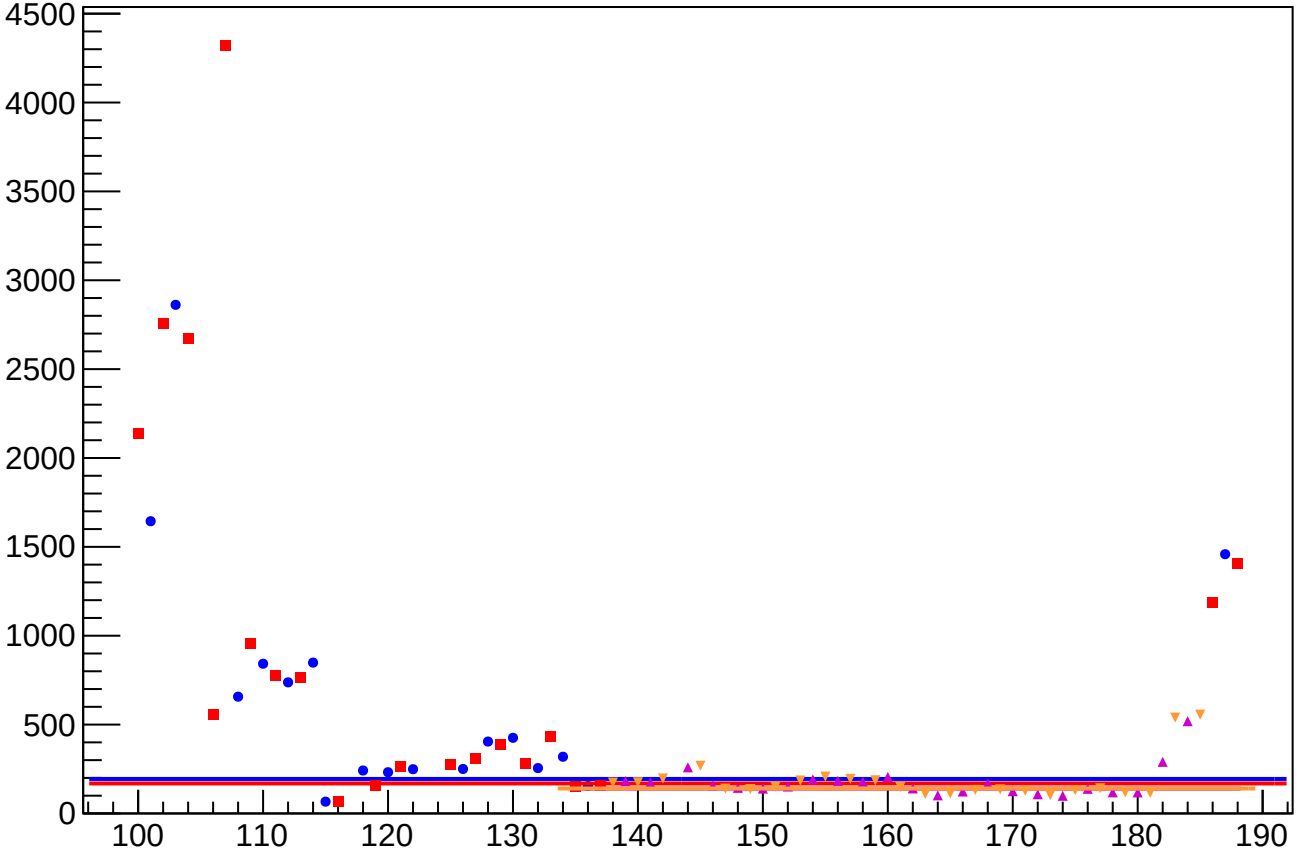
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -141.141+/-31.957 χ^2/NDF: 62.9/40

All: -107.648+/-22.532 χ^2/NDF: 106.4/83

- sign -74.537+/-31.775 χ^2/NDF: 41.3/42

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 194.196+/-0.065 χ^2/NDF: 5896689.5/16

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

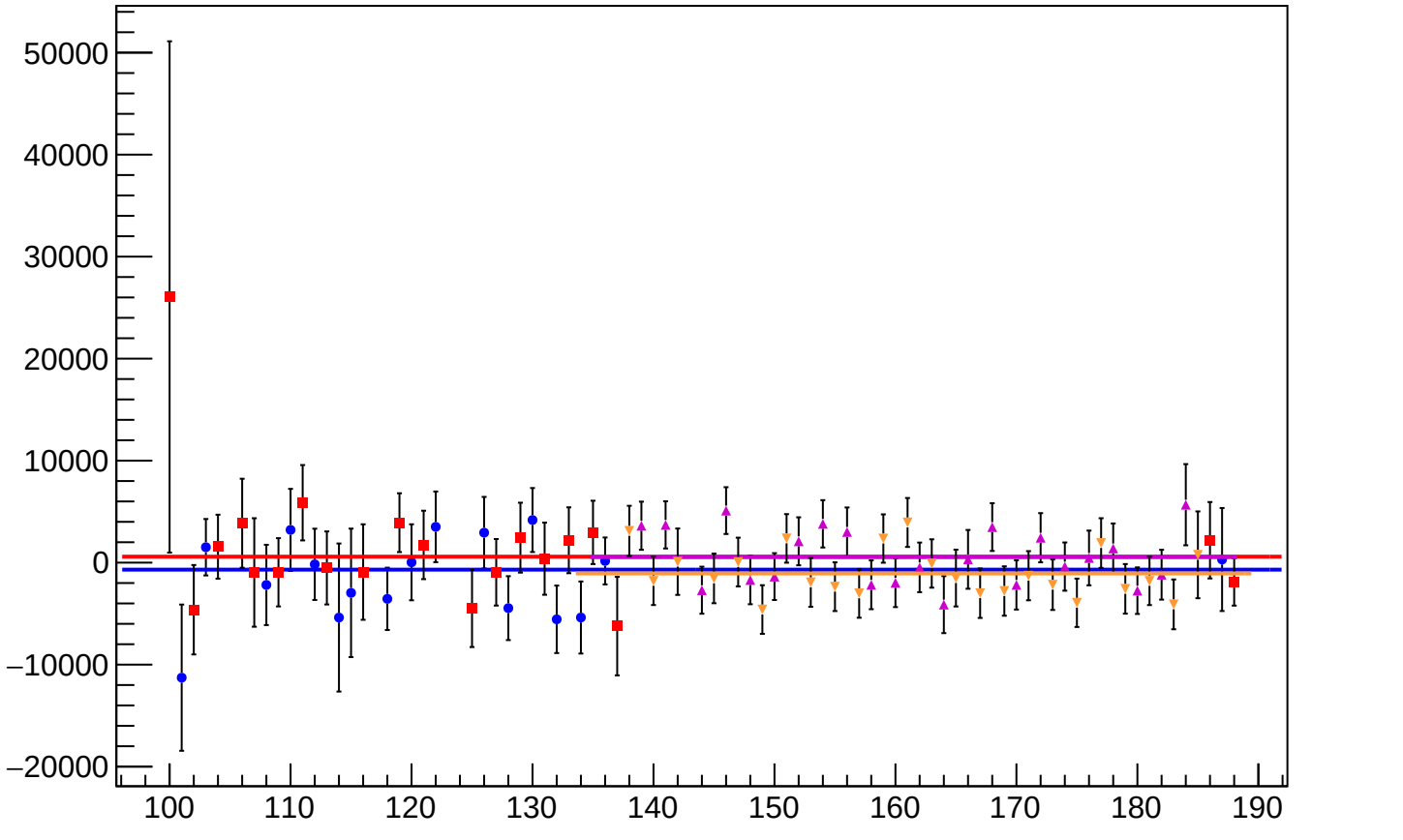
Right Out: 168.764+/-0.061 χ^2/NDF: 9168421.1/19

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 146.767+/-0.023 χ^2/NDF: 9255903.8/40

All: 145.337+/-0.016 χ^2/NDF: 21038837.0/83

- sign 143.923+/-0.022 χ^2/NDF: 11774966.8/42



Right In: -687.427+/-860.754 χ^2/NDF: 15.9/16

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 584.610+/-799.311 χ^2/NDF: 13.6/19

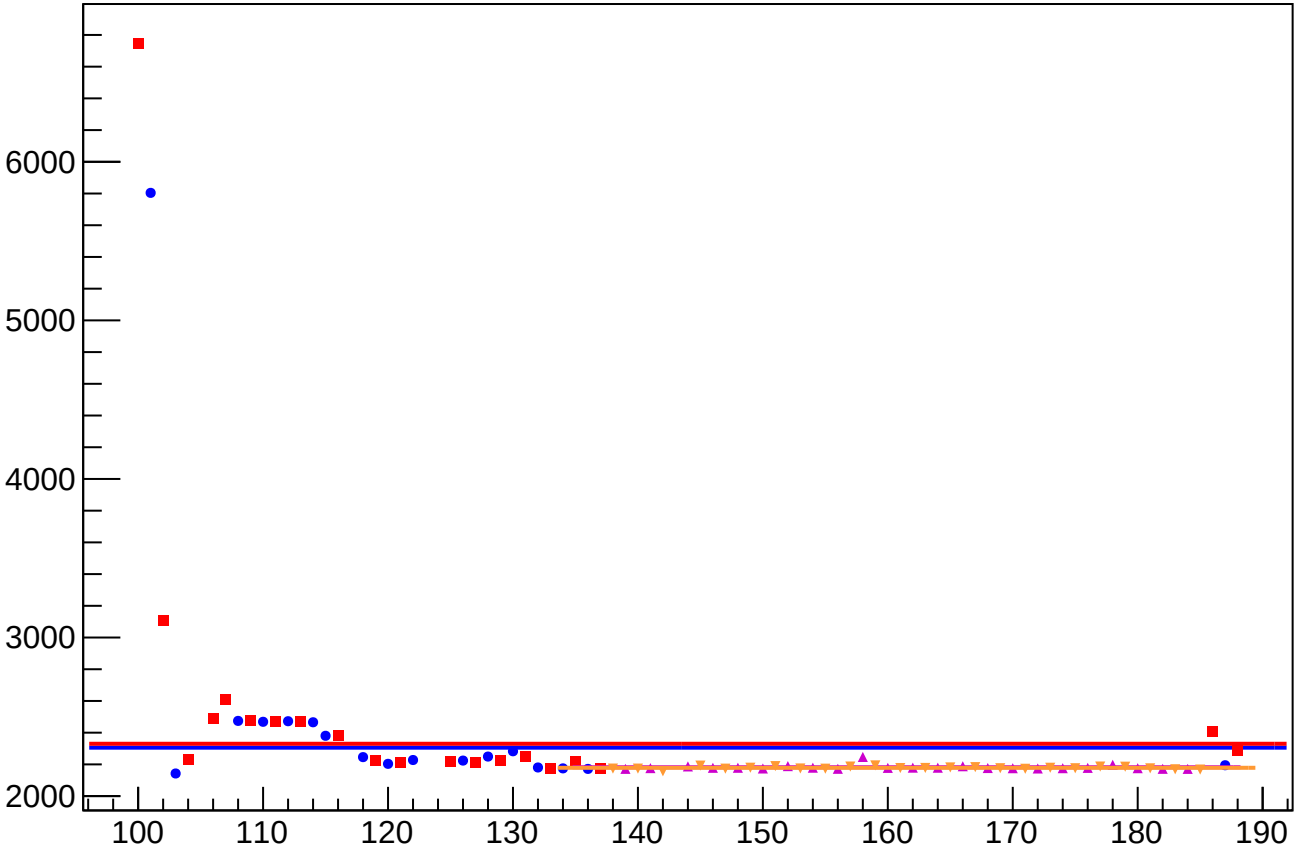
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -966.183+/-435.972 χ^2/NDF: 37.9/40

All: -193.928+/-306.000 χ^2/NDF: 85.6/83

- sign 555.915+/-429.599 χ^2/NDF: 41.5/42

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2305.424+/-0.609 χ^2/NDF: 514733.8/16

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

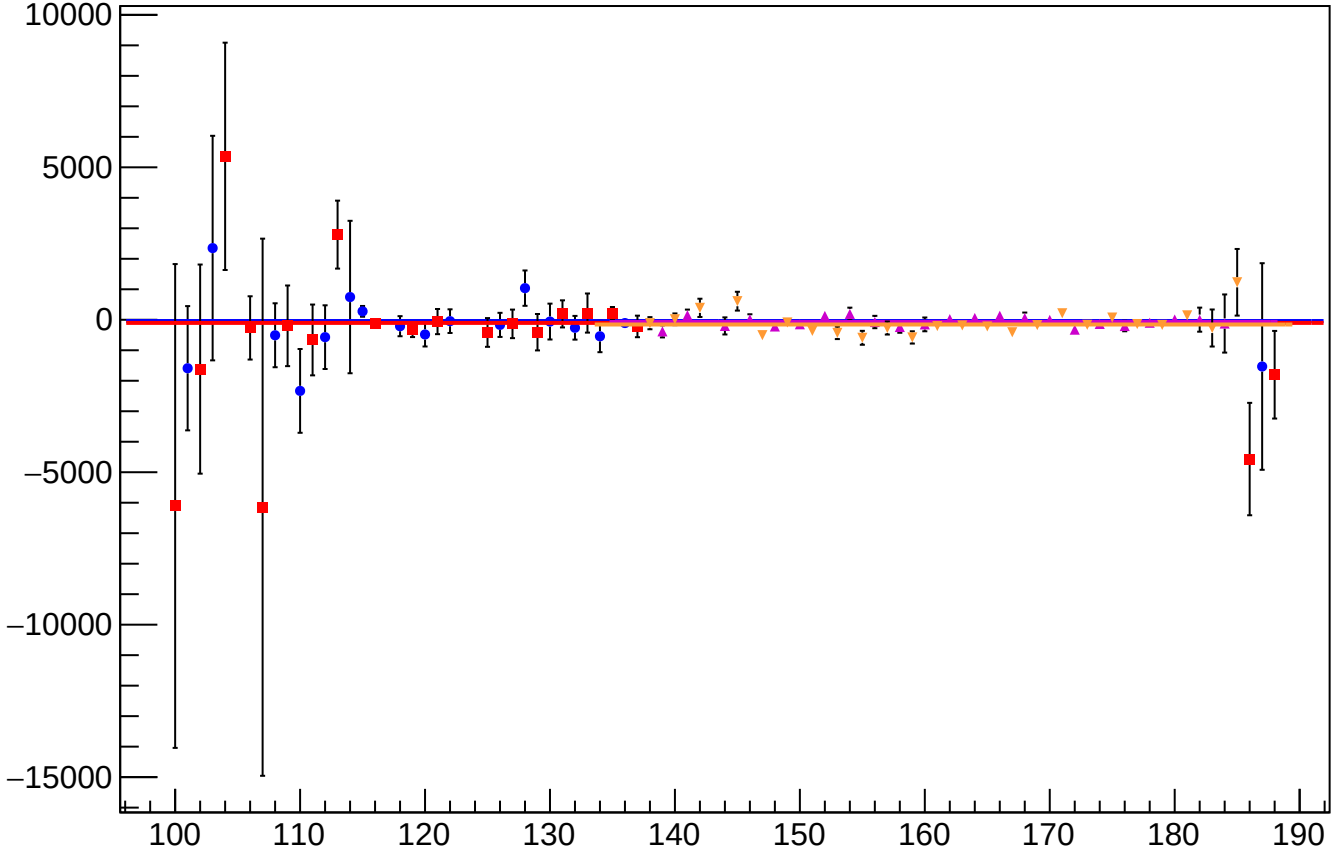
Right Out: 2330.029+/-0.565 χ^2/NDF: 168922.6/19

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2211.064+/-0.308 χ^2/NDF: 547518.8/40

All: 2217.971+/-0.216 χ^2/NDF: 768127.3/83

- sign 2224.677+/-0.304 χ^2/NDF: 219619.0/42



Right In: -41.226+/-92.374 χ^2/NDF: 14.2/16

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

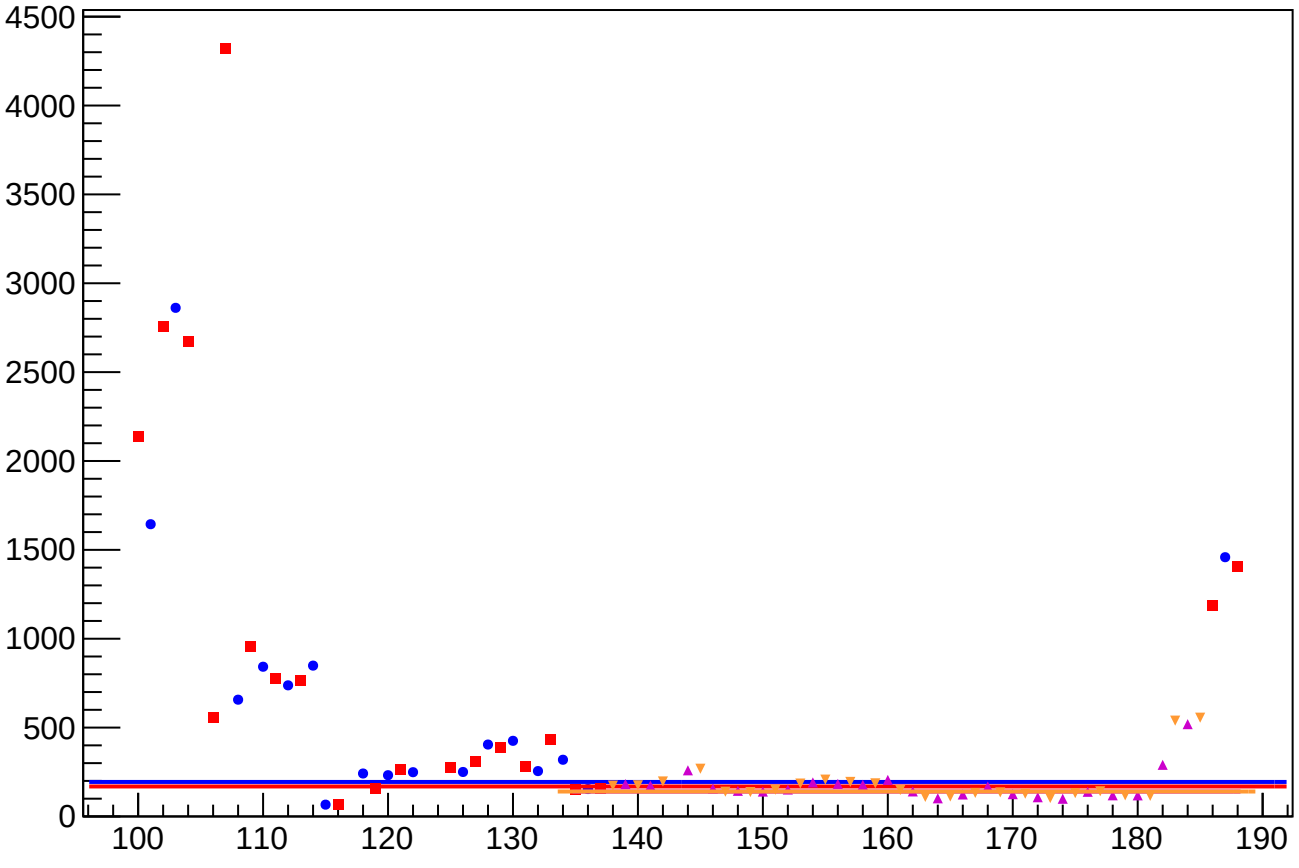
Right Out: -102.223+/-85.840 χ^2/NDF: 22.3/19

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -141.142+/-31.957 χ^2/NDF: 62.9/40

All: -107.648+/-22.532 χ^2/NDF: 106.4/83

- sign -74.537+/-31.775 χ^2/NDF: 41.3/42



Right In: 194.194+/-0.065 χ^2/NDF: 5896727.6/16

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 168.762+/-0.061 χ^2/NDF: 9168488.1/19

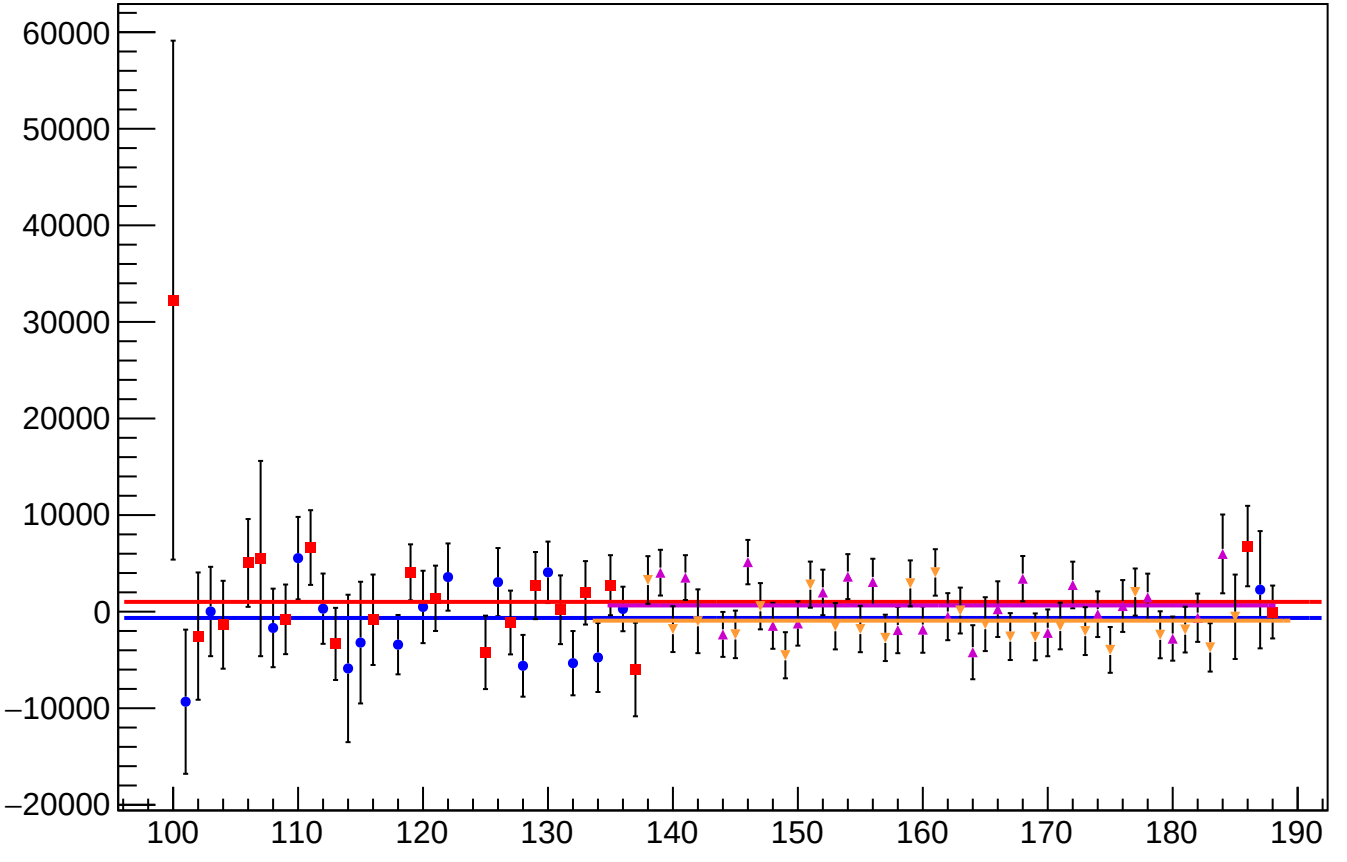
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 146.767+/-0.023 χ^2/NDF: 9255888.5/40

All: 145.337+/-0.016 χ^2/NDF: 21038913.2/83

- sign 143.923+/-0.022 χ^2/NDF: 11775056.9/42

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -652.988+/-905.969 χ^2/NDF: 16.0/16

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1011.558+/-860.521 χ^2/NDF: 15.0/19

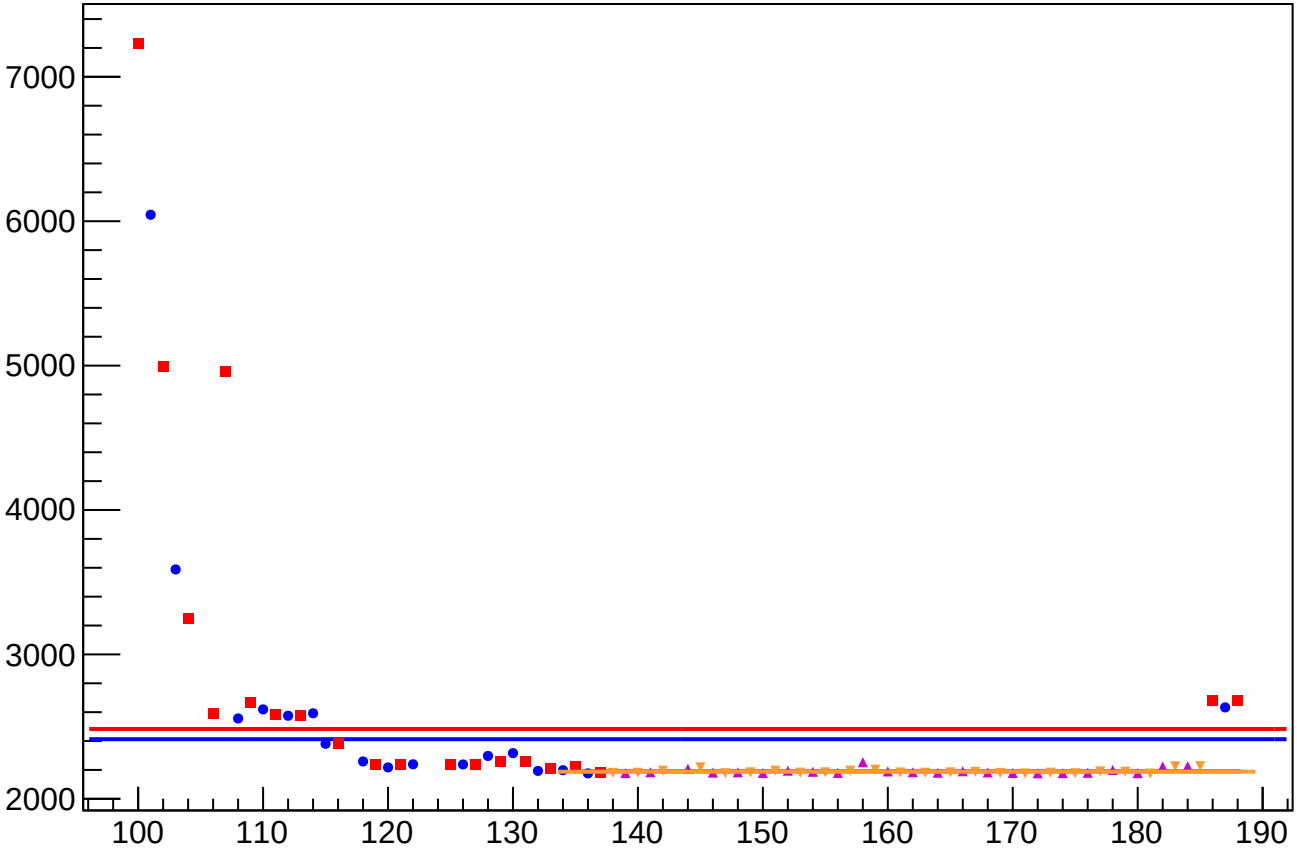
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -865.317+/-442.908 χ^2/NDF: 38.5/40

All: -57.149+/-312.010 χ^2/NDF: 87.3/83

- sign 739.018+/-439.608 χ^2/NDF: 42.2/42

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2412.811+/-0.641 χ^2/NDF: 679583.3/16

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

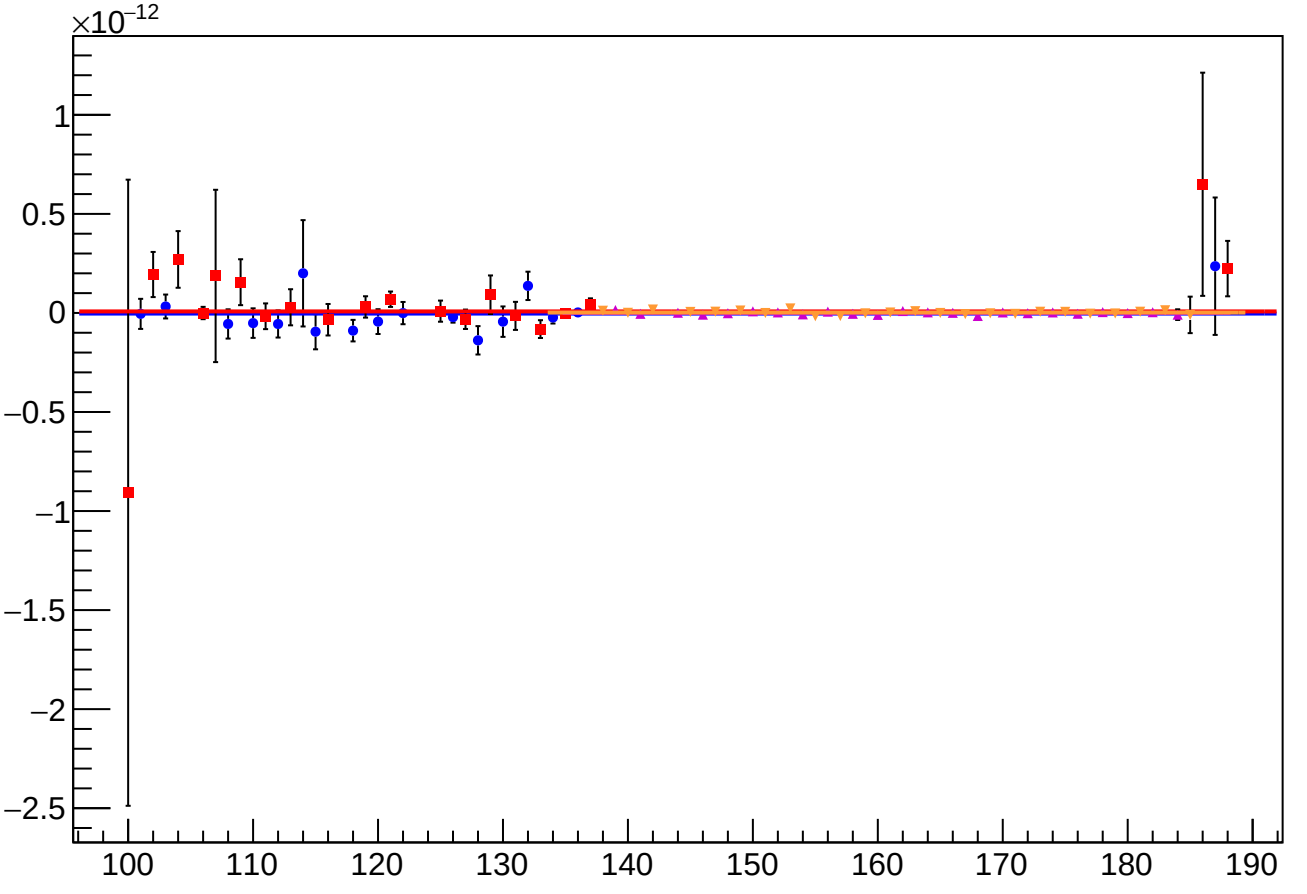
Right Out: 2483.535+/-0.608 χ^2/NDF: 650753.5/19

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2241.441+/-0.313 χ^2/NDF: 774960.3/40

All: 2254.179+/-0.221 χ^2/NDF: 1603332.1/83

- sign 2266.728+/-0.311 χ^2/NDF: 825087.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

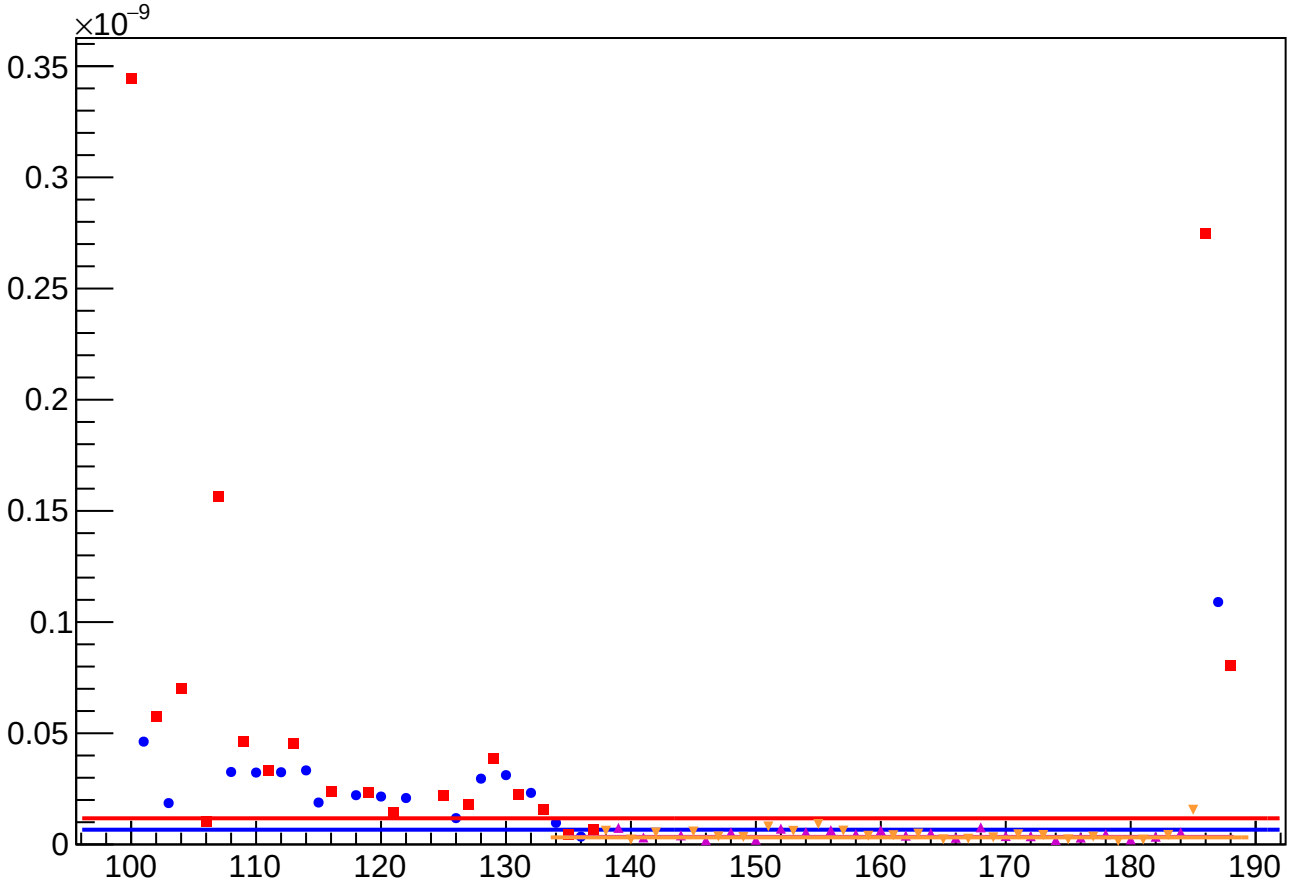
Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/19

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/40

All: 0.000+/-0.000 χ^2/NDF: 72.9/83

- sign 0.000+/-0.000 χ^2/NDF: 36.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 3031322.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

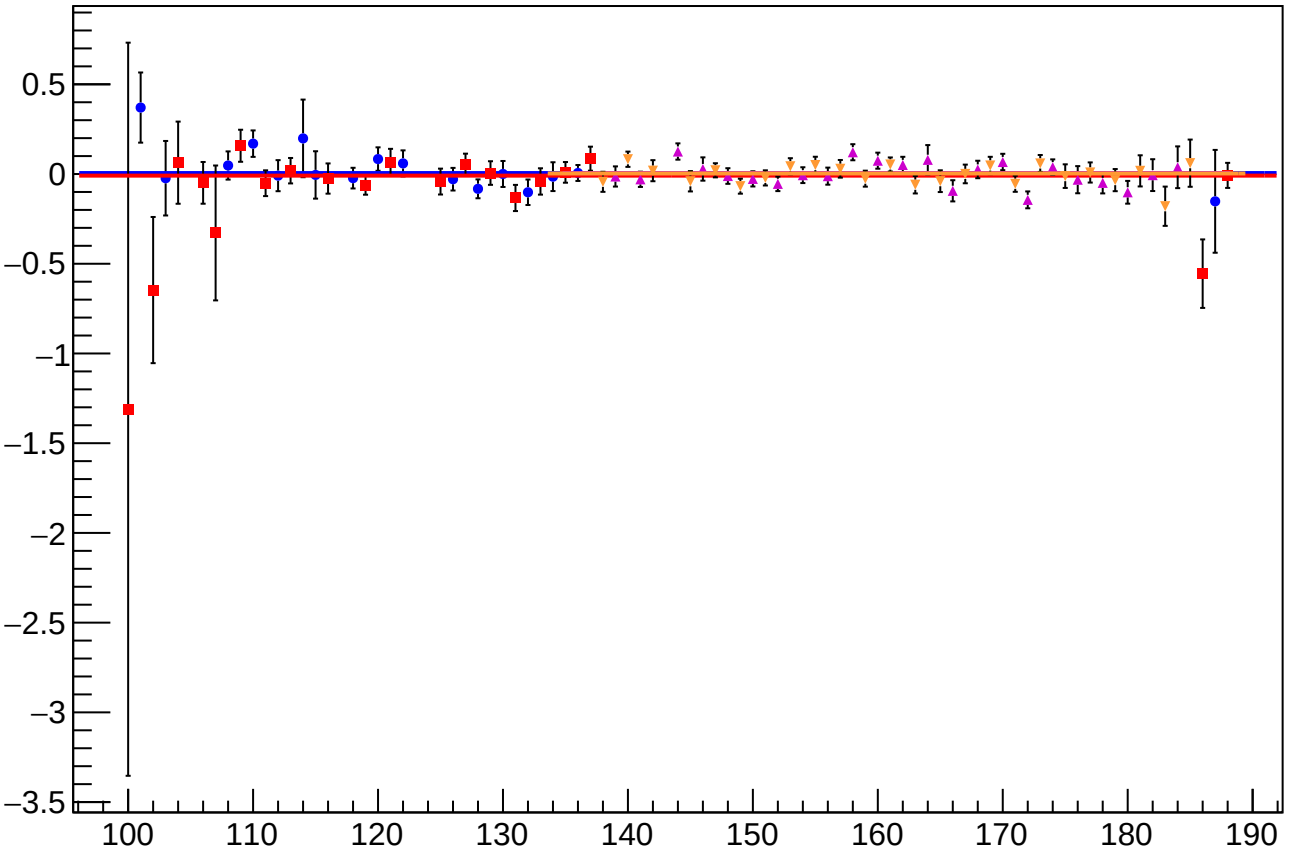
Right Out: 0.000+/-0.000 χ^2/NDF: 3620778.1/19

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5666914.2/40

All: 0.000+/-0.000 χ^2/NDF: 12456296.6/83

- sign 0.000+/-0.000 χ^2/NDF: 6761398.4/42



Right In: 0.005+/-0.018 χ^2/NDF: 17.5/16

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.009+/-0.018 χ^2/NDF: 24.5/19

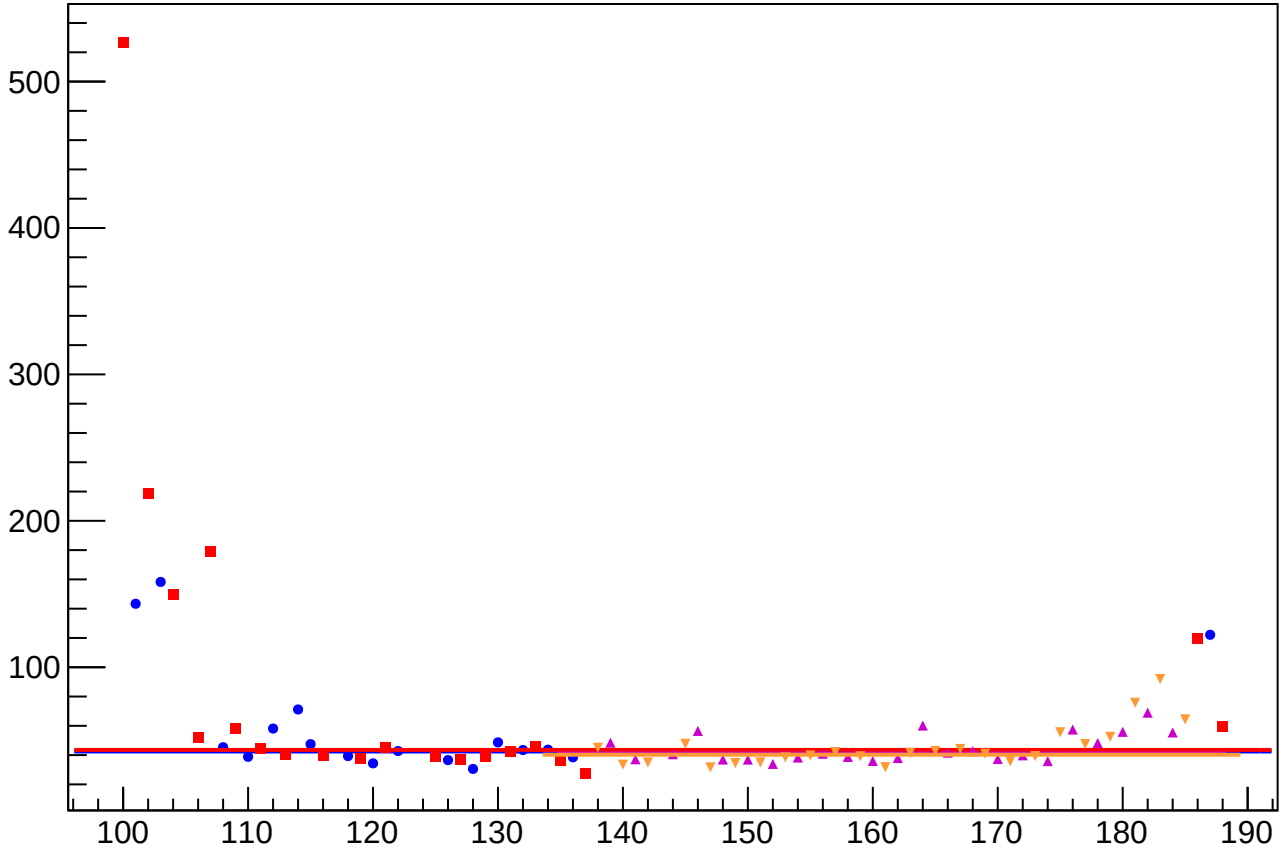
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 39.4/40

All: 0.003+/-0.006 χ^2/NDF: 105.9/83

- sign 0.002+/-0.009 χ^2/NDF: 66.4/42

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.489+/-0.013 χ^2/NDF: 1609709.8/16

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

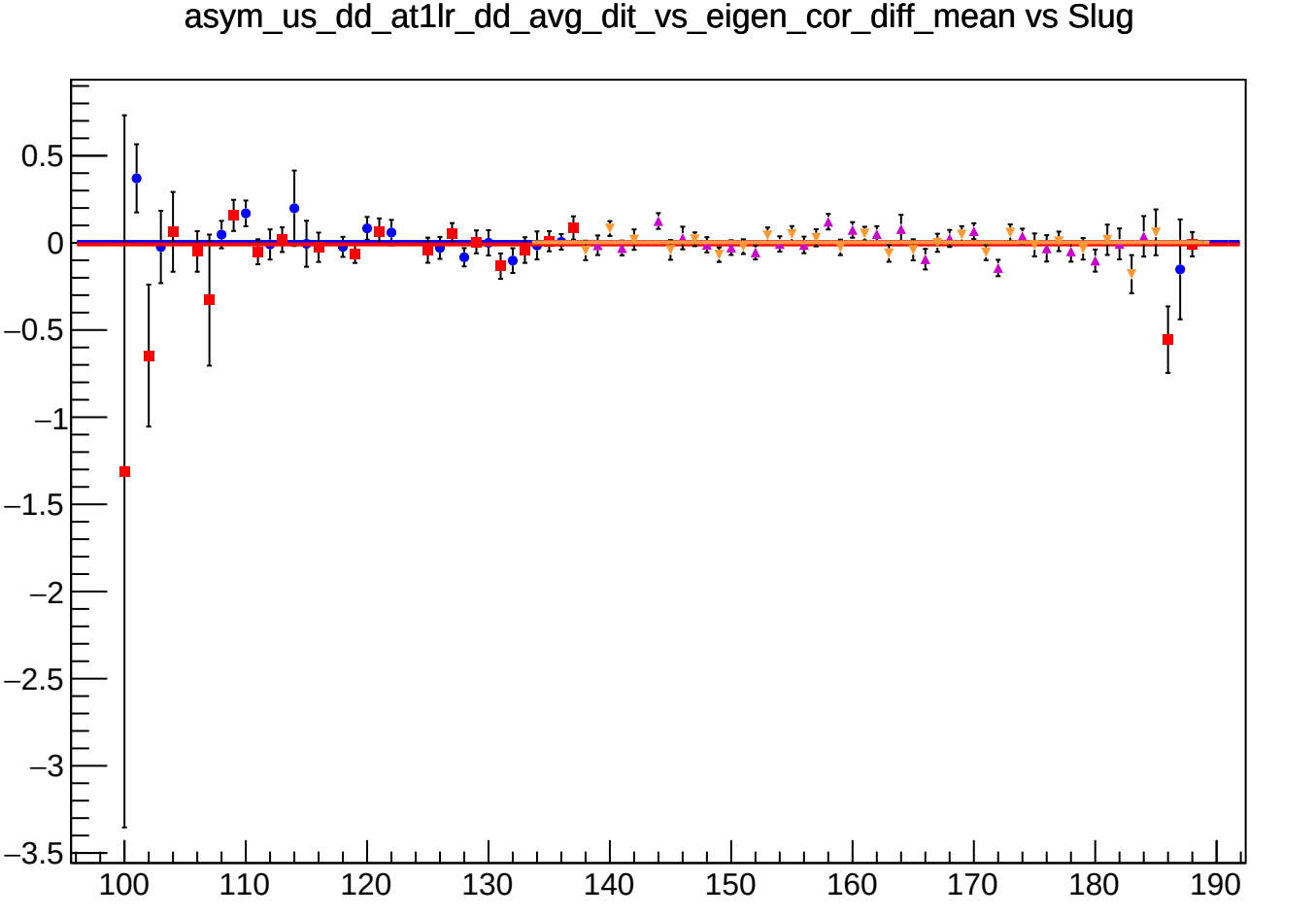
Right Out: 43.536+/-0.013 χ^2/NDF: 1882898.8/19

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 40.818+/-0.006 χ^2/NDF: 3121037.6/40

All: 41.263+/-0.005 χ^2/NDF: 5968560.5/83

- sign 41.717+/-0.006 χ^2/NDF: 2837666.6/42



Right In: 0.005+/-0.018 χ^2/NDF: 17.5/16

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

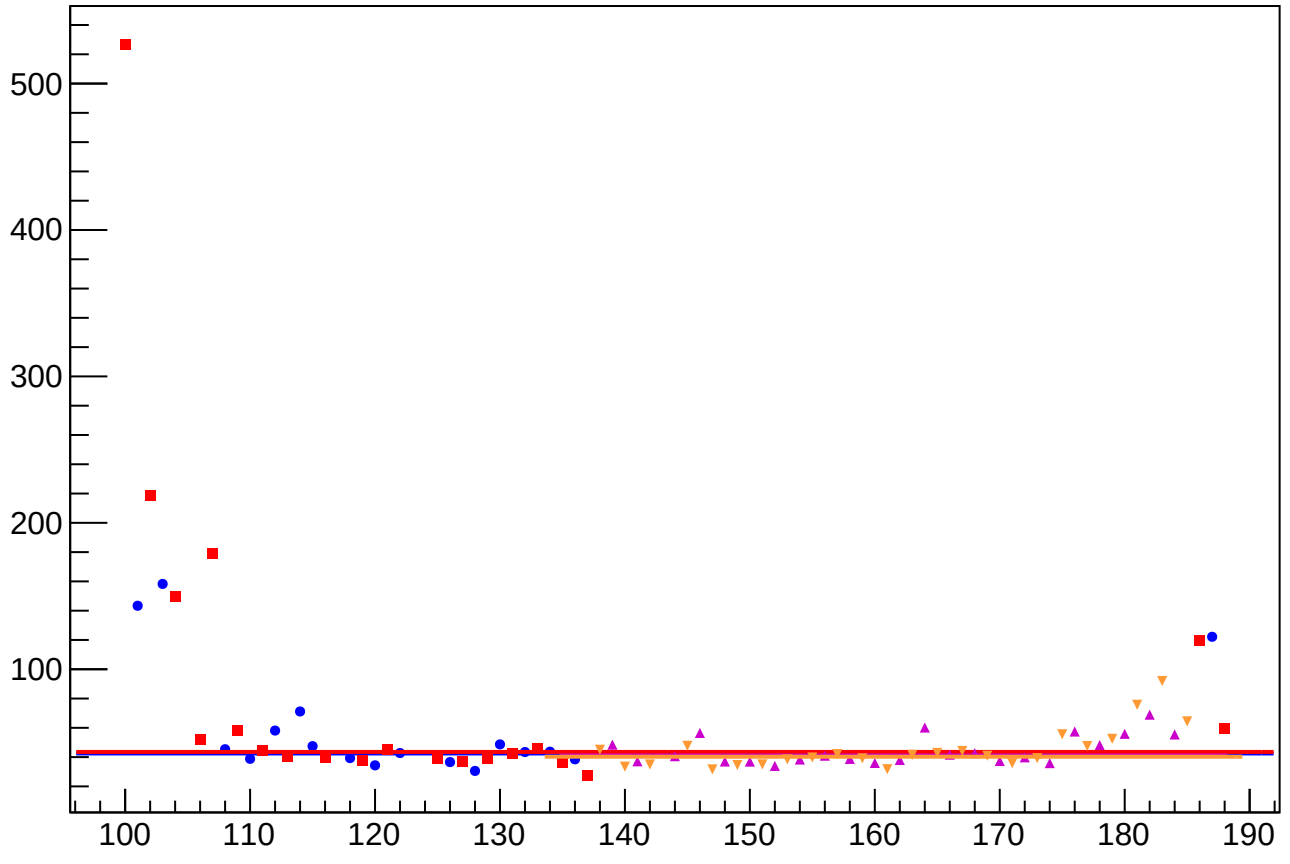
Right Out: -0.009+/-0.018 χ^2/NDF: 24.5/19

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 39.4/40

All: 0.003+/-0.006 χ^2/NDF: 105.9/83

- sign 0.002+/-0.009 χ^2/NDF: 66.4/42



Right In: 42.489+/-0.013 χ^2/NDF: 1609709.8/16

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

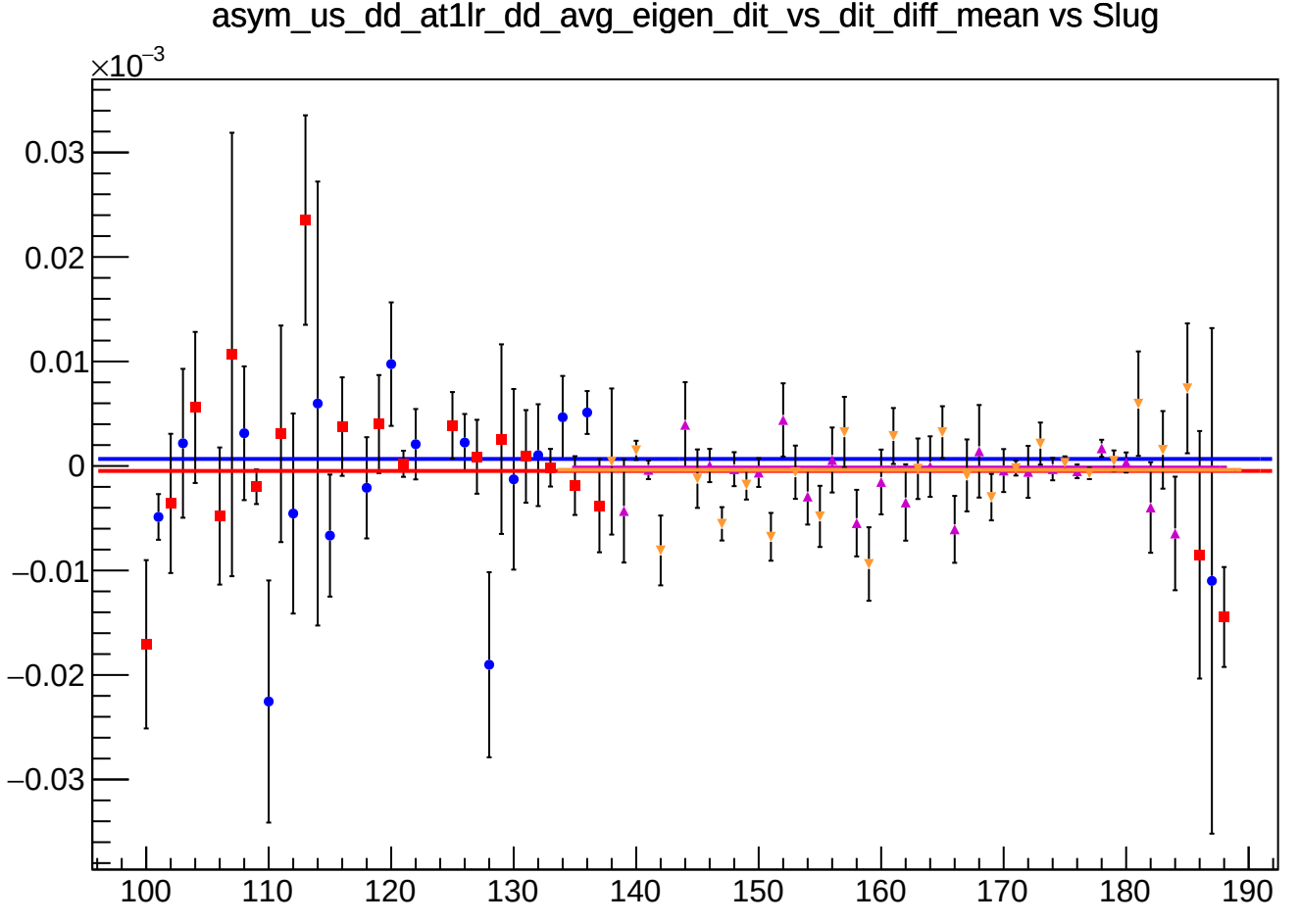
Right Out: 43.536+/-0.013 χ^2/NDF: 1882898.8/19

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

\+ sign 40.818+/-0.006 χ^2/NDF: 3121037.6/40

All: 41.263+/-0.005 χ^2/NDF: 5968560.5/83

\- sign 41.717+/-0.006 χ^2/NDF: 2837666.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

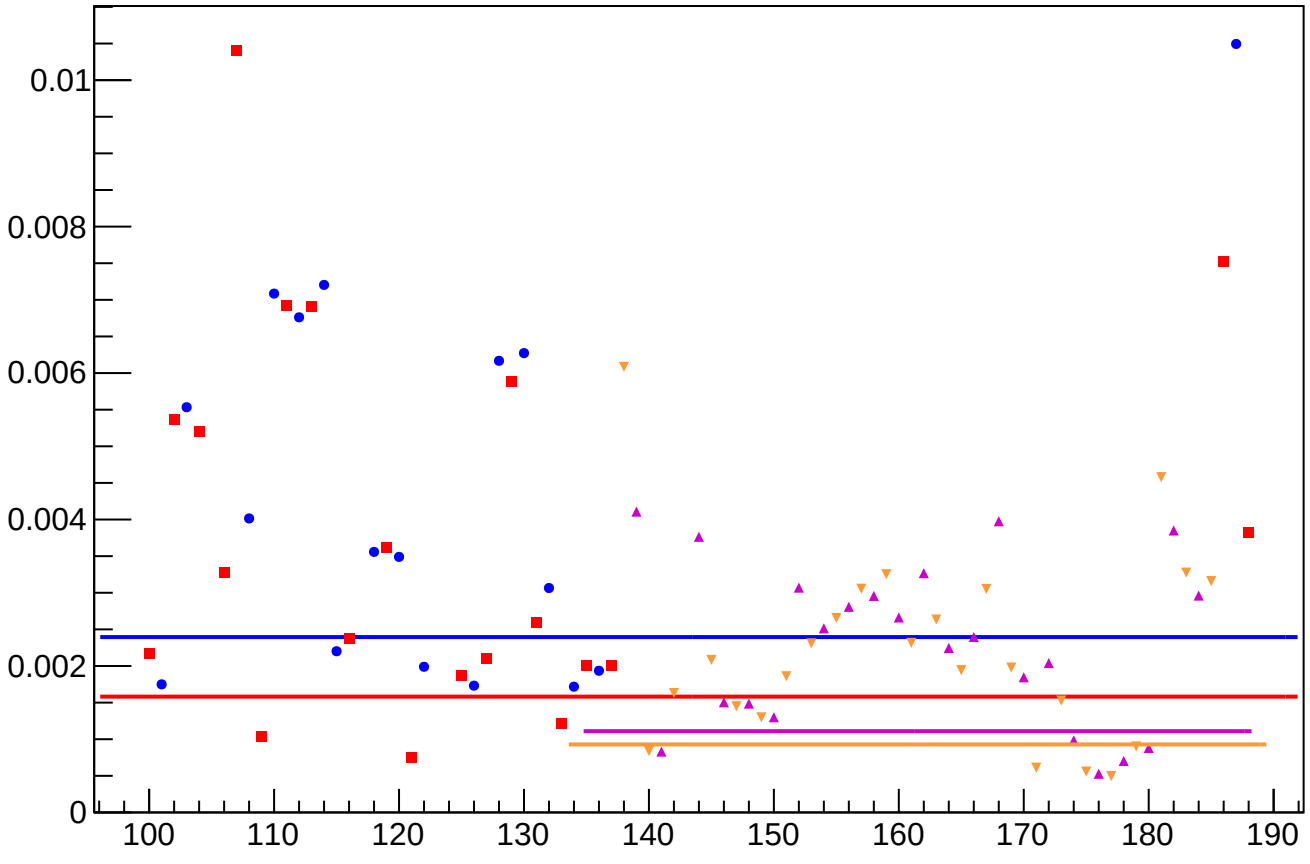
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/19

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.9/40

All: -0.000+/-0.000 χ^2/NDF: 125.6/83

- sign -0.000+/-0.000 χ^2/NDF: 46.7/42



Right In: 0.002+/-0.000 χ^2/NDF: 3057124.3/16

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

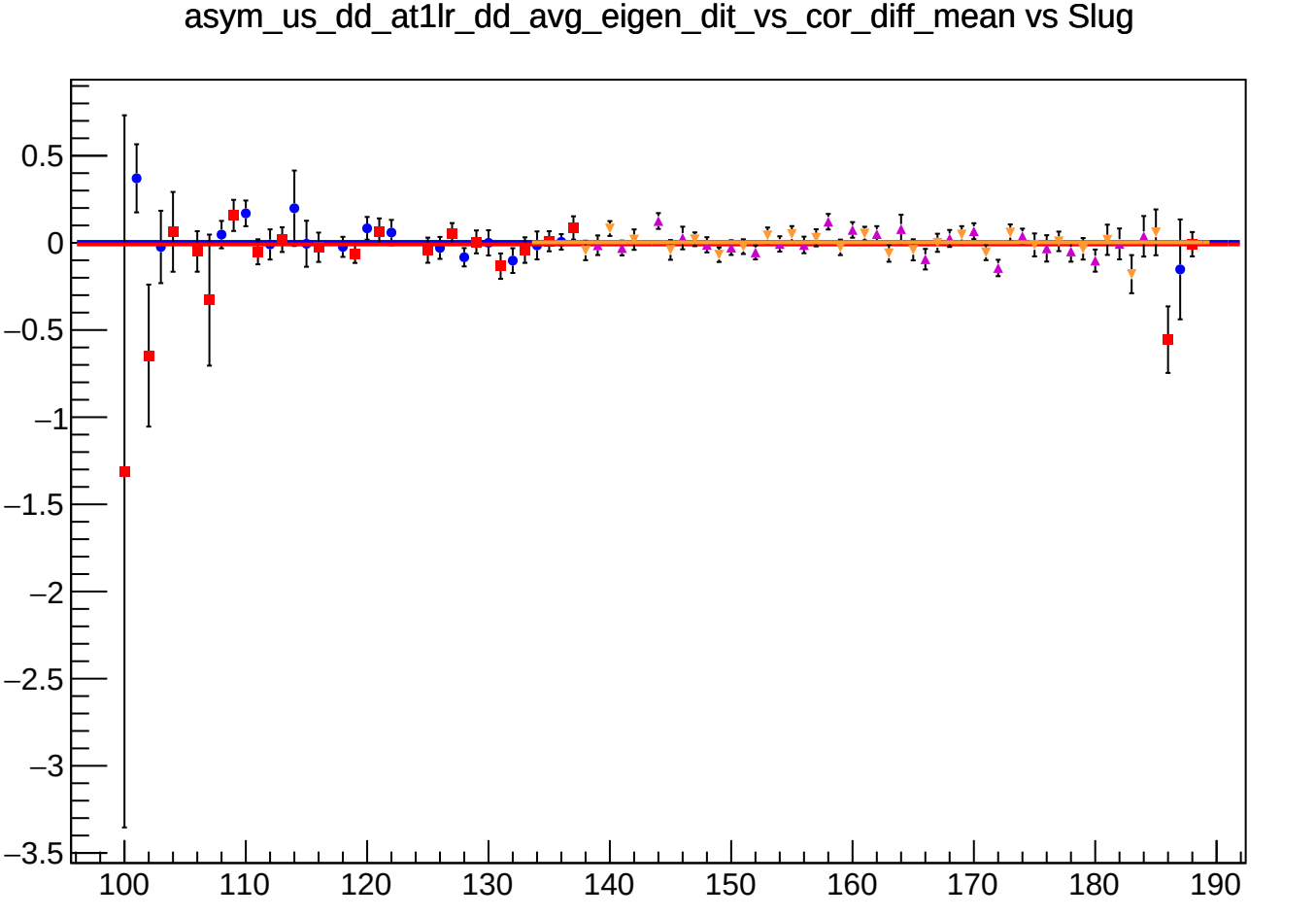
Right Out: 0.002+/-0.000 χ^2/NDF: 5966884.9/19

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 19493783.3/40

All: 0.001+/-0.000 χ^2/NDF: 37438700.8/83

- sign 0.001+/-0.000 χ^2/NDF: 17628872.5/42



Right In: 0.005+/-0.018 χ^2/NDF: 17.5/16

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

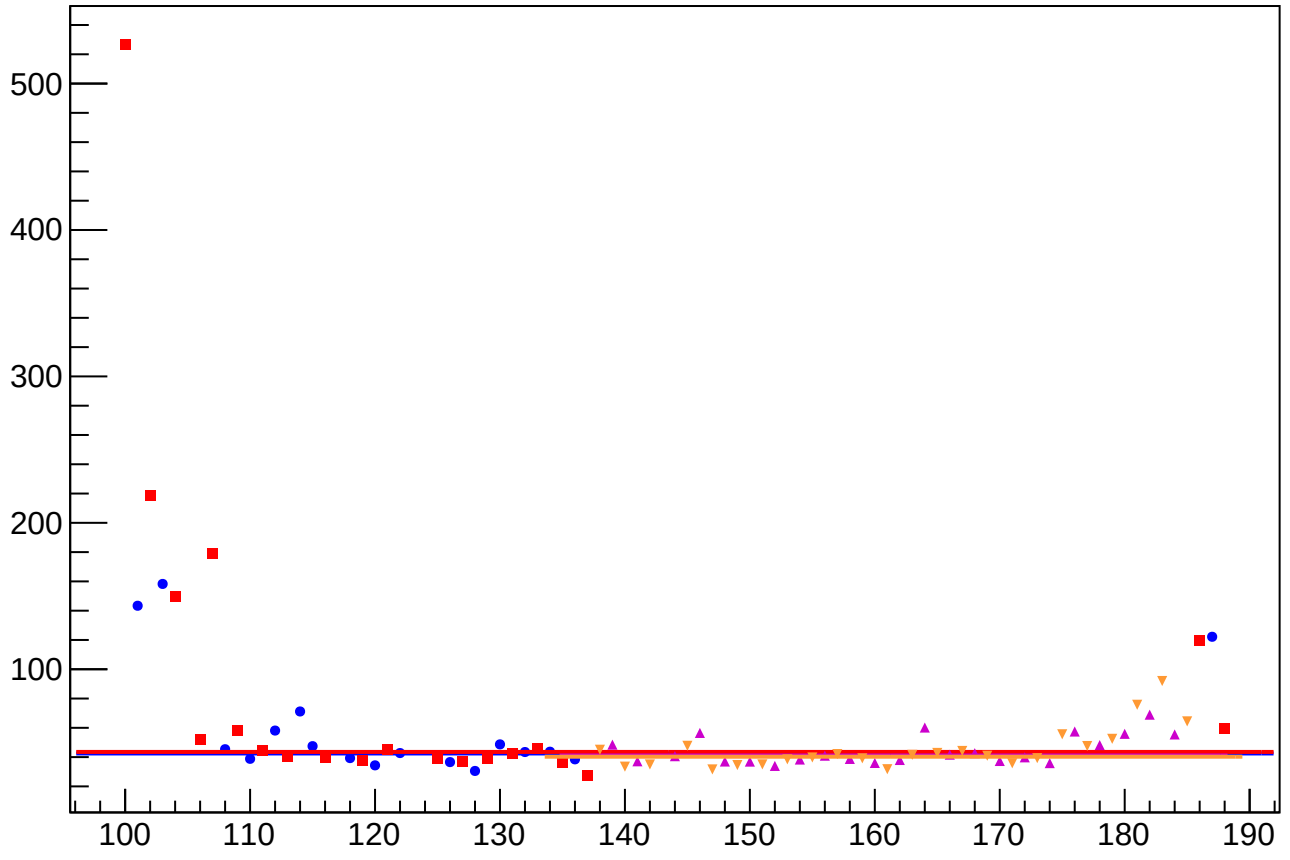
Right Out: -0.009+/-0.018 χ^2/NDF: 24.5/19

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 39.4/40

All: 0.003+/-0.006 χ^2/NDF: 105.9/83

- sign 0.002+/-0.009 χ^2/NDF: 66.4/42



Right In: 42.487+/-0.013 χ^2/NDF: 1609944.5/16

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

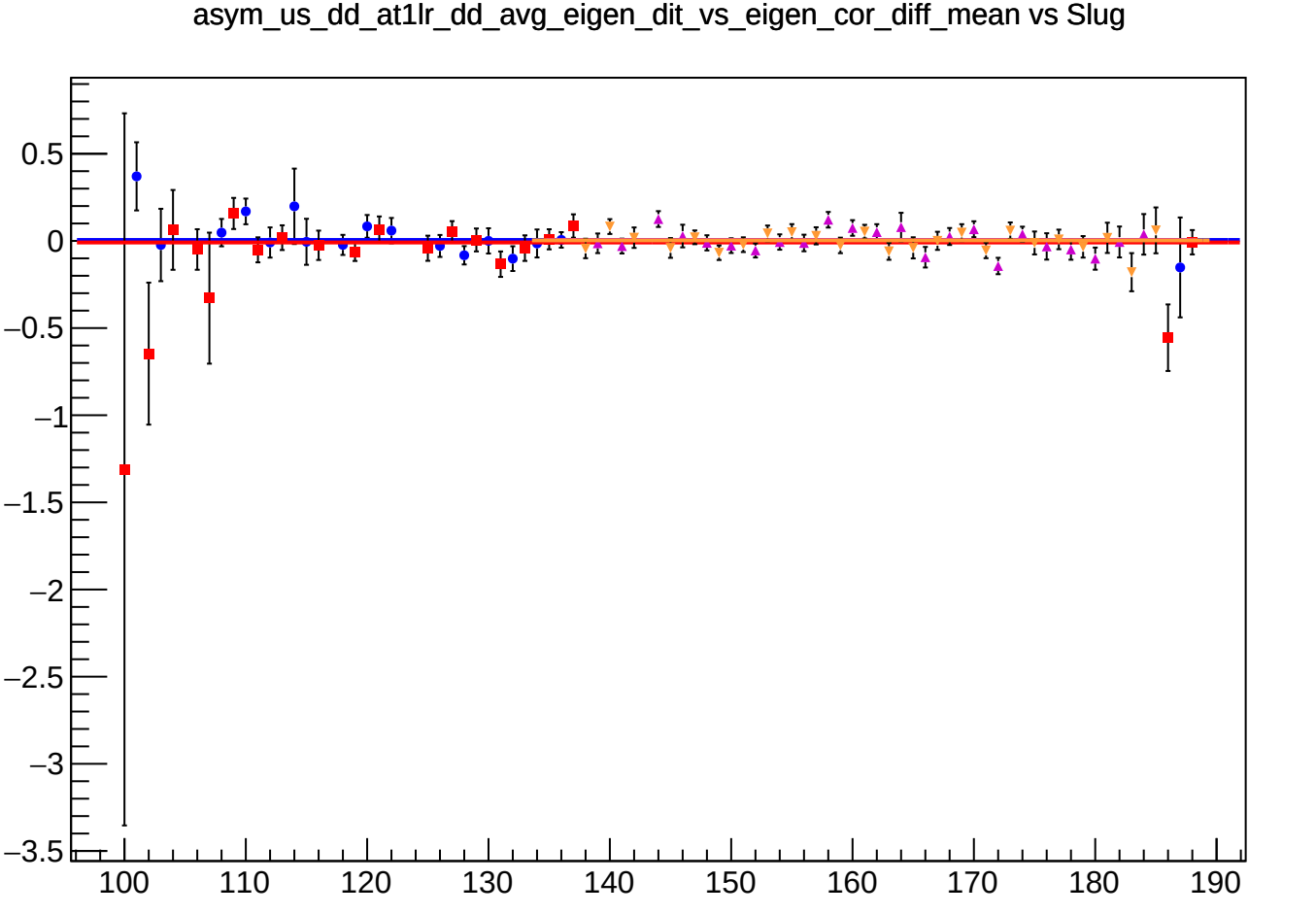
Right Out: 43.537+/-0.013 χ^2/NDF: 1882905.8/19

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 40.818+/-0.006 χ^2/NDF: 3121205.7/40

All: 41.263+/-0.005 χ^2/NDF: 5968799.8/83

- sign 41.717+/-0.006 χ^2/NDF: 2837723.9/42



Right In: 0.005+/-0.018 χ^2/NDF: 17.5/16

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

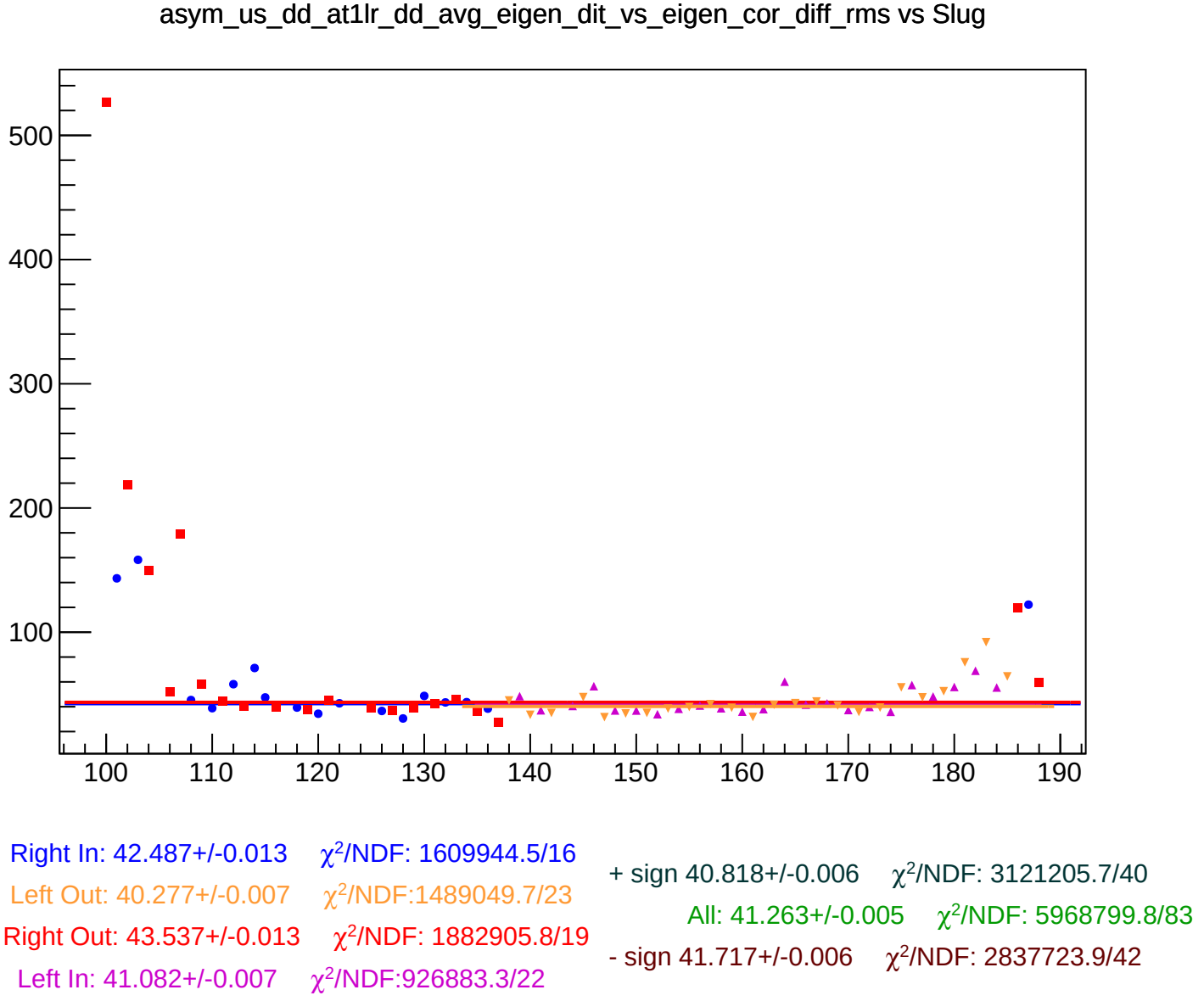
Right Out: -0.009+/-0.018 χ^2/NDF: 24.5/19

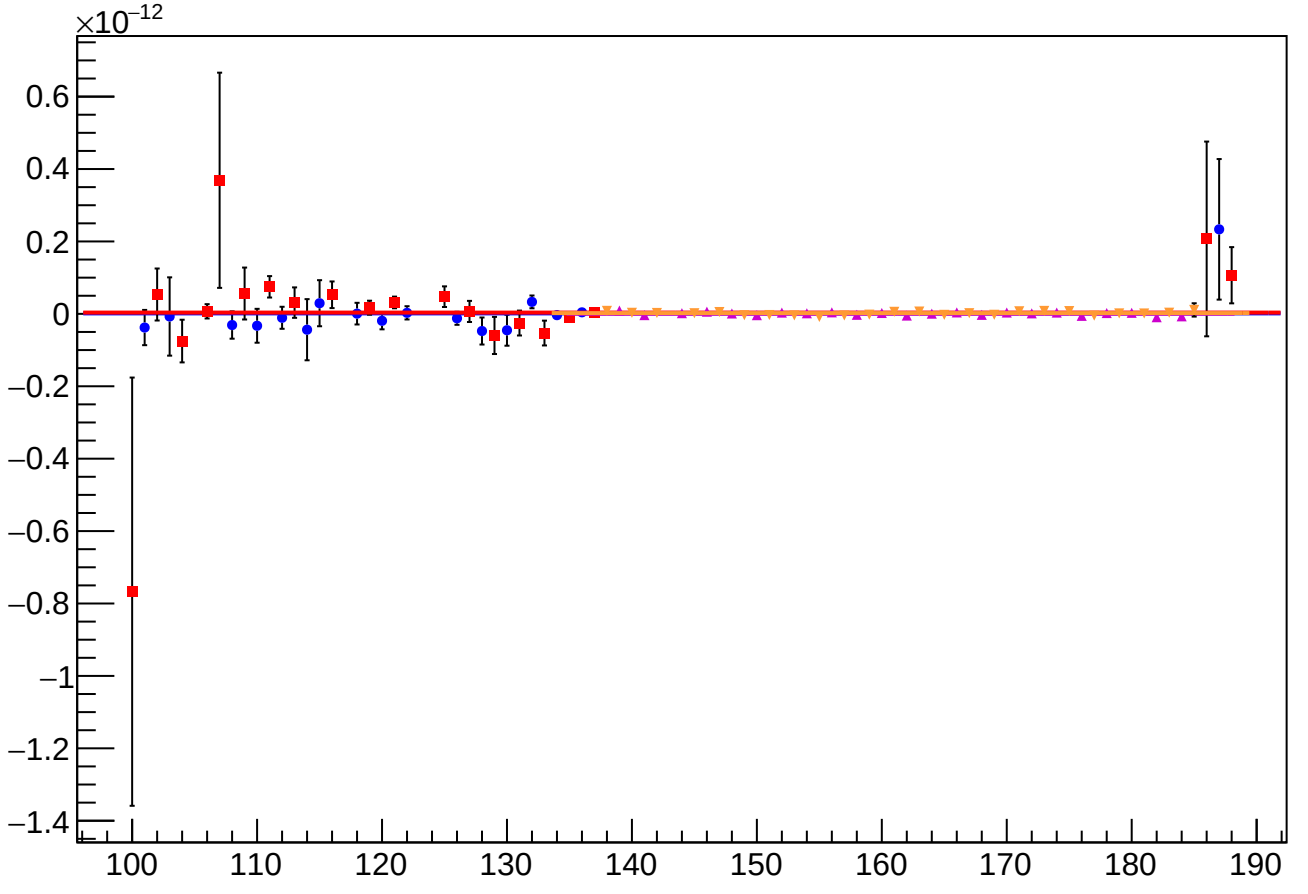
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

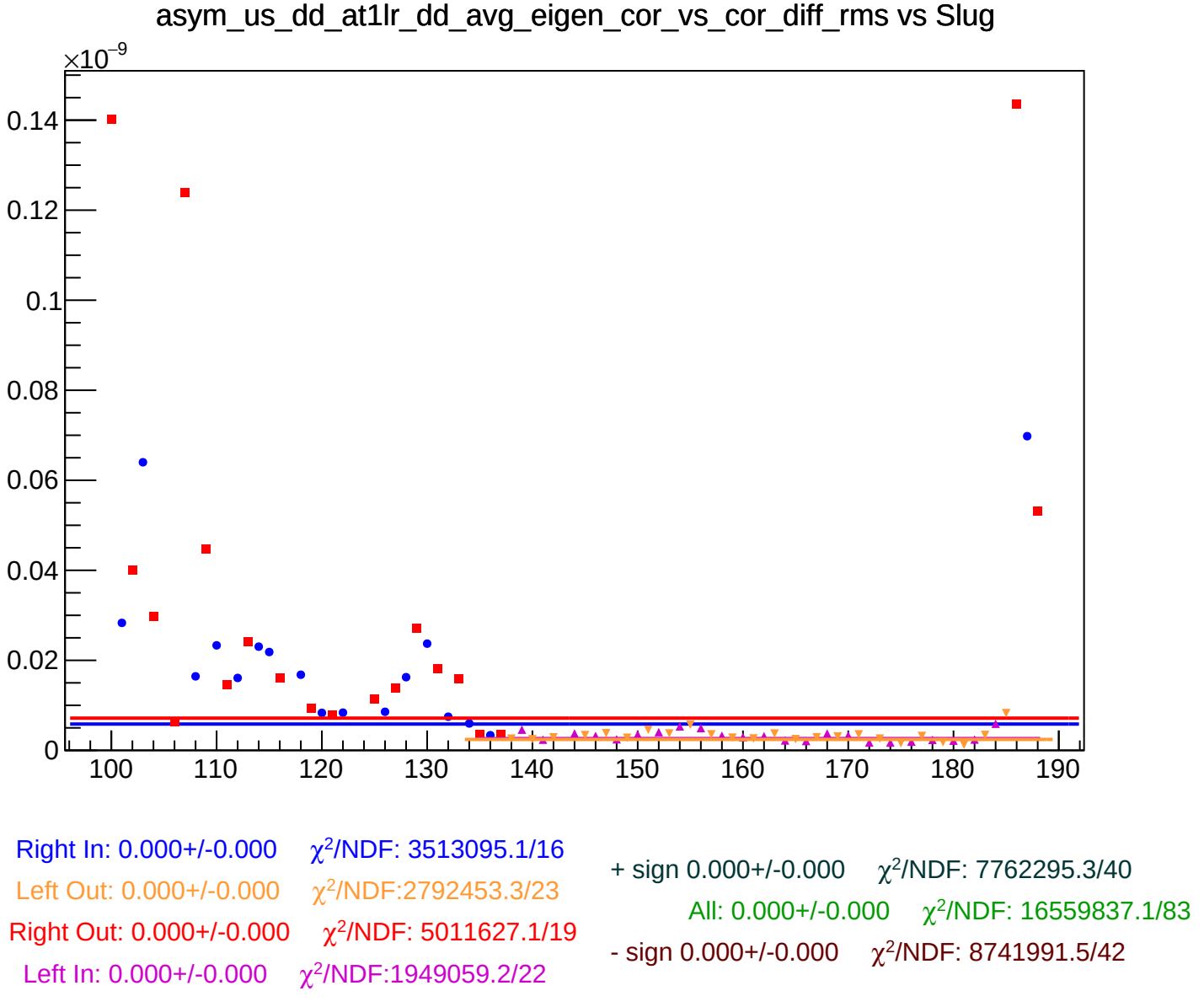
+ sign 0.004+/-0.009 χ^2/NDF: 39.4/40

All: 0.003+/-0.006 χ^2/NDF: 105.9/83

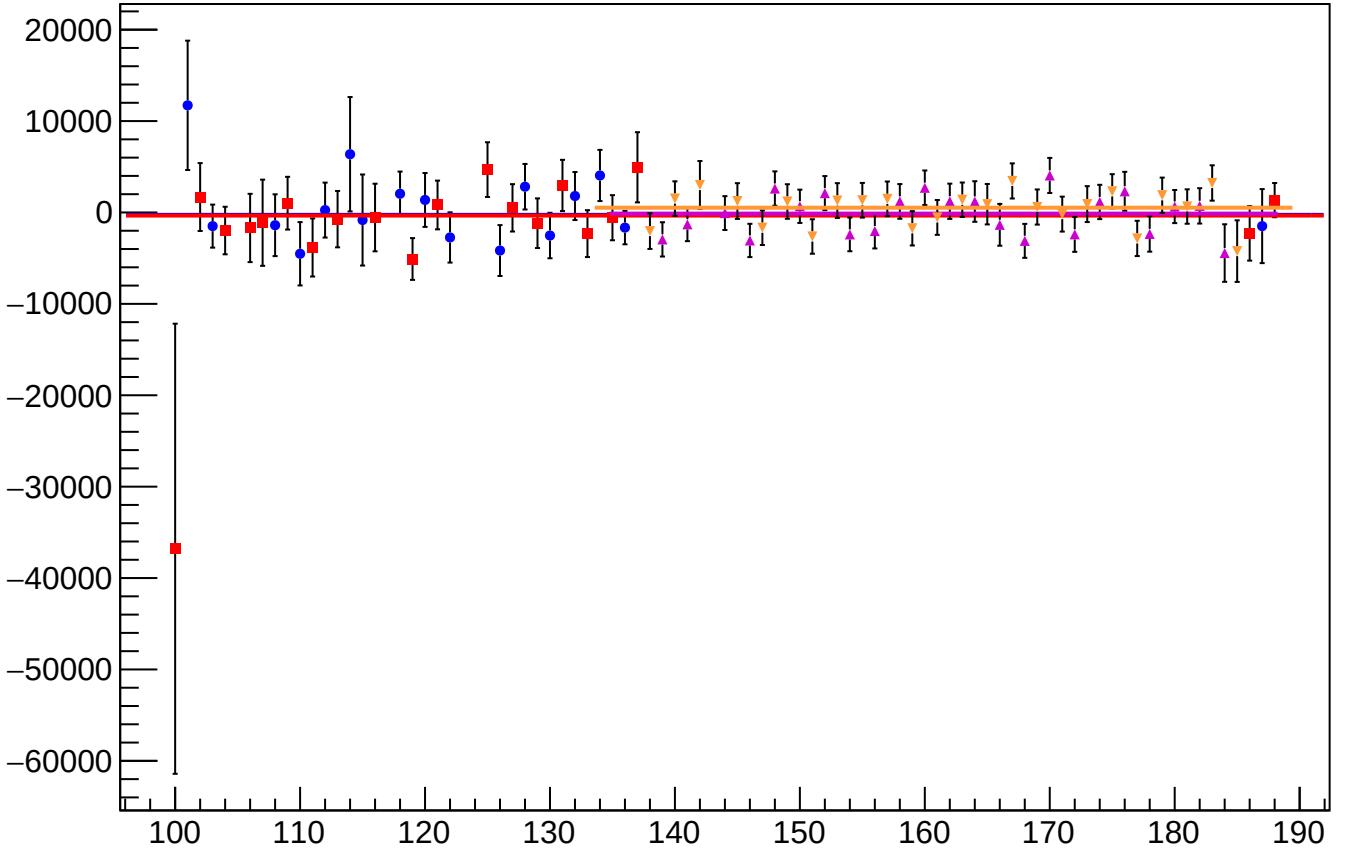
- sign 0.002+/-0.009 χ^2/NDF: 66.4/42


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
170
180
190
Right In: 42.487+/-0.013 χ²/NDF: 1609944.5/16
Left Out: 40.277+/-0.007 χ²/NDF:1489049.7/23
Right Out: 43.537+/-0.013 χ²/NDF: 1882905.8/19
Left In: 41.082+/-0.007 χ²/NDF:926883.3/22
+ sign 40.818+/-0.006 χ²/NDF: 3121205.7/40
All: 41.263+/-0.005 χ²/NDF: 5968799.8/83
- sign 41.717+/-0.006 χ²/NDF: 2837723.9/42


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 12.0/16
Left Out: 0.000+/-0.000 χ²/NDF:25.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.2/19
Left In: 0.000+/-0.000 χ²/NDF:23.1/22
+ sign 0.000+/-0.000 χ²/NDF: 37.2/40
All: 0.000+/-0.000 χ²/NDF: 93.8/83
- sign 0.000+/-0.000 χ²/NDF: 54.7/42


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3513095.1/16
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 5011627.1/19
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
+ sign 0.000+/-0.000 χ²/NDF: 7762295.3/40
All: 0.000+/-0.000 χ²/NDF: 16559837.1/83
- sign 0.000+/-0.000 χ²/NDF: 8741991.5/42

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -260.756+/-698.522 χ^2/NDF: 15.9/16

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -338.479+/-649.027 χ^2/NDF: 17.1/19

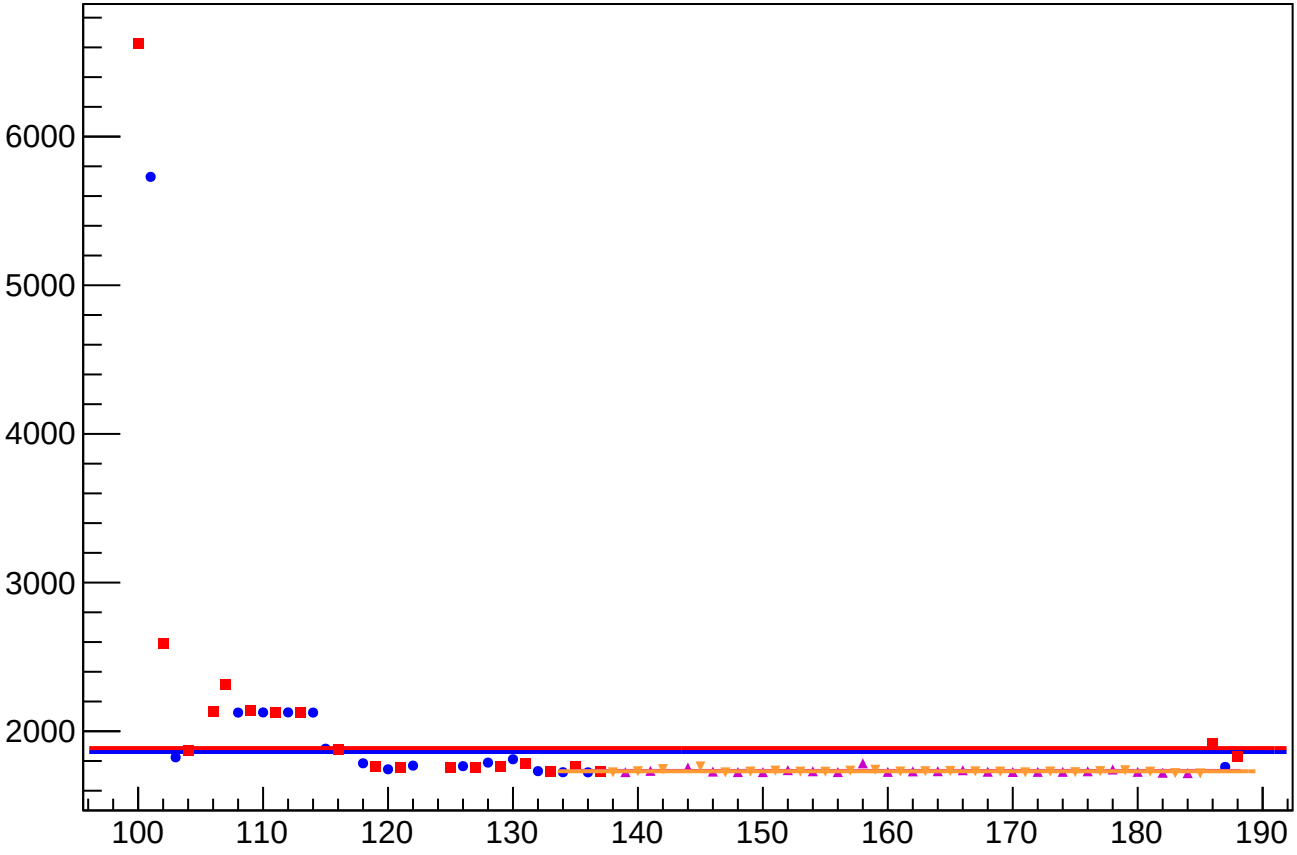
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 325.910+/-348.229 χ^2/NDF: 37.6/40

All: 66.613+/-244.498 χ^2/NDF: 85.4/83

- sign -185.493+/-343.366 χ^2/NDF: 46.7/42

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1860.505+/-0.494 χ^2/NDF: 675930.1/16

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

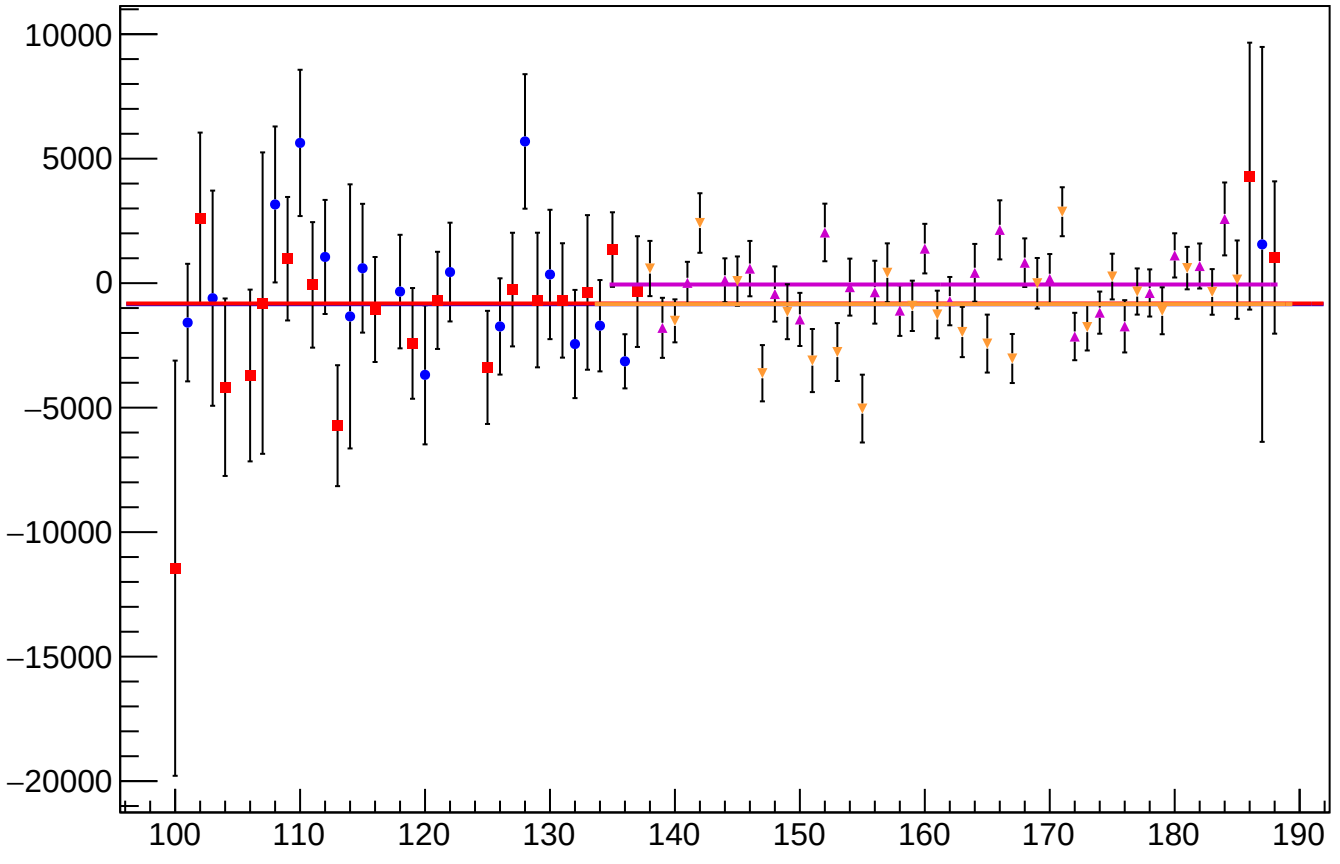
Right Out: 1886.663+/-0.459 χ^2/NDF: 253666.7/19

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.070+/-0.246 χ^2/NDF: 728682.4/40

All: 1769.633+/-0.173 χ^2/NDF: 1066711.7/83

- sign 1776.014+/-0.243 χ^2/NDF: 336628.2/42



Right In: -845.747+/-548.475 χ^2/NDF: 20.7/16

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

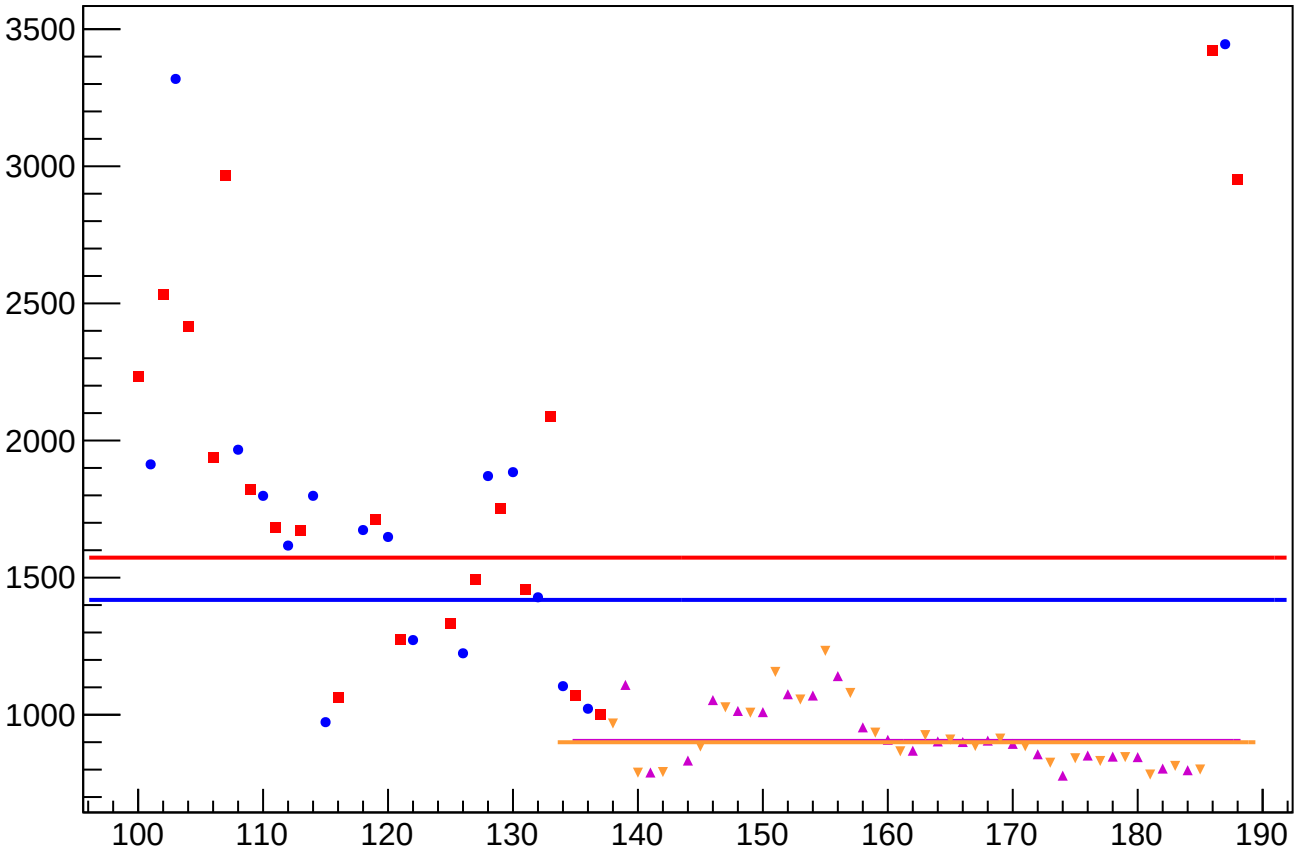
Right Out: -816.687+/-570.352 χ^2/NDF: 14.2/19

Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

\+ sign -842.863+/-196.810 χ^2/NDF: 83.4/40

All: -499.793+/-140.111 χ^2/NDF: 136.0/83

\- sign -147.241+/-199.512 χ^2/NDF: 46.4/42



Right In: 1418.834+/-0.388 χ^2/NDF: 1298898.2/16

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1572.947+/-0.403 χ^2/NDF: 1704767.8/19

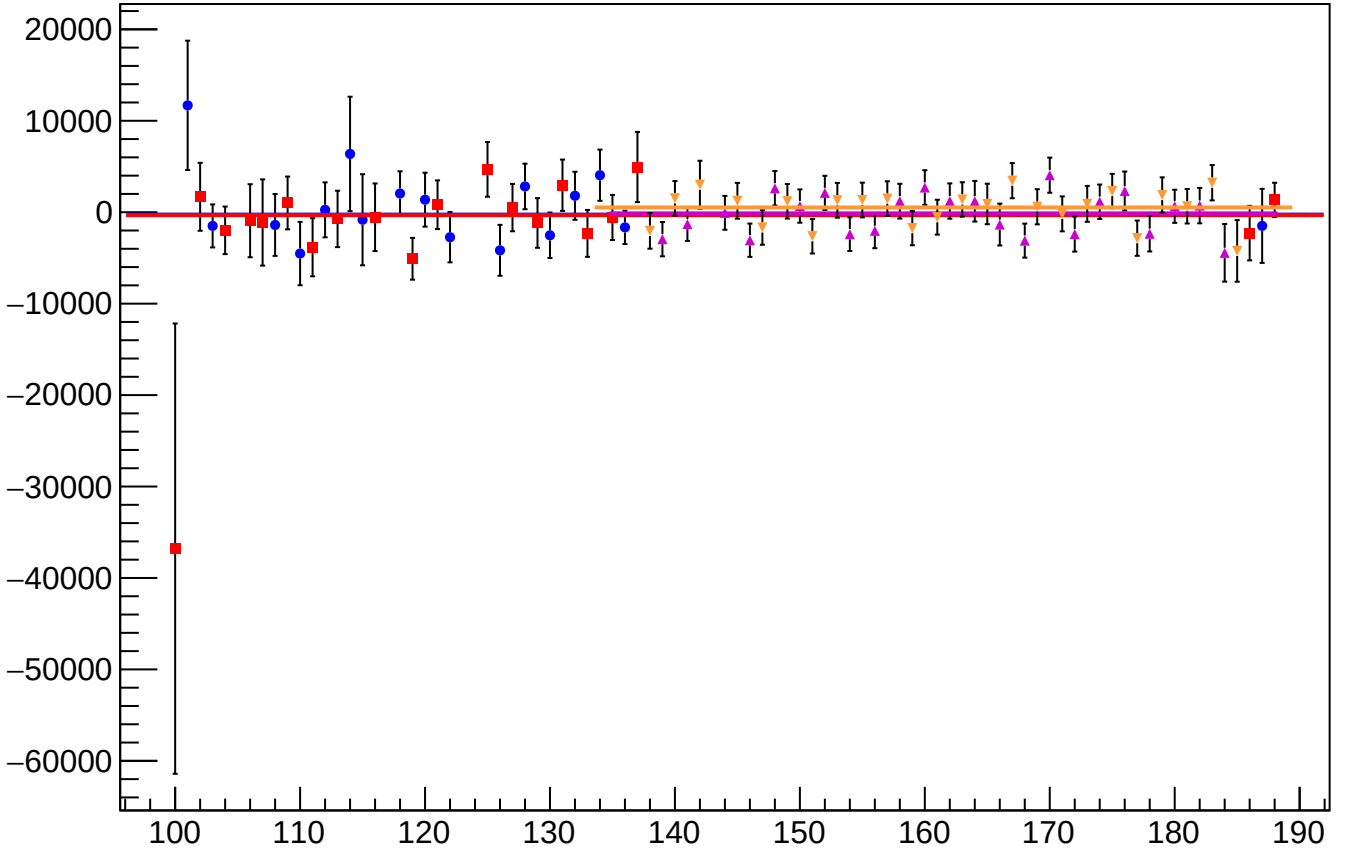
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

\+ sign 966.641+/-0.139 χ^2/NDF: 3354594.5/40

All: 976.400+/-0.099 χ^2/NDF: 7931431.9/83

\- sign 986.430+/-0.141 χ^2/NDF: 4566865.0/42

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -261.503+/-698.522 χ^2/NDF: 15.9/16

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -313.497+/-650.258 χ^2/NDF: 17.0/19

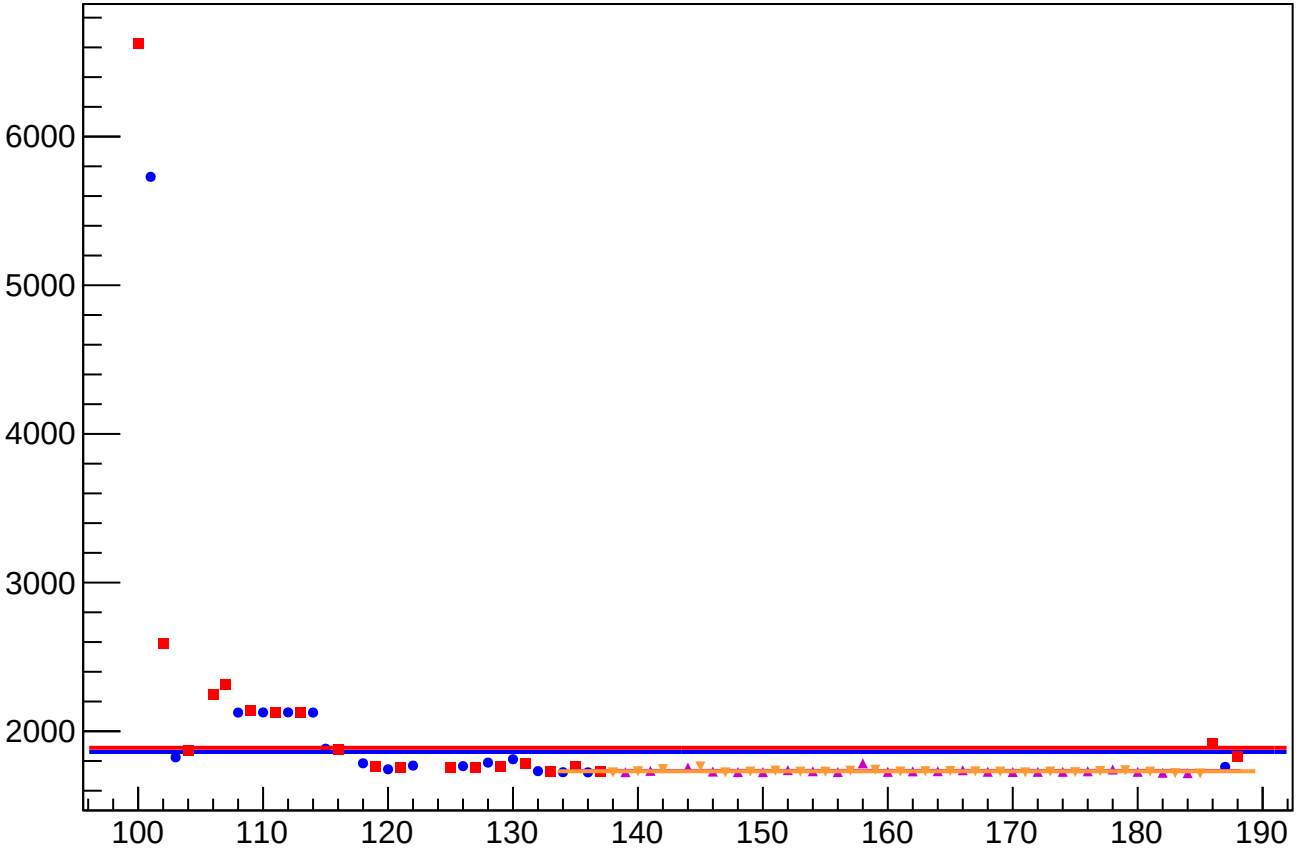
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 325.745+/-348.229 χ^2/NDF: 37.6/40

All: 70.260+/-244.563 χ^2/NDF: 85.2/83

- sign -178.401+/-343.548 χ^2/NDF: 46.5/42

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1860.505+/-0.494 χ^2/NDF: 675930.0/16

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

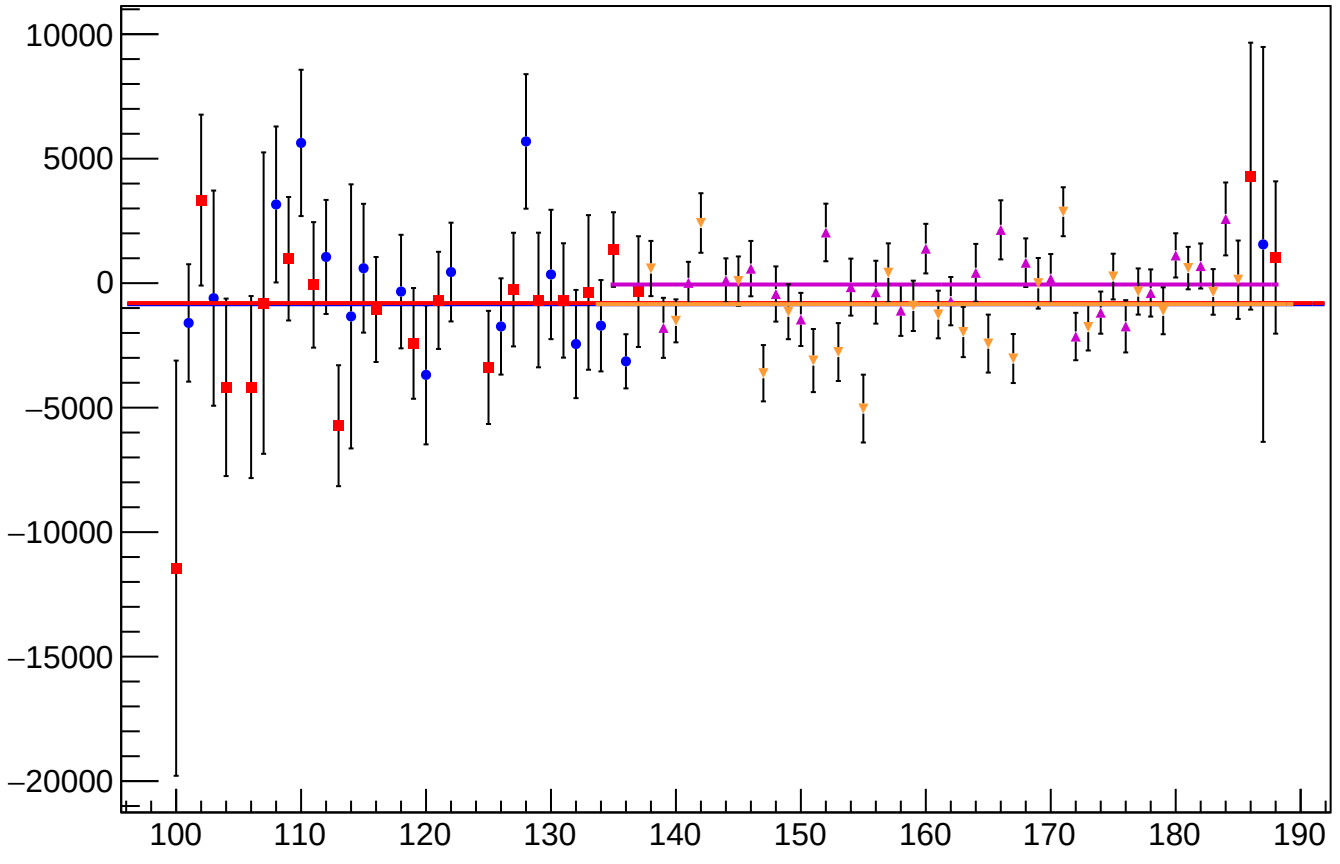
Right Out: 1888.823+/-0.460 χ^2/NDF: 261458.0/19

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.070+/-0.246 χ^2/NDF: 728682.2/40

All: 1769.876+/-0.173 χ^2/NDF: 1076667.9/83

- sign 1776.500+/-0.243 χ^2/NDF: 346478.2/42



Right In: -846.567+/-548.432 χ^2/NDF: 20.7/16

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -799.580+/-571.208 χ^2/NDF: 14.8/19

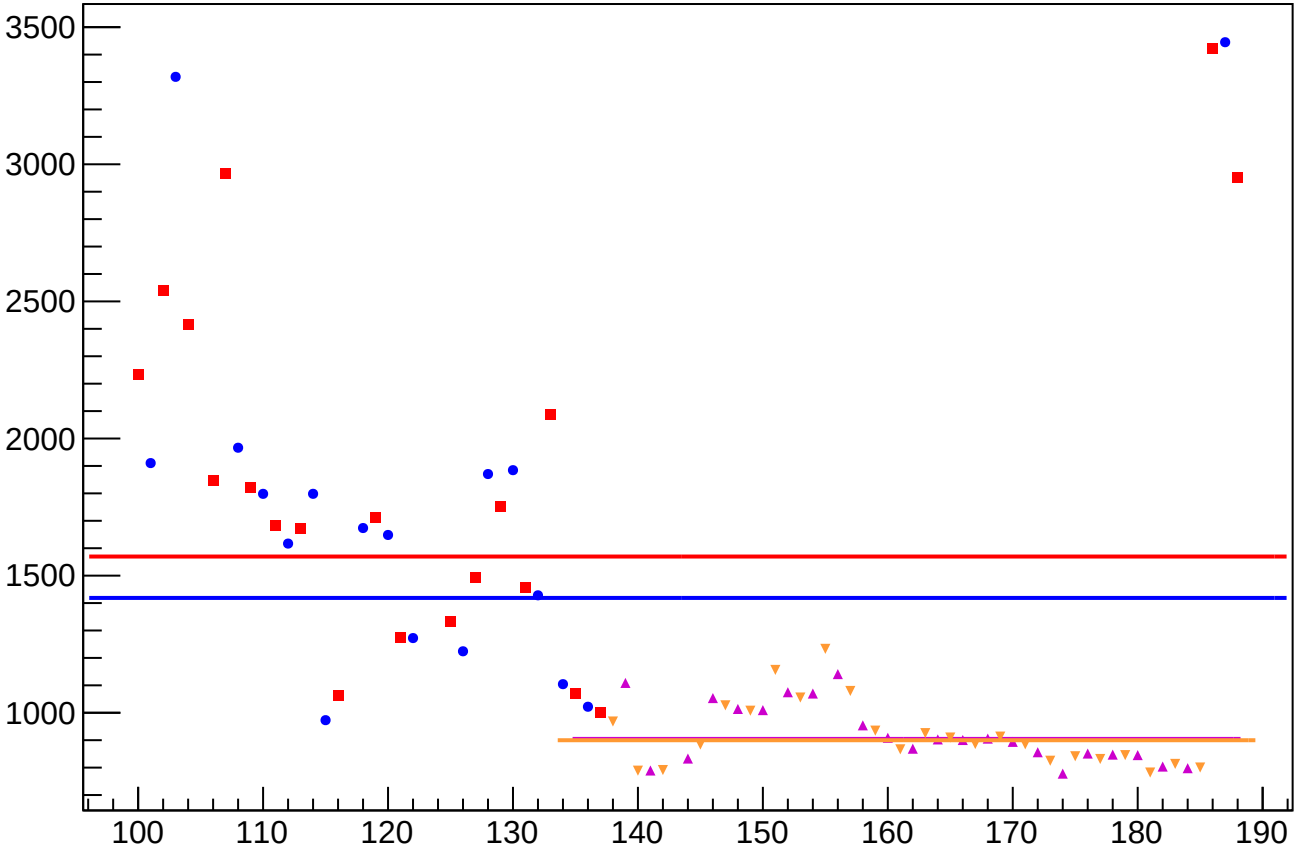
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -843.000+/-196.808 χ^2/NDF: 83.4/40

All: -498.787+/-140.123 χ^2/NDF: 136.6/83

\- sign -144.927+/-199.548 χ^2/NDF: 47.0/42

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1418.755+/-0.388 χ^2/NDF: 1298267.3/16

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1569.680+/-0.404 χ^2/NDF: 1695116.5/19

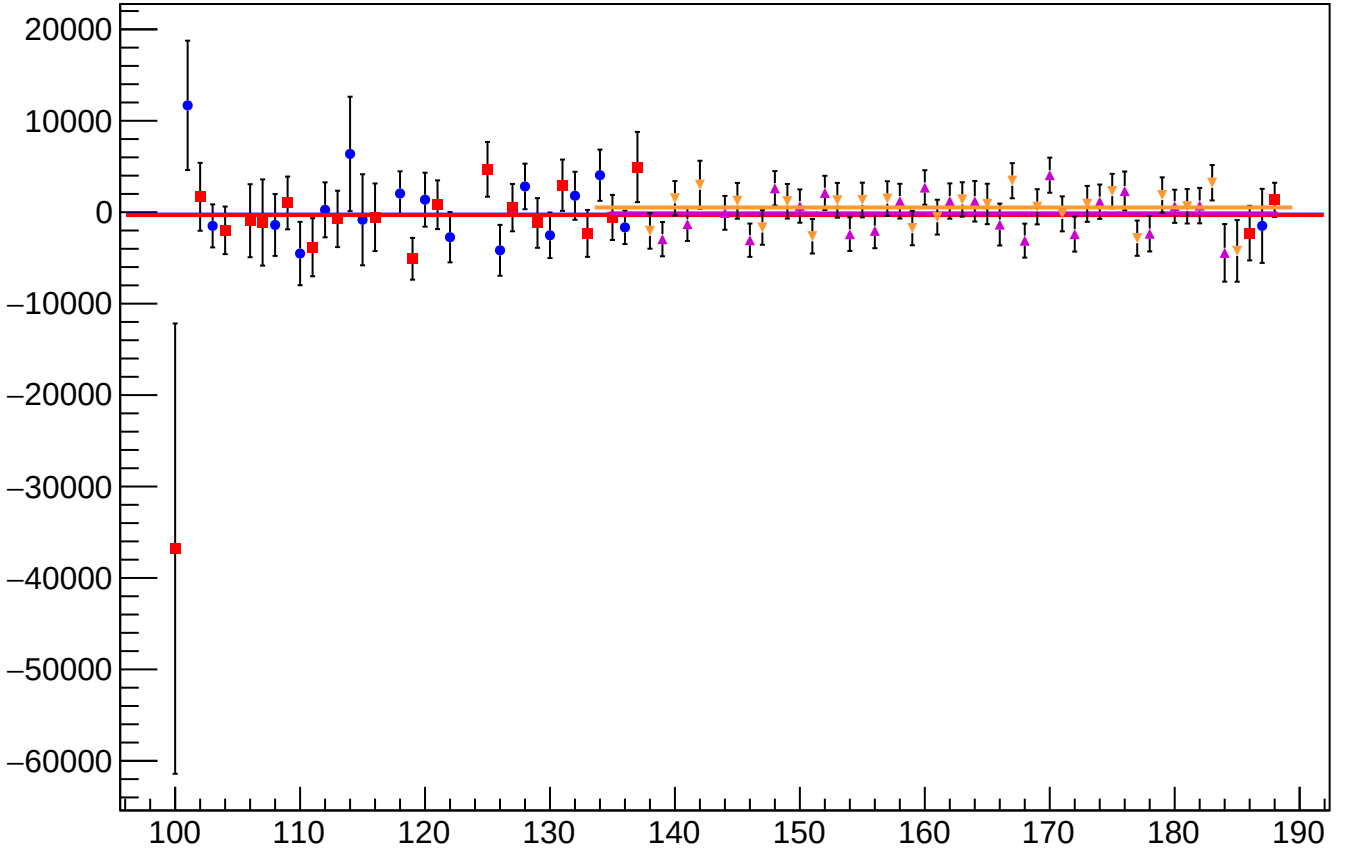
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

\+ sign 966.642+/-0.139 χ^2/NDF: 3353631.5/40

All: 976.095+/-0.099 χ^2/NDF: 7890458.1/83

\- sign 985.813+/-0.141 χ^2/NDF: 4527469.6/42

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -261.503+/-698.522 χ^2/NDF: 15.9/16

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -313.497+/-650.258 χ^2/NDF: 17.0/19

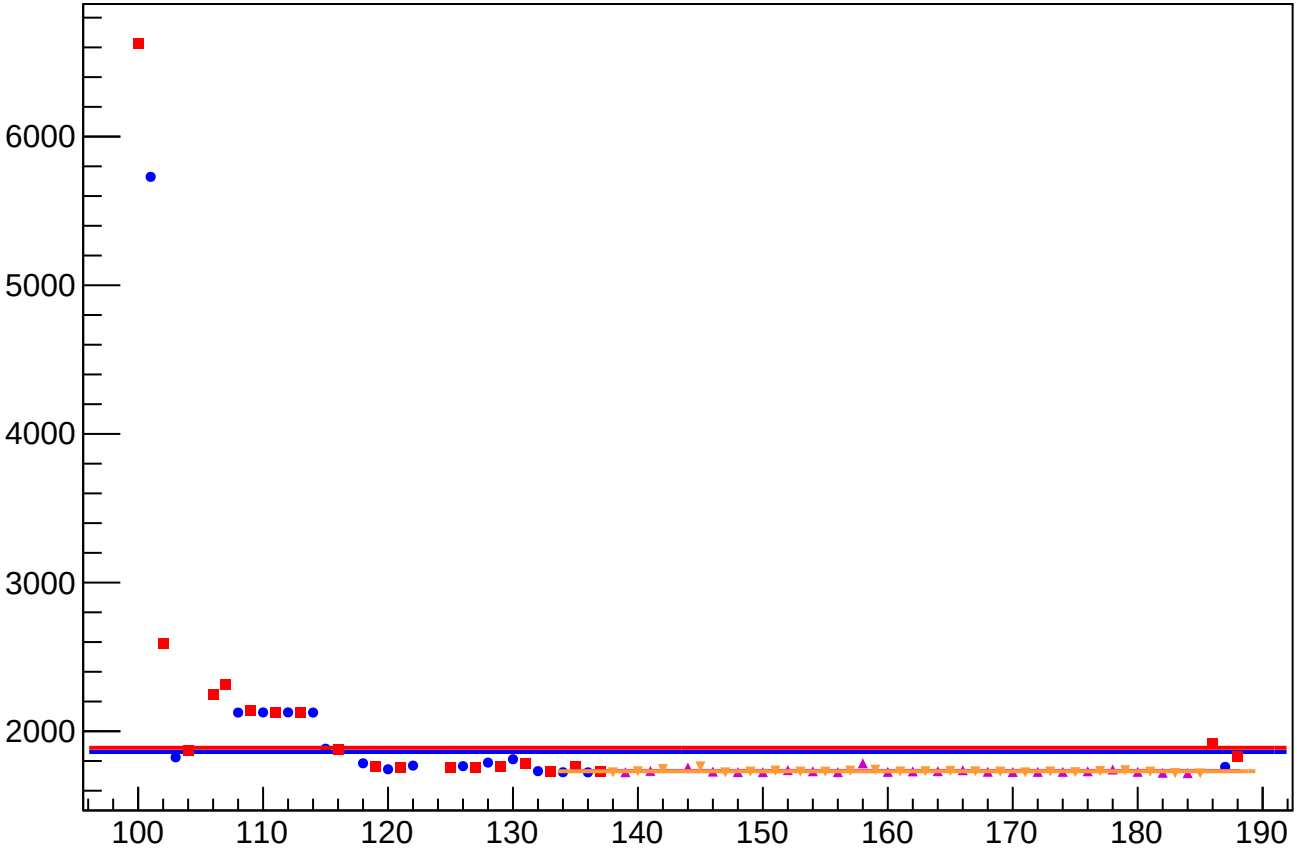
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 325.745+/-348.229 χ^2/NDF: 37.6/40

All: 70.260+/-244.563 χ^2/NDF: 85.2/83

- sign -178.401+/-343.548 χ^2/NDF: 46.5/42

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1860.505+/-0.494 χ^2/NDF: 675930.0/16

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

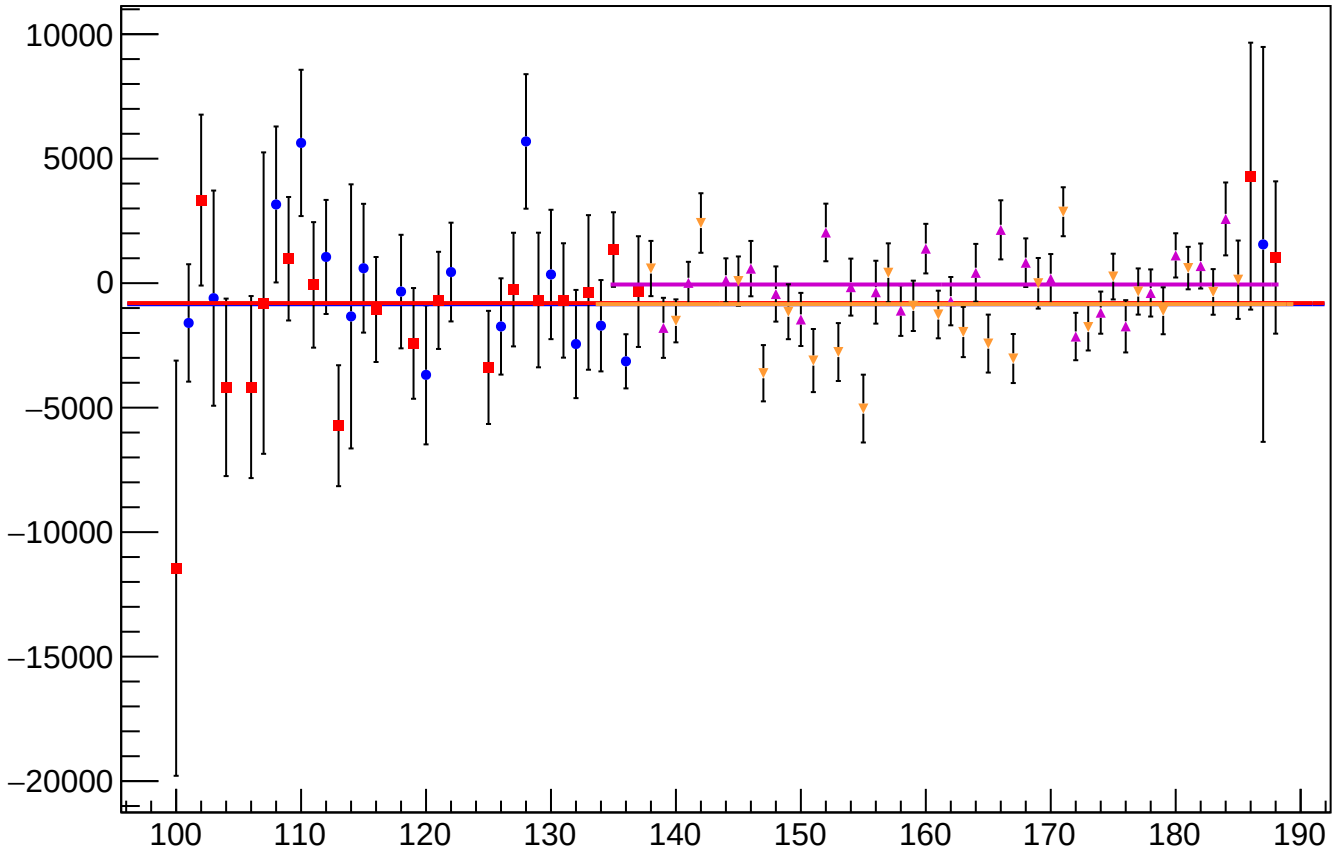
Right Out: 1888.823+/-0.460 χ^2/NDF: 261458.0/19

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.070+/-0.246 χ^2/NDF: 728682.2/40

All: 1769.876+/-0.173 χ^2/NDF: 1076667.9/83

- sign 1776.500+/-0.243 χ^2/NDF: 346478.2/42



Right In: -846.567+/-548.432 χ^2/NDF: 20.7/16

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

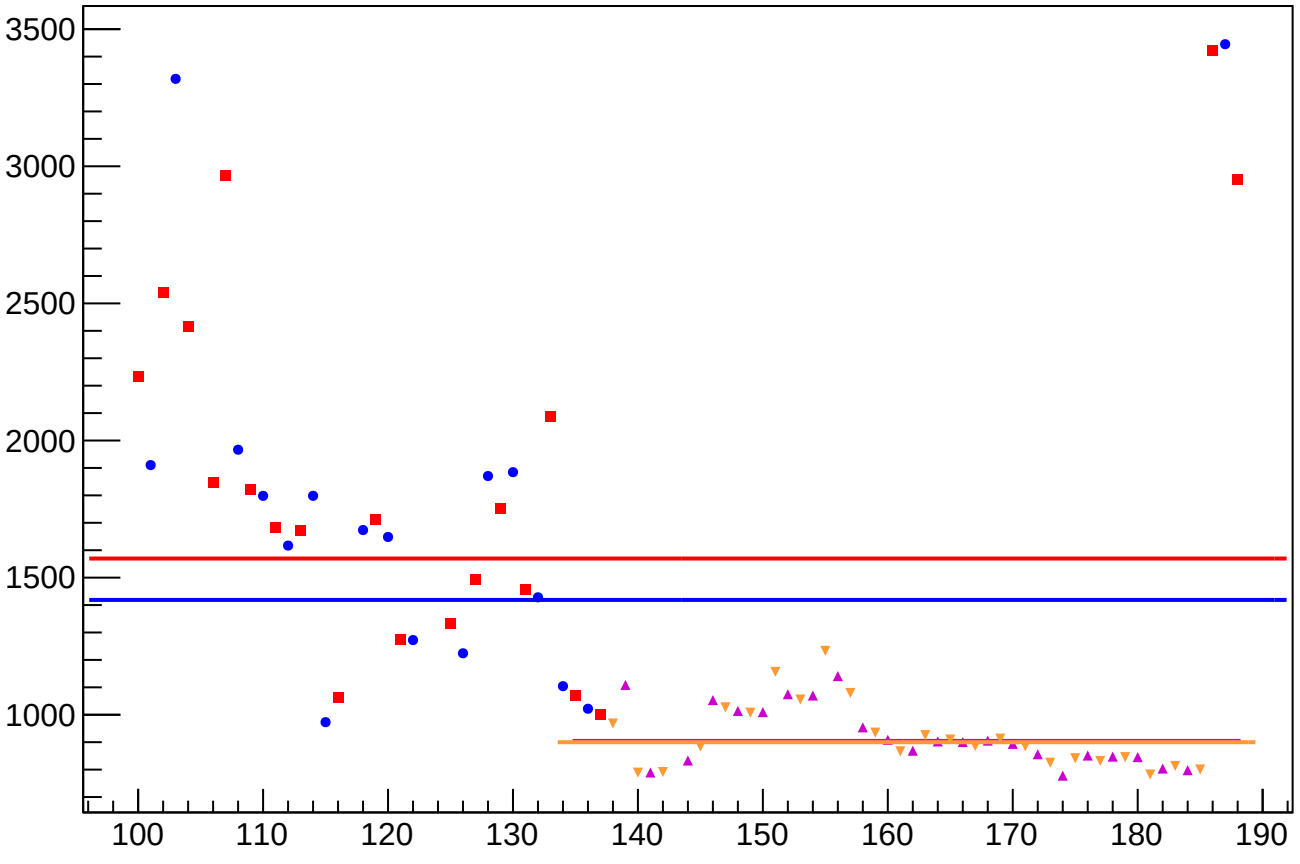
Right Out: -799.580+/-571.208 χ^2/NDF: 14.8/19

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -843.000+/-196.808 χ^2/NDF: 83.4/40

All: -498.787+/-140.123 χ^2/NDF: 136.6/83

- sign -144.927+/-199.548 χ^2/NDF: 47.0/42



Right In: 1418.755+/-0.388 χ^2/NDF: 1298267.3/16

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1569.680+/-0.404 χ^2/NDF: 1695116.5/19

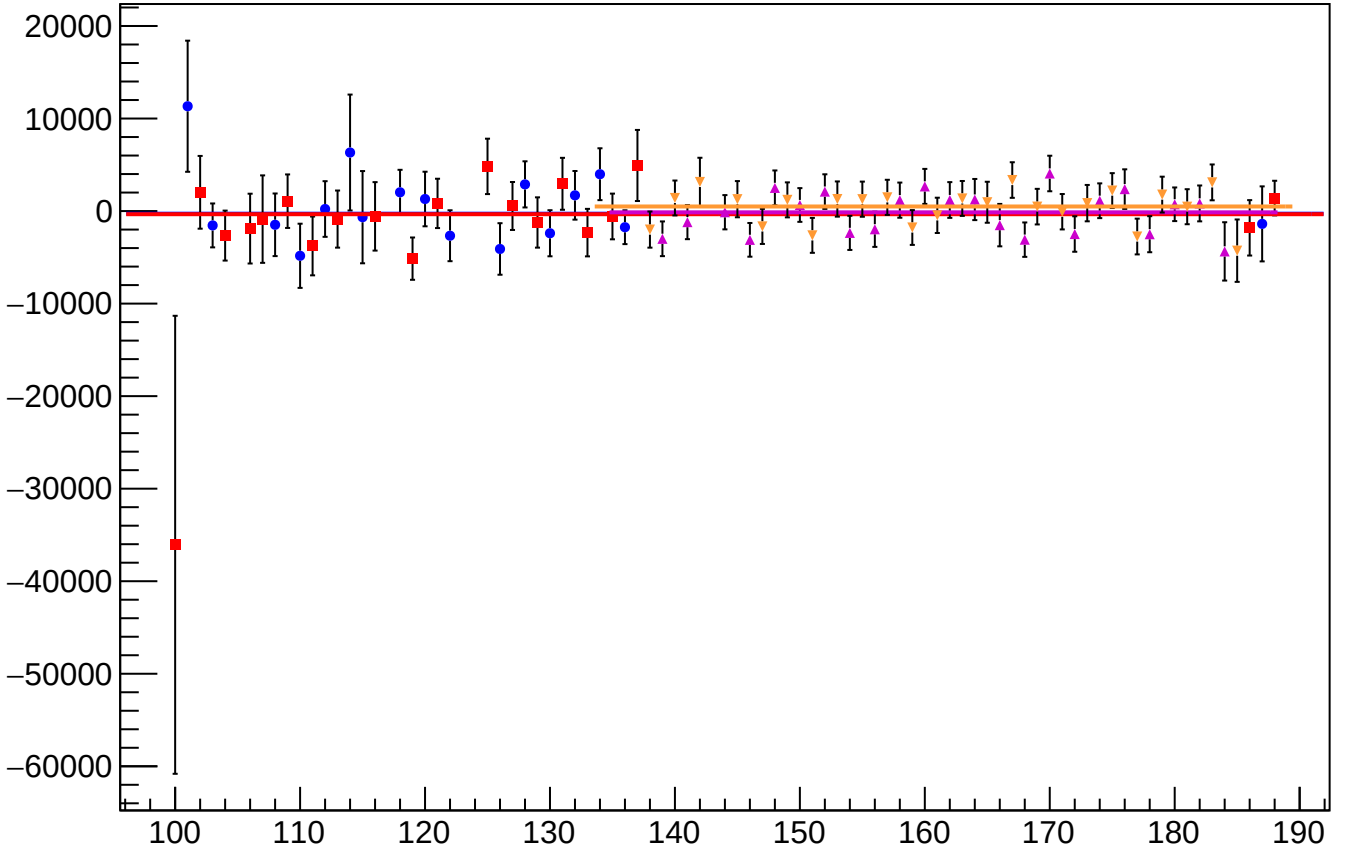
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

\+ sign 966.642+/-0.139 χ^2/NDF: 3353631.5/40

All: 976.095+/-0.099 χ^2/NDF: 7890458.1/83

\- sign 985.813+/-0.141 χ^2/NDF: 4527469.6/42

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -285.746+/-699.326 χ^2/NDF: 15.7/16

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -339.388+/-652.197 χ^2/NDF: 17.6/19

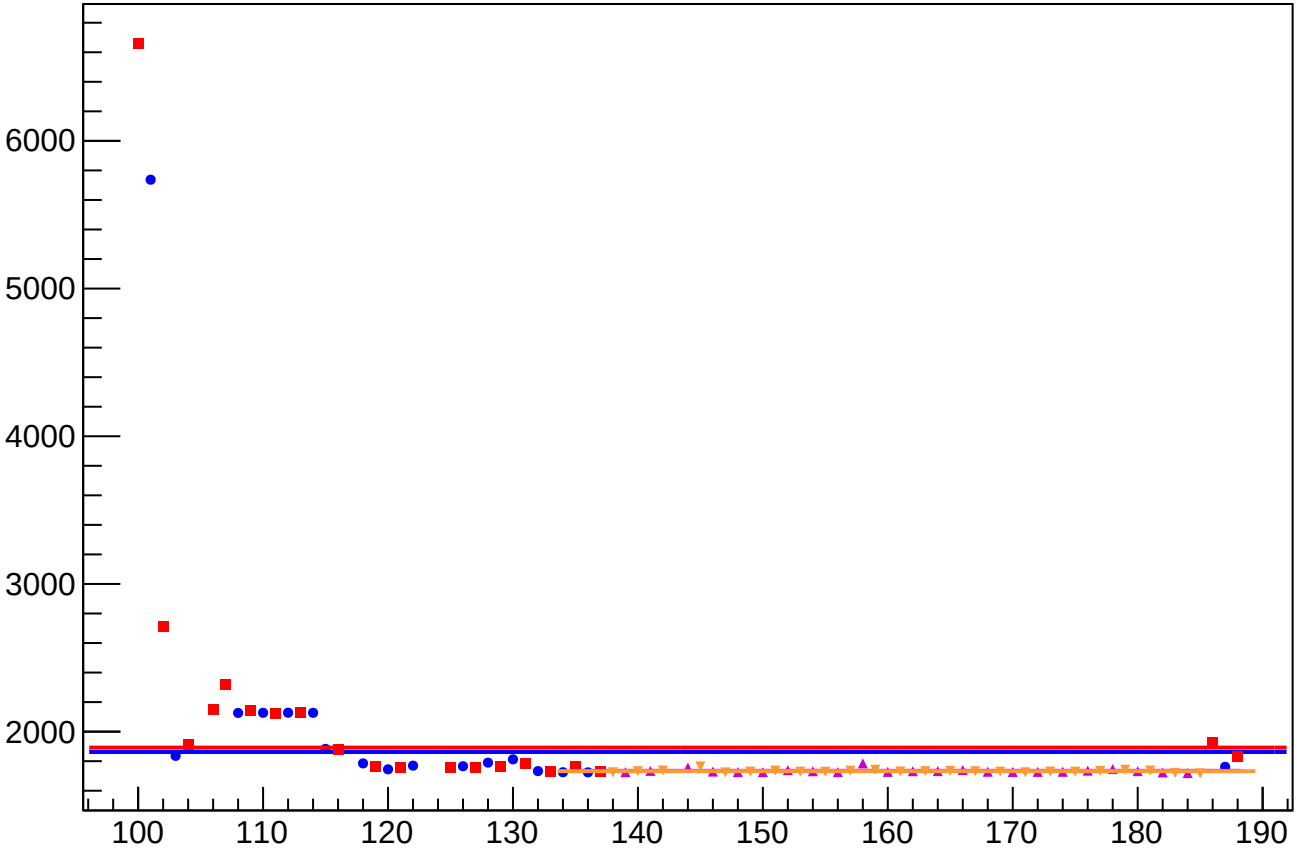
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 300.960+/-348.566 χ^2/NDF: 36.7/40

All: 50.541+/-244.863 χ^2/NDF: 84.9/83

- sign -193.440+/-344.056 χ^2/NDF: 47.2/42

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1862.353+/-0.494 χ^2/NDF: 676259.5/16

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

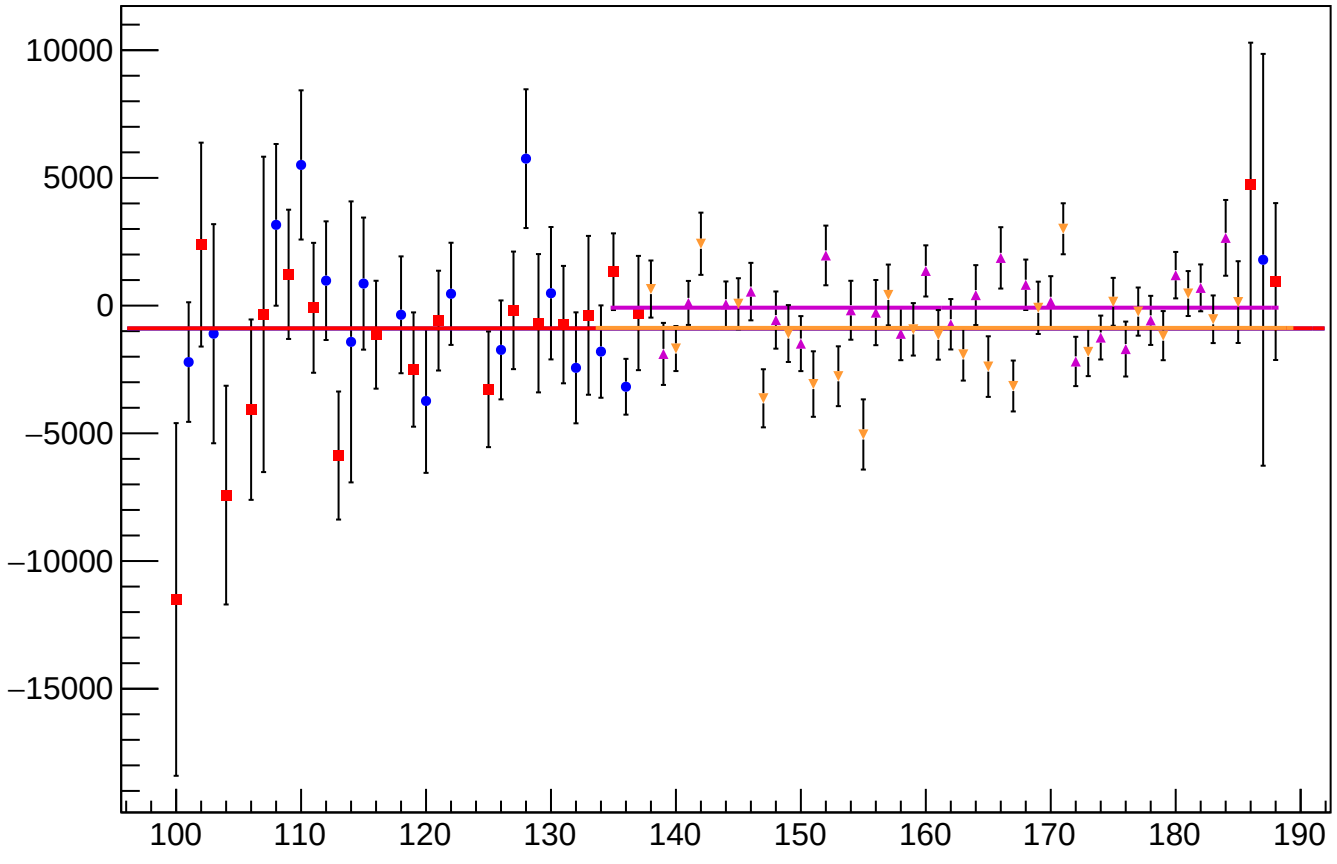
Right Out: 1891.846+/-0.461 χ^2/NDF: 271573.5/19

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1764.676+/-0.246 χ^2/NDF: 729084.7/40

All: 1771.596+/-0.173 χ^2/NDF: 1088370.0/83

- sign 1778.338+/-0.243 χ^2/NDF: 357729.3/42



Right In: -898.387+/-549.555 χ^2/NDF: 21.1/16

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: -888.822+/-577.784 χ^2/NDF: 16.4/19

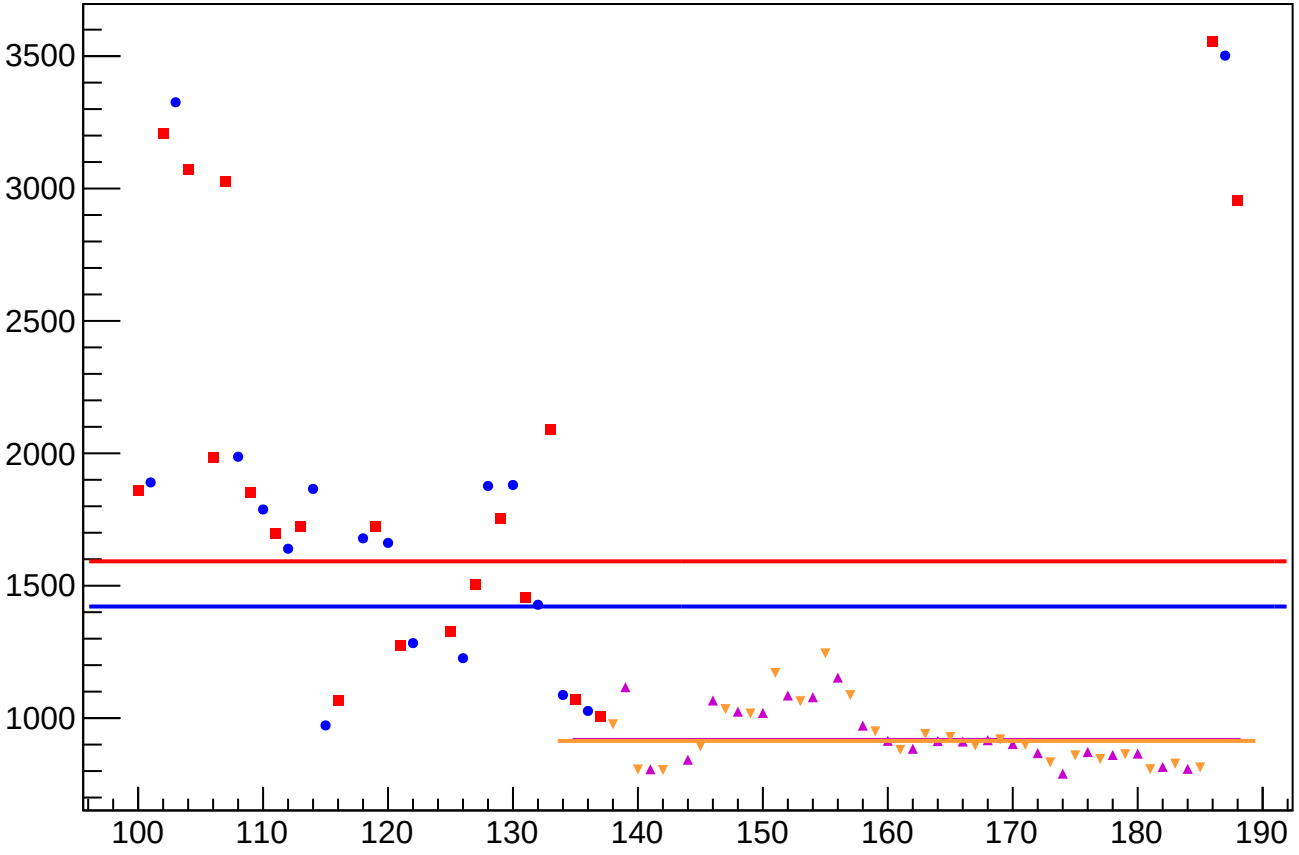
Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -876.193+/-199.420 χ^2/NDF: 83.1/40

All: -533.223+/-142.002 χ^2/NDF: 137.1/83

- sign -180.441+/-202.253 χ^2/NDF: 48.0/42

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1421.462+/-0.389 χ^2/NDF: 1311573.6/16

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

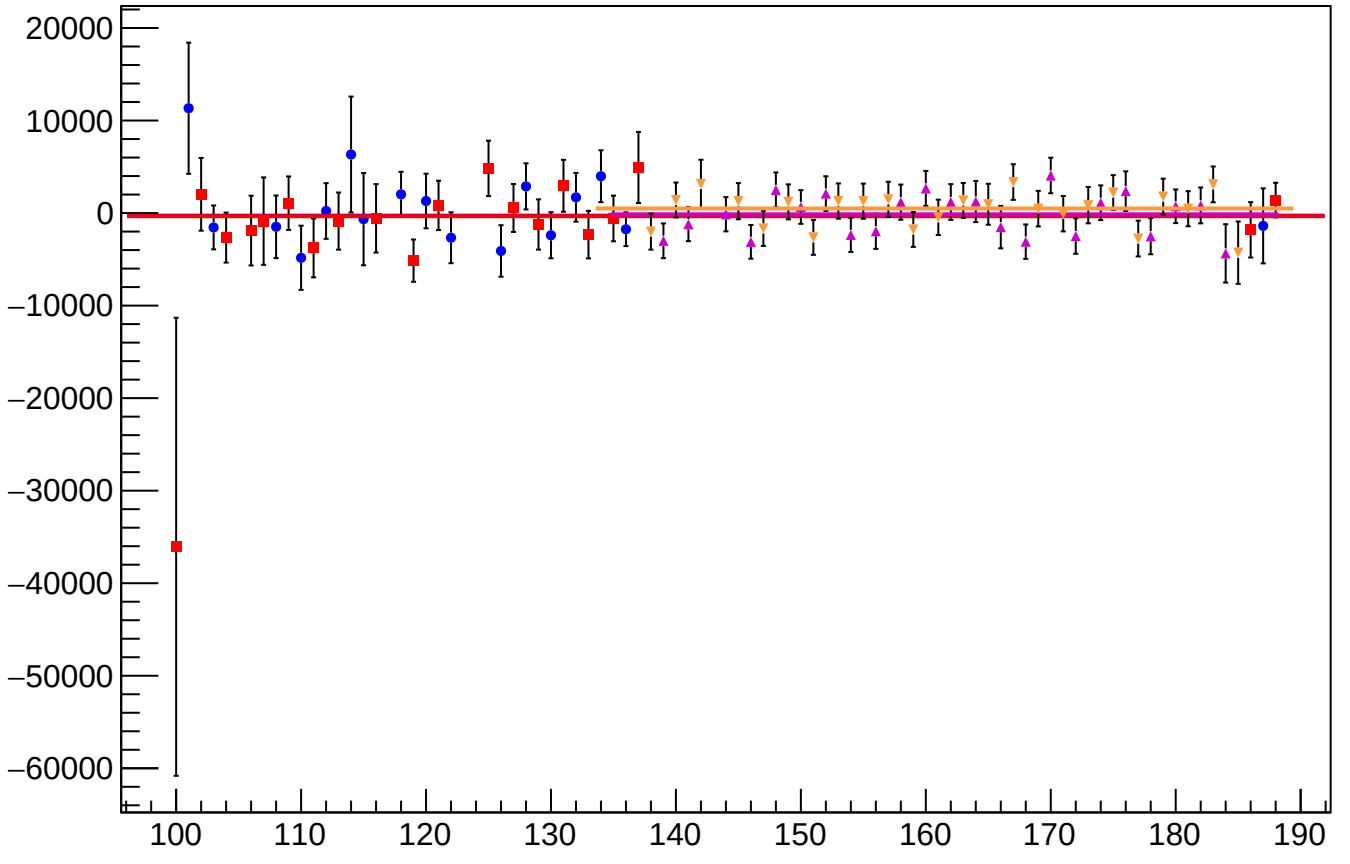
Right Out: 1592.088+/-0.409 χ^2/NDF: 2033597.8/19

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 980.734+/-0.141 χ^2/NDF: 3255810.1/40

All: 990.385+/-0.100 χ^2/NDF: 8120422.1/83

- sign 1000.313+/-0.143 χ^2/NDF: 4855108.9/42



Right In: -285.745+/-699.326 χ^2/NDF: 15.7/16

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -339.388+/-652.197 χ^2/NDF: 17.6/19

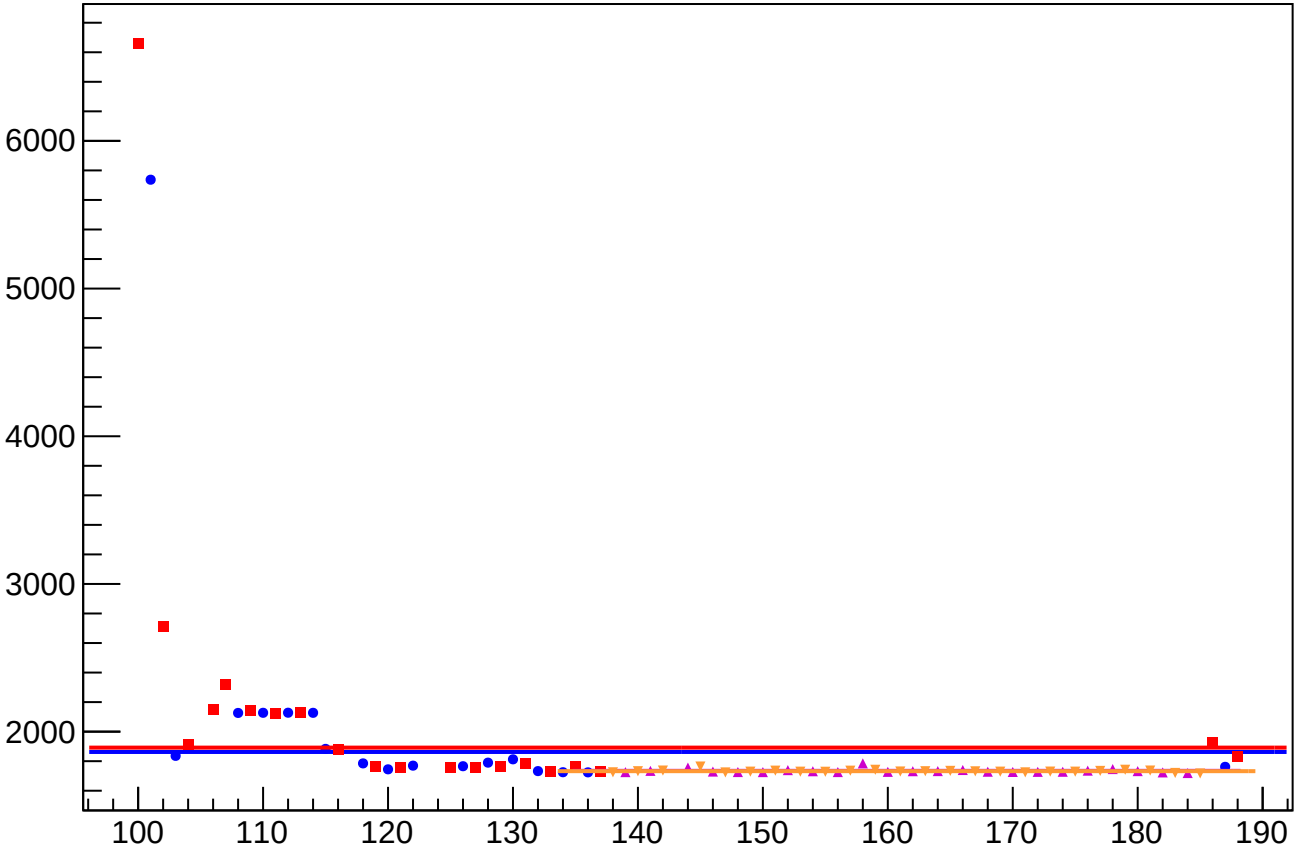
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 300.960+/-348.566 χ^2/NDF: 36.7/40

All: 50.541+/-244.863 χ^2/NDF: 84.9/83

- sign -193.441+/-344.056 χ^2/NDF: 47.2/42

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1862.353+/-0.494 χ^2/NDF: 676259.6/16

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

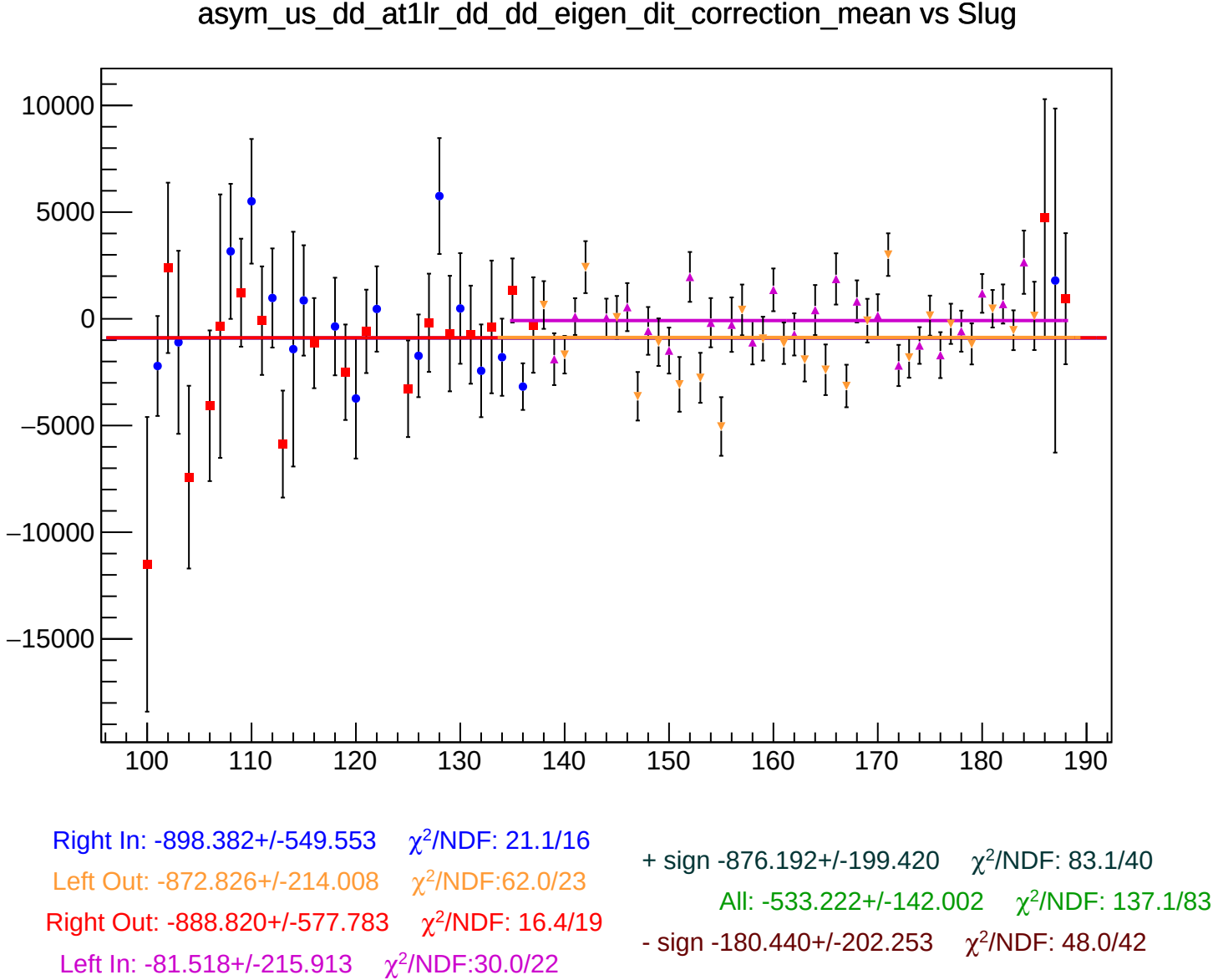
Right Out: 1891.846+/-0.461 χ^2/NDF: 271573.3/19

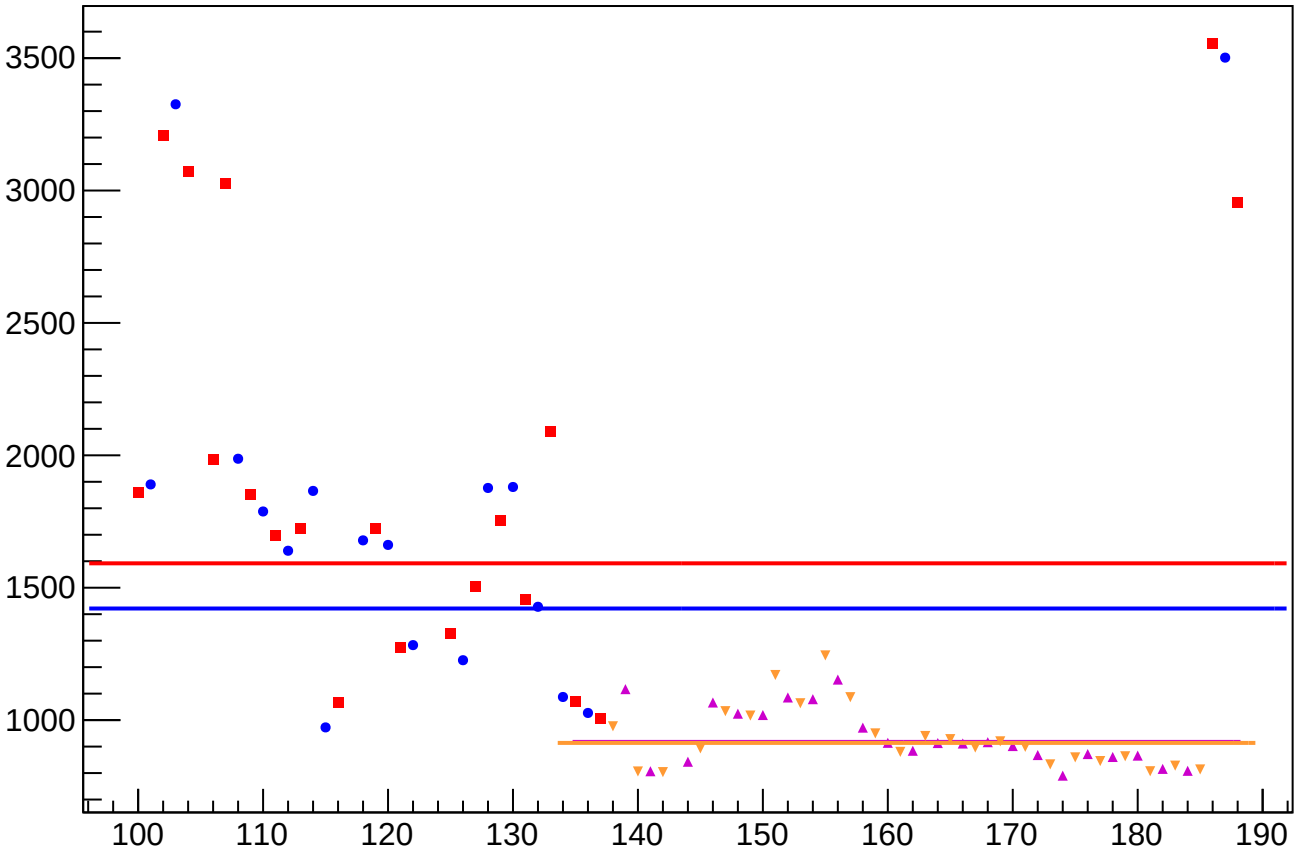
Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1764.676+/-0.246 χ^2/NDF: 729084.7/40

All: 1771.596+/-0.173 χ^2/NDF: 1088369.7/83

- sign 1778.337+/-0.243 χ^2/NDF: 357729.0/42


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -898.382+/-549.553 χ²/NDF: 21.1/16
Left Out: -872.826+/-214.008 χ²/NDF:62.0/23
Right Out: -888.820+/-577.783 χ²/NDF: 16.4/19
Left In: -81.518+/-215.913 χ²/NDF:30.0/22
+ sign -876.192+/-199.420 χ²/NDF: 83.1/40
All: -533.222+/-142.002 χ²/NDF: 137.1/83
- sign -180.440+/-202.253 χ²/NDF: 48.0/42



Right In: 1421.458+/-0.389 χ^2/NDF: 1311574.1/16

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1592.085+/-0.409 χ^2/NDF: 2033603.1/19

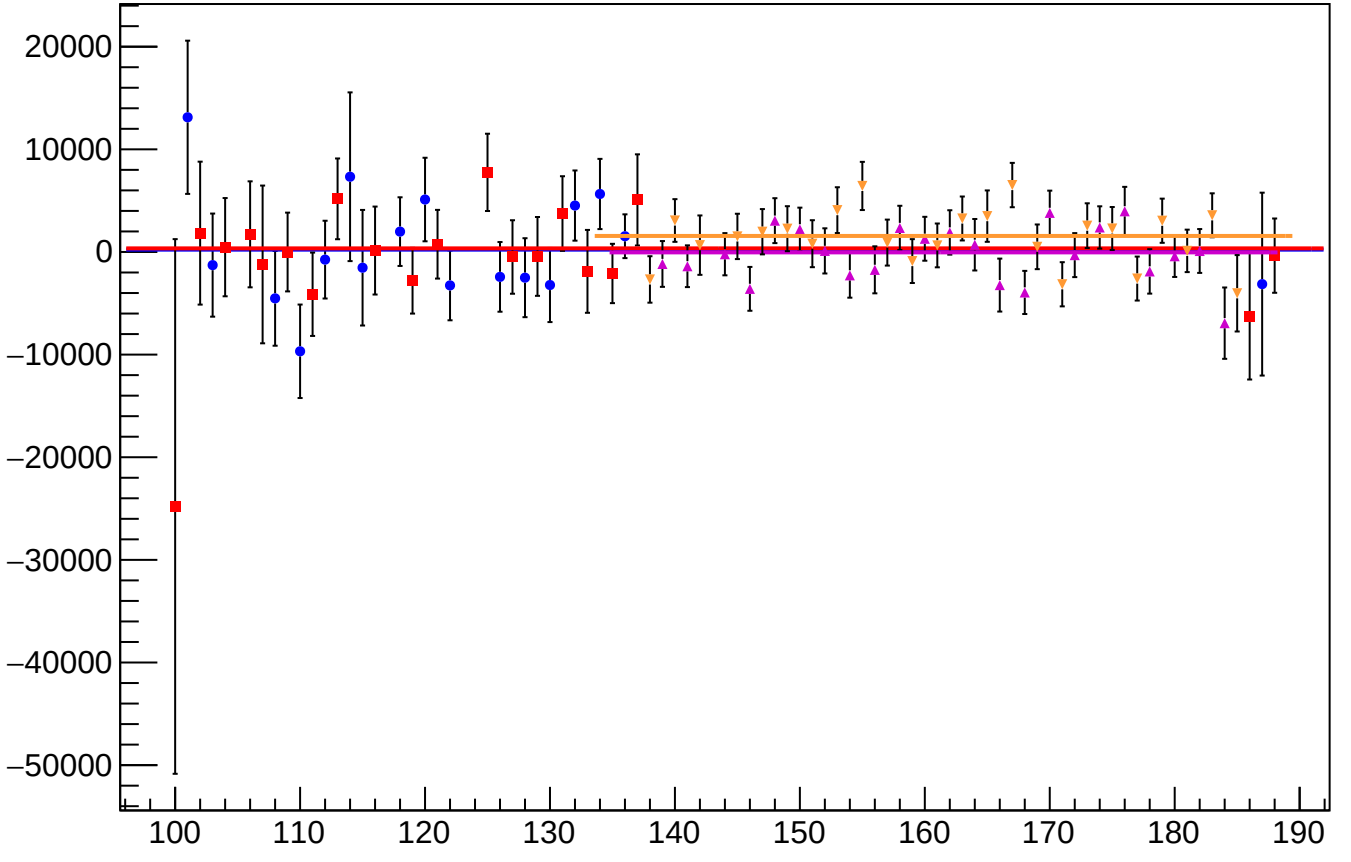
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

\+ sign 980.734+/-0.141 χ^2/NDF: 3255807.6/40

All: 990.385+/-0.100 χ^2/NDF: 8120426.1/83

\- sign 1000.312+/-0.143 χ^2/NDF: 4855115.5/42

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 226.839+/-936.759 χ^2/NDF: 19.2/16

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 349.855+/-920.151 χ^2/NDF: 13.0/19

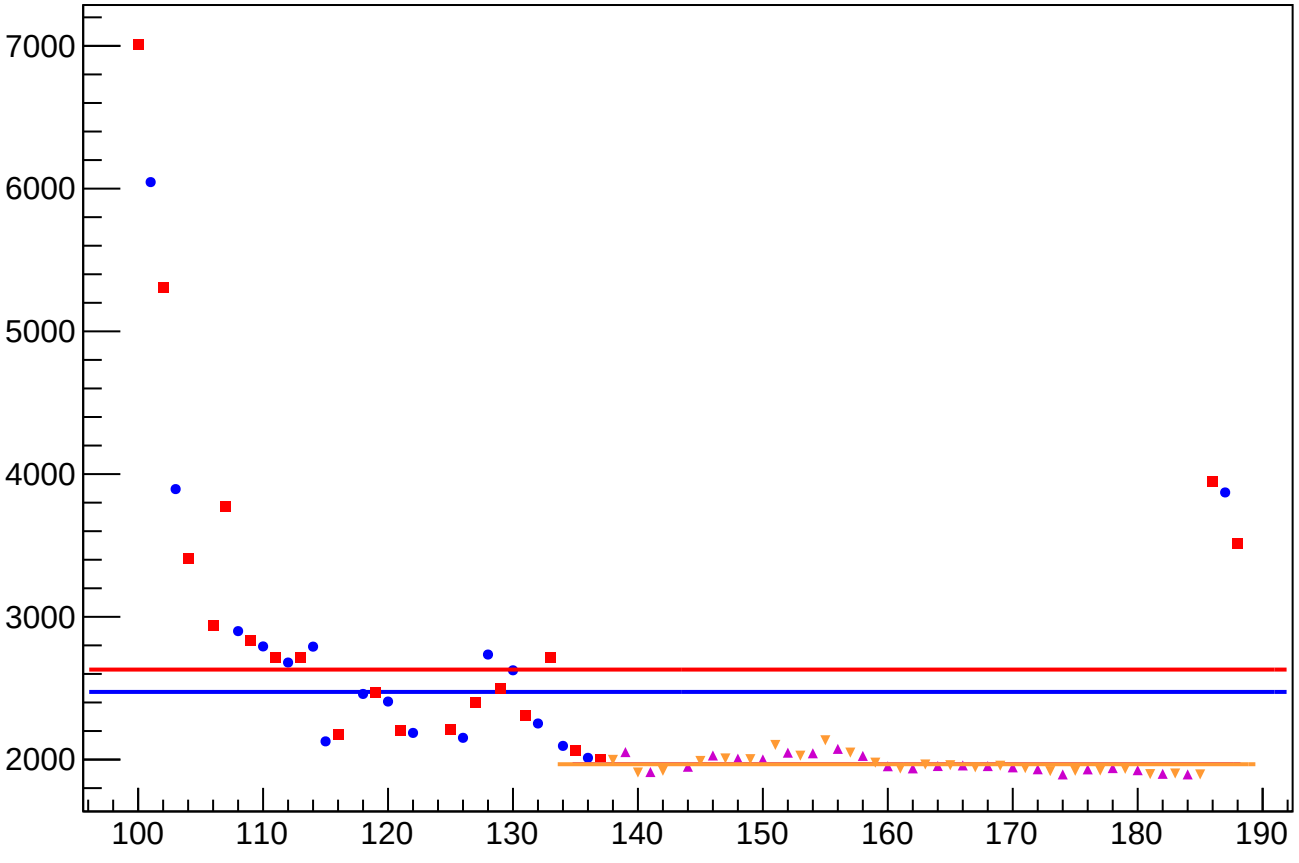
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1304.908+/-410.644 χ^2/NDF: 52.1/40

All: 672.640+/-290.638 χ^2/NDF: 97.7/83

- sign 38.026+/-411.405 χ^2/NDF: 40.9/42

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2473.952+/-0.662 χ^2/NDF: 882641.7/16

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

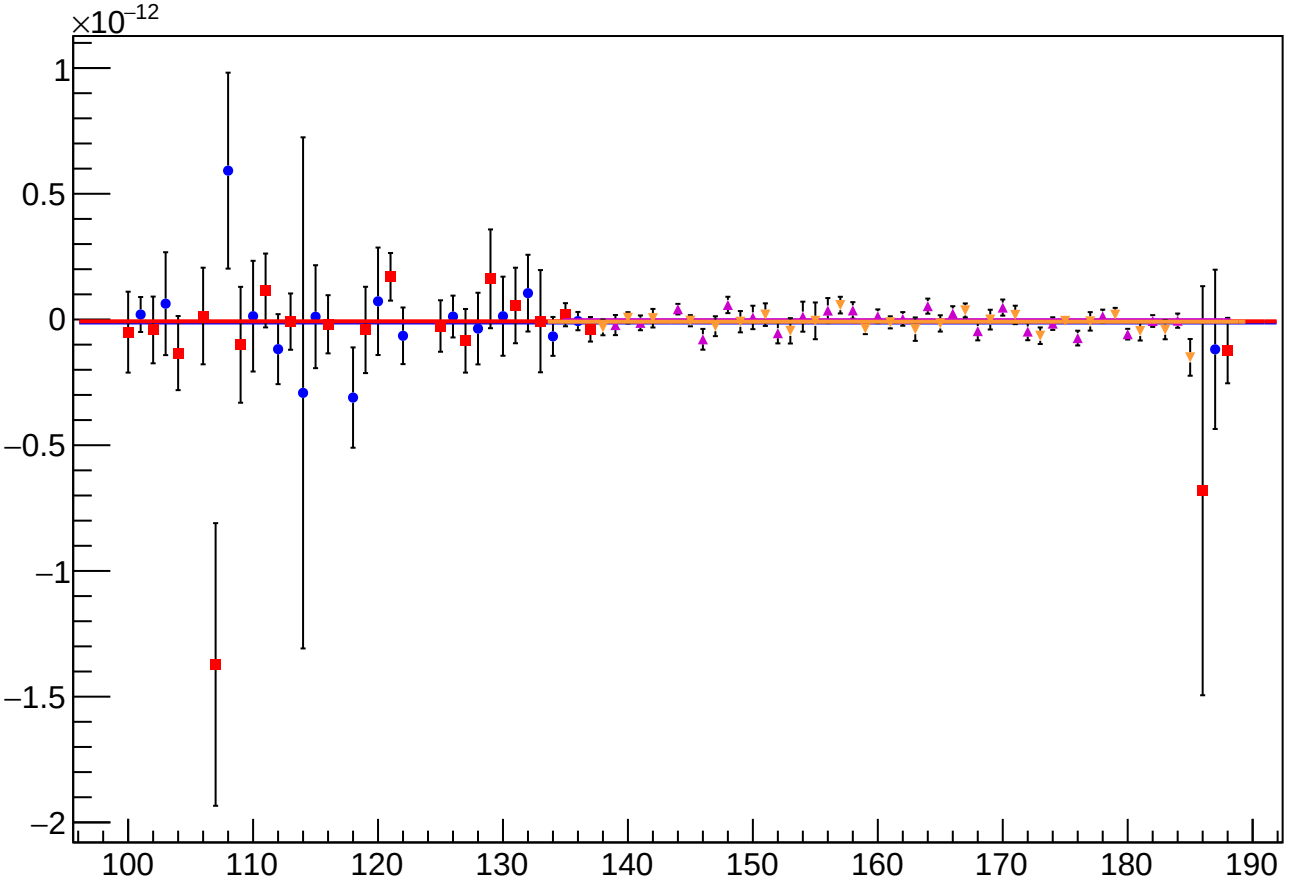
Right Out: 2630.477+/-0.651 χ^2/NDF: 903244.6/19

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2064.755+/-0.290 χ^2/NDF: 1389268.9/40

All: 2082.969+/-0.206 χ^2/NDF: 3153828.2/83

- sign 2101.251+/-0.291 χ^2/NDF: 1756675.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 7.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

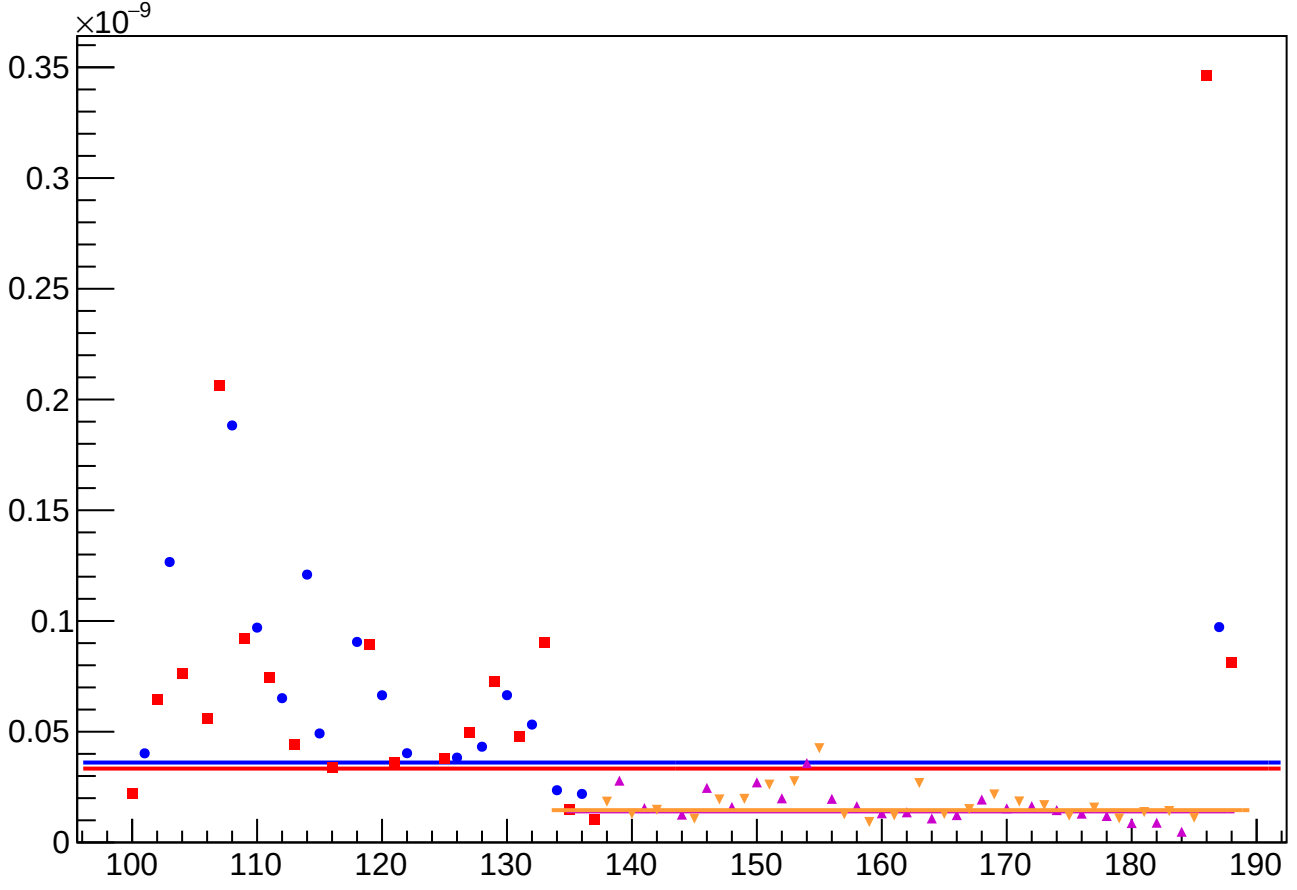
Right Out: -0.000+/-0.000 χ^2/NDF: 14.7/19

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.2/40

All: -0.000+/-0.000 χ^2/NDF: 82.4/83

- sign -0.000+/-0.000 χ^2/NDF: 53.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 1695225.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

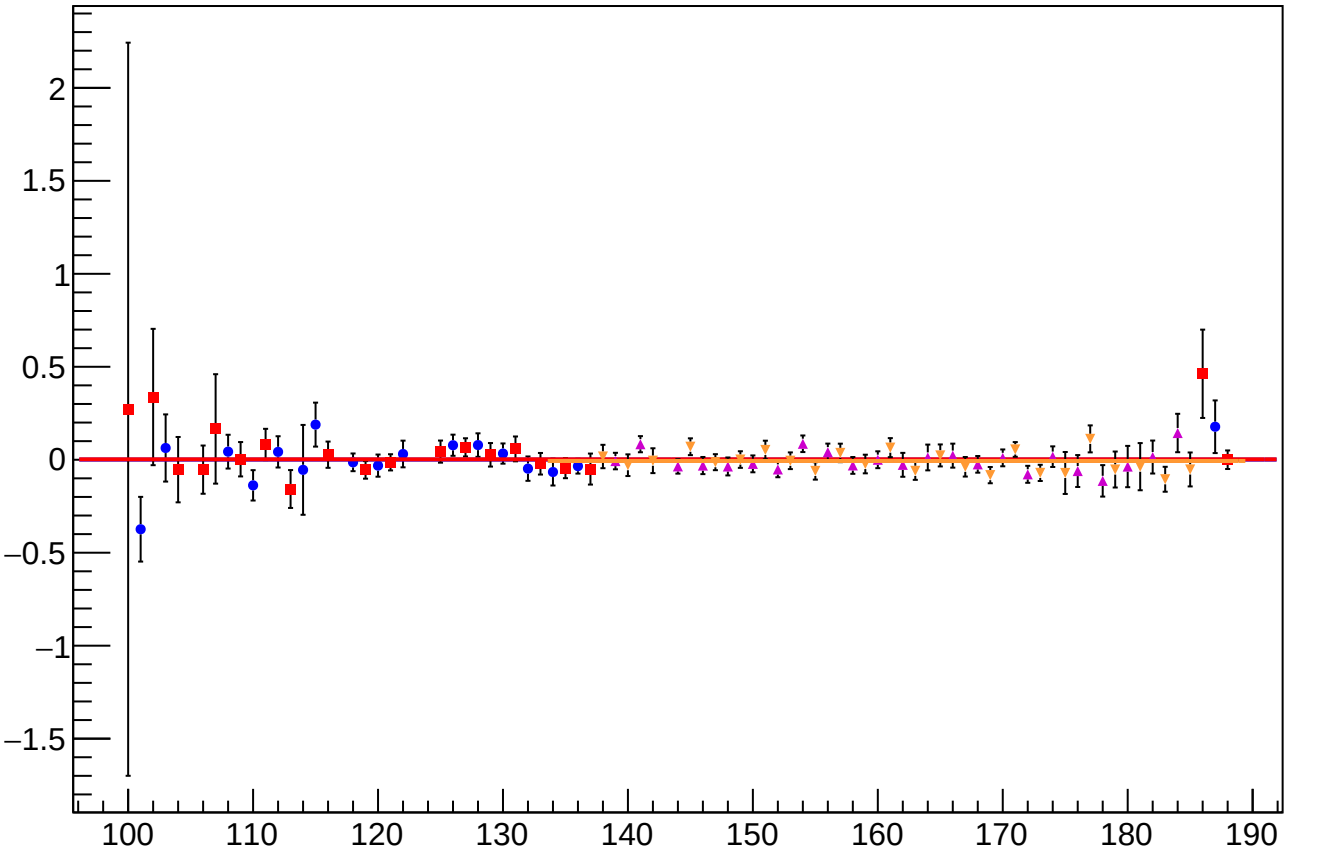
Right Out: 0.000+/-0.000 χ^2/NDF: 2647881.8/19

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4318188.6/40

All: 0.000+/-0.000 χ^2/NDF: 9627533.4/83

- sign 0.000+/-0.000 χ^2/NDF: 5296668.5/42



Right In: 0.001+/-0.017 χ^2/NDF: 18.7/16

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

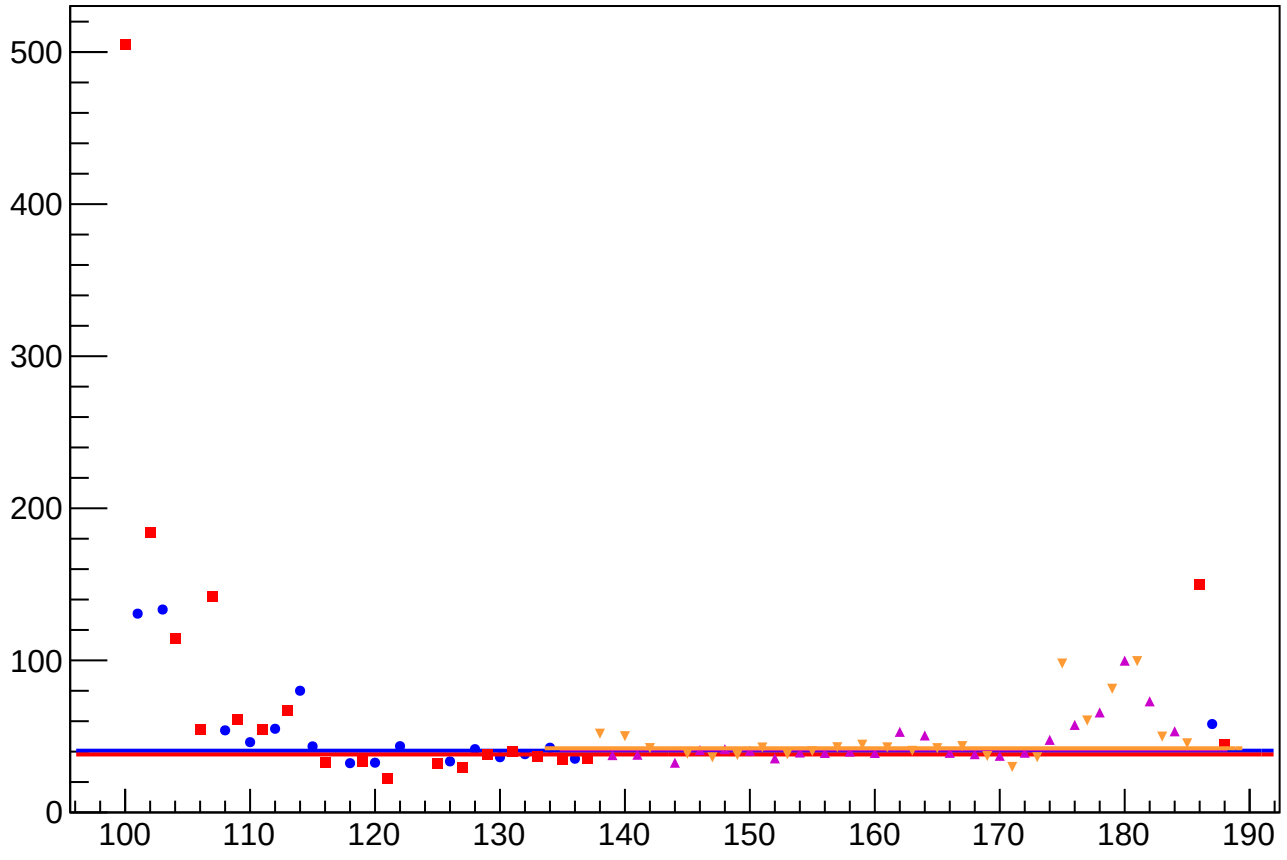
Right Out: 0.002+/-0.016 χ^2/NDF: 14.7/19

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.004+/-0.009 χ^2/NDF: 42.8/40

All: -0.004+/-0.006 χ^2/NDF: 77.7/83

- sign -0.004+/-0.009 χ^2/NDF: 34.9/42



Right In: 40.607+/-0.012 χ^2/NDF: 1441253.0/16

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

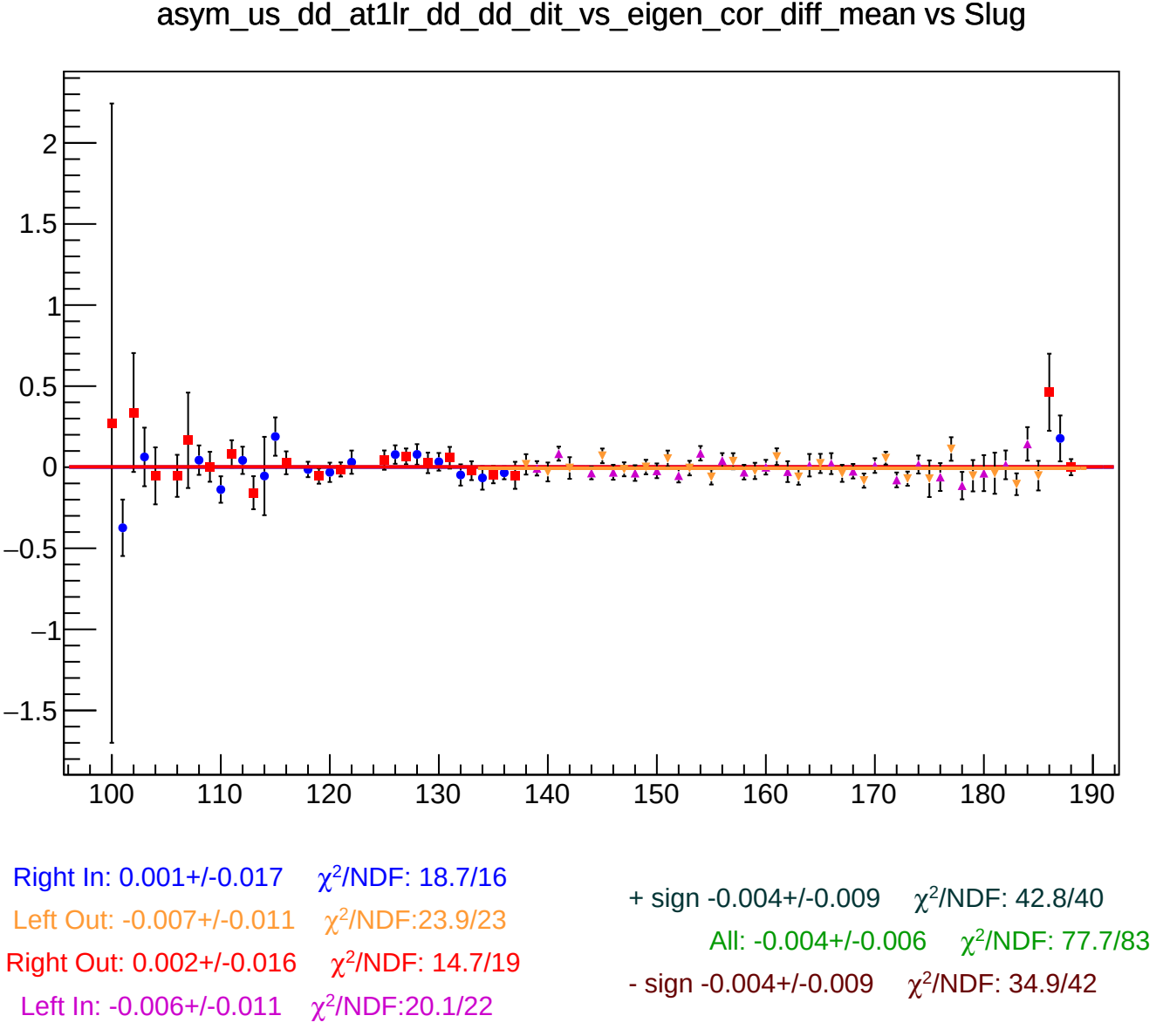
Right Out: 38.127+/-0.011 χ^2/NDF: 2329962.4/19

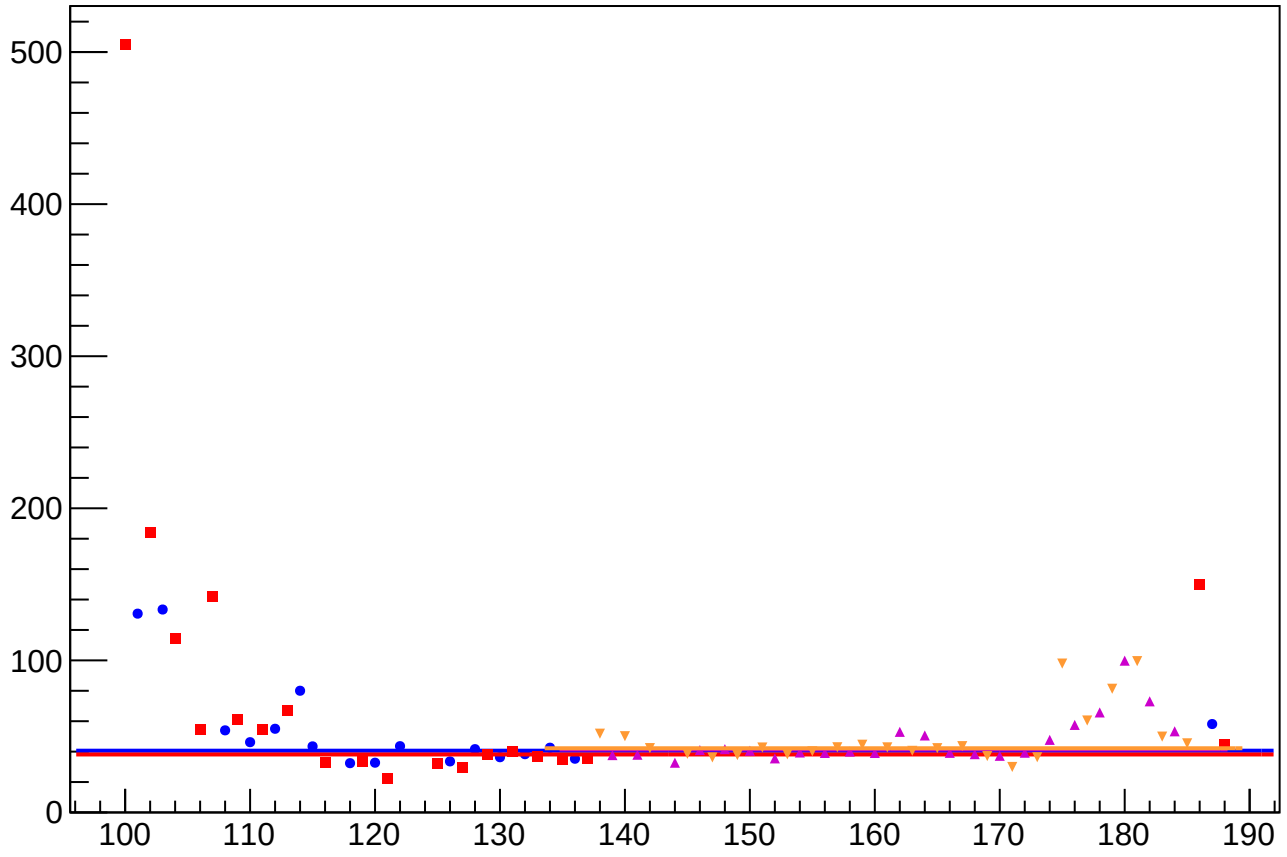
Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

\+ sign 41.739+/-0.006 χ^2/NDF: 3273228.6/40

All: 41.035+/-0.005 χ^2/NDF: 7097679.2/83

\- sign 40.377+/-0.006 χ^2/NDF: 3801717.6/42


asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.017 χ²/NDF: 18.7/16
Left Out: -0.007+/-0.011 χ²/NDF:23.9/23
Right Out: 0.002+/-0.016 χ²/NDF: 14.7/19
Left In: -0.006+/-0.011 χ²/NDF:20.1/22
+ sign -0.004+/-0.009 χ²/NDF: 42.8/40
All: -0.004+/-0.006 χ²/NDF: 77.7/83
- sign -0.004+/-0.009 χ²/NDF: 34.9/42



Right In: 40.607+/-0.012 χ^2/NDF: 1441253.0/16

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

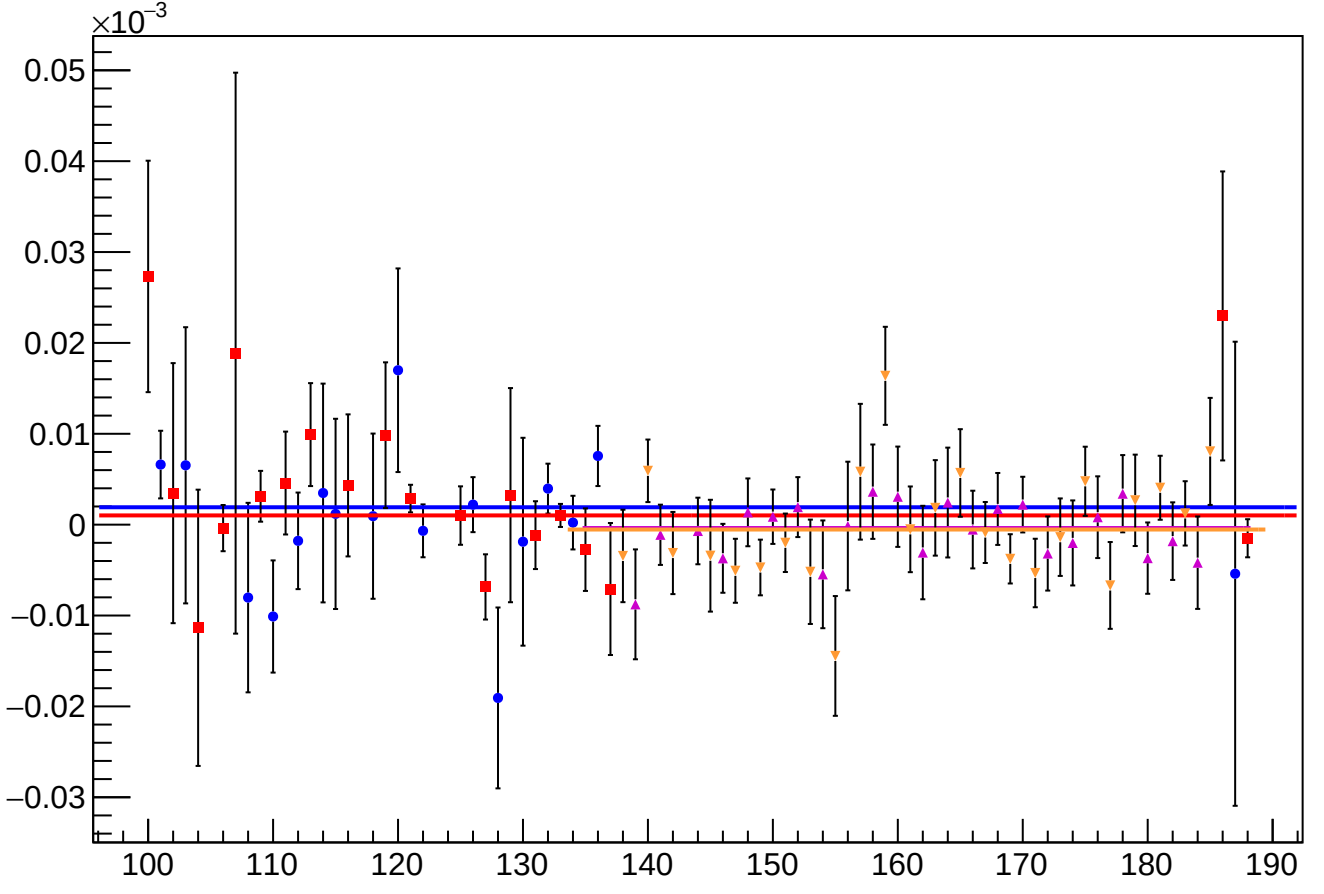
Right Out: 38.127+/-0.011 χ^2/NDF: 2329962.4/19

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

\+ sign 41.739+/-0.006 χ^2/NDF: 3273228.6/40

All: 41.035+/-0.005 χ^2/NDF: 7097679.2/83

\- sign 40.377+/-0.006 χ^2/NDF: 3801717.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

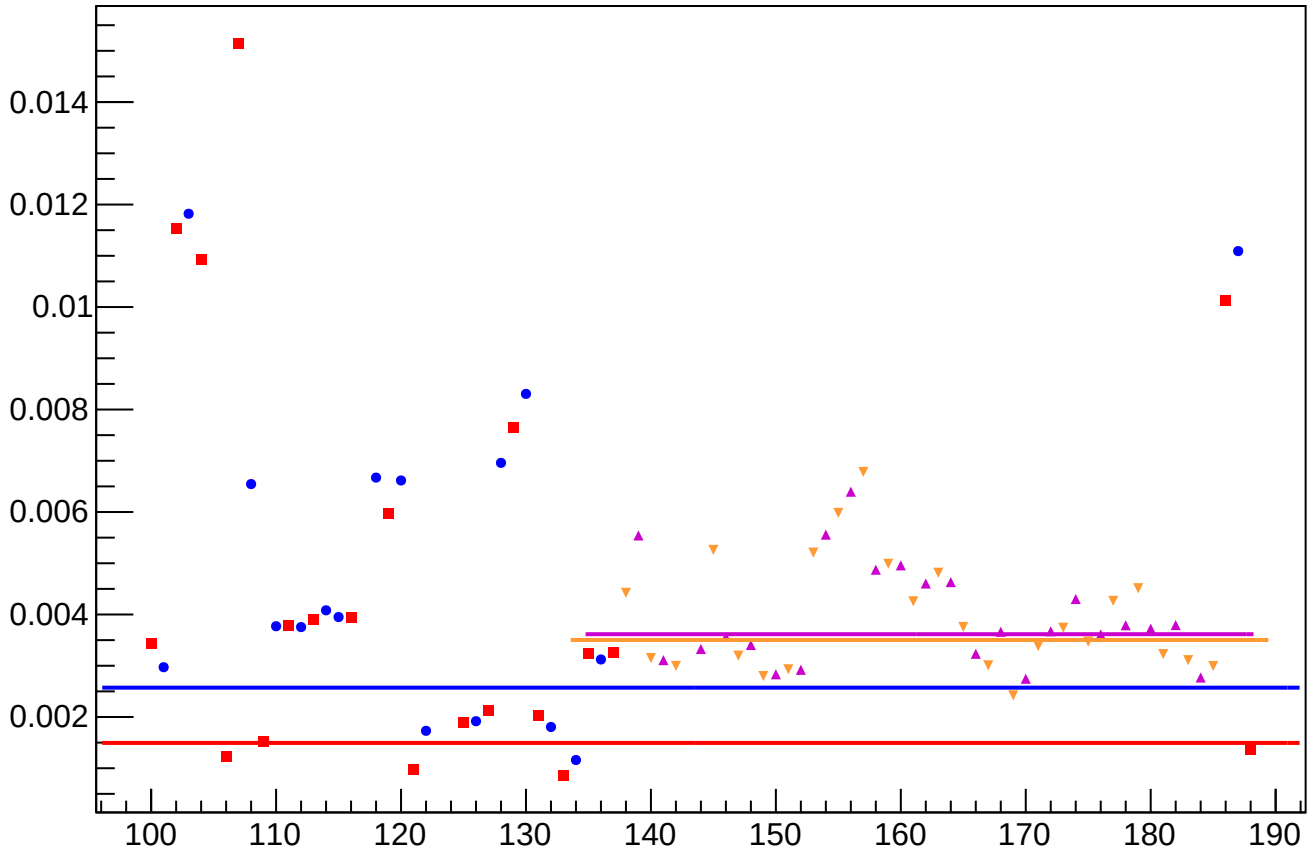
Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/19

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.8/40

All: 0.000+/-0.000 χ^2/NDF: 91.4/83

- sign 0.000+/-0.000 χ^2/NDF: 33.6/42



Right In: 0.003+/-0.000 χ^2/NDF: 4005405.1/16

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

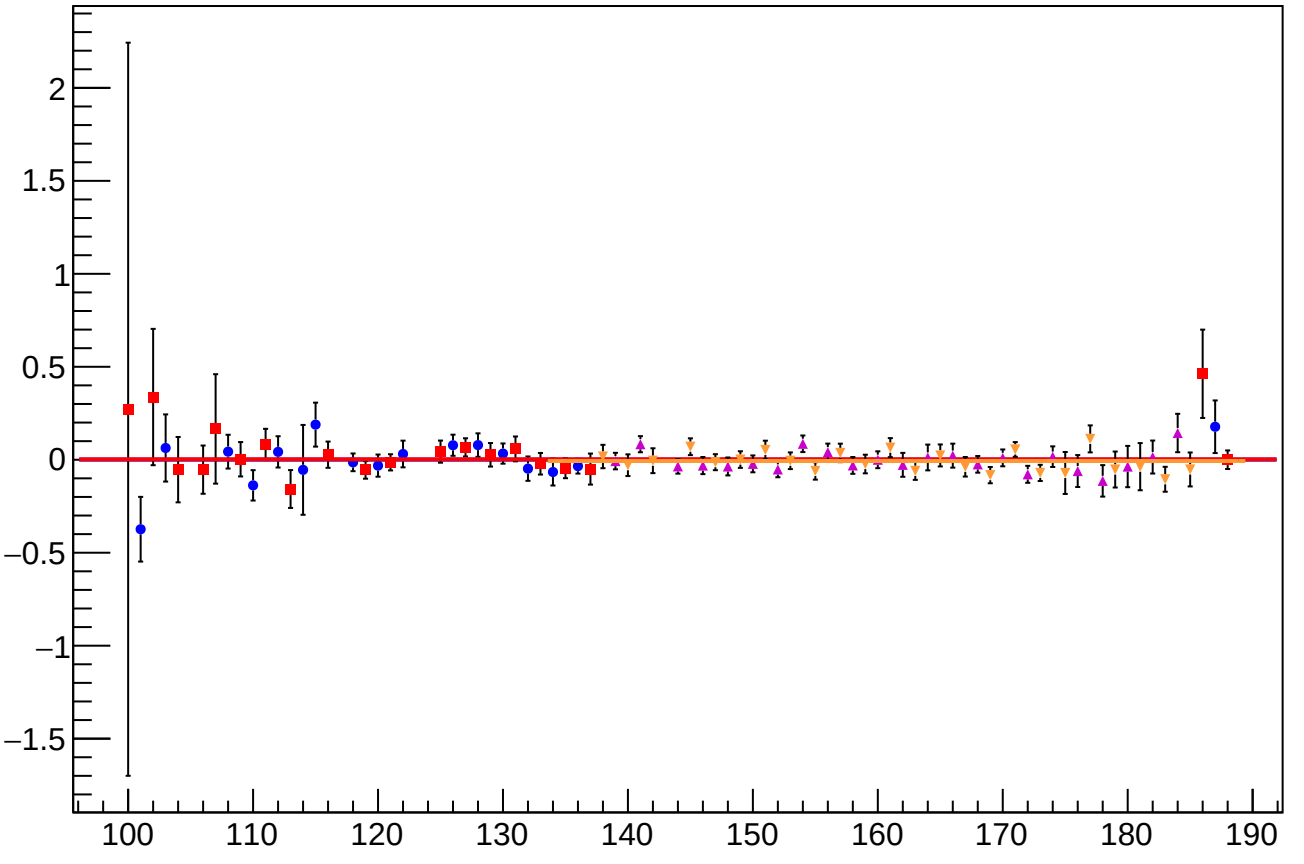
Right Out: 0.001+/-0.000 χ^2/NDF: 6160986.5/19

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 7056351.4/40

All: 0.003+/-0.000 χ^2/NDF: 23875415.2/83

- sign 0.002+/-0.000 χ^2/NDF: 14974081.5/42



Right In: 0.001+/-0.017 χ^2/NDF: 18.7/16

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

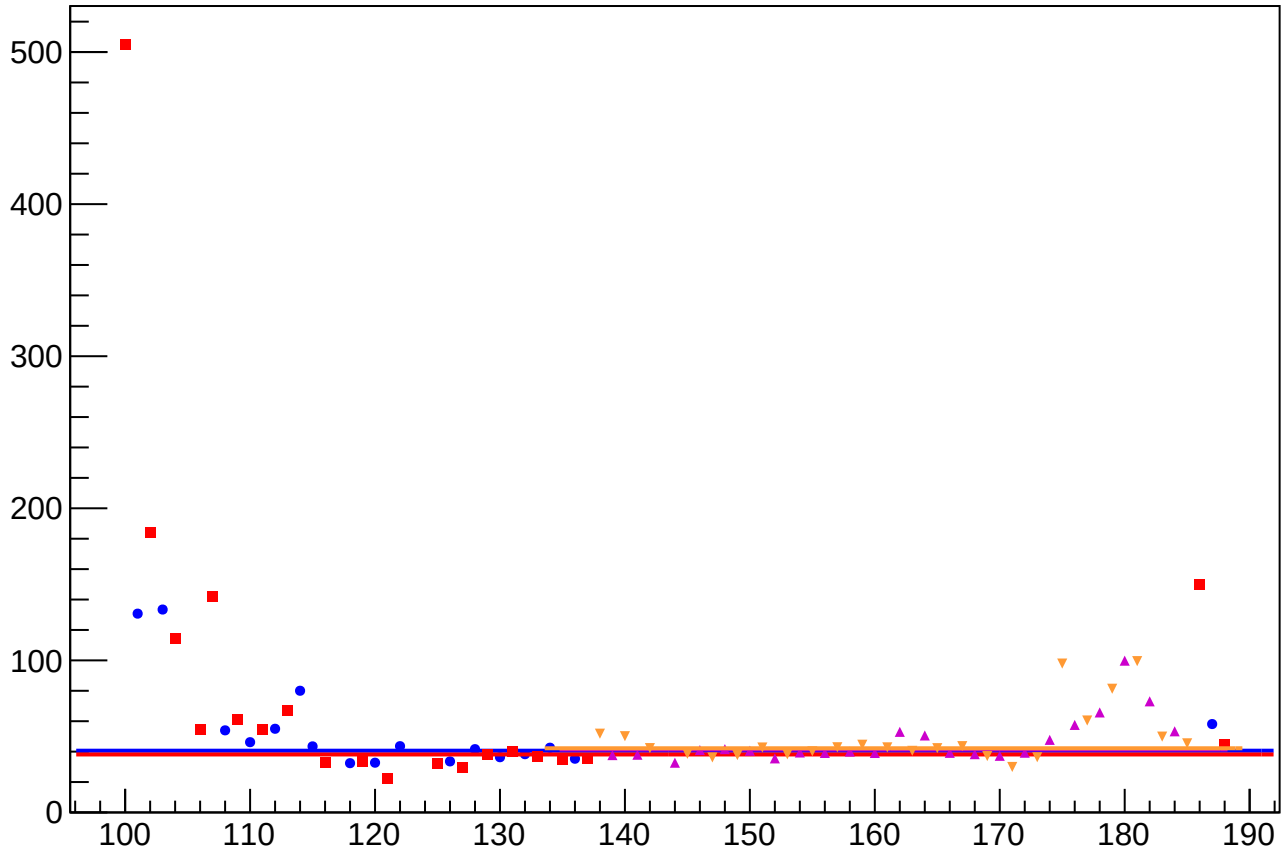
Right Out: 0.002+/-0.016 χ^2/NDF: 14.7/19

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.004+/-0.009 χ^2/NDF: 42.8/40

All: -0.004+/-0.006 χ^2/NDF: 77.7/83

- sign -0.004+/-0.009 χ^2/NDF: 34.9/42



Right In: 40.607+/-0.012 χ^2/NDF: 1441130.0/16

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

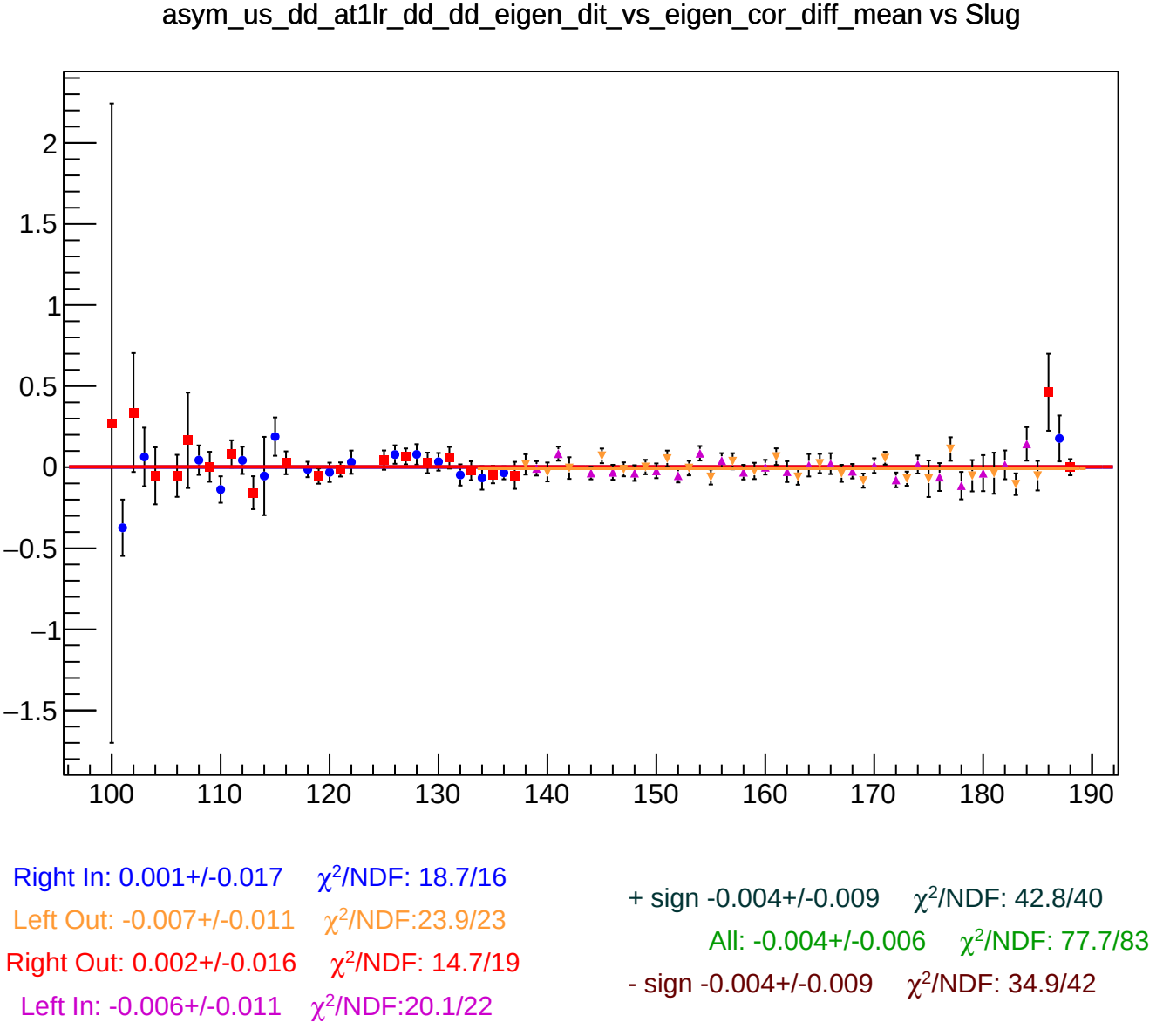
Right Out: 38.126+/-0.011 χ^2/NDF: 2329959.0/19

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

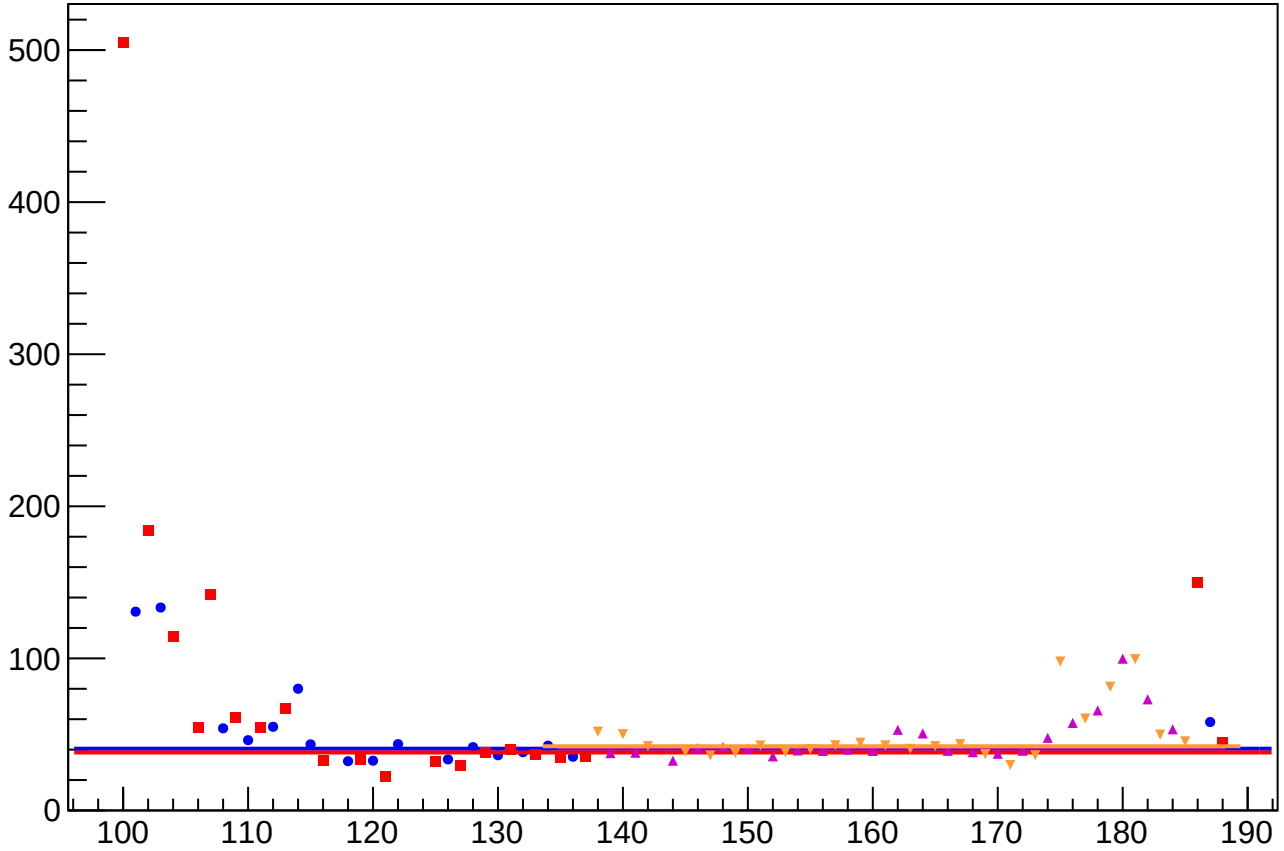
\+ sign 41.739+/-0.006 χ^2/NDF: 3273100.3/40

All: 41.035+/-0.005 χ^2/NDF: 7097525.7/83

\- sign 40.376+/-0.006 χ^2/NDF: 3801680.0/42


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.017 χ²/NDF: 18.7/16
Left Out: -0.007+/-0.011 χ²/NDF:23.9/23
Right Out: 0.002+/-0.016 χ²/NDF: 14.7/19
Left In: -0.006+/-0.011 χ²/NDF:20.1/22
+ sign -0.004+/-0.009 χ²/NDF: 42.8/40
All: -0.004+/-0.006 χ²/NDF: 77.7/83
- sign -0.004+/-0.009 χ²/NDF: 34.9/42

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.607+/-0.012 χ^2/NDF: 1441130.0/16

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

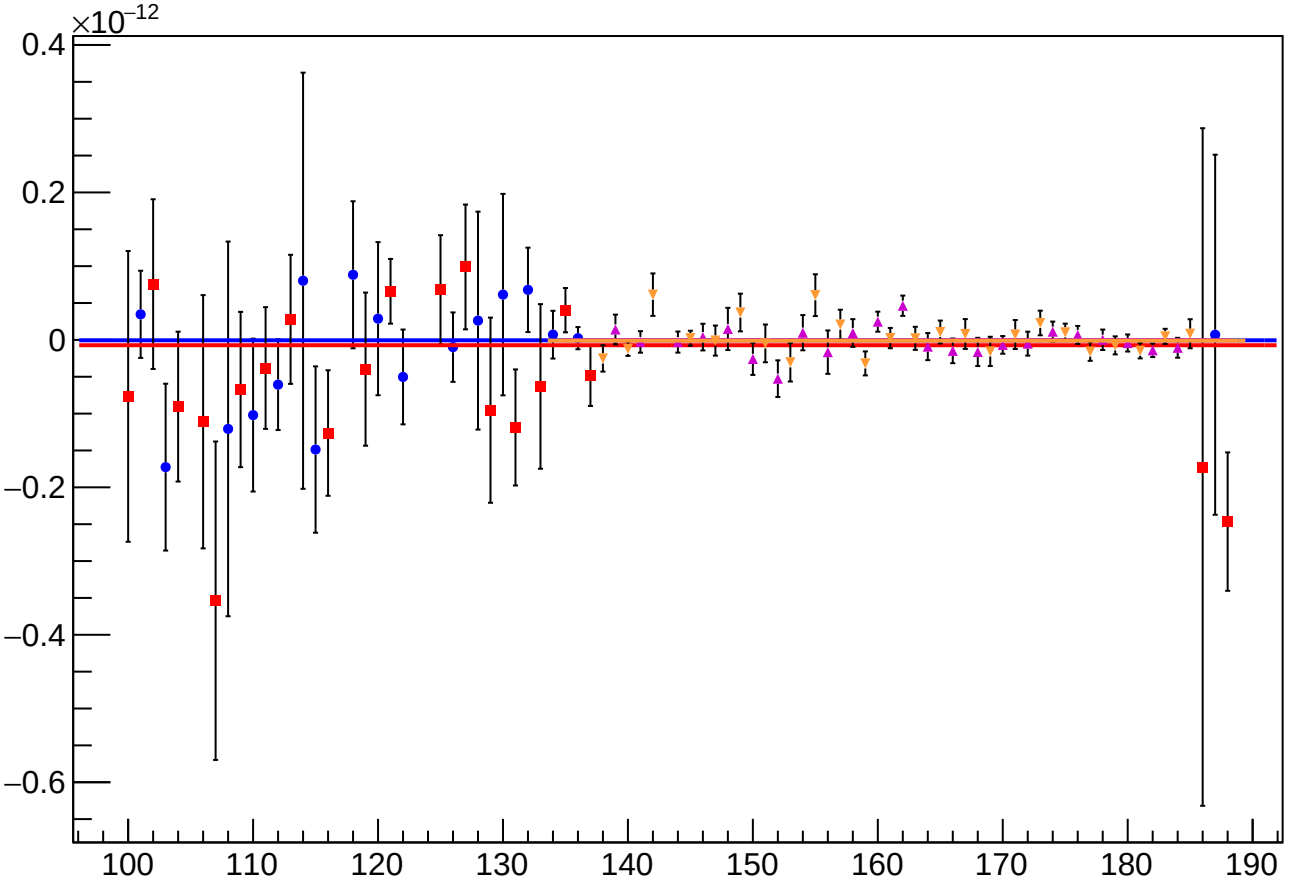
Right Out: 38.126+/-0.011 χ^2/NDF: 2329959.0/19

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.739+/-0.006 χ^2/NDF: 3273100.3/40

All: 41.035+/-0.005 χ^2/NDF: 7097525.7/83

- sign 40.376+/-0.006 χ^2/NDF: 3801680.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

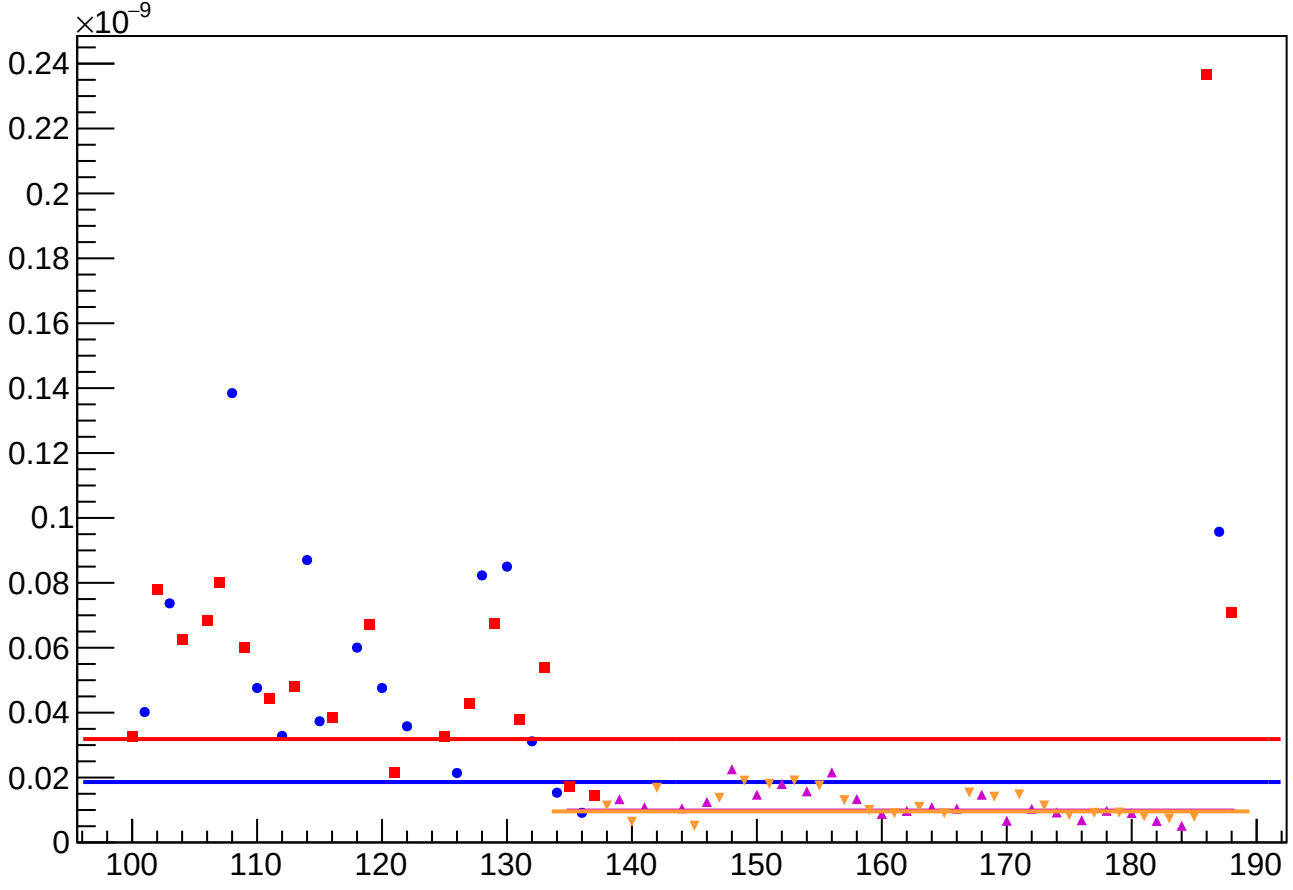
Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/19

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/40

All: -0.000+/-0.000 χ^2/NDF: 93.1/83

- sign -0.000+/-0.000 χ^2/NDF: 53.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 4222837.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

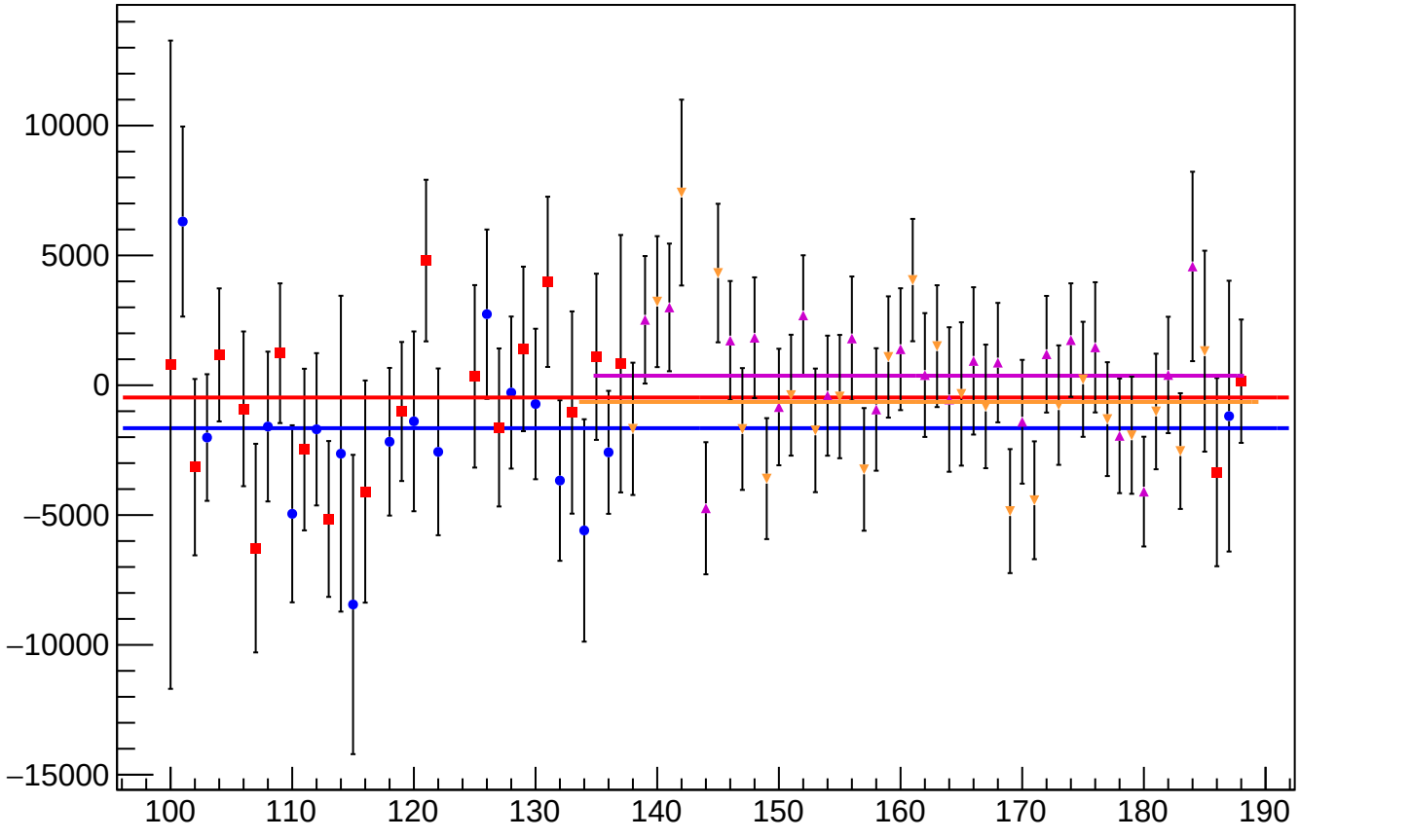
Right Out: 0.000+/-0.000 χ^2/NDF: 3146418.8/19

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7813904.9/40

All: 0.000+/-0.000 χ^2/NDF: 16795904.5/83

- sign 0.000+/-0.000 χ^2/NDF: 8958700.7/42



Right In: -1653.609+/-783.181 χ^2/NDF: 10.8/16

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -471.778+/-723.755 χ^2/NDF: 13.4/19

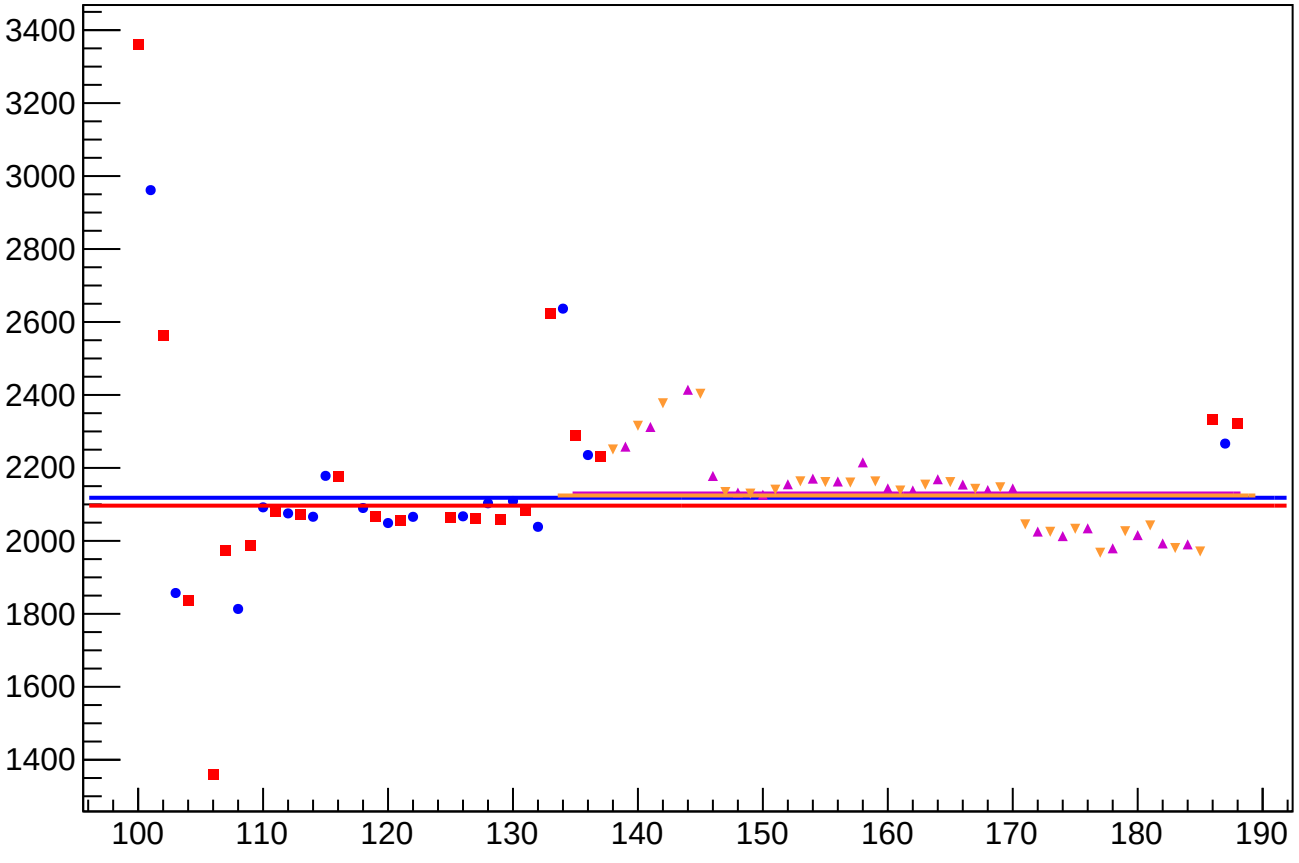
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -930.955+/-417.633 χ^2/NDF: 39.1/40

All: -407.552+/-292.649 χ^2/NDF: 73.9/83

- sign 97.395+/-410.204 χ^2/NDF: 31.7/42

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2118.181+/-0.554 χ^2/NDF: 191579.7/16

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

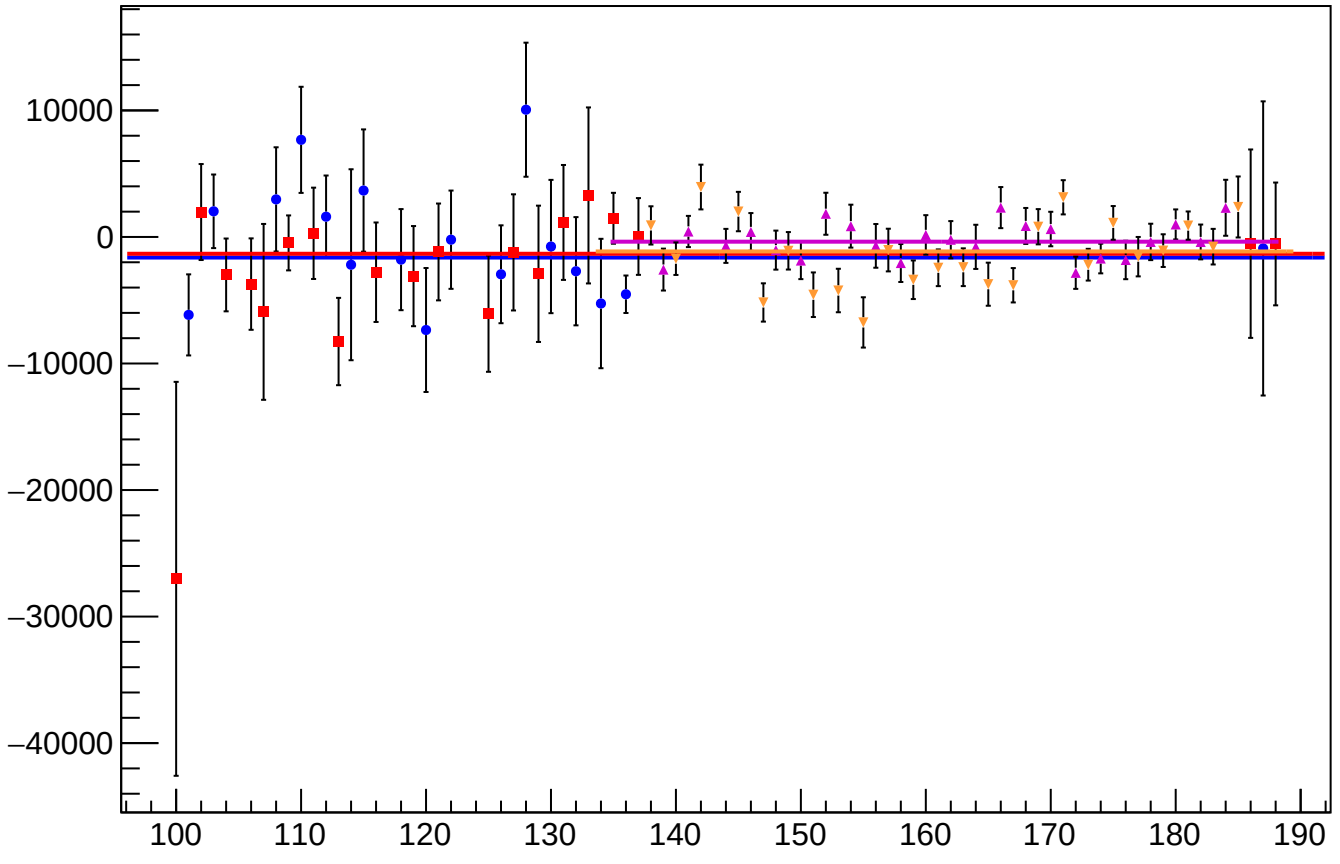
Right Out: 2096.586+/-0.512 χ^2/NDF: 279809.3/19

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2122.658+/-0.295 χ^2/NDF: 280855.0/40

All: 2120.896+/-0.207 χ^2/NDF: 648964.4/83

- sign 2119.196+/-0.290 χ^2/NDF: 368039.4/42



Right In: -1626.512+/-860.053 χ^2/NDF: 22.9/16

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: -1328.383+/-823.011 χ^2/NDF: 13.5/19

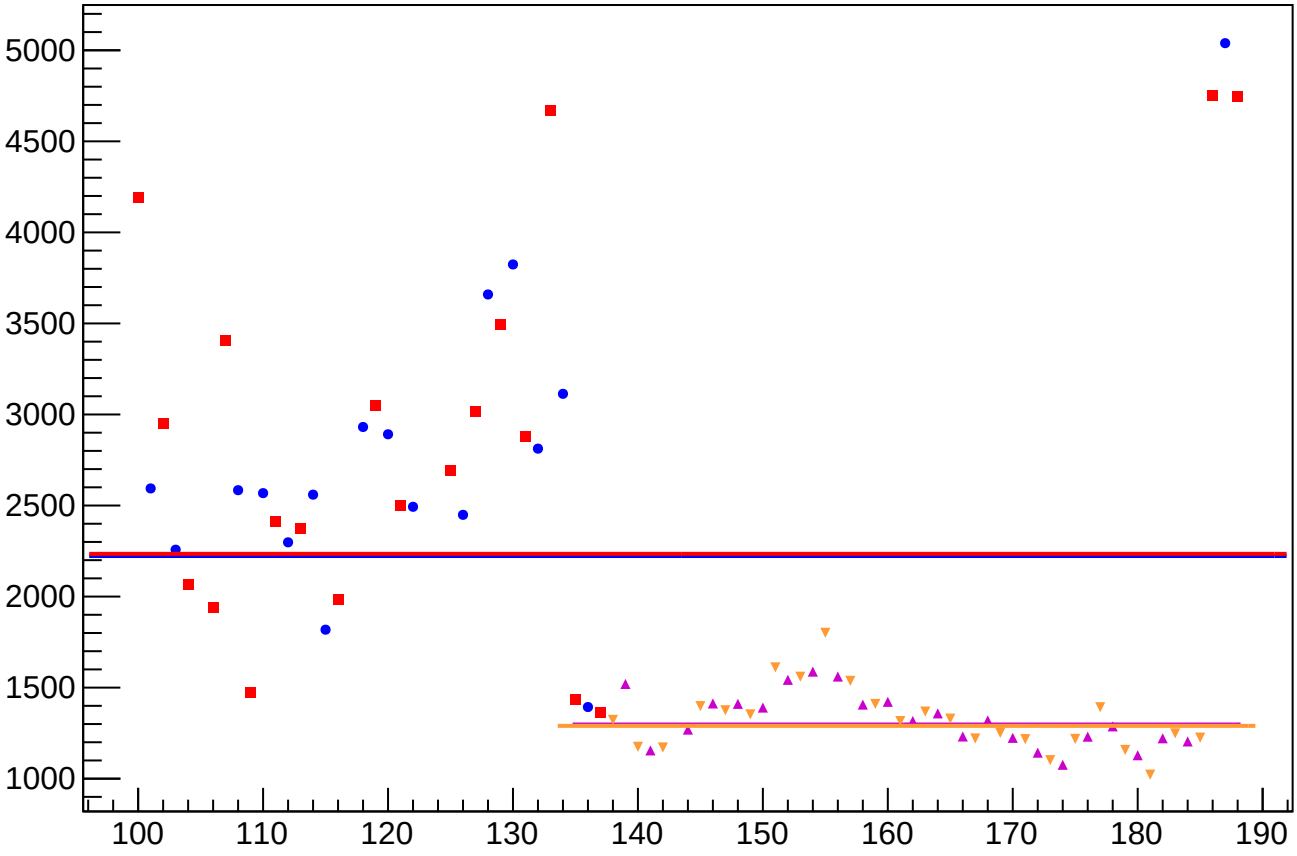
Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1197.843+/-285.354 χ^2/NDF: 90.6/40

All: -844.542+/-202.111 χ^2/NDF: 128.7/83

- sign -488.883+/-286.304 χ^2/NDF: 35.0/42

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2222.758+/-0.608 χ^2/NDF: 1367329.1/16

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

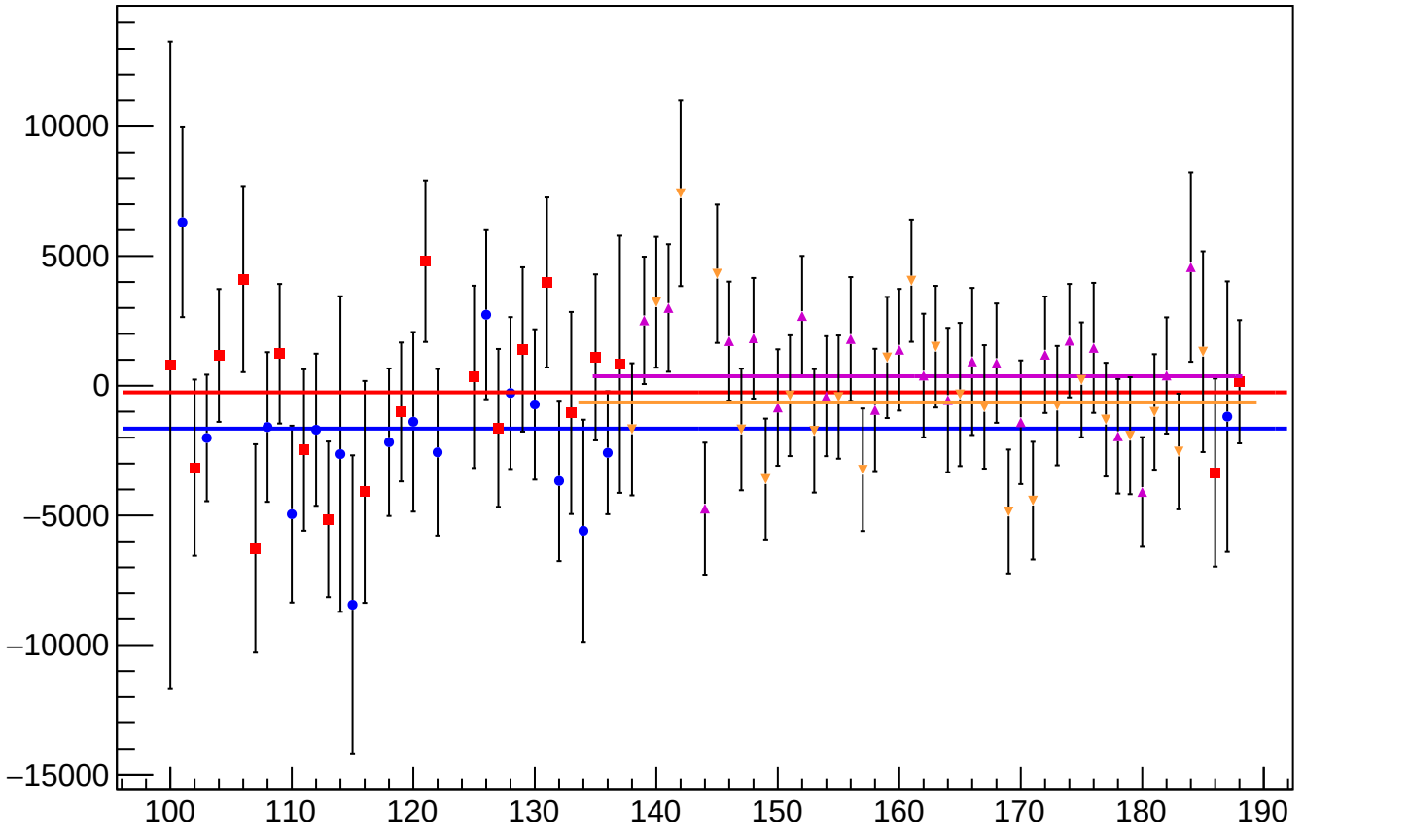
Right Out: 2234.619+/-0.582 χ^2/NDF: 2254757.4/19

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1392.706+/-0.202 χ^2/NDF: 4028622.5/40

All: 1401.756+/-0.143 χ^2/NDF: 9000866.3/83

- sign 1410.867+/-0.202 χ^2/NDF: 4968206.9/42



Right In: -1653.561+/-783.181 χ^2/NDF: 10.8/16

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -255.898+/-730.463 χ^2/NDF: 15.0/19

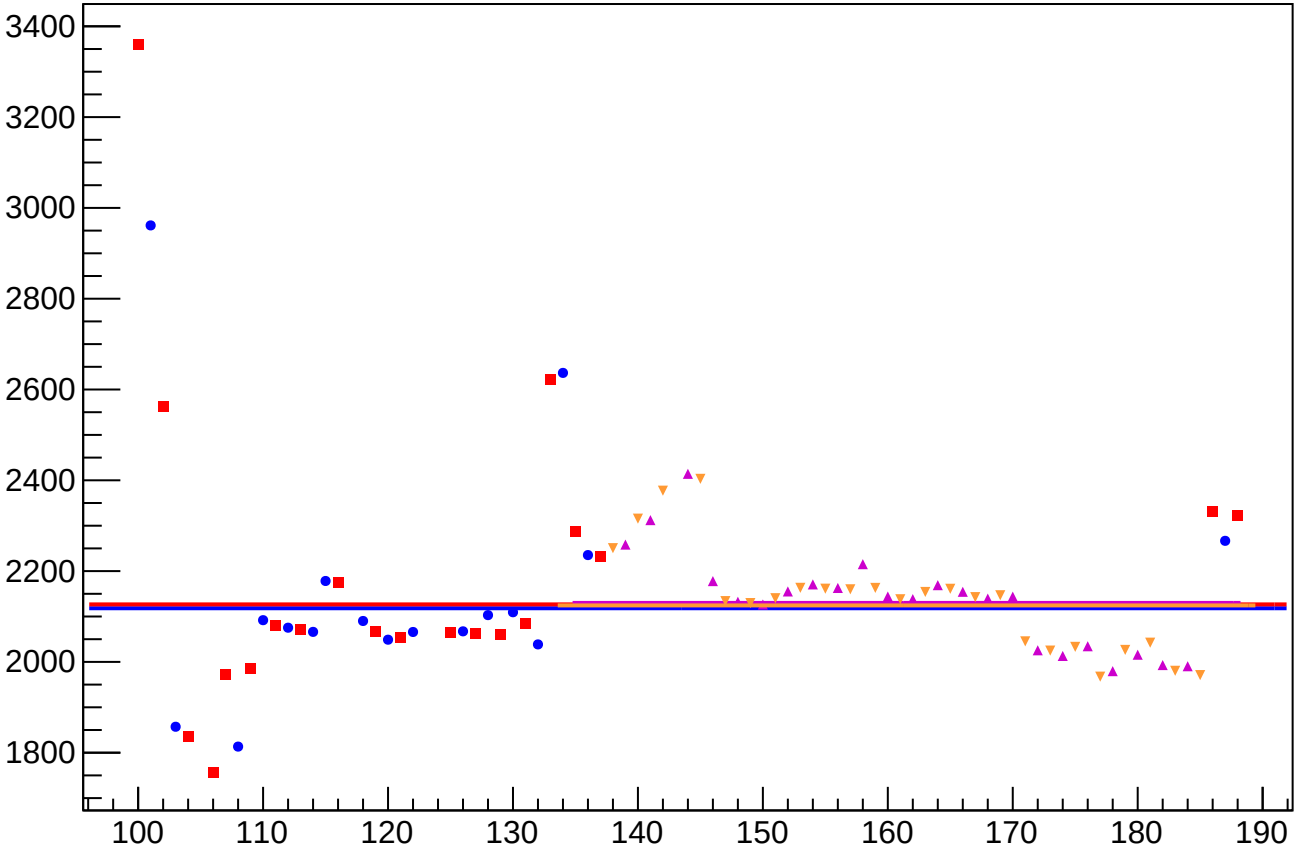
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -930.843+/-417.633 χ^2/NDF: 39.1/40

All: -372.588+/-293.088 χ^2/NDF: 75.4/83

- sign 169.164+/-411.414 χ^2/NDF: 32.8/42

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2118.181+/-0.554 χ^2/NDF: 191580.0/16

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

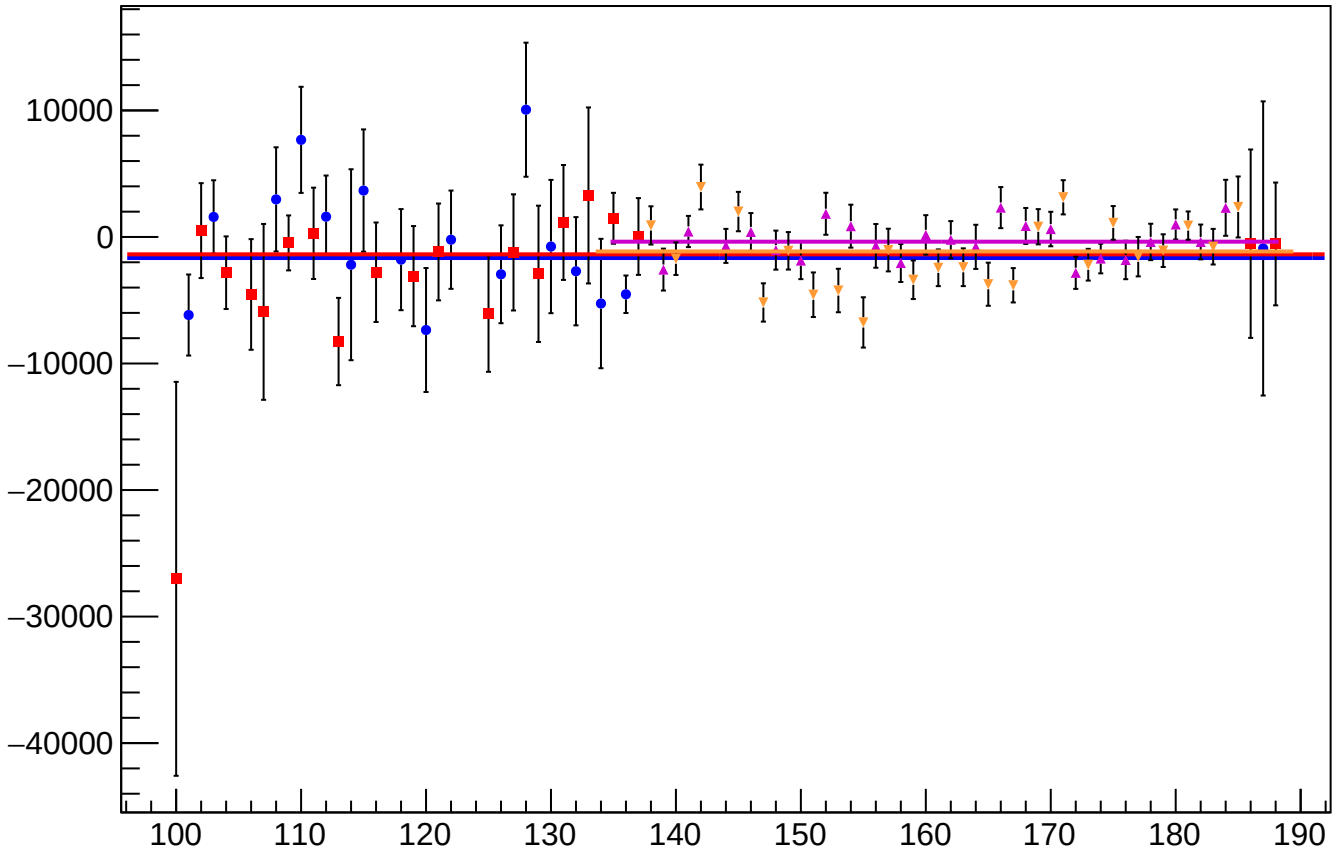
Right Out: 2126.674+/-0.517 χ^2/NDF: 172530.5/19

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2122.658+/-0.295 χ^2/NDF: 280855.3/40

All: 2125.813+/-0.207 χ^2/NDF: 538991.7/83

- sign 2128.875+/-0.291 χ^2/NDF: 257911.5/42



Right In: -1664.316+/-859.764 χ^2/NDF: 22.5/16

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

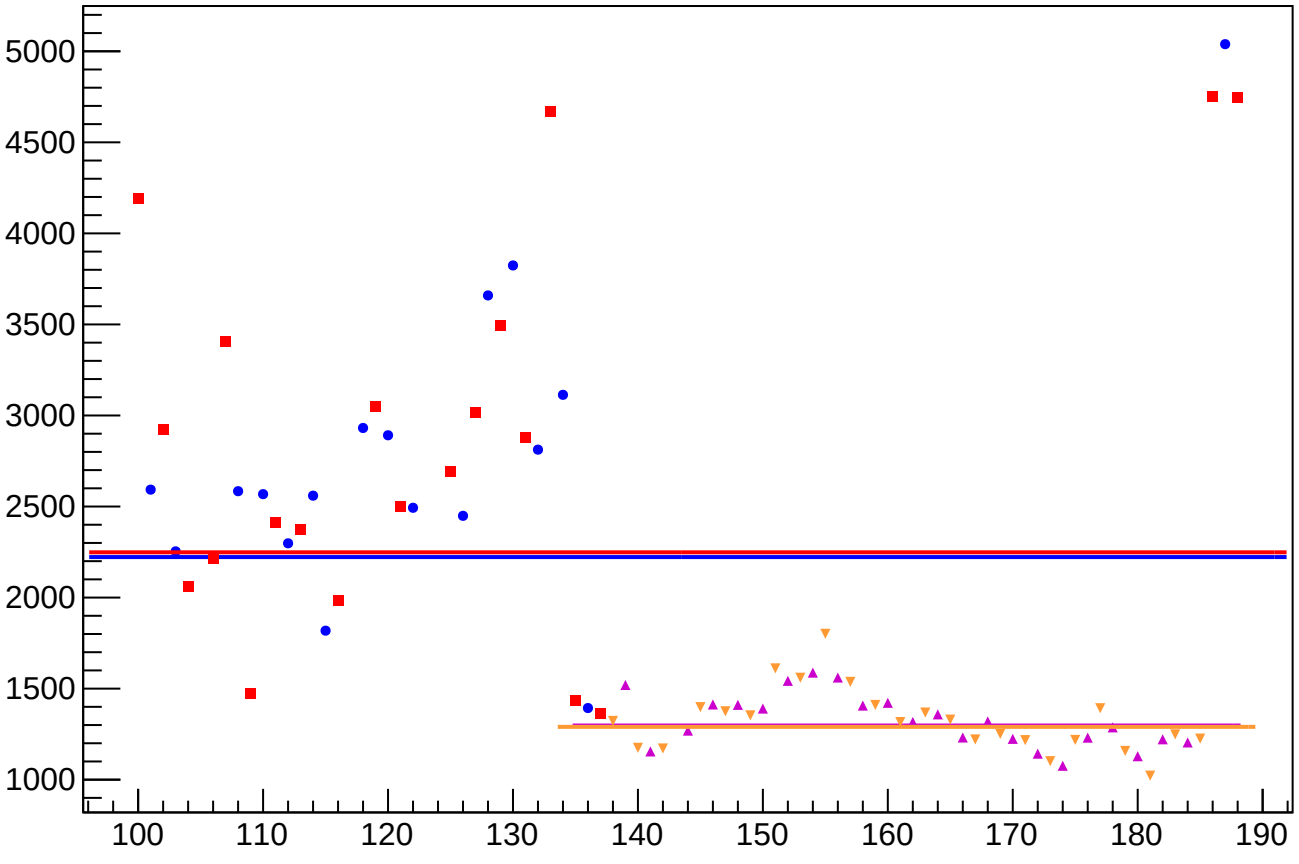
Right Out: -1372.103+/-829.255 χ^2/NDF: 13.0/19

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

\+ sign -1202.006+/-285.345 χ^2/NDF: 90.4/40

All: -848.754+/-202.199 χ^2/NDF: 128.0/83

\- sign -492.475+/-286.565 χ^2/NDF: 34.6/42



Right In: 2222.413+/-0.608 χ^2/NDF: 1367114.1/16

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

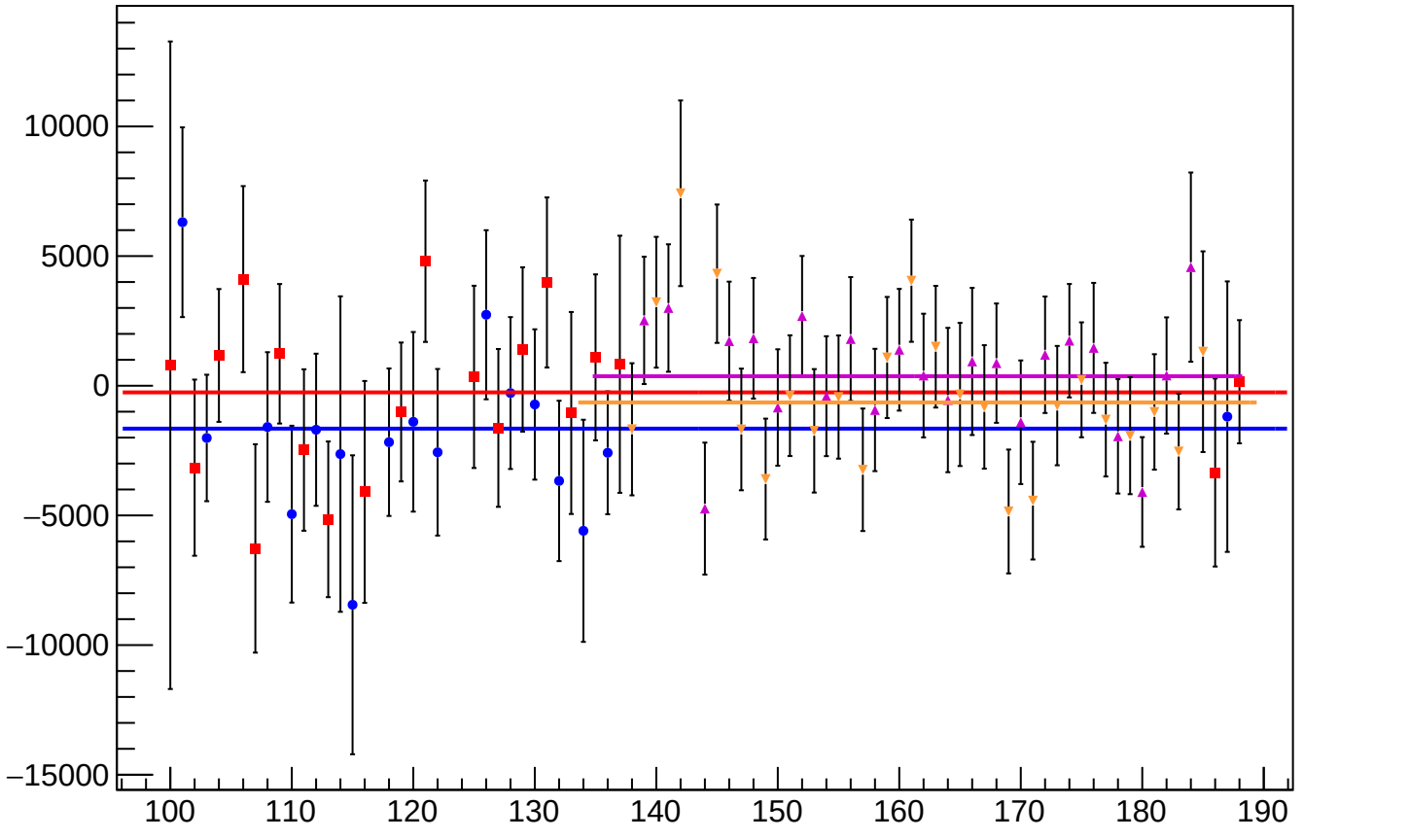
Right Out: 2248.556+/-0.586 χ^2/NDF: 2236778.6/19

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1392.741+/-0.202 χ^2/NDF: 4027990.7/40

All: 1401.849+/-0.143 χ^2/NDF: 9019595.3/83

- sign 1411.036+/-0.203 χ^2/NDF: 4987511.1/42



Right In: -1653.561+/-783.181 χ^2/NDF: 10.8/16

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -255.898+/-730.463 χ^2/NDF: 15.0/19

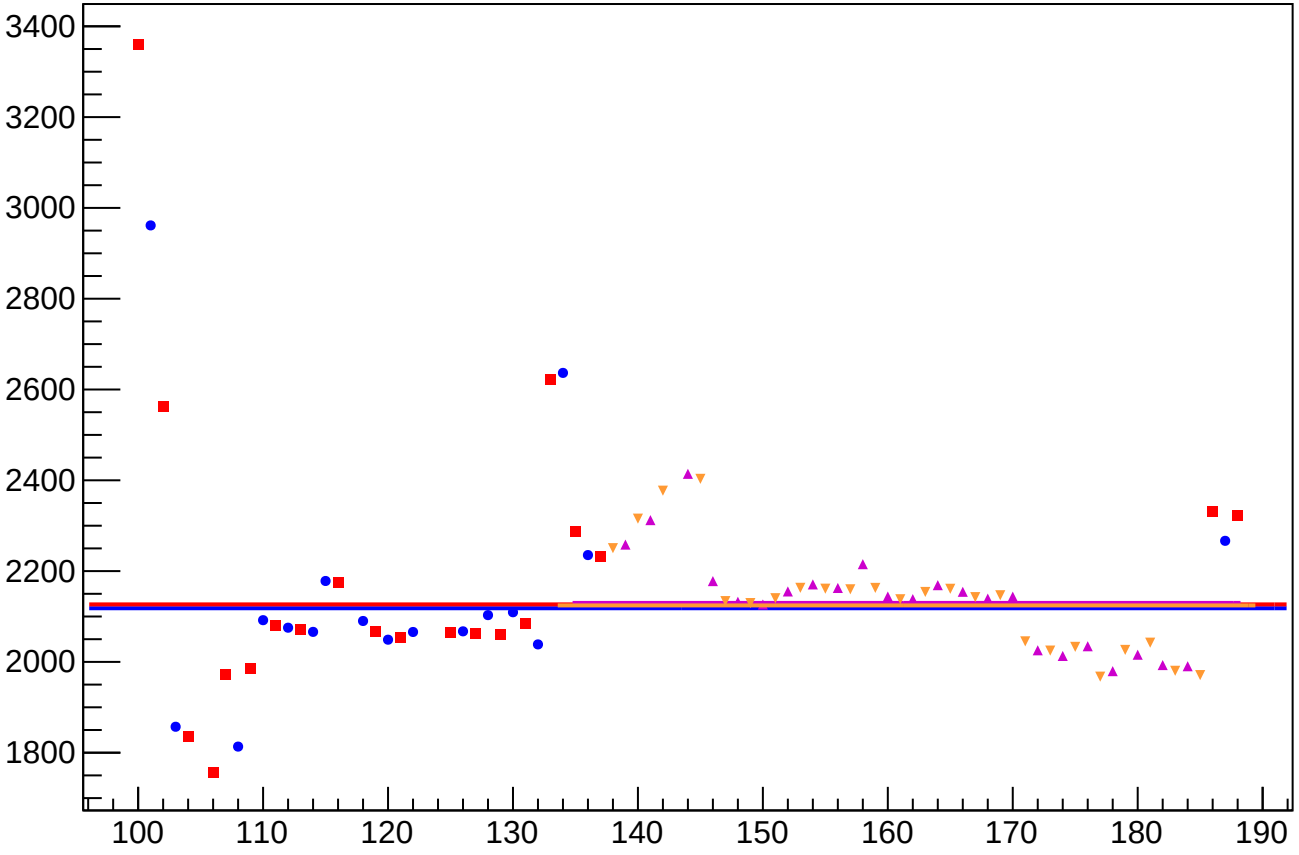
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -930.843+/-417.633 χ^2/NDF: 39.1/40

All: -372.588+/-293.088 χ^2/NDF: 75.4/83

- sign 169.164+/-411.414 χ^2/NDF: 32.8/42

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2118.181+/-0.554 χ^2/NDF: 191580.0/16

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

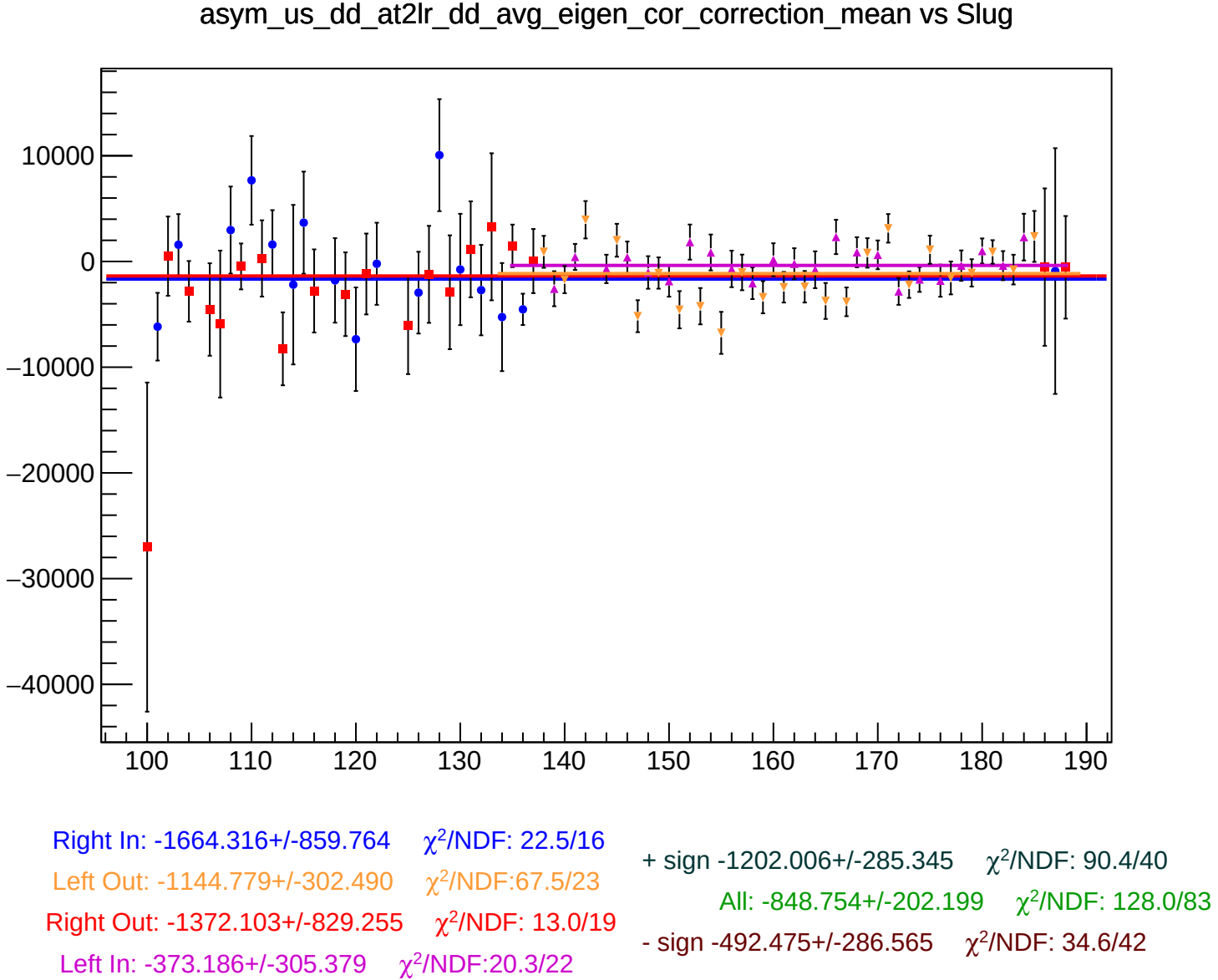
Right Out: 2126.674+/-0.517 χ^2/NDF: 172530.5/19

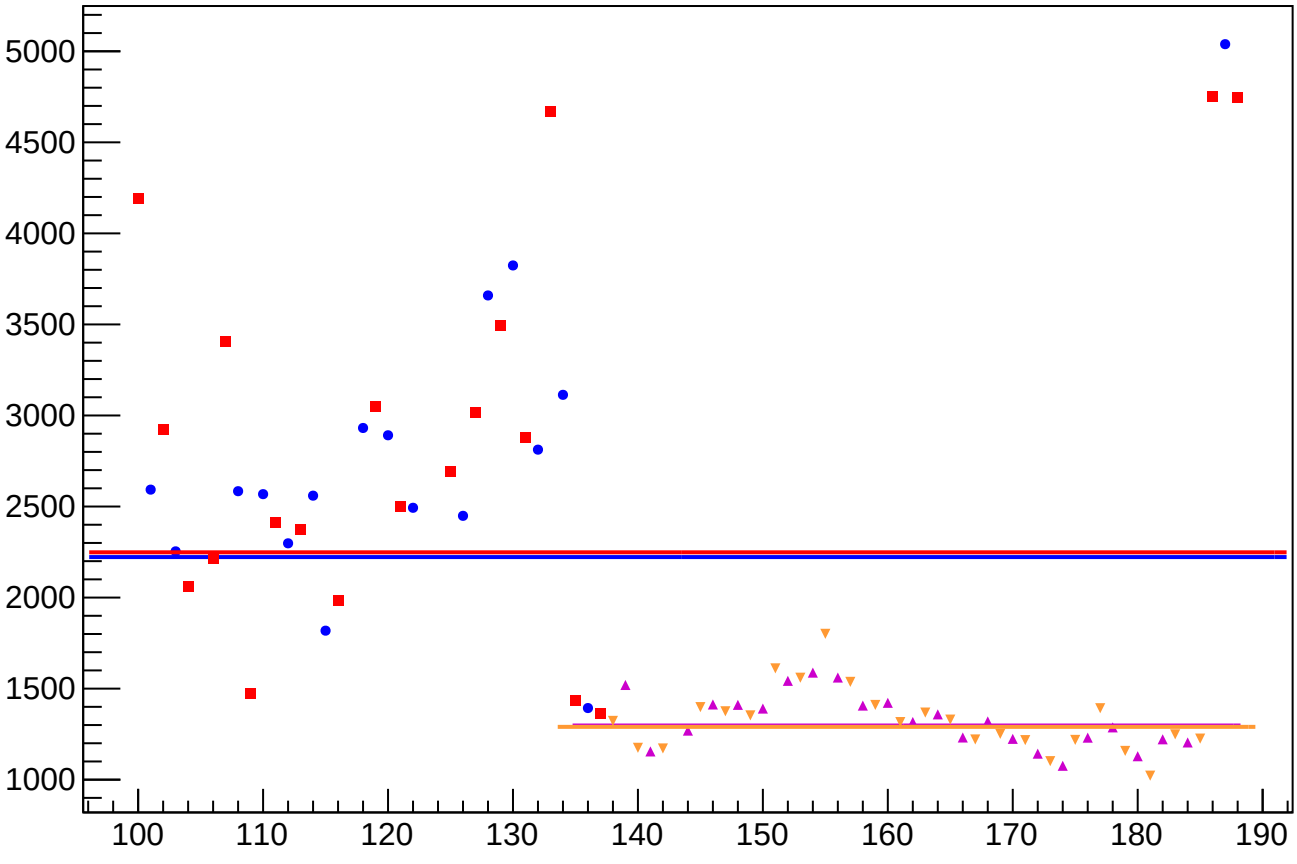
Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2122.658+/-0.295 χ^2/NDF: 280855.3/40

All: 2125.813+/-0.207 χ^2/NDF: 538991.7/83

- sign 2128.875+/-0.291 χ^2/NDF: 257911.5/42


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1664.316+/-859.764 χ²/NDF: 22.5/16
Left Out: -1144.779+/-302.490 χ²/NDF:67.5/23
Right Out: -1372.103+/-829.255 χ²/NDF: 13.0/19
Left In: -373.186+/-305.379 χ²/NDF:20.3/22
+ sign -1202.006+/-285.345 χ²/NDF: 90.4/40
All: -848.754+/-202.199 χ²/NDF: 128.0/83
- sign -492.475+/-286.565 χ²/NDF: 34.6/42



Right In: 2222.413+/-0.608 χ^2/NDF: 1367114.1/16

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

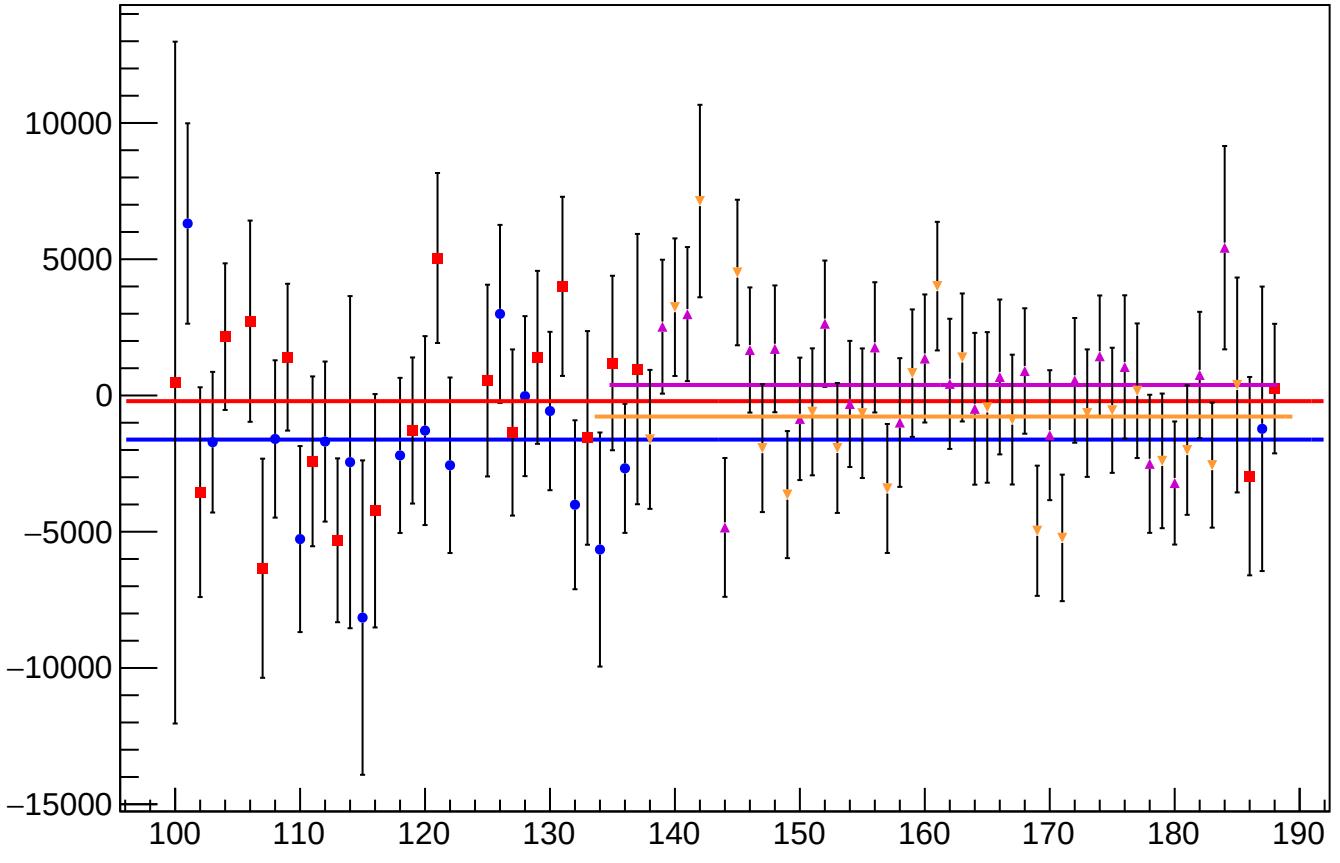
Right Out: 2248.556+/-0.586 χ^2/NDF: 2236778.6/19

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1392.741+/-0.202 χ^2/NDF: 4027990.7/40

All: 1401.849+/-0.143 χ^2/NDF: 9019595.3/83

- sign 1411.036+/-0.203 χ^2/NDF: 4987511.1/42



Right In: -1618.408+/-788.804 χ^2/NDF: 11.3/16

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -208.026+/-739.007 χ^2/NDF: 15.2/19

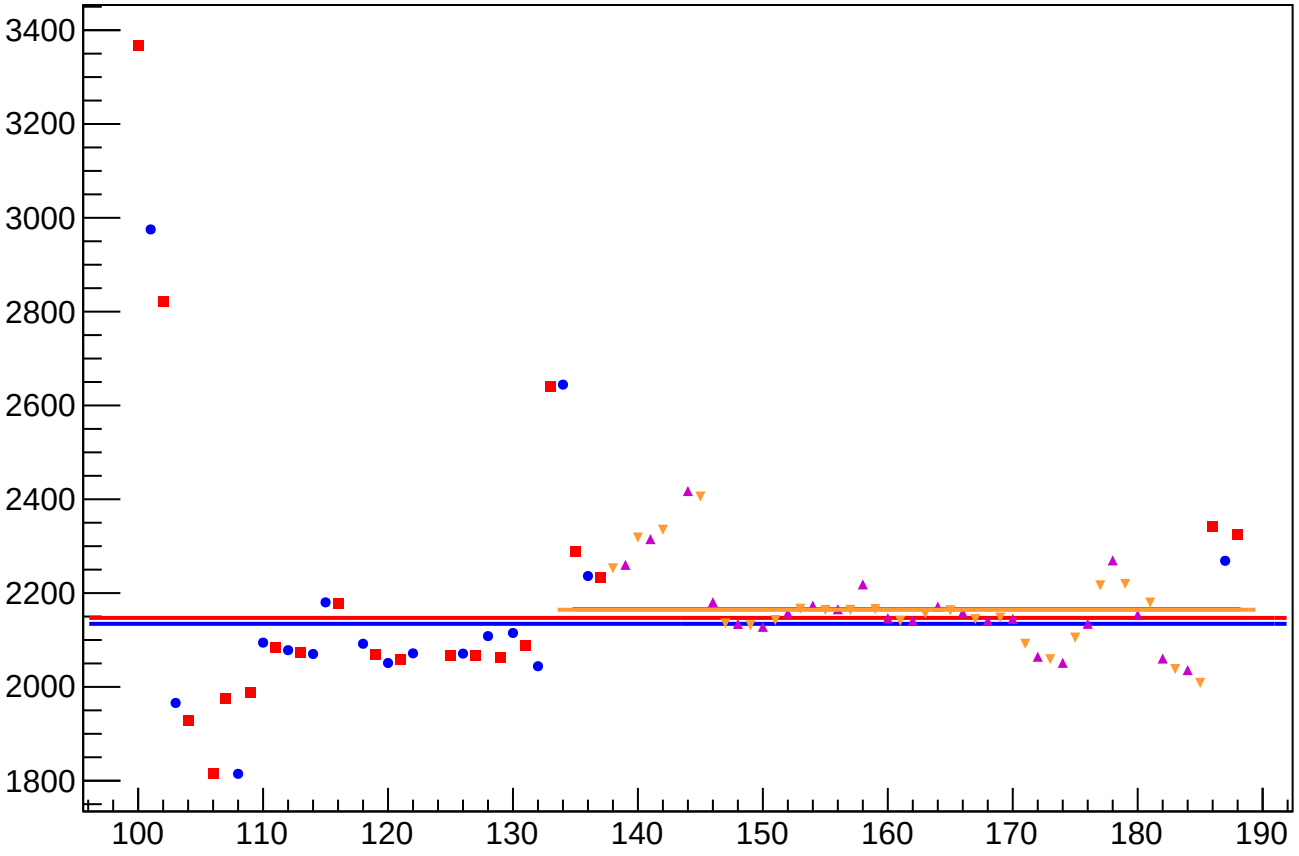
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

\+ sign -1017.676+/-424.000 χ^2/NDF: 40.7/40

All: -401.584+/-297.503 χ^2/NDF: 76.1/83

\- sign 195.875+/-417.539 χ^2/NDF: 31.3/42

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2134.439+/-0.558 χ^2/NDF: 177300.0/16

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

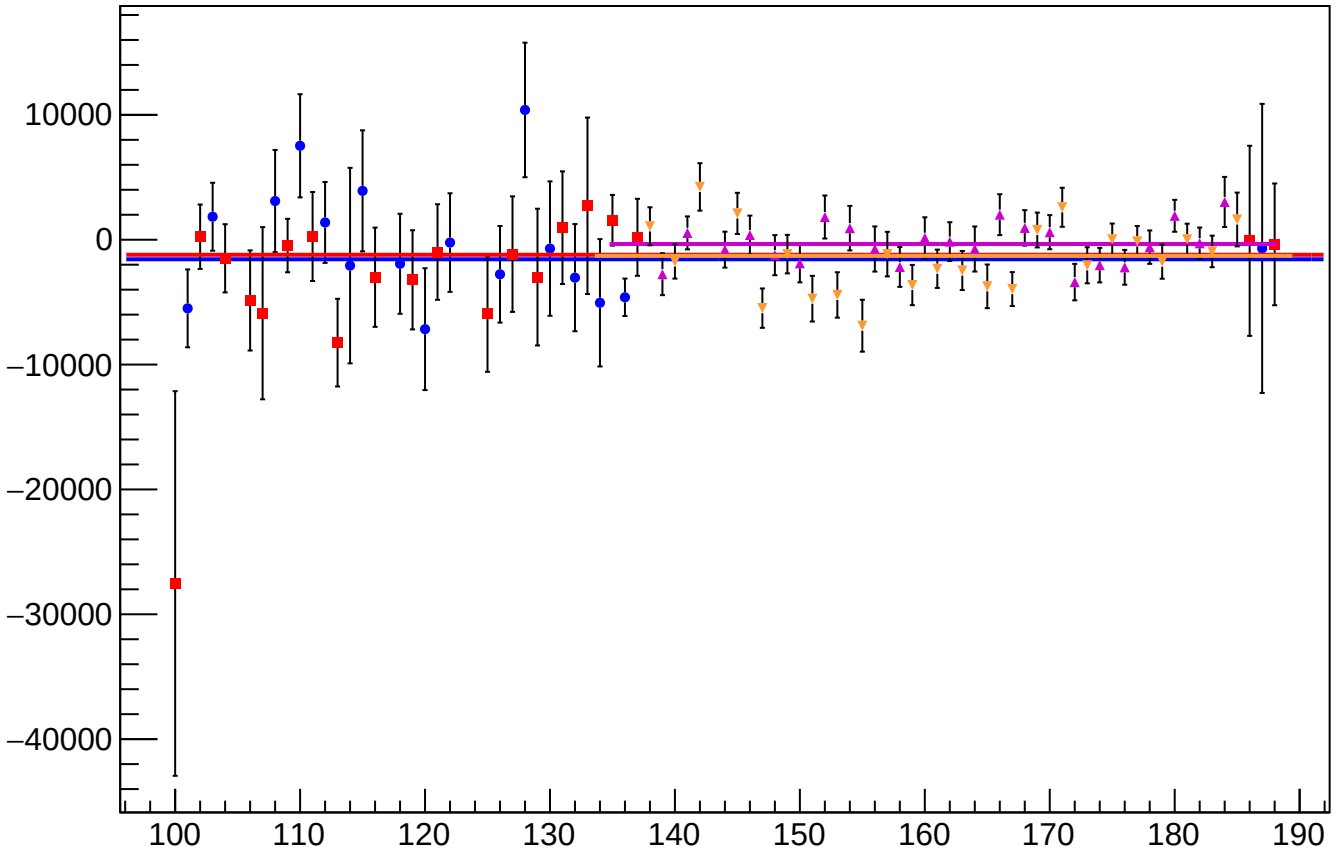
Right Out: 2147.086+/-0.523 χ^2/NDF: 183205.8/19

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2155.837+/-0.300 χ^2/NDF: 230046.2/40

All: 2157.808+/-0.210 χ^2/NDF: 466320.2/83

- sign 2159.719+/-0.295 χ^2/NDF: 236188.8/42



Right In: -1566.260+/-857.392 χ^2/NDF: 22.6/16

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

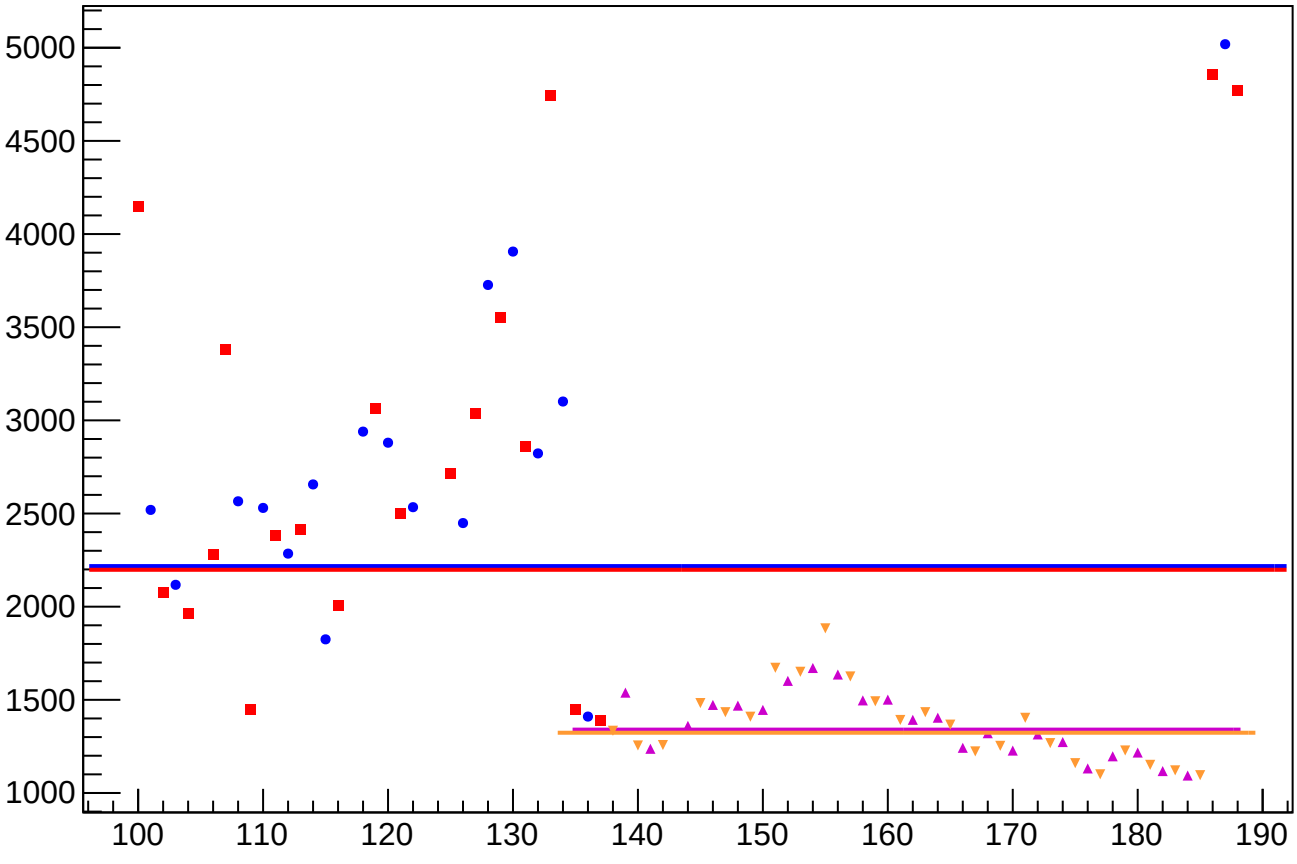
Right Out: -1204.569+/-803.911 χ^2/NDF: 13.1/19

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1325.337+/-292.047 χ^2/NDF: 81.4/40

All: -893.449+/-207.106 χ^2/NDF: 124.7/83

- sign -456.523+/-293.745 χ^2/NDF: 38.9/42



Right In: 2217.829+/-0.606 χ^2/NDF: 1340715.2/16

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

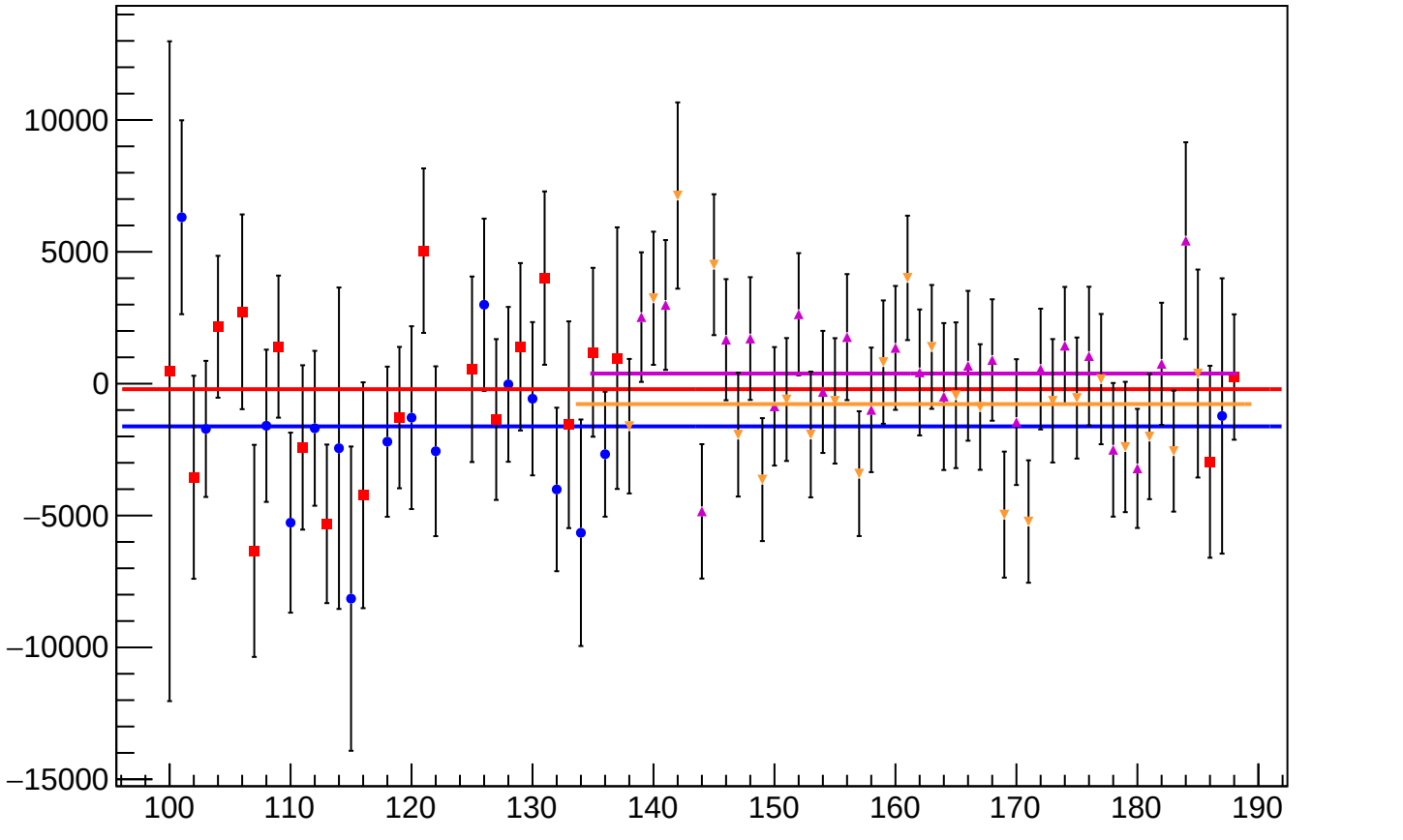
Right Out: 2197.969+/-0.568 χ^2/NDF: 2206011.4/19

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1427.177+/-0.207 χ^2/NDF: 3928557.0/40

All: 1440.821+/-0.146 χ^2/NDF: 8611096.8/83

- sign 1454.624+/-0.208 χ^2/NDF: 4673758.5/42



Right In: -1618.410+/-788.804 χ^2/NDF: 11.3/16

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -208.023+/-739.007 χ^2/NDF: 15.2/19

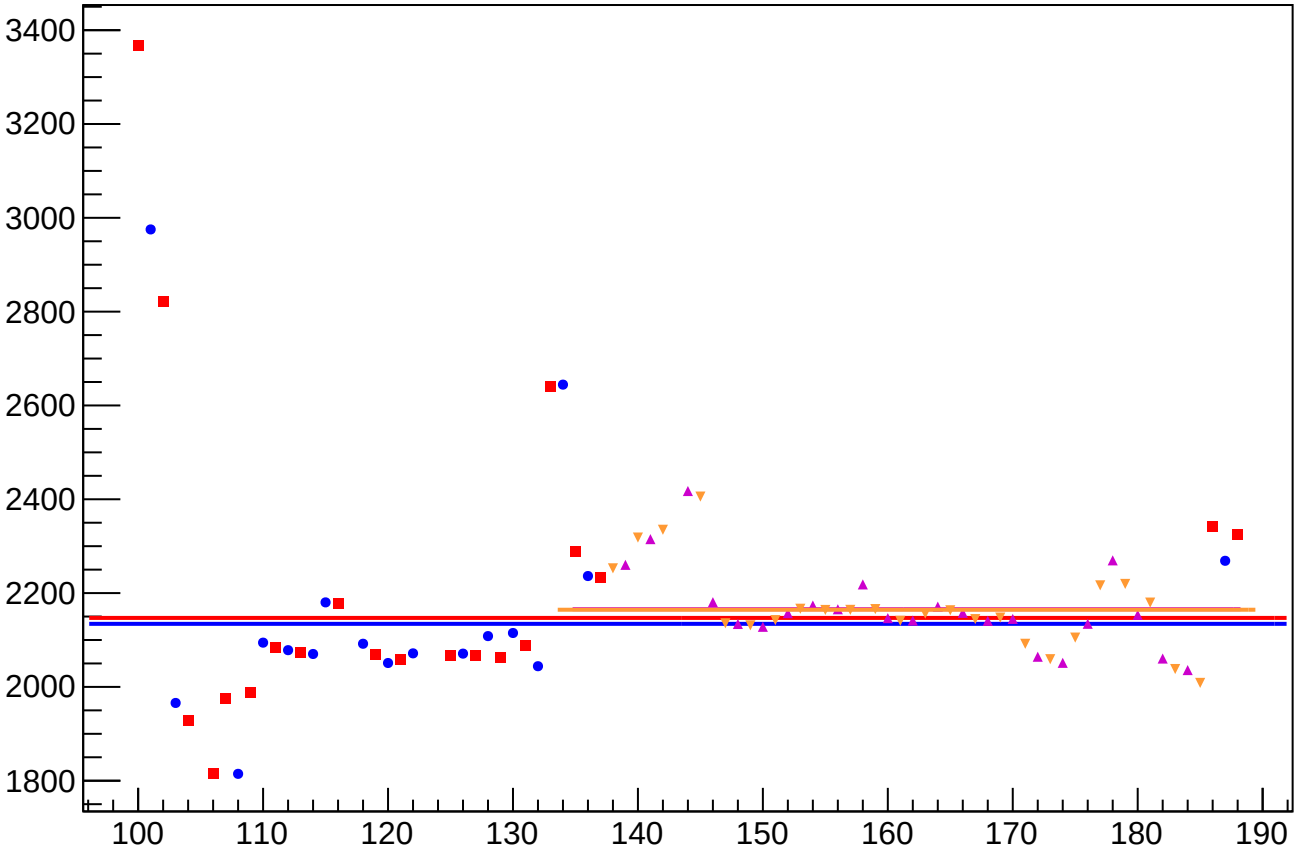
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -1017.674+/-424.000 χ^2/NDF: 40.7/40

All: -401.583+/-297.503 χ^2/NDF: 76.1/83

- sign 195.875+/-417.539 χ^2/NDF: 31.3/42

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2134.439+/-0.558 χ^2/NDF: 177300.0/16

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

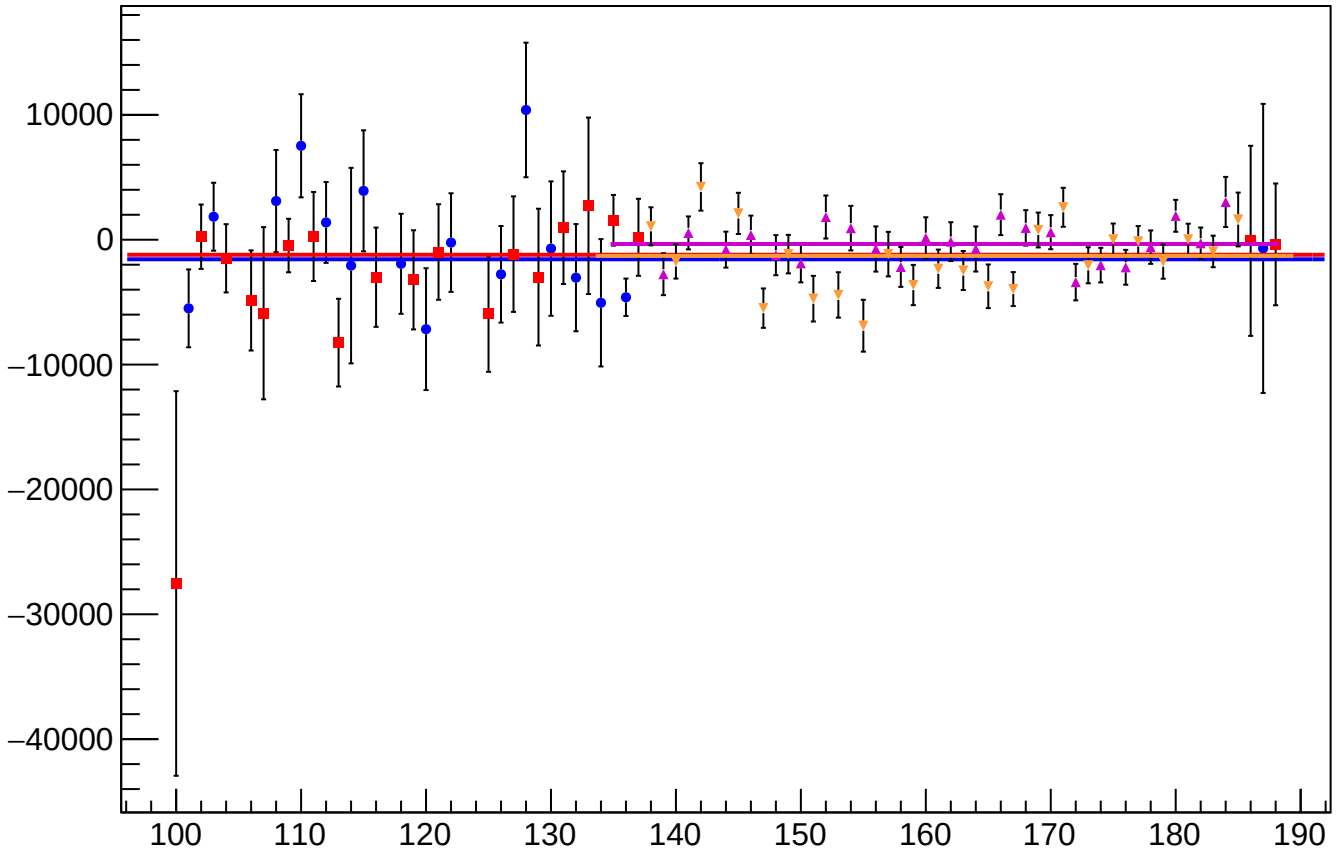
Right Out: 2147.086+/-0.523 χ^2/NDF: 183205.8/19

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2155.837+/-0.300 χ^2/NDF: 230046.2/40

All: 2157.808+/-0.210 χ^2/NDF: 466320.0/83

- sign 2159.719+/-0.295 χ^2/NDF: 236188.7/42



Right In: -1566.246+/-857.395 χ^2/NDF: 22.6/16

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

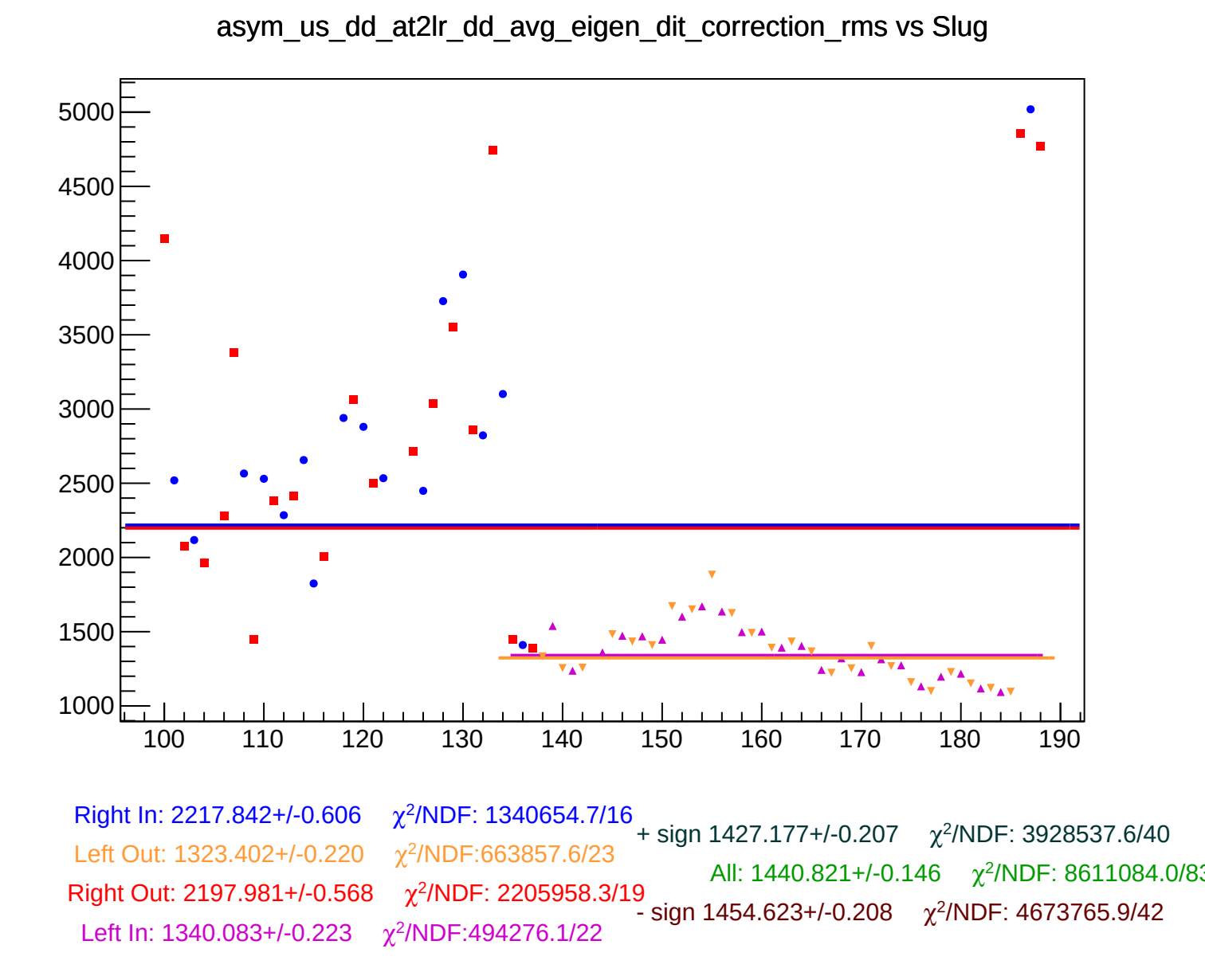
Right Out: -1204.583+/-803.914 χ^2/NDF: 13.1/19

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1325.336+/-292.047 χ^2/NDF: 81.4/40

All: -893.448+/-207.106 χ^2/NDF: 124.7/83

- sign -456.521+/-293.745 χ^2/NDF: 38.9/42


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug
5000
4500
4000
3500
3000
2500
2000
1500
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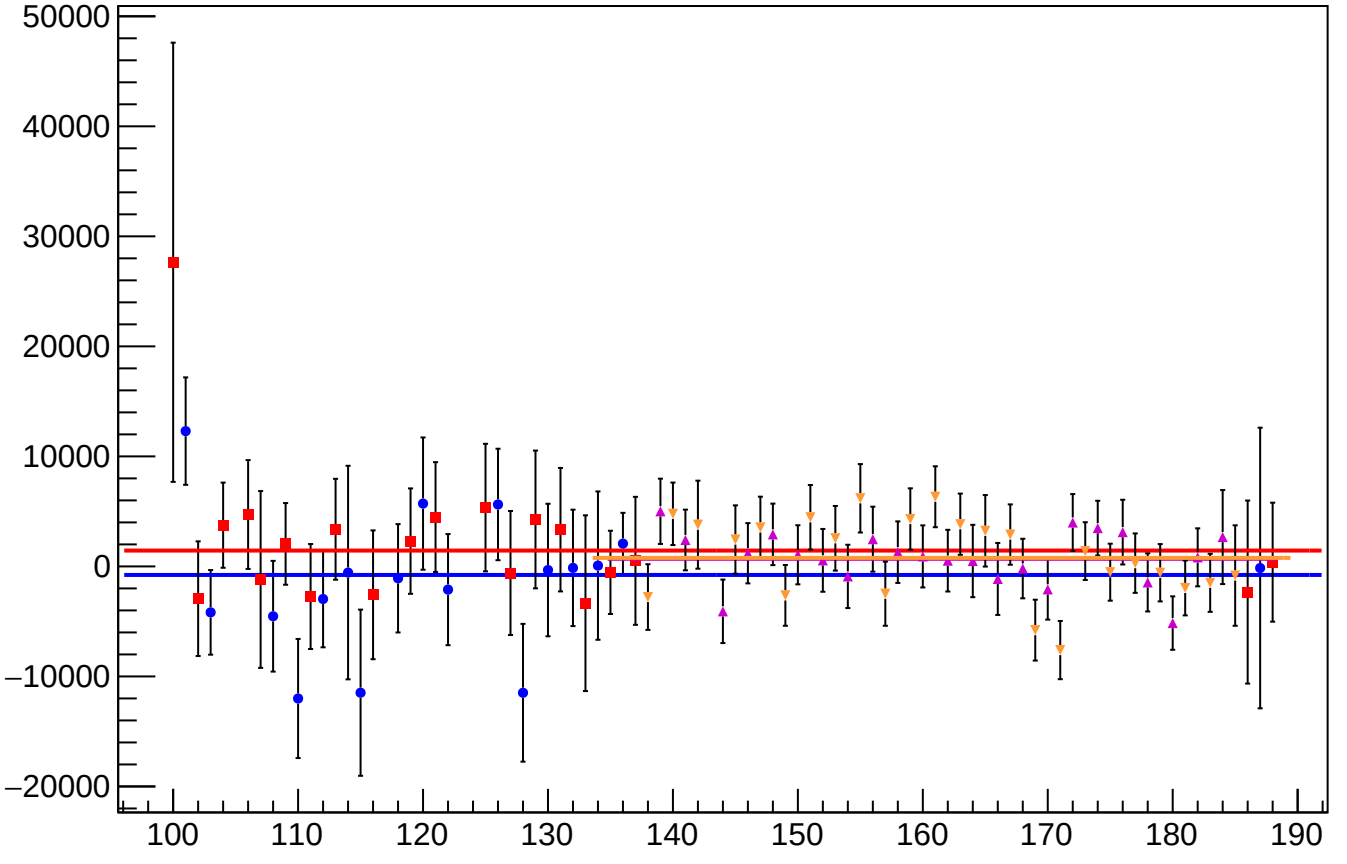
100
110
120
130
140
150
160
170
180
190
Right In: 2217.842+/-0.606 χ²/NDF: 1340654.7/16
Left Out: 1323.402+/-0.220 χ²/NDF:663857.6/23
Right Out: 2197.981+/-0.568 χ²/NDF: 2205958.3/19
Left In: 1340.083+/-0.223 χ²/NDF:494276.1/22
+ sign 1427.177+/-0.207 χ²/NDF: 3928537.6/40
All: 1440.821+/-0.146 χ²/NDF: 8611084.0/83
- sign 1454.623+/-0.208 χ²/NDF: 4673765.9/42

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -775.652+/-1235.868 χ^2/NDF: 21.9/16

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

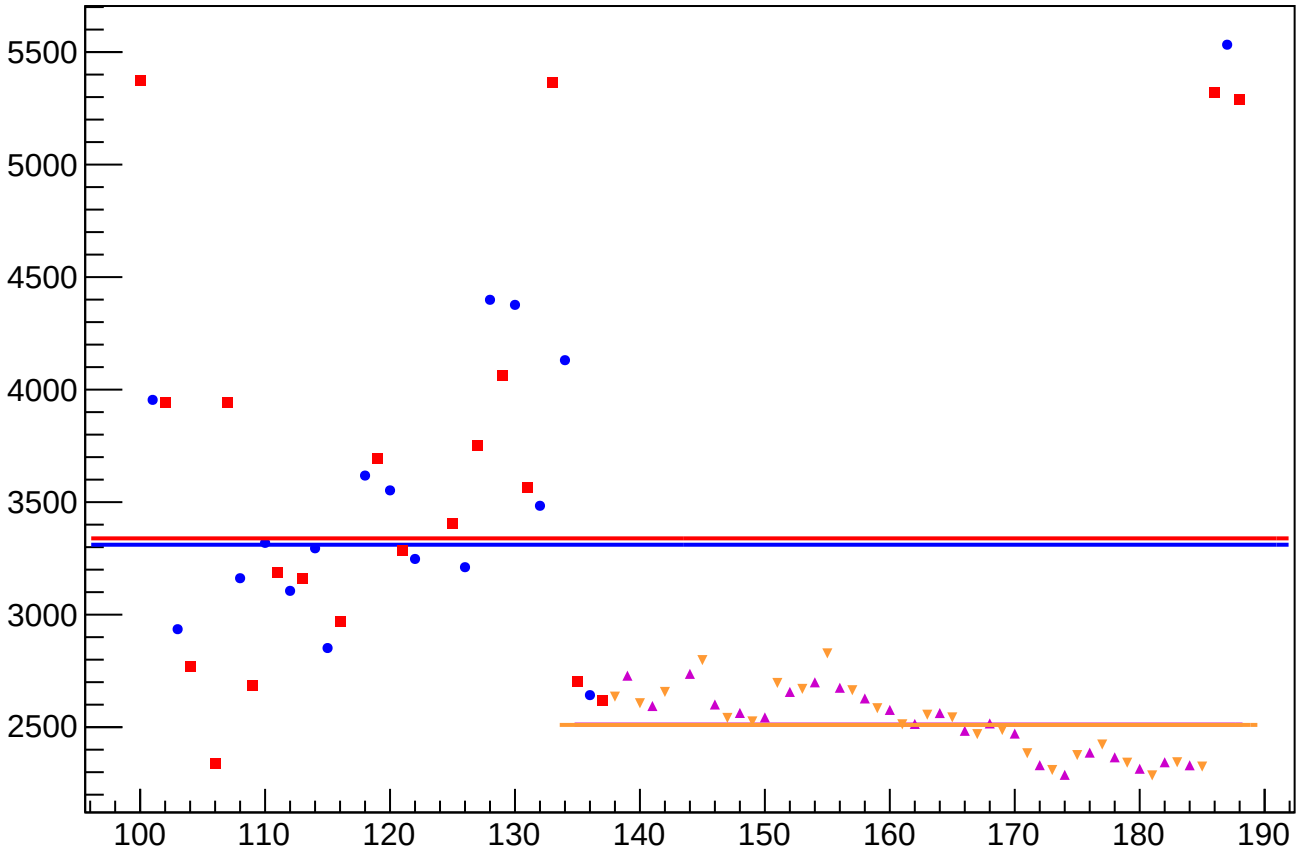
Right Out: 1440.044+/-1177.146 χ^2/NDF: 7.0/19

Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 492.020+/-527.788 χ^2/NDF: 62.5/40

All: 666.490+/-372.433 χ^2/NDF: 88.4/83

\- sign 839.528+/-525.618 χ^2/NDF: 25.6/42



Right In: 3310.751+/-0.874 χ^2/NDF: 408874.9/16

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

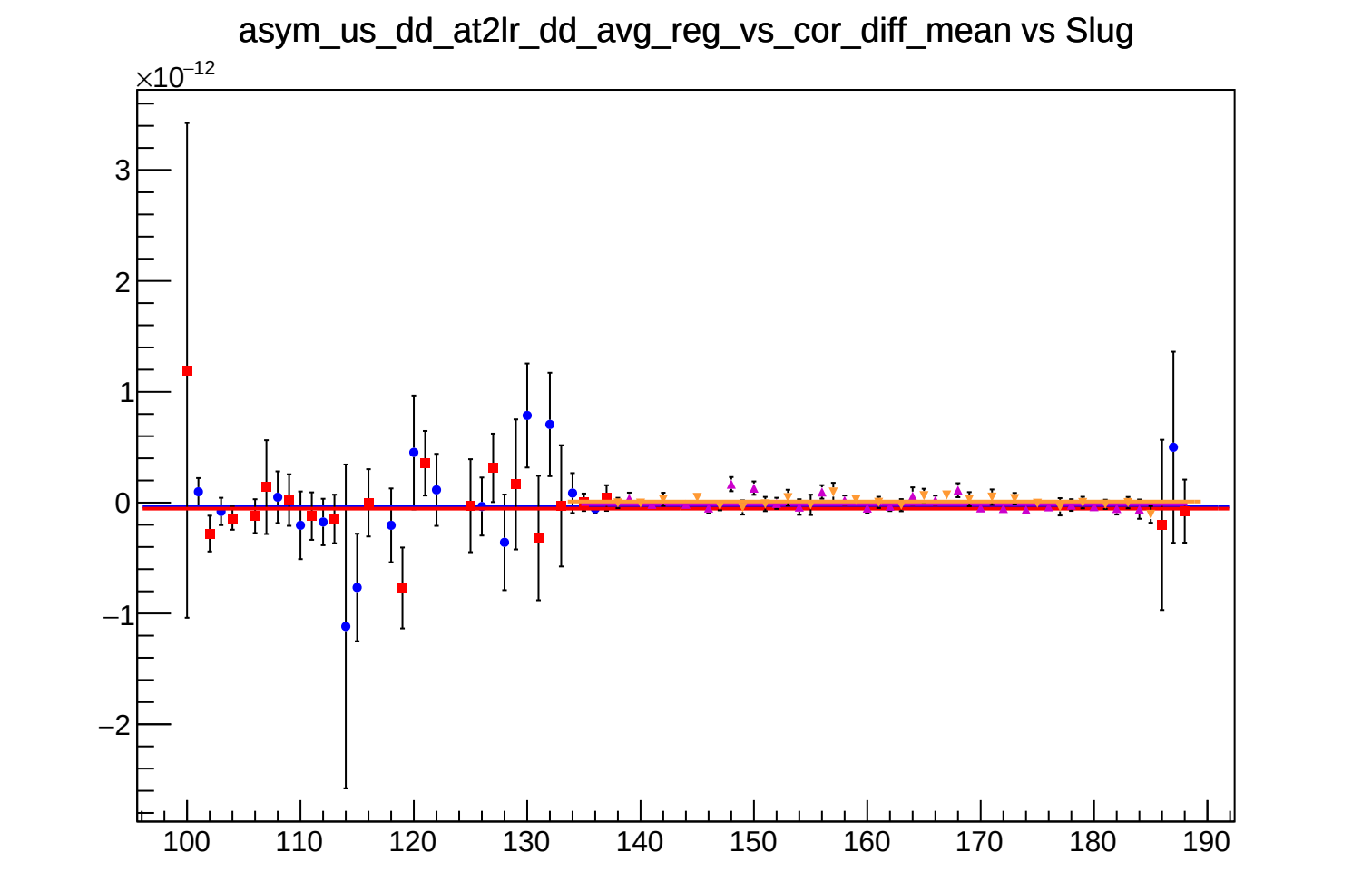
Right Out: 3339.017+/-0.832 χ^2/NDF: 900447.4/19

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2656.097+/-0.373 χ^2/NDF: 1223879.1/40

All: 2666.382+/-0.263 χ^2/NDF: 3030443.1/83

- sign 2676.583+/-0.372 χ^2/NDF: 1805051.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

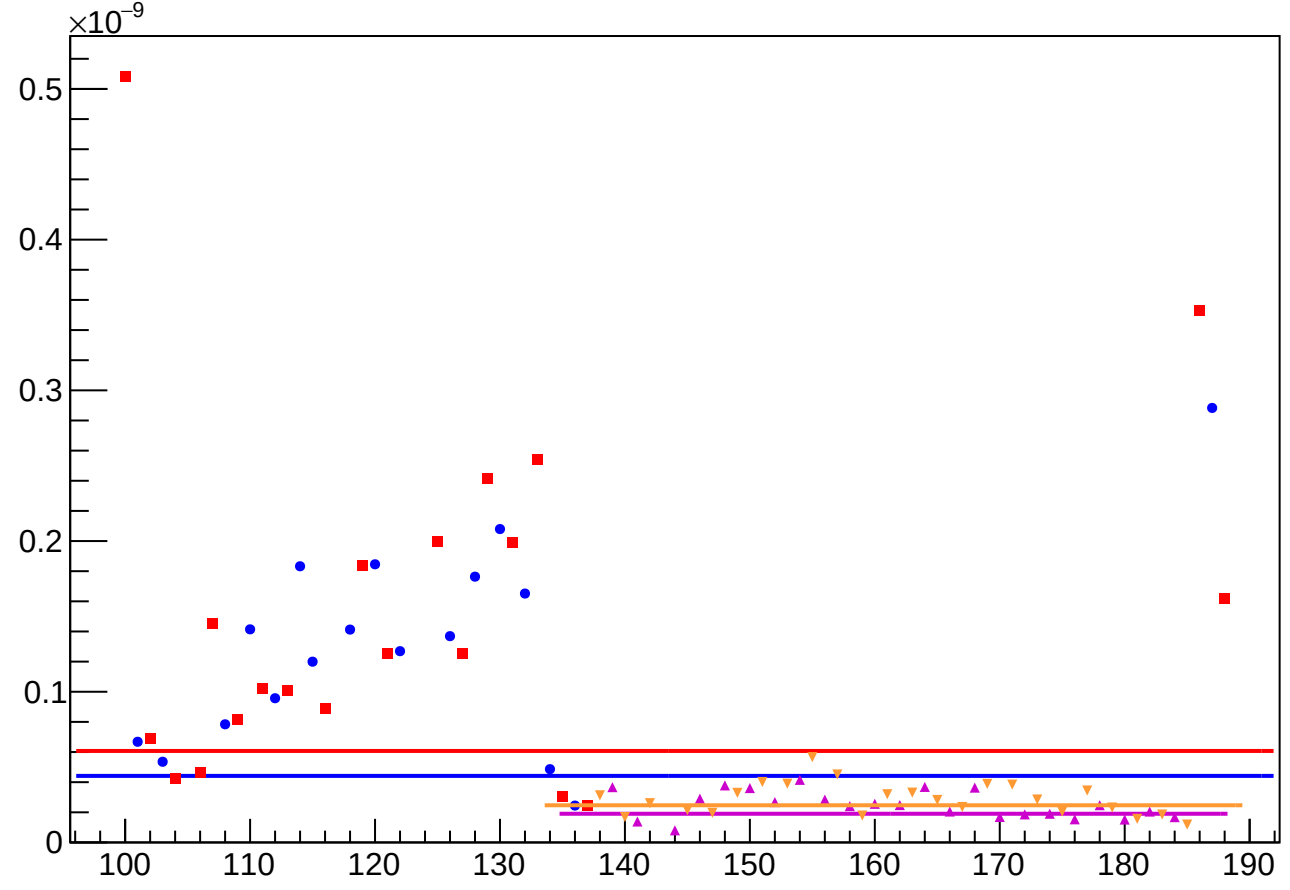
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/19

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/40

All: -0.000+/-0.000 χ^2/NDF: 74.4/83

- sign -0.000+/-0.000 χ^2/NDF: 44.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 2388464.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

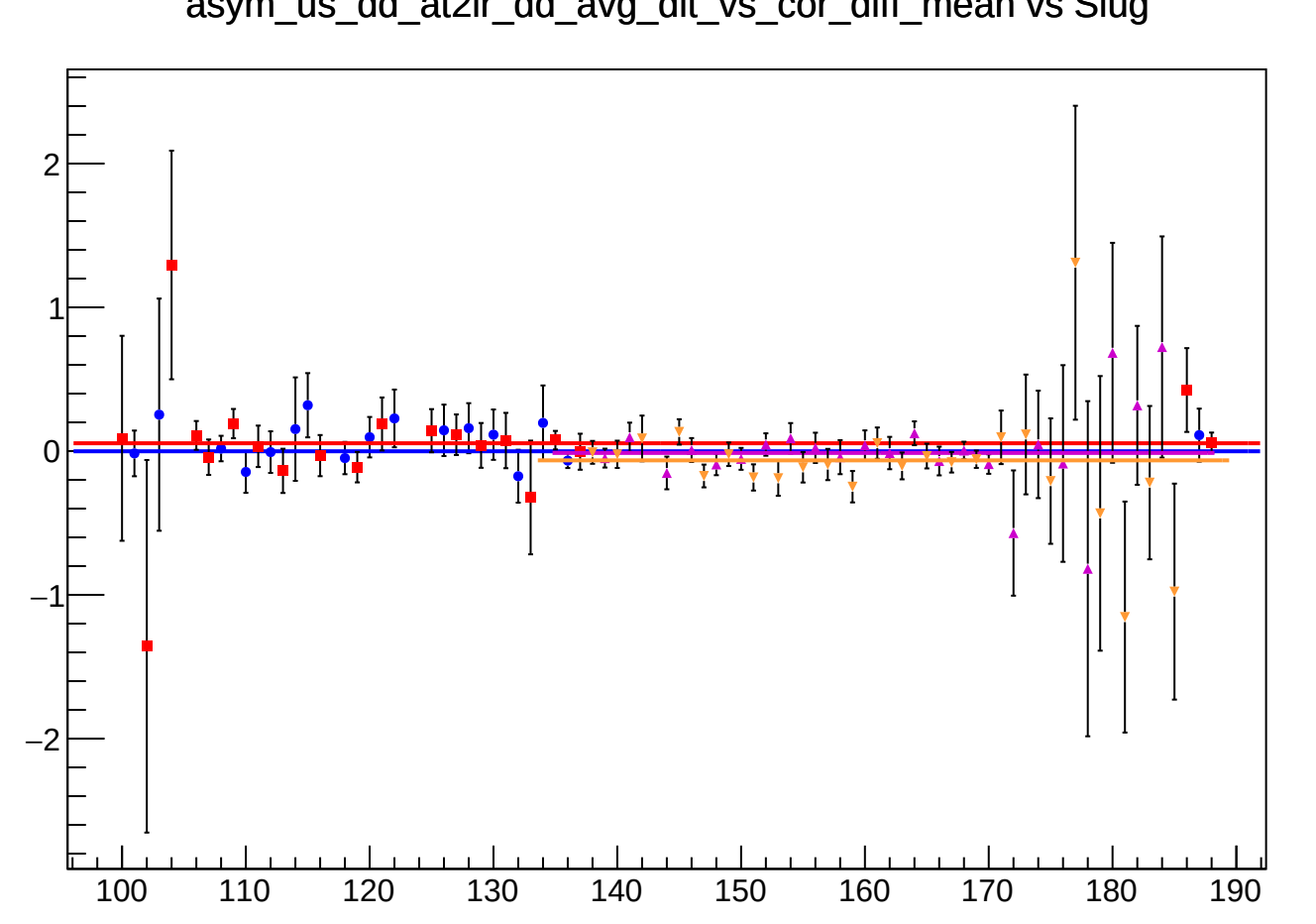
Right Out: 0.000+/-0.000 χ^2/NDF: 2640840.8/19

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 4395997.1/40

All: 0.000+/-0.000 χ^2/NDF: 11435015.9/83

- sign 0.000+/-0.000 χ^2/NDF: 6655974.3/42



Right In: -0.001+/-0.032 χ^2/NDF: 10.7/16

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

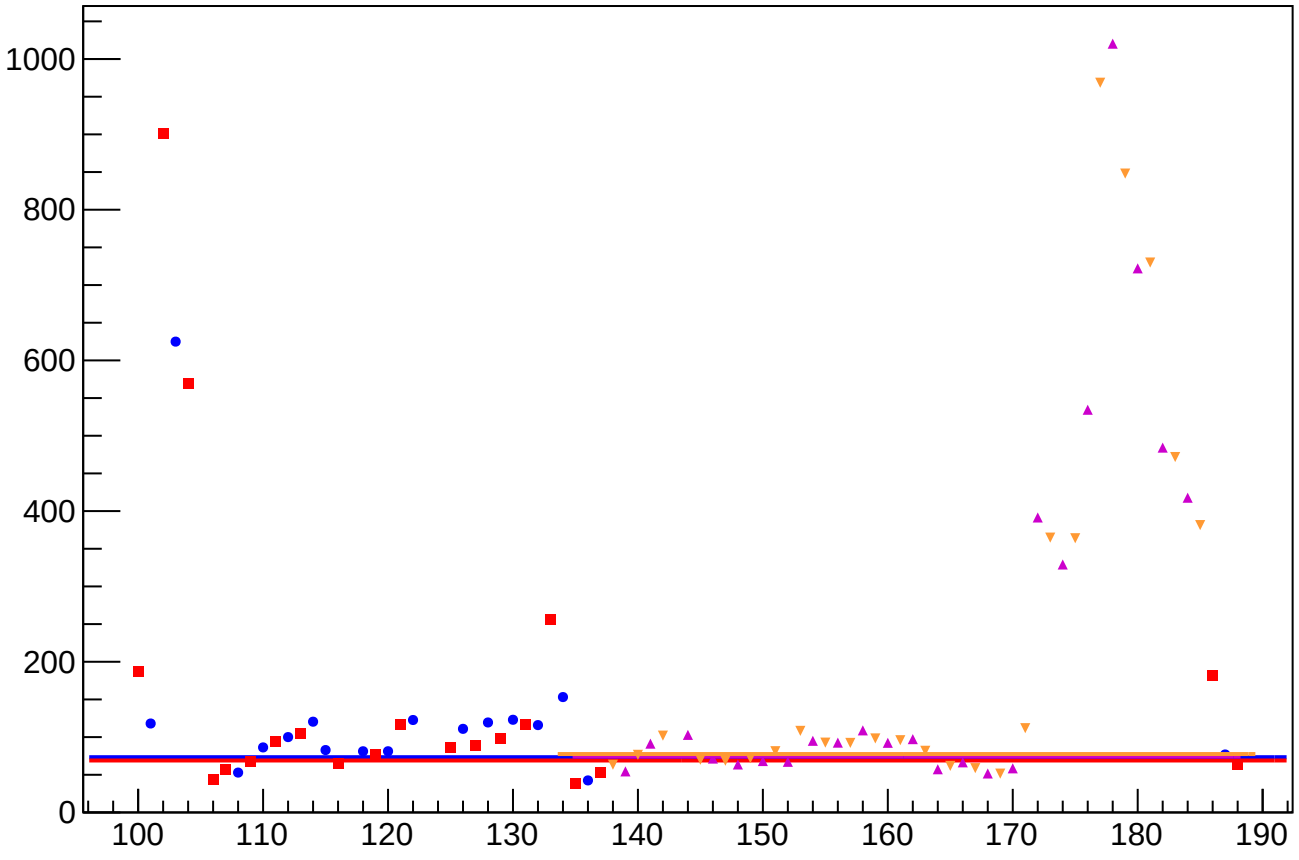
Right Out: 0.055+/-0.029 χ^2/NDF: 14.7/19

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.044+/-0.018 χ^2/NDF: 35.7/40

All: -0.015+/-0.012 χ^2/NDF: 73.8/83

- sign 0.011+/-0.017 χ^2/NDF: 33.2/42



Right In: 73.345+/-0.022 χ^2/NDF: 2855388.4/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 68.977+/-0.020 χ^2/NDF: 3643854.7/19

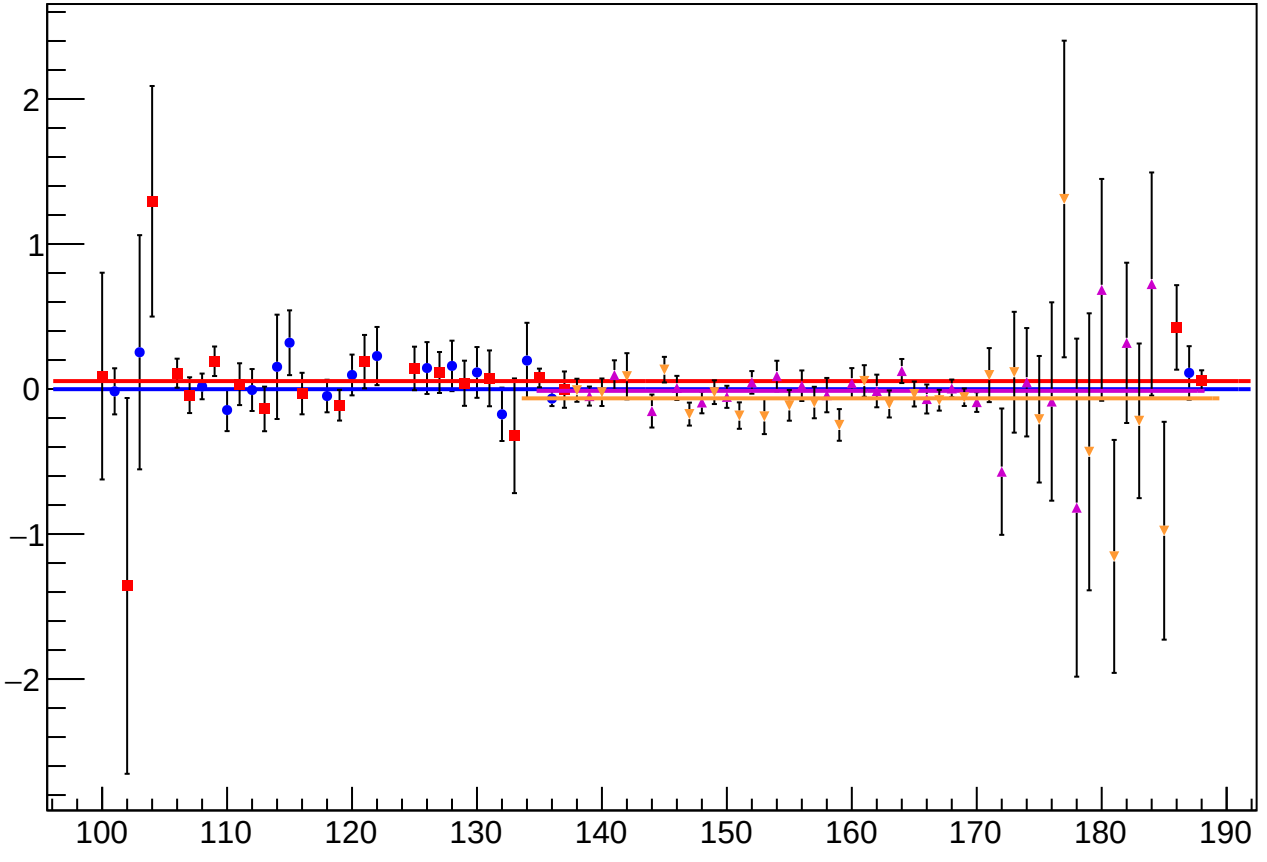
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 76.165+/-0.013 χ^2/NDF: 11210032.2/40

All: 74.155+/-0.009 χ^2/NDF: 23457236.6/83

- sign 72.383+/-0.012 χ^2/NDF: 12200982.9/42

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.032 χ^2/NDF: 10.7/16

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

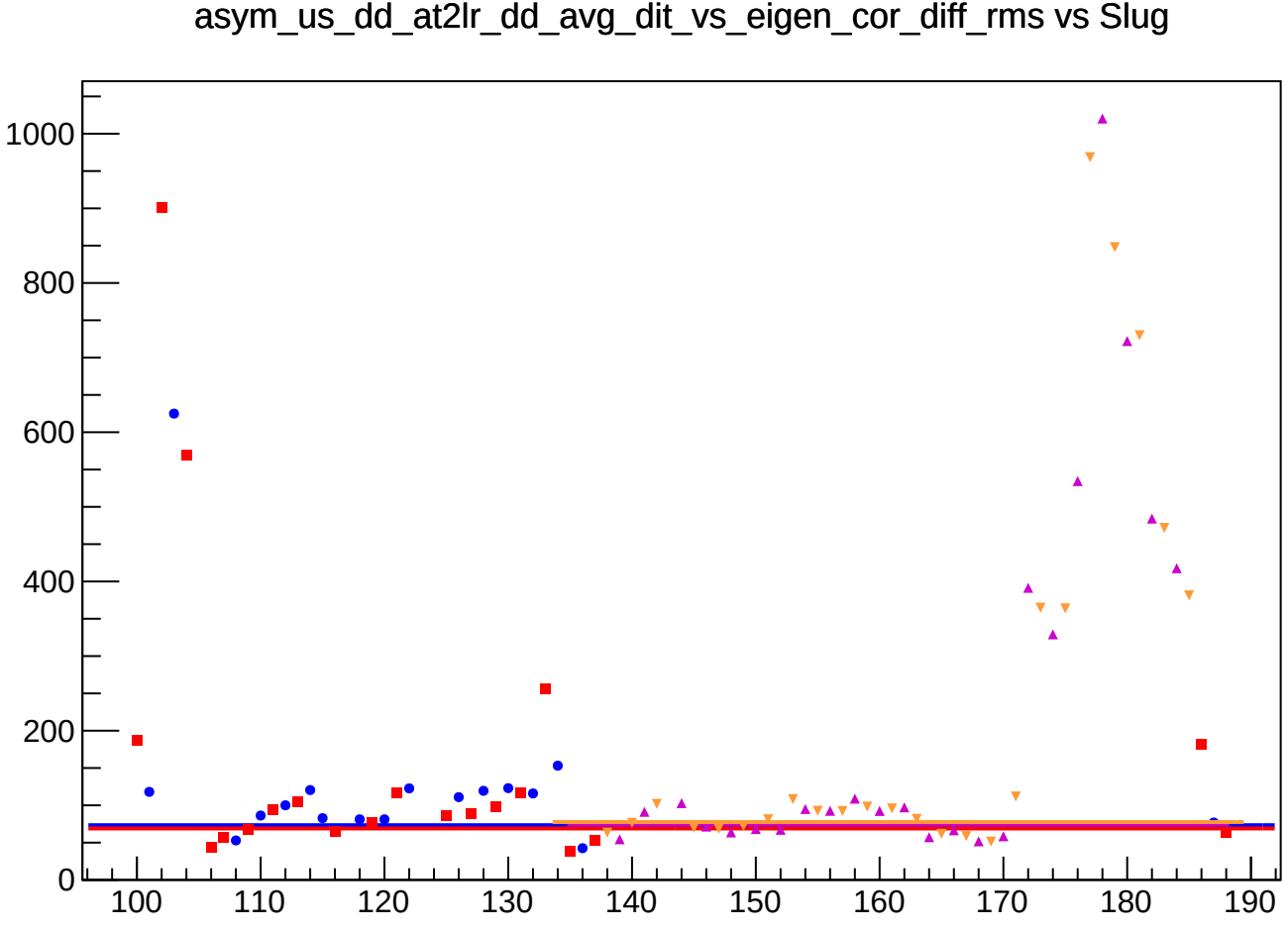
Right Out: 0.055+/-0.029 χ^2/NDF: 14.7/19

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.044+/-0.018 χ^2/NDF: 35.7/40

All: -0.015+/-0.012 χ^2/NDF: 73.8/83

- sign 0.011+/-0.017 χ^2/NDF: 33.2/42



Right In: 73.345+/-0.022 χ^2/NDF: 2855388.4/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

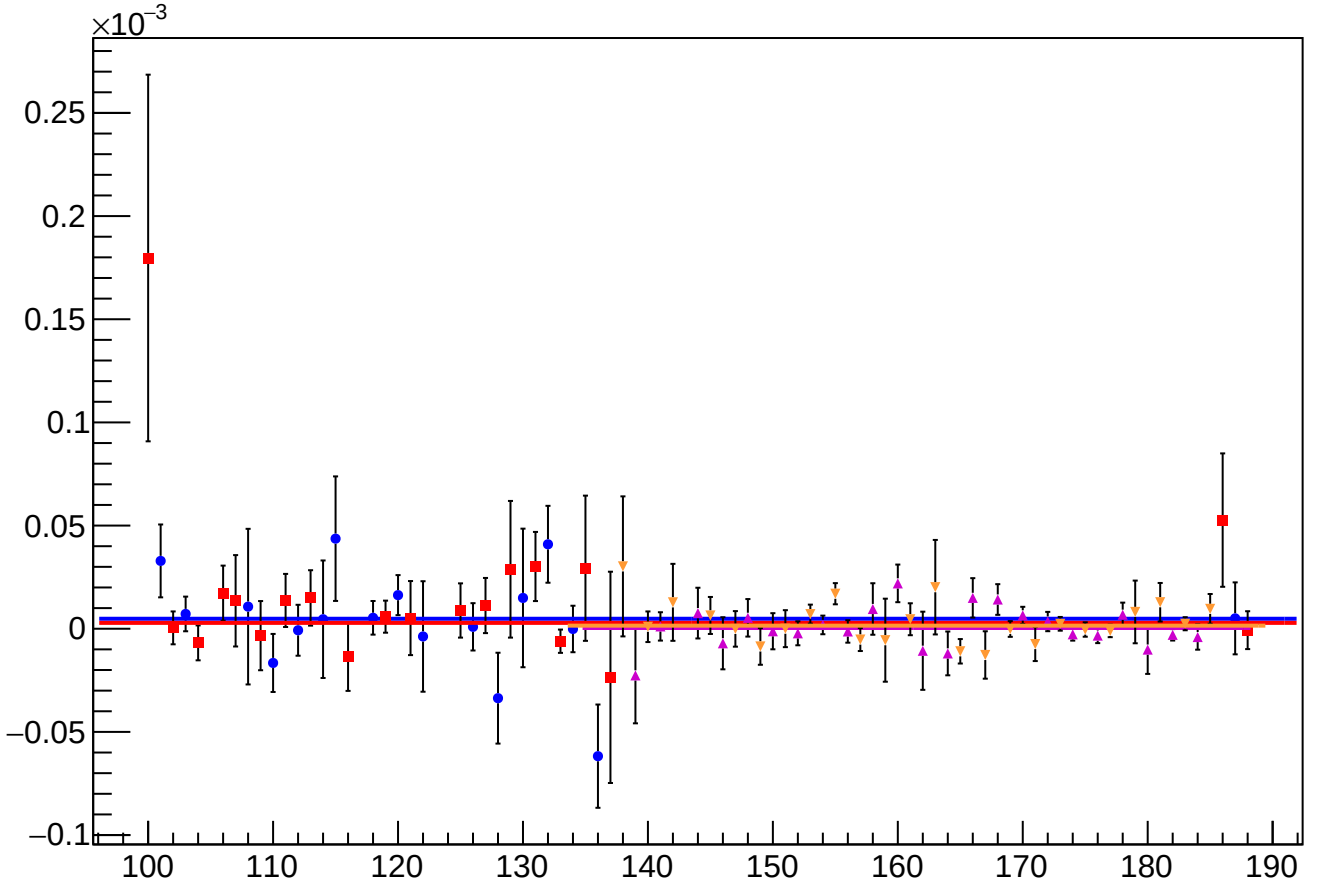
Right Out: 68.977+/-0.020 χ^2/NDF: 3643854.7/19

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 76.165+/-0.013 χ^2/NDF: 11210032.2/40

All: 74.155+/-0.009 χ^2/NDF: 23457236.6/83

- sign 72.383+/-0.012 χ^2/NDF: 12200982.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

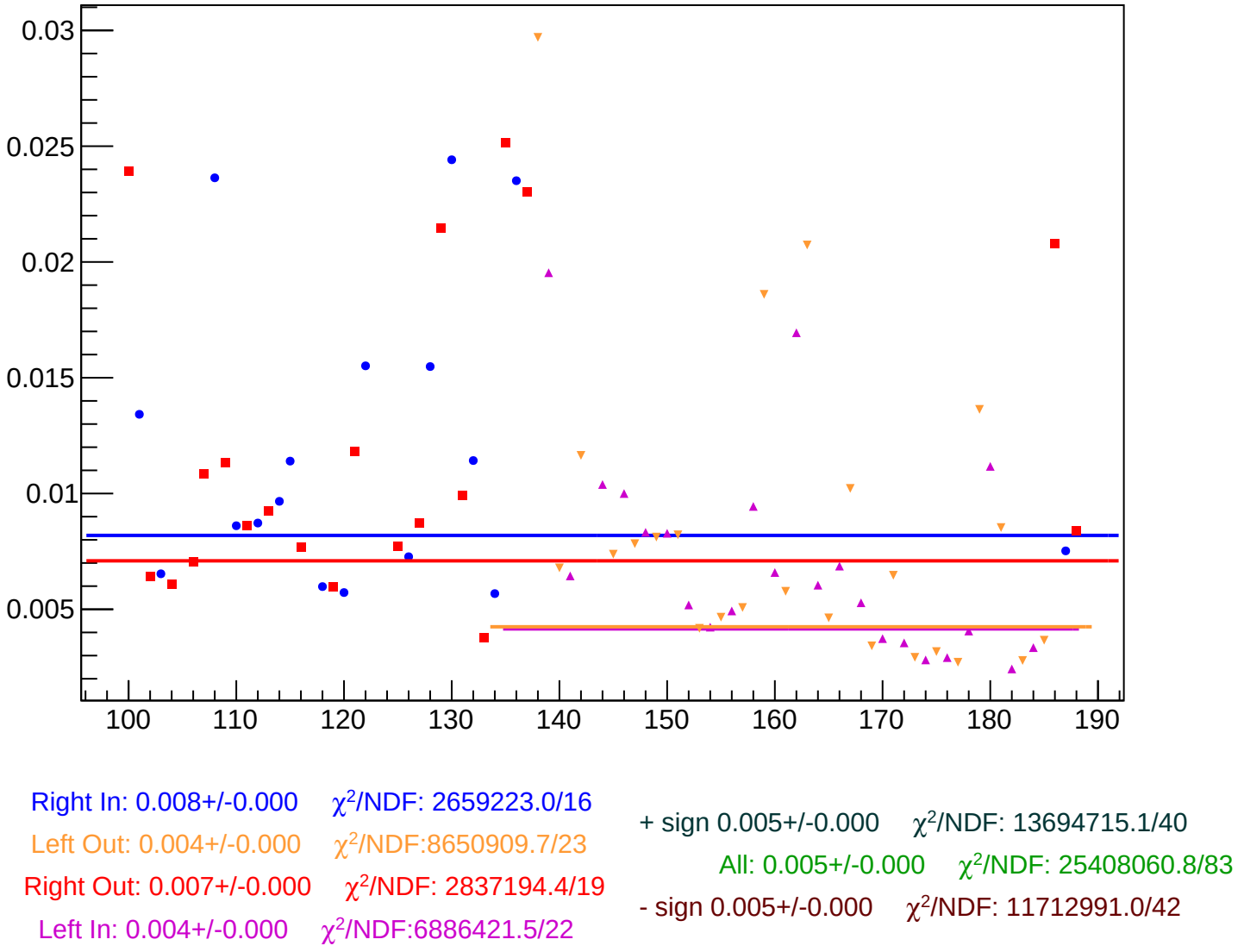
Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/19

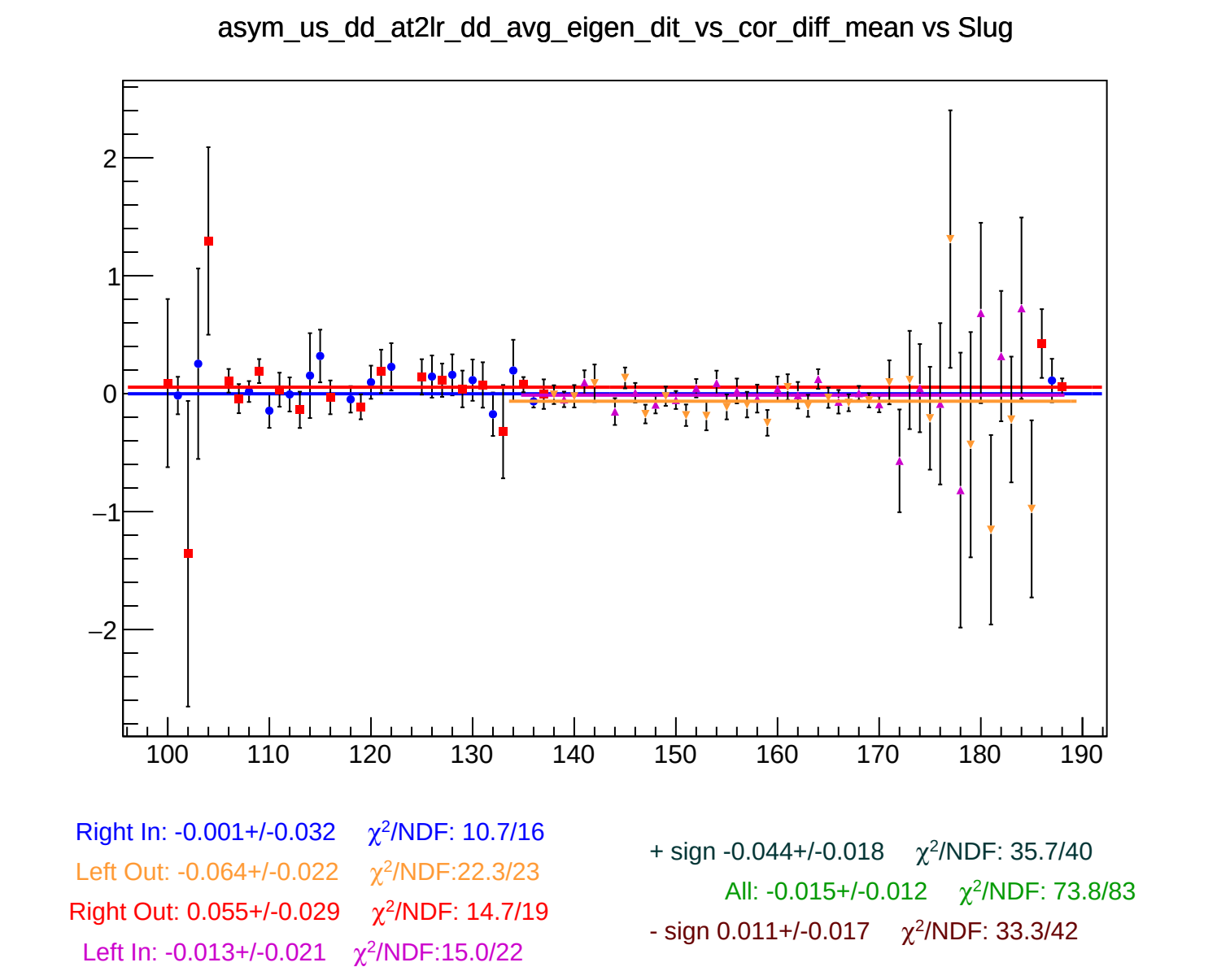
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

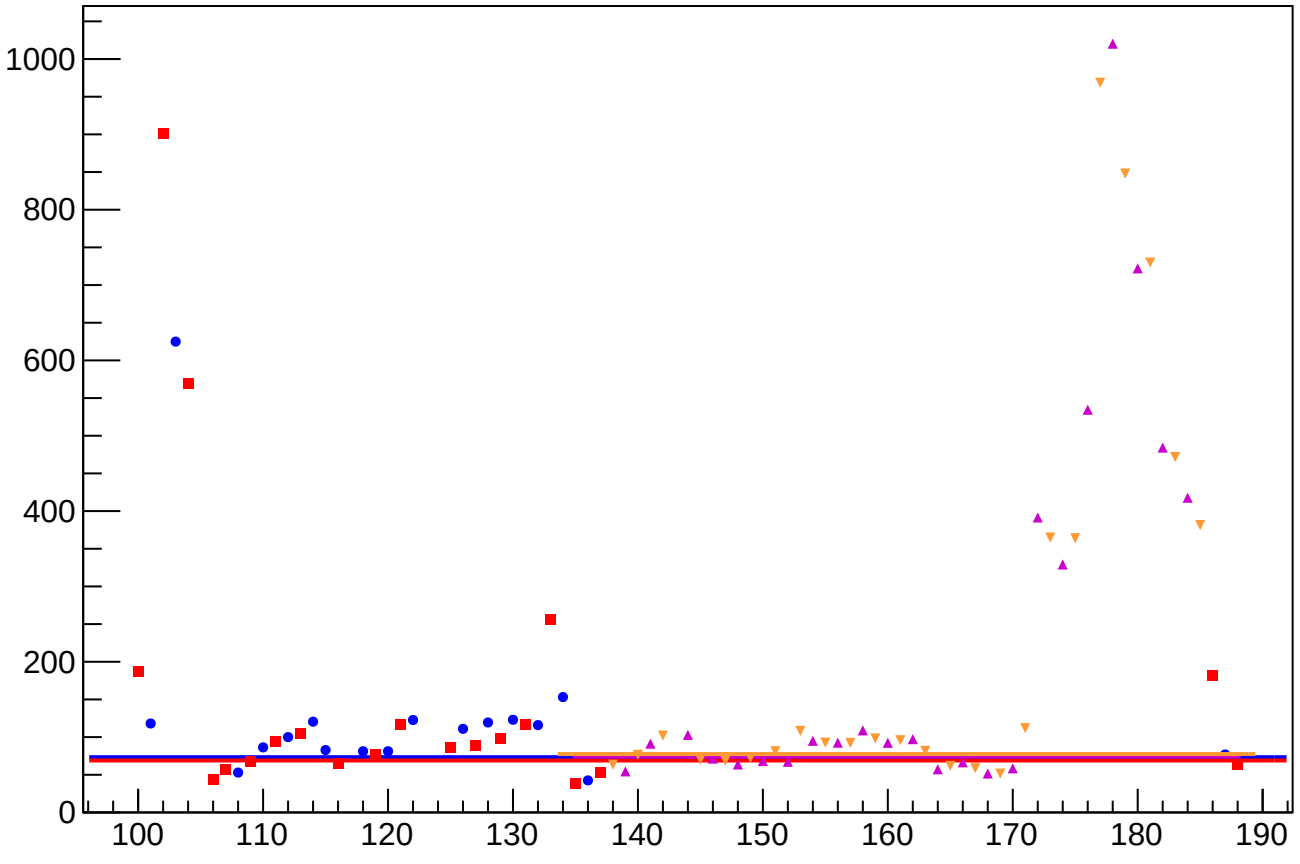
+ sign 0.000+/-0.000 χ^2/NDF: 50.5/40

All: 0.000+/-0.000 χ^2/NDF: 95.6/83

- sign 0.000+/-0.000 χ^2/NDF: 44.6/42


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.000 χ²/NDF: 2659223.0/16
Left Out: 0.004+/-0.000 χ²/NDF:8650909.7/23
Right Out: 0.007+/-0.000 χ²/NDF: 2837194.4/19
Left In: 0.004+/-0.000 χ²/NDF:6886421.5/22
+ sign 0.005+/-0.000 χ²/NDF: 13694715.1/40
All: 0.005+/-0.000 χ²/NDF: 25408060.8/83
- sign 0.005+/-0.000 χ²/NDF: 11712991.0/42


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.001+/-0.032 χ²/NDF: 10.7/16
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.055+/-0.029 χ²/NDF: 14.7/19
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.044+/-0.018 χ²/NDF: 35.7/40
All: -0.015+/-0.012 χ²/NDF: 73.8/83
- sign 0.011+/-0.017 χ²/NDF: 33.3/42



Right In: 73.369+/-0.022 χ^2/NDF: 2853084.3/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

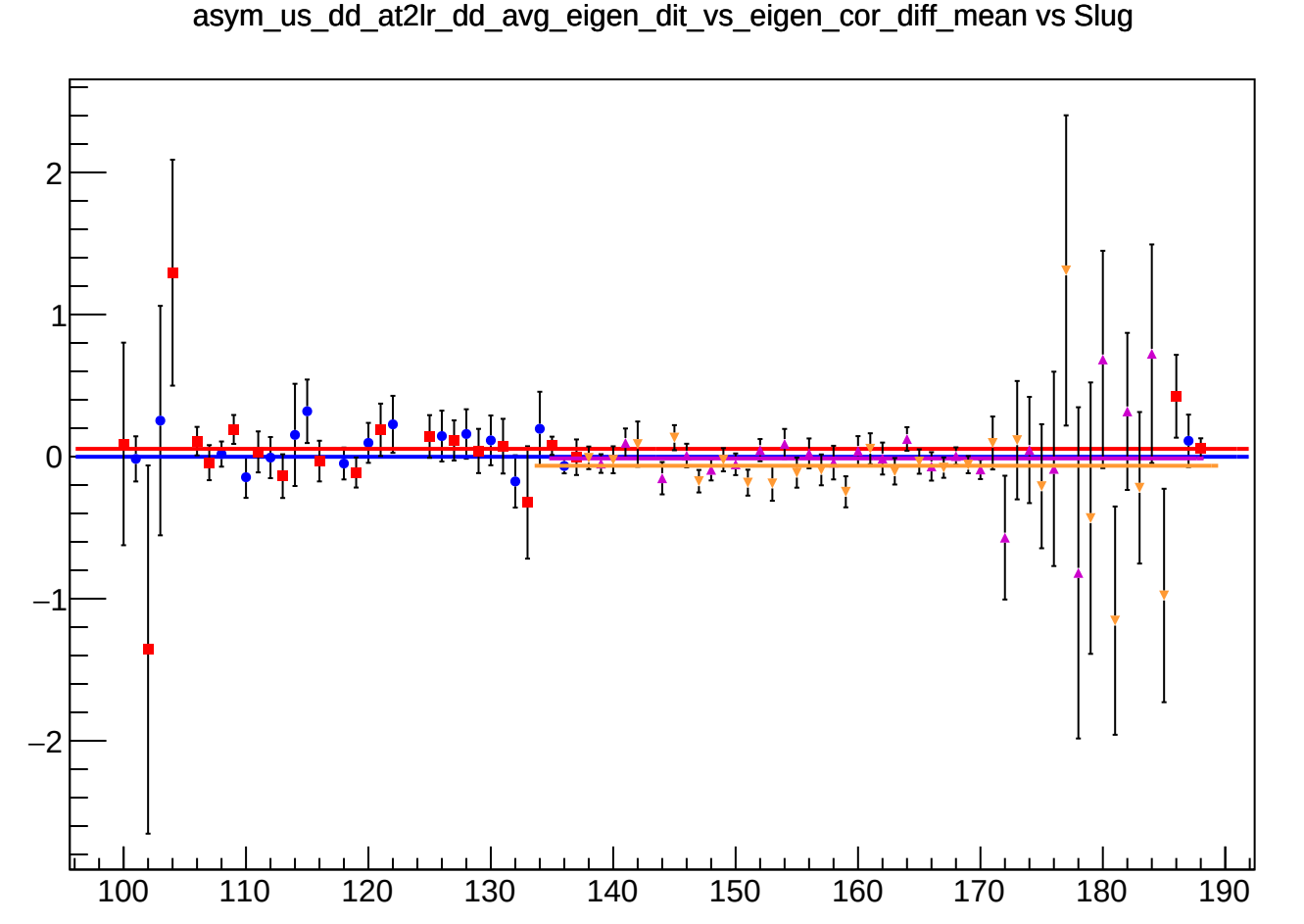
Right Out: 68.968+/-0.020 χ^2/NDF: 3644860.8/19

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 76.174+/-0.013 χ^2/NDF: 11207358.6/40

All: 74.157+/-0.009 χ^2/NDF: 23455702.6/83

- sign 72.380+/-0.012 χ^2/NDF: 12201867.0/42



Right In: -0.001+/-0.032 χ^2/NDF: 10.7/16

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

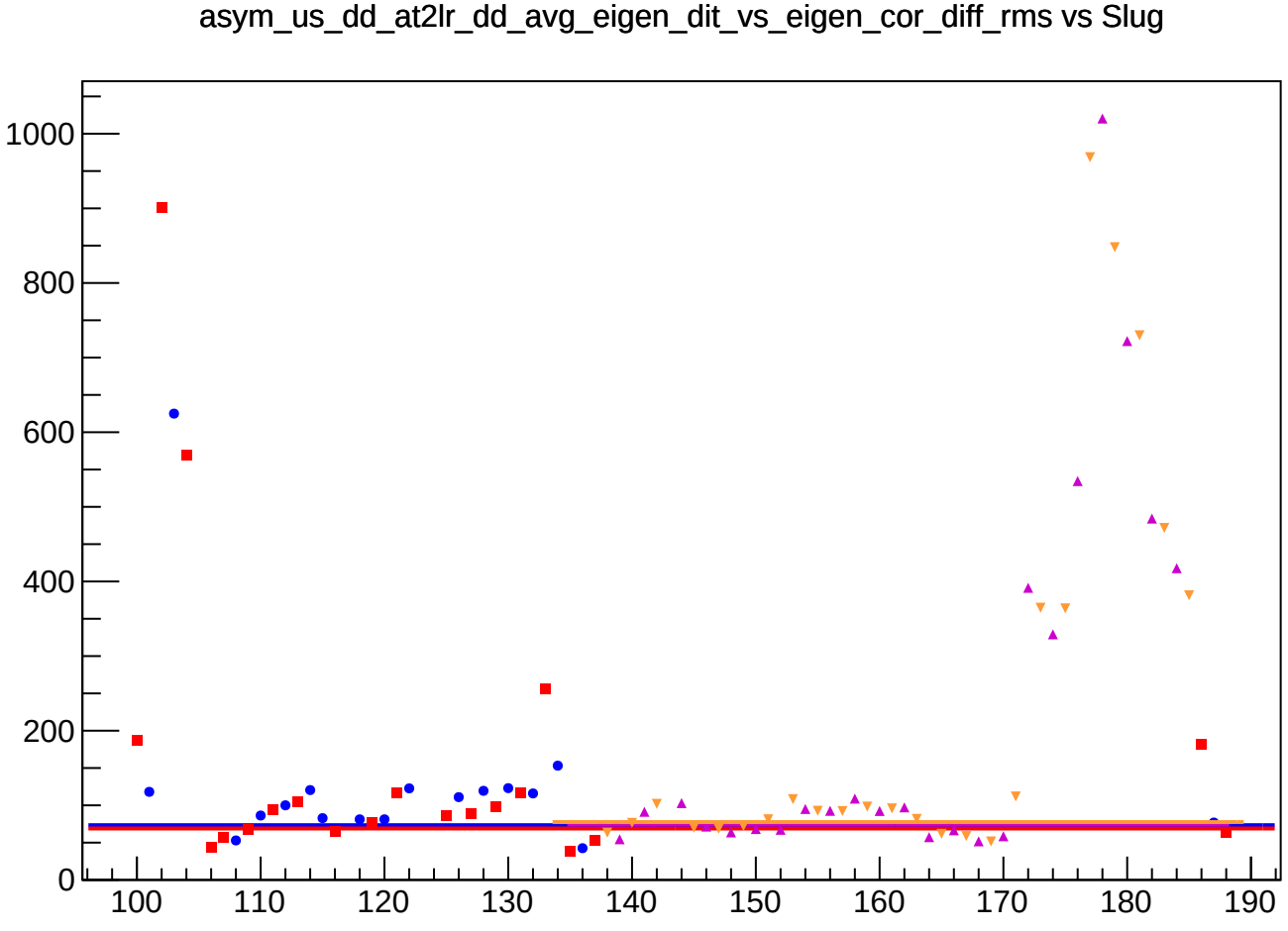
Right Out: 0.055+/-0.029 χ^2/NDF: 14.7/19

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.044+/-0.018 χ^2/NDF: 35.7/40

All: -0.015+/-0.012 χ^2/NDF: 73.8/83

- sign 0.011+/-0.017 χ^2/NDF: 33.3/42



Right In: 73.369+/-0.022 χ^2/NDF: 2853084.3/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

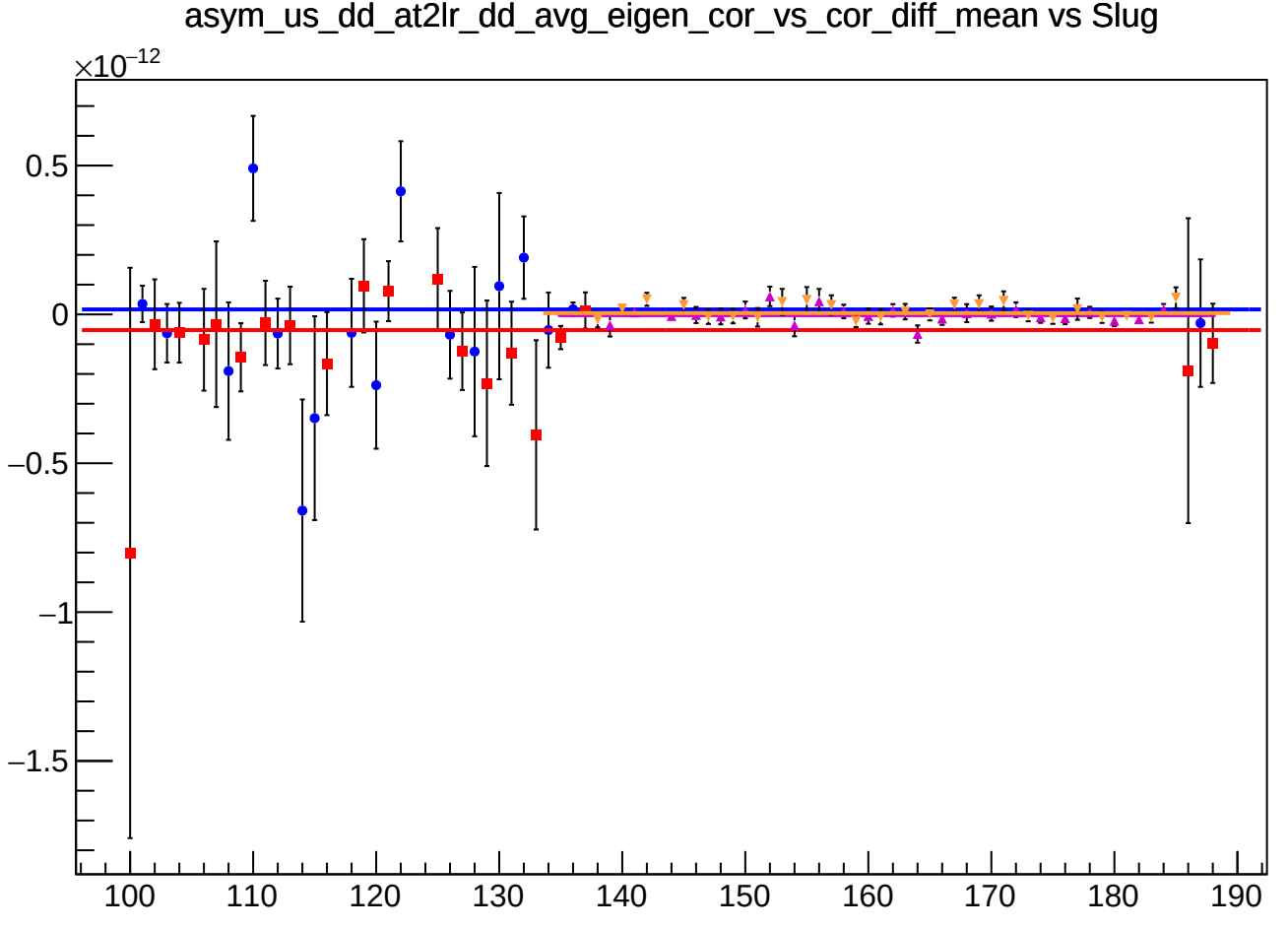
Right Out: 68.968+/-0.020 χ^2/NDF: 3644860.8/19

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 76.174+/-0.013 χ^2/NDF: 11207358.6/40

All: 74.157+/-0.009 χ^2/NDF: 23455702.6/83

- sign 72.380+/-0.012 χ^2/NDF: 12201867.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

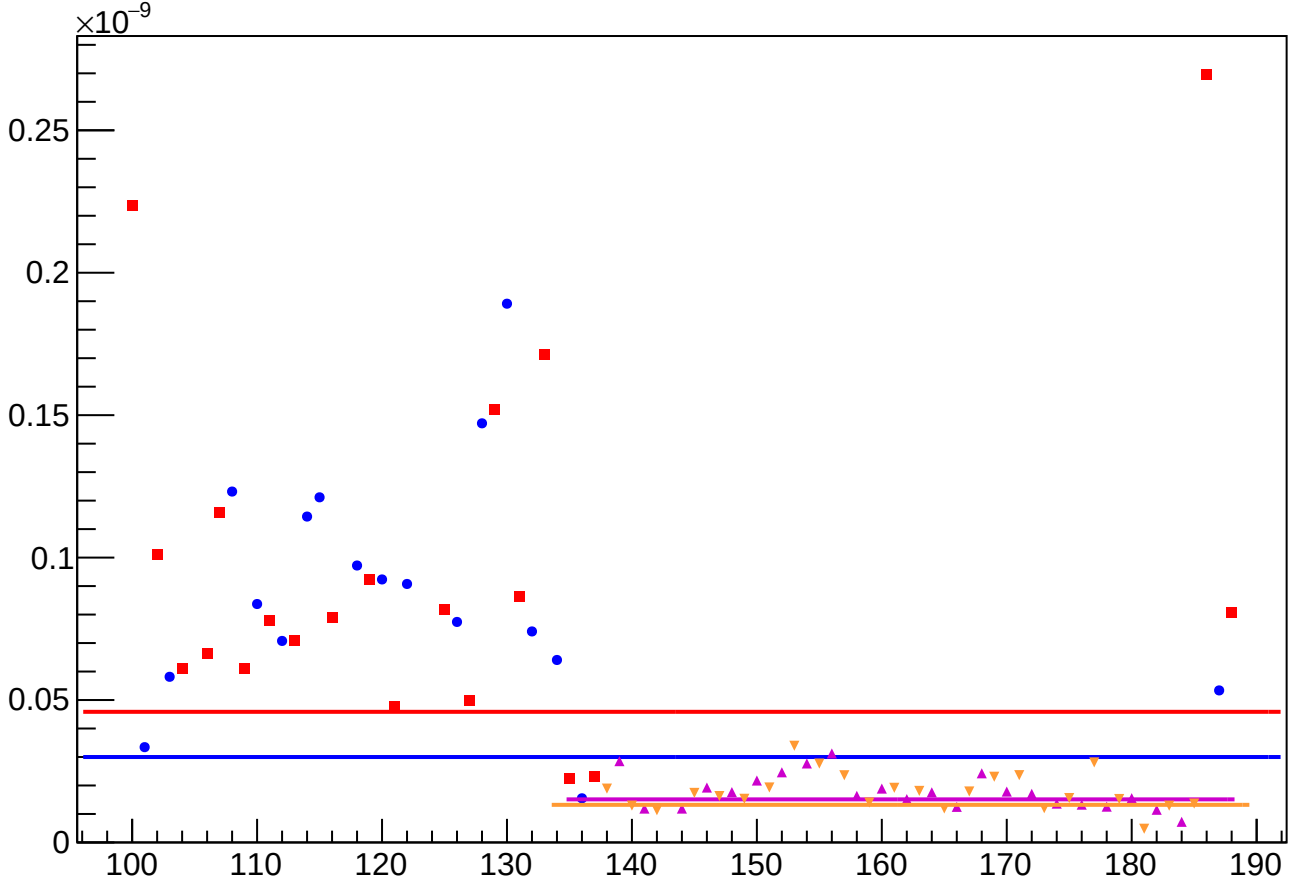
Right Out: -0.000+/-0.000 χ^2/NDF: 9.3/19

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/40

All: 0.000+/-0.000 χ^2/NDF: 78.6/83

- sign -0.000+/-0.000 χ^2/NDF: 30.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 4103836.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3306819.3/19

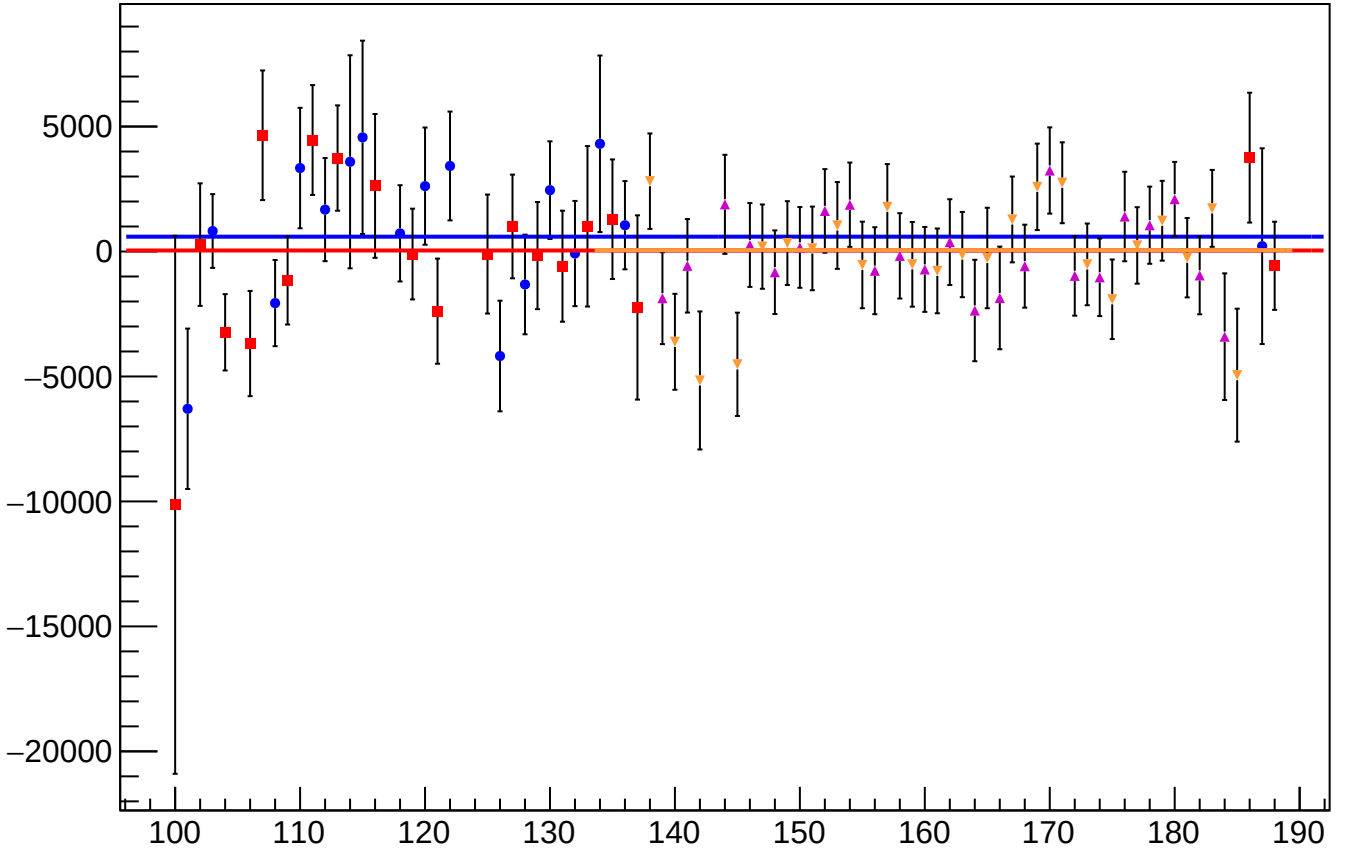
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9786180.0/40

All: 0.000+/-0.000 χ^2/NDF: 18564198.0/83

- sign 0.000+/-0.000 χ^2/NDF: 8529775.2/42

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 592.936+/-534.989 χ^2/NDF: 20.3/16

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 40.309+/-498.318 χ^2/NDF: 24.7/19

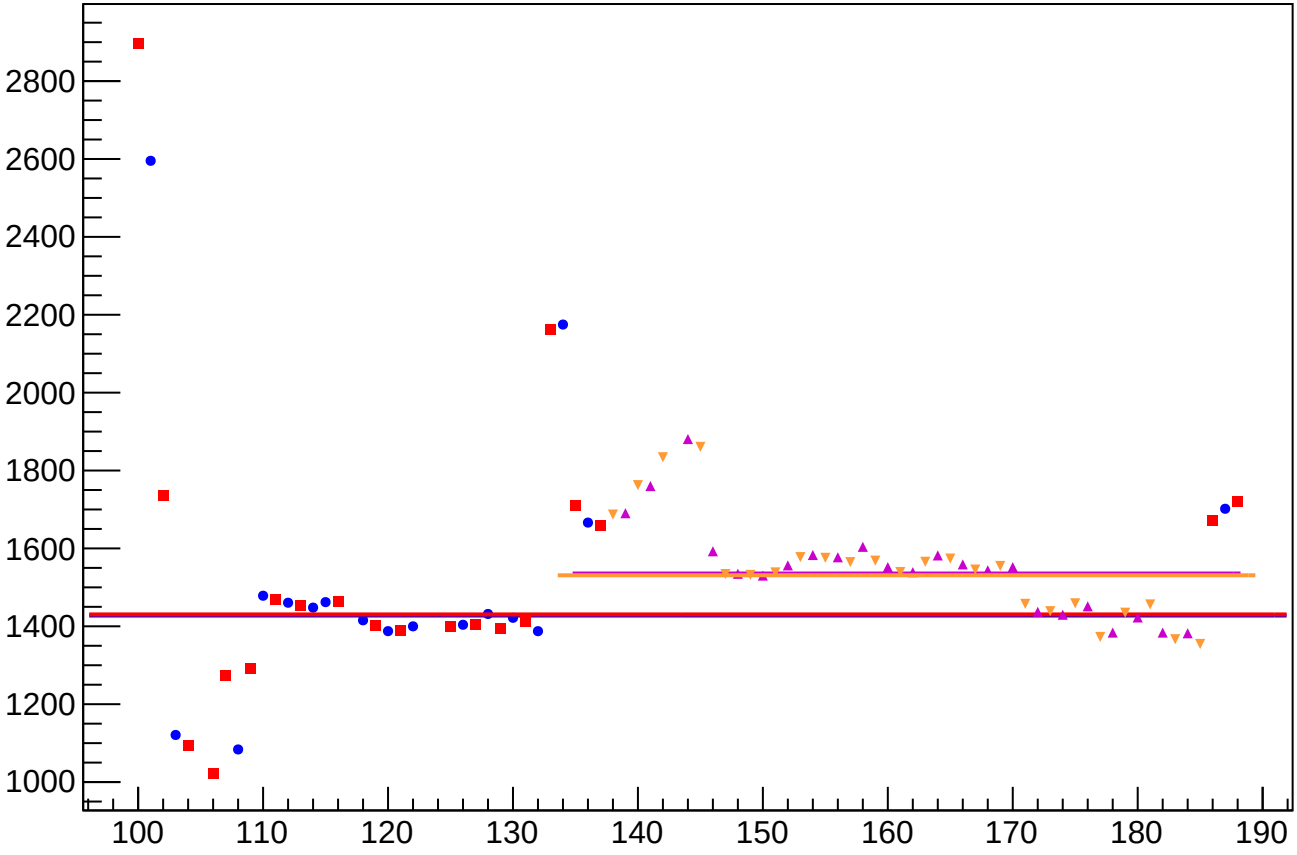
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 220.177+/-296.595 χ^2/NDF: 49.5/40

All: 131.337+/-207.923 χ^2/NDF: 91.2/83

- sign 45.483+/-291.565 χ^2/NDF: 41.5/42

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1427.728+/-0.378 χ^2/NDF: 570243.5/16

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

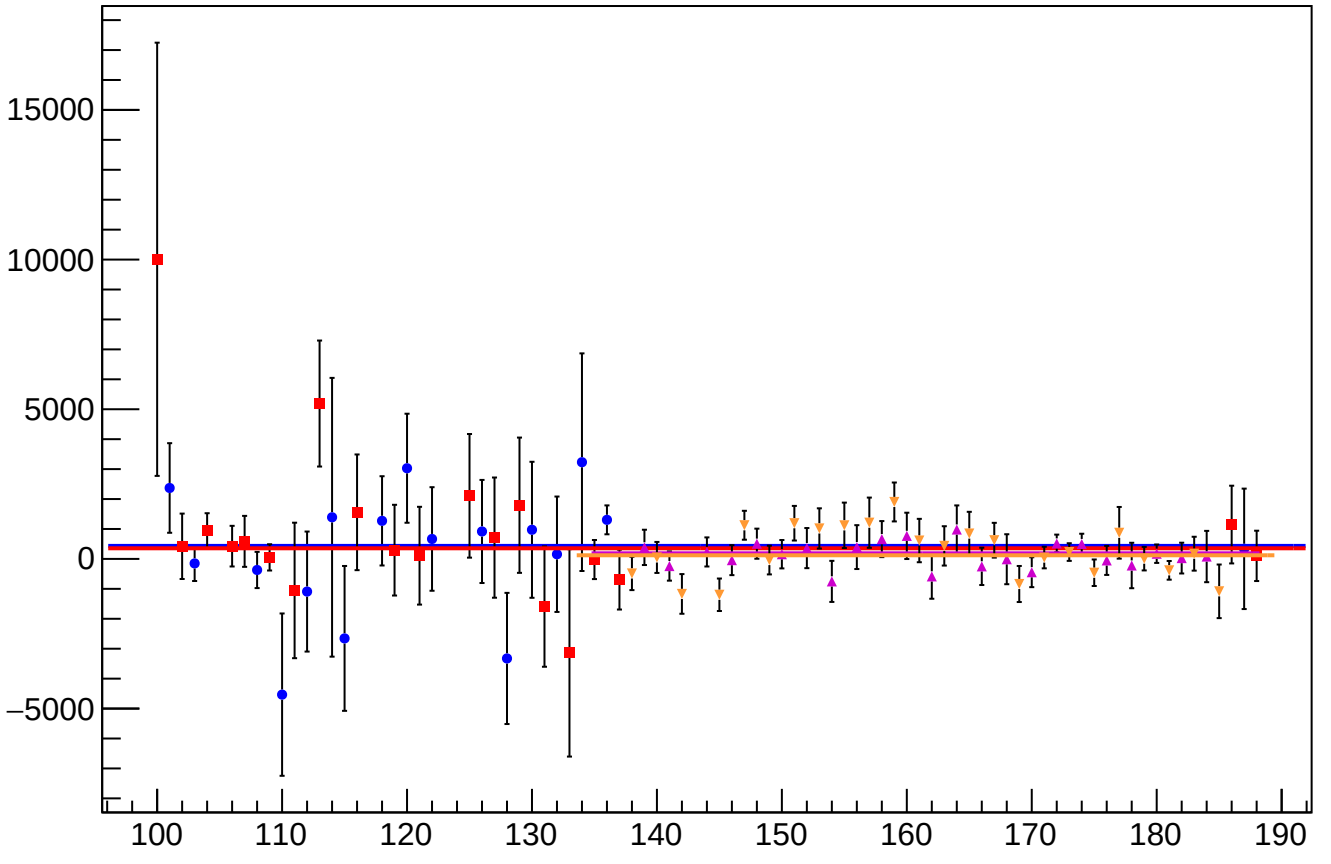
Right Out: 1430.498+/-0.352 χ^2/NDF: 474652.3/19

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1499.242+/-0.210 χ^2/NDF: 825379.2/40

All: 1499.418+/-0.147 χ^2/NDF: 1550921.8/83

- sign 1499.587+/-0.206 χ^2/NDF: 725541.3/42



Right In: 434.664+/-273.358 χ^2/NDF: 19.3/16

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: 354.708+/-221.888 χ^2/NDF: 14.4/19

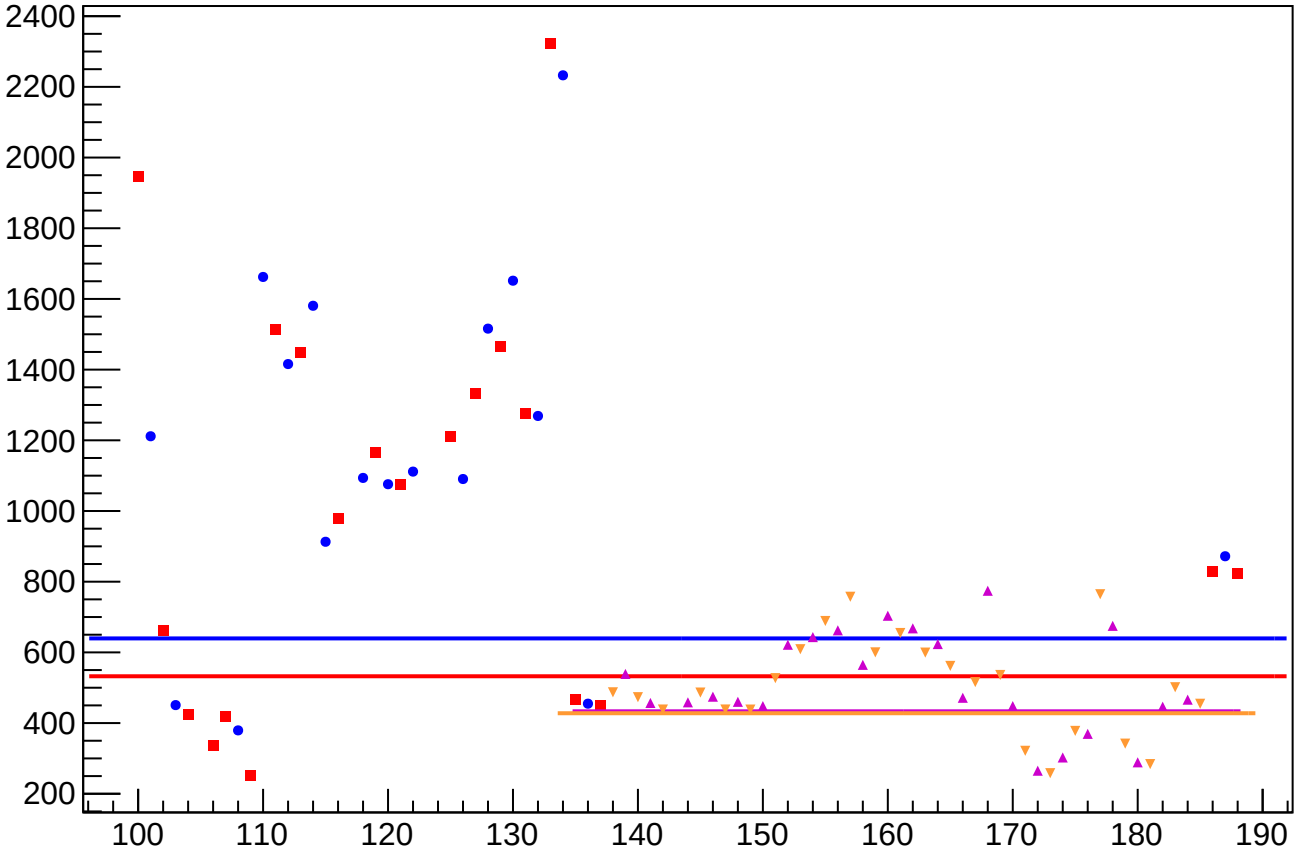
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 161.654+/-98.066 χ^2/NDF: 64.1/40

All: 190.570+/-68.733 χ^2/NDF: 90.8/83

- sign 218.489+/-96.361 χ^2/NDF: 26.4/42

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 639.508+/-0.193 χ^2/NDF: 3779796.5/16

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 532.428+/-0.157 χ^2/NDF: 4692907.5/19

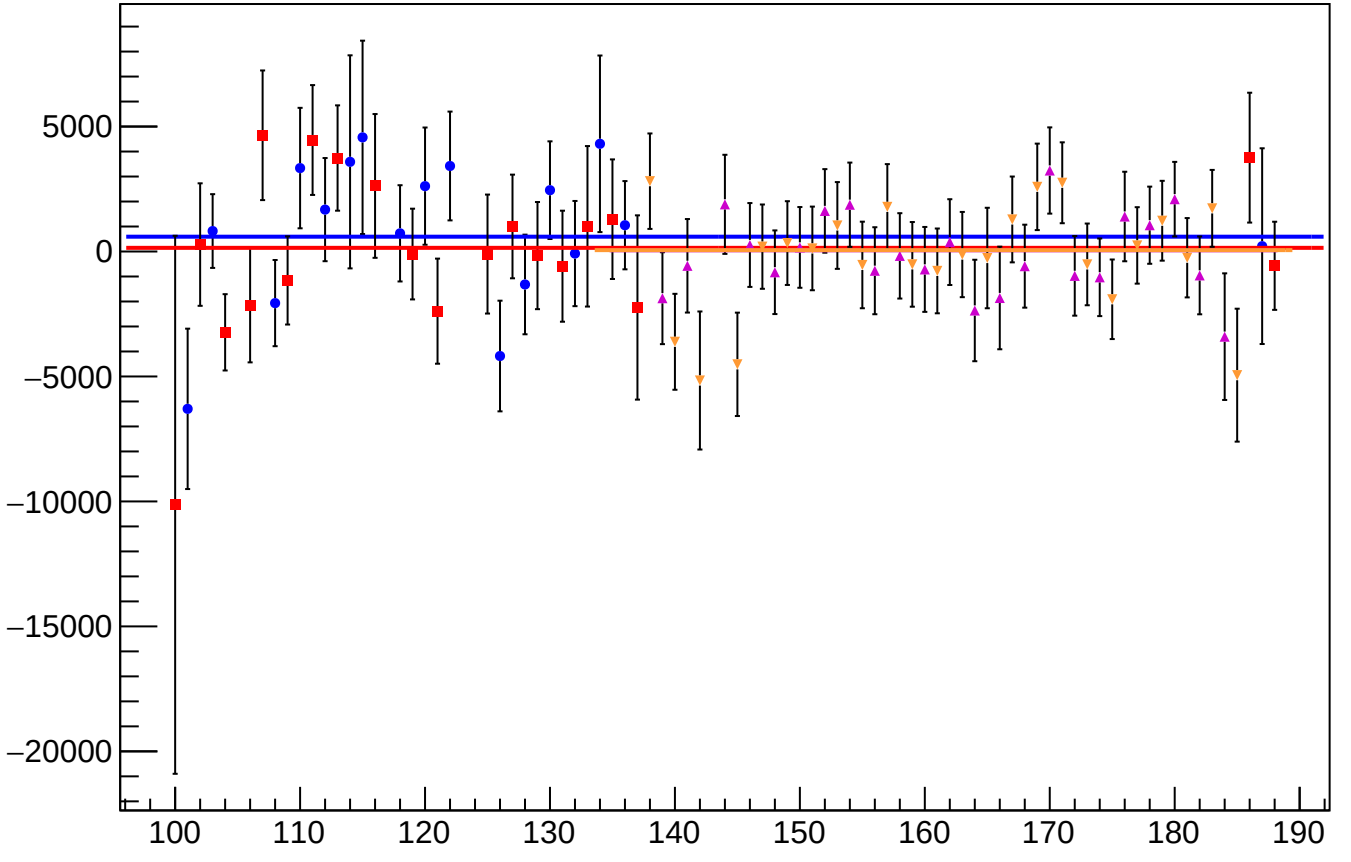
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 455.059+/-0.069 χ^2/NDF: 8013040.7/40

All: 453.494+/-0.049 χ^2/NDF: 16278944.6/83

- sign 451.982+/-0.068 χ^2/NDF: 8264901.8/42

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 592.820+/-534.989 χ^2/NDF: 20.3/16

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 146.561+/-500.492 χ^2/NDF: 22.5/19

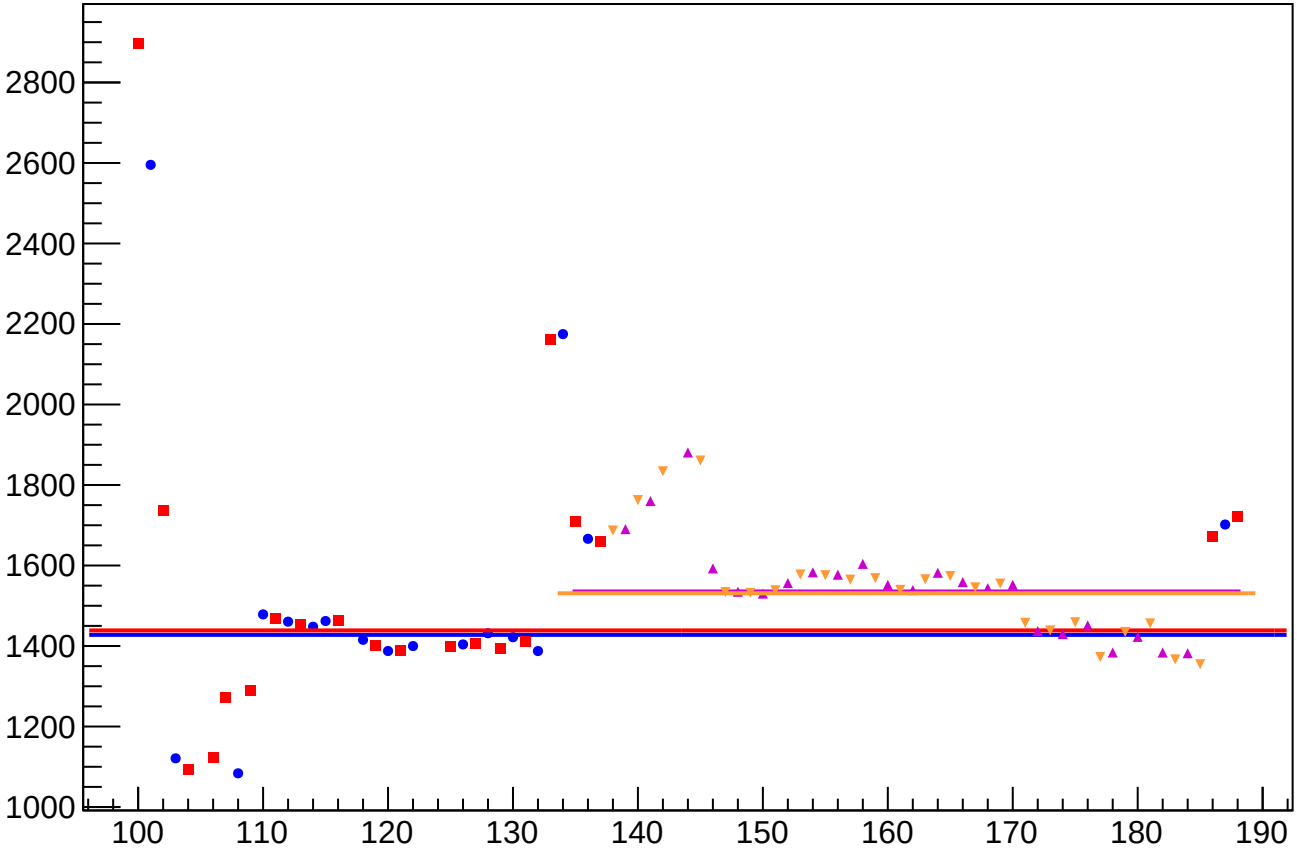
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 220.116+/-296.595 χ^2/NDF: 49.5/40

All: 149.836+/-208.080 χ^2/NDF: 88.9/83

- sign 81.717+/-291.999 χ^2/NDF: 39.3/42

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1427.728+/-0.378 χ^2/NDF: 570243.7/16

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

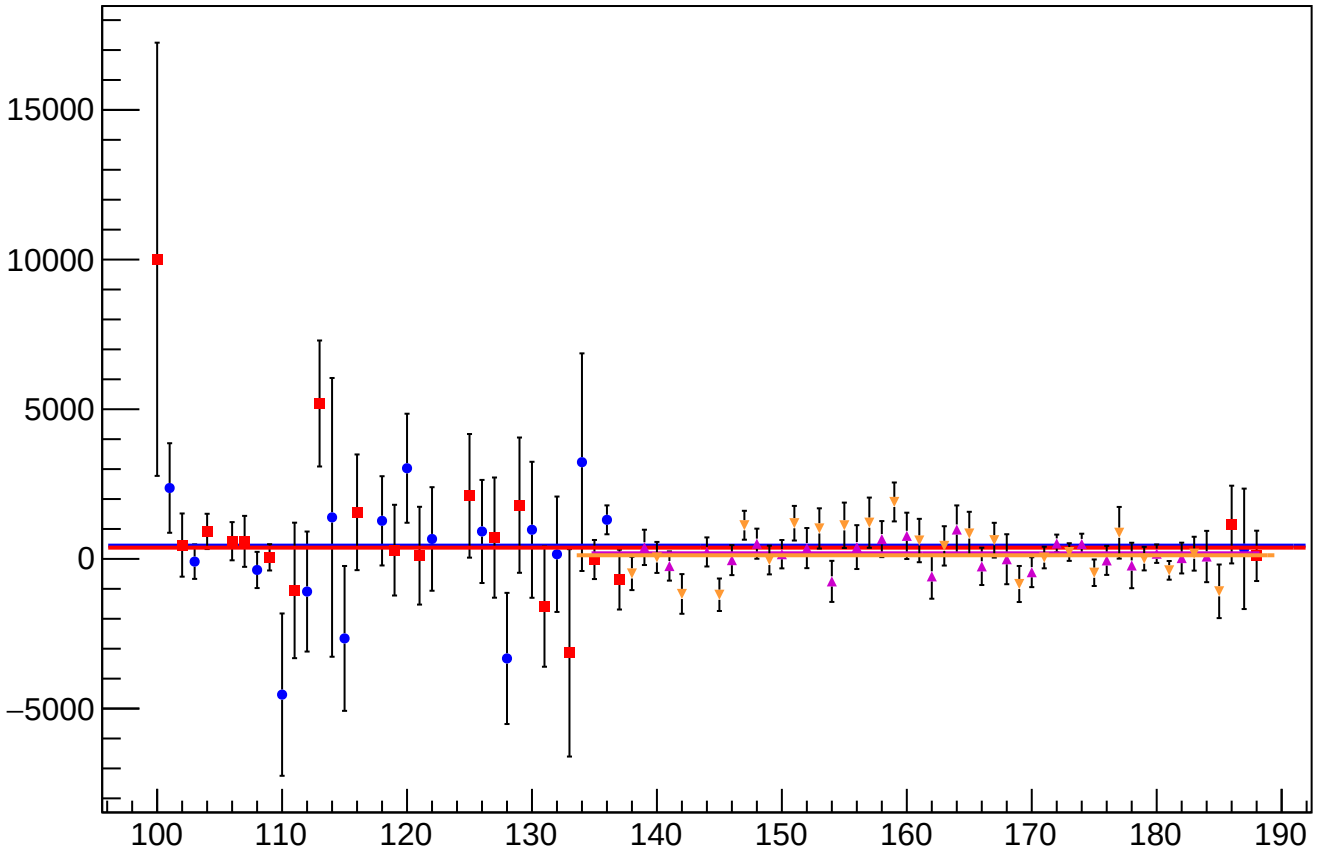
Right Out: 1438.800+/-0.354 χ^2/NDF: 435402.8/19

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1499.242+/-0.210 χ^2/NDF: 825379.5/40

All: 1500.957+/-0.147 χ^2/NDF: 1502645.5/83

- sign 1502.618+/-0.206 χ^2/NDF: 677134.4/42



Right In: 443.134+/-272.210 χ^2/NDF: 19.2/16

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

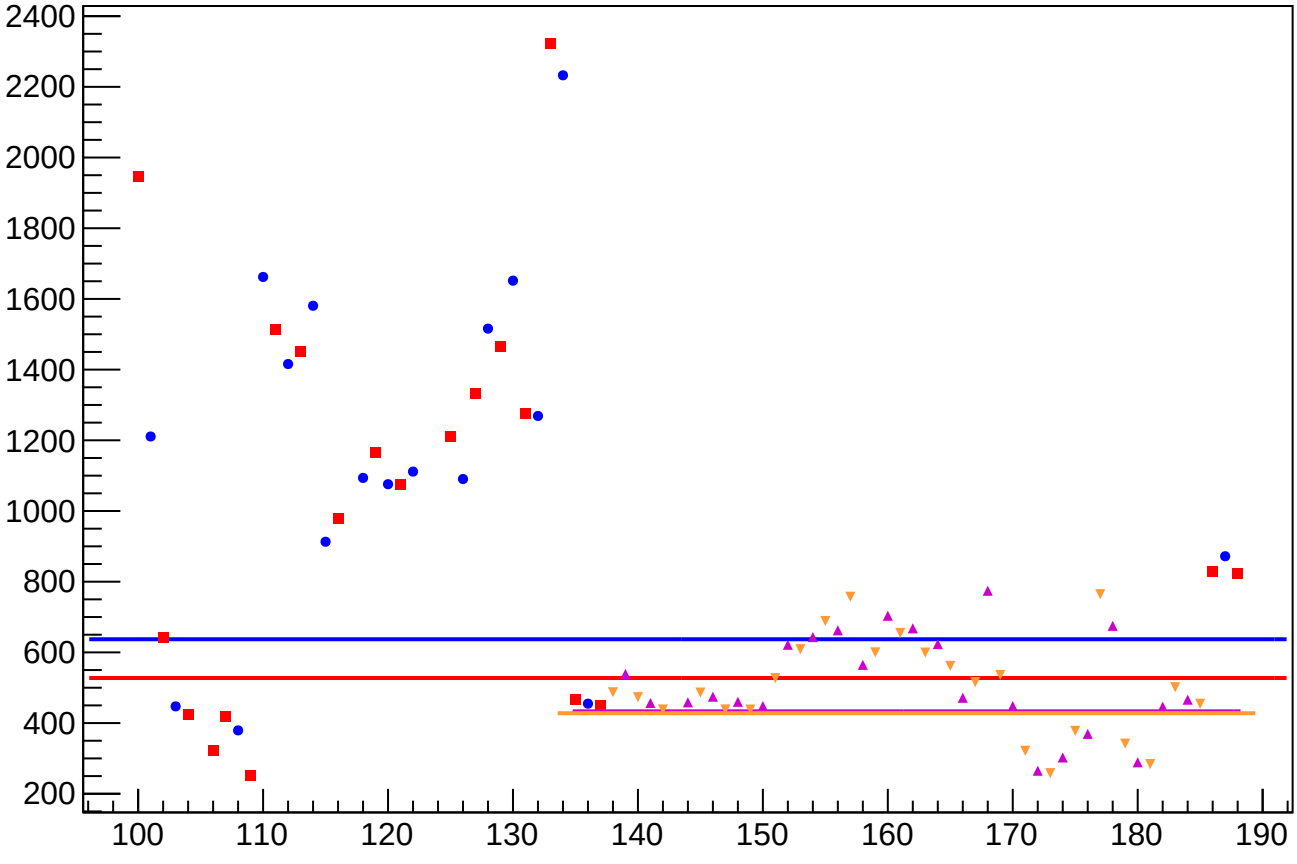
Right Out: 376.237+/-219.839 χ^2/NDF: 14.5/19

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 163.047+/-98.013 χ^2/NDF: 64.1/40

All: 193.718+/-68.653 χ^2/NDF: 90.9/83

- sign 223.260+/-96.191 χ^2/NDF: 26.7/42



Right In: 637.133+/-0.192 χ^2/NDF: 3795496.8/16

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

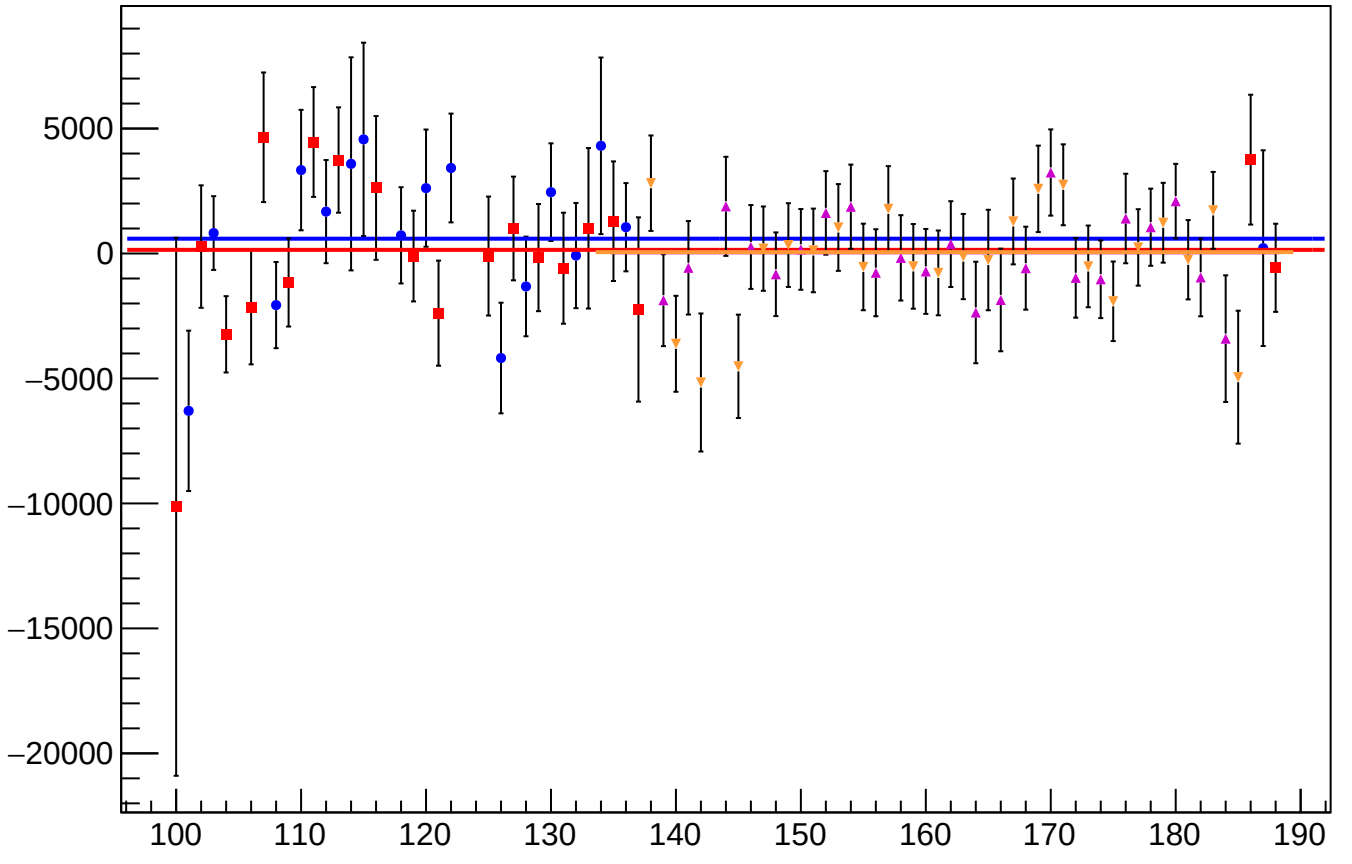
Right Out: 527.456+/-0.155 χ^2/NDF: 4733628.5/19

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 454.952+/-0.069 χ^2/NDF: 8013170.2/40

All: 453.099+/-0.049 χ^2/NDF: 16292802.2/83

- sign 451.314+/-0.068 χ^2/NDF: 8278229.0/42



Right In: 592.820+/-534.989 χ^2/NDF: 20.3/16

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 146.561+/-500.492 χ^2/NDF: 22.5/19

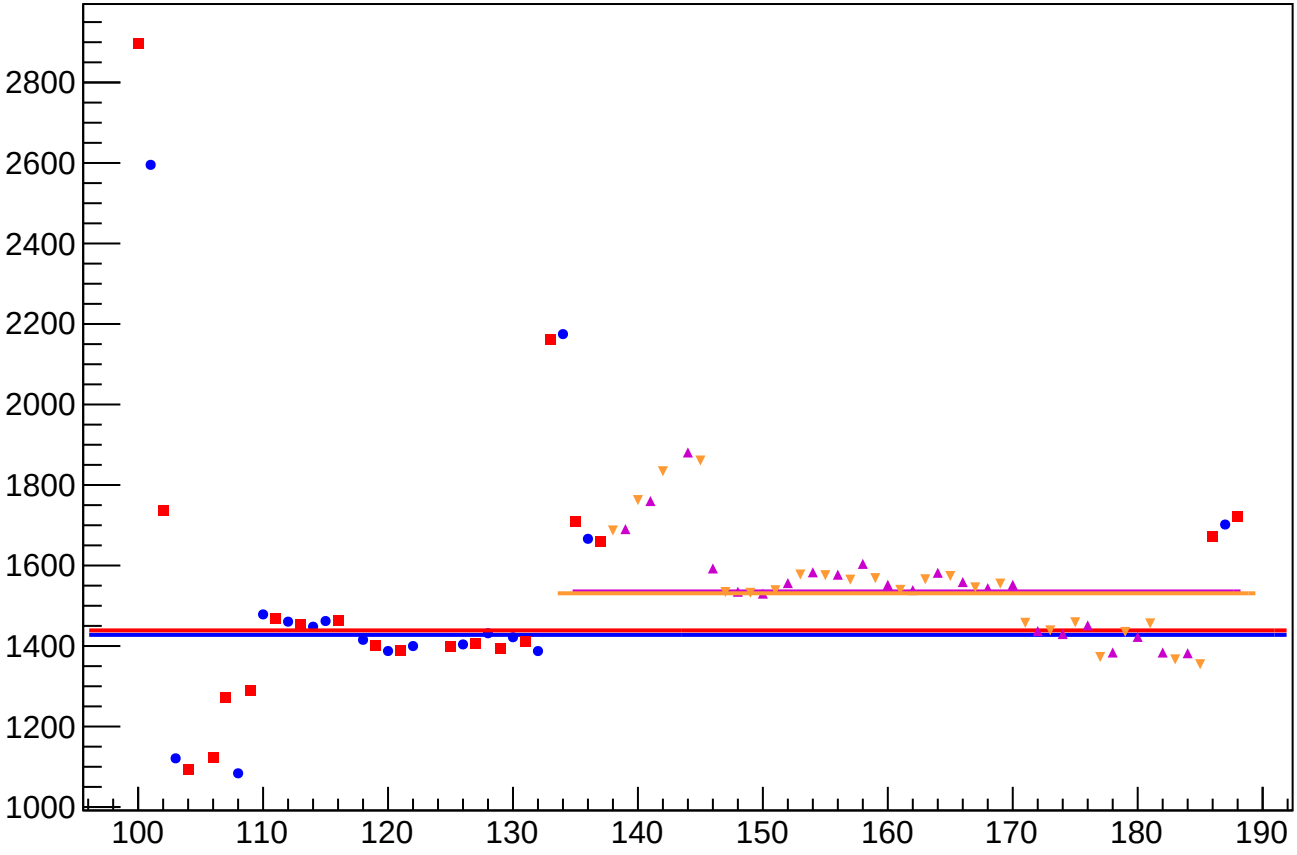
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 220.116+/-296.595 χ^2/NDF: 49.5/40

All: 149.836+/-208.080 χ^2/NDF: 88.9/83

- sign 81.717+/-291.999 χ^2/NDF: 39.3/42

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1427.728+/-0.378 χ^2/NDF: 570243.7/16

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

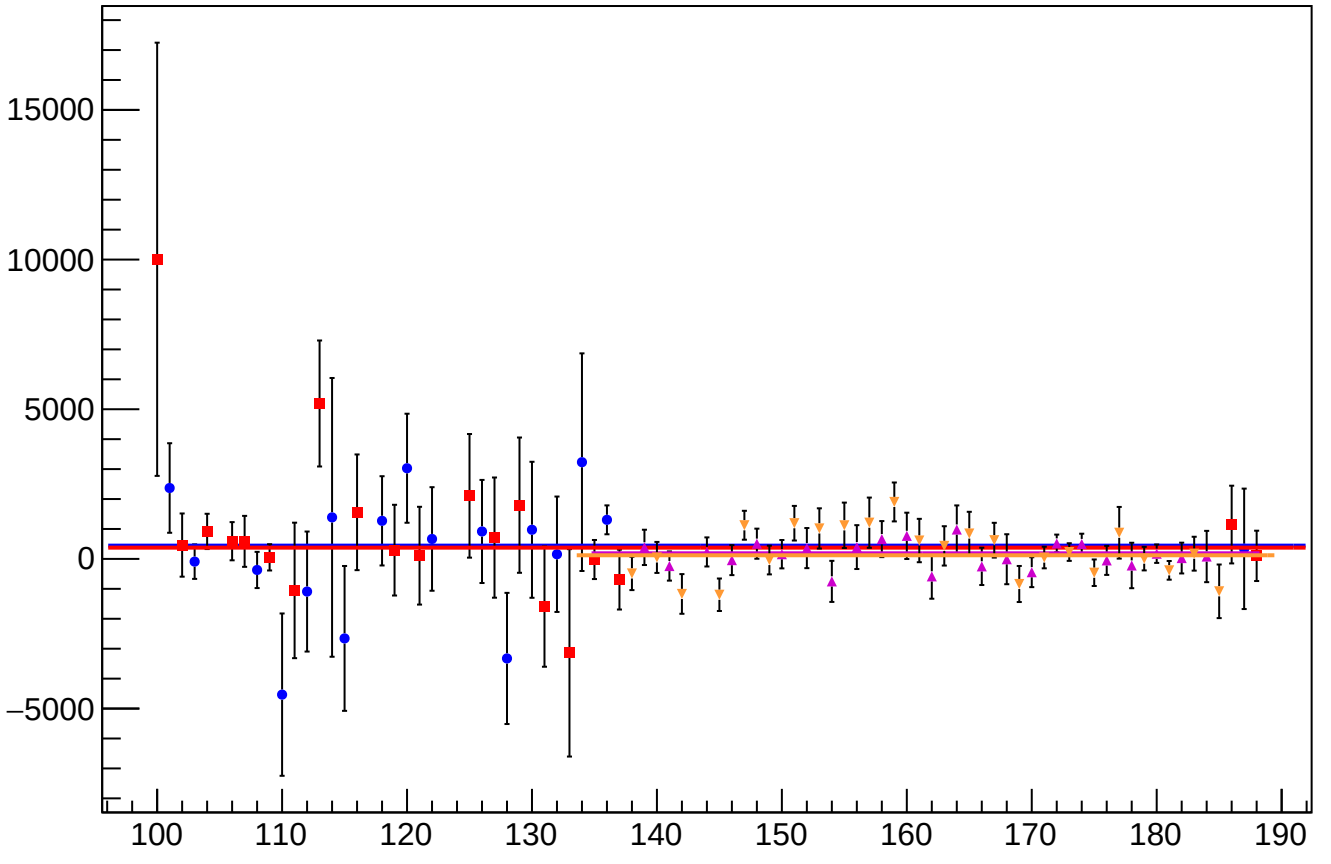
Right Out: 1438.800+/-0.354 χ^2/NDF: 435402.8/19

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1499.242+/-0.210 χ^2/NDF: 825379.5/40

All: 1500.957+/-0.147 χ^2/NDF: 1502645.5/83

- sign 1502.618+/-0.206 χ^2/NDF: 677134.4/42



Right In: 443.134+/-272.210 χ^2/NDF: 19.2/16

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

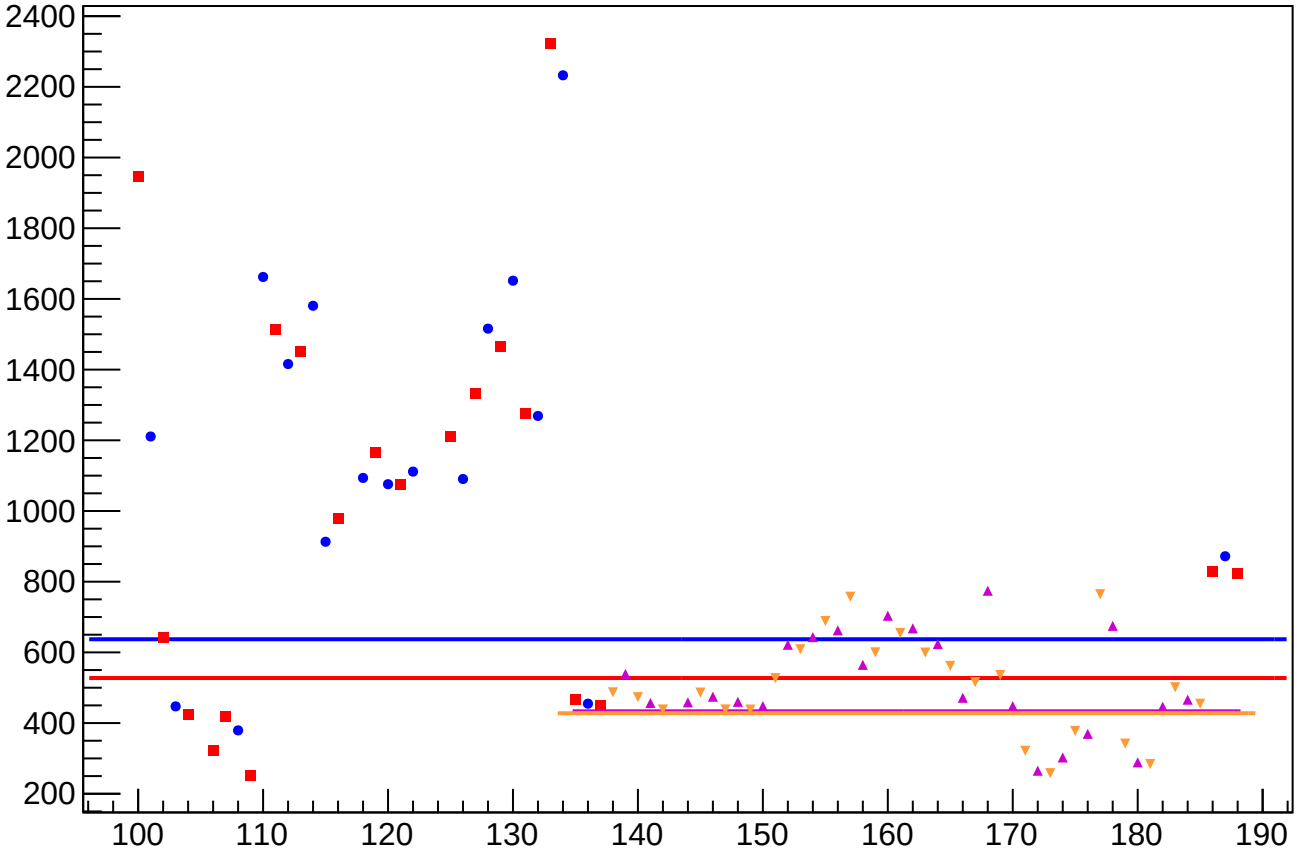
Right Out: 376.237+/-219.839 χ^2/NDF: 14.5/19

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

\+ sign 163.047+/-98.013 χ^2/NDF: 64.1/40

All: 193.718+/-68.653 χ^2/NDF: 90.9/83

\- sign 223.260+/-96.191 χ^2/NDF: 26.7/42



Right In: 637.133+/-0.192 χ^2/NDF: 3795496.8/16

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 527.456+/-0.155 χ^2/NDF: 4733628.5/19

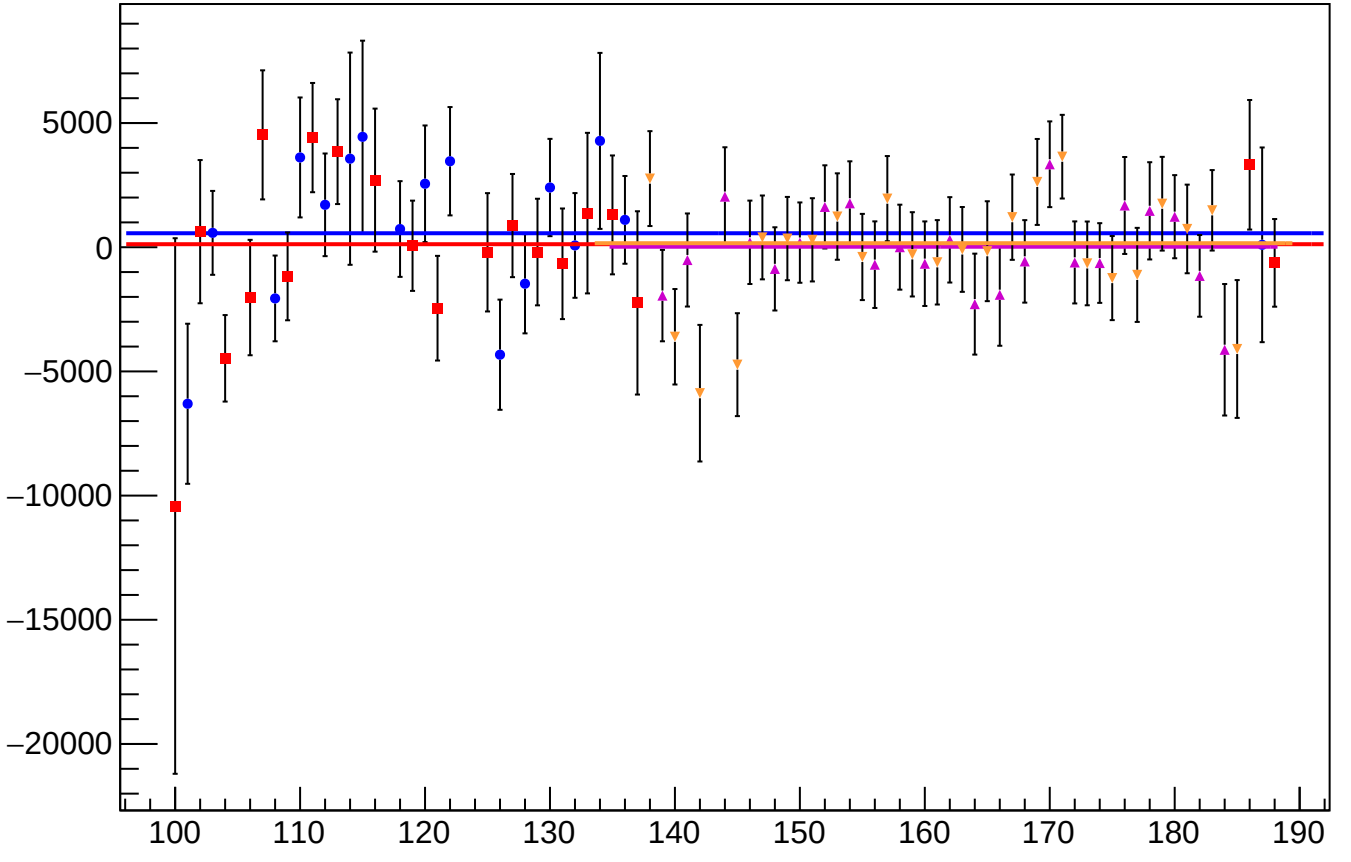
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 454.952+/-0.069 χ^2/NDF: 8013170.2/40

All: 453.099+/-0.049 χ^2/NDF: 16292802.2/83

- sign 451.314+/-0.068 χ^2/NDF: 8278229.0/42

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 563.120+/-544.312 χ^2/NDF: 20.8/16

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 121.784+/-510.944 χ^2/NDF: 24.2/19

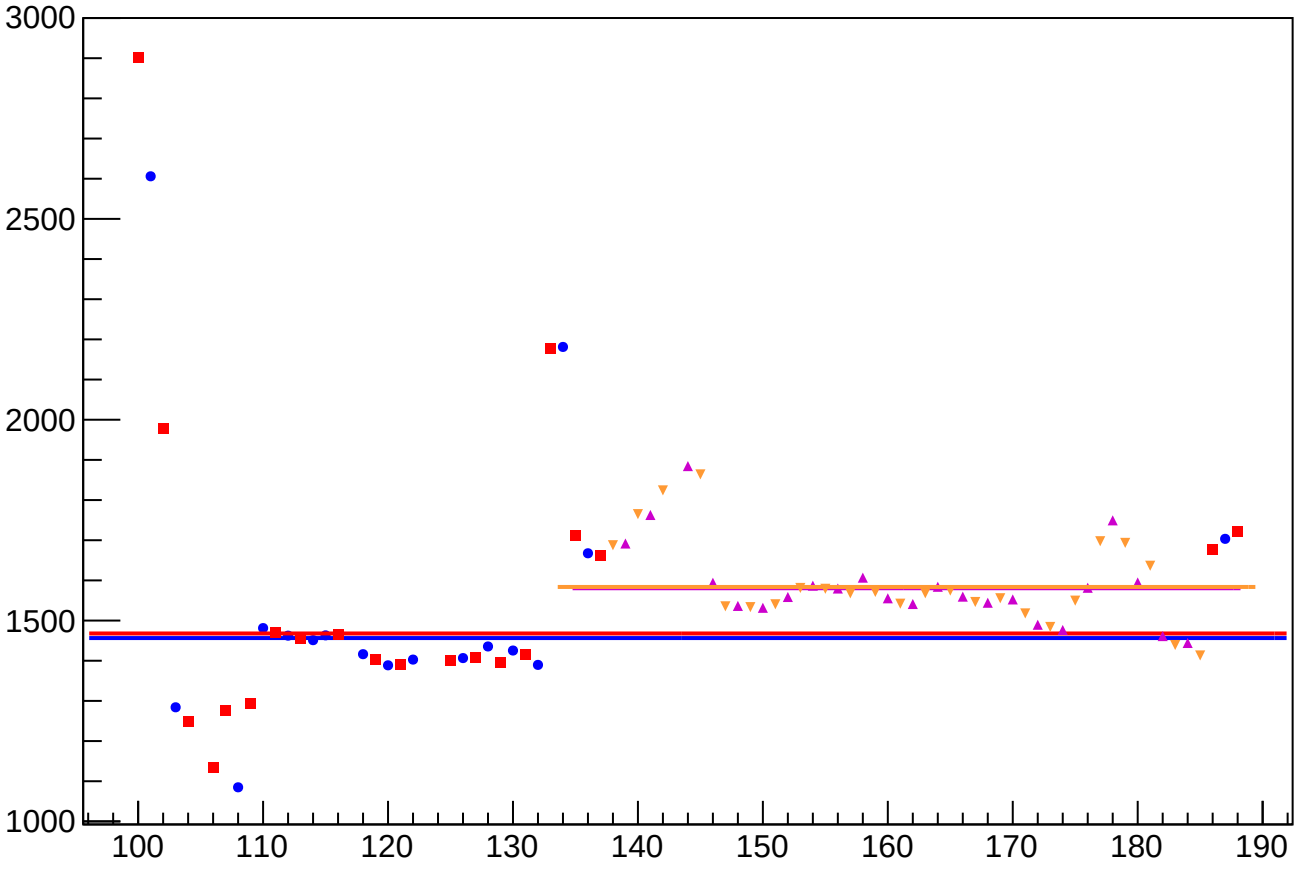
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 287.722+/-305.071 χ^2/NDF: 51.1/40

All: 169.318+/-213.743 χ^2/NDF: 91.6/83

- sign 55.152+/-299.560 χ^2/NDF: 40.2/42

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1456.437+/-0.385 χ^2/NDF: 495936.7/16

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

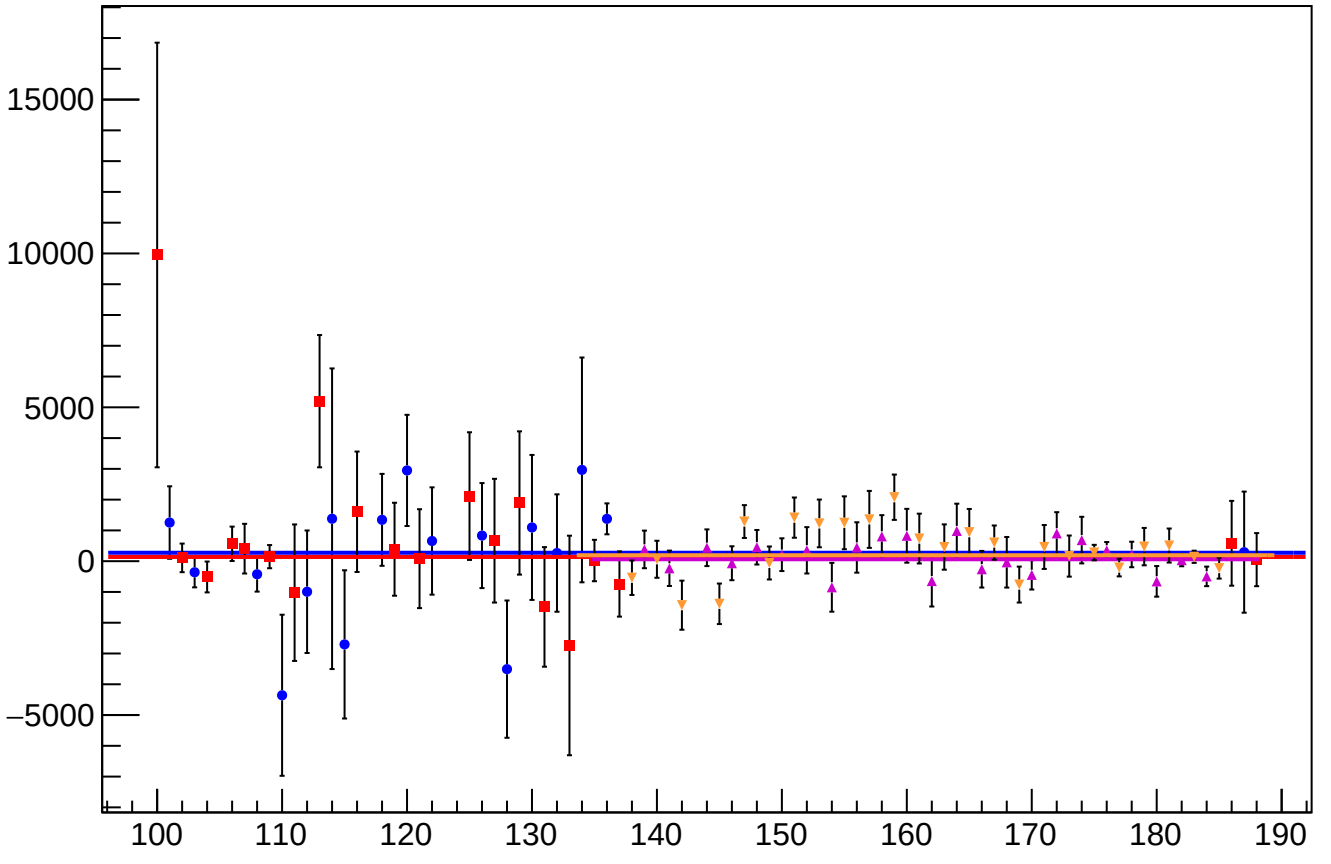
Right Out: 1467.853+/-0.361 χ^2/NDF: 390867.6/19

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1543.705+/-0.216 χ^2/NDF: 704474.9/40

All: 1542.712+/-0.151 χ^2/NDF: 1284886.8/83

- sign 1541.756+/-0.212 χ^2/NDF: 580370.3/42



Right In: 273.784+/-258.283 χ^2/NDF: 20.2/16

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

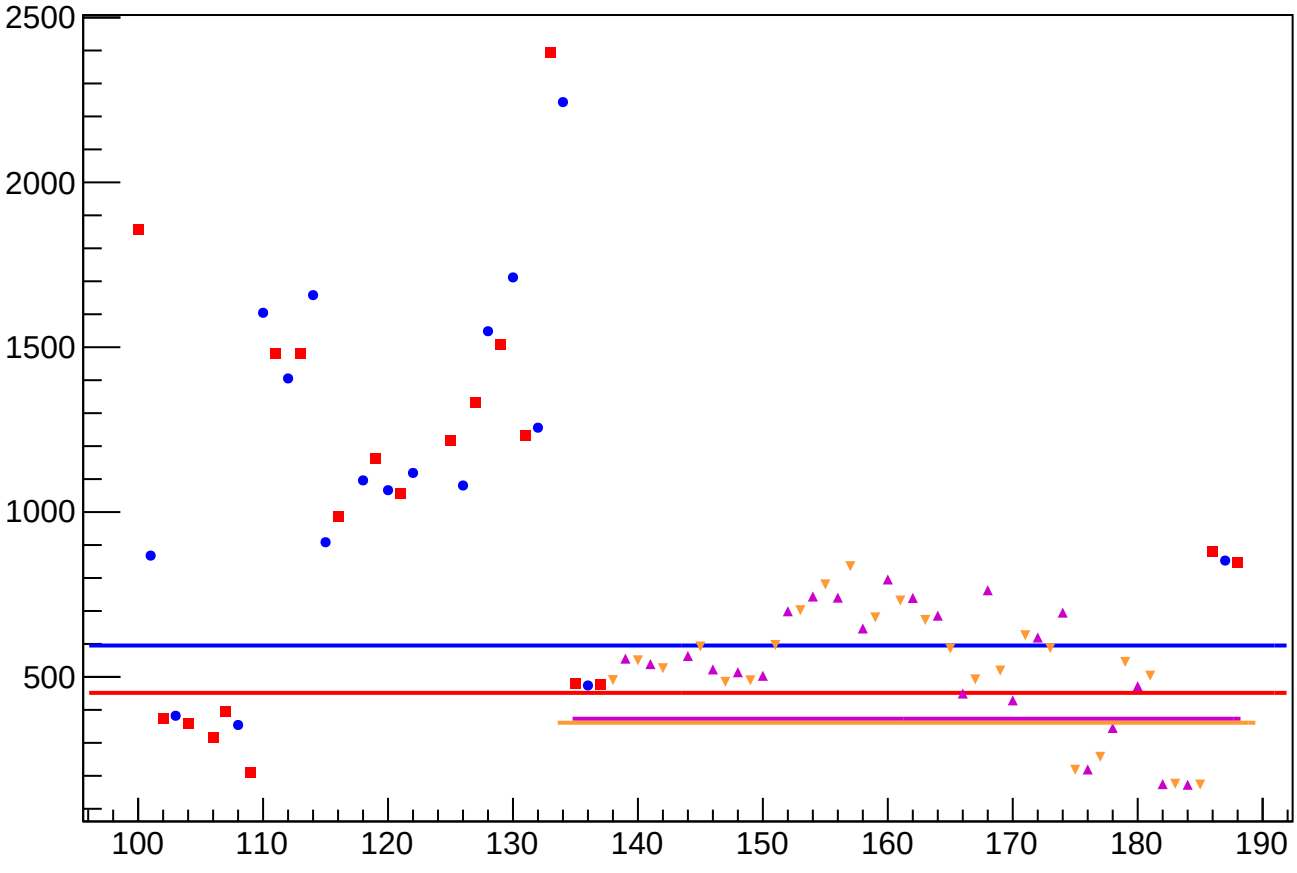
Right Out: 137.070+/-189.256 χ^2/NDF: 14.5/19

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 203.056+/-89.898 χ^2/NDF: 60.4/40

All: 139.583+/-62.966 χ^2/NDF: 93.0/83

- sign 78.455+/-88.221 χ^2/NDF: 31.7/42



Right In: 595.264+/-0.183 χ^2/NDF: 3920369.5/16

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

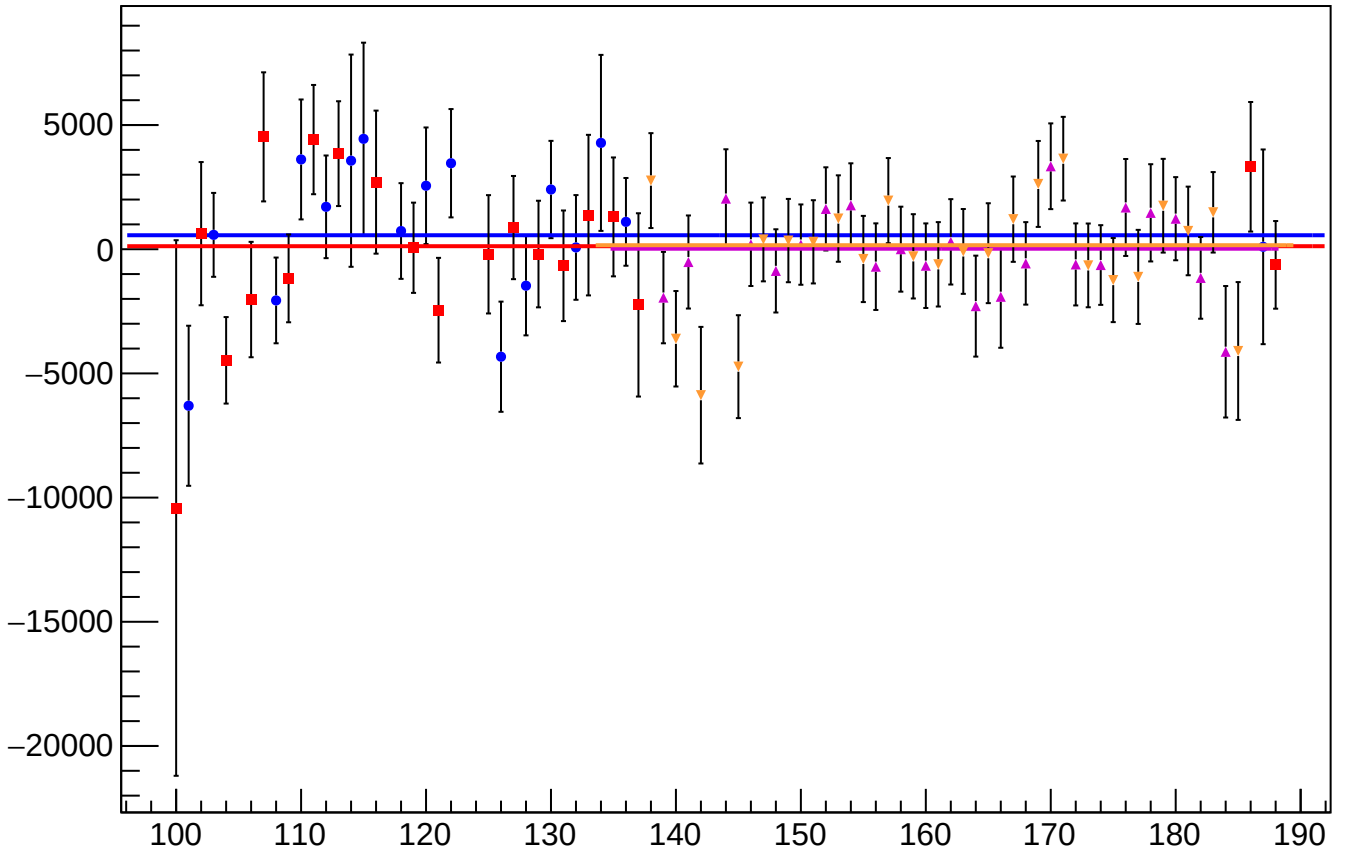
Right Out: 451.619+/-0.134 χ^2/NDF: 5512461.3/19

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 389.467+/-0.064 χ^2/NDF: 13548258.4/40

All: 389.837+/-0.045 χ^2/NDF: 27537319.3/83

- sign 390.193+/-0.062 χ^2/NDF: 13988994.5/42



Right In: 563.121+/-544.312 χ^2/NDF: 20.8/16

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 121.783+/-510.944 χ^2/NDF: 24.2/19

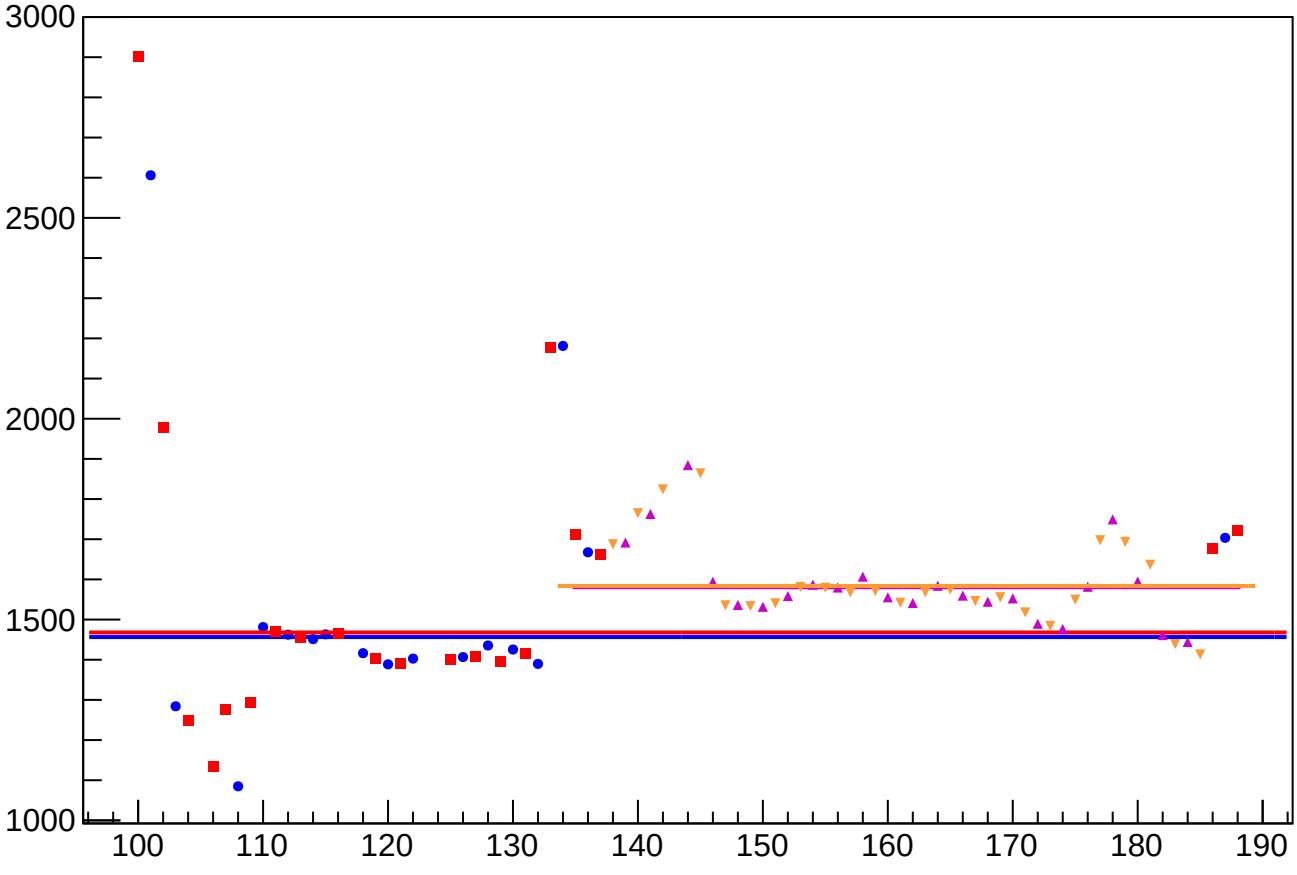
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 287.720+/-305.071 χ^2/NDF: 51.1/40

All: 169.316+/-213.743 χ^2/NDF: 91.6/83

- sign 55.150+/-299.560 χ^2/NDF: 40.2/42

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1456.437+/-0.385 χ^2/NDF: 495936.2/16

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

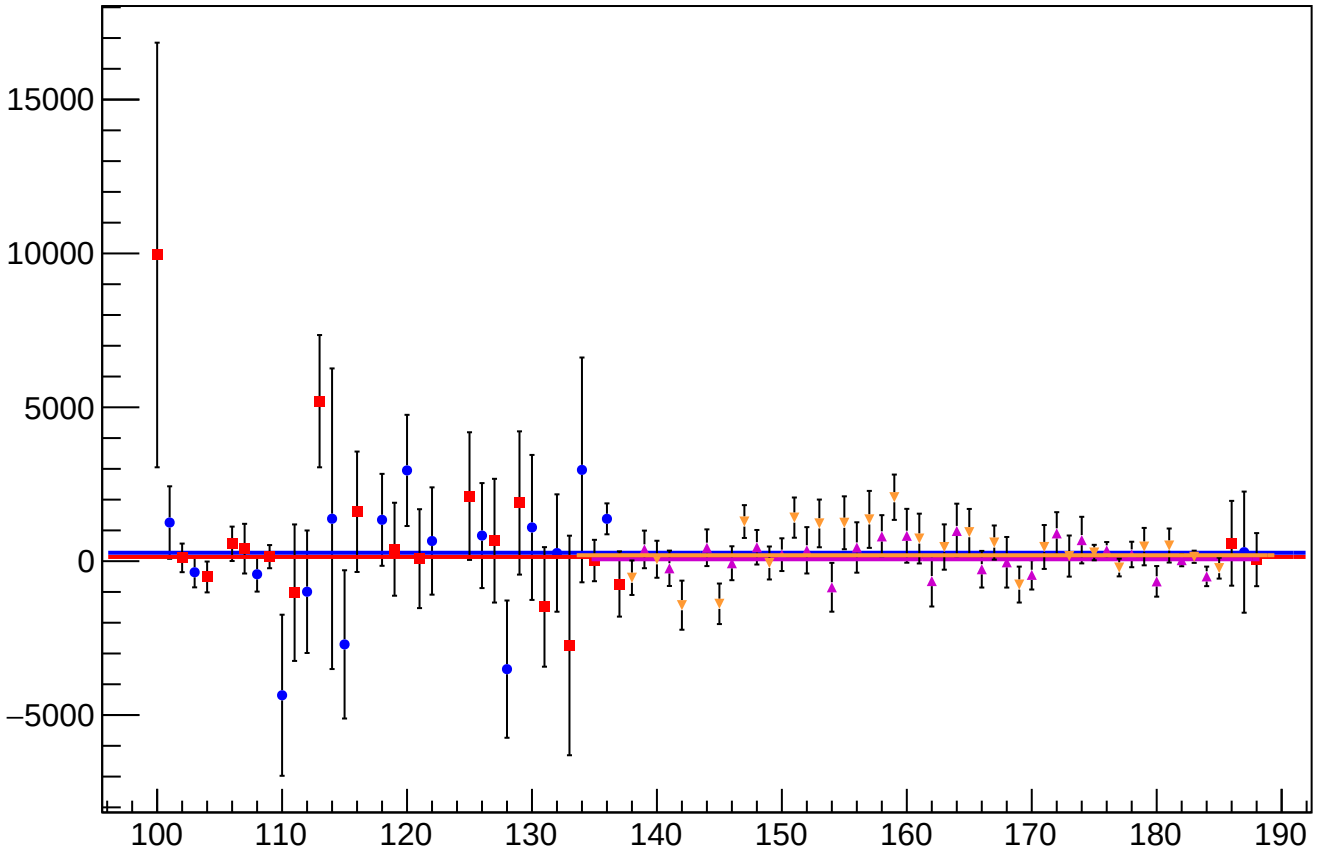
Right Out: 1467.853+/-0.361 χ^2/NDF: 390867.8/19

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1543.704+/-0.216 χ^2/NDF: 704474.4/40

All: 1542.712+/-0.151 χ^2/NDF: 1284886.2/83

- sign 1541.756+/-0.212 χ^2/NDF: 580370.2/42



Right In: 273.774+/-258.283 χ^2/NDF: 20.2/16

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: 137.066+/-189.258 χ^2/NDF: 14.5/19

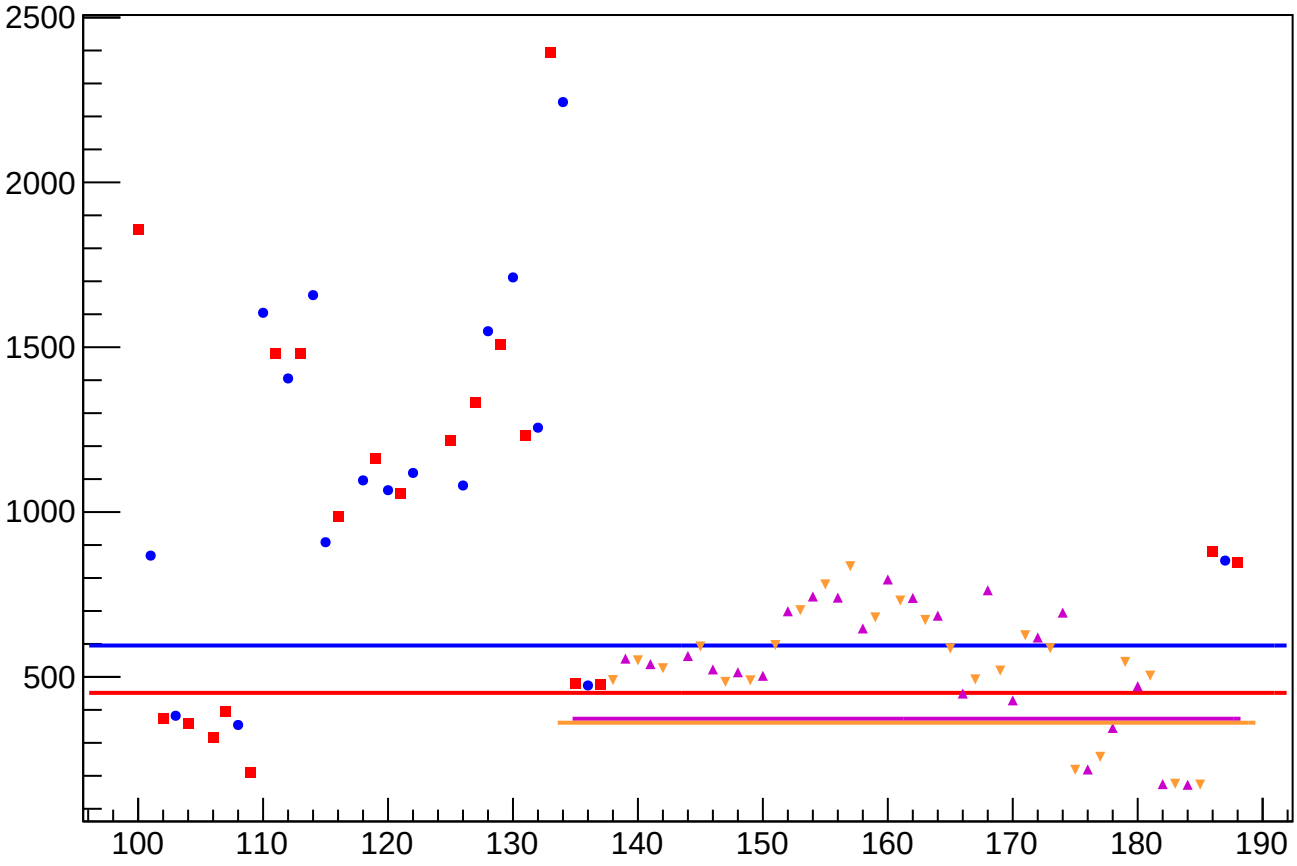
Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 203.060+/-89.898 χ^2/NDF: 60.4/40

All: 139.583+/-62.966 χ^2/NDF: 93.0/83

- sign 78.452+/-88.221 χ^2/NDF: 31.7/42

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 595.262+/-0.183 χ^2/NDF: 3920403.3/16

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 451.625+/-0.134 χ^2/NDF: 5512386.8/19

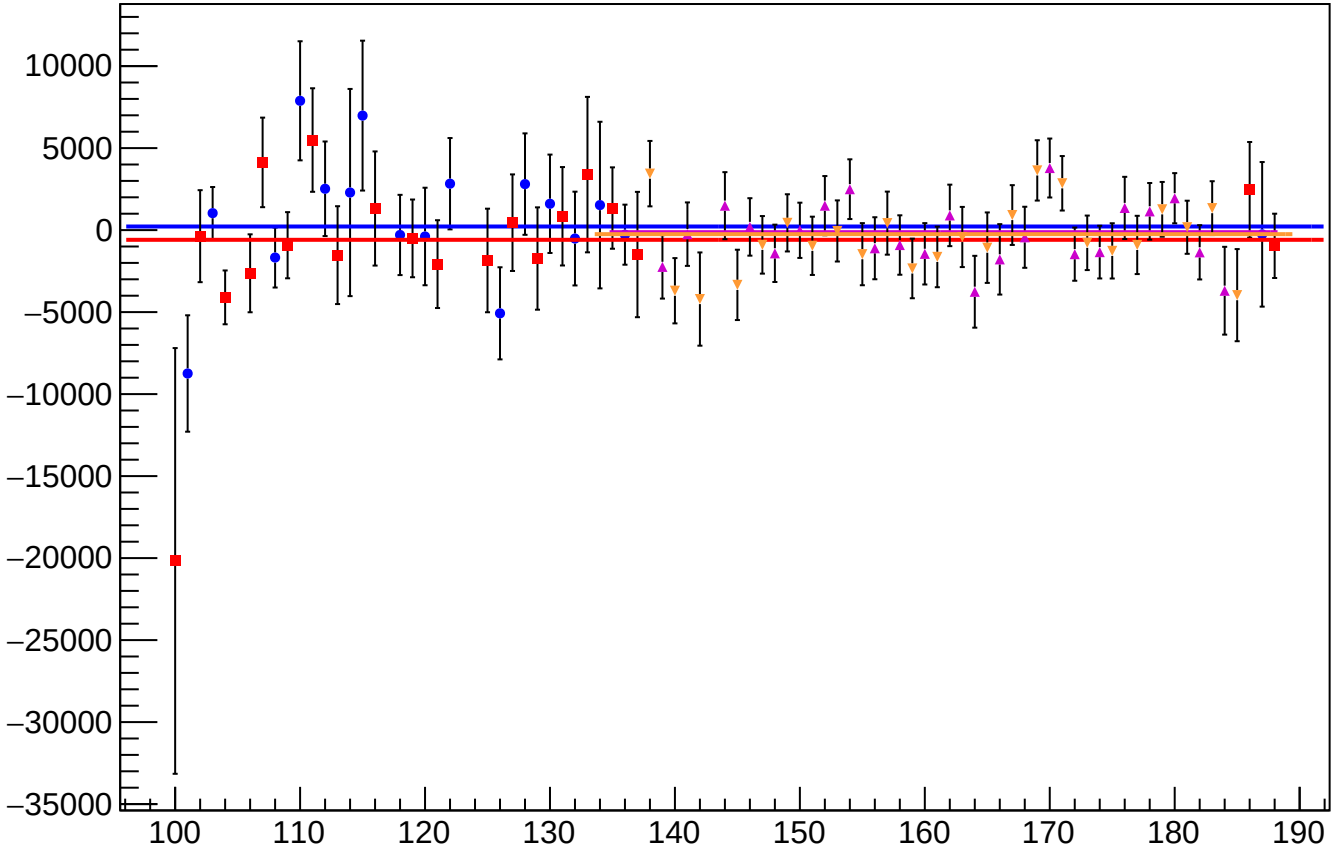
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 389.471+/-0.064 χ^2/NDF: 13548073.1/40

All: 389.841+/-0.045 χ^2/NDF: 27536817.5/83

- sign 390.198+/-0.062 χ^2/NDF: 13988677.8/42

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 219.848+/-658.760 χ^2/NDF: 20.7/16

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -591.901+/-602.255 χ^2/NDF: 18.2/19

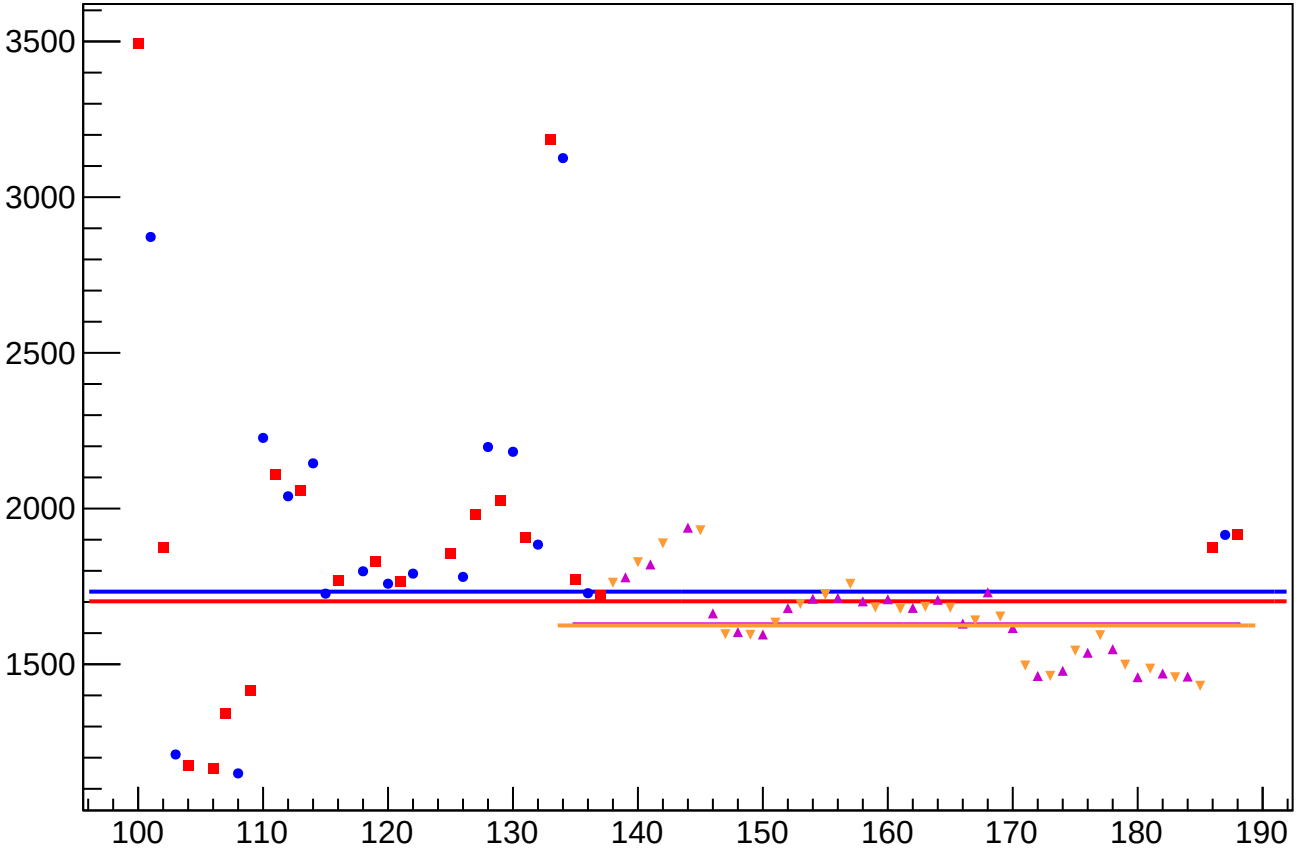
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -131.342+/-328.006 χ^2/NDF: 47.2/40

All: -196.521+/-229.842 χ^2/NDF: 87.1/83

- sign -259.398+/-322.164 χ^2/NDF: 39.8/42

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1733.211+/-0.466 χ^2/NDF: 945573.6/16

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

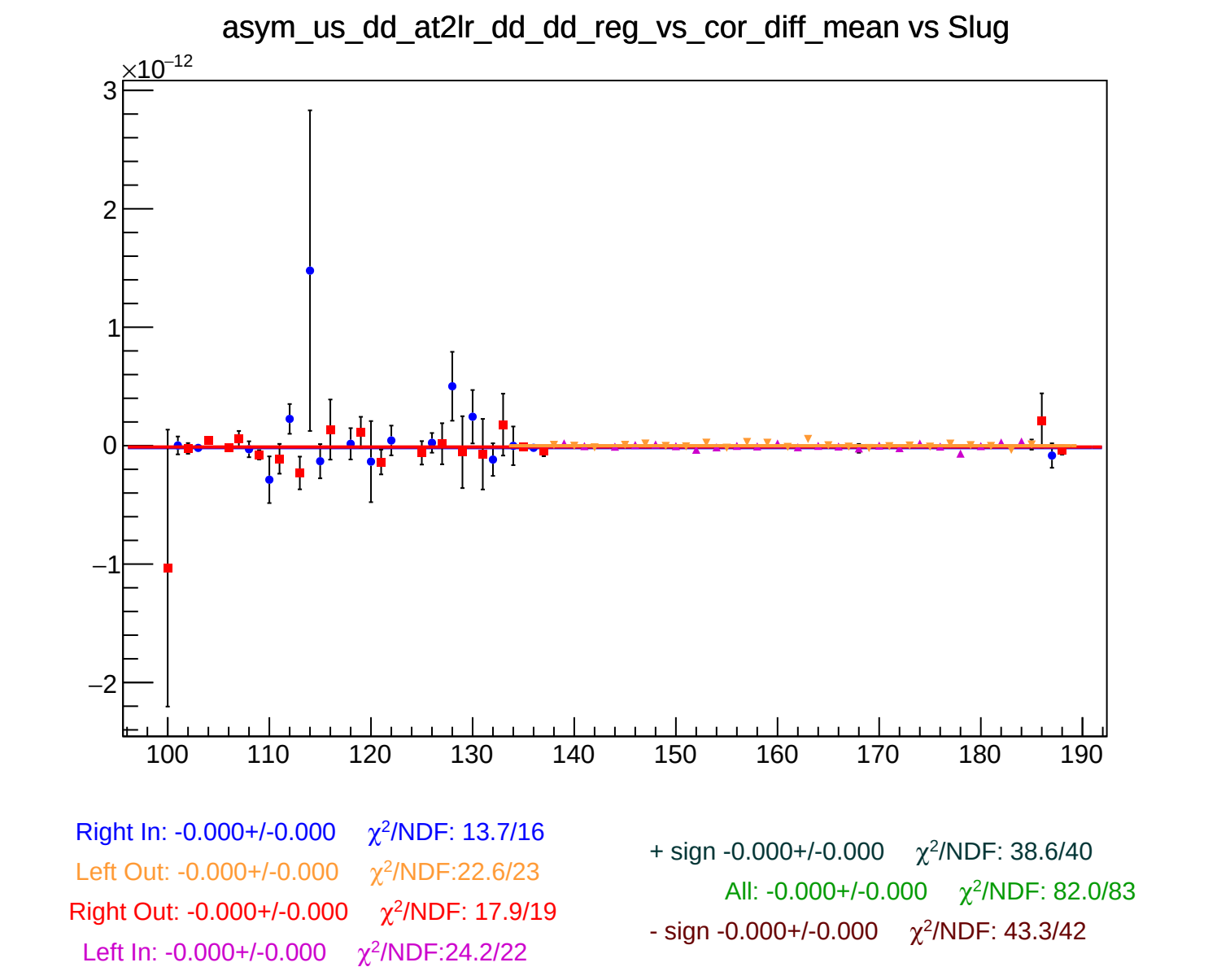
Right Out: 1702.099+/-0.426 χ^2/NDF: 780376.3/19

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1651.538+/-0.232 χ^2/NDF: 1193707.8/40

All: 1650.430+/-0.163 χ^2/NDF: 2200493.3/83

- sign 1649.361+/-0.228 χ^2/NDF: 1006740.7/42


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
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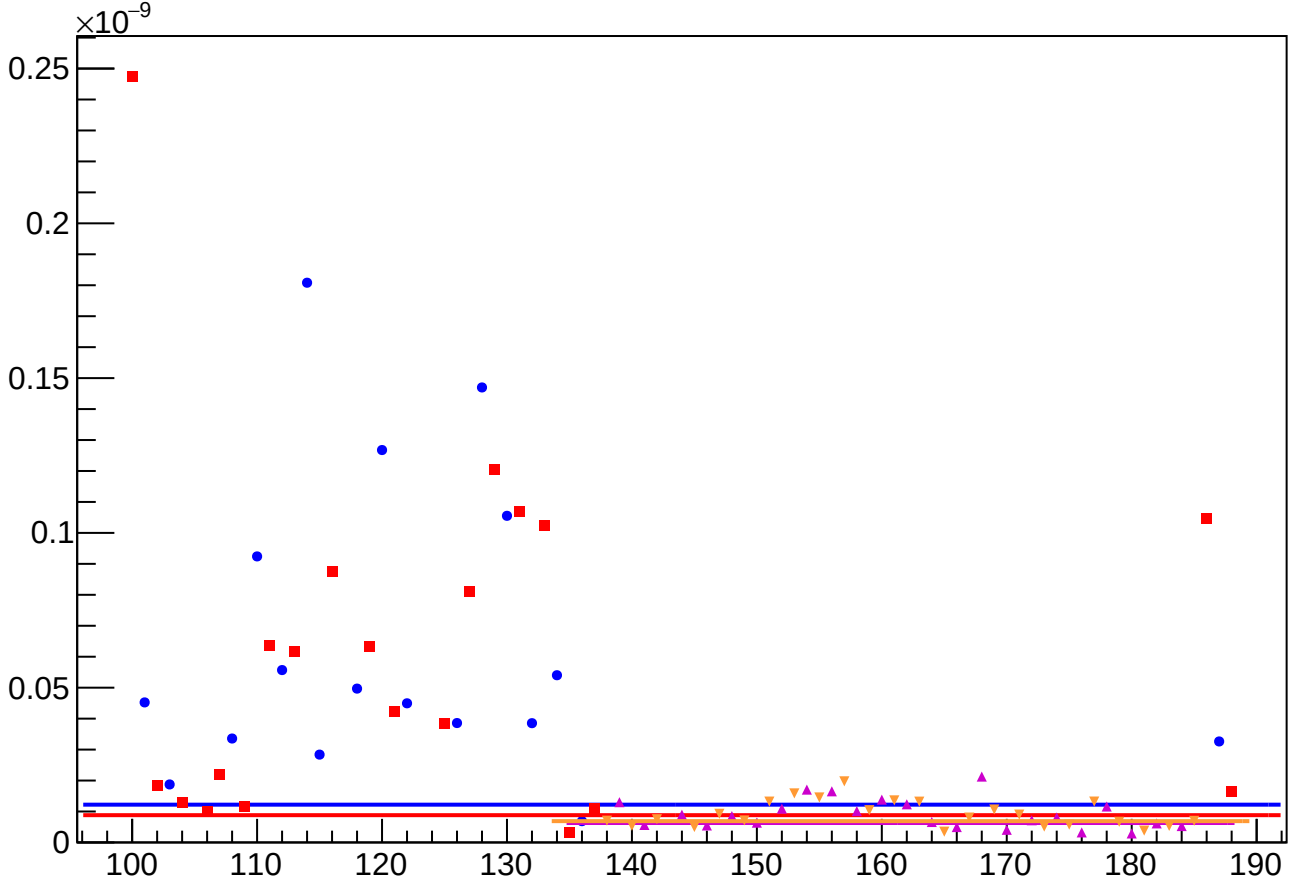
180
190
Right In: -0.000+/-0.000 χ²/NDF: 13.7/16
Left Out: -0.000+/-0.000 χ²/NDF:22.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 17.9/19
Left In: -0.000+/-0.000 χ²/NDF:24.2/22
+ sign -0.000+/-0.000 χ²/NDF: 38.6/40
All: -0.000+/-0.000 χ²/NDF: 82.0/83
- sign -0.000+/-0.000 χ²/NDF: 43.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 3504903.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

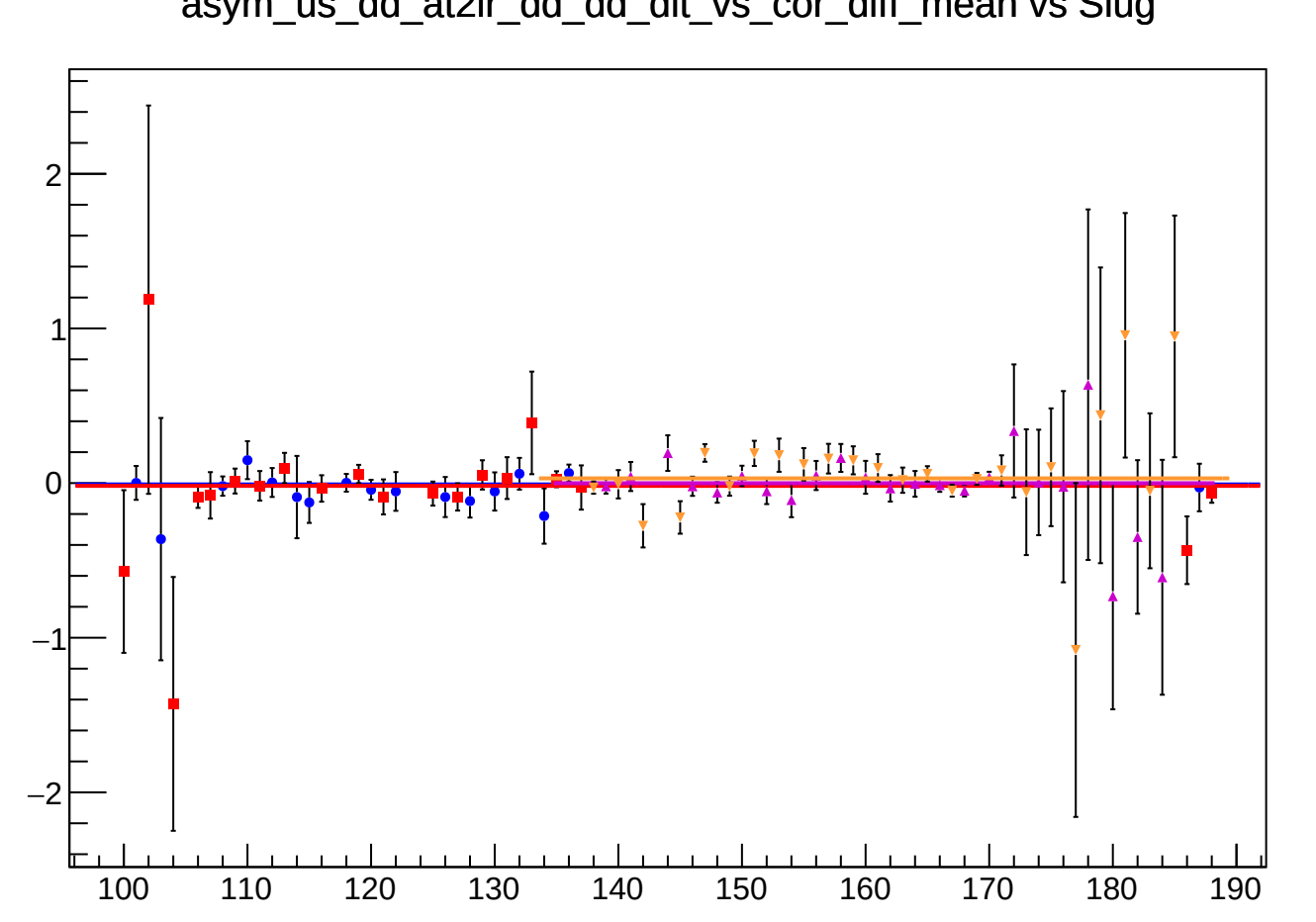
Right Out: 0.000+/-0.000 χ^2/NDF: 3953735.5/19

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6263954.6/40

All: 0.000+/-0.000 χ^2/NDF: 13345397.6/83

- sign 0.000+/-0.000 χ^2/NDF: 7003414.3/42


asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug
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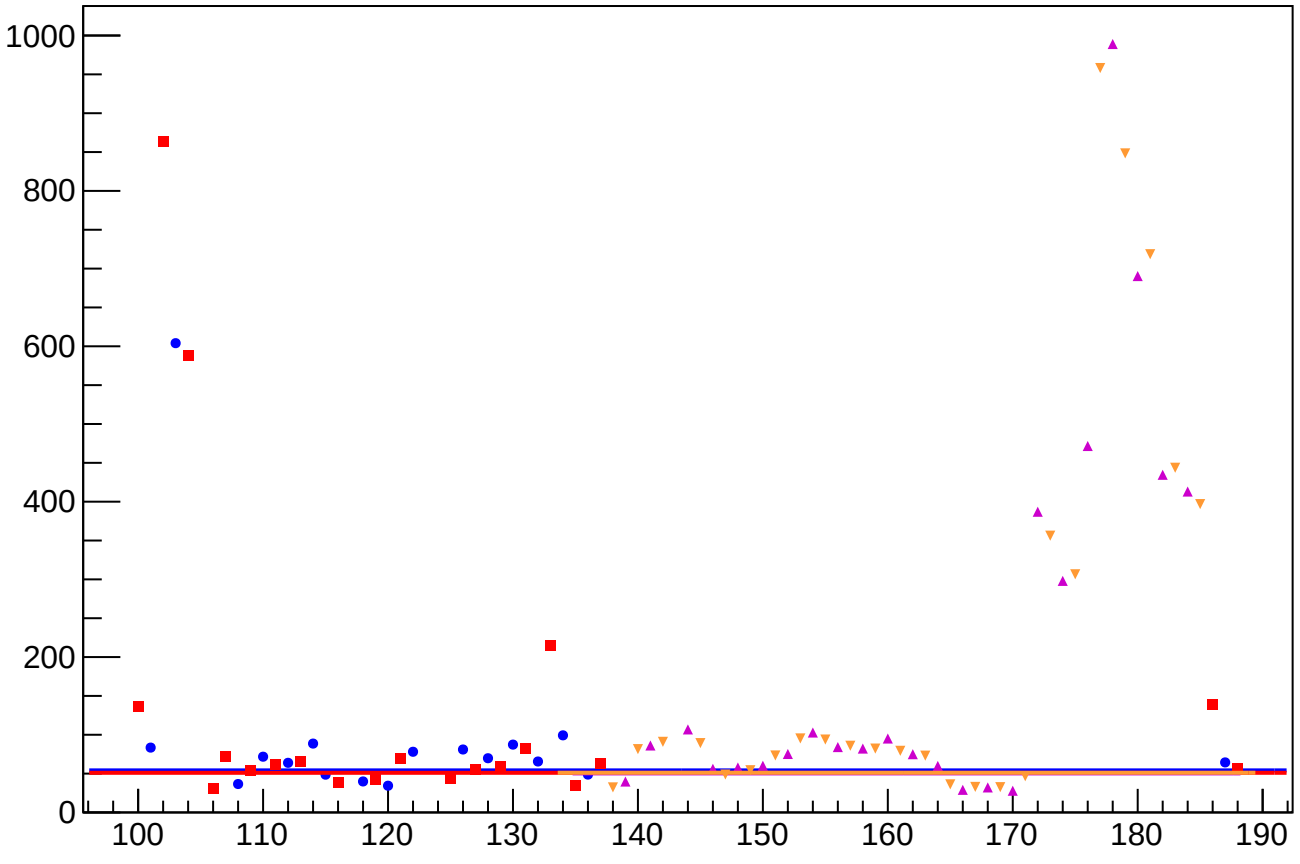
Right In: -0.009+/-0.023 χ²/NDF: 8.3/16
Left Out: 0.031+/-0.015 χ²/NDF:41.5/23
Right Out: -0.018+/-0.021 χ²/NDF: 18.2/19
Left In: -0.001+/-0.015 χ²/NDF:16.0/22
+ sign 0.018+/-0.013 χ²/NDF: 51.9/40
All: 0.005+/-0.009 χ²/NDF: 88.5/83
- sign -0.007+/-0.012 χ²/NDF: 34.7/42



Right In: 54.158+/-0.016 χ^2/NDF: 2223468.6/16

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

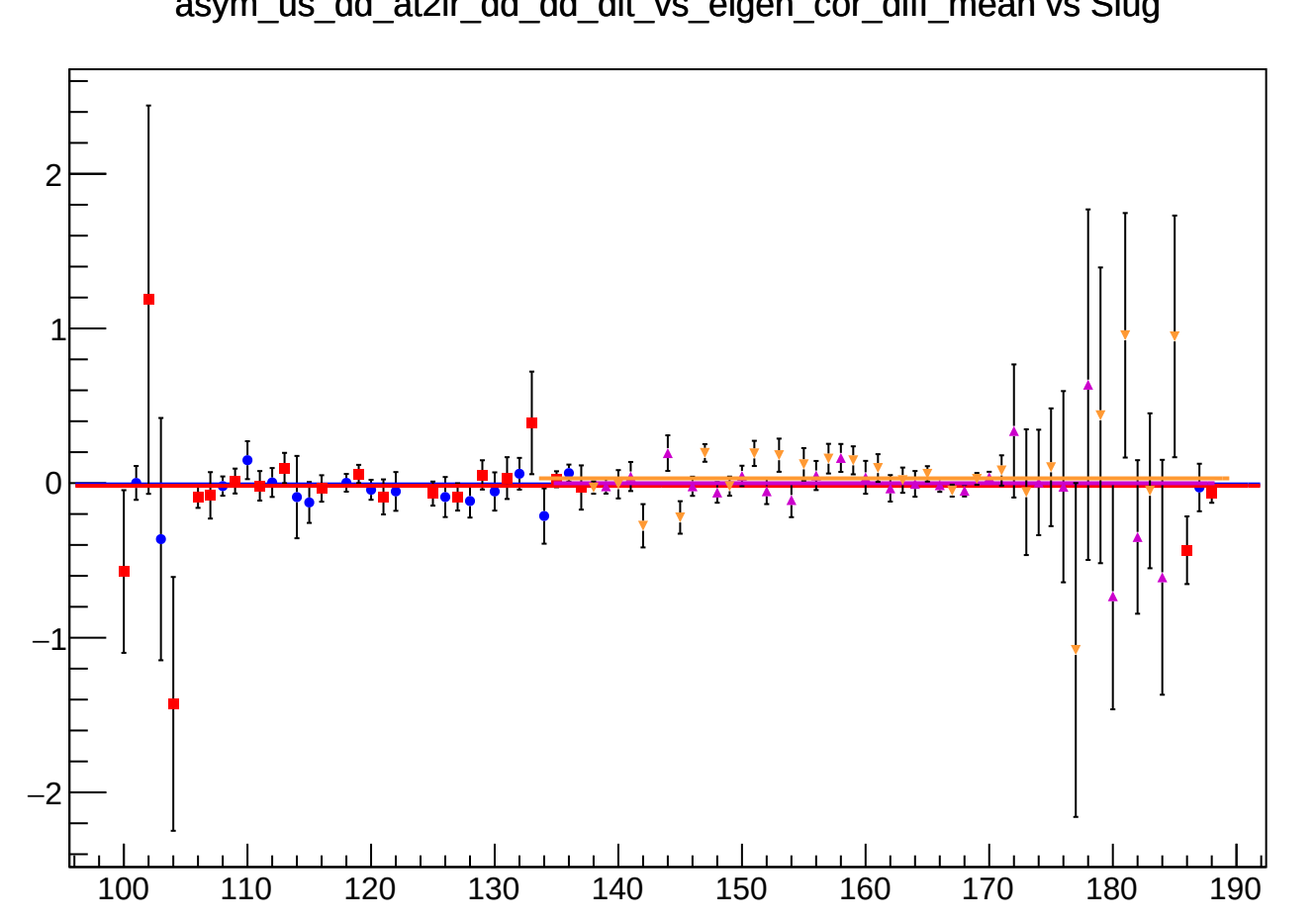
Right Out: 51.038+/-0.015 χ^2/NDF: 3362362.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 52.048+/-0.009 χ^2/NDF: 13984972.7/40

All: 51.256+/-0.006 χ^2/NDF: 29559610.3/83

- sign 50.527+/-0.009 χ^2/NDF: 15559952.0/42



Right In: -0.009+/-0.023 χ^2/NDF: 8.3/16

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

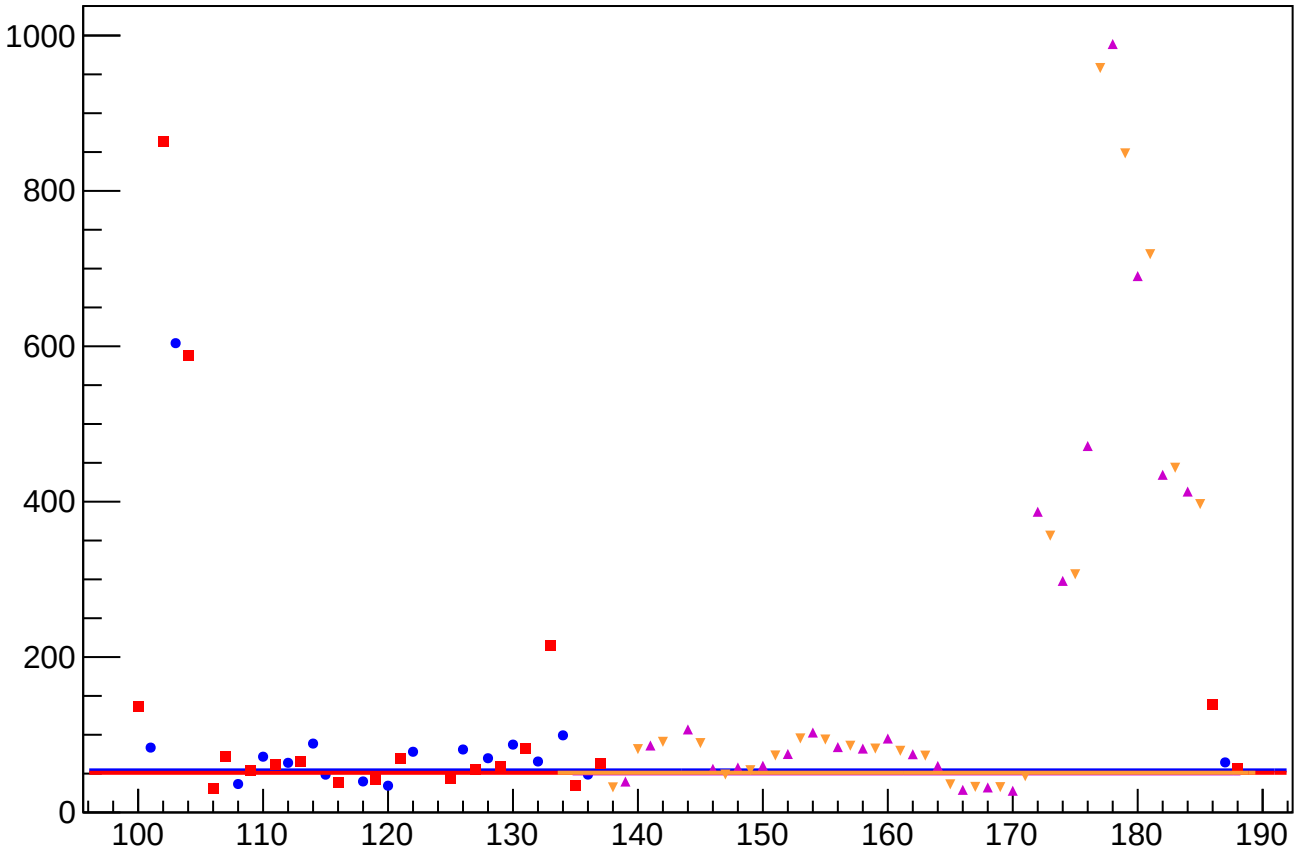
Right Out: -0.018+/-0.021 χ^2/NDF: 18.2/19

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.018+/-0.013 χ^2/NDF: 51.9/40

All: 0.005+/-0.009 χ^2/NDF: 88.5/83

- sign -0.007+/-0.012 χ^2/NDF: 34.7/42



Right In: 54.158+/-0.016 χ^2/NDF: 2223468.6/16

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

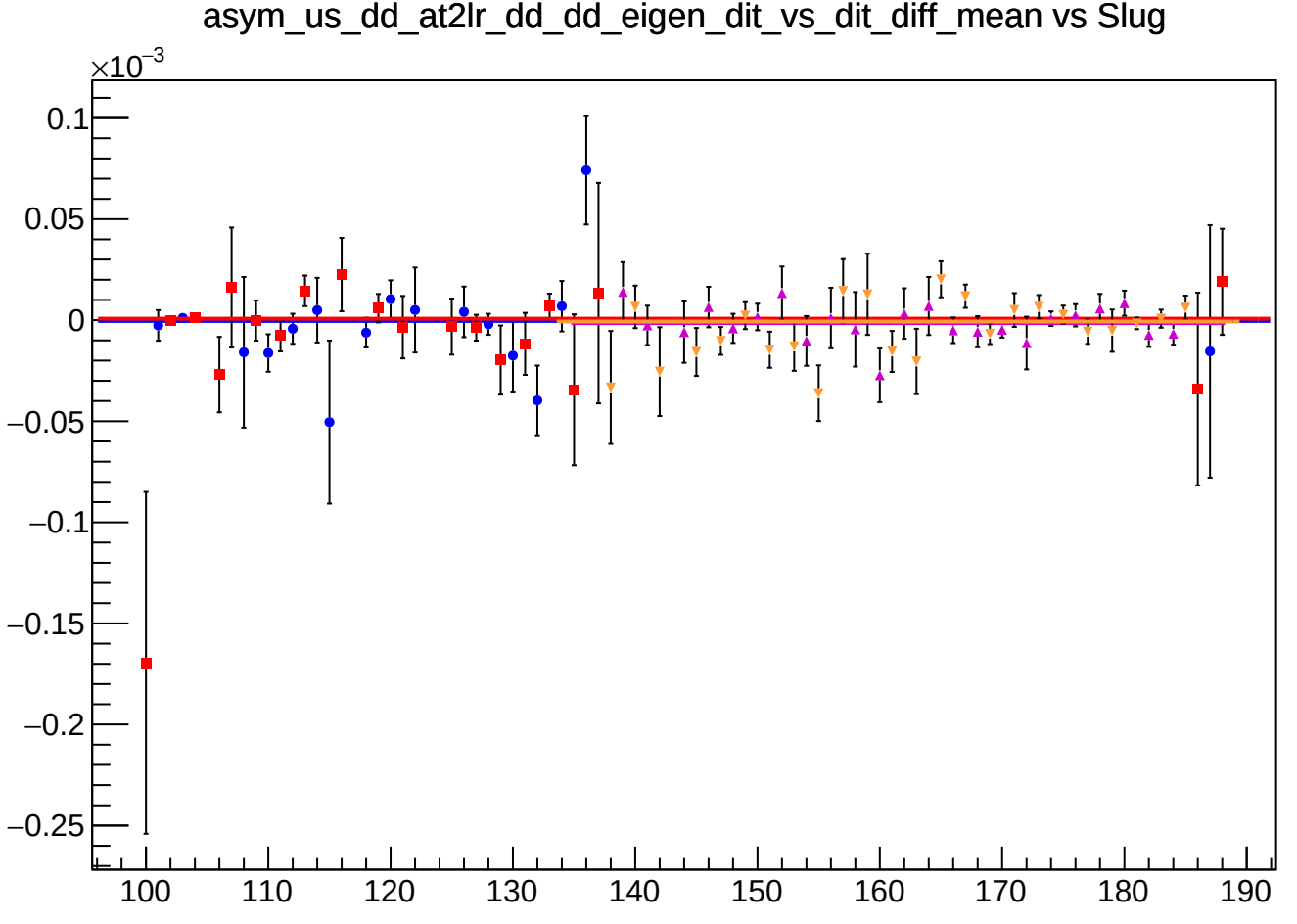
Right Out: 51.038+/-0.015 χ^2/NDF: 3362362.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 52.048+/-0.009 χ^2/NDF: 13984972.7/40

All: 51.256+/-0.006 χ^2/NDF: 29559610.3/83

\- sign 50.527+/-0.009 χ^2/NDF: 15559952.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

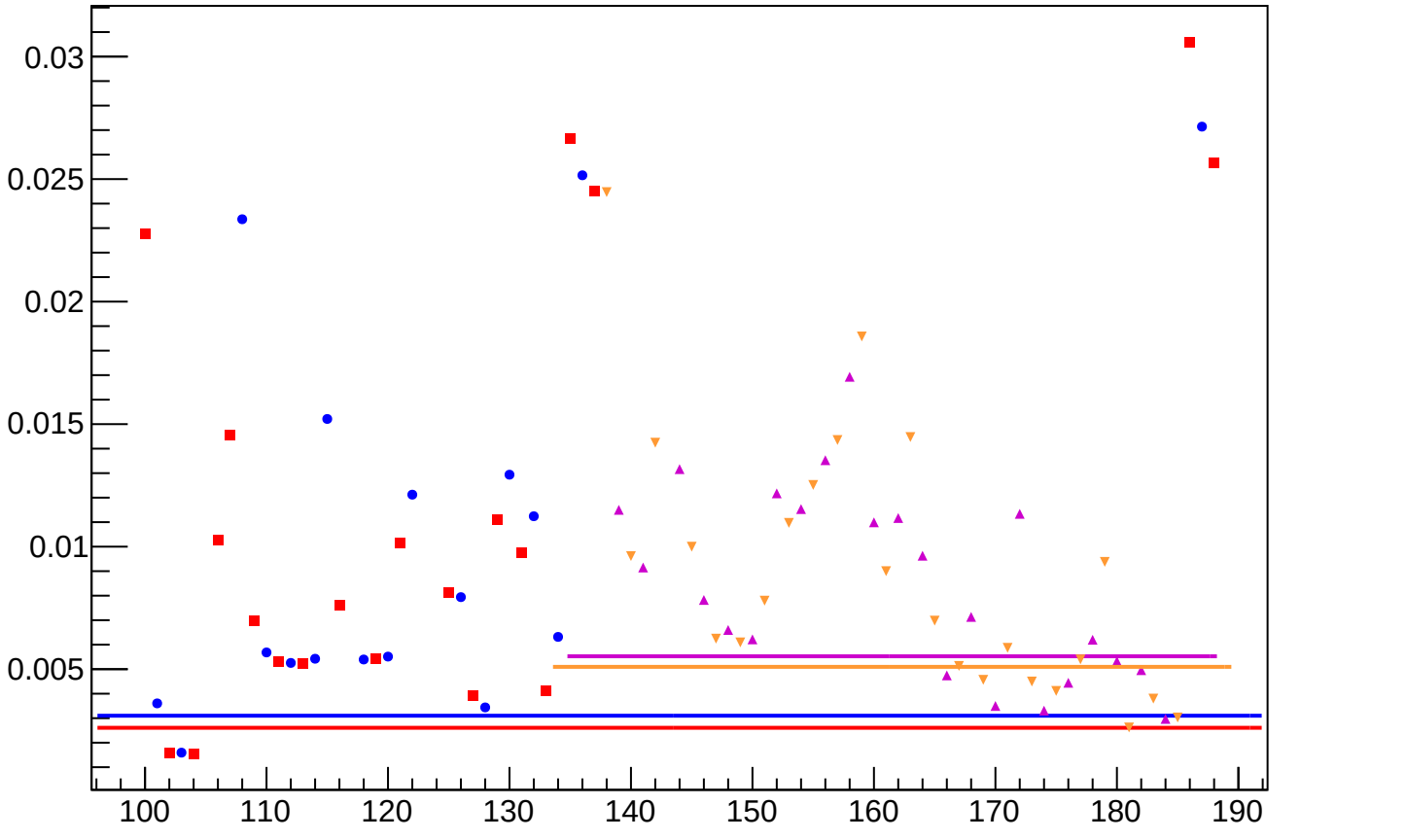
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/19

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.7/40

All: -0.000+/-0.000 χ^2/NDF: 97.3/83

- sign -0.000+/-0.000 χ^2/NDF: 36.5/42



Right In: 0.003+/-0.000 χ^2/NDF: 6075424.9/16

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

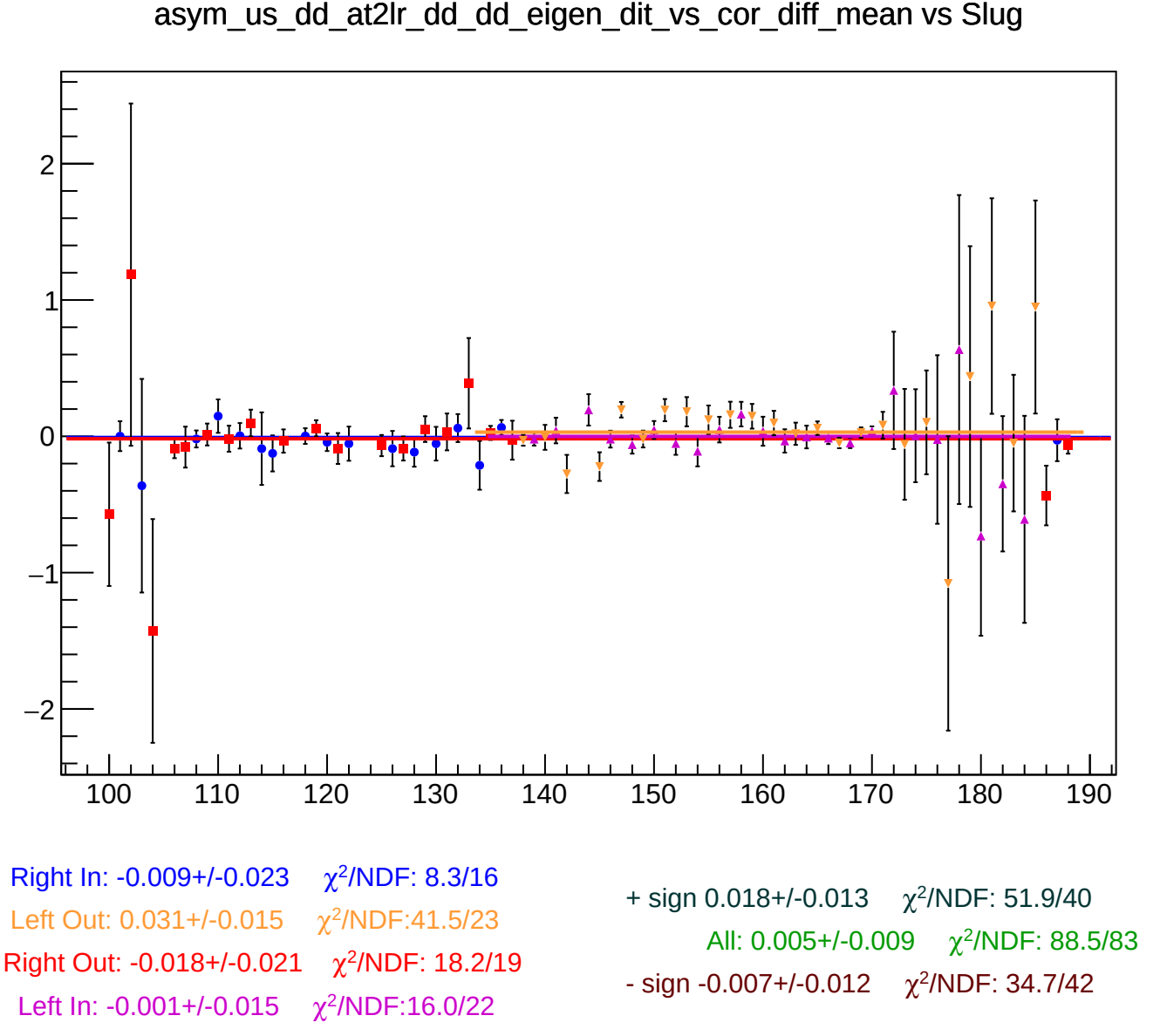
Right Out: 0.003+/-0.000 χ^2/NDF: 8474449.2/19

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 16199586.6/40

All: 0.004+/-0.000 χ^2/NDF: 36134591.7/83

- sign 0.004+/-0.000 χ^2/NDF: 19752104.4/42


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug
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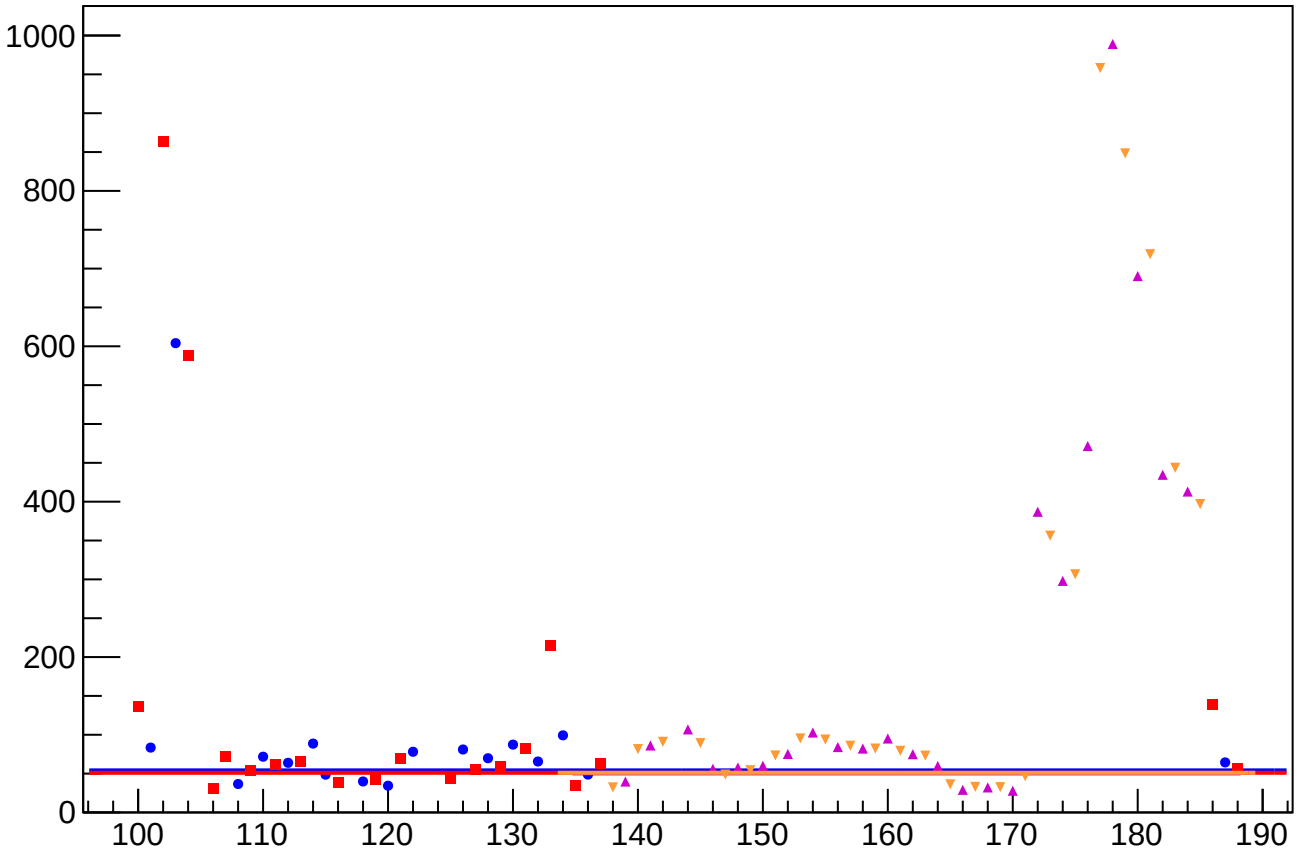
Right In: -0.009+/-0.023 χ²/NDF: 8.3/16
Left Out: 0.031+/-0.015 χ²/NDF:41.5/23
Right Out: -0.018+/-0.021 χ²/NDF: 18.2/19
Left In: -0.001+/-0.015 χ²/NDF:16.0/22
+ sign 0.018+/-0.013 χ²/NDF: 51.9/40
All: 0.005+/-0.009 χ²/NDF: 88.5/83
- sign -0.007+/-0.012 χ²/NDF: 34.7/42



Right In: 54.161+/-0.016 χ^2/NDF: 2223069.8/16

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 51.040+/-0.015 χ^2/NDF: 3362102.0/19

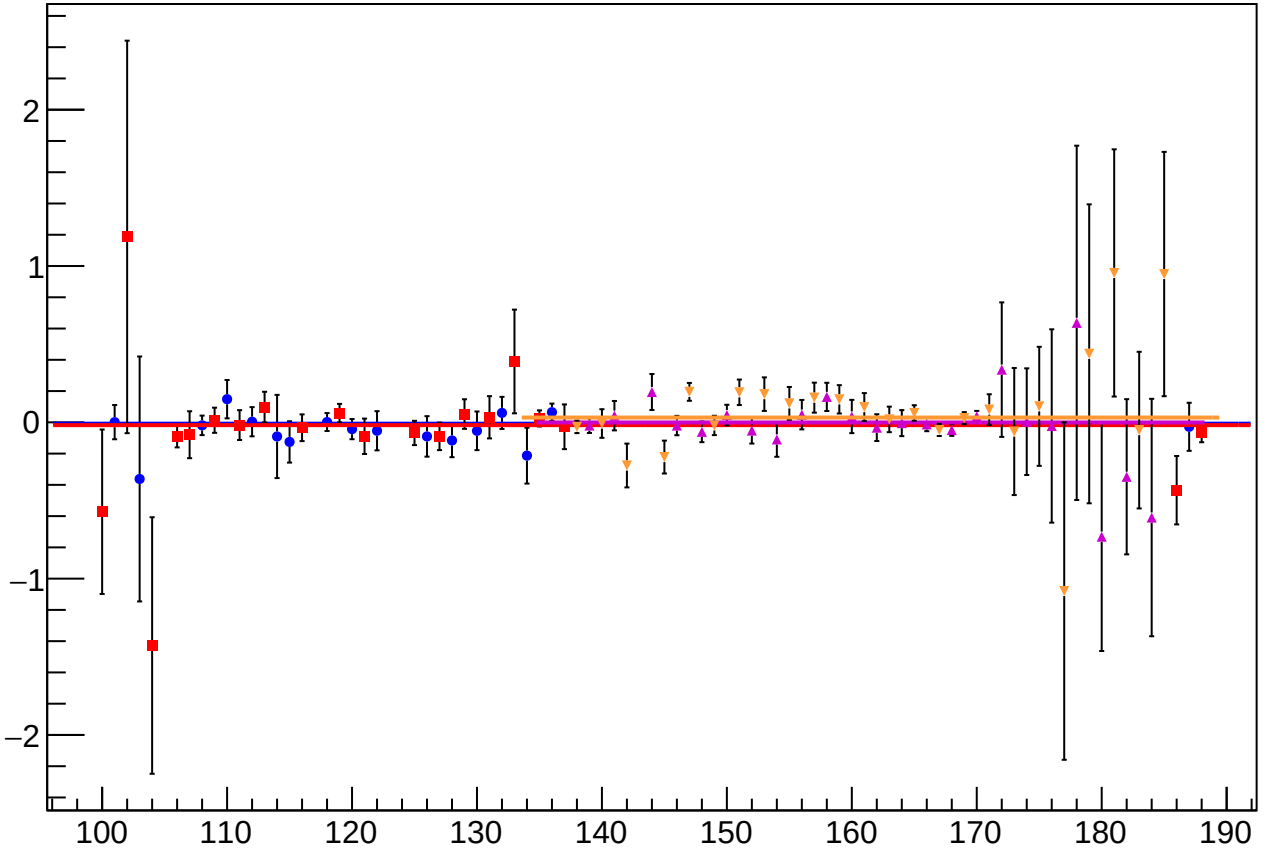
Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 52.051+/-0.009 χ^2/NDF: 13983755.5/40

All: 51.258+/-0.006 χ^2/NDF: 29558120.7/83

\- sign 50.527+/-0.009 χ^2/NDF: 15559644.5/42

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009+/-0.023 χ^2/NDF: 8.3/16

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

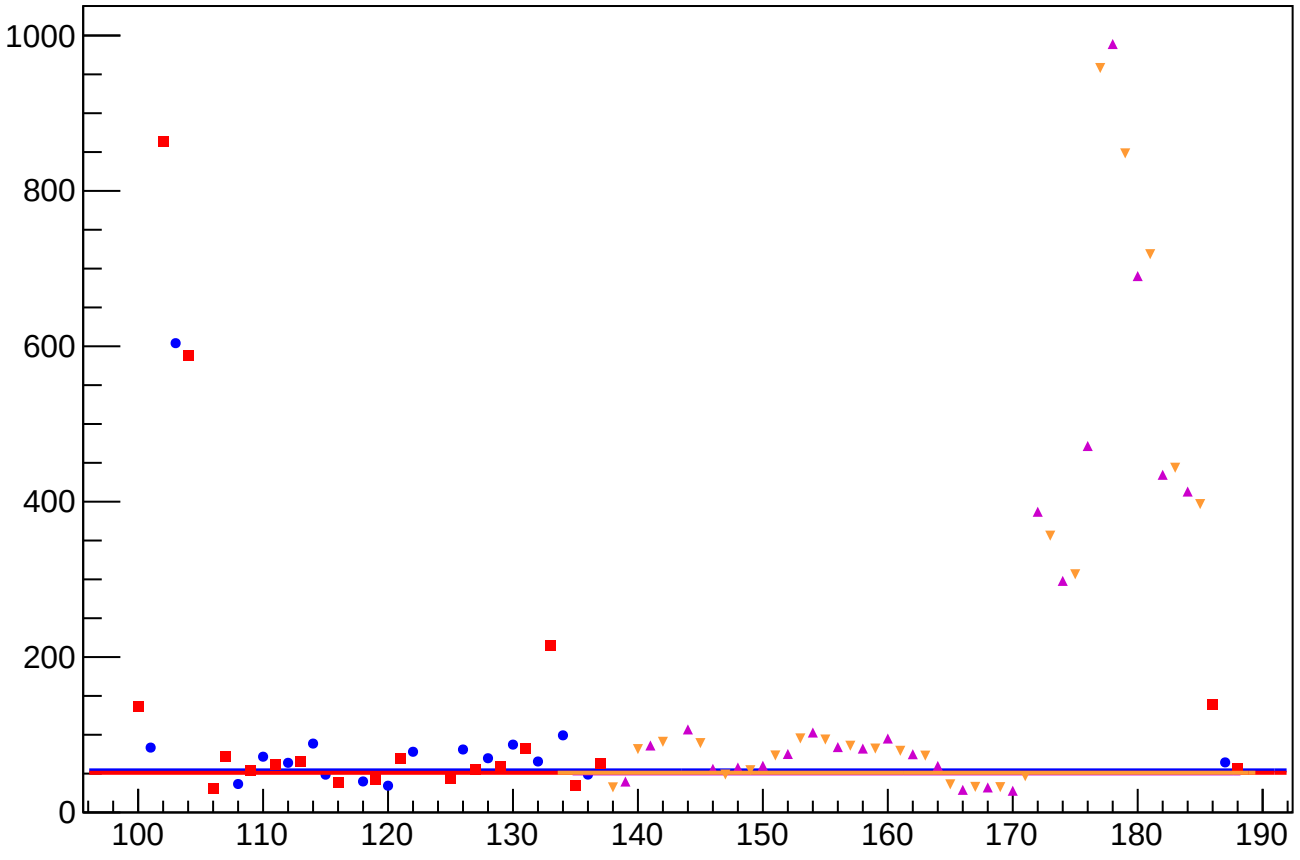
Right Out: -0.018+/-0.021 χ^2/NDF: 18.2/19

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.018+/-0.013 χ^2/NDF: 51.9/40

All: 0.005+/-0.009 χ^2/NDF: 88.5/83

- sign -0.007+/-0.012 χ^2/NDF: 34.7/42



Right In: 54.161+/-0.016 χ^2/NDF: 2223069.8/16

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

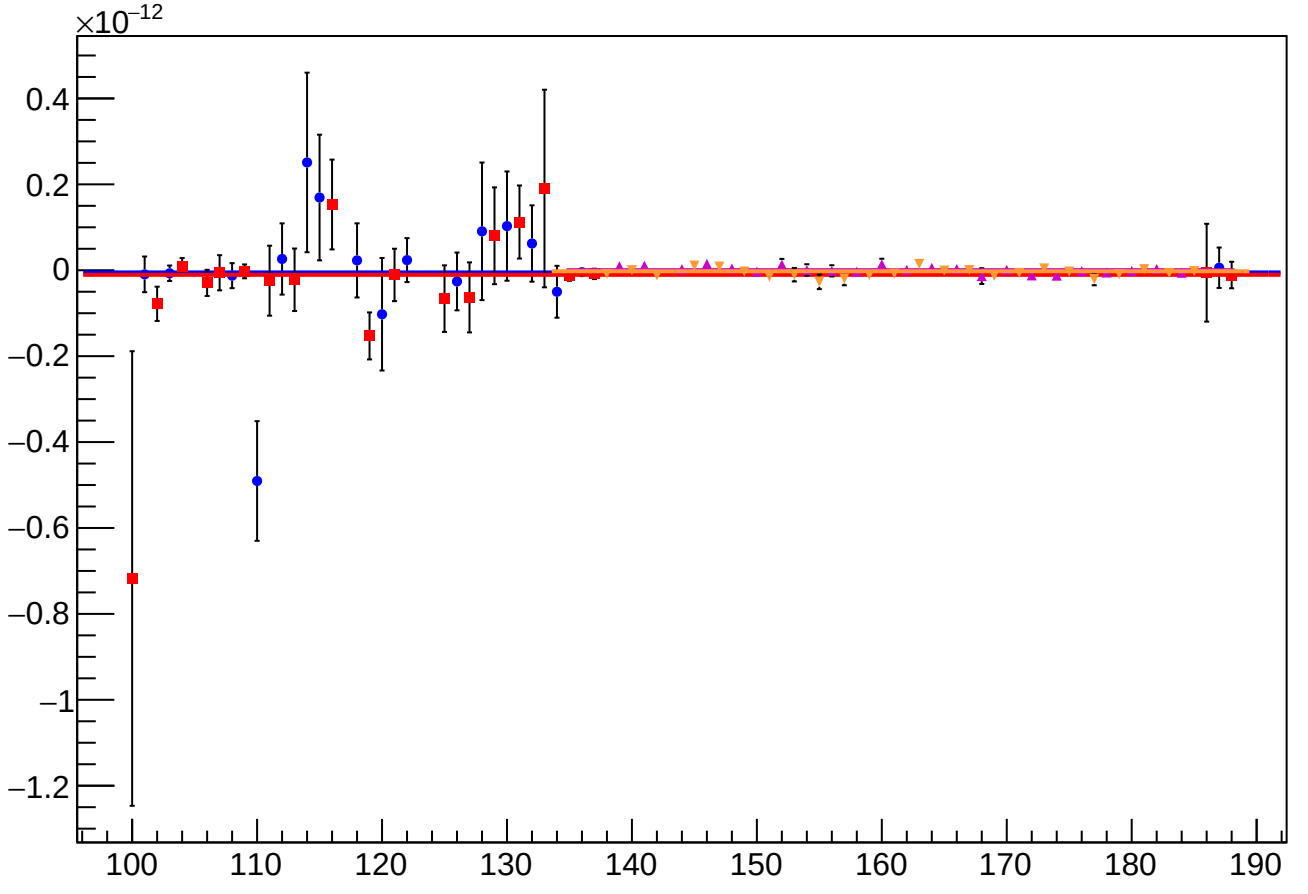
Right Out: 51.040+/-0.015 χ^2/NDF: 3362102.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 52.051+/-0.009 χ^2/NDF: 13983755.5/40

All: 51.258+/-0.006 χ^2/NDF: 29558120.7/83

\- sign 50.527+/-0.009 χ^2/NDF: 15559644.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

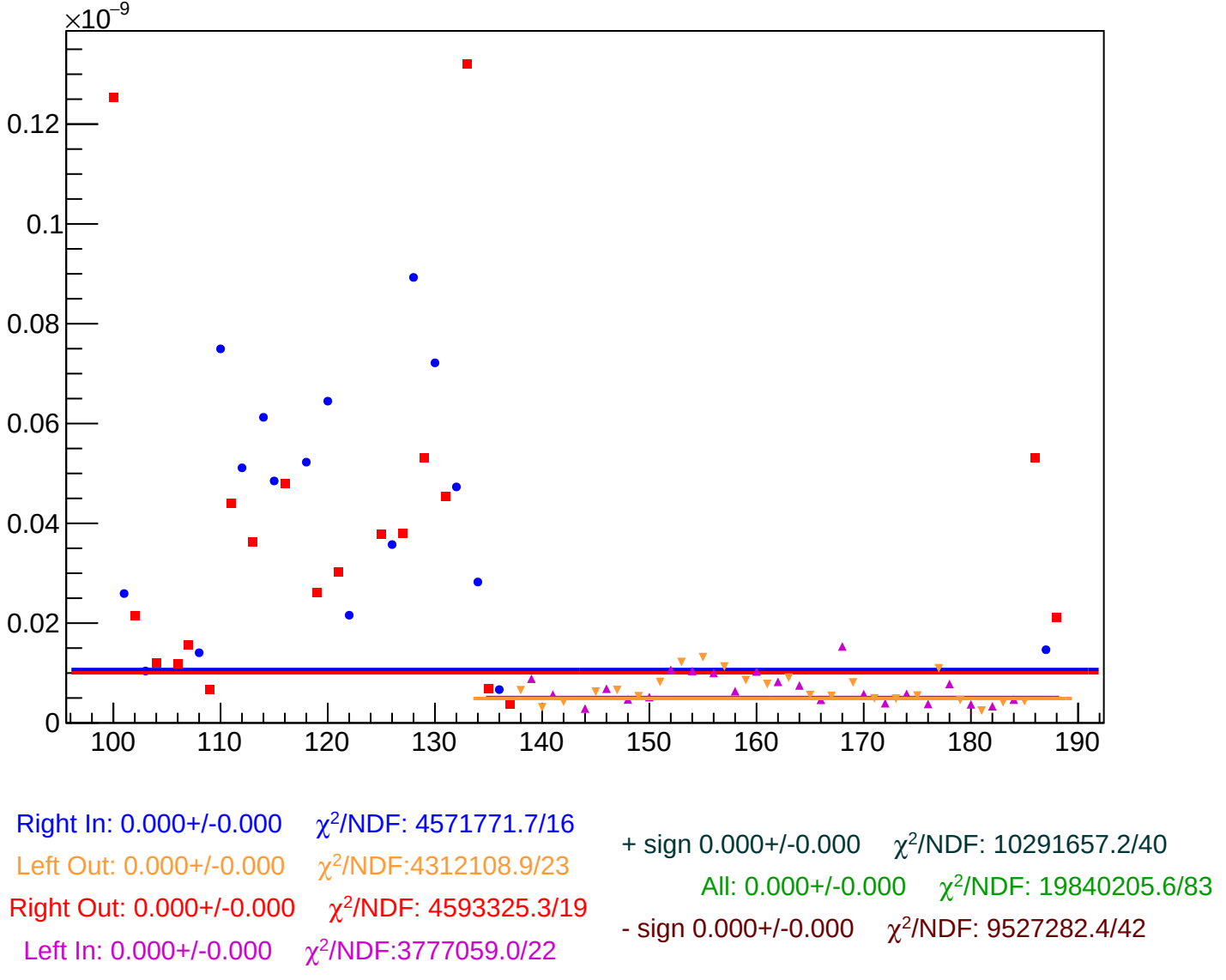
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/19

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.0/40

All: -0.000+/-0.000 χ^2/NDF: 83.0/83

- sign -0.000+/-0.000 χ^2/NDF: 41.1/42


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.12
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0.08
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170
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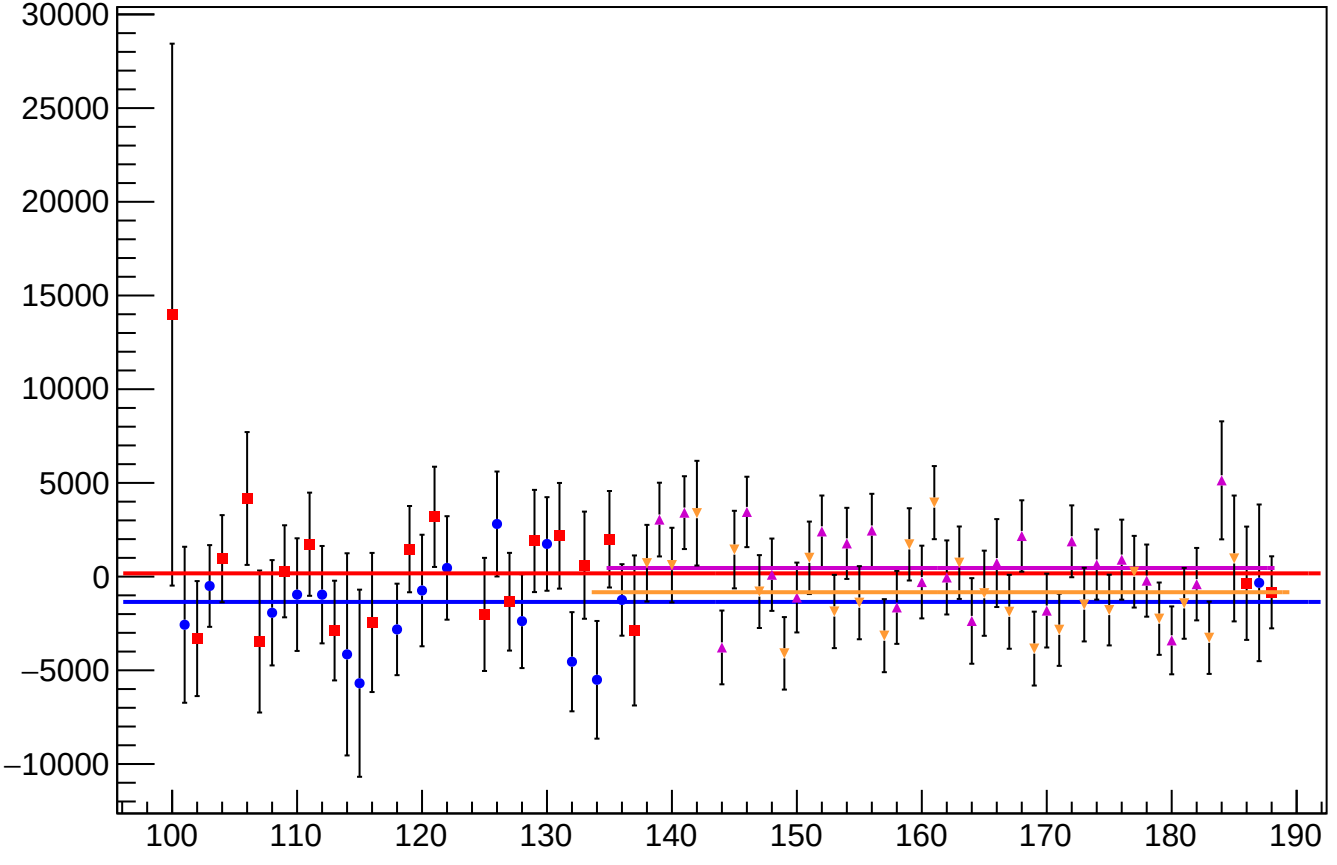
190
Right In: 0.000+/-0.000 χ²/NDF: 4571771.7/16
Left Out: 0.000+/-0.000 χ²/NDF:4312108.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 4593325.3/19
Left In: 0.000+/-0.000 χ²/NDF:3777059.0/22
+ sign 0.000+/-0.000 χ²/NDF: 10291657.2/40
All: 0.000+/-0.000 χ²/NDF: 19840205.6/83
- sign 0.000+/-0.000 χ²/NDF: 9527282.4/42

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1351.070+/-679.855 χ^2/NDF: 9.4/16

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 173.654+/-630.169 χ^2/NDF: 11.4/19

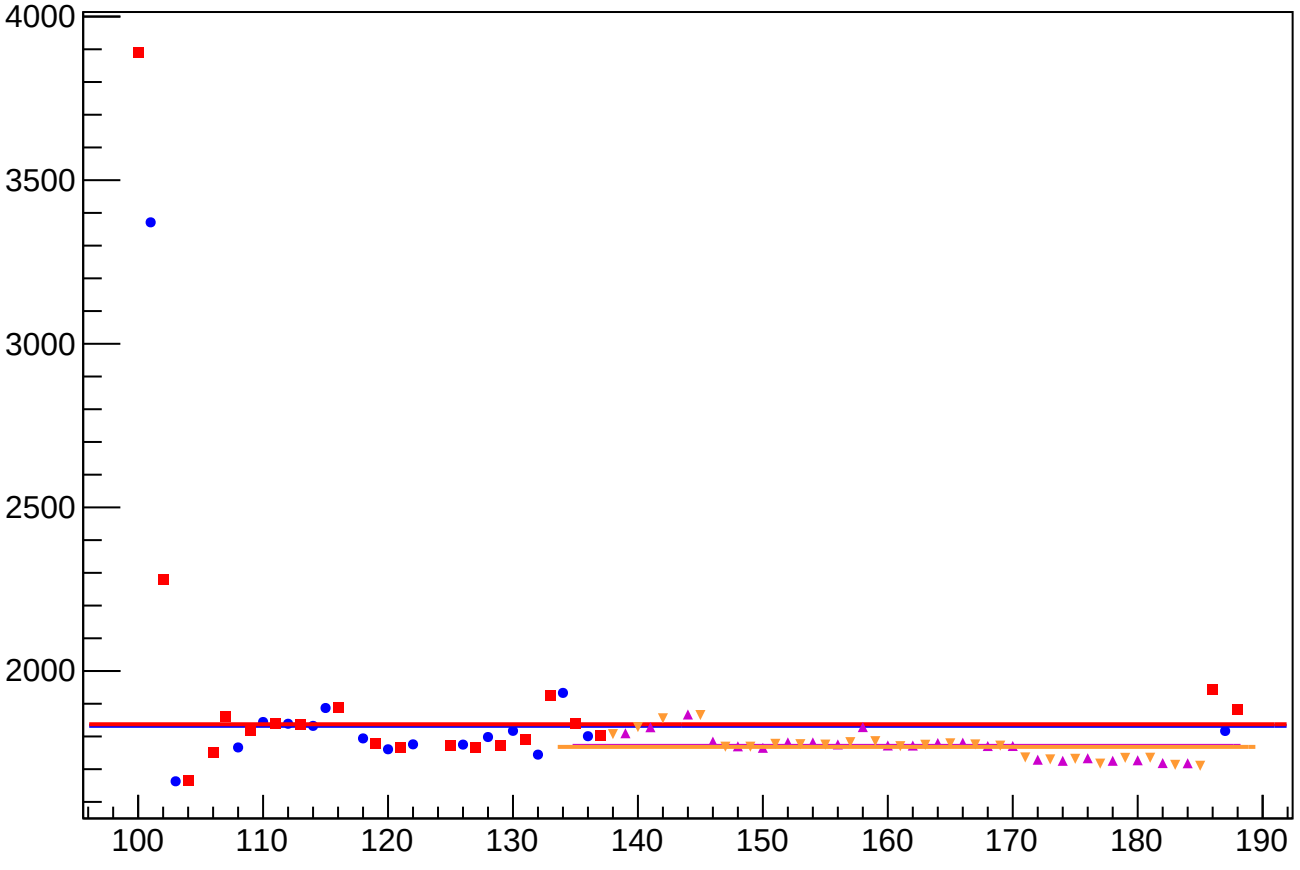
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -971.083+/-351.377 χ^2/NDF: 35.2/40

All: -288.037+/-246.465 χ^2/NDF: 81.5/83

- sign 373.494+/-345.798 χ^2/NDF: 38.8/42

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.520+/-0.481 χ^2/NDF: 295468.4/16

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

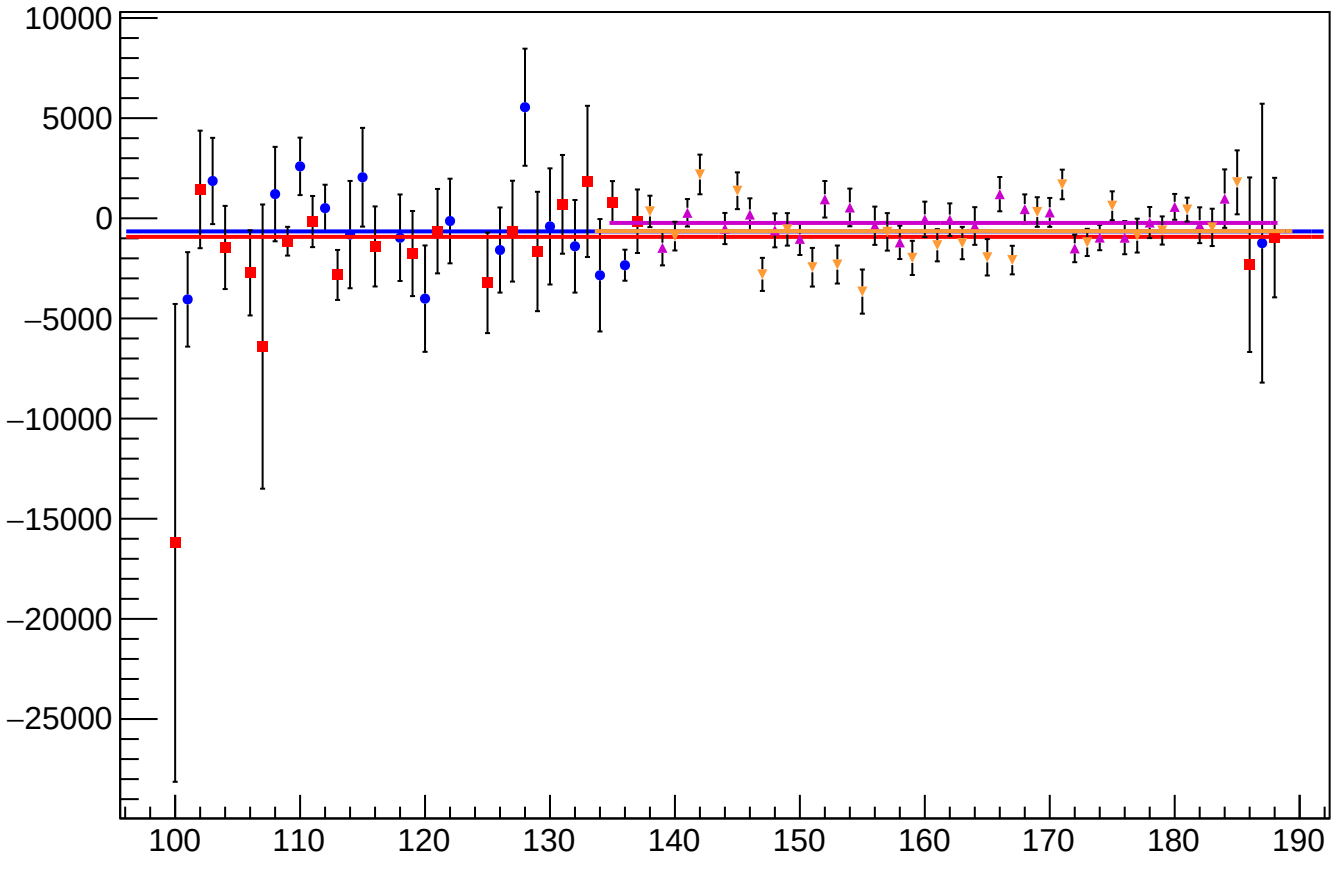
Right Out: 1837.325+/-0.446 χ^2/NDF: 107121.5/19

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.327+/-0.248 χ^2/NDF: 324976.5/40

All: 1788.272+/-0.174 χ^2/NDF: 464182.9/83

- sign 1791.124+/-0.245 χ^2/NDF: 138929.9/42



Right In: -654.311+/-441.246 χ^2/NDF: 23.2/16

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

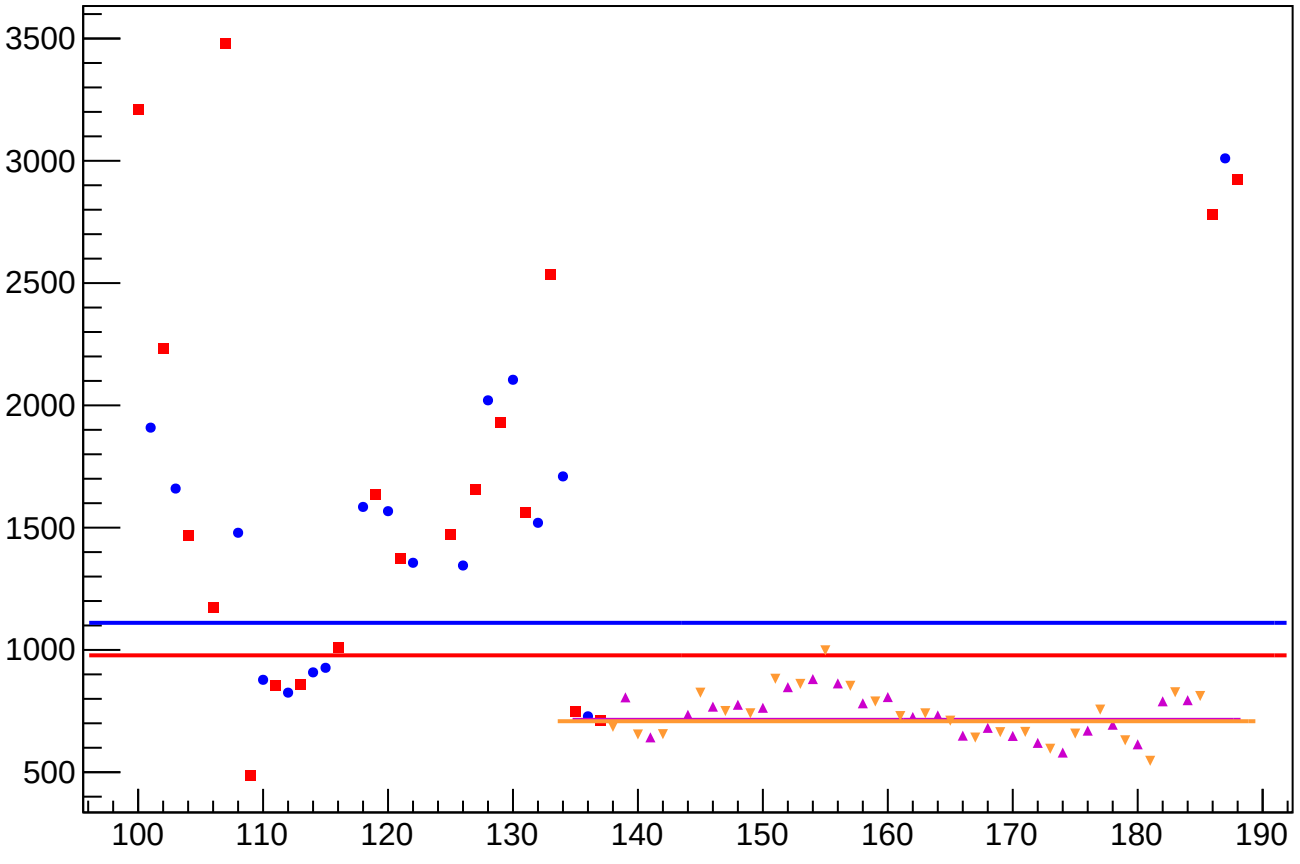
Right Out: -926.678+/-388.493 χ^2/NDF: 11.6/19

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -642.683+/-155.737 χ^2/NDF: 89.9/40

All: -490.414+/-109.663 χ^2/NDF: 126.1/83

- sign -340.658+/-154.446 χ^2/NDF: 34.3/42



Right In: 1110.842+/-0.312 χ^2/NDF: 2027582.9/16

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 977.852+/-0.275 χ^2/NDF: 4276023.8/19

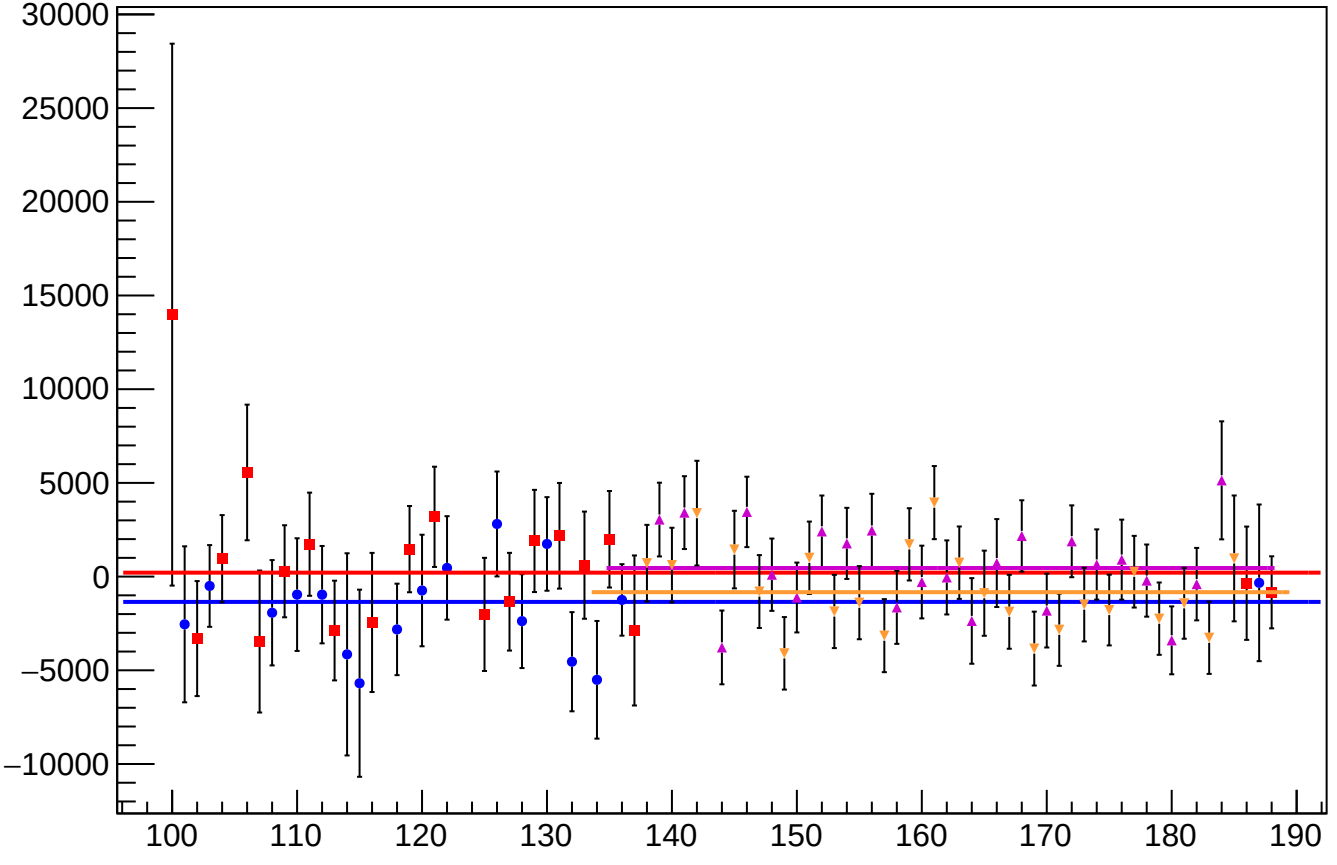
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 758.623+/-0.110 χ^2/NDF: 4183761.2/40

All: 757.219+/-0.078 χ^2/NDF: 9733132.4/83

- sign 755.838+/-0.109 χ^2/NDF: 5549048.6/42

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1350.486+/-679.856 χ^2/NDF: 9.4/16

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 210.530+/-630.576 χ^2/NDF: 12.3/19

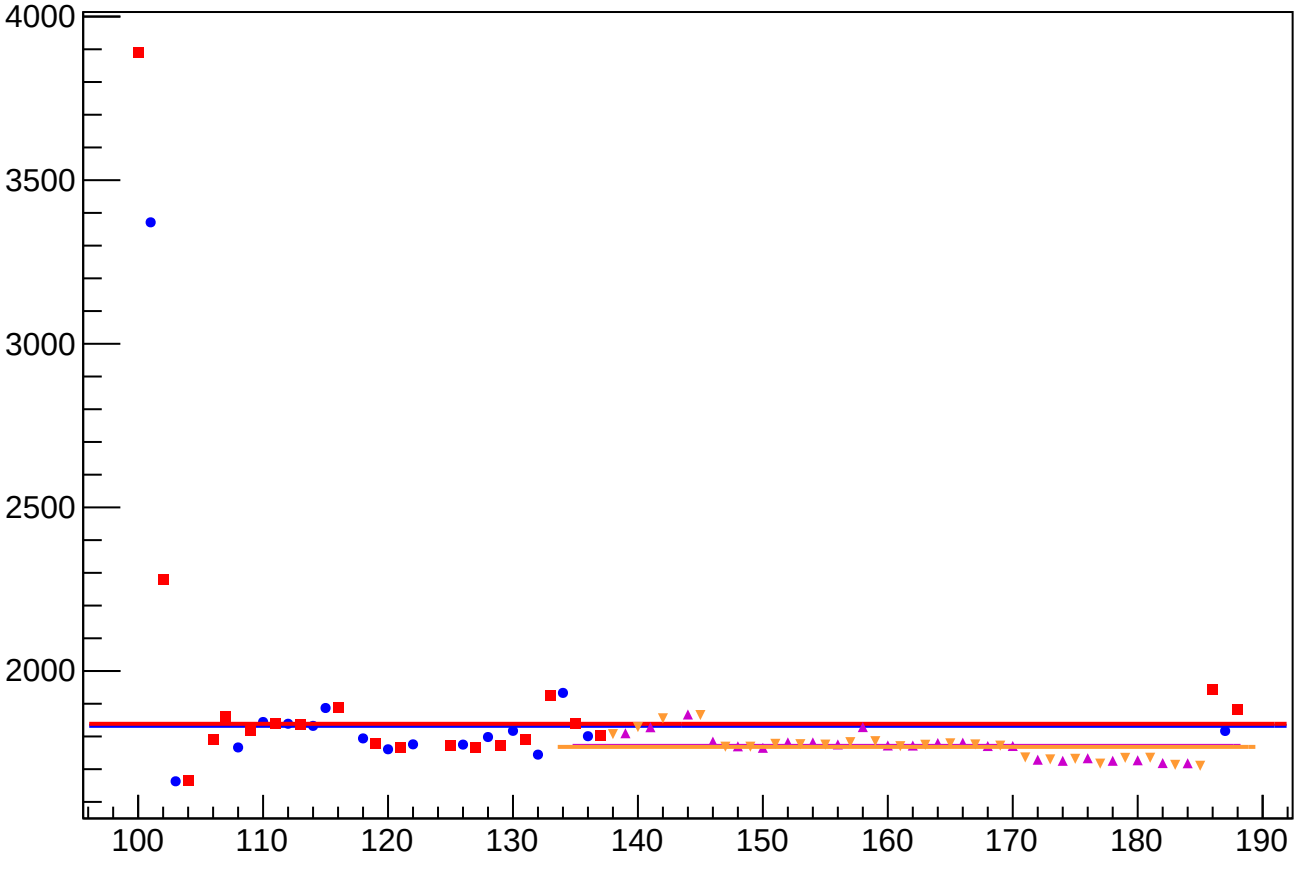
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -970.849+/-351.377 χ^2/NDF: 35.2/40

All: -282.392+/-246.489 χ^2/NDF: 82.5/83

- sign 384.637+/-345.865 χ^2/NDF: 39.7/42

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.520+/-0.481 χ^2/NDF: 295470.3/16

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

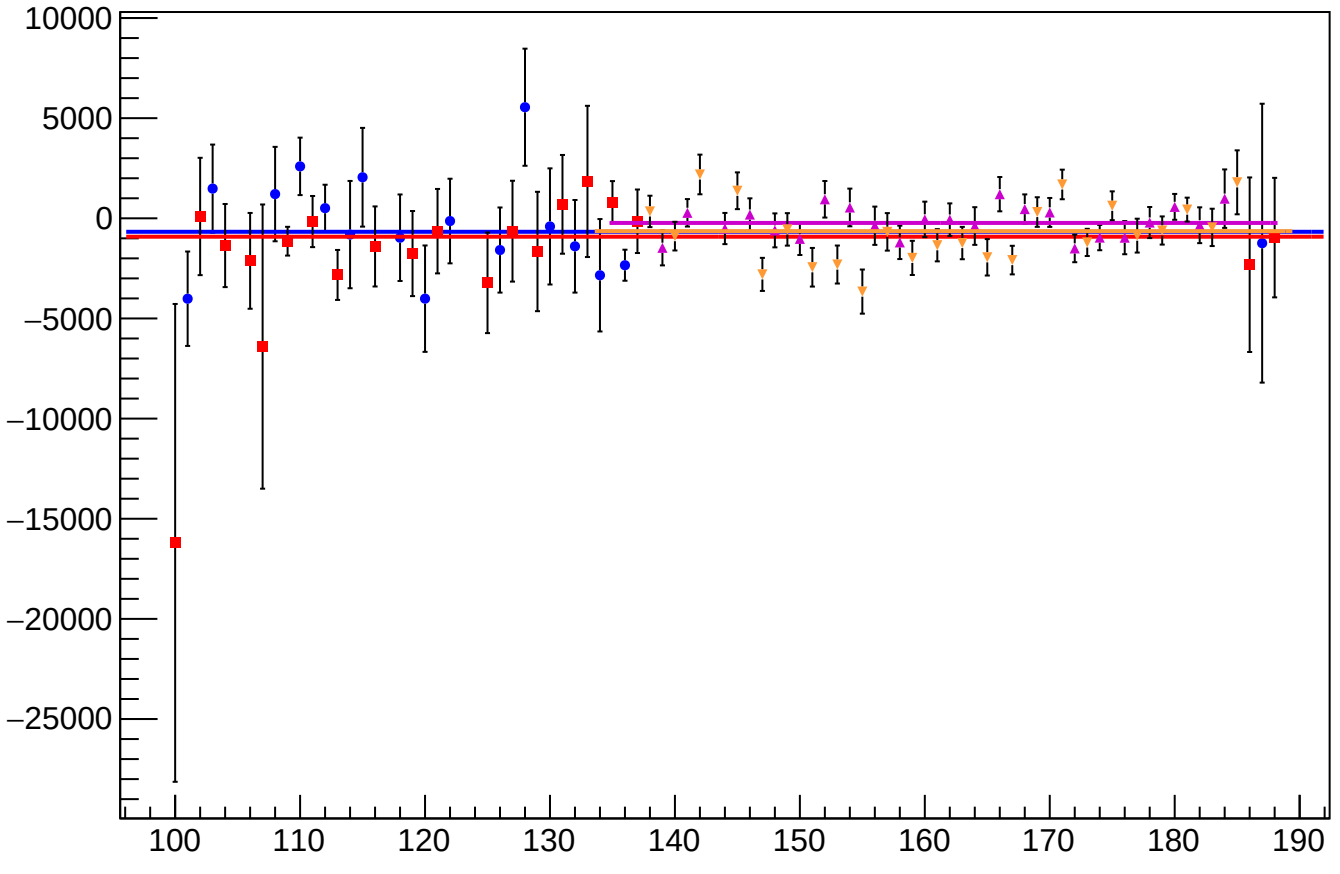
Right Out: 1838.678+/-0.446 χ^2/NDF: 106236.1/19

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.327+/-0.248 χ^2/NDF: 324978.4/40

All: 1788.469+/-0.174 χ^2/NDF: 463959.3/83

- sign 1791.513+/-0.245 χ^2/NDF: 138666.1/42



Right In: -672.837+/-441.614 χ^2/NDF: 22.8/16

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: -918.151+/-389.834 χ^2/NDF: 10.6/19

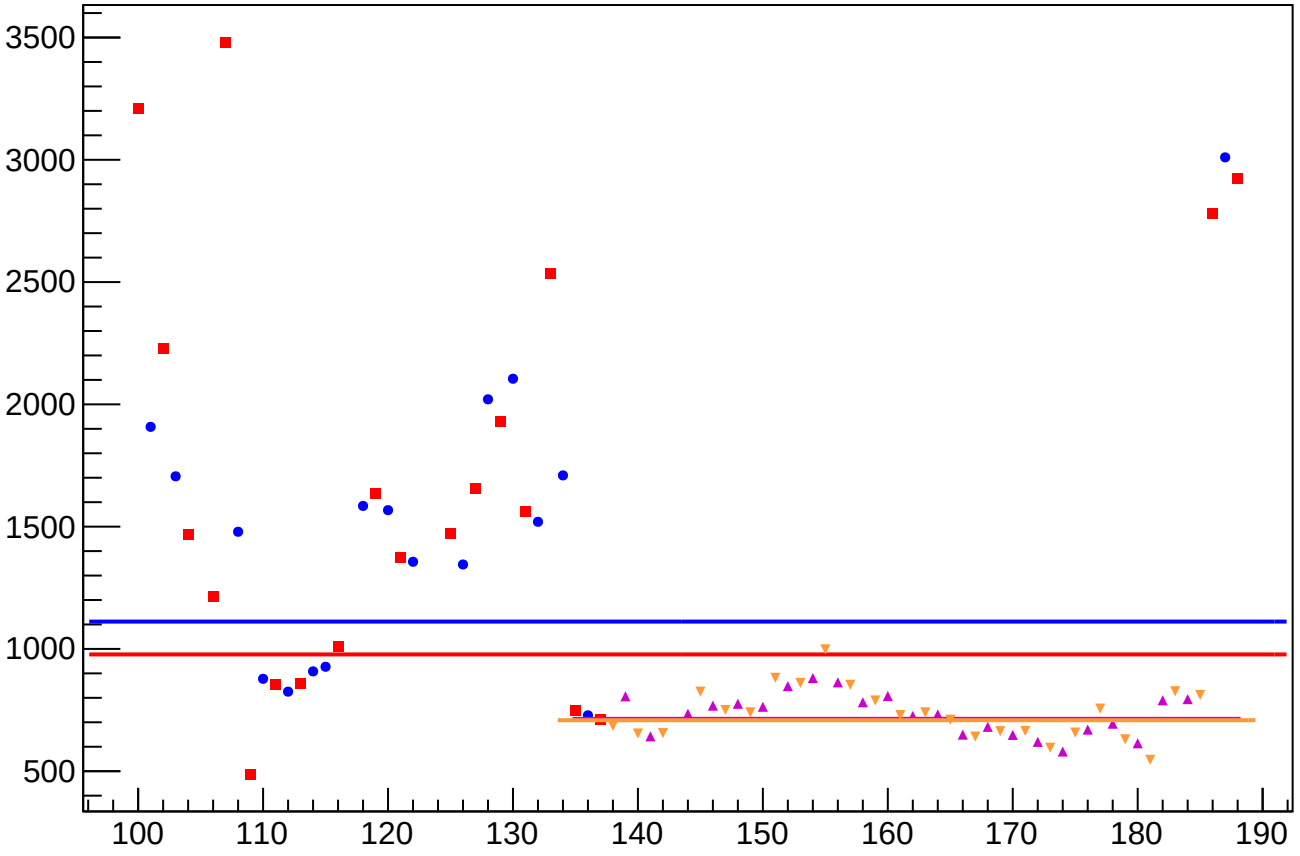
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

\+ sign -644.964+/-155.754 χ^2/NDF: 89.5/40

All: -490.582+/-109.700 χ^2/NDF: 124.6/83

\- sign -338.615+/-154.531 χ^2/NDF: 33.2/42

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1111.770+/-0.312 χ^2/NDF: 2043742.6/16

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

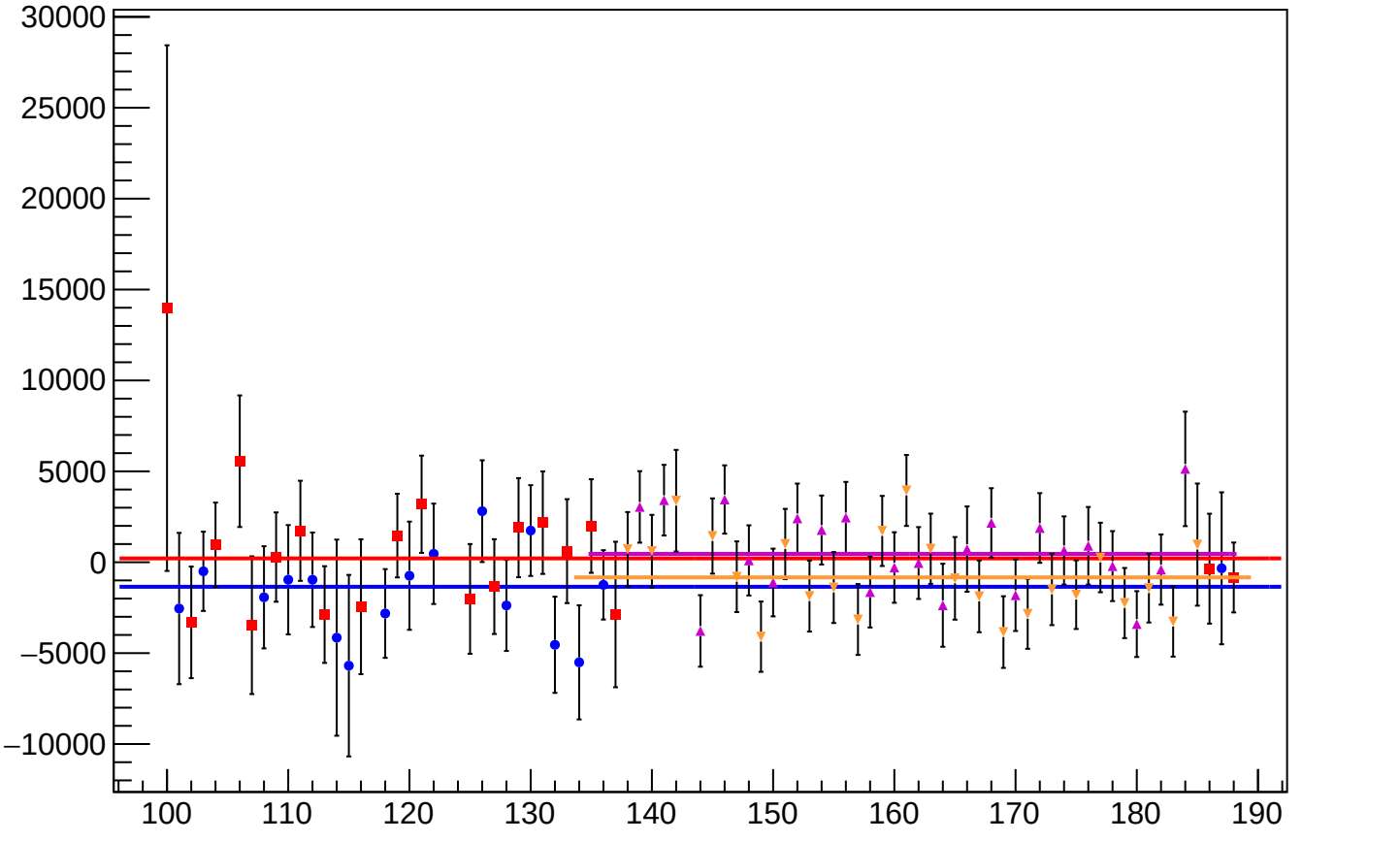
Right Out: 977.477+/-0.276 χ^2/NDF: 4277013.3/19

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 758.671+/-0.110 χ^2/NDF: 4204443.8/40

All: 757.095+/-0.078 χ^2/NDF: 9748179.7/83

- sign 755.543+/-0.109 χ^2/NDF: 5543329.4/42



Right In: -1350.486+/-679.856 χ^2/NDF: 9.4/16

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 210.530+/-630.576 χ^2/NDF: 12.3/19

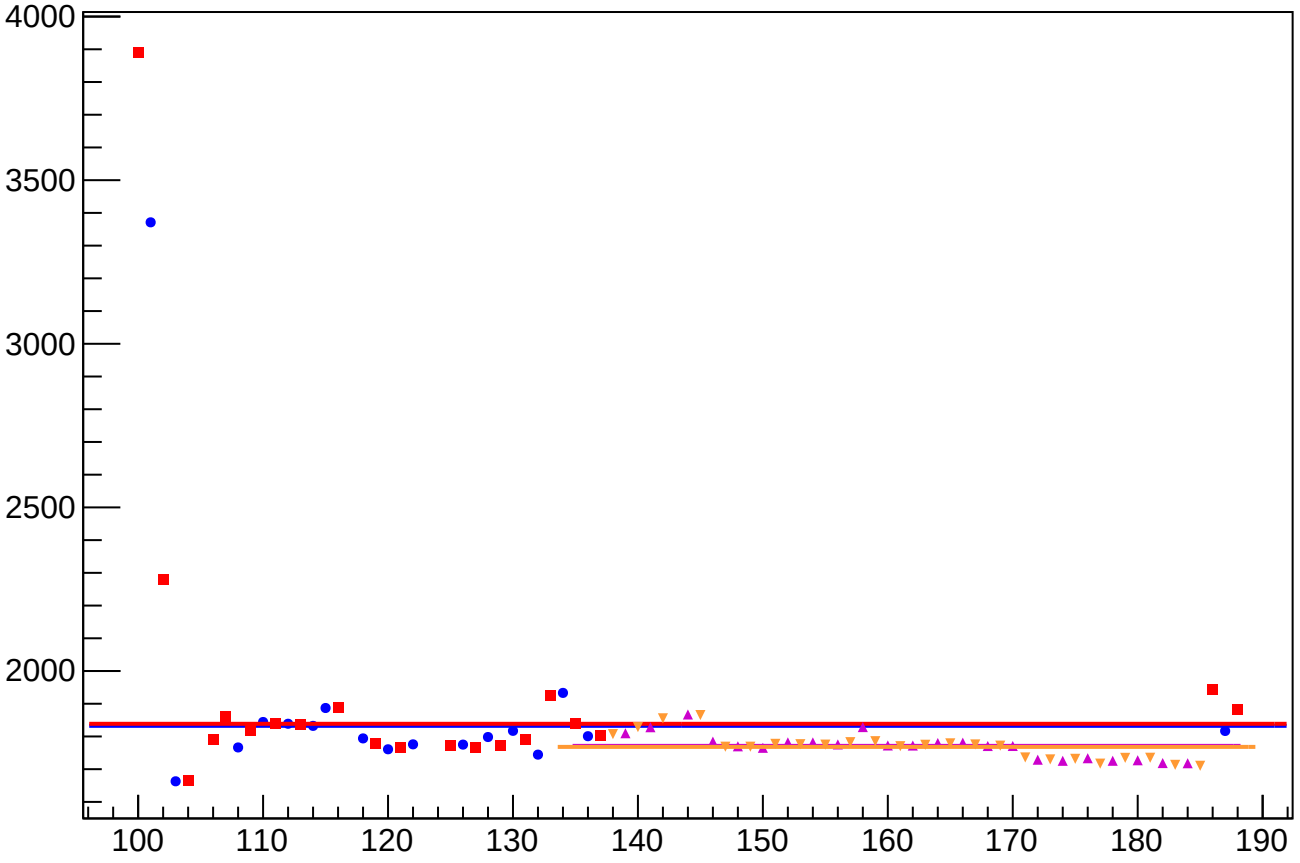
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

\+ sign -970.849+/-351.377 χ^2/NDF: 35.2/40

All: -282.392+/-246.489 χ^2/NDF: 82.5/83

\- sign 384.637+/-345.865 χ^2/NDF: 39.7/42

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.520+/-0.481 χ^2/NDF: 295470.3/16

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

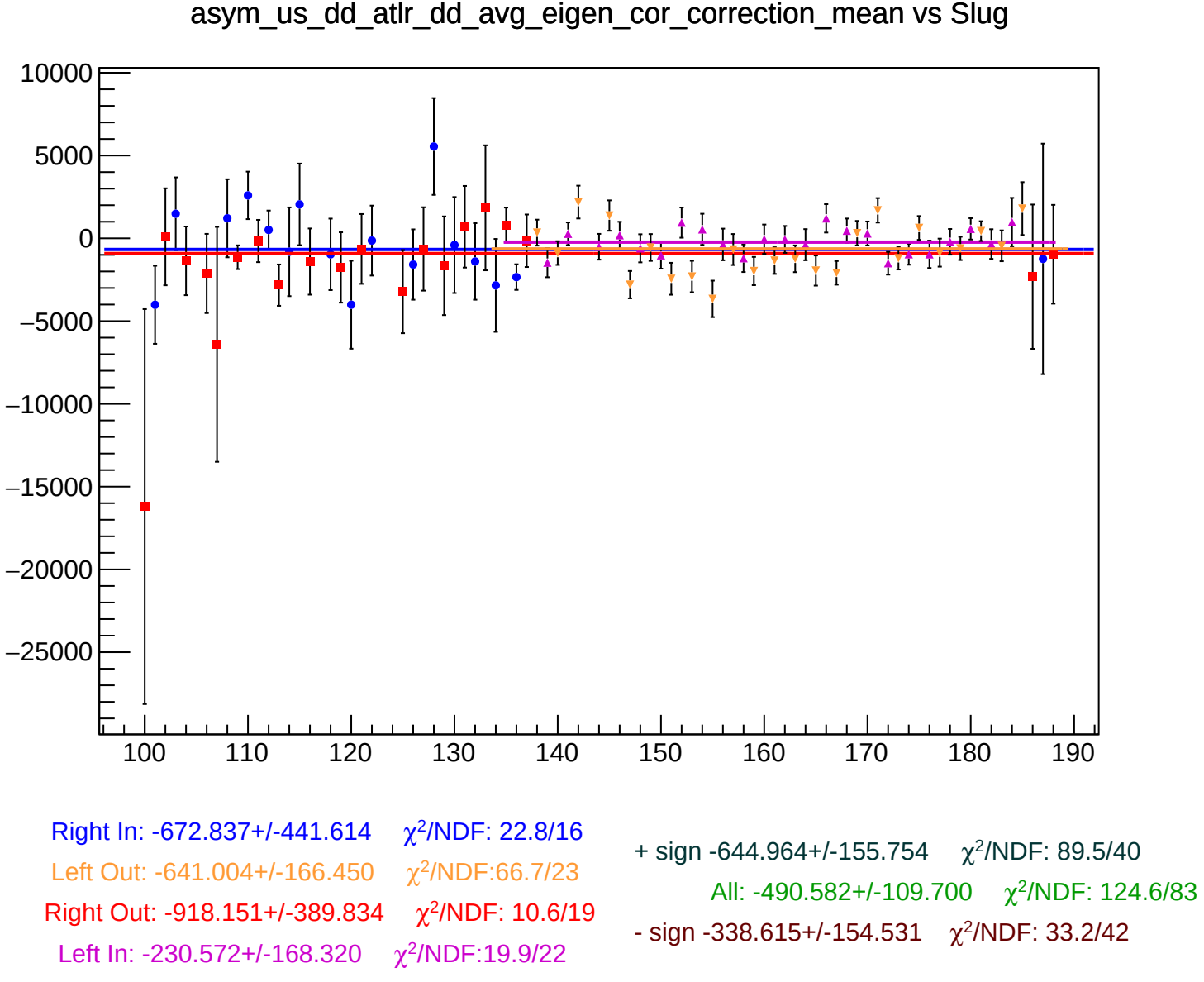
Right Out: 1838.678+/-0.446 χ^2/NDF: 106236.1/19

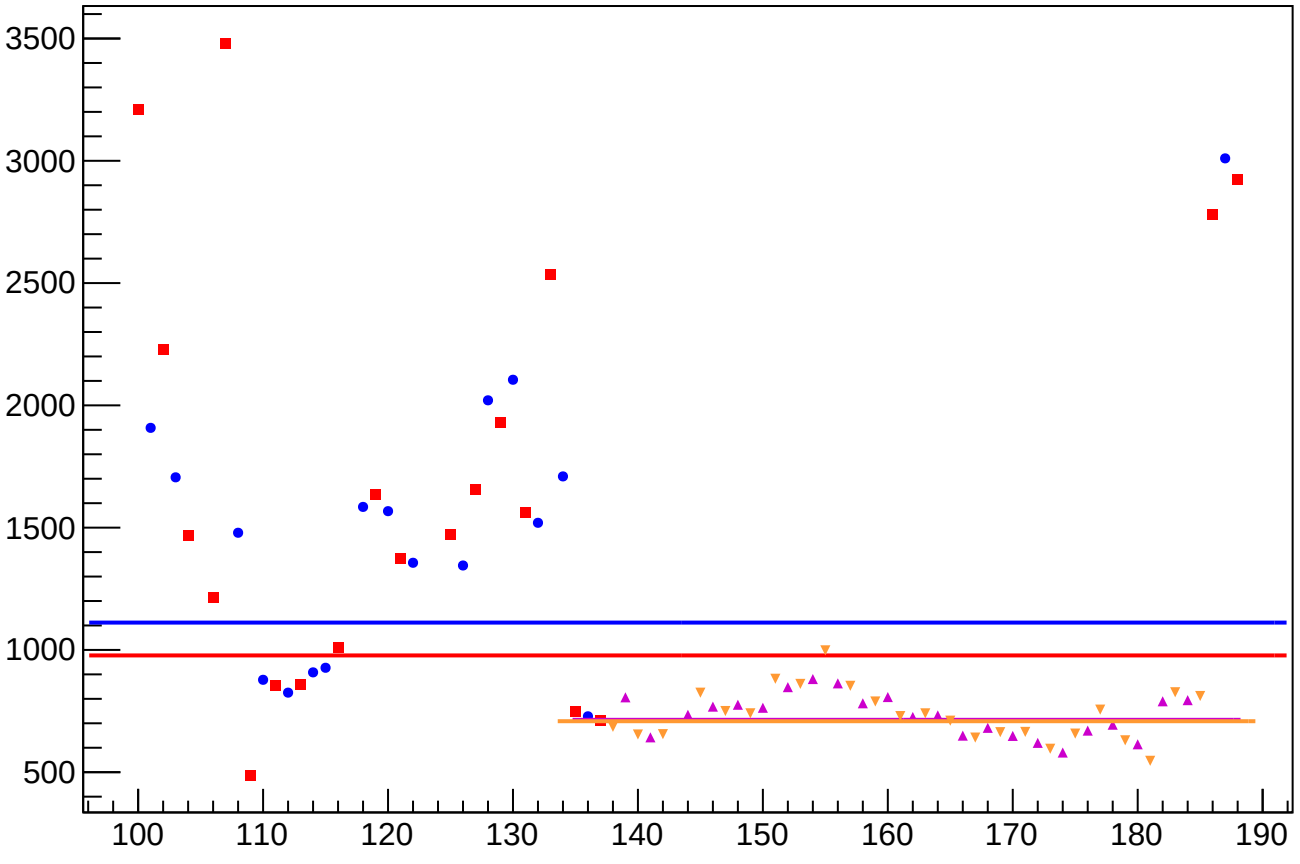
Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.327+/-0.248 χ^2/NDF: 324978.4/40

All: 1788.469+/-0.174 χ^2/NDF: 463959.3/83

- sign 1791.513+/-0.245 χ^2/NDF: 138666.1/42


asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -672.837+/-441.614 χ²/NDF: 22.8/16
Left Out: -641.004+/-166.450 χ²/NDF:66.7/23
Right Out: -918.151+/-389.834 χ²/NDF: 10.6/19
Left In: -230.572+/-168.320 χ²/NDF:19.9/22
+ sign -644.964+/-155.754 χ²/NDF: 89.5/40
All: -490.582+/-109.700 χ²/NDF: 124.6/83
- sign -338.615+/-154.531 χ²/NDF: 33.2/42



Right In: 1111.770+/-0.312 χ^2/NDF: 2043742.6/16

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 977.477+/-0.276 χ^2/NDF: 4277013.3/19

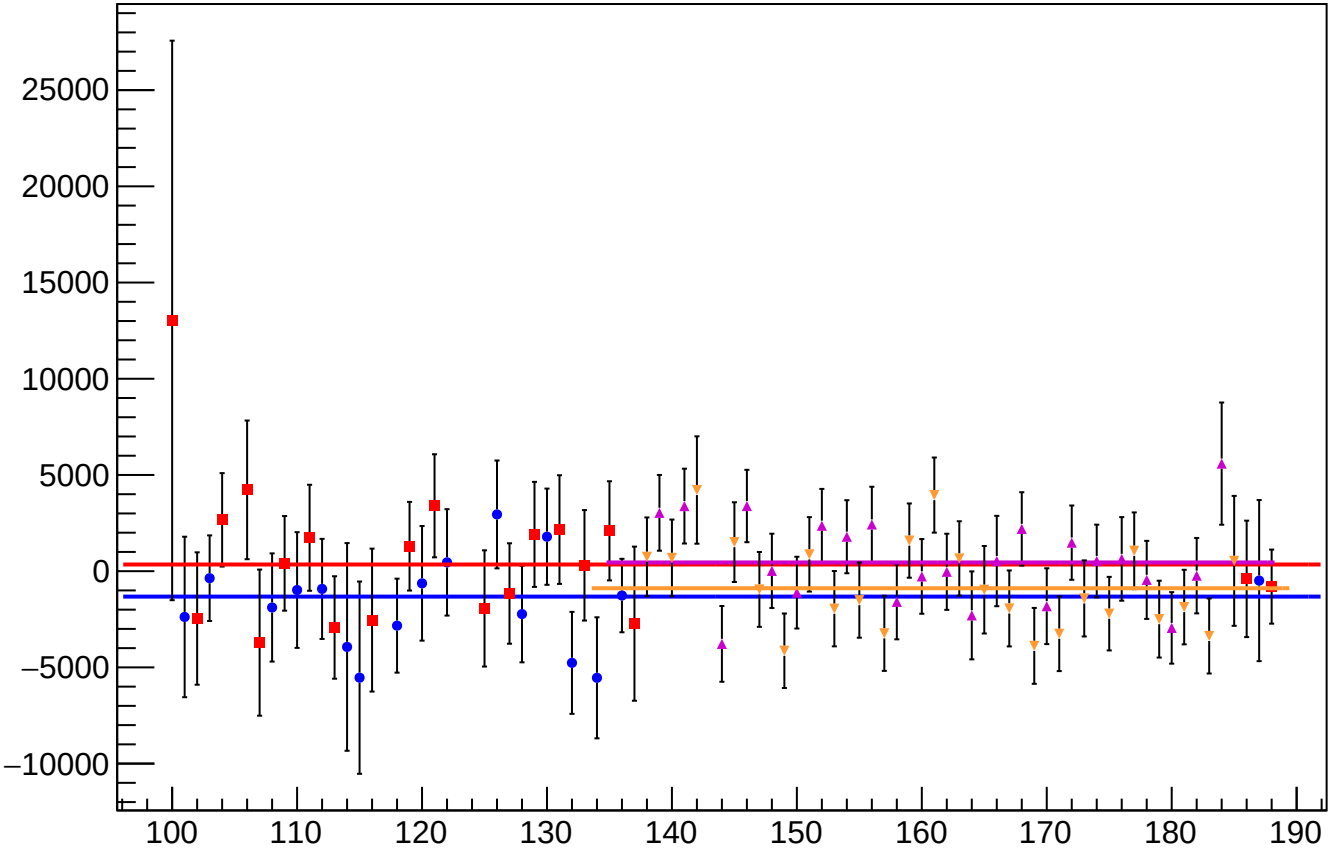
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 758.671+/-0.110 χ^2/NDF: 4204443.8/40

All: 757.095+/-0.078 χ^2/NDF: 9748179.7/83

- sign 755.543+/-0.109 χ^2/NDF: 5543329.4/42

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1321.304+/-681.719 χ^2/NDF: 9.7/16

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 346.967+/-635.804 χ^2/NDF: 11.6/19

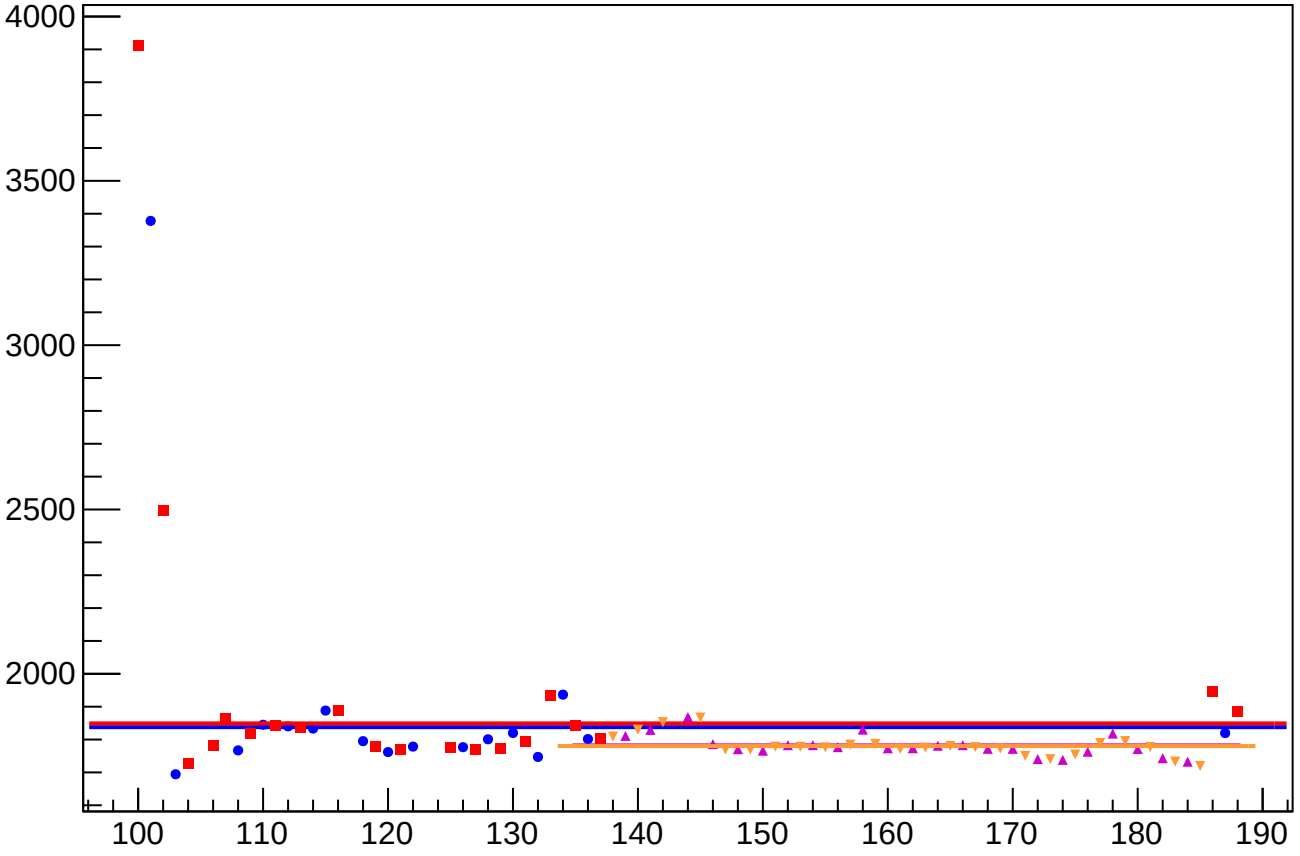
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -1003.224+/-353.376 χ^2/NDF: 38.1/40

All: -280.475+/-248.034 χ^2/NDF: 83.8/83

- sign 421.360+/-348.226 χ^2/NDF: 37.4/42

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1837.669+/-0.482 χ^2/NDF: 292022.0/16

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

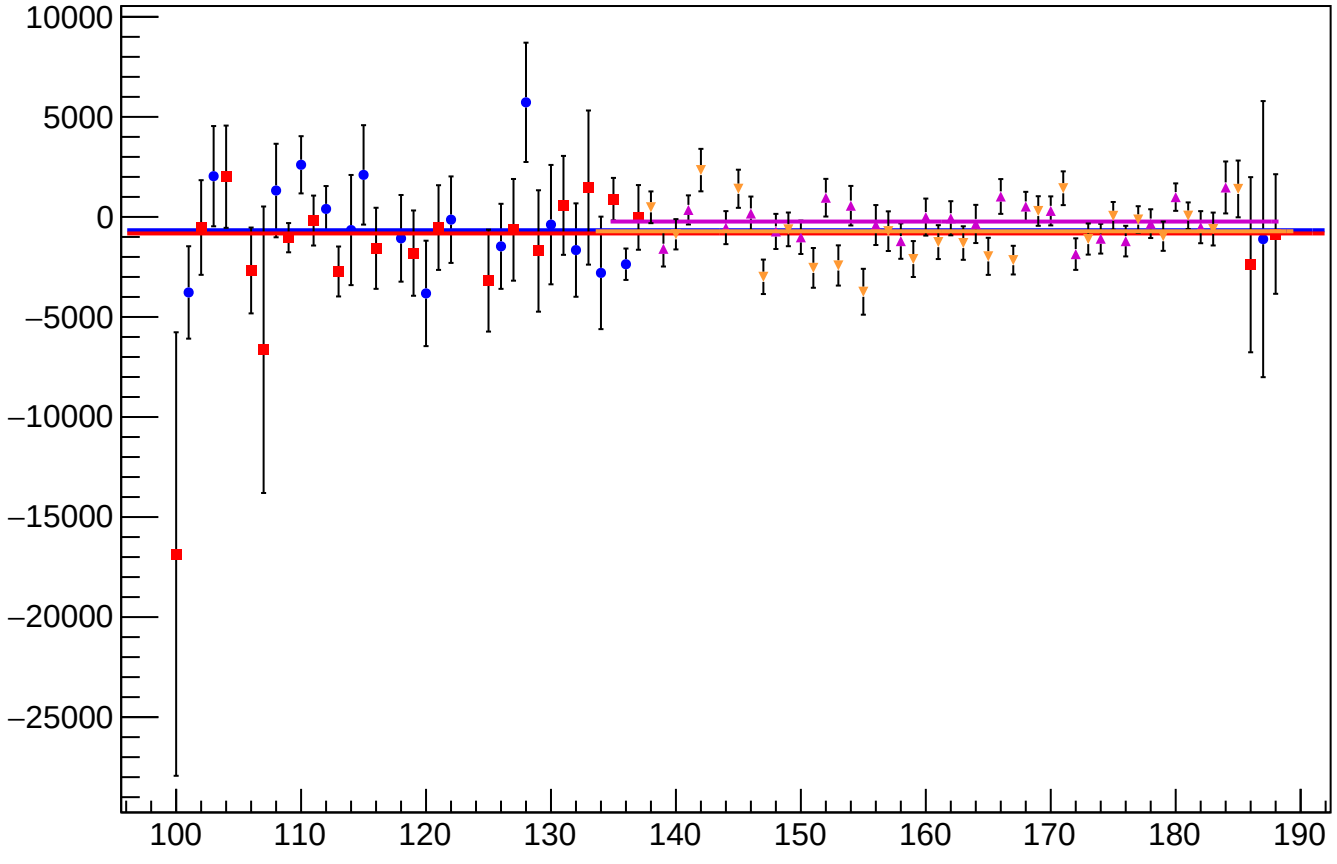
Right Out: 1849.097+/-0.450 χ^2/NDF: 131367.0/19

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.657+/-0.250 χ^2/NDF: 312788.8/40

All: 1799.045+/-0.175 χ^2/NDF: 471204.5/83

- sign 1802.336+/-0.246 χ^2/NDF: 158053.1/42



Right In: -665.344+/-444.975 χ^2/NDF: 22.8/16

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: -825.559+/-392.142 χ^2/NDF: 12.4/19

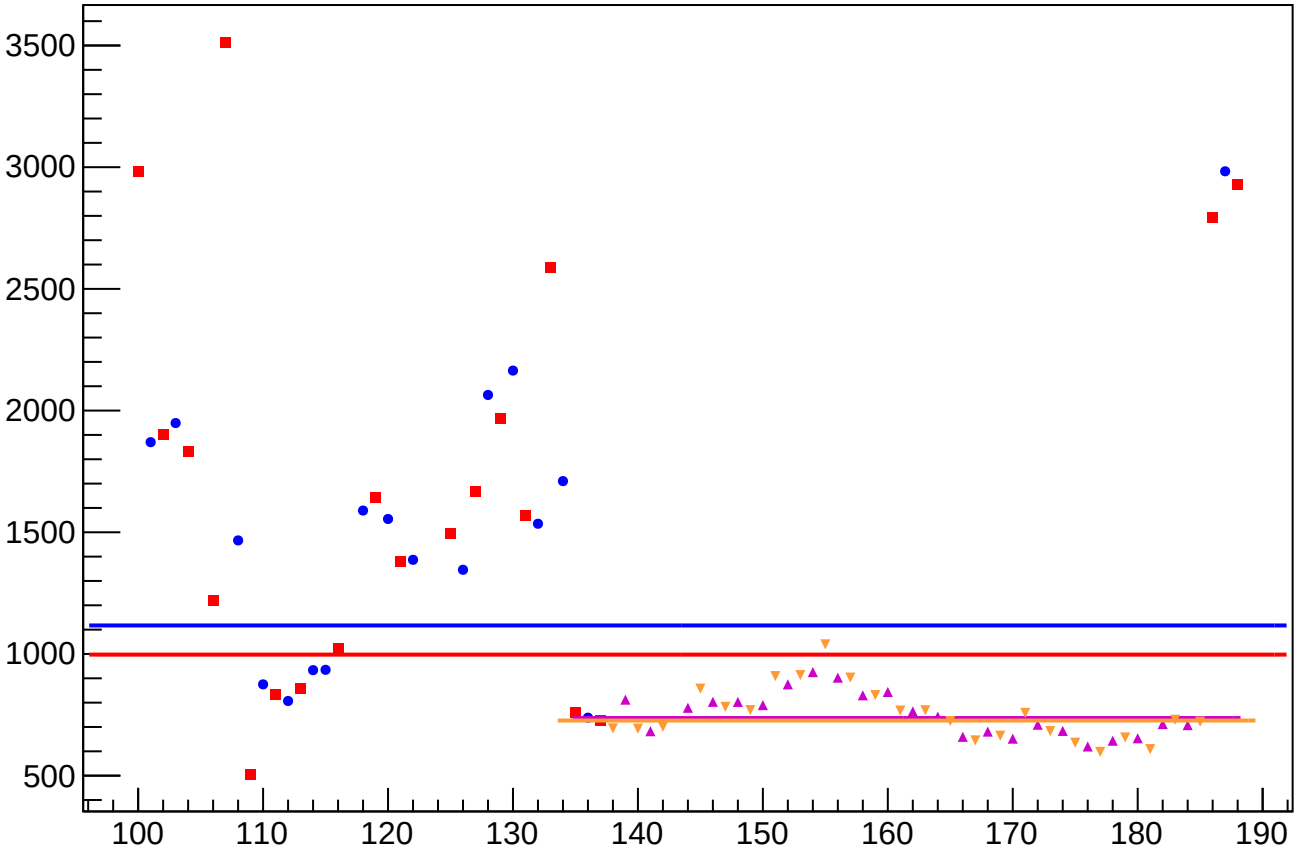
Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -710.031+/-159.296 χ^2/NDF: 82.1/40

All: -518.469+/-112.398 χ^2/NDF: 123.4/83

- sign -328.541+/-158.615 χ^2/NDF: 38.4/42

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1117.156+/-0.315 χ^2/NDF: 2120257.6/16

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

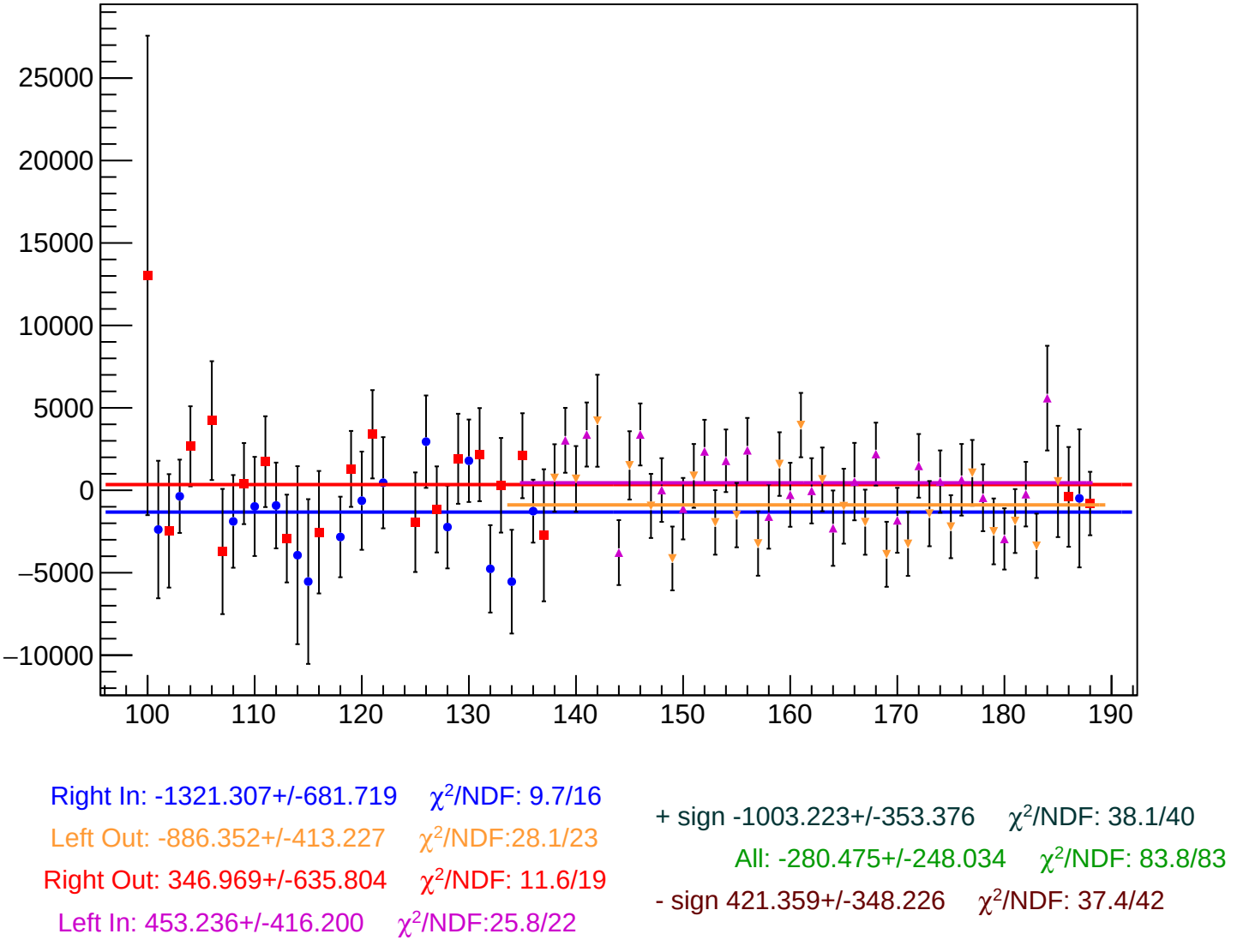
Right Out: 997.325+/-0.277 χ^2/NDF: 4255191.3/19

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

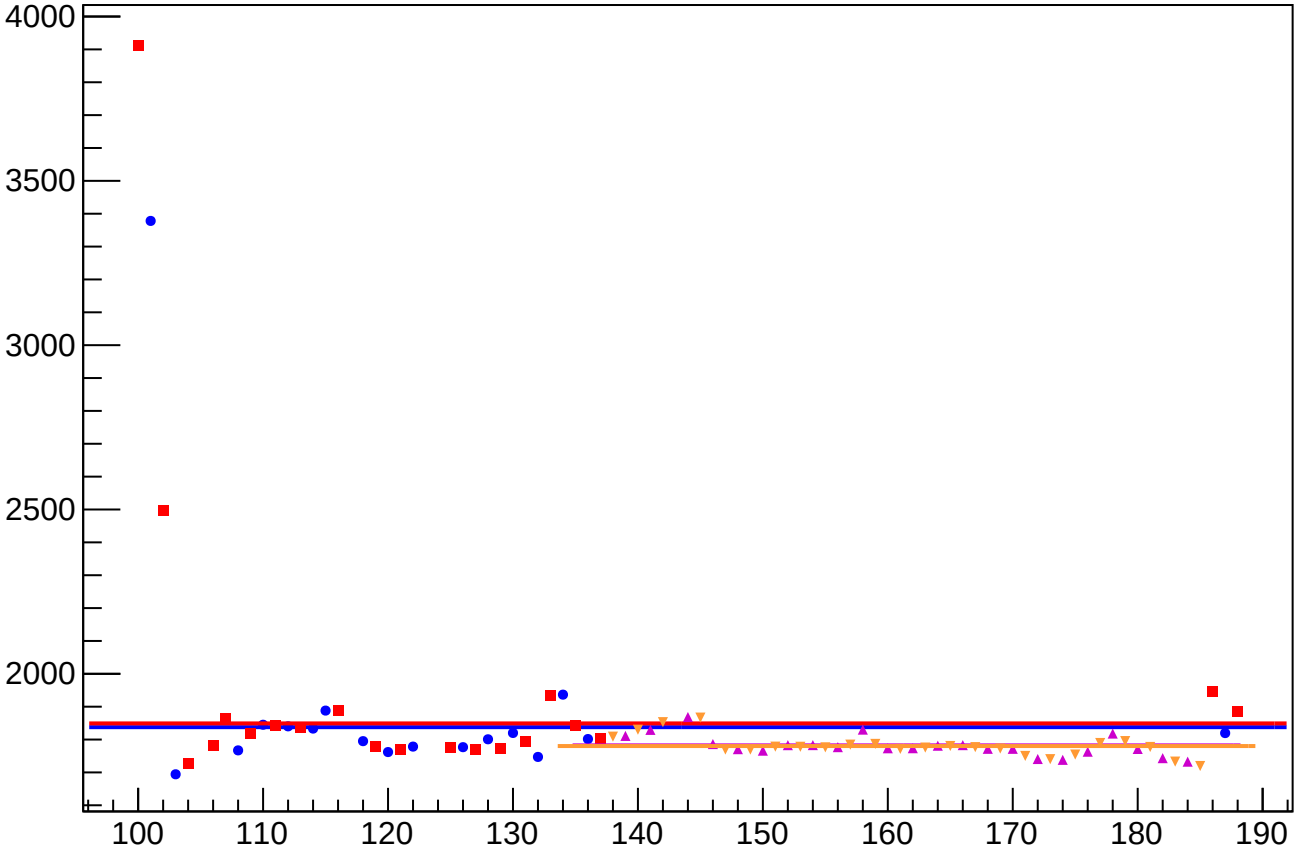
\+ sign 776.656+/-0.113 χ^2/NDF: 4148280.4/40

All: 778.008+/-0.079 χ^2/NDF: 9607648.5/83

\- sign 779.348+/-0.112 χ^2/NDF: 5459081.3/42


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -1321.307+/-681.719 χ²/NDF: 9.7/16
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: 346.969+/-635.804 χ²/NDF: 11.6/19
Left In: 453.236+/-416.200 χ²/NDF:25.8/22
+ sign -1003.223+/-353.376 χ²/NDF: 38.1/40
All: -280.475+/-248.034 χ²/NDF: 83.8/83
- sign 421.359+/-348.226 χ²/NDF: 37.4/42

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1837.669+/-0.482 χ^2/NDF: 292021.9/16

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

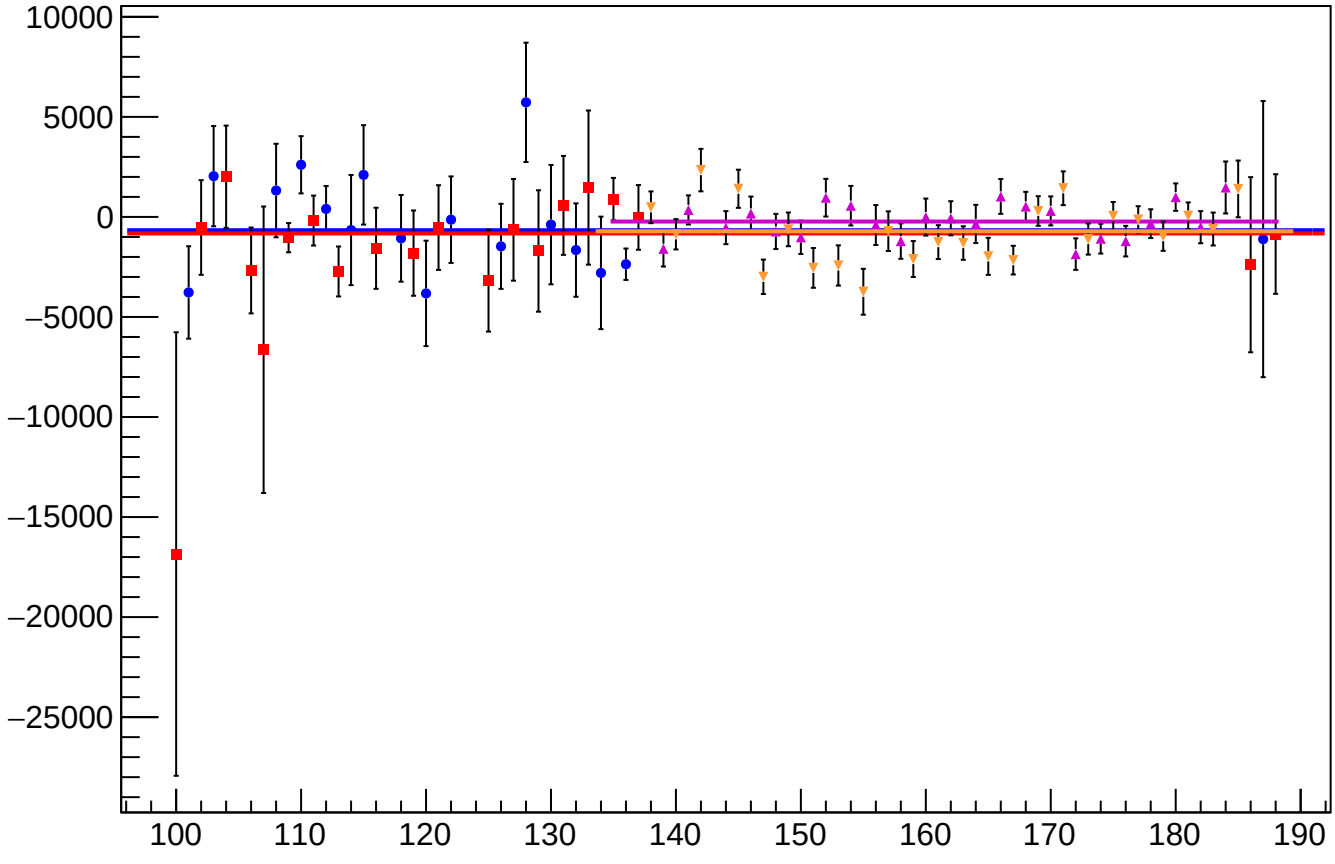
Right Out: 1849.097+/-0.450 χ^2/NDF: 131367.1/19

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.657+/-0.250 χ^2/NDF: 312788.9/40

All: 1799.045+/-0.175 χ^2/NDF: 471204.7/83

- sign 1802.336+/-0.246 χ^2/NDF: 158053.3/42



Right In: -665.330+/-444.976 χ^2/NDF: 22.8/16

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

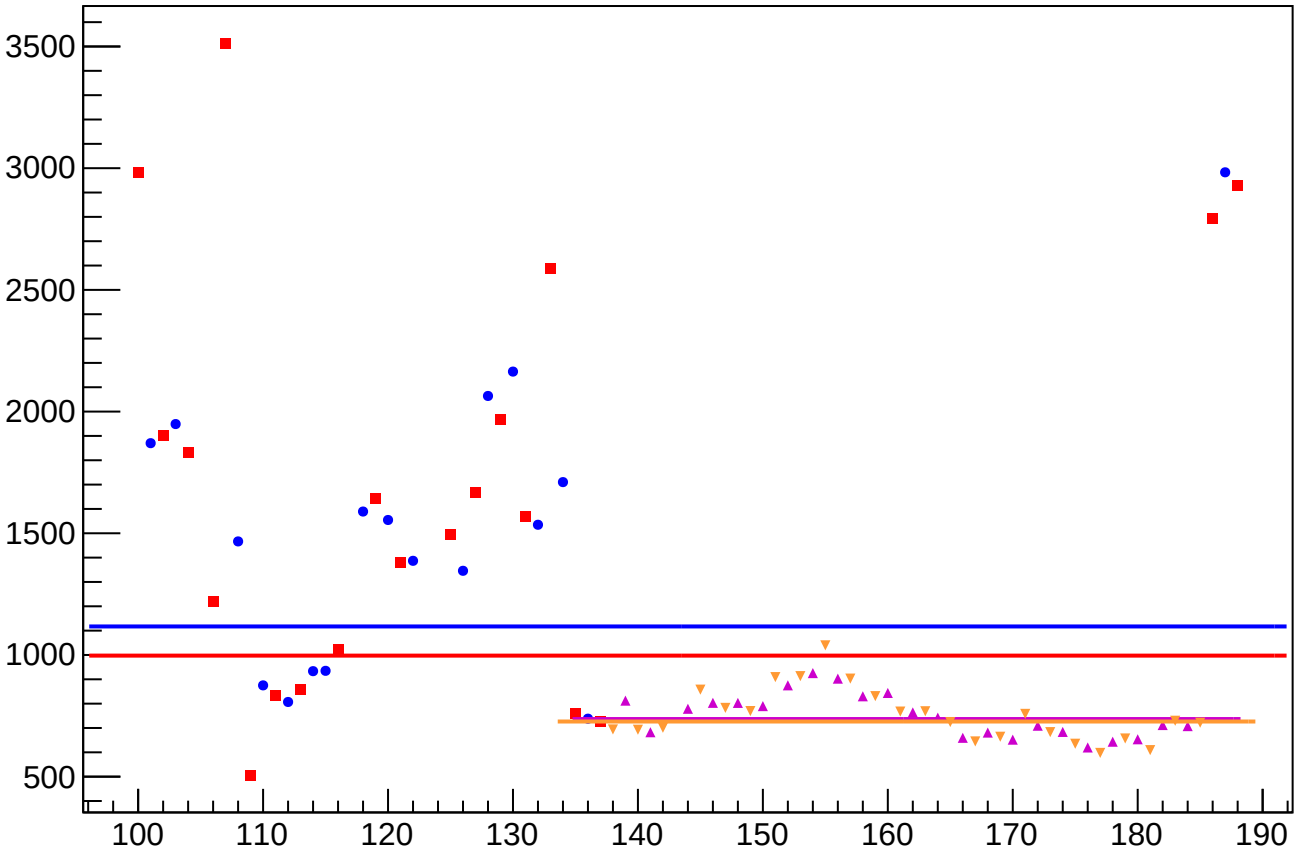
Right Out: -825.565+/-392.142 χ^2/NDF: 12.4/19

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -710.030+/-159.296 χ^2/NDF: 82.1/40

All: -518.468+/-112.398 χ^2/NDF: 123.4/83

- sign -328.541+/-158.615 χ^2/NDF: 38.4/42



Right In: 1117.158+/-0.315 χ^2/NDF: 2120217.7/16

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 997.327+/-0.277 χ^2/NDF: 4255162.6/19

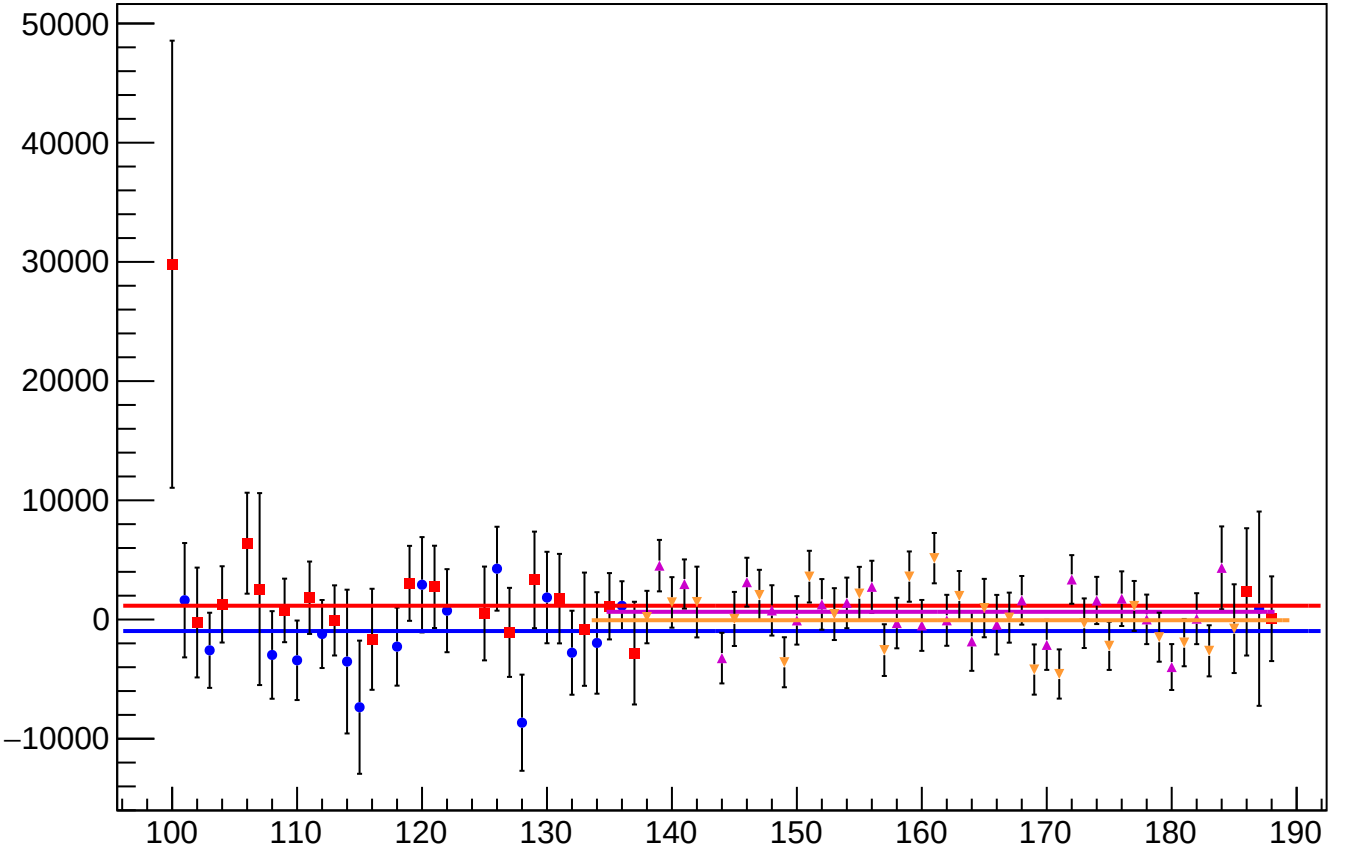
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

\+ sign 776.656+/-0.113 χ^2/NDF: 4148252.4/40

All: 778.008+/-0.079 χ^2/NDF: 9607619.1/83

\- sign 779.348+/-0.112 χ^2/NDF: 5459080.0/42

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -965.972+/-868.859 χ^2/NDF: 12.0/16

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1157.624+/-835.031 χ^2/NDF: 7.1/19

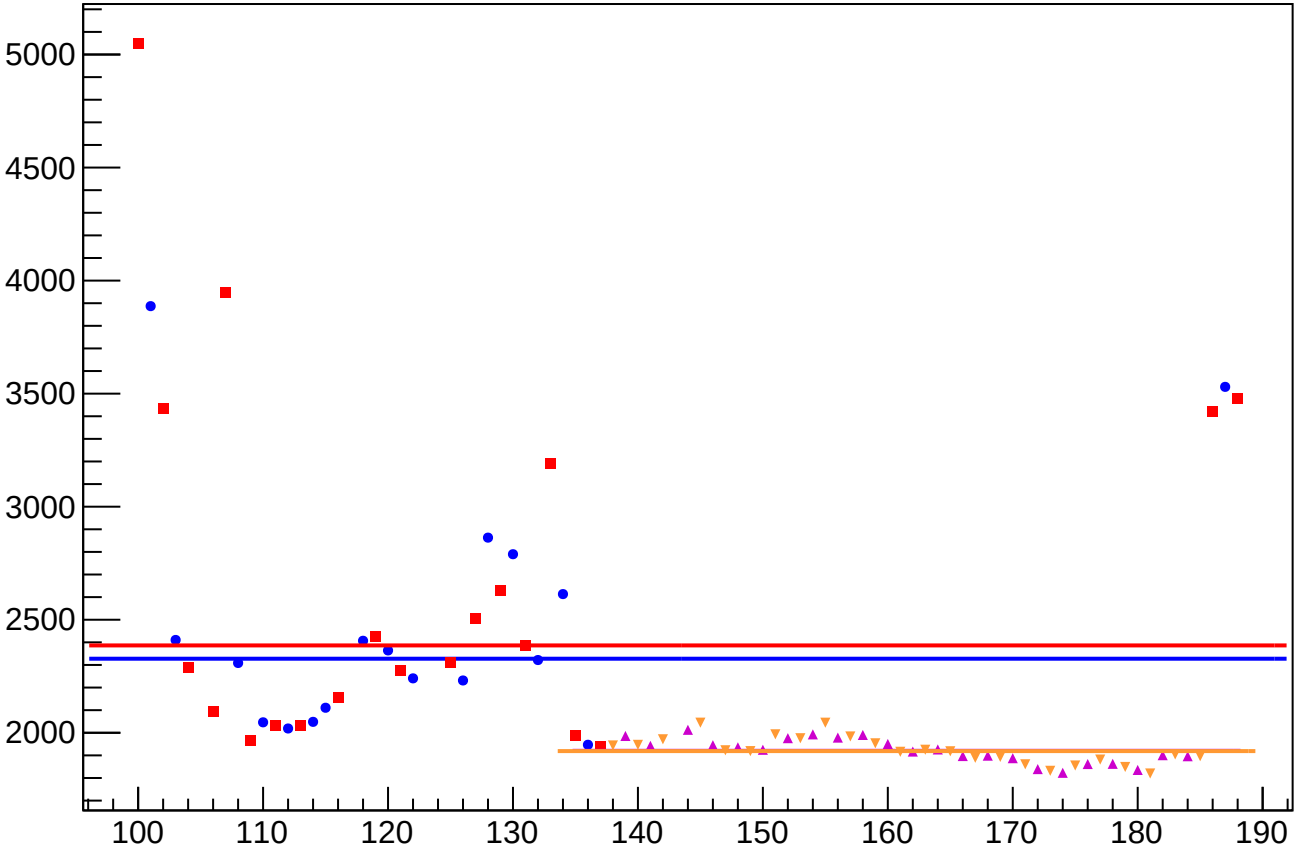
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -248.342+/-396.498 χ^2/NDF: 45.9/40

All: 258.195+/-279.885 χ^2/NDF: 80.2/83

- sign 761.270+/-395.141 χ^2/NDF: 31.1/42

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2327.566+/-0.614 χ^2/NDF: 446799.7/16

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

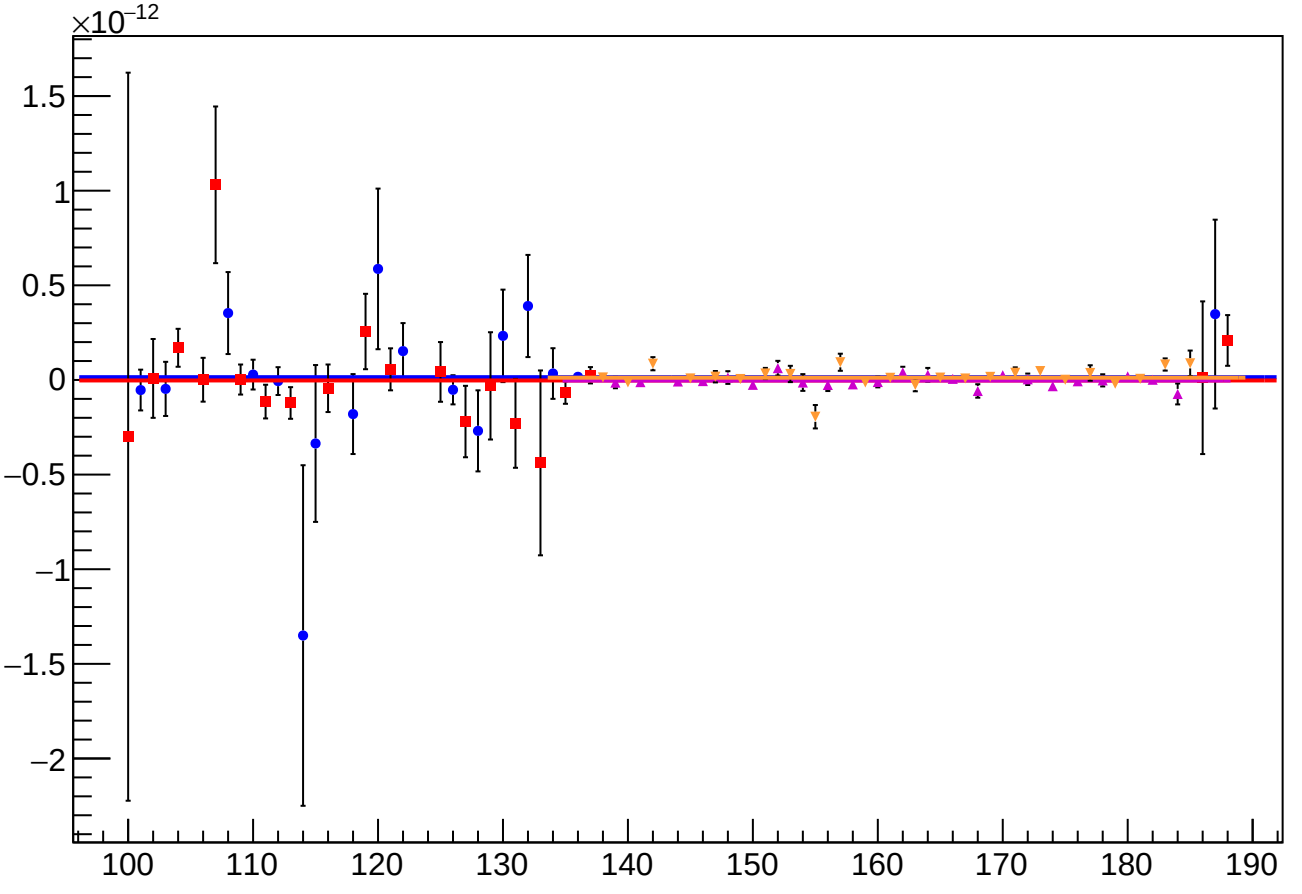
Right Out: 2386.380+/-0.590 χ^2/NDF: 740557.0/19

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2004.064+/-0.280 χ^2/NDF: 832559.9/40

All: 2014.368+/-0.198 χ^2/NDF: 2089465.3/83

- sign 2024.601+/-0.279 χ^2/NDF: 1254213.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

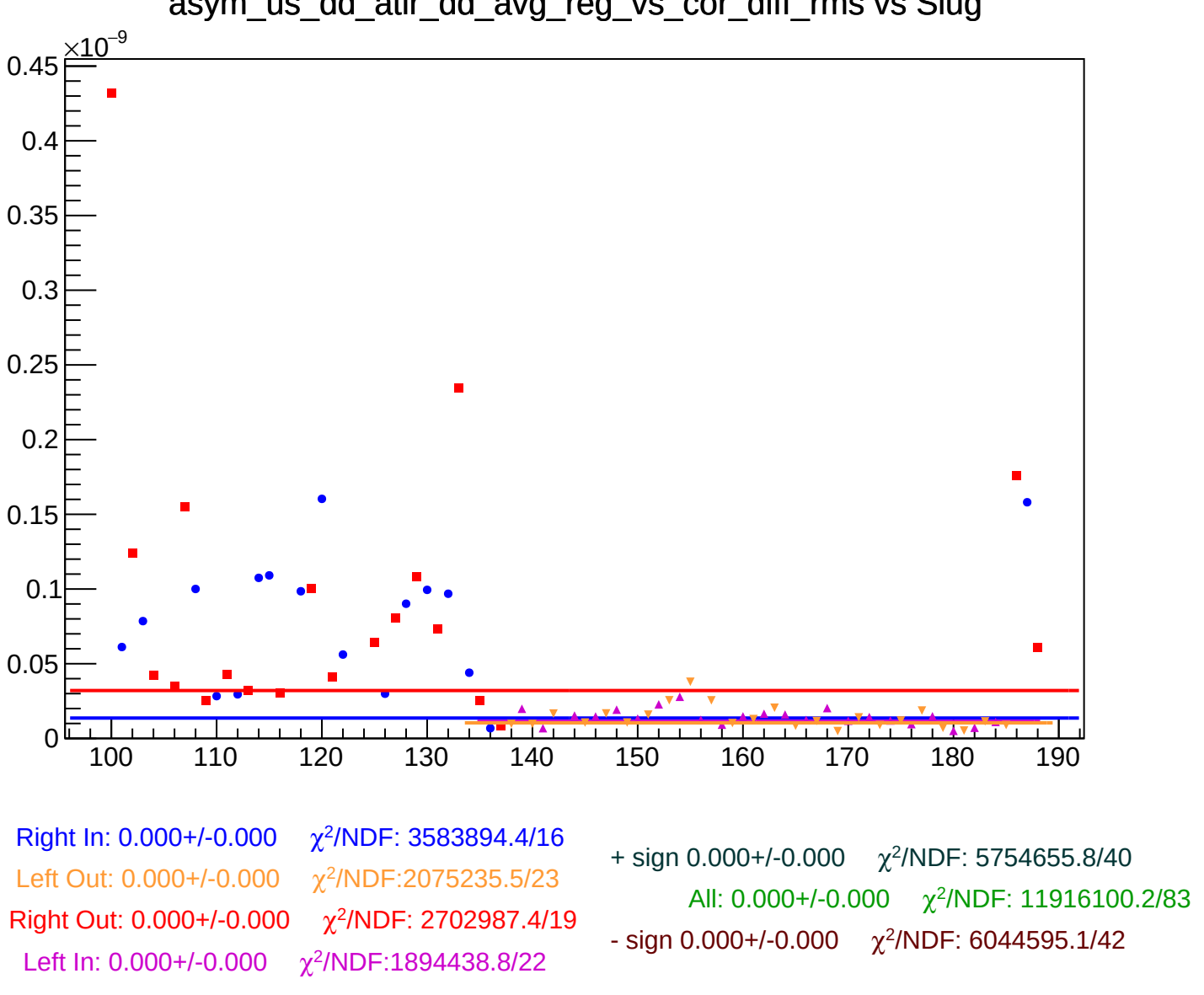
Right Out: -0.000+/-0.000 χ^2/NDF: 22.1/19

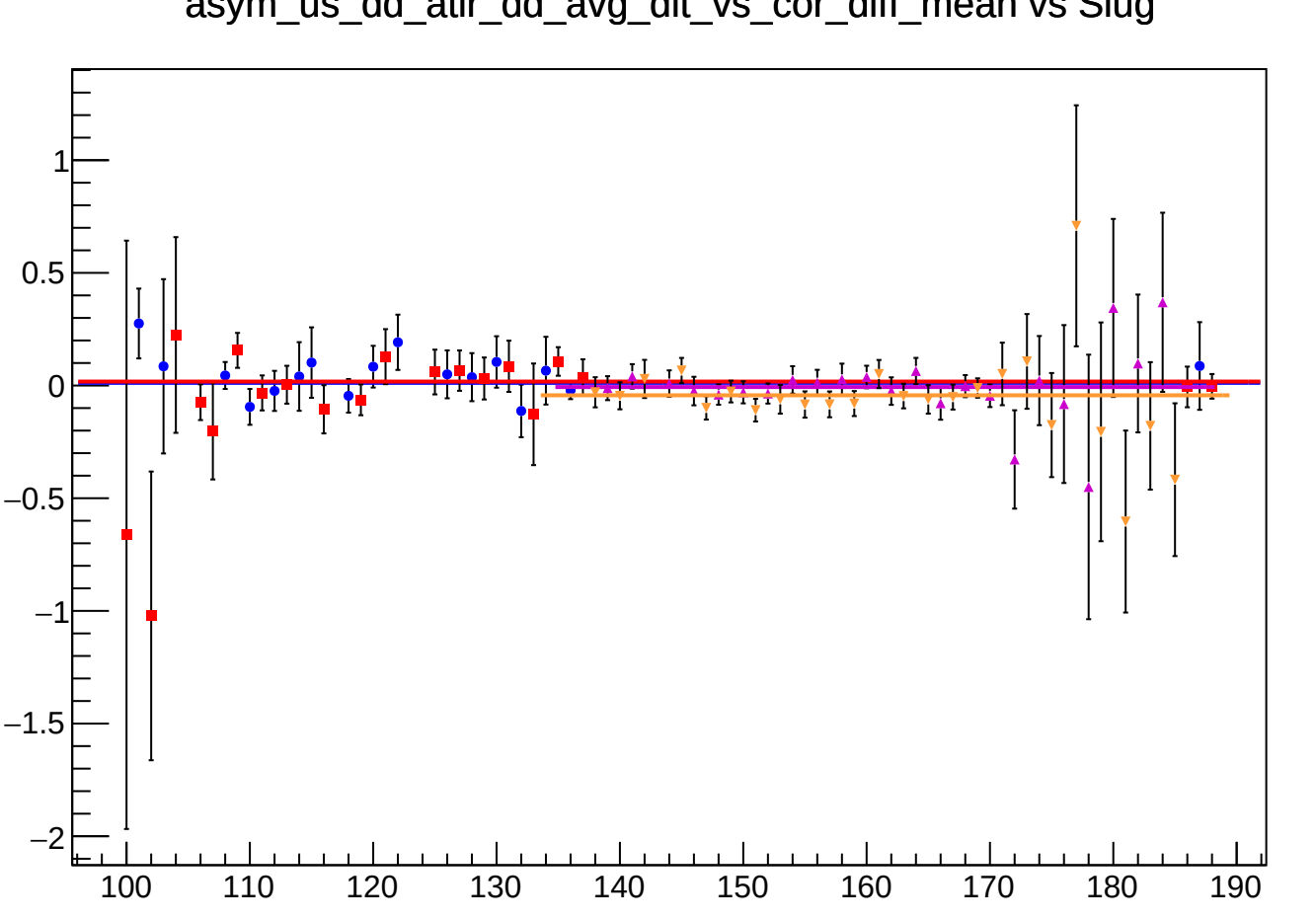
Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.5/40

All: 0.000+/-0.000 χ^2/NDF: 100.4/83

- sign -0.000+/-0.000 χ^2/NDF: 41.6/42


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3583894.4/16
Left Out: 0.000+/-0.000 χ²/NDF:2075235.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 2702987.4/19
Left In: 0.000+/-0.000 χ²/NDF:1894438.8/22
+ sign 0.000+/-0.000 χ²/NDF: 5754655.8/40
All: 0.000+/-0.000 χ²/NDF: 11916100.2/83
- sign 0.000+/-0.000 χ²/NDF: 6044595.1/42



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

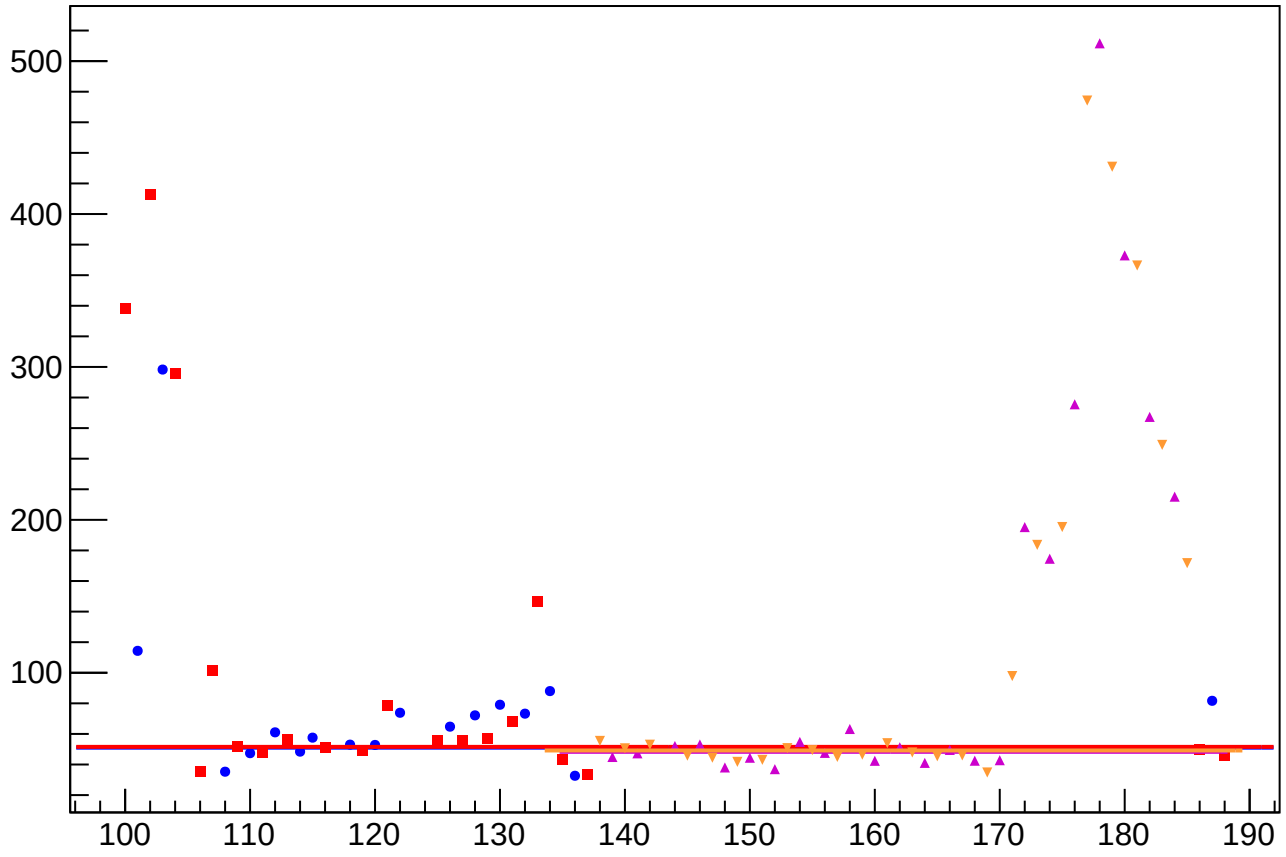
Right Out: 0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.027+/-0.012 χ^2/NDF: 35.3/40

All: -0.013+/-0.008 χ^2/NDF: 66.7/83

- sign 0.001+/-0.011 χ^2/NDF: 28.5/42



Right In: 51.032+/-0.015 χ^2/NDF: 2316646.8/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

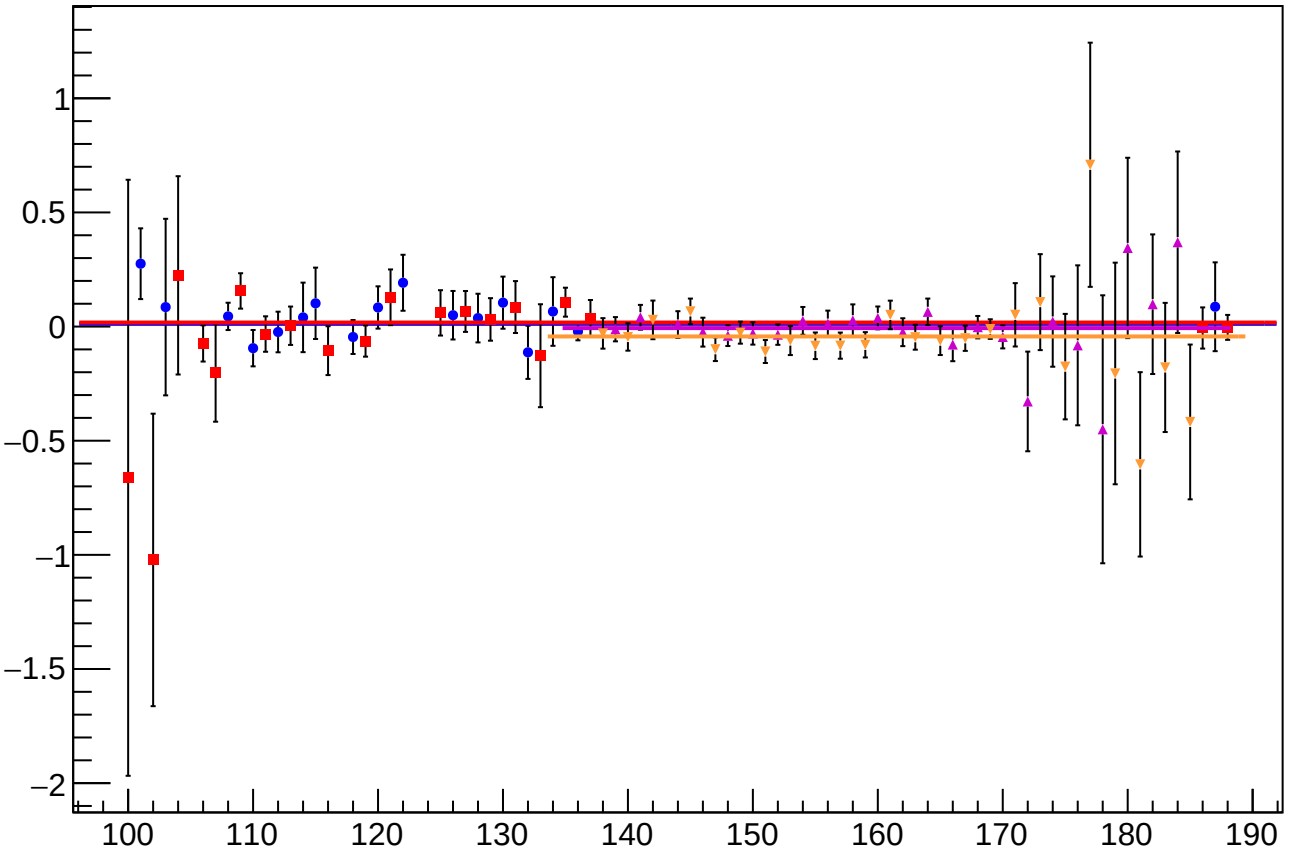
Right Out: 51.535+/-0.015 χ^2/NDF: 2239338.2/19

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 49.718+/-0.008 χ^2/NDF: 9577044.9/40

All: 49.487+/-0.006 χ^2/NDF: 18892606.5/83

\- sign 49.271+/-0.008 χ^2/NDF: 9314058.2/42



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

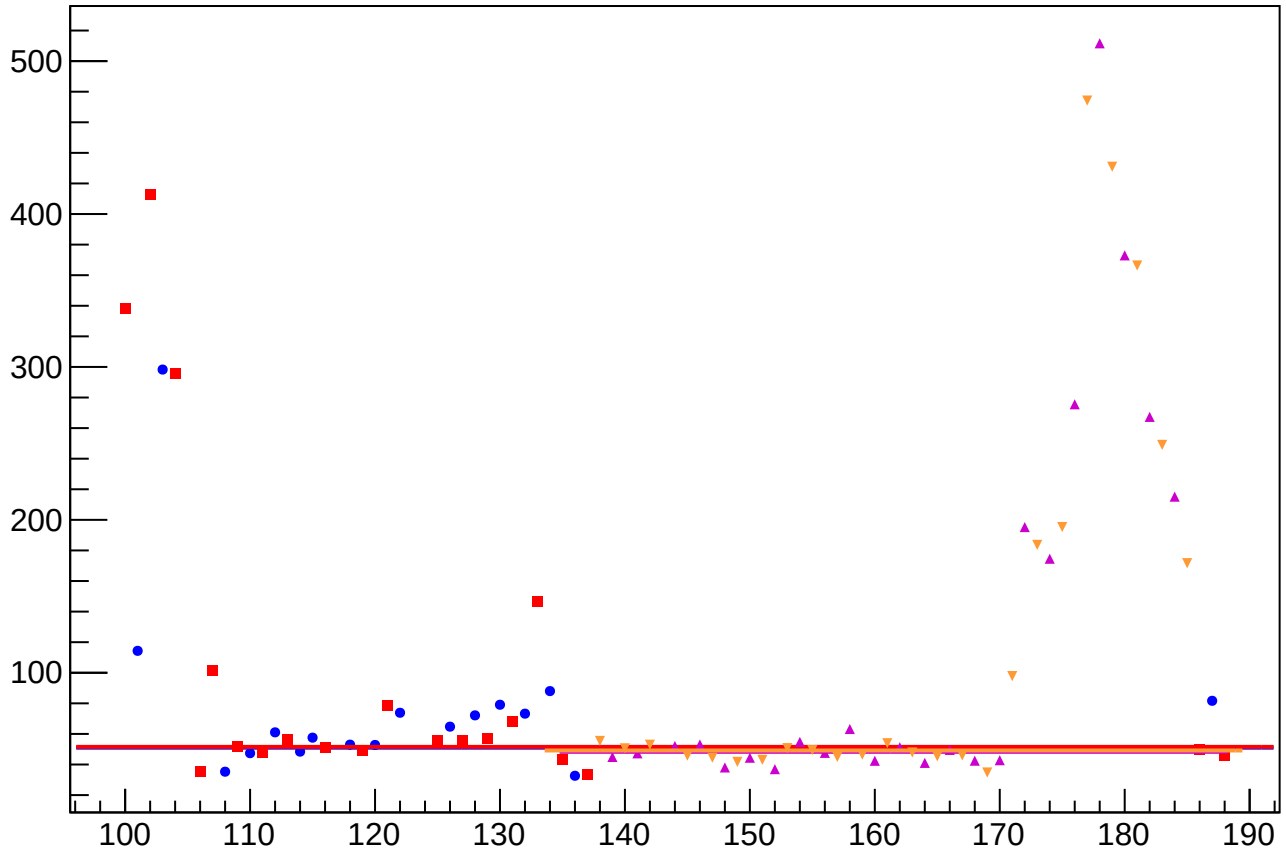
Right Out: 0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.027+/-0.012 χ^2/NDF: 35.3/40

All: -0.013+/-0.008 χ^2/NDF: 66.7/83

- sign 0.001+/-0.011 χ^2/NDF: 28.5/42



Right In: 51.032+/-0.015 χ^2/NDF: 2316646.8/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

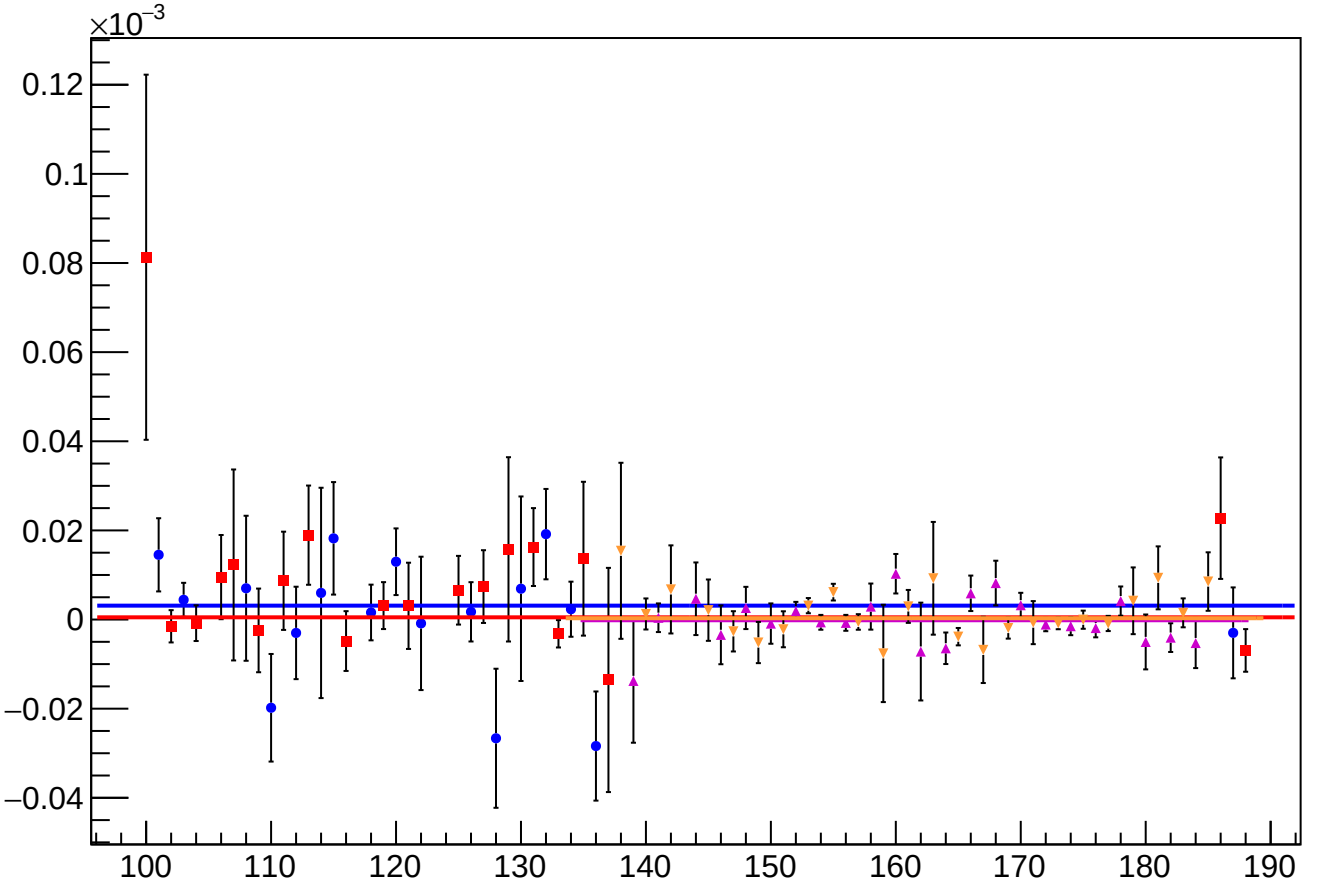
Right Out: 51.535+/-0.015 χ^2/NDF: 2239338.2/19

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 49.718+/-0.008 χ^2/NDF: 9577044.9/40

All: 49.487+/-0.006 χ^2/NDF: 18892606.5/83

- sign 49.271+/-0.008 χ^2/NDF: 9314058.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/19

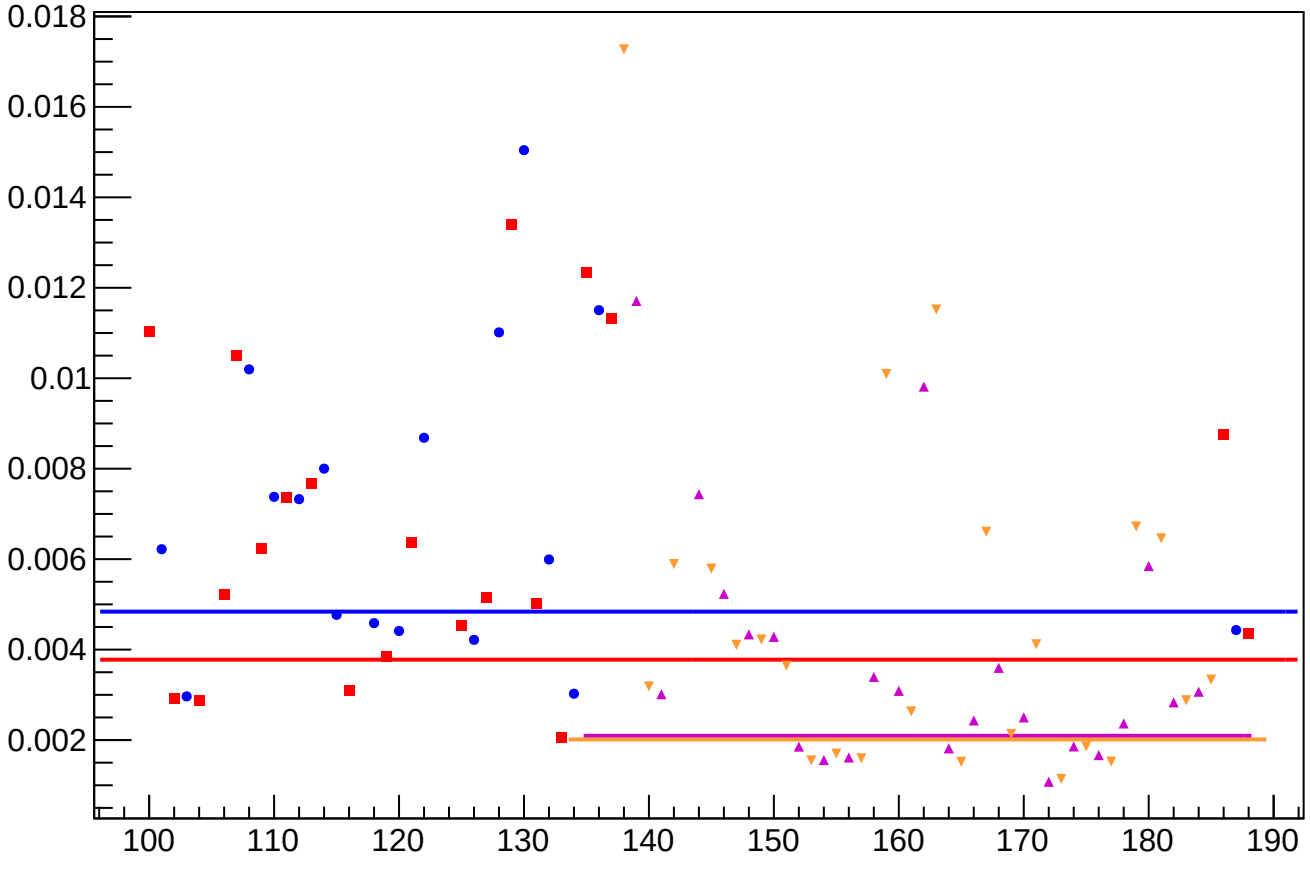
Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.2/40

All: 0.000+/-0.000 χ^2/NDF: 101.6/83

- sign -0.000+/-0.000 χ^2/NDF: 47.9/42

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2748408.9/16

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

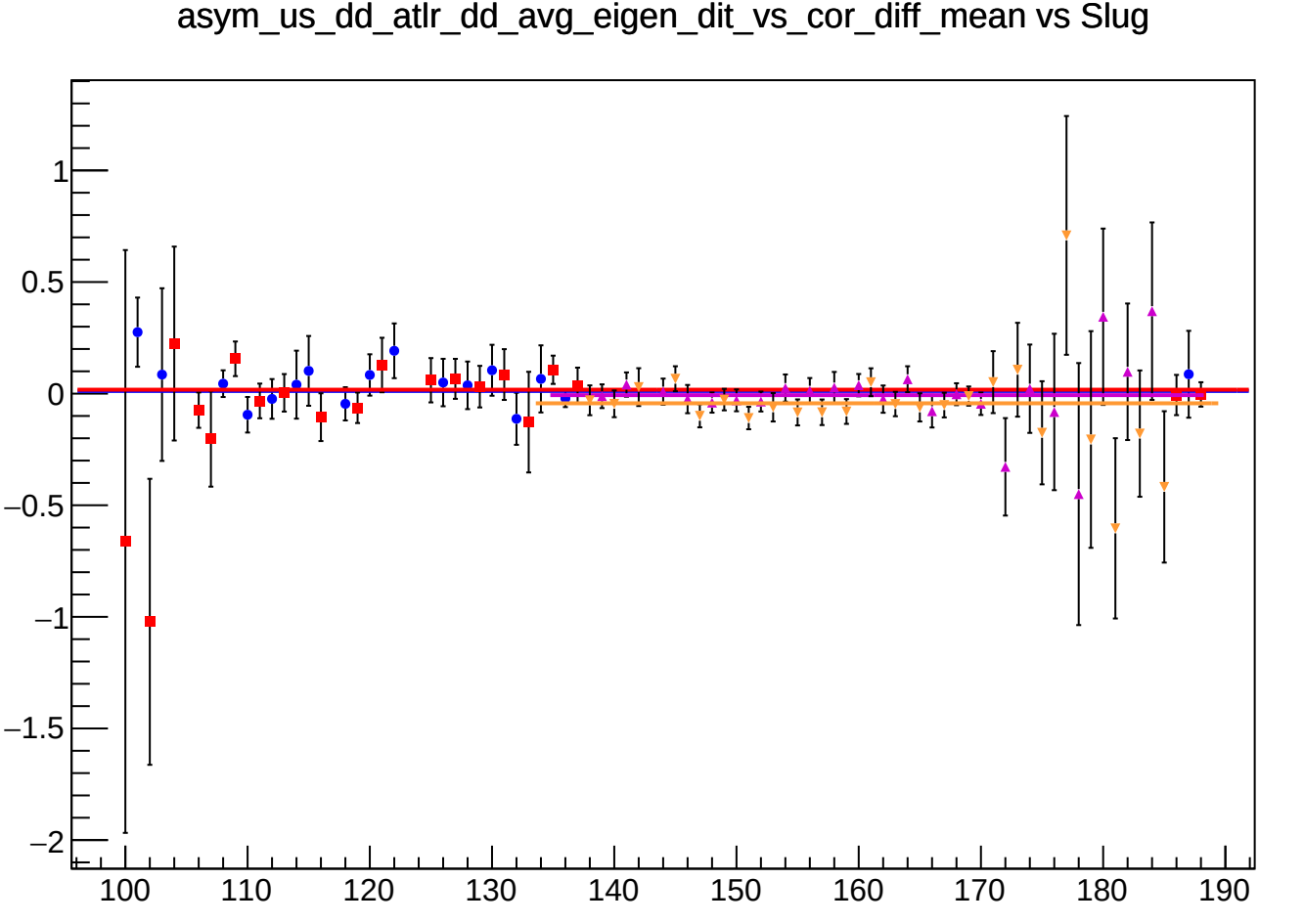
Right Out: 0.004+/-0.000 χ^2/NDF: 3416919.4/19

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 16580631.4/40

All: 0.002+/-0.000 χ^2/NDF: 29403829.9/83

- sign 0.002+/-0.000 χ^2/NDF: 12776249.4/42



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

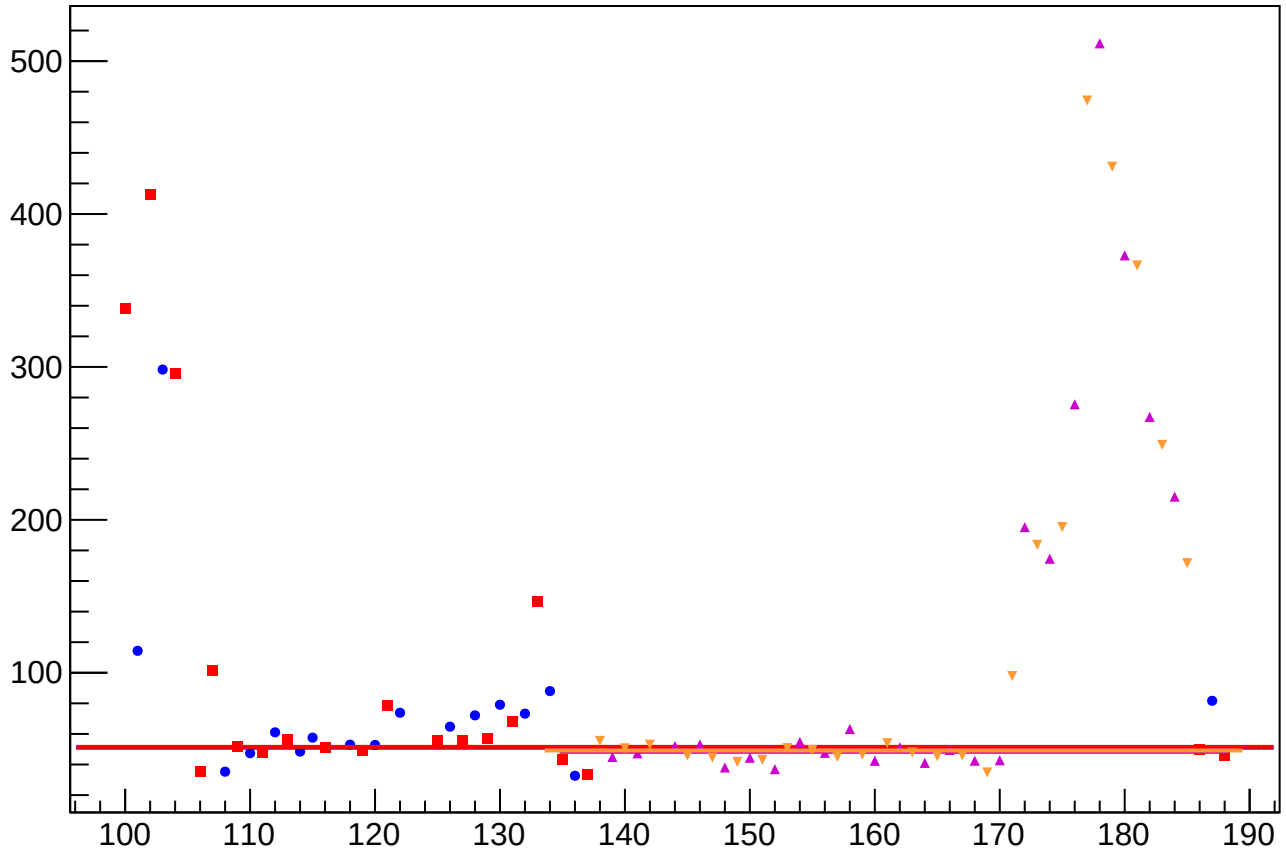
Right Out: 0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.027+/-0.012 χ^2/NDF: 35.3/40

All: -0.013+/-0.008 χ^2/NDF: 66.7/83

- sign 0.001+/-0.011 χ^2/NDF: 28.5/42



Right In: 51.033+/-0.015 χ^2/NDF: 2316555.0/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

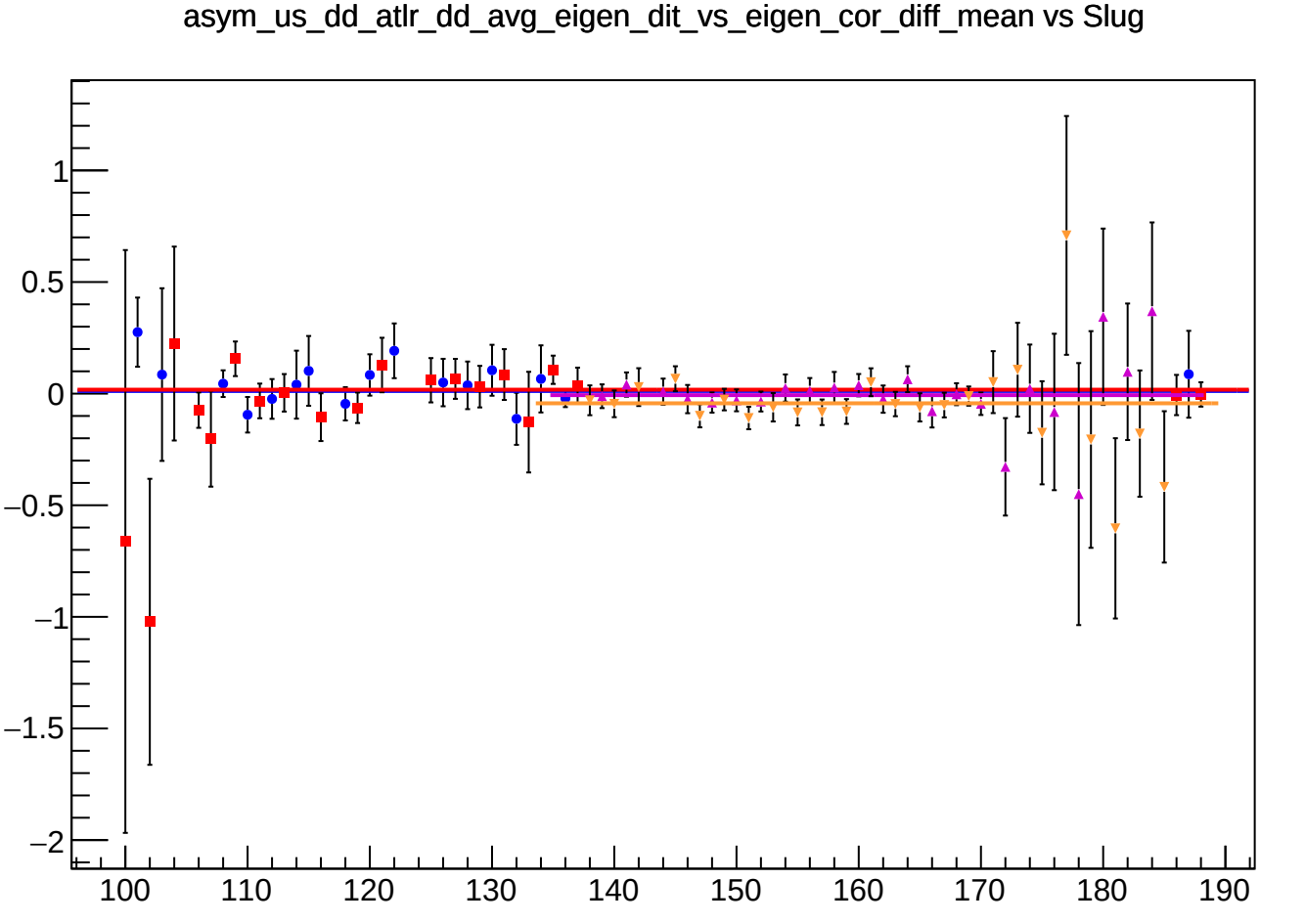
Right Out: 51.536+/-0.015 χ^2/NDF: 2239218.4/19

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 49.718+/-0.008 χ^2/NDF: 9576972.2/40

All: 49.487+/-0.006 χ^2/NDF: 18892341.5/83

\- sign 49.272+/-0.008 χ^2/NDF: 9313869.4/42



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

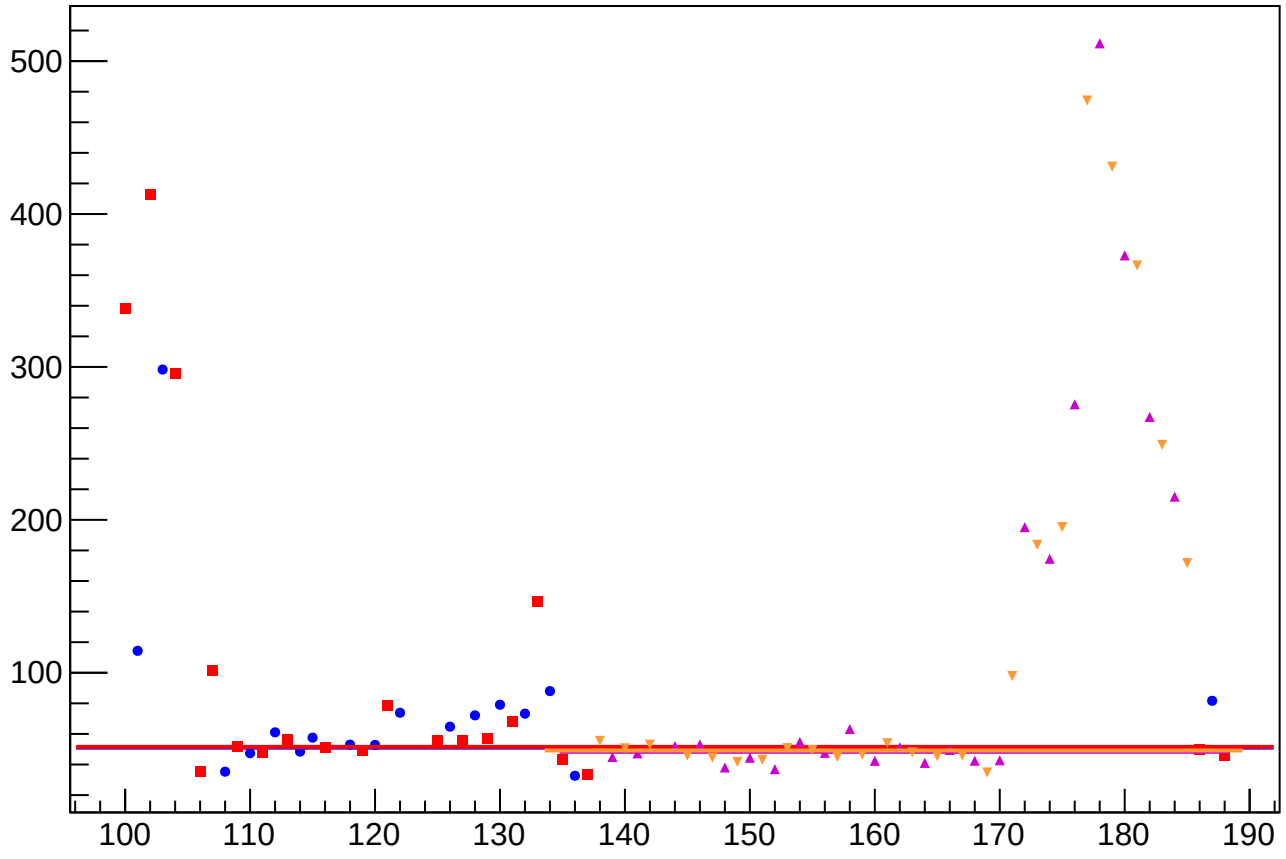
Right Out: 0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.027+/-0.012 χ^2/NDF: 35.3/40

All: -0.013+/-0.008 χ^2/NDF: 66.7/83

- sign 0.001+/-0.011 χ^2/NDF: 28.5/42



Right In: 51.033+/-0.015 χ^2/NDF: 2316555.0/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

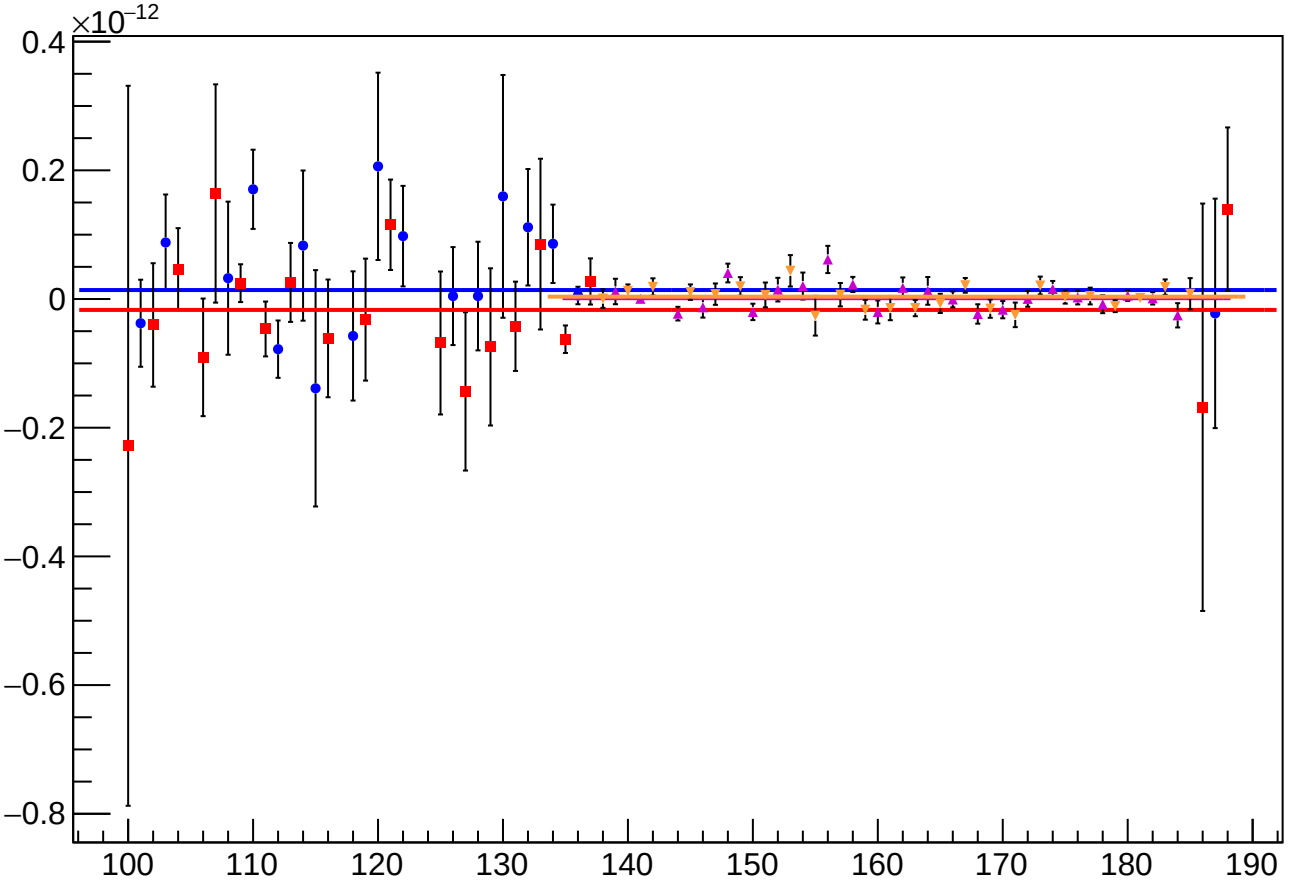
Right Out: 51.536+/-0.015 χ^2/NDF: 2239218.4/19

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 49.718+/-0.008 χ^2/NDF: 9576972.2/40

All: 49.487+/-0.006 χ^2/NDF: 18892341.5/83

- sign 49.272+/-0.008 χ^2/NDF: 9313869.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

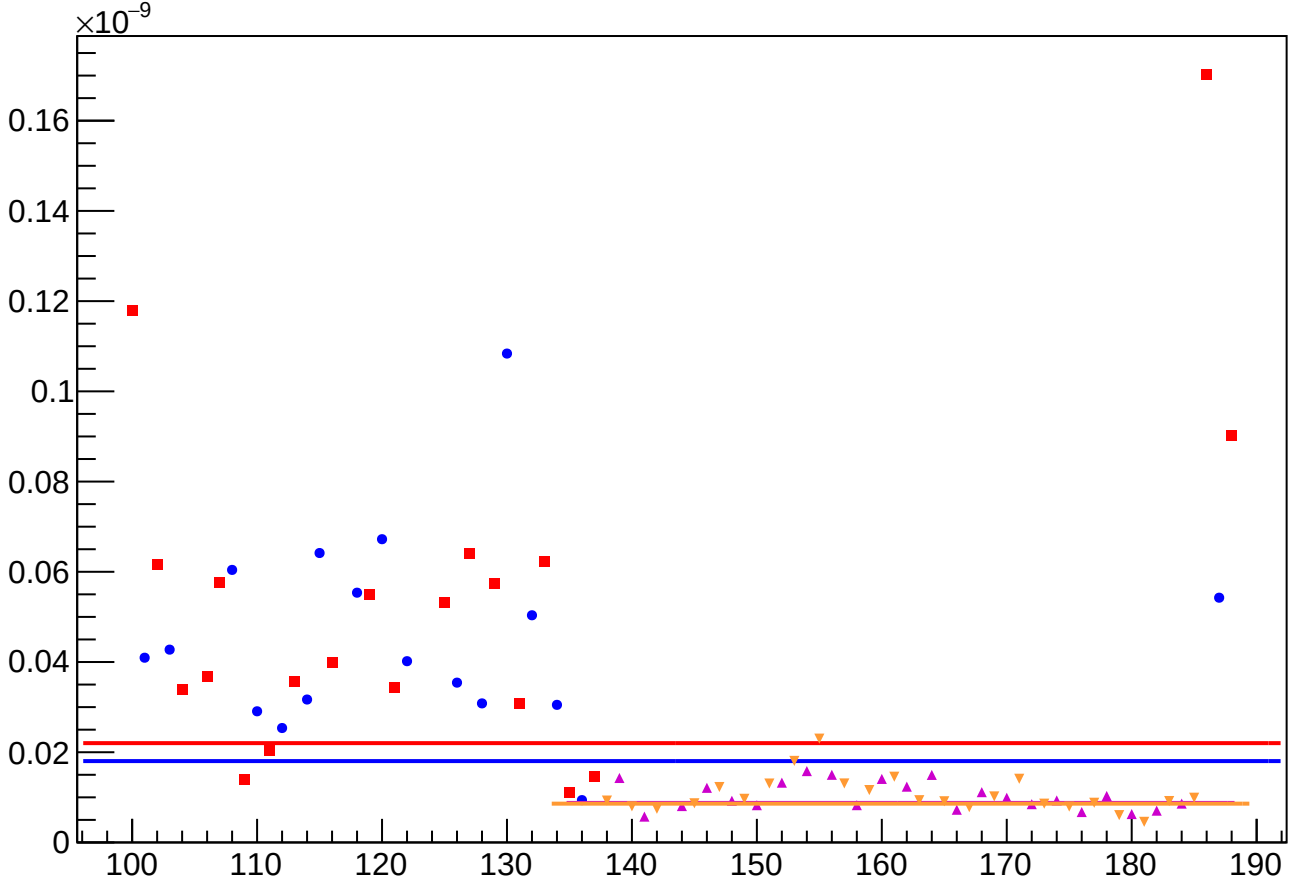
Right Out: -0.000+/-0.000 χ^2/NDF: 19.8/19

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/40

All: 0.000+/-0.000 χ^2/NDF: 108.6/83

- sign 0.000+/-0.000 χ^2/NDF: 61.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 3481378.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3646666.0/19

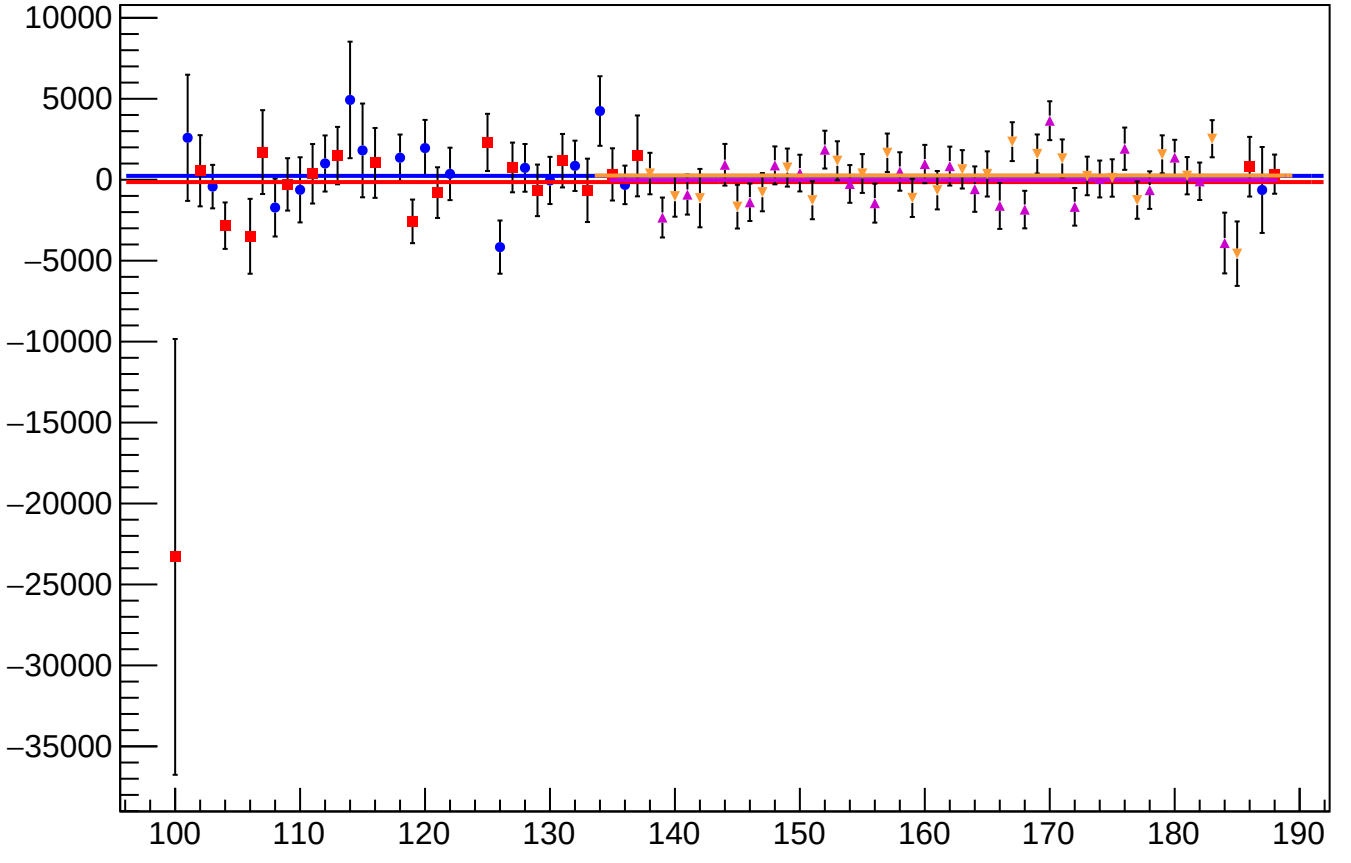
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7302581.6/40

All: 0.000+/-0.000 χ^2/NDF: 15074617.5/83

- sign 0.000+/-0.000 χ^2/NDF: 7762307.0/42

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 238.498+/-419.321 χ^2/NDF: 17.1/16

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -144.612+/-392.408 χ^2/NDF: 17.9/19

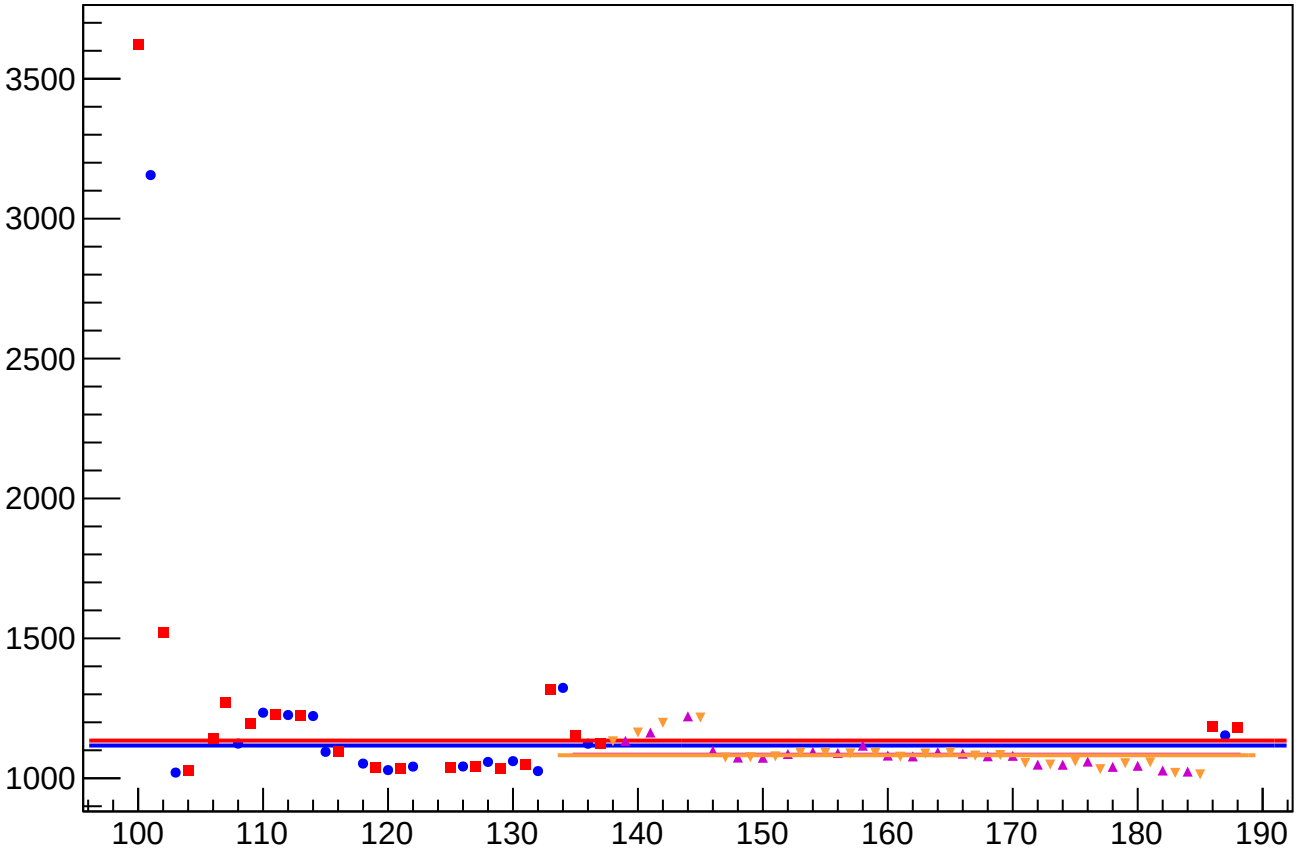
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 254.793+/-215.618 χ^2/NDF: 45.3/40

All: 96.197+/-151.471 χ^2/NDF: 100.1/83

- sign -58.329+/-212.833 χ^2/NDF: 53.7/42

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.018+/-0.297 χ^2/NDF: 623773.9/16

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

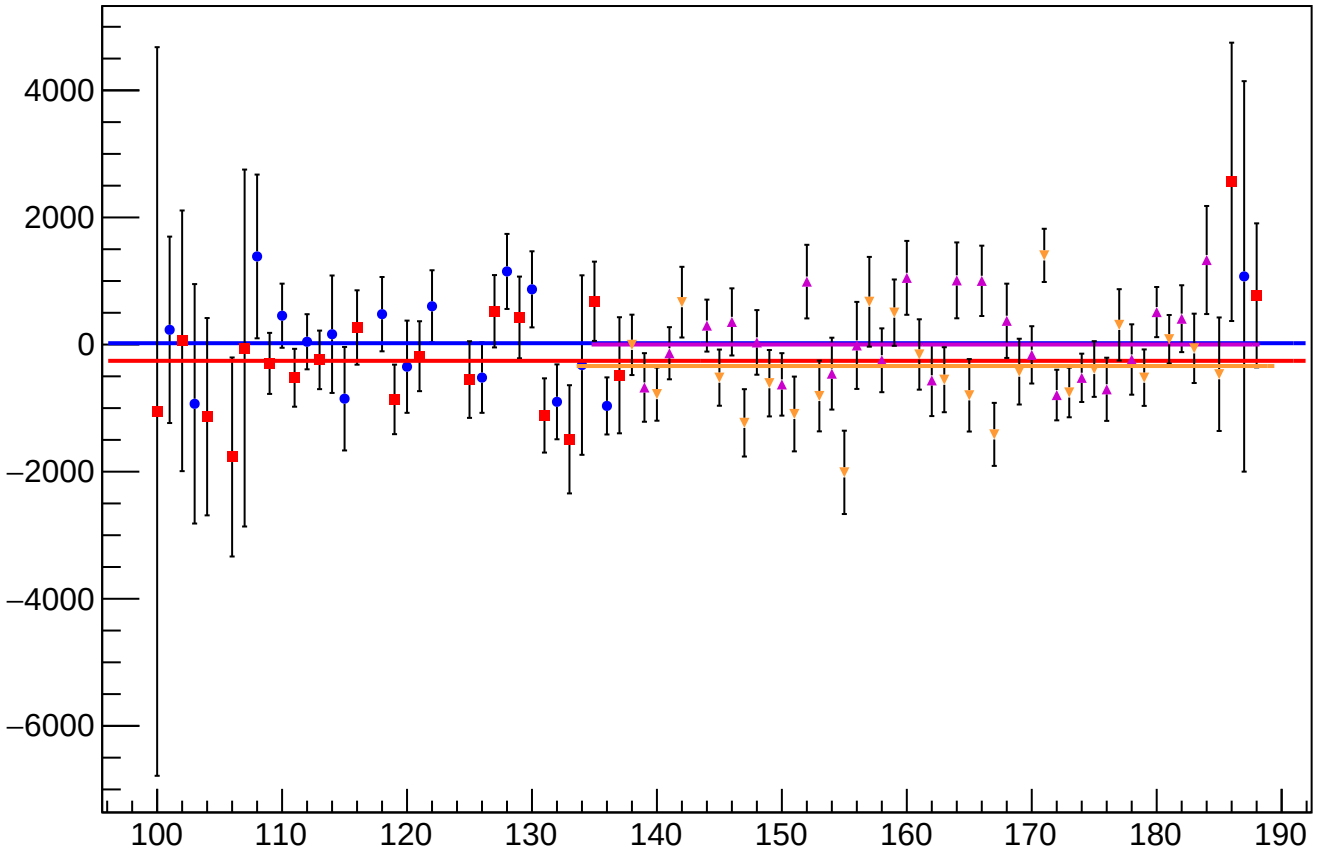
Right Out: 1134.679+/-0.277 χ^2/NDF: 227609.0/19

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

\+ sign 1091.485+/-0.152 χ^2/NDF: 691727.6/40

All: 1095.305+/-0.107 χ^2/NDF: 997406.4/83

\- sign 1099.026+/-0.150 χ^2/NDF: 304439.9/42



Right In: 21.363+/-161.015 χ^2/NDF: 19.3/16

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

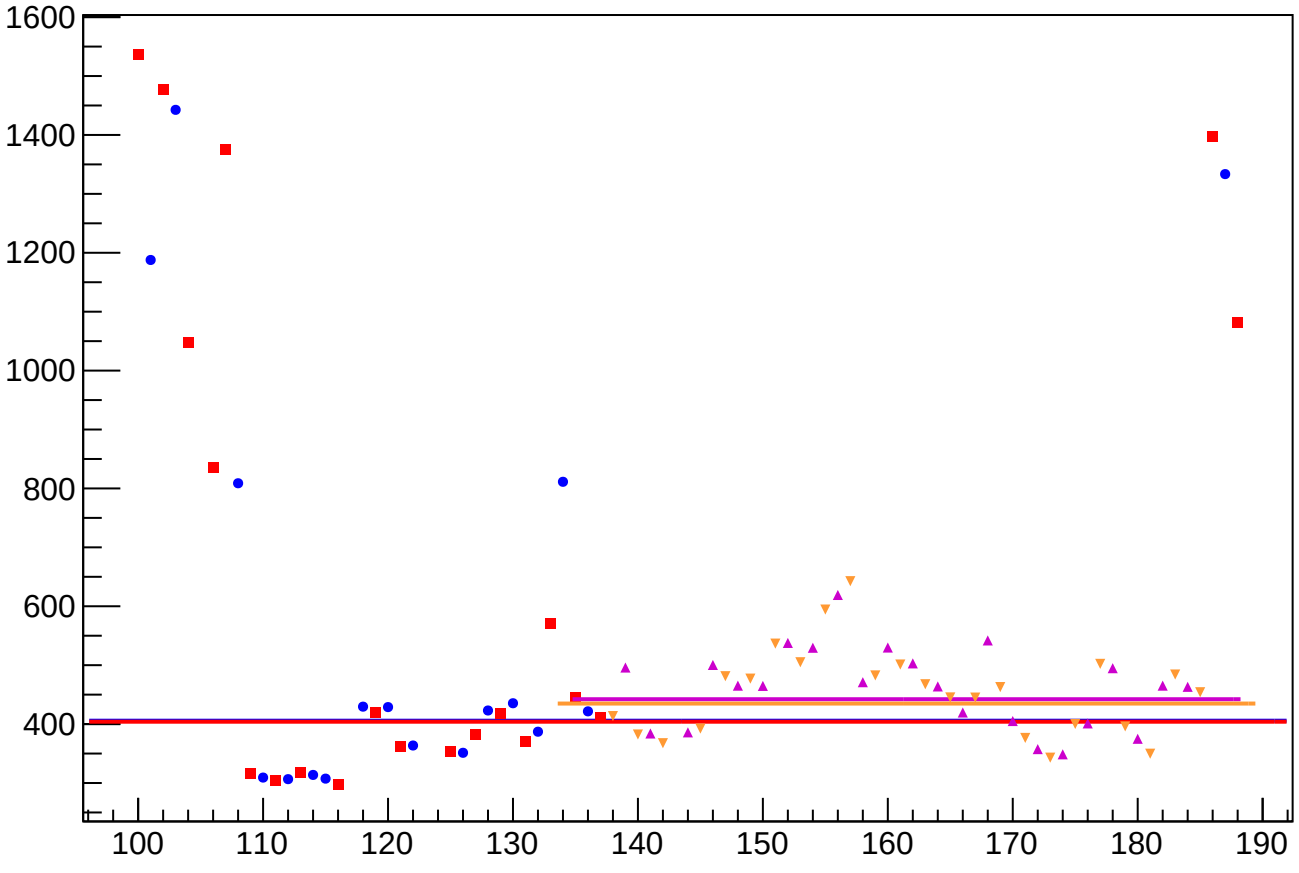
Right Out: -256.054+/-154.342 χ^2/NDF: 16.0/19

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

\+ sign -234.028+/-86.527 χ^2/NDF: 71.6/40

All: -157.313+/-61.232 χ^2/NDF: 123.0/83

\- sign -80.357+/-86.664 χ^2/NDF: 49.8/42



Right In: 405.750+/-0.114 χ^2/NDF: 1991337.9/16

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 404.062+/-0.109 χ^2/NDF: 2911121.3/19

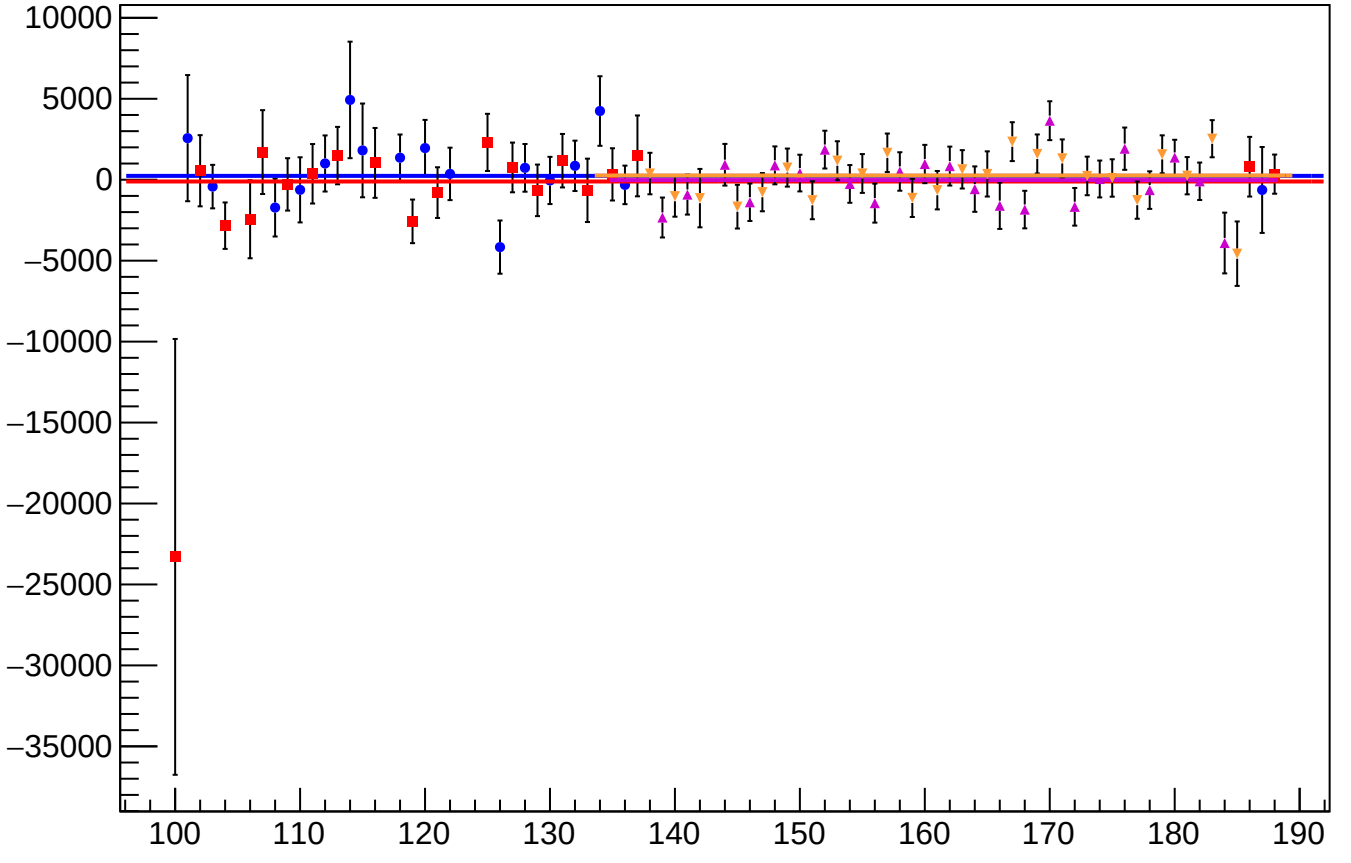
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 426.452+/-0.061 χ^2/NDF: 2916242.7/40

All: 428.314+/-0.043 χ^2/NDF: 6738844.5/83

- sign 430.181+/-0.061 χ^2/NDF: 3820747.5/42

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 238.132+/-419.321 χ^2/NDF: 17.0/16

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -109.177+/-392.843 χ^2/NDF: 16.7/19

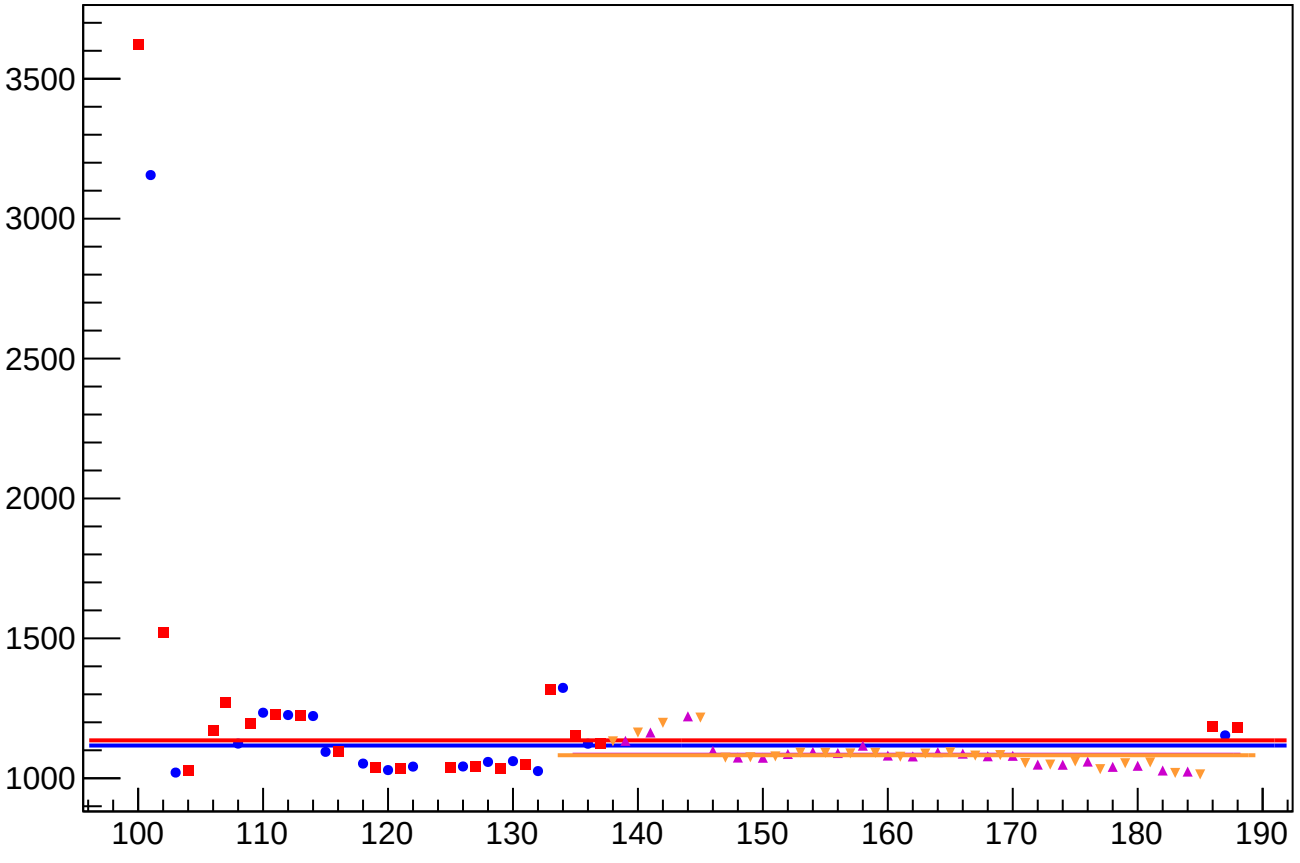
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 254.688+/-215.618 χ^2/NDF: 45.3/40

All: 101.497+/-151.496 χ^2/NDF: 98.8/83

- sign -47.861+/-212.902 χ^2/NDF: 52.5/42

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.018+/-0.297 χ^2/NDF: 623774.9/16

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

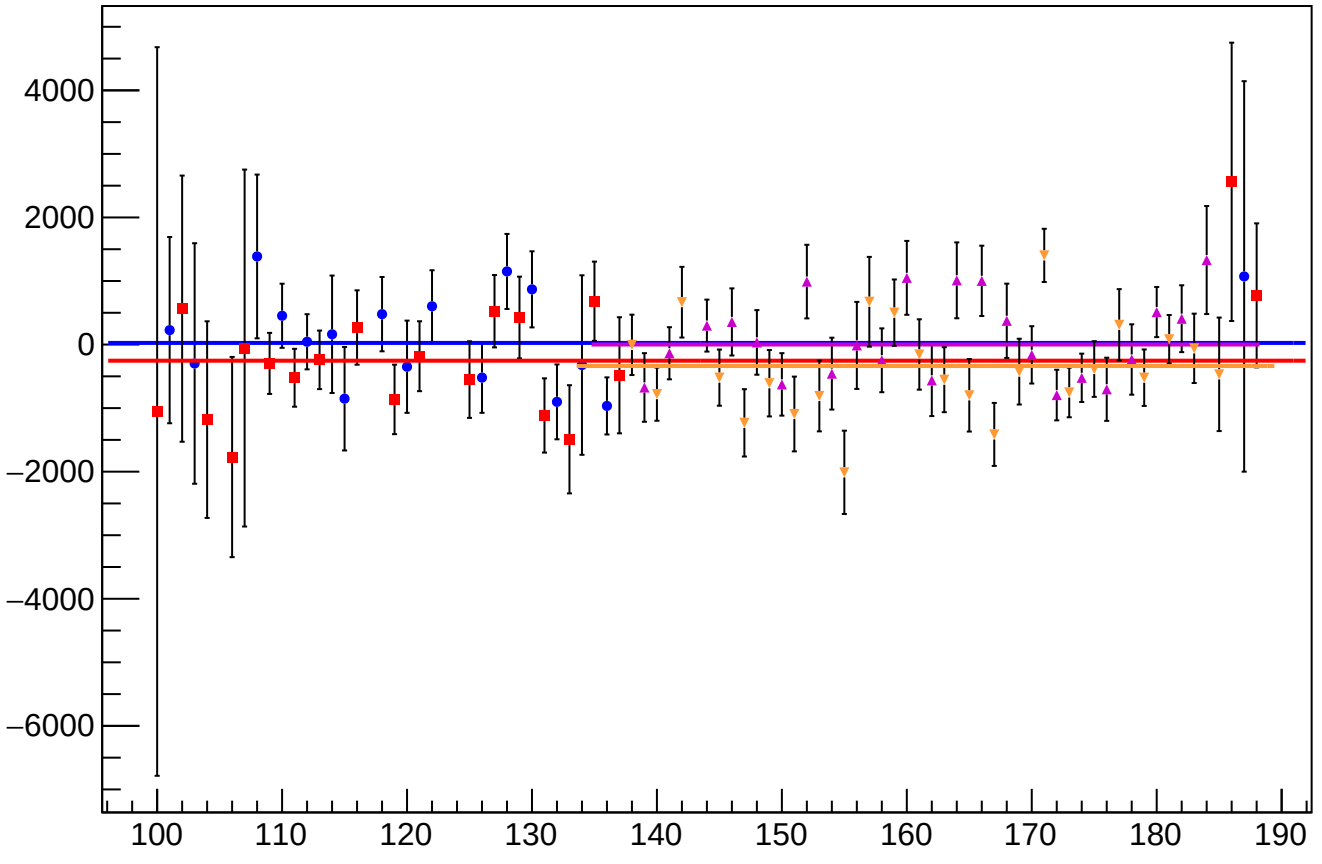
Right Out: 1135.501+/-0.278 χ^2/NDF: 228062.0/19

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

\+ sign 1091.485+/-0.152 χ^2/NDF: 691728.5/40

All: 1095.414+/-0.107 χ^2/NDF: 998661.6/83

\- sign 1099.244+/-0.151 χ^2/NDF: 305621.9/42



Right In: 25.805+/-161.017 χ^2/NDF: 19.1/16

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

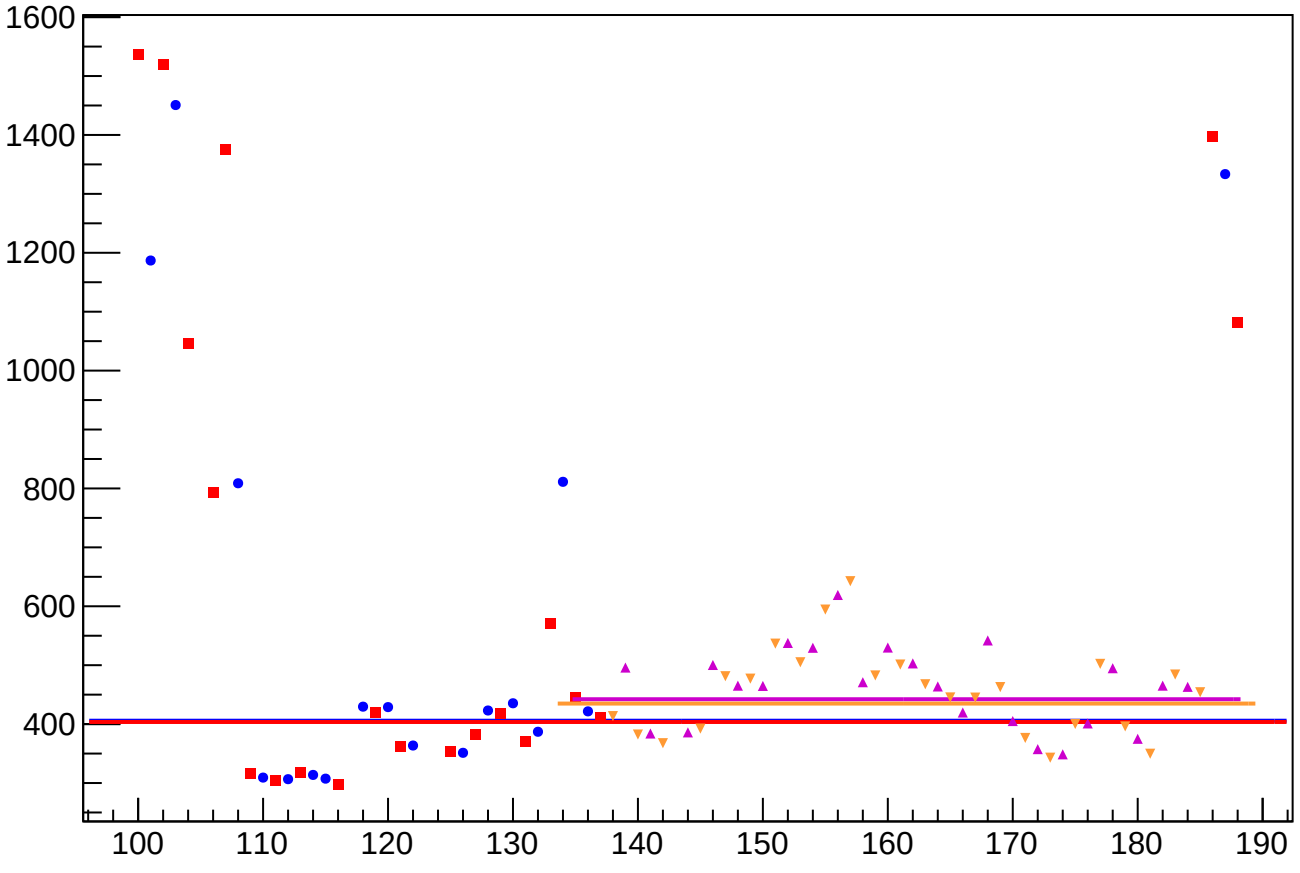
Right Out: -253.766+/-154.364 χ^2/NDF: 16.2/19

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

\+ sign -232.810+/-86.527 χ^2/NDF: 71.5/40

All: -156.332+/-61.234 χ^2/NDF: 123.0/83

\- sign -79.606+/-86.668 χ^2/NDF: 49.9/42



Right In: 405.738+/-0.114 χ^2/NDF: 1995021.8/16

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

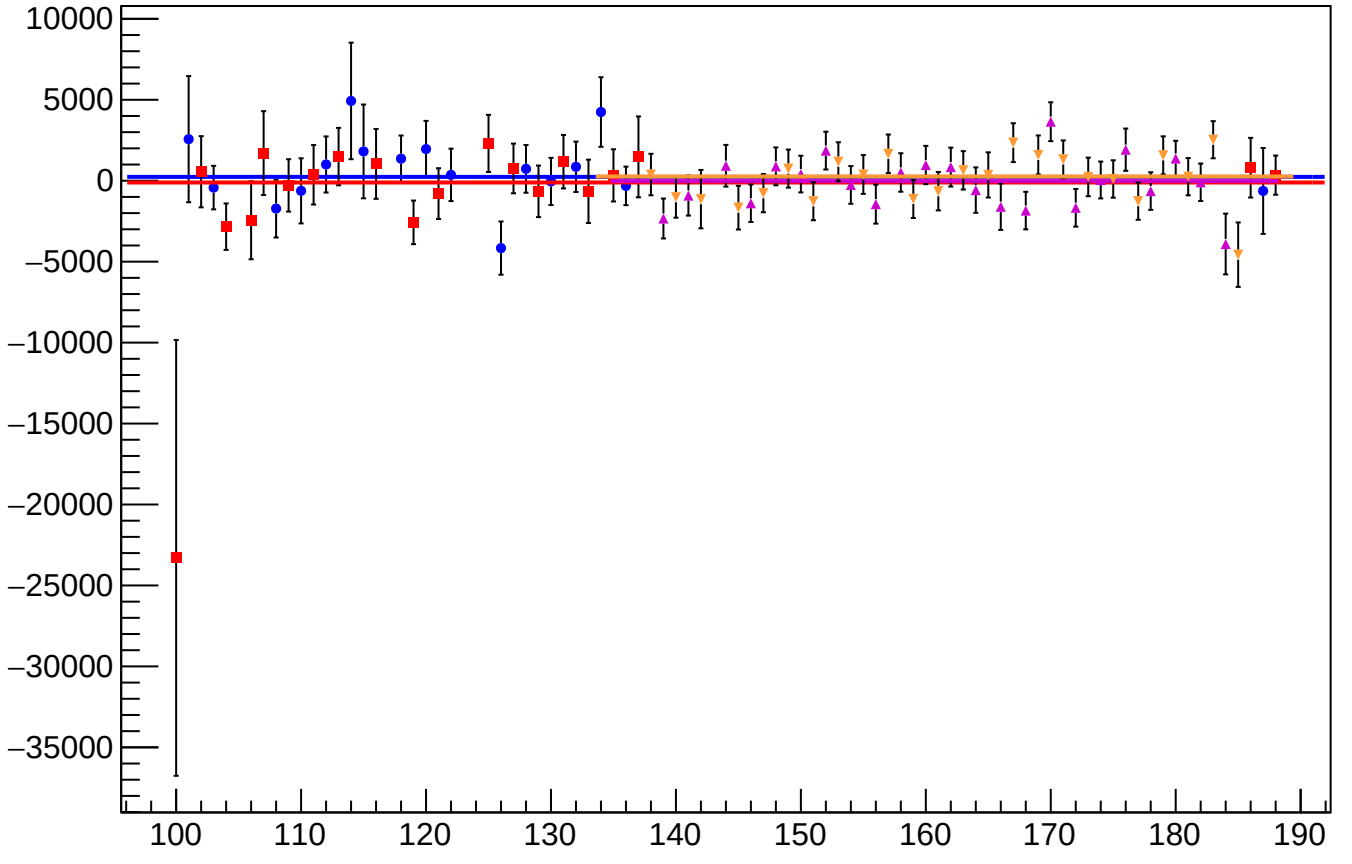
Right Out: 403.613+/-0.109 χ^2/NDF: 2900513.1/19

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 426.447+/-0.061 χ^2/NDF: 2920046.9/40

All: 428.242+/-0.043 χ^2/NDF: 6733748.6/83

- sign 430.043+/-0.061 χ^2/NDF: 3811977.5/42



Right In: 238.132+/-419.321 χ^2/NDF: 17.0/16

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -109.177+/-392.843 χ^2/NDF: 16.7/19

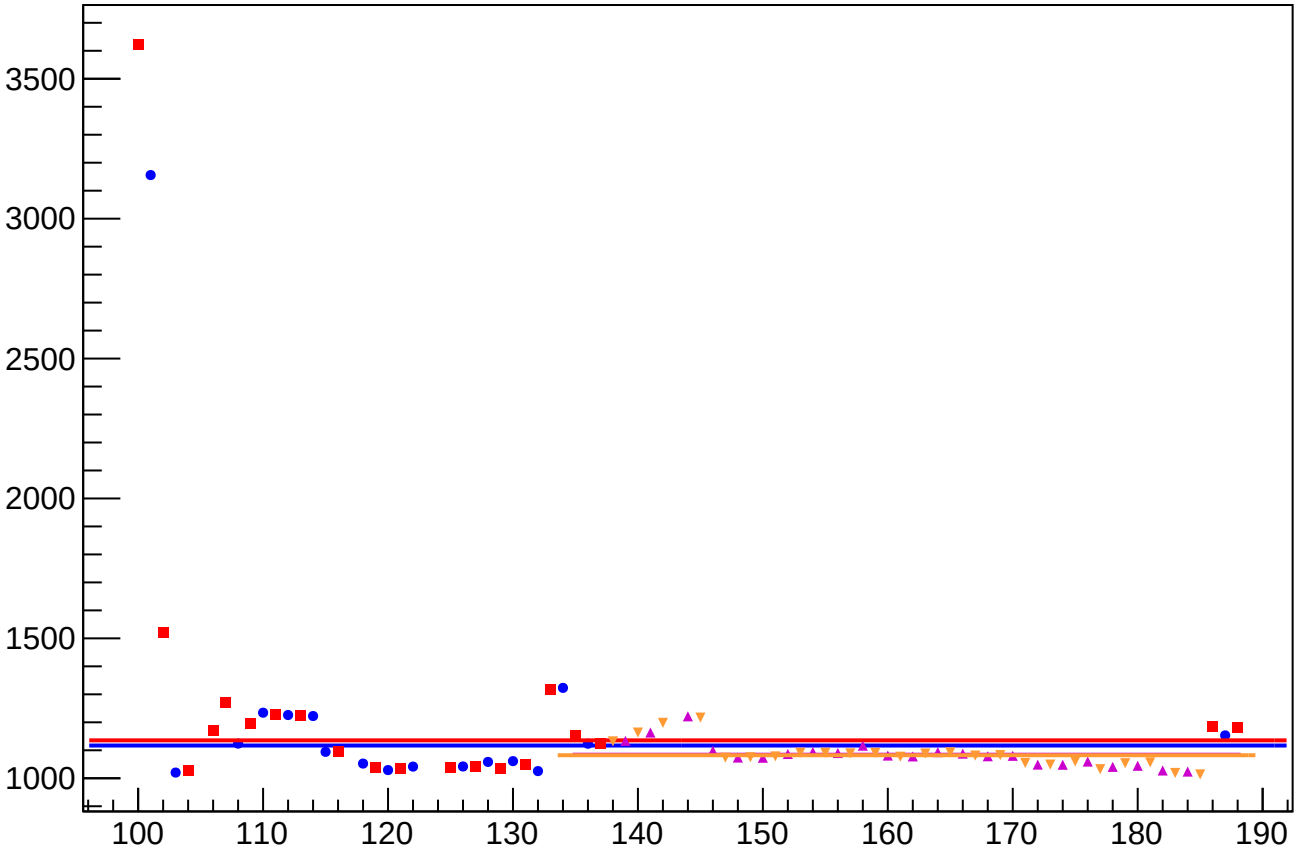
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 254.688+/-215.618 χ^2/NDF: 45.3/40

All: 101.497+/-151.496 χ^2/NDF: 98.8/83

- sign -47.861+/-212.902 χ^2/NDF: 52.5/42

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.018+/-0.297 χ^2/NDF: 623774.9/16

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

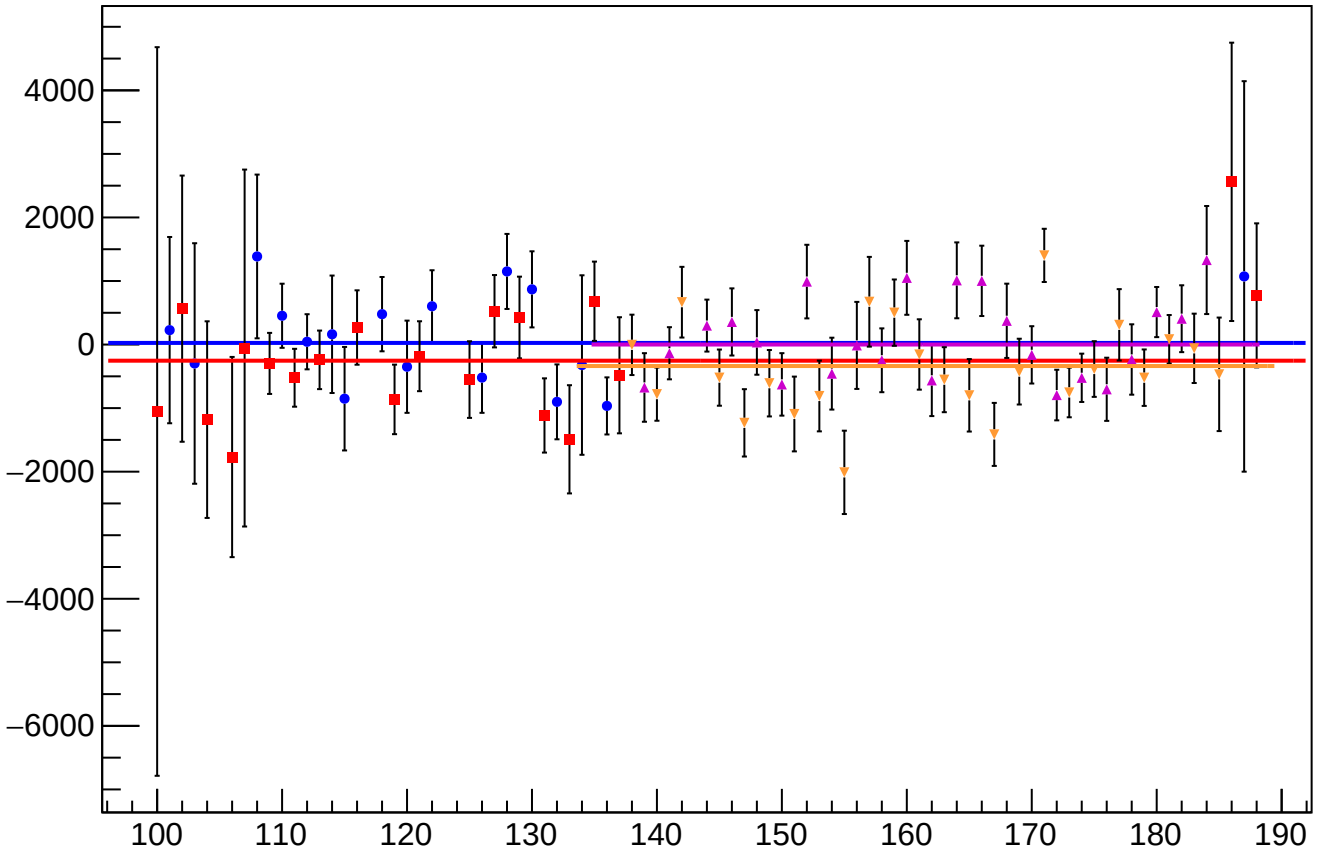
Right Out: 1135.501+/-0.278 χ^2/NDF: 228062.0/19

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

\+ sign 1091.485+/-0.152 χ^2/NDF: 691728.5/40

All: 1095.414+/-0.107 χ^2/NDF: 998661.6/83

\- sign 1099.244+/-0.151 χ^2/NDF: 305621.9/42



Right In: 25.805+/-161.017 χ^2/NDF: 19.1/16

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

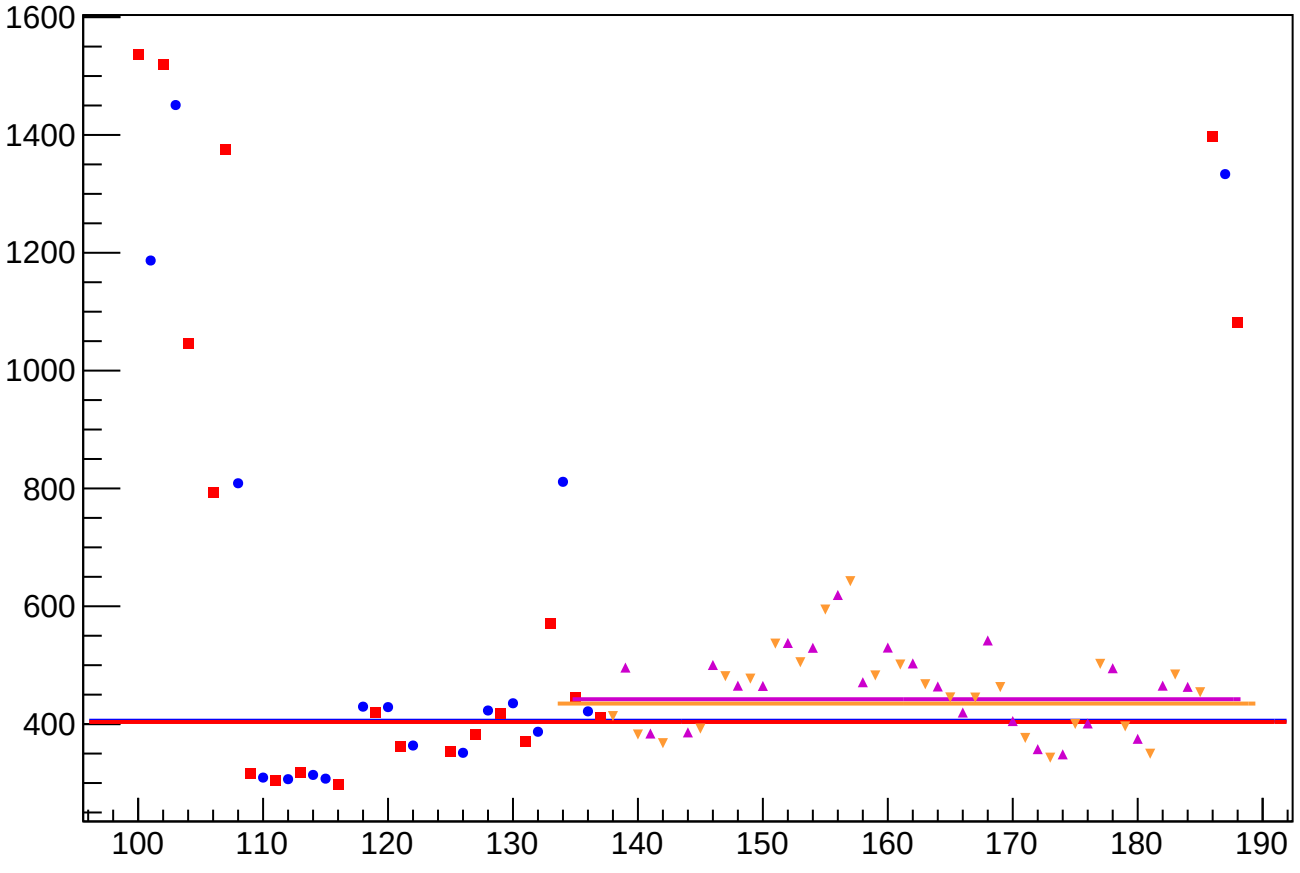
Right Out: -253.766+/-154.364 χ^2/NDF: 16.2/19

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -232.810+/-86.527 χ^2/NDF: 71.5/40

All: -156.332+/-61.234 χ^2/NDF: 123.0/83

- sign -79.606+/-86.668 χ^2/NDF: 49.9/42



Right In: 405.738+/-0.114 χ^2/NDF: 1995021.8/16

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 403.613+/-0.109 χ^2/NDF: 2900513.1/19

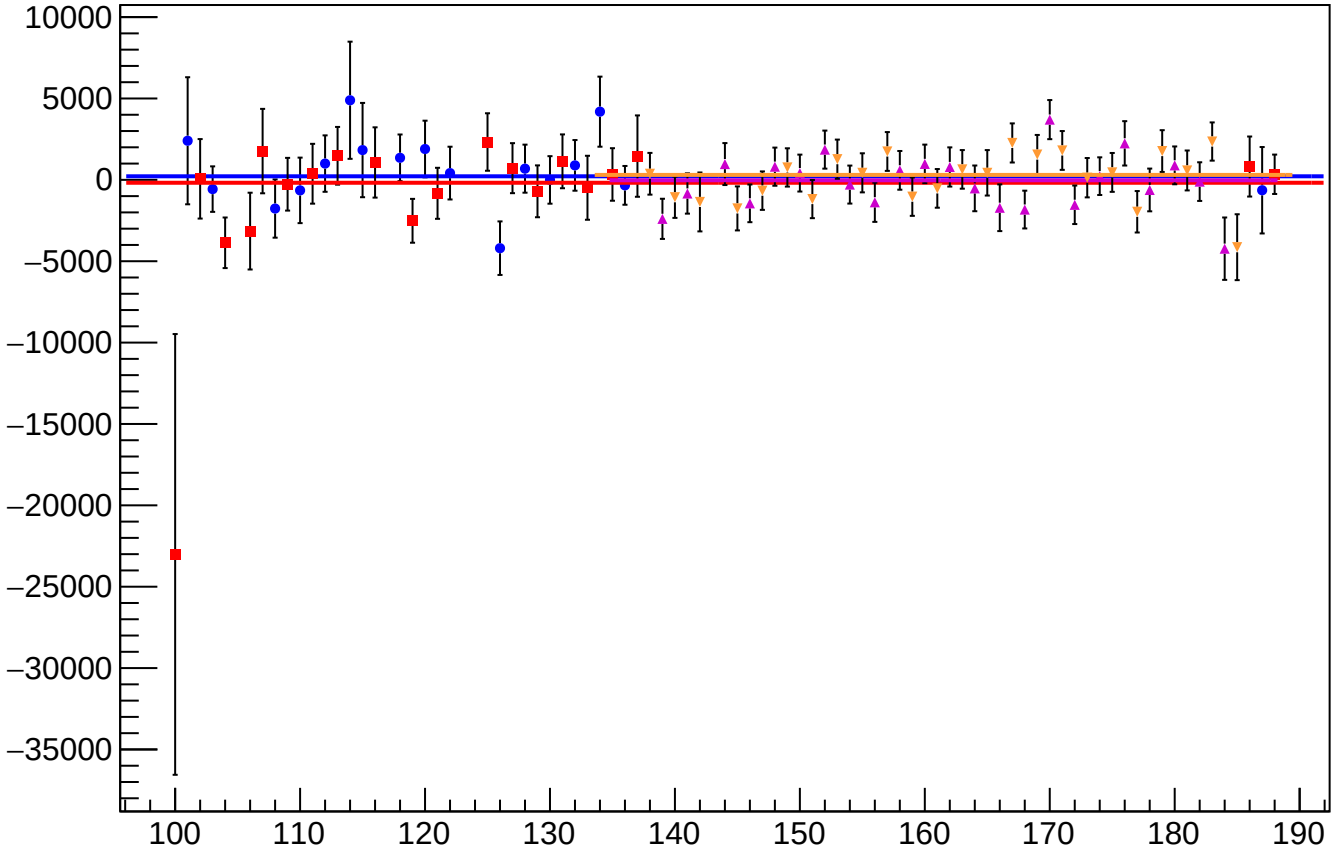
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

\+ sign 426.447+/-0.061 χ^2/NDF: 2920046.9/40

All: 428.242+/-0.043 χ^2/NDF: 6733748.6/83

\- sign 430.043+/-0.061 χ^2/NDF: 3811977.5/42

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 218.704+/-421.191 χ^2/NDF: 17.1/16

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -178.524+/-396.333 χ^2/NDF: 19.2/19

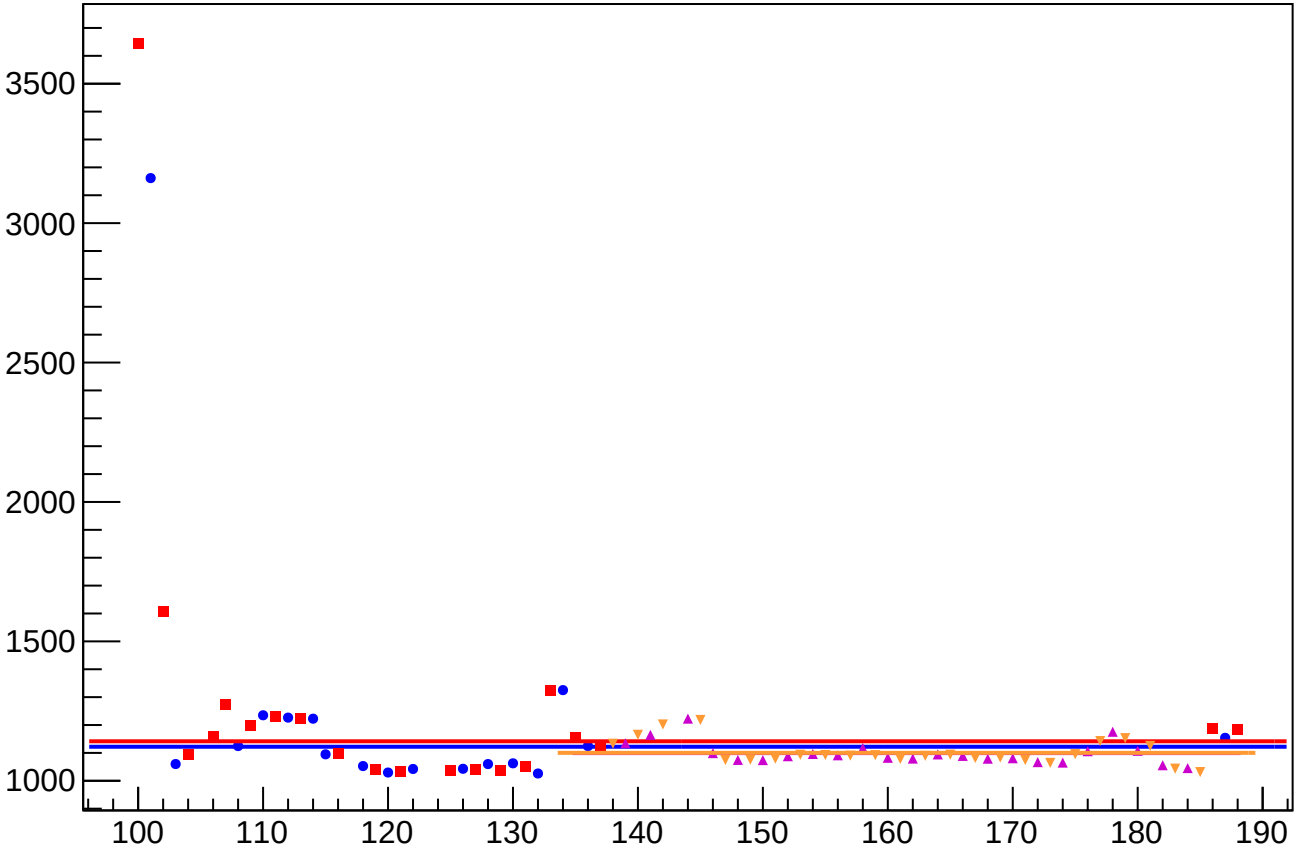
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 280.613+/-218.485 χ^2/NDF: 45.6/40

All: 102.617+/-153.445 χ^2/NDF: 102.1/83

- sign -70.636+/-215.554 χ^2/NDF: 55.2/42

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1122.119+/-0.298 χ^2/NDF: 617325.5/16

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

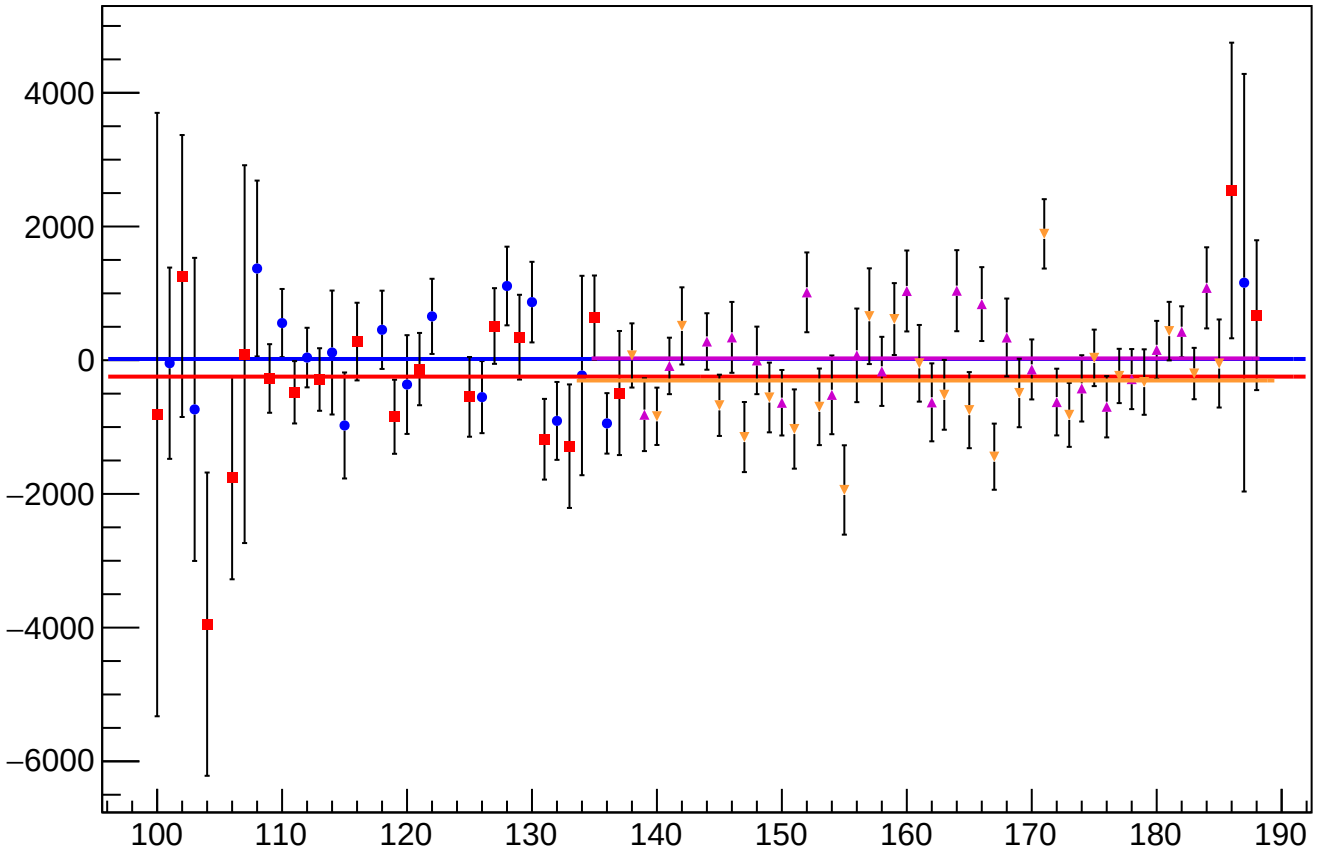
Right Out: 1141.651+/-0.280 χ^2/NDF: 231648.7/19

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1106.140+/-0.154 χ^2/NDF: 670037.6/40

All: 1109.037+/-0.109 χ^2/NDF: 963215.6/83

- sign 1111.857+/-0.152 χ^2/NDF: 292484.2/42



Right In: 18.354+/-161.629 χ^2/NDF: 19.8/16

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -245.430+/-156.860 χ^2/NDF: 17.4/19

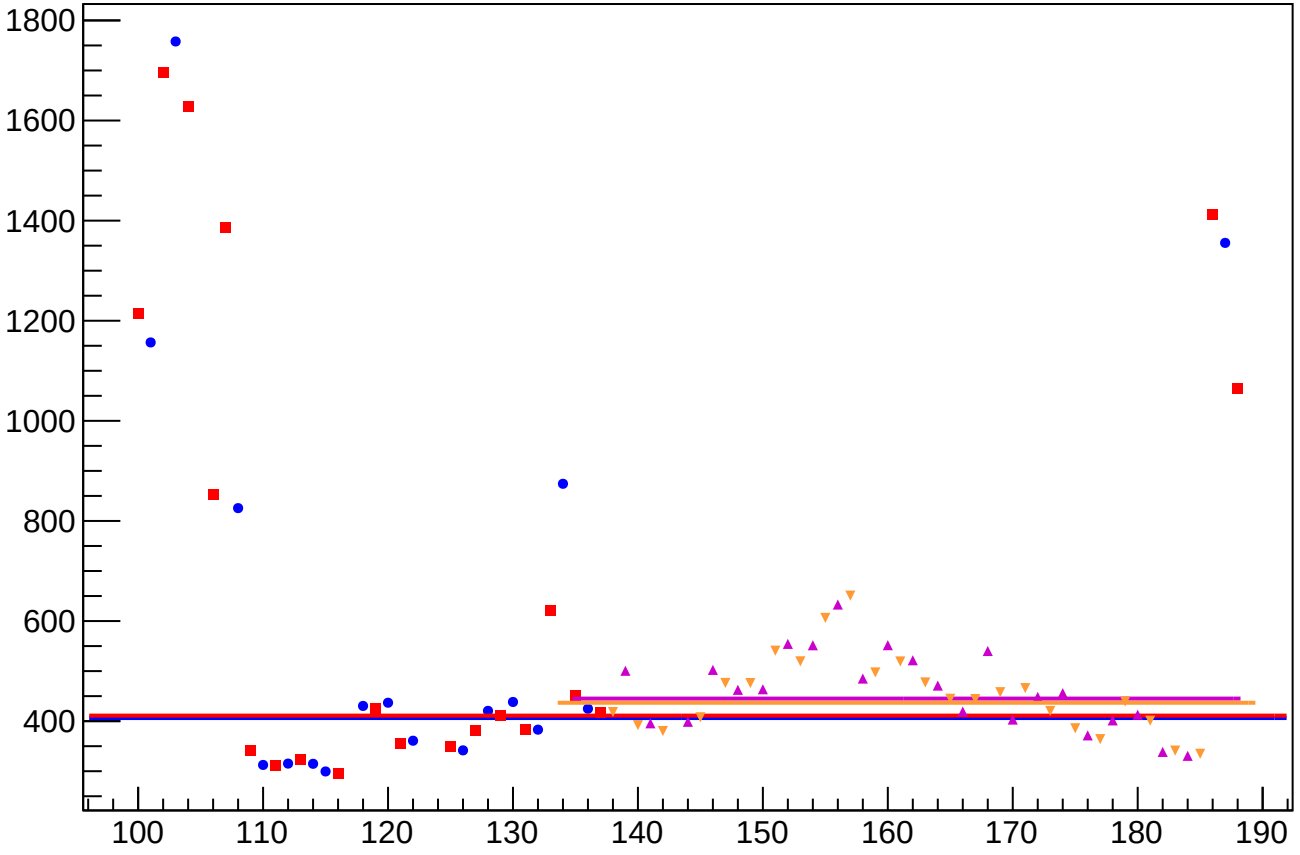
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -210.368+/-86.849 χ^2/NDF: 72.1/40

All: -134.721+/-61.639 χ^2/NDF: 120.9/83

- sign -57.943+/-87.496 χ^2/NDF: 47.3/42

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 406.205+/-0.114 χ^2/NDF: 2114856.5/16

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 411.088+/-0.111 χ^2/NDF: 3317464.1/19

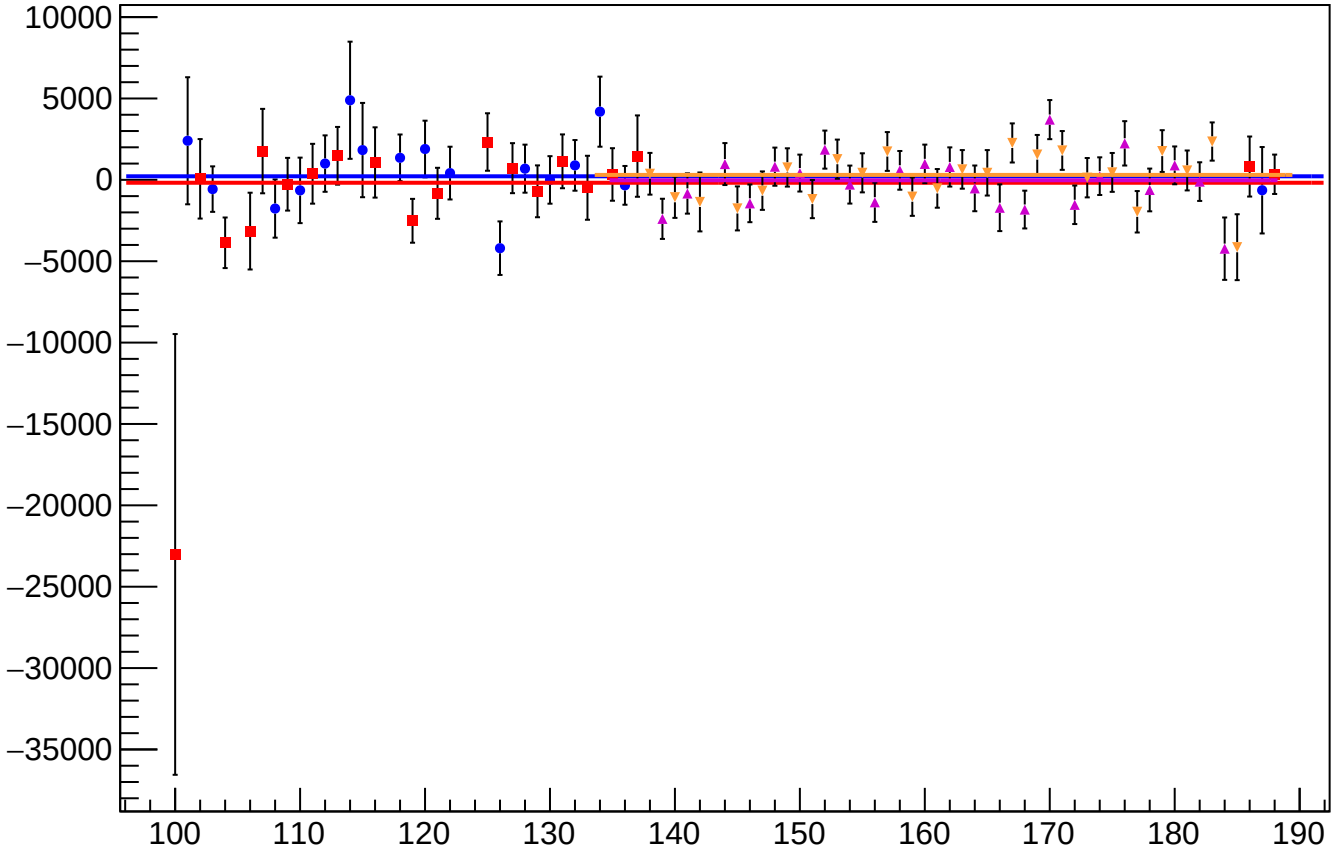
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 427.957+/-0.061 χ^2/NDF: 3020991.9/40

All: 431.216+/-0.044 χ^2/NDF: 7283473.6/83

- sign 434.524+/-0.062 χ^2/NDF: 4256807.3/42

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 218.706+/-421.191 χ^2/NDF: 17.1/16

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -178.525+/-396.333 χ^2/NDF: 19.2/19

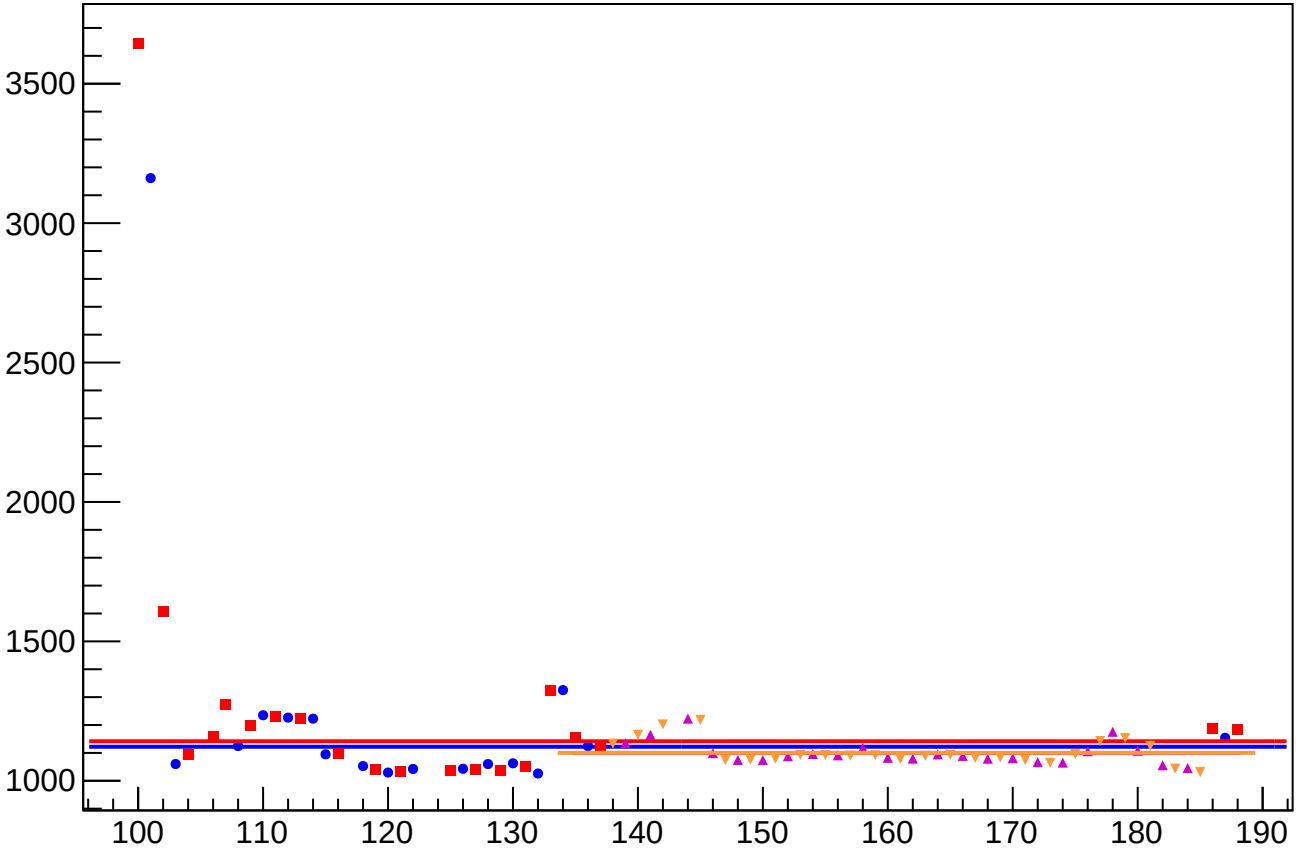
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 280.612+/-218.485 χ^2/NDF: 45.6/40

All: 102.616+/-153.445 χ^2/NDF: 102.1/83

- sign -70.637+/-215.554 χ^2/NDF: 55.2/42

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1122.119+/-0.298 χ^2/NDF: 617325.5/16

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

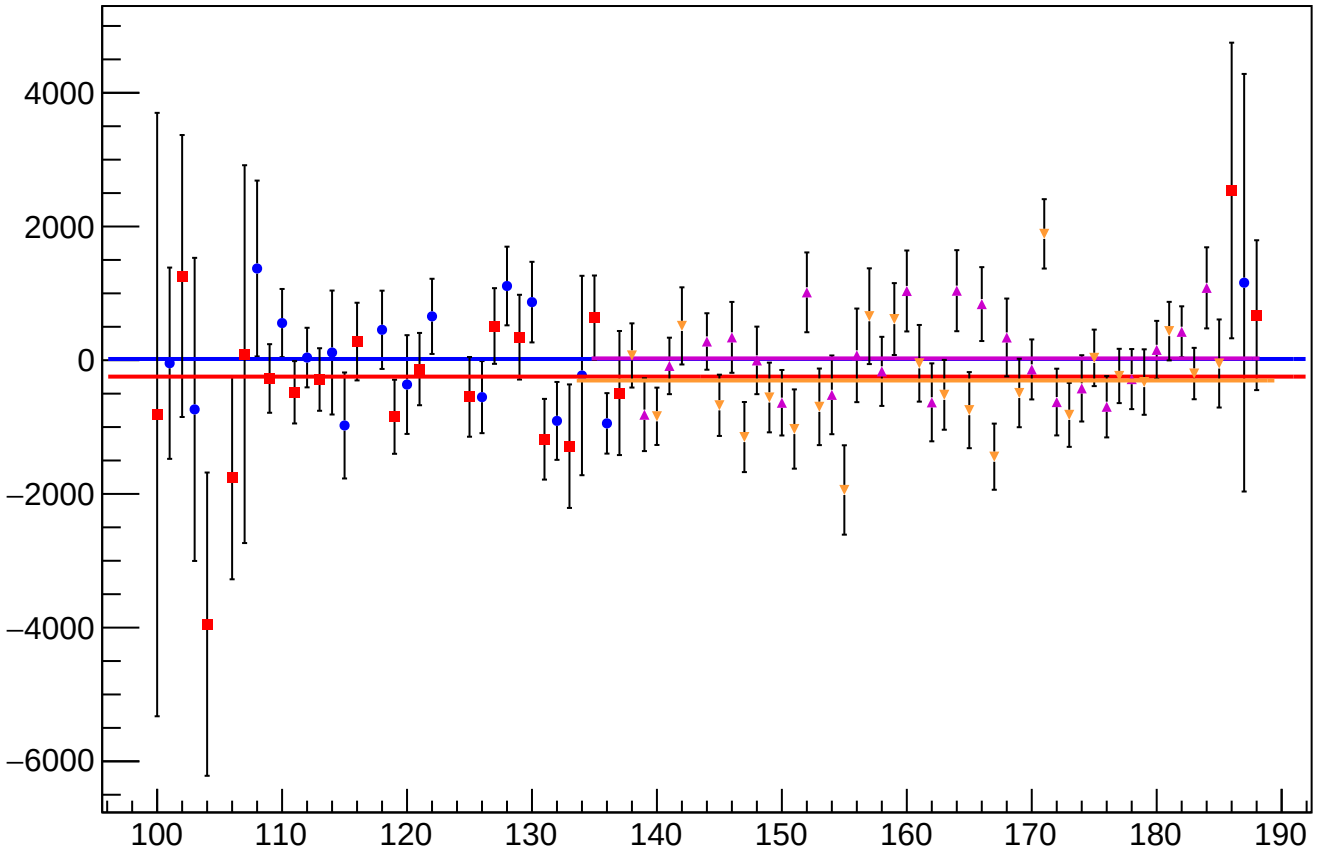
Right Out: 1141.651+/-0.280 χ^2/NDF: 231648.8/19

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

\+ sign 1106.140+/-0.154 χ^2/NDF: 670037.8/40

All: 1109.037+/-0.109 χ^2/NDF: 963216.0/83

\- sign 1111.857+/-0.152 χ^2/NDF: 292484.4/42



Right In: 18.350+/-161.627 χ^2/NDF: 19.8/16

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

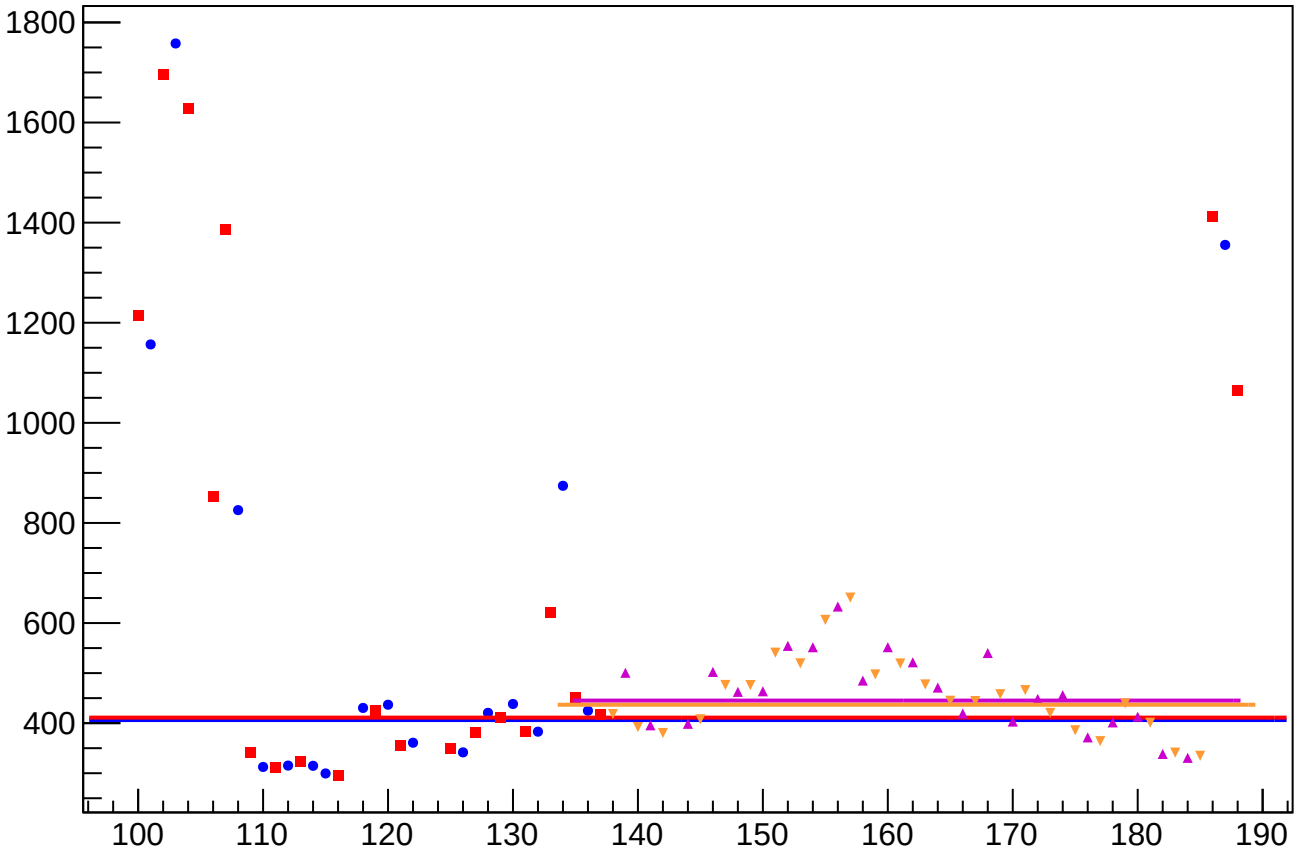
Right Out: -245.427+/-156.859 χ^2/NDF: 17.4/19

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -210.370+/-86.849 χ^2/NDF: 72.1/40

All: -134.722+/-61.639 χ^2/NDF: 120.9/83

- sign -57.943+/-87.496 χ^2/NDF: 47.3/42



Right In: 406.202+/-0.114 χ^2/NDF: 2114852.4/16

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 411.084+/-0.111 χ^2/NDF: 3317472.7/19

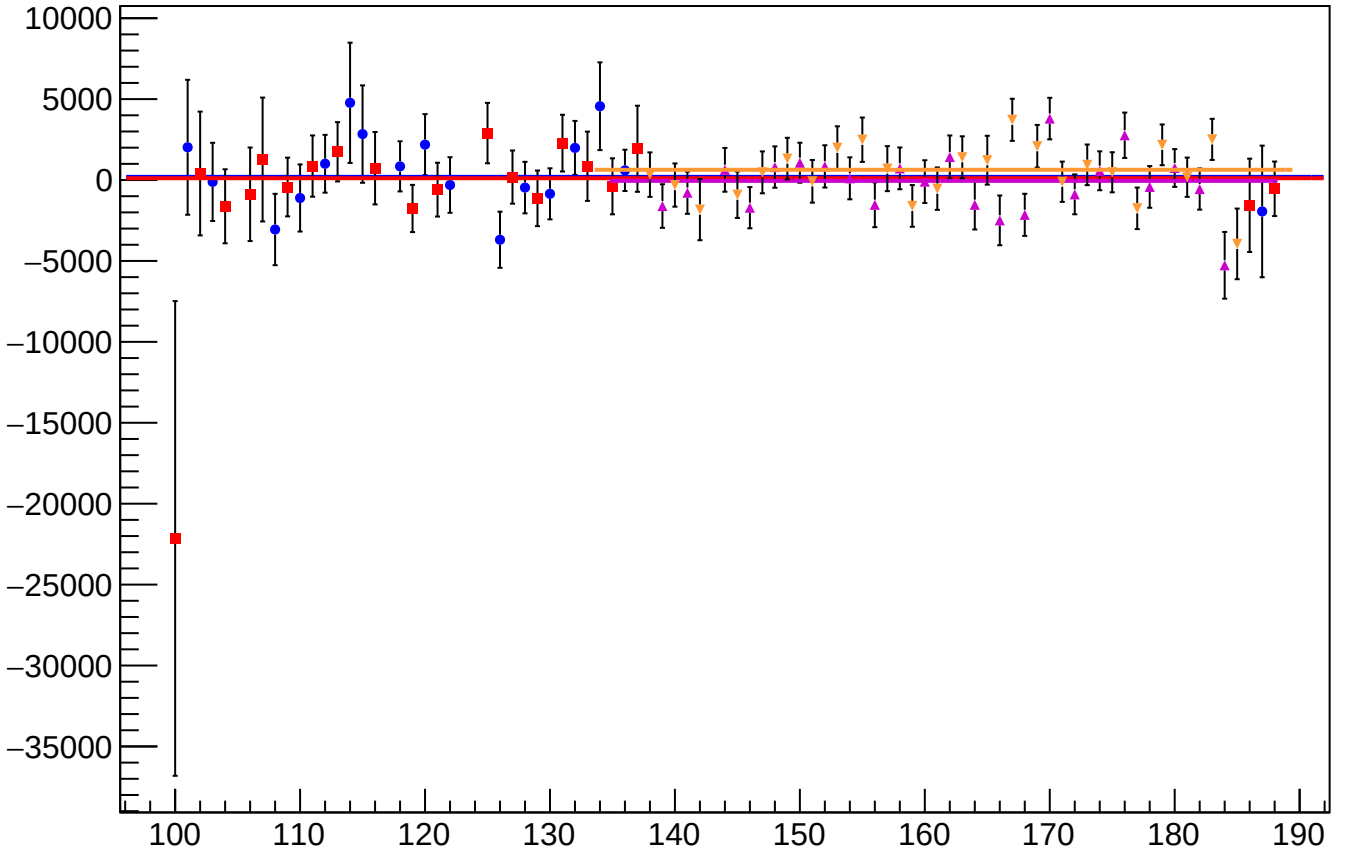
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 427.956+/-0.061 χ^2/NDF: 3021027.4/40

All: 431.214+/-0.044 χ^2/NDF: 7283563.0/83

- sign 434.522+/-0.062 χ^2/NDF: 4256861.6/42

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 195.732+/-471.361 χ^2/NDF: 16.4/16

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 111.309+/-453.963 χ^2/NDF: 11.5/19

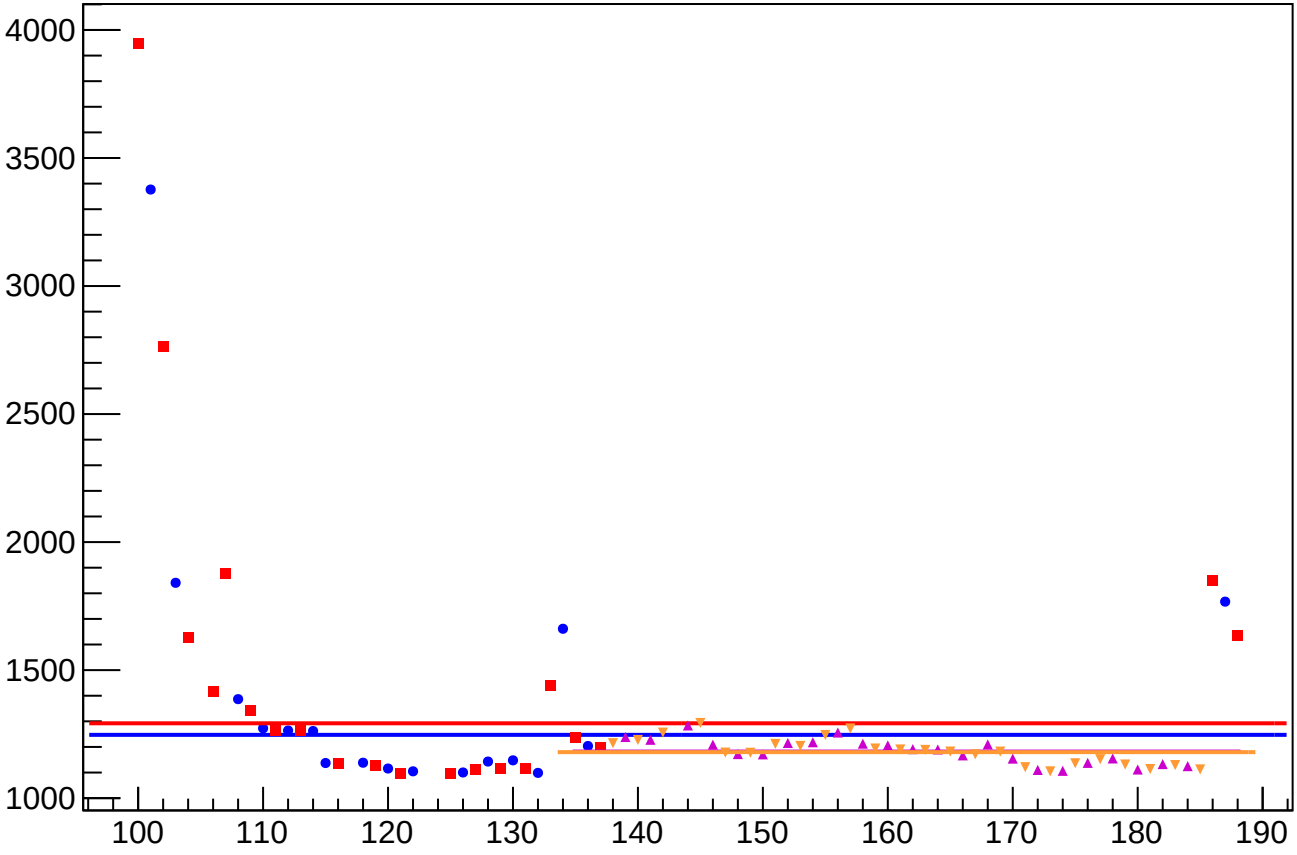
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 522.433+/-236.924 χ^2/NDF: 47.2/40

All: 256.631+/-167.191 χ^2/NDF: 96.3/83

- sign -7.026+/-235.966 χ^2/NDF: 46.6/42

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1247.221+/-0.333 χ^2/NDF: 815839.1/16

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

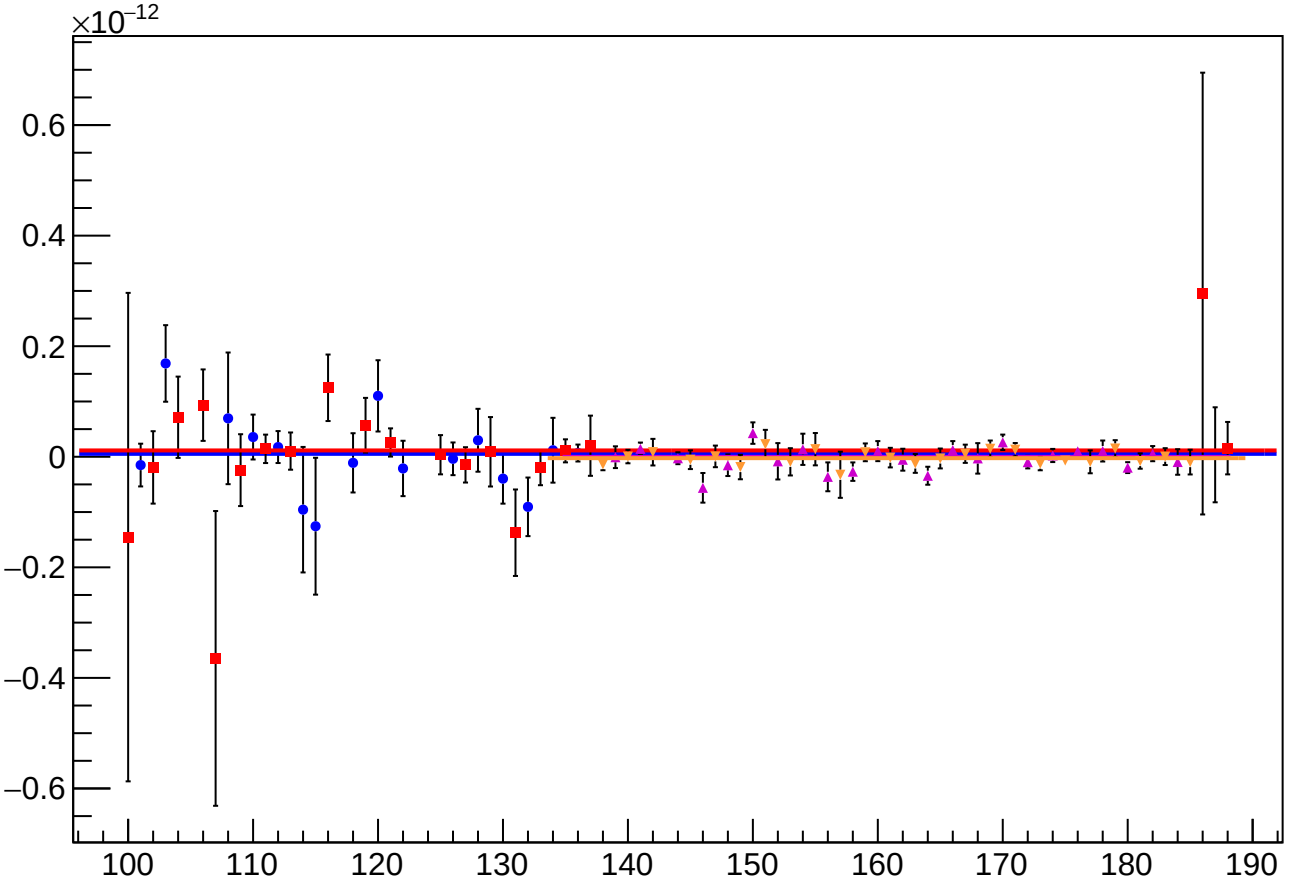
Right Out: 1292.349+/-0.321 χ^2/NDF: 780171.9/19

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

+ sign 1196.769+/-0.168 χ^2/NDF: 911165.8/40

All: 1204.296+/-0.118 χ^2/NDF: 1842073.6/83

- sign 1211.763+/-0.167 χ^2/NDF: 926886.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

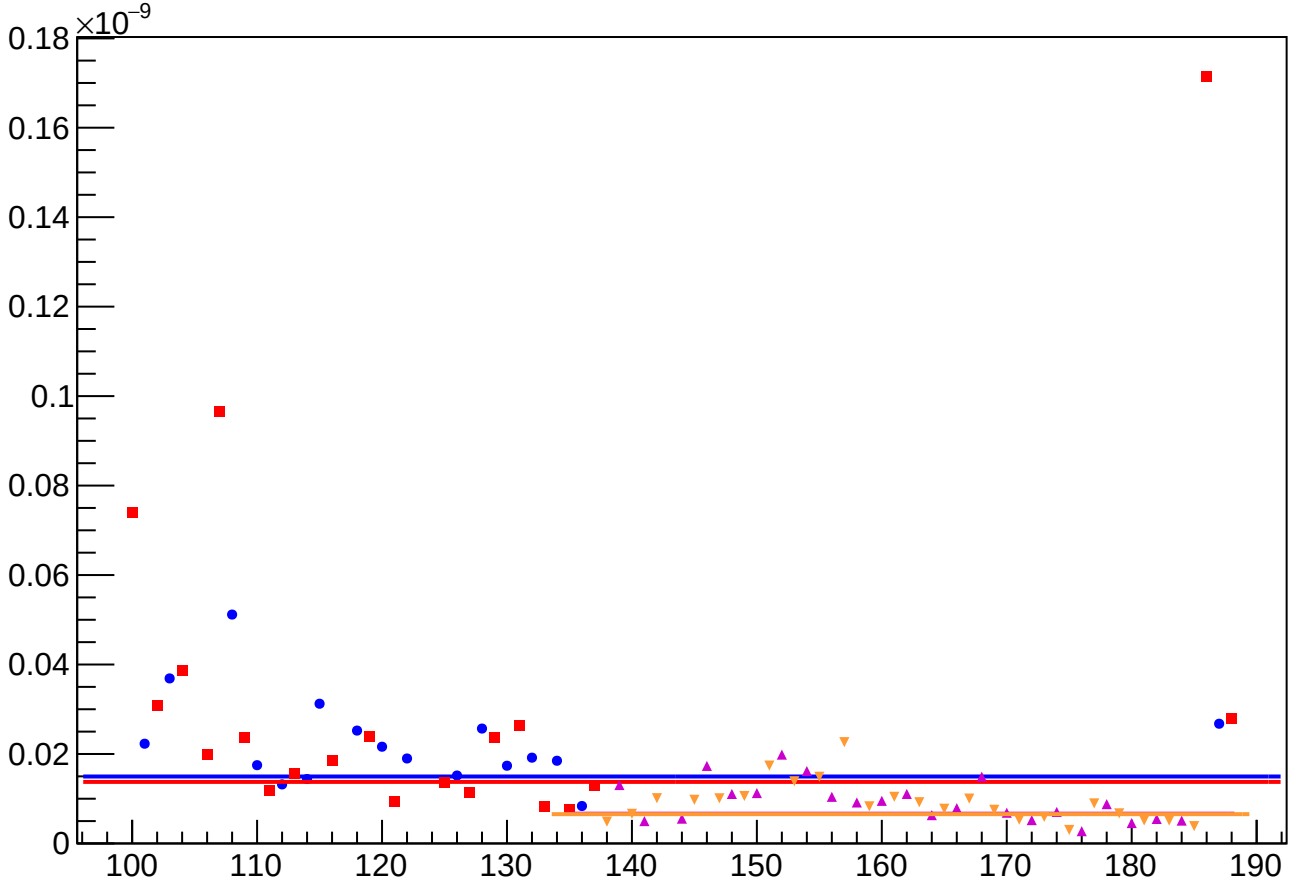
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/19

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.4/40

All: -0.000+/-0.000 χ^2/NDF: 77.4/83

- sign 0.000+/-0.000 χ^2/NDF: 49.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 1119624.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

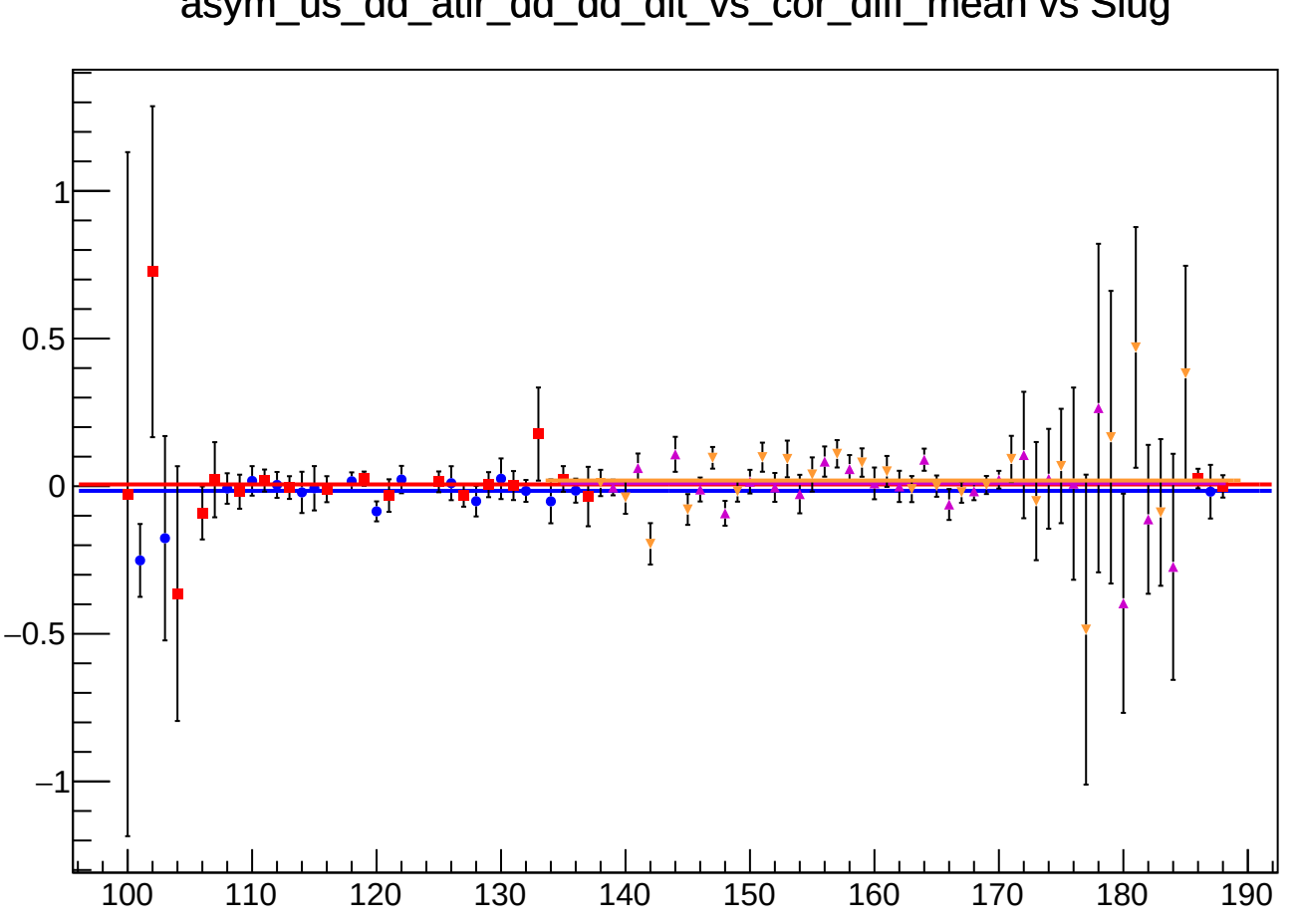
Right Out: 0.000+/-0.000 χ^2/NDF: 1682628.7/19

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 4854575.2/40

All: 0.000+/-0.000 χ^2/NDF: 10157489.0/83

- sign 0.000+/-0.000 χ^2/NDF: 5302529.7/42



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

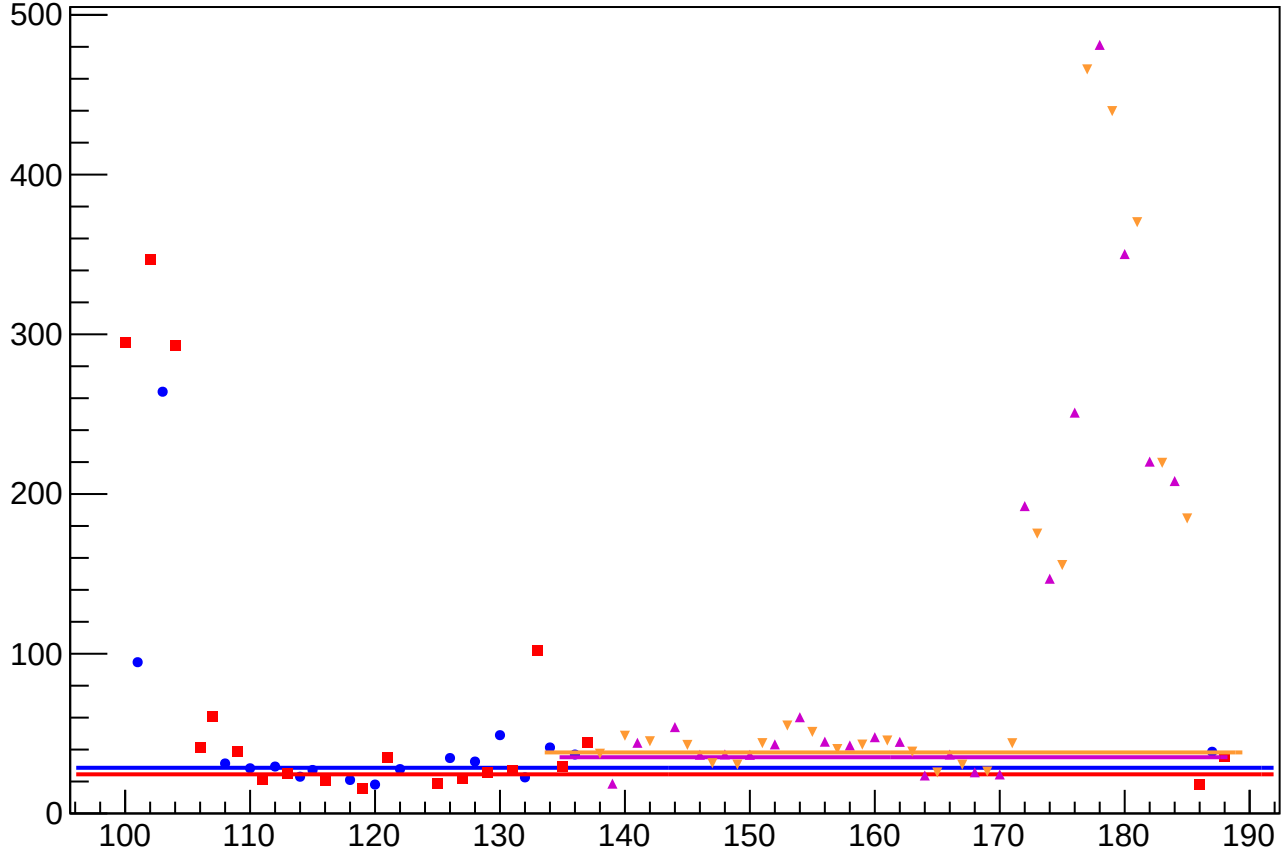
Right Out: 0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/40

All: 0.006+/-0.005 χ^2/NDF: 84.6/83

- sign 0.008+/-0.007 χ^2/NDF: 32.0/42



Right In: 28.595+/-0.009 χ^2/NDF: 2270442.0/16

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

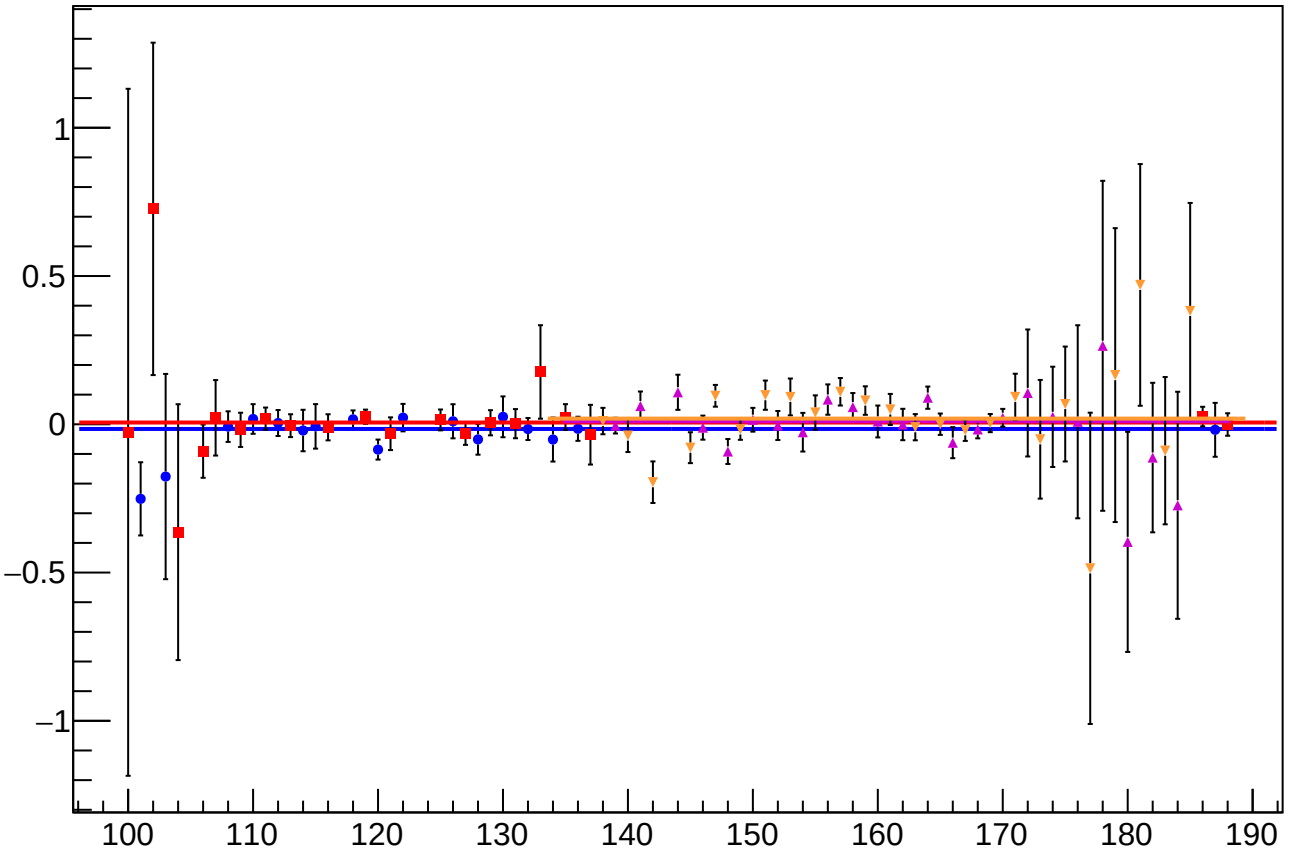
Right Out: 24.499+/-0.007 χ^2/NDF: 3176869.4/19

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 33.981+/-0.006 χ^2/NDF: 11251894.4/40

All: 31.742+/-0.004 χ^2/NDF: 25169962.3/83

- sign 29.917+/-0.005 χ^2/NDF: 13639868.1/42



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

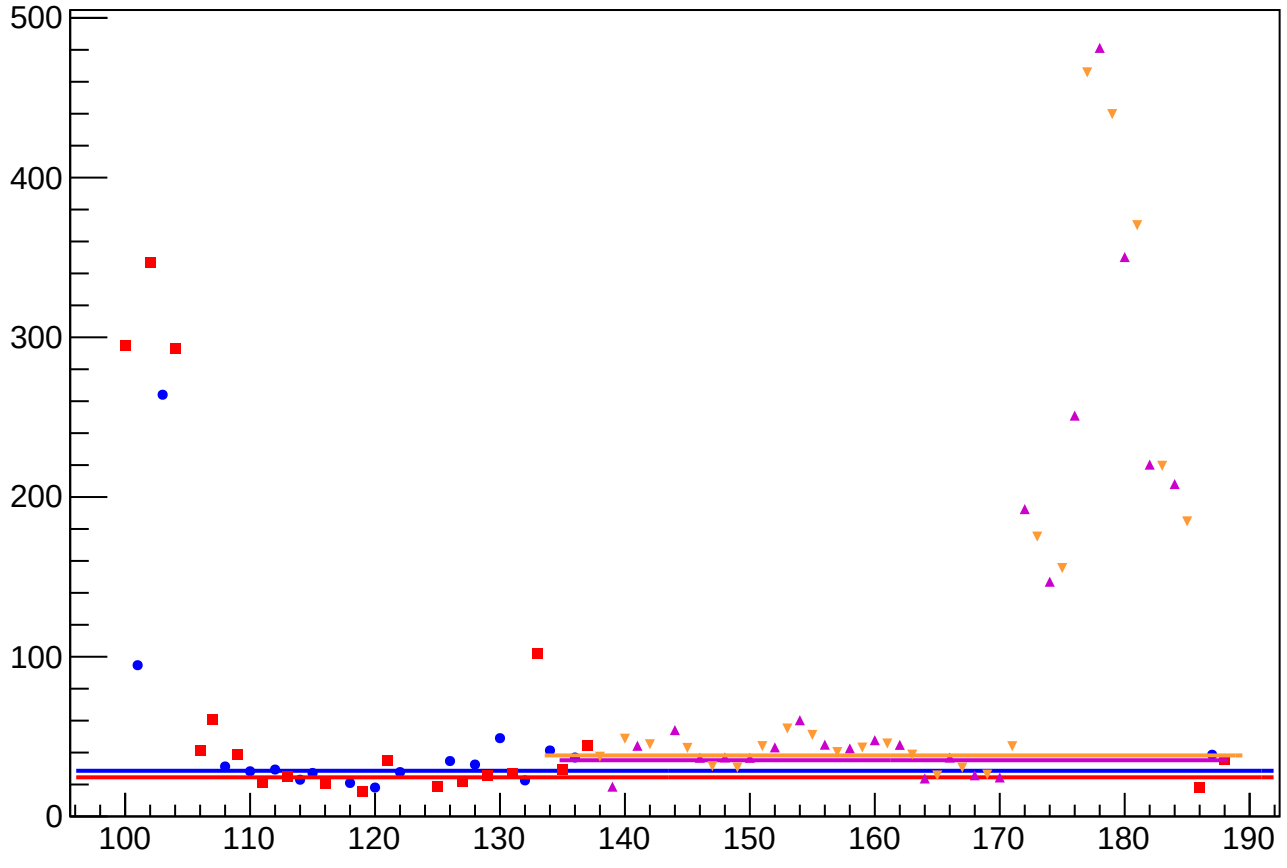
Right Out: 0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/40

All: 0.006+/-0.005 χ^2/NDF: 84.6/83

- sign 0.008+/-0.007 χ^2/NDF: 32.0/42



Right In: 28.595+/-0.009 χ^2/NDF: 2270442.0/16

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

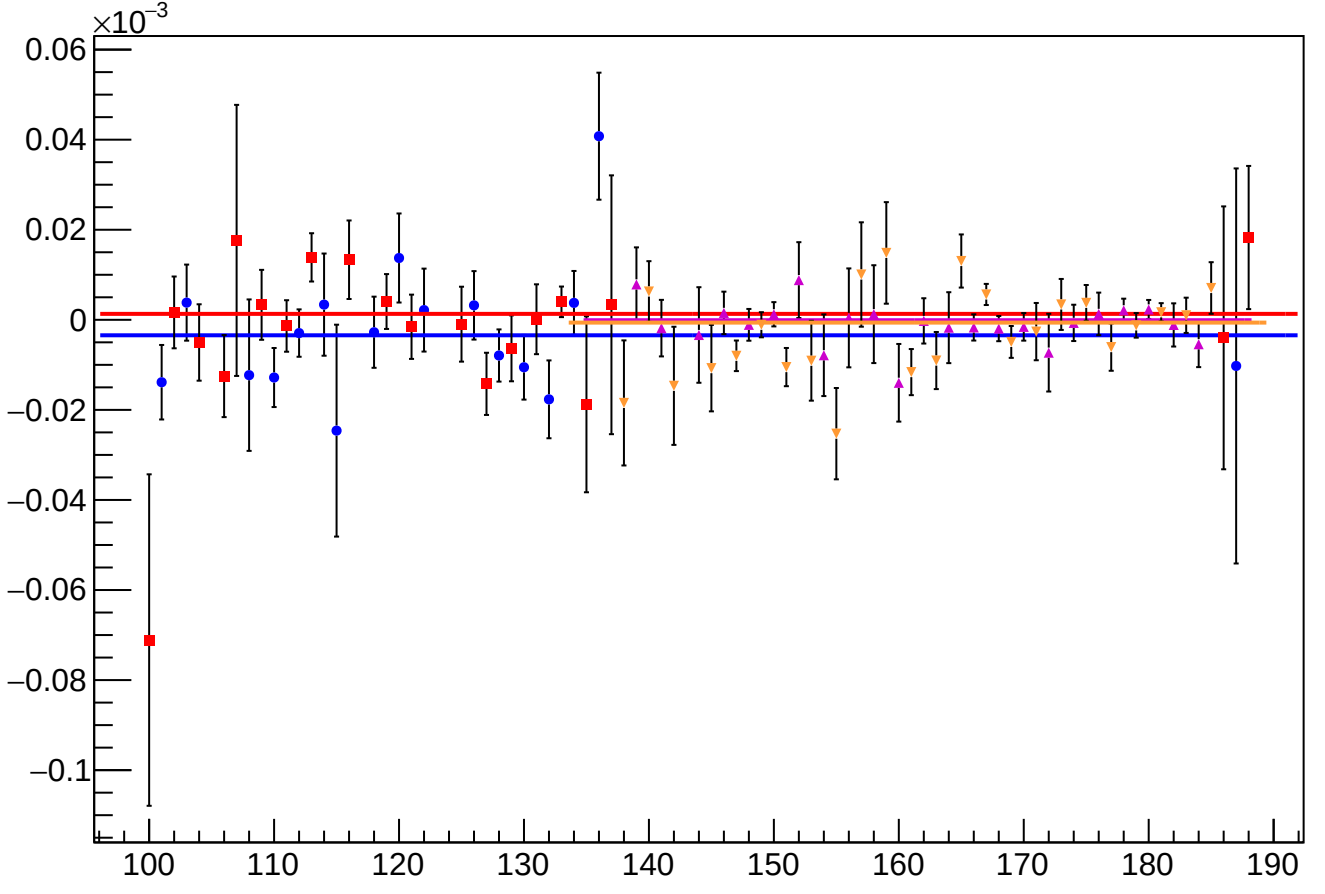
Right Out: 24.499+/-0.007 χ^2/NDF: 3176869.4/19

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 33.981+/-0.006 χ^2/NDF: 11251894.4/40

All: 31.742+/-0.004 χ^2/NDF: 25169962.3/83

- sign 29.917+/-0.005 χ^2/NDF: 13639868.1/42



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

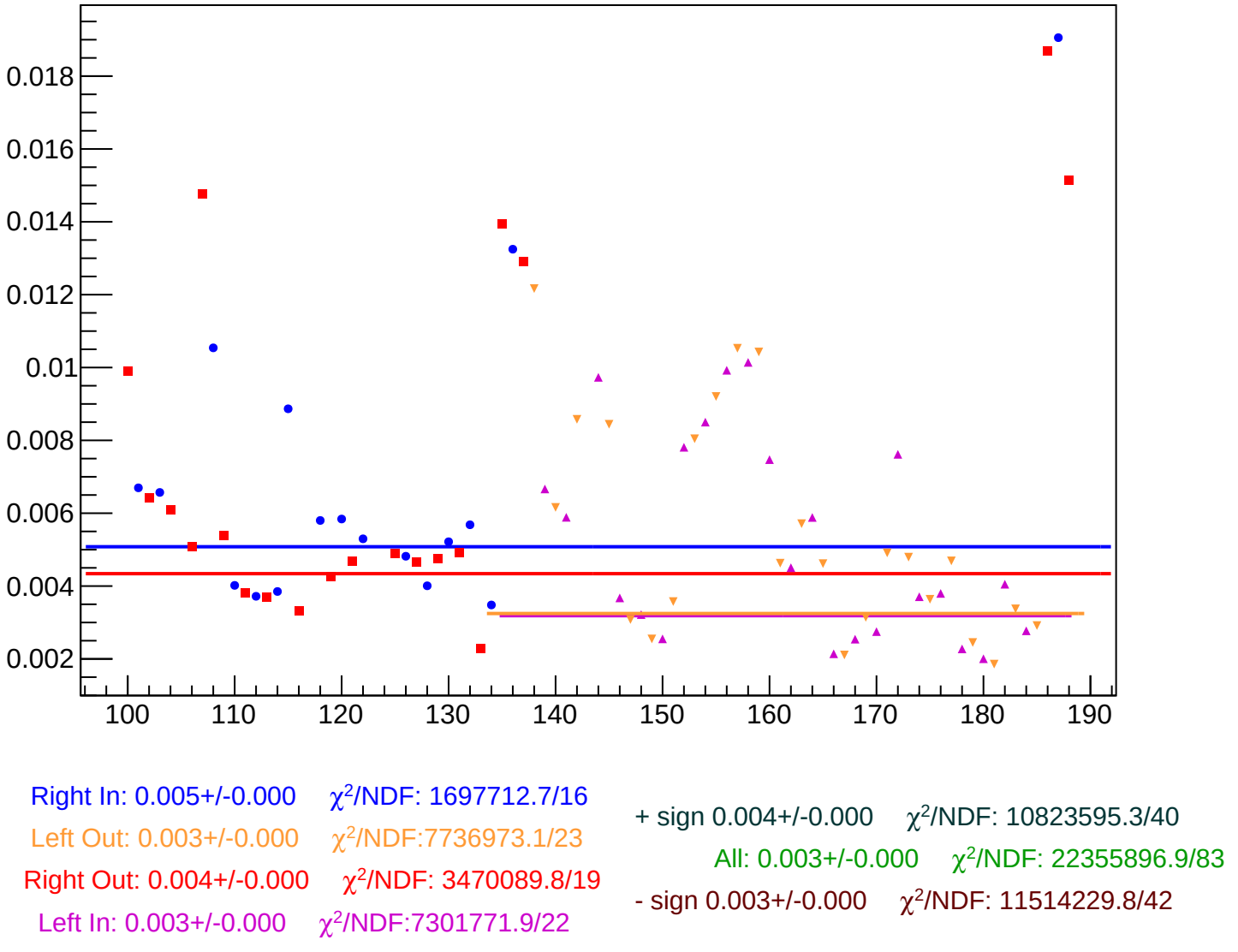
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/19

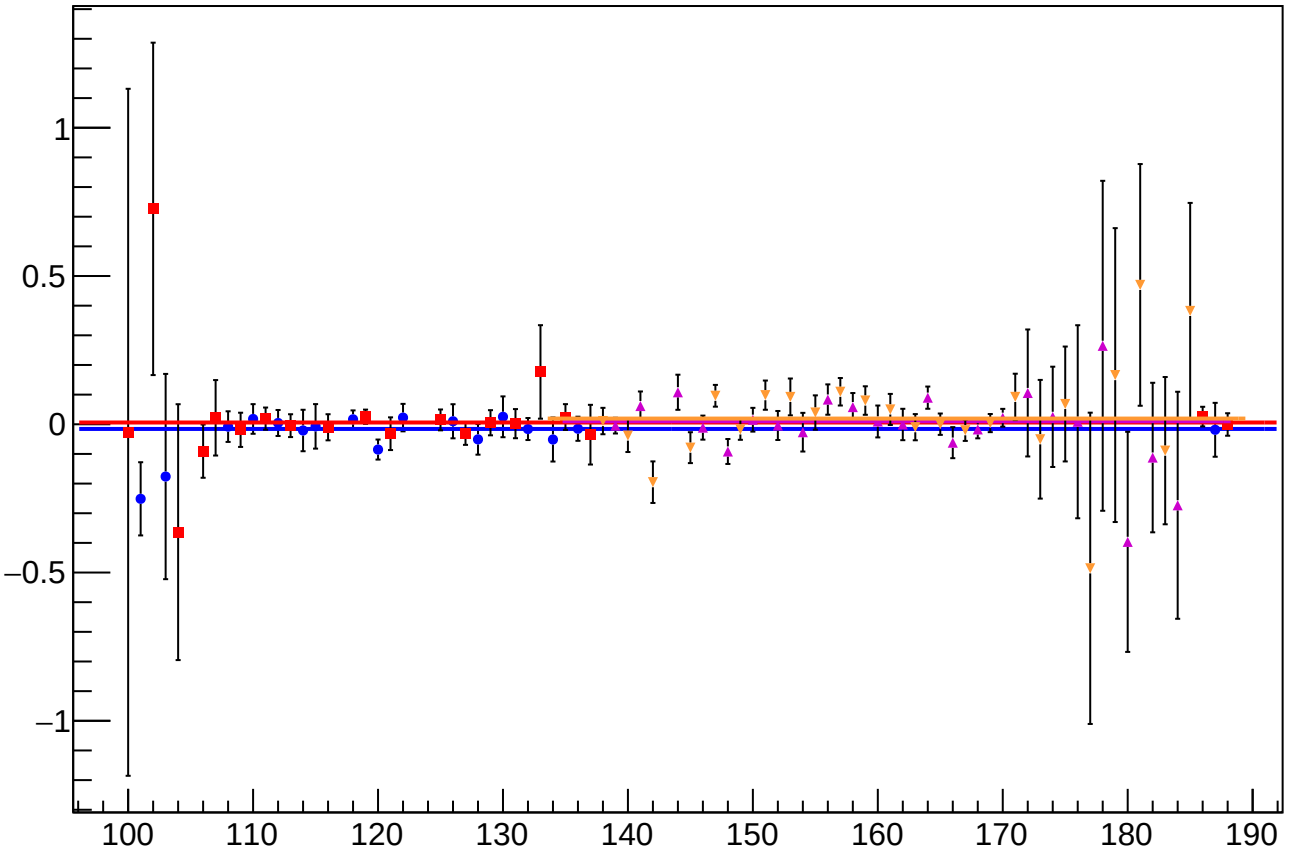
Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.0/40

All: -0.000+/-0.000 χ^2/NDF: 115.0/83

- sign 0.000+/-0.000 χ^2/NDF: 35.7/42


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.005+/-0.000 χ²/NDF: 1697712.7/16
Left Out: 0.003+/-0.000 χ²/NDF:7736973.1/23
Right Out: 0.004+/-0.000 χ²/NDF: 3470089.8/19
Left In: 0.003+/-0.000 χ²/NDF:7301771.9/22
+ sign 0.004+/-0.000 χ²/NDF: 10823595.3/40
All: 0.003+/-0.000 χ²/NDF: 22355896.9/83
- sign 0.003+/-0.000 χ²/NDF: 11514229.8/42



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

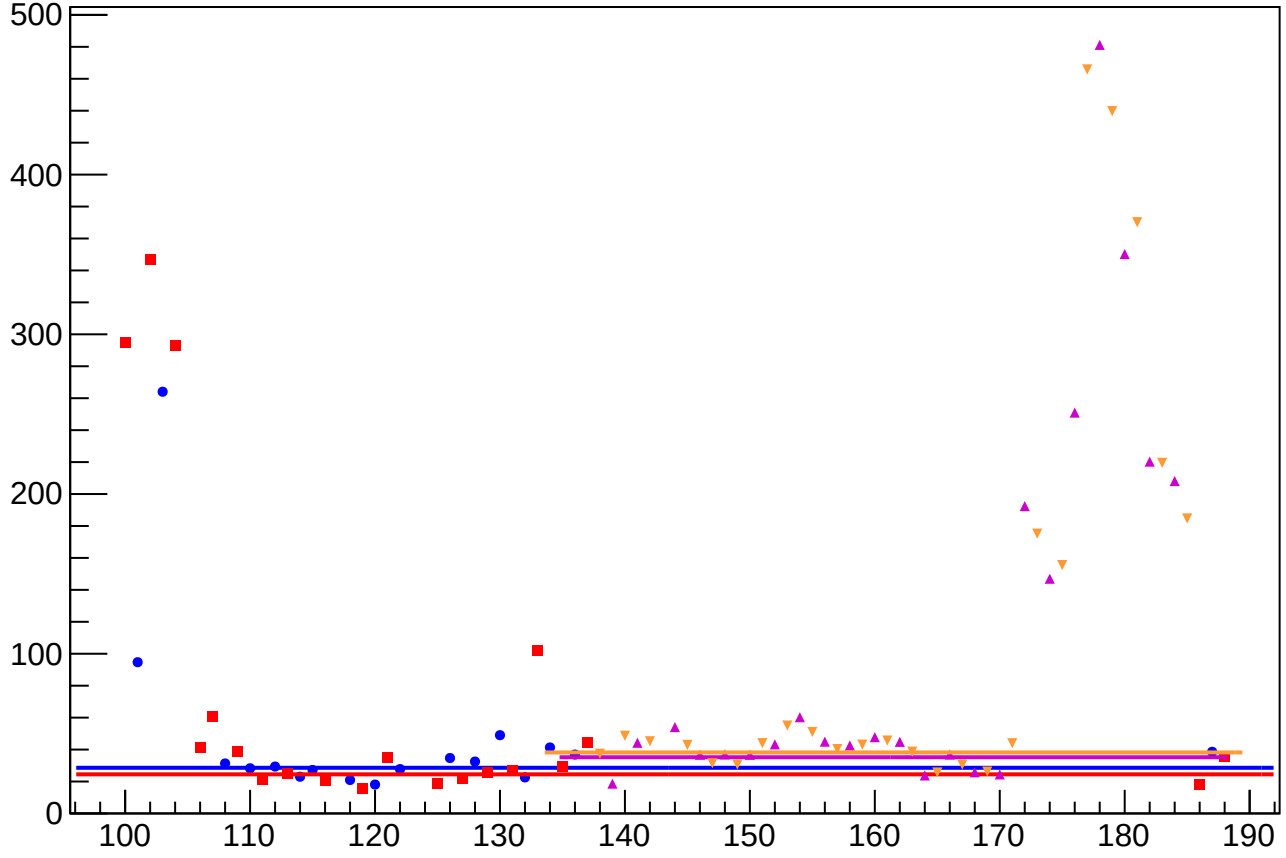
Right Out: 0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/40

All: 0.006+/-0.005 χ^2/NDF: 84.6/83

- sign 0.008+/-0.007 χ^2/NDF: 32.0/42



Right In: 28.595+/-0.009 χ^2/NDF: 2270420.7/16

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

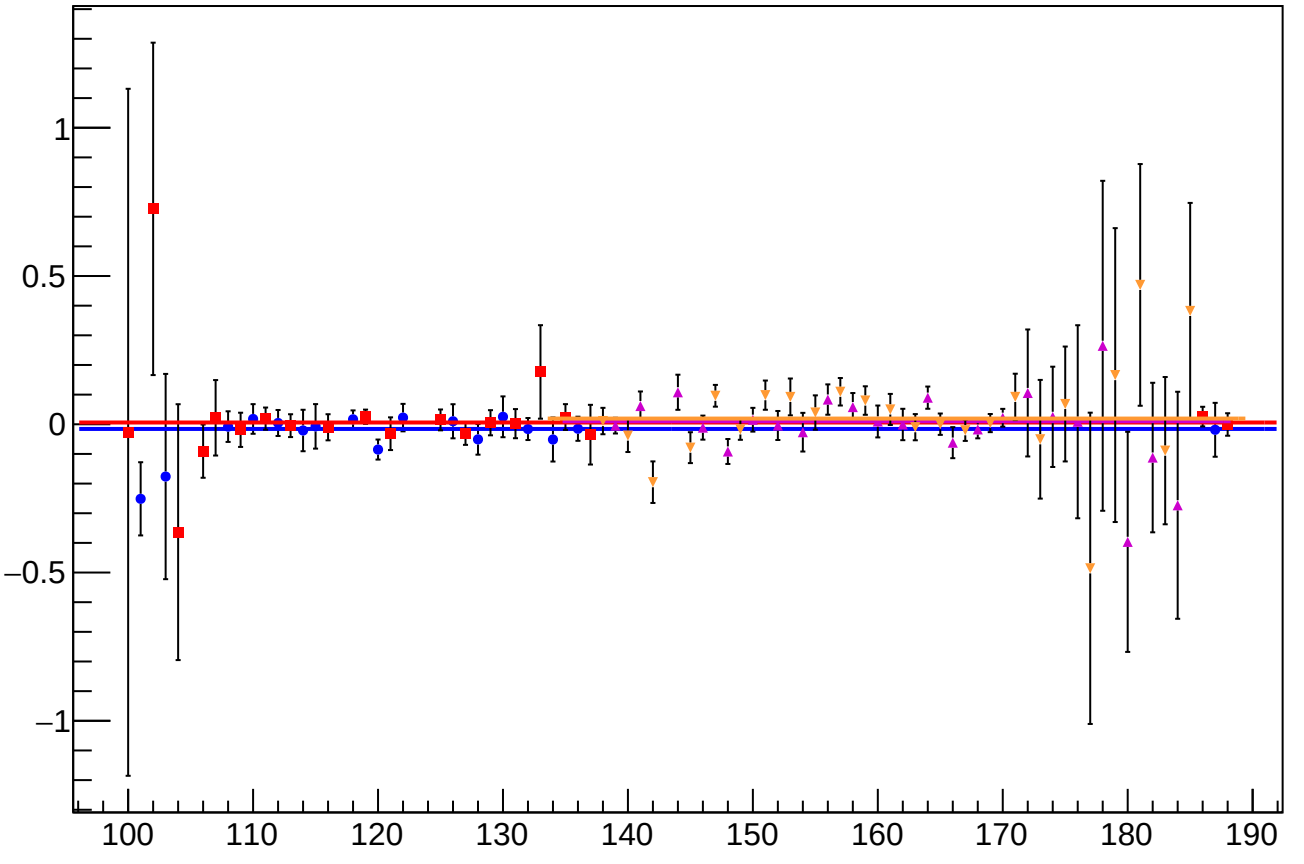
Right Out: 24.497+/-0.007 χ^2/NDF: 3177088.9/19

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.981+/-0.006 χ^2/NDF: 11252024.4/40

All: 31.741+/-0.004 χ^2/NDF: 25171335.4/83

- sign 29.915+/-0.005 χ^2/NDF: 13640936.0/42



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

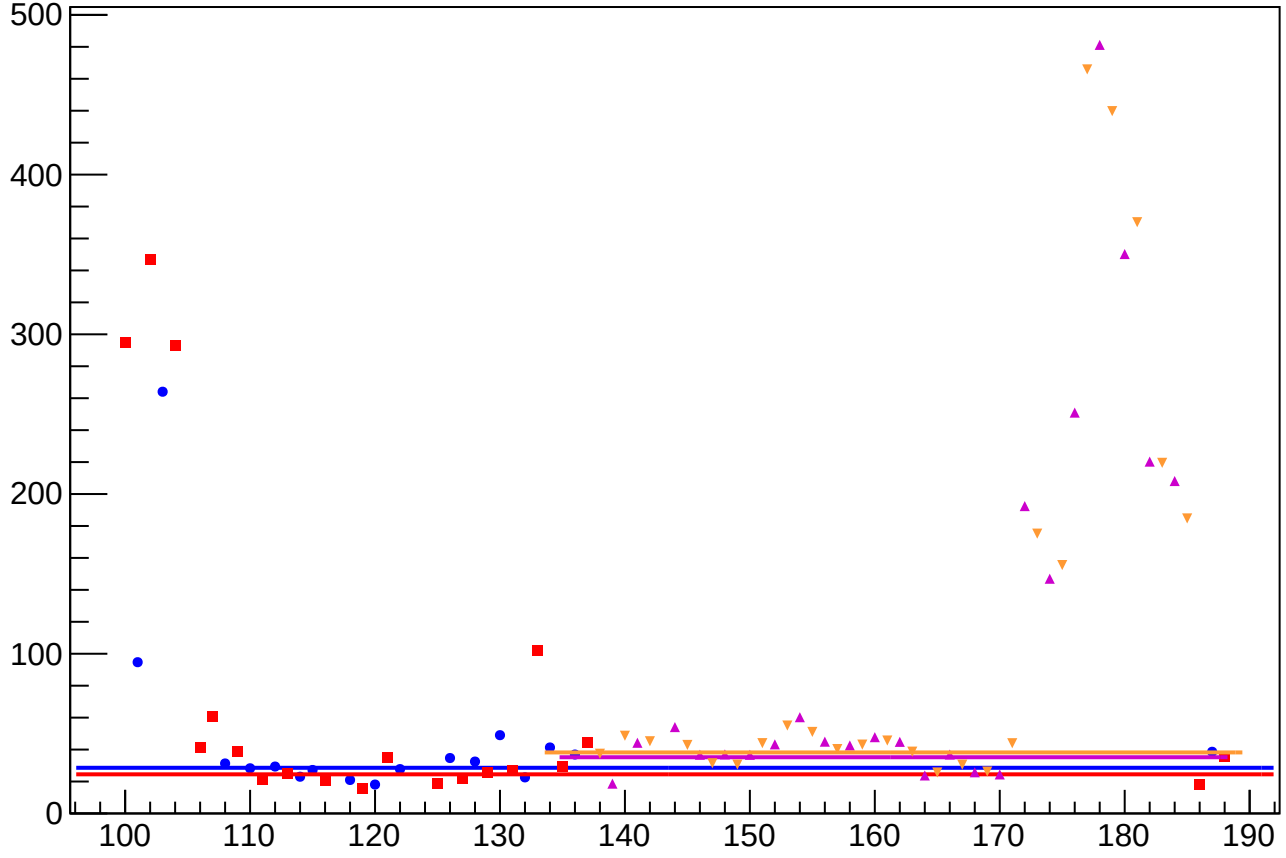
Right Out: 0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/40

All: 0.006+/-0.005 χ^2/NDF: 84.6/83

- sign 0.008+/-0.007 χ^2/NDF: 32.0/42



Right In: 28.595+/-0.009 χ^2/NDF: 2270420.7/16

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

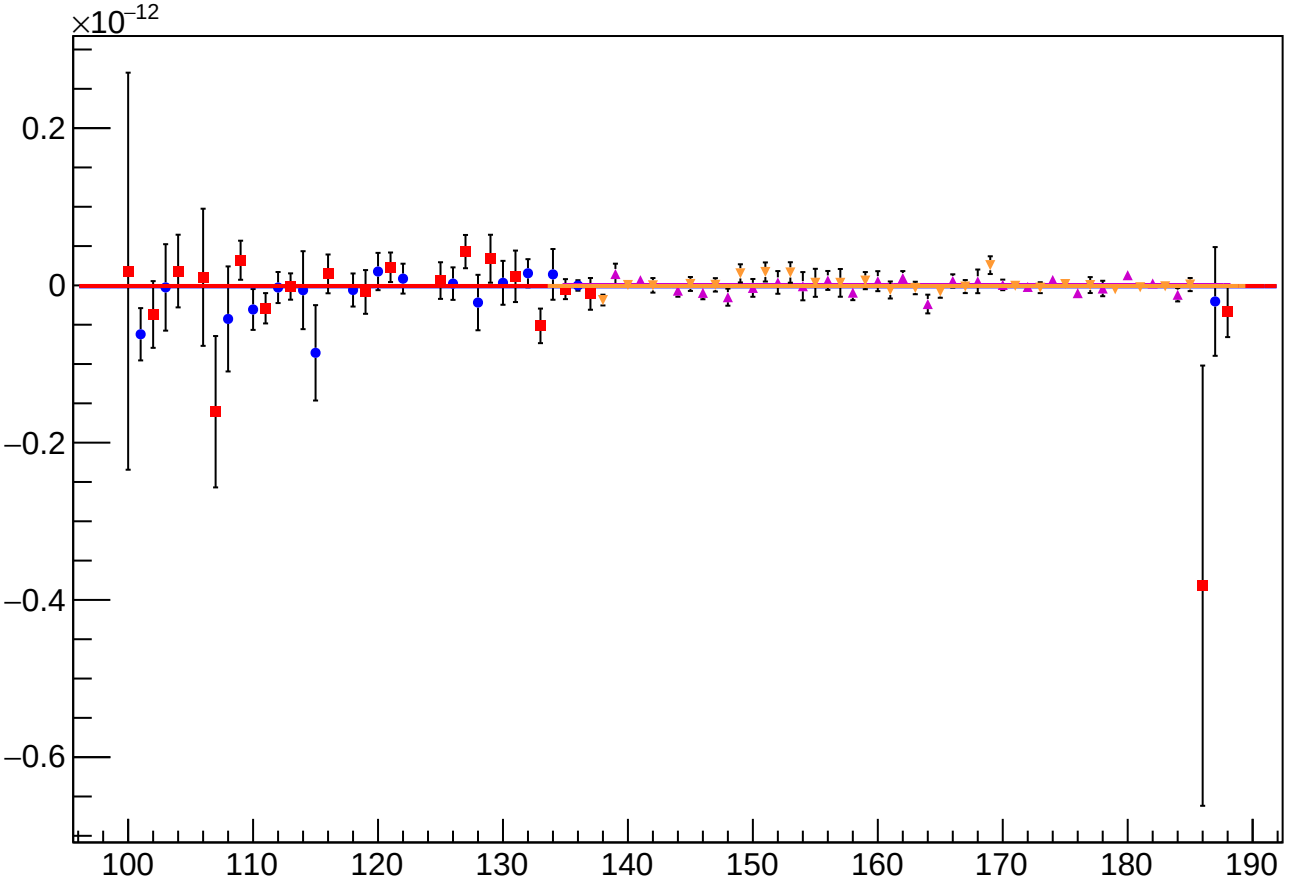
Right Out: 24.497+/-0.007 χ^2/NDF: 3177088.9/19

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.981+/-0.006 χ^2/NDF: 11252024.4/40

All: 31.741+/-0.004 χ^2/NDF: 25171335.4/83

- sign 29.915+/-0.005 χ^2/NDF: 13640936.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

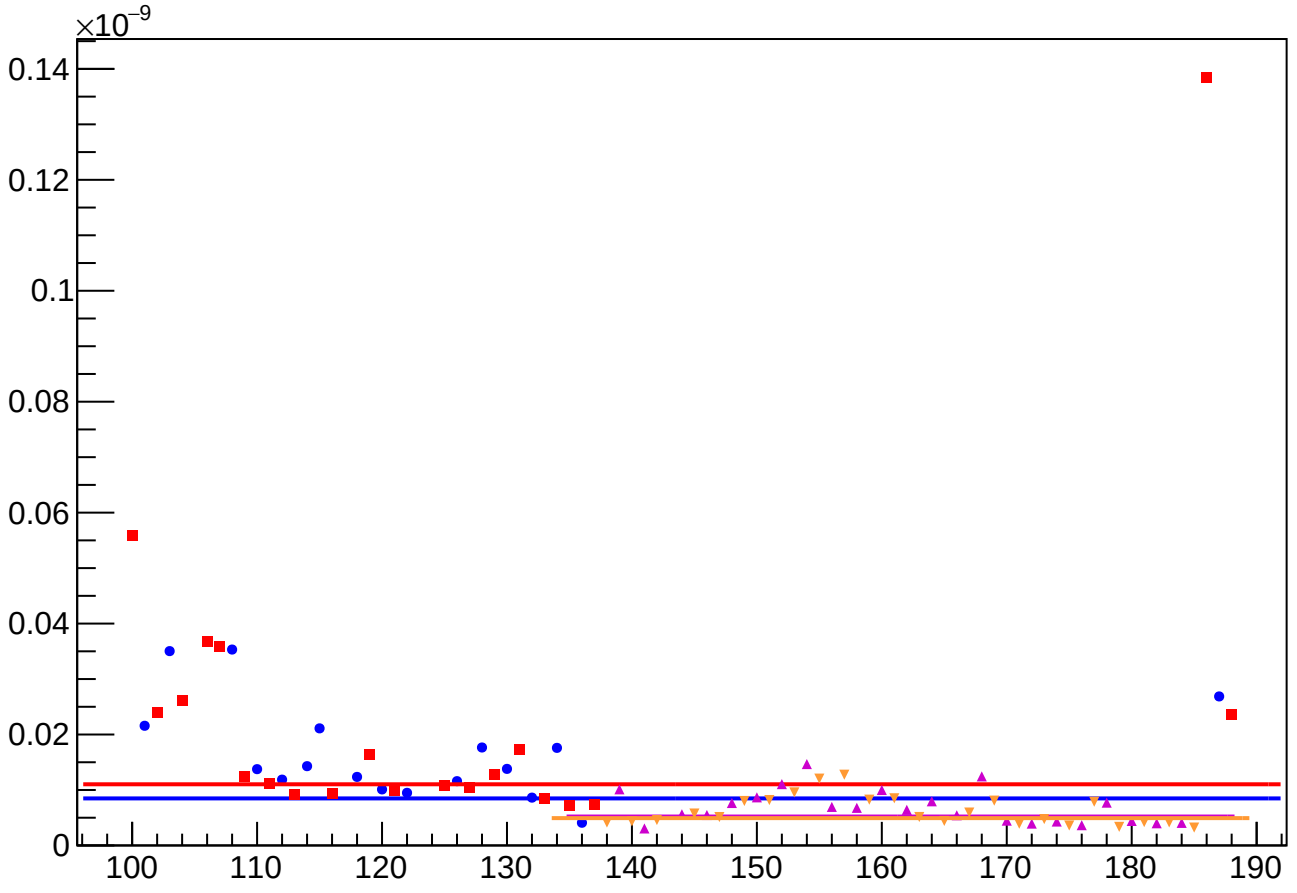
Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/19

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.6/40

All: -0.000+/-0.000 χ^2/NDF: 81.2/83

- sign 0.000+/-0.000 χ^2/NDF: 50.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 2852166.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1952833.4/19

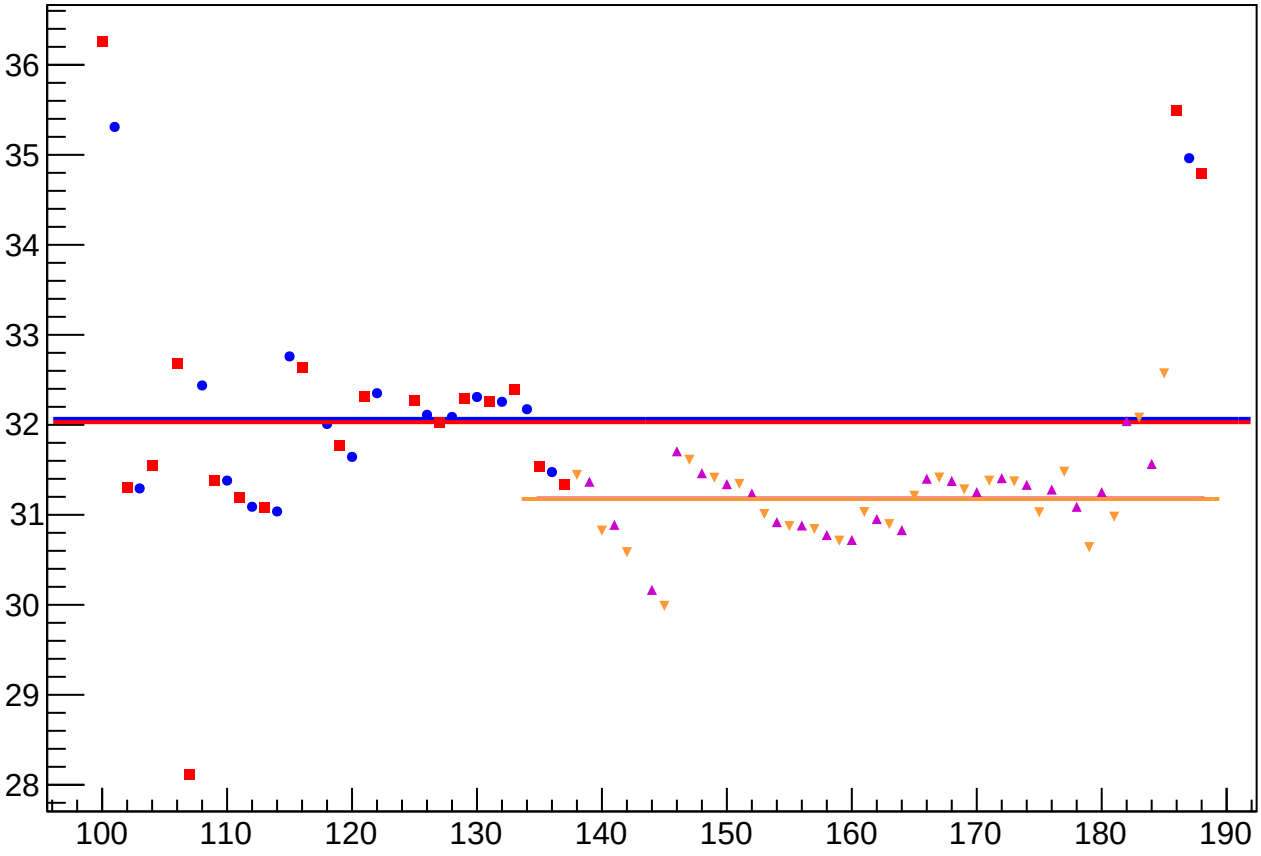
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6485865.2/40

All: 0.000+/-0.000 χ^2/NDF: 13986493.2/83

- sign 0.000+/-0.000 χ^2/NDF: 7429194.4/42

yield_usl_mean vs Slug



Right In: 32.066+/-0.000 χ^2/NDF: 972692985.5/16

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.030+/-0.000 χ^2/NDF: 1113859072.3/19

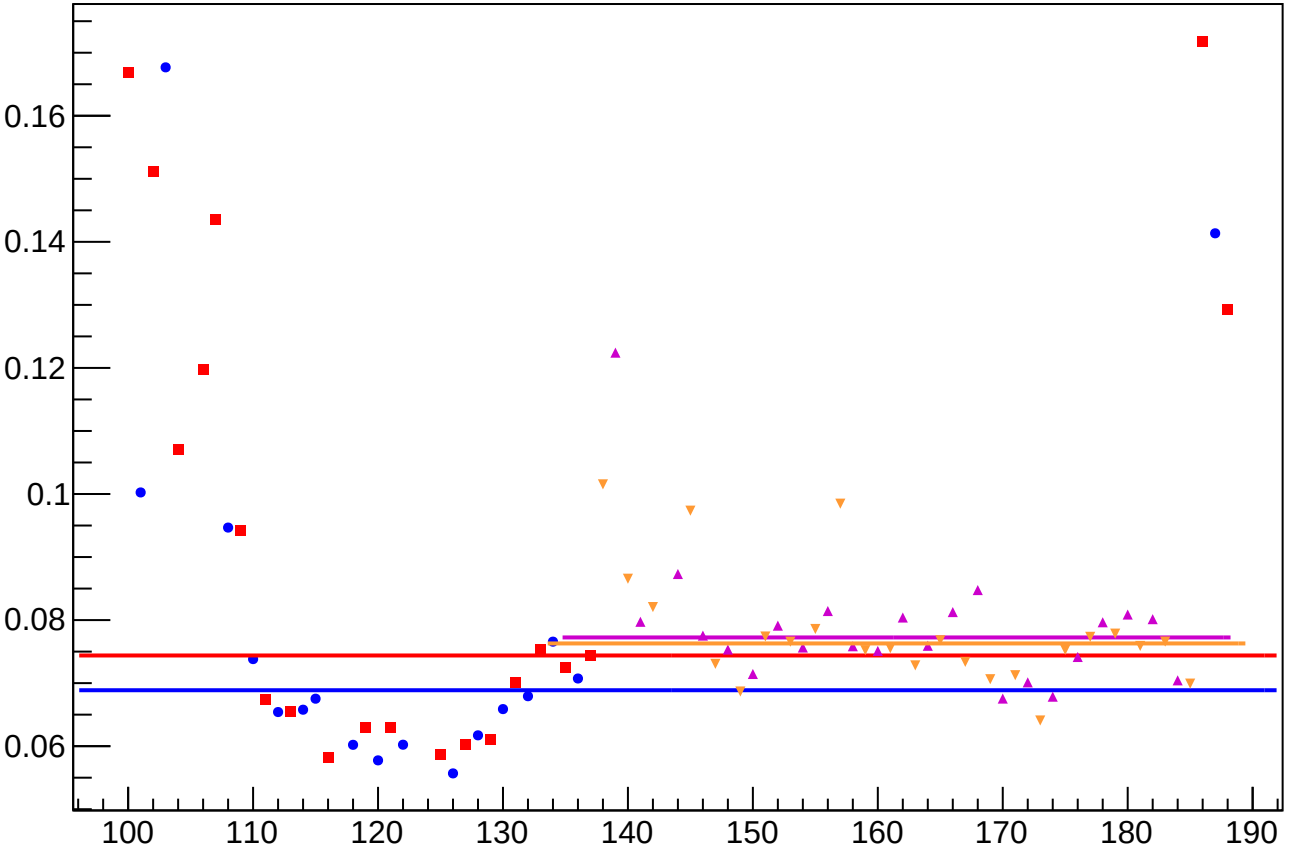
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.460+/-0.000 χ^2/NDF: 2229359481.0/40

All: 31.457+/-0.000 χ^2/NDF: 4360619690.9/8

- sign 31.454+/-0.000 χ^2/NDF: 2131184336.1/42

yield_usl_rms vs Slug



Right In: 0.069+/-0.000 χ^2/NDF: 795997.6/16

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.074+/-0.000 χ^2/NDF: 1497051.7/19

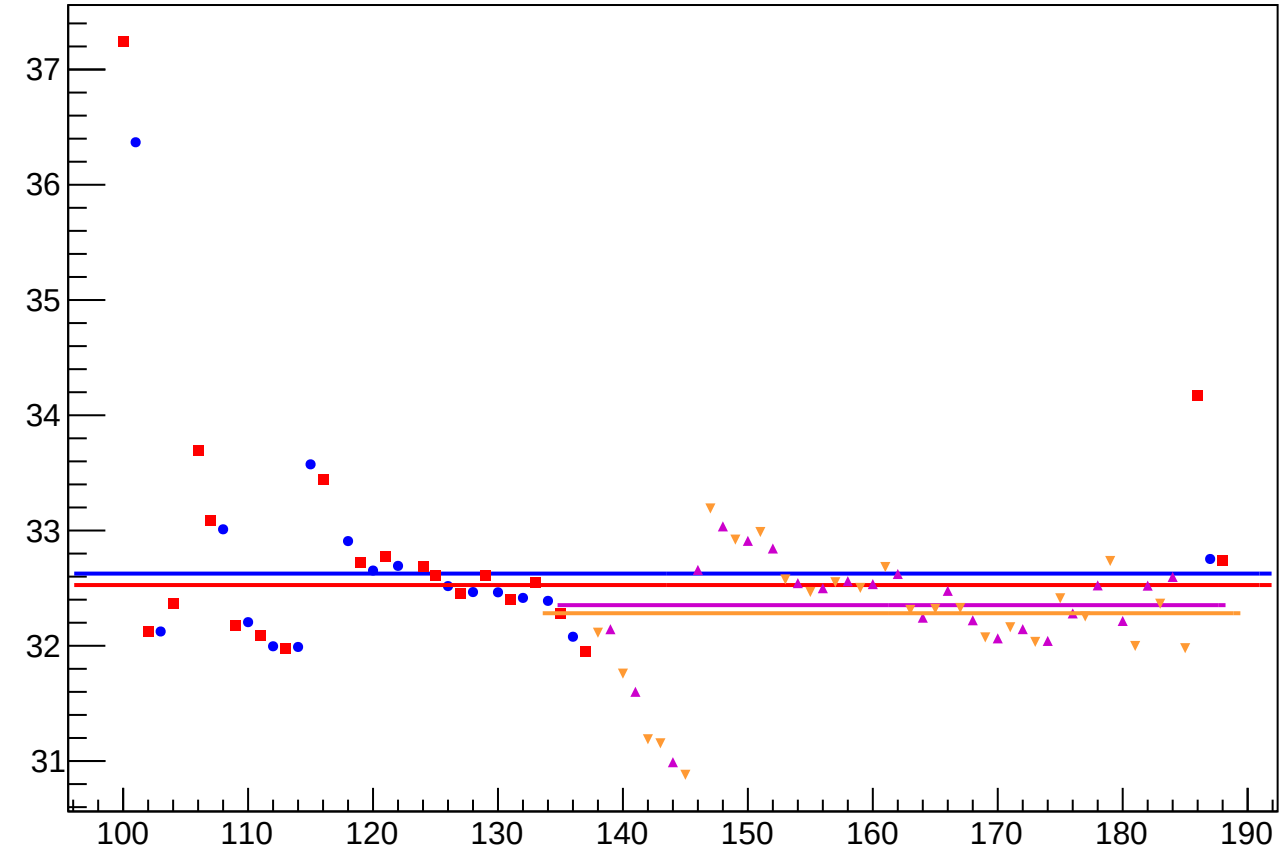
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.074+/-0.000 χ^2/NDF: 1253754.5/40

All: 0.075+/-0.000 χ^2/NDF: 3154439.8/83

- sign 0.076+/-0.000 χ^2/NDF: 1876822.5/42

yield_usr_mean vs Slug



Right In: 32.626+/-0.000 χ^2/NDF: 739280908.1/16

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.527+/-0.000 χ^2/NDF: 214677154.6/20

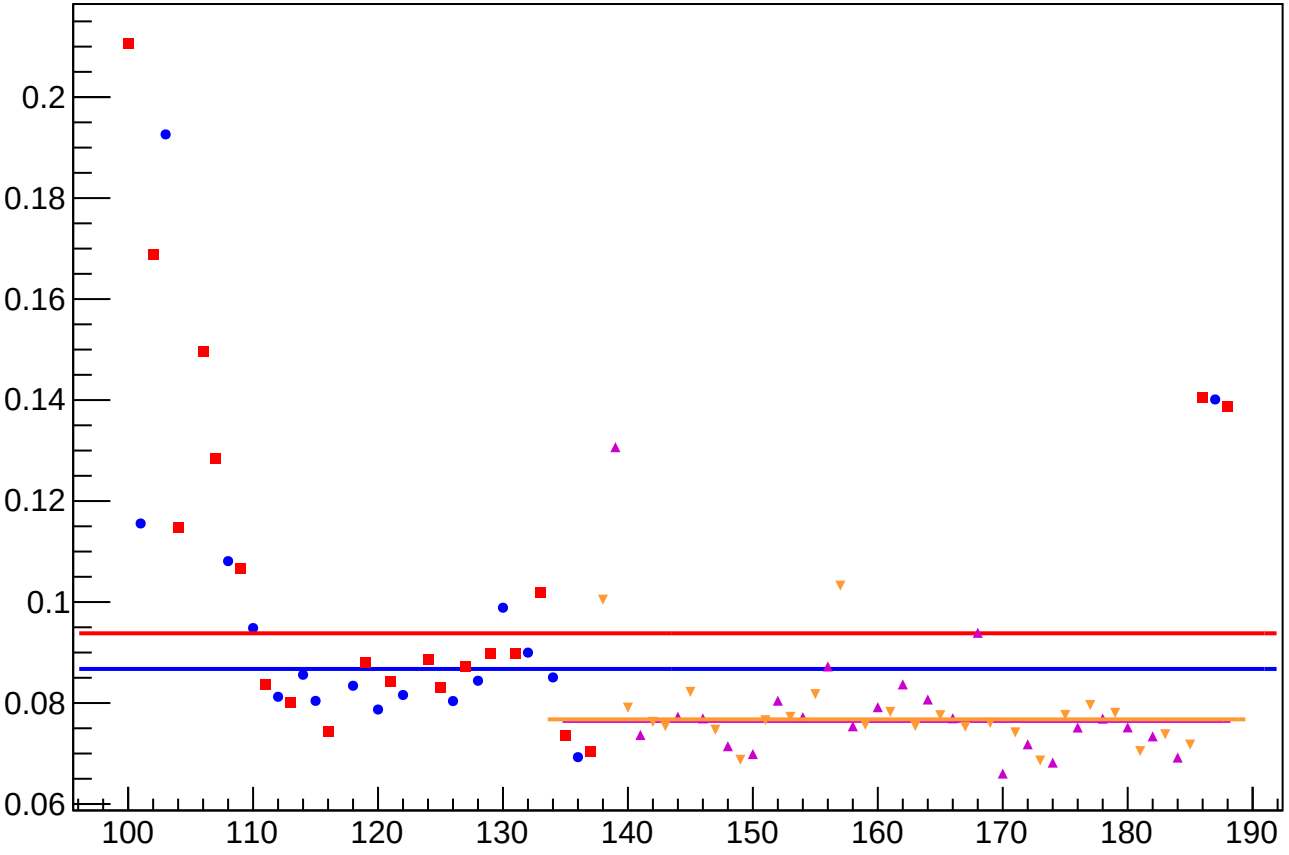
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.359+/-0.000 χ^2/NDF: 1656808136.1/41

All: 32.375+/-0.000 χ^2/NDF: 2483702104.6/8

- sign 32.393+/-0.000 χ^2/NDF: 824693466.7/43

yield_usr_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 648221.6/16

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.094+/-0.000 χ^2/NDF: 912600.6/20

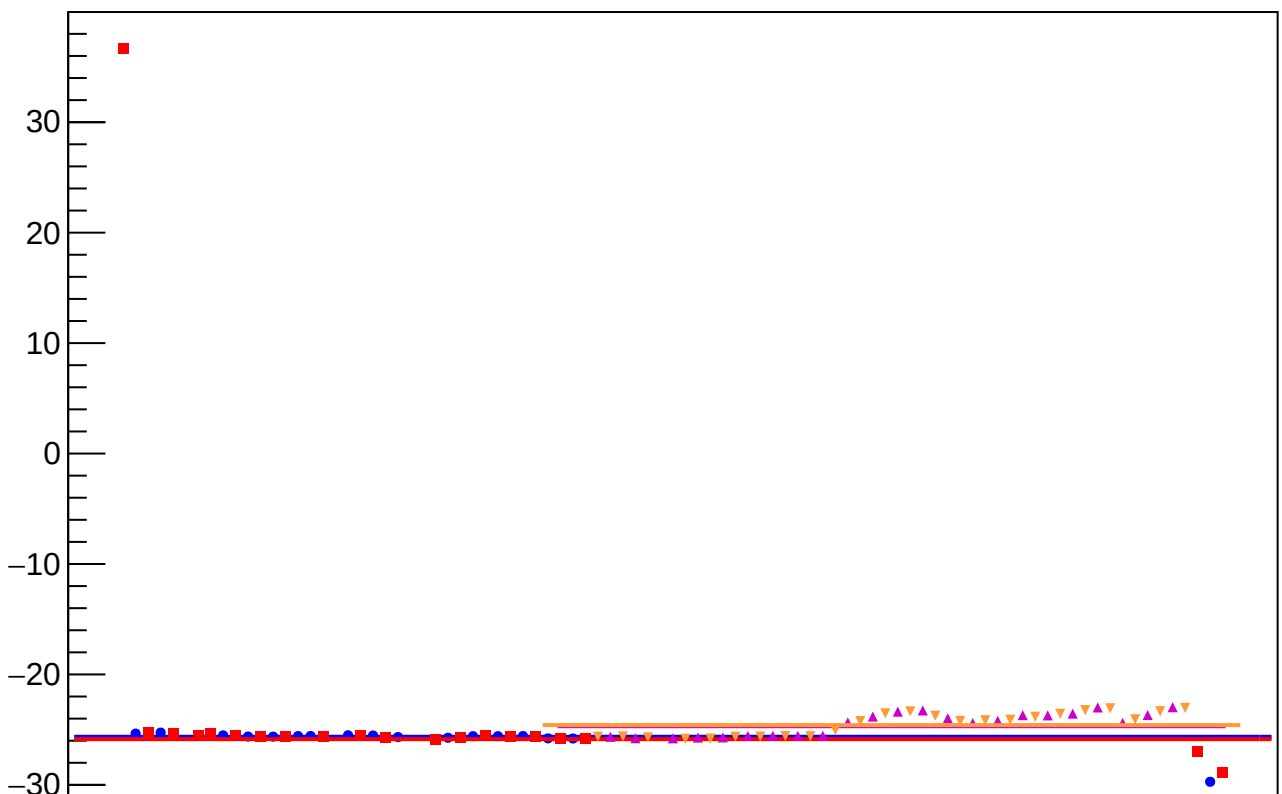
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.079+/-0.000 χ^2/NDF: 1031357.6/41

All: 0.080+/-0.000 χ^2/NDF: 2832696.6/85

- sign 0.080+/-0.000 χ^2/NDF: 1793078.4/43

yield_dsl_mean vs Slug



Right In: -25.643+/-0.000 χ^2/NDF: 1192574263.1/16

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -25.860+/-0.000 χ^2/NDF: 12831877194.3/19

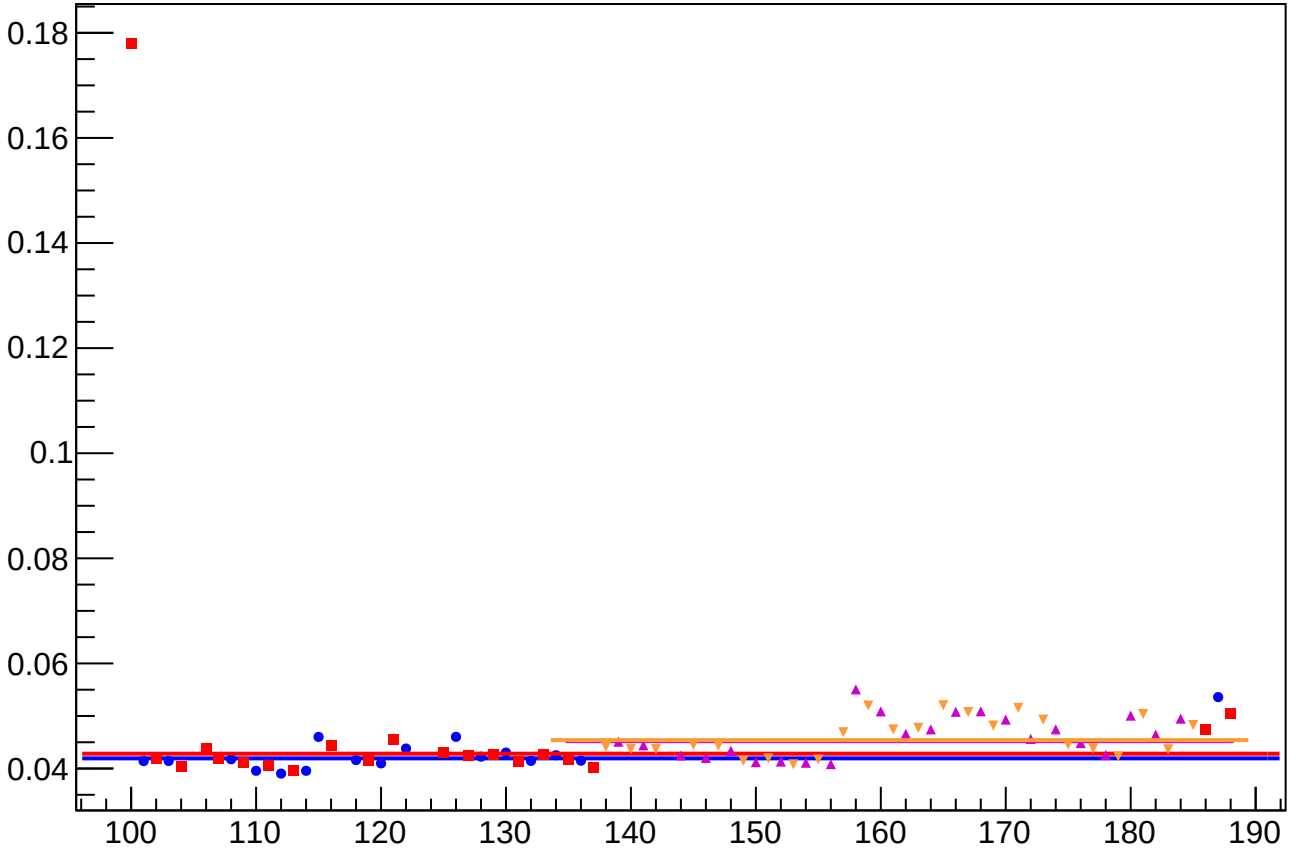
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -24.929+/-0.000 χ^2/NDF: 13526651930.4/40

All: -25.015+/-0.000 χ^2/NDF: 39535759391.0

- sign -25.097+/-0.000 χ^2/NDF: 25822114530.1/42

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 38624.9/16

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.043+/-0.000 χ^2/NDF: 158510.1/19

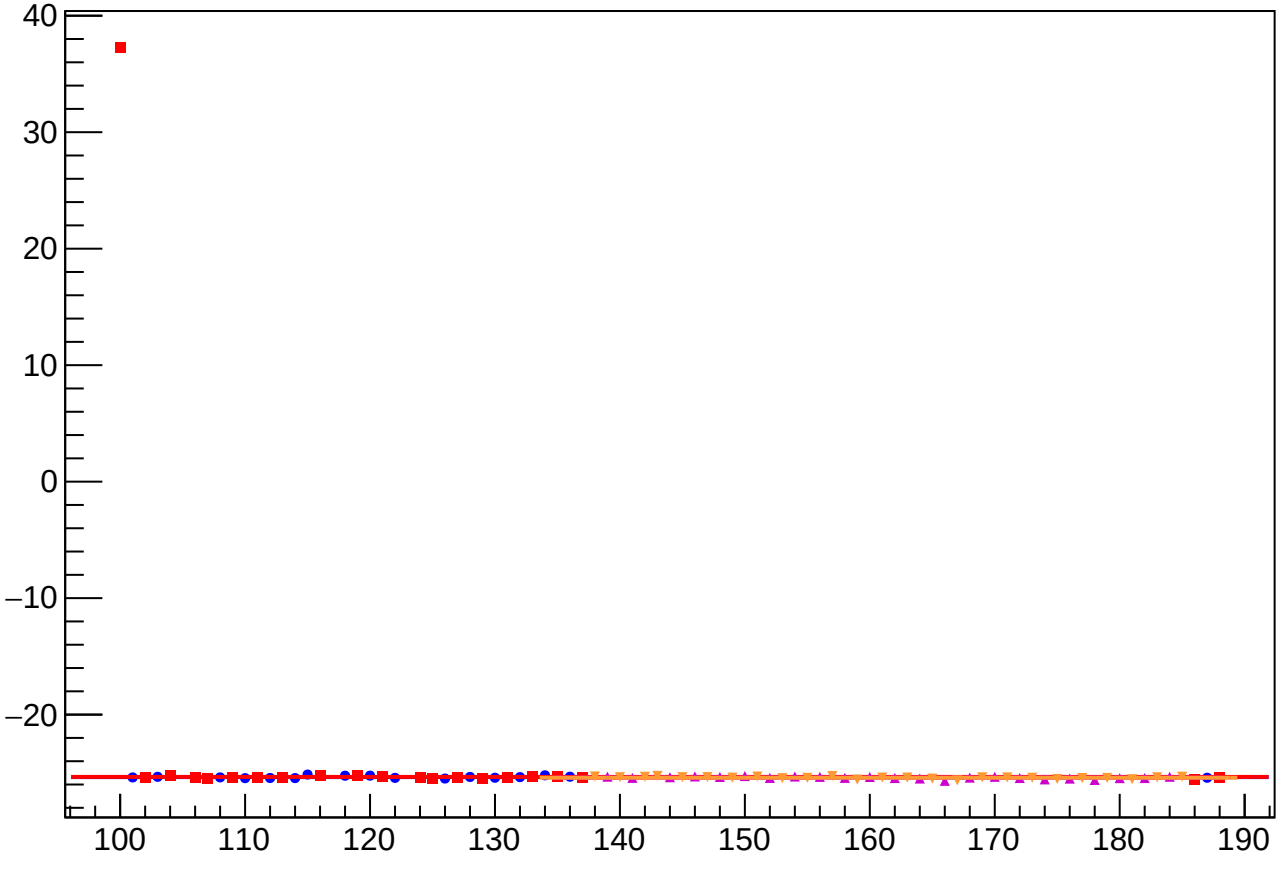
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.044+/-0.000 χ^2/NDF: 312269.2/40

All: 0.044+/-0.000 χ^2/NDF: 750036.1/83

- sign 0.044+/-0.000 χ^2/NDF: 437652.6/42

yield_dsr_mean vs Slug



Right In: -25.363+/-0.000 χ^2/NDF: 13566993.9/16

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.348+/-0.000 χ^2/NDF: 6324307734.6/20

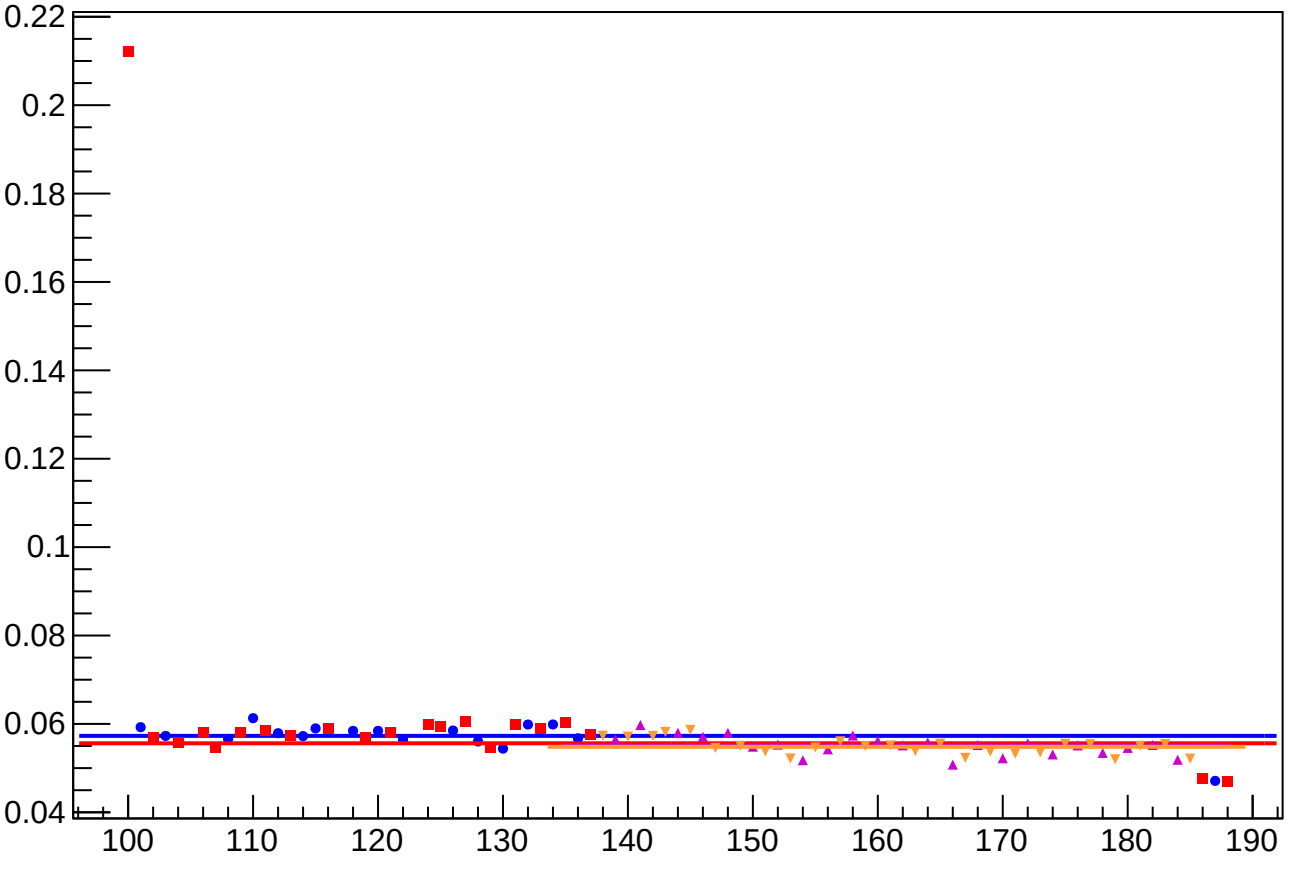
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.403+/-0.000 χ^2/NDF: 70543626.4/41

All: -25.398+/-0.000 χ^2/NDF: 6459410189.7/

- sign -25.393+/-0.000 χ^2/NDF: 6388454718.3/43

yield_dsr_rms vs Slug



Right In: 0.057+/-0.000 χ^2/NDF: 29878.4/16

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

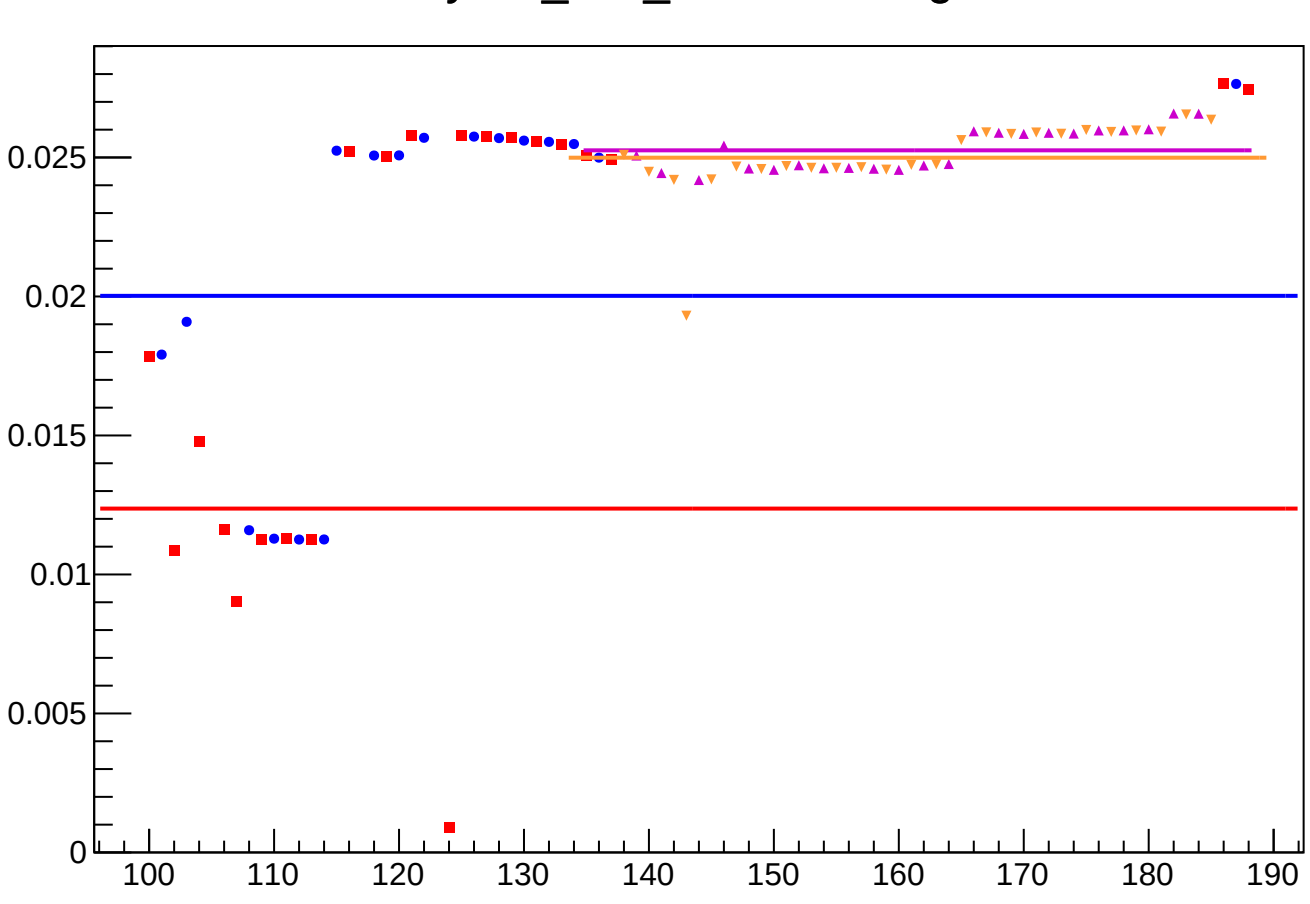
Right Out: 0.056+/-0.000 χ^2/NDF: 199764.1/20

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.055+/-0.000 χ^2/NDF: 87680.7/41

All: 0.055+/-0.000 χ^2/NDF: 340230.9/85

- sign 0.055+/-0.000 χ^2/NDF: 252234.1/43



Right In: 0.020+/-0.000 χ^2/NDF: 63541176943.3/16

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.012+/-0.000 χ^2/NDF: 291470290586.9/20

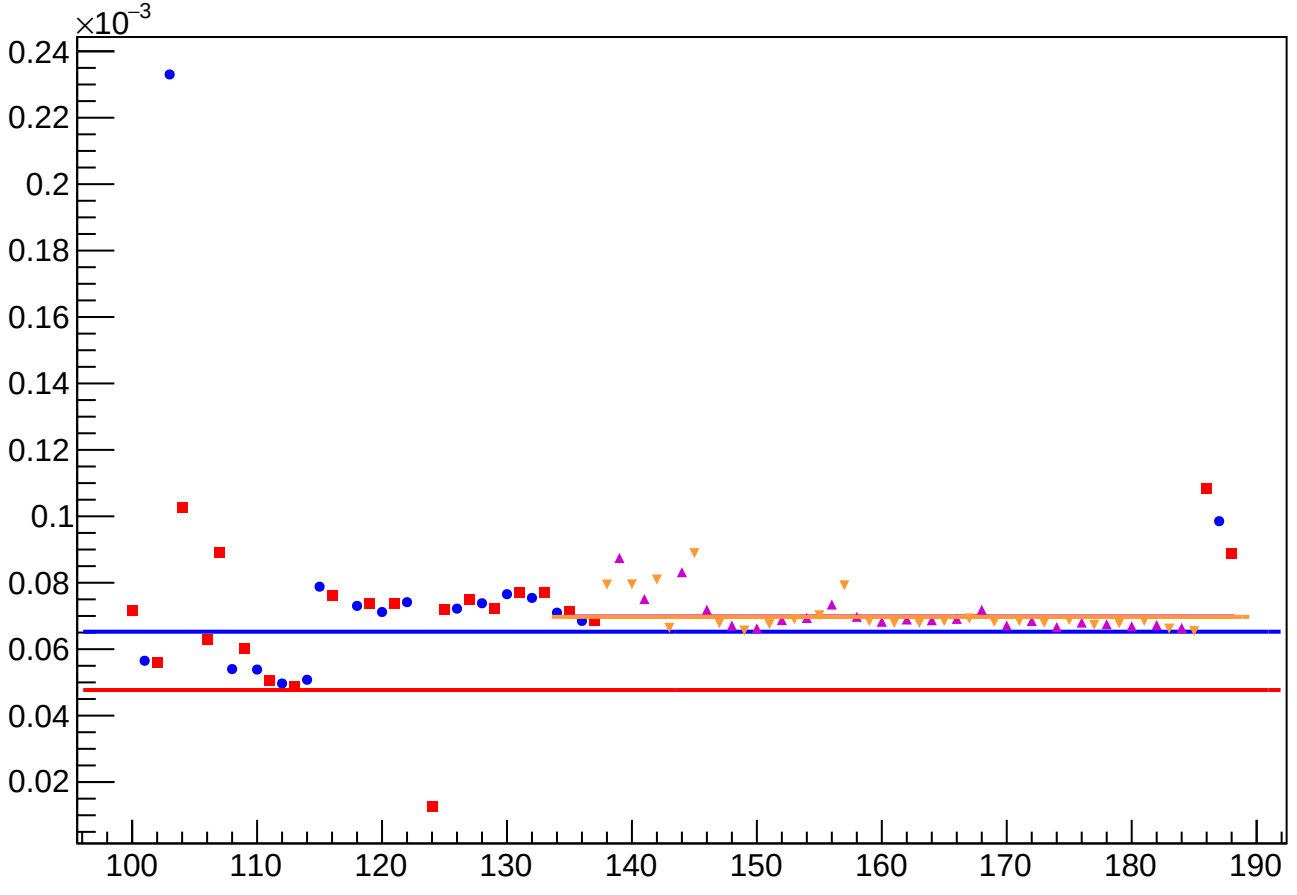
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 99123146203.1/41

All: 0.022+/-0.000 χ^2/NDF: 690749179257.4

- sign 0.020+/-0.000 χ^2/NDF: 550761160485.5/43

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 857890.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

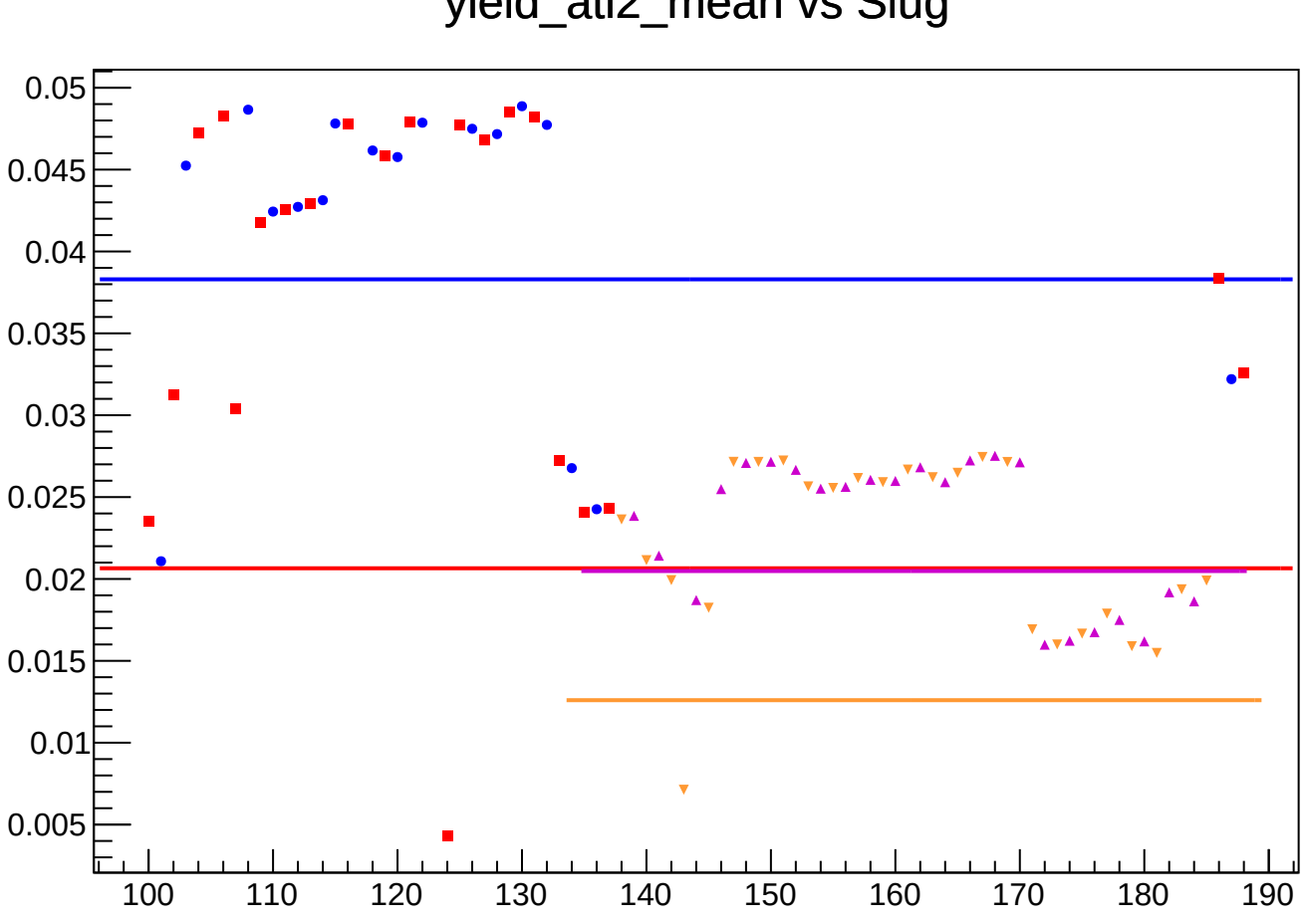
Right Out: 0.000+/-0.000 χ^2/NDF: 4470156.4/20

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1090789.7/41

All: 0.000+/-0.000 χ^2/NDF: 7604151.8/85

- sign 0.000+/-0.000 χ^2/NDF: 6145982.8/43



Right In: 0.038+/-0.000 χ^2/NDF: 7110046809.7/16

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.021+/-0.000 χ^2/NDF: 43188659895.5/20

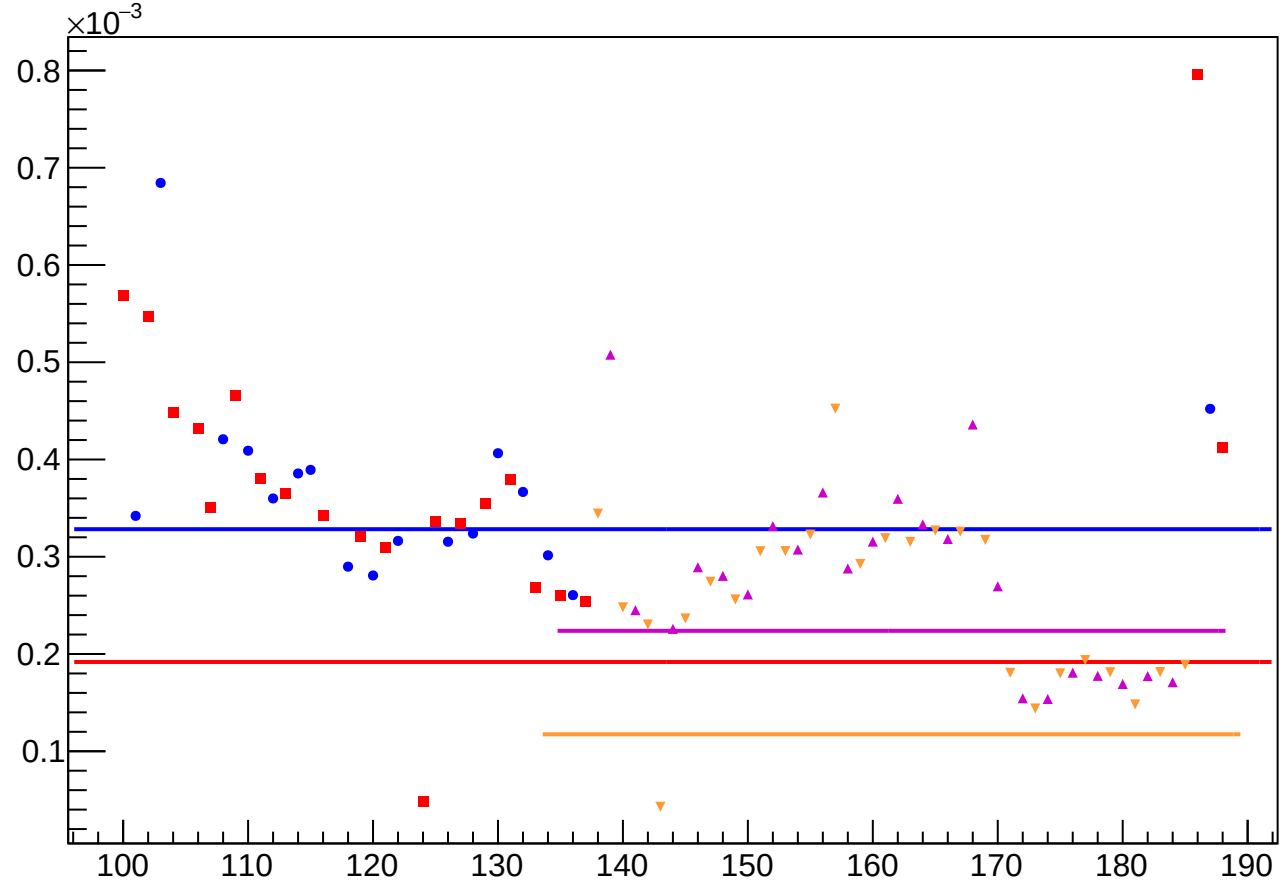
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.014+/-0.000 χ^2/NDF: 81182233023.2/41

All: 0.017+/-0.000 χ^2/NDF: 140728083284.7

- sign 0.021+/-0.000 χ^2/NDF: 49291119991.7/43

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 607333.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

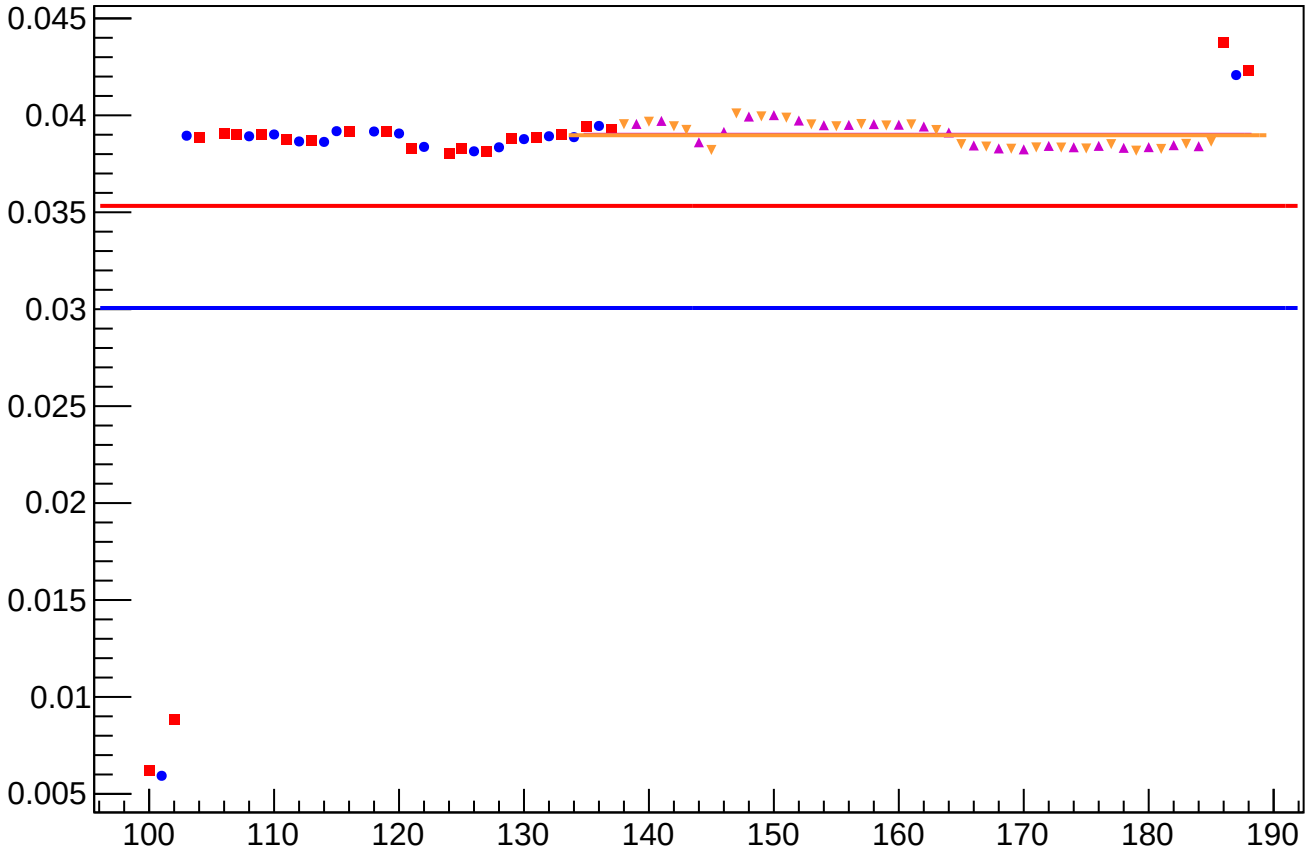
Right Out: 0.000+/-0.000 χ^2/NDF: 6679238.9/20

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 19944989.4/41

All: 0.000+/-0.000 χ^2/NDF: 33911443.5/85

- sign 0.000+/-0.000 χ^2/NDF: 10251870.4/43



Right In: 0.030+/-0.000 χ^2/NDF: 108812158300.8/16

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

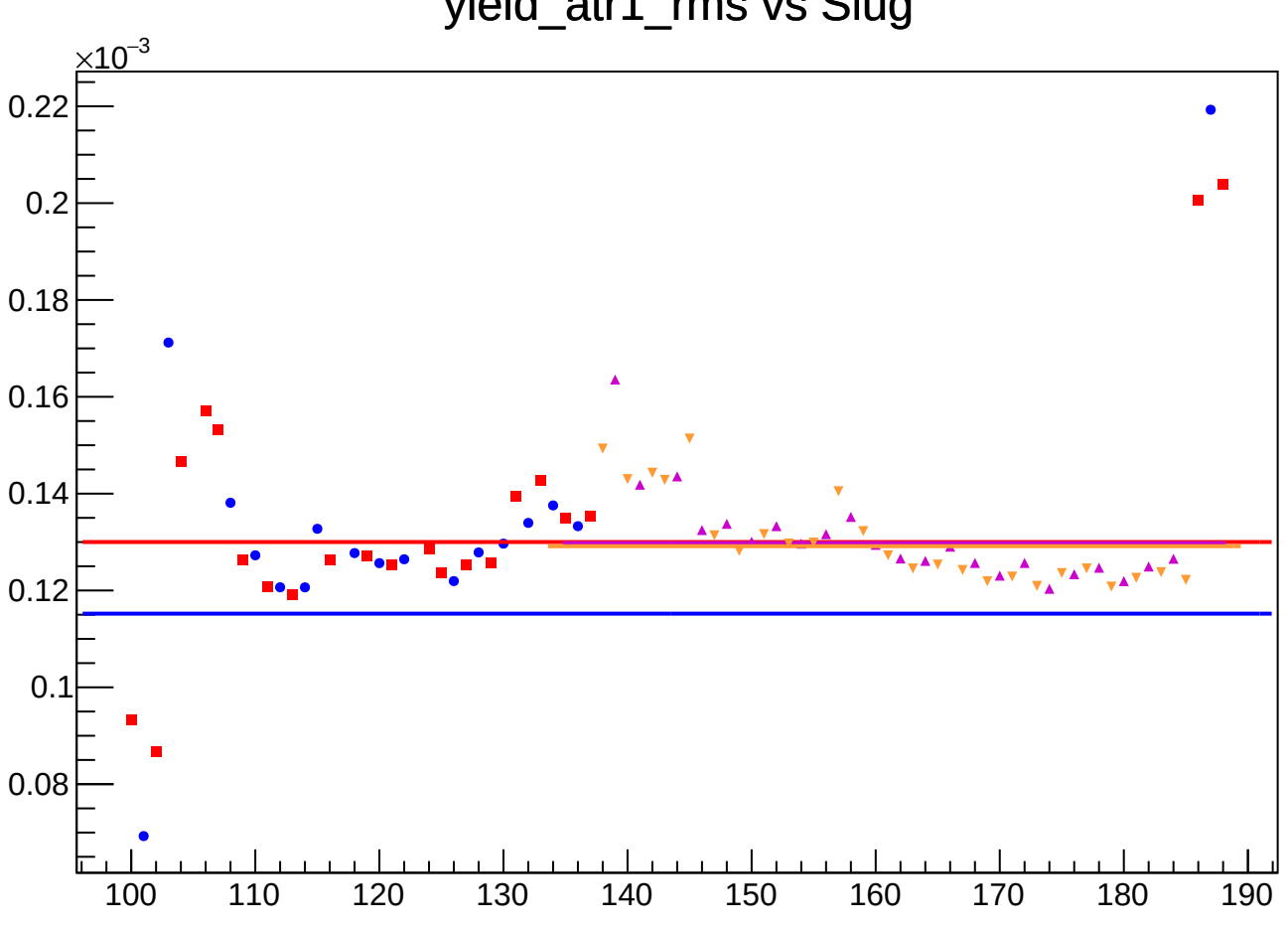
Right Out: 0.035+/-0.000 χ^2/NDF: 49197545673.4/20

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.036+/-0.000 χ^2/NDF: 137241346172.0/41

All: 0.037+/-0.000 χ^2/NDF: 193463363791.4

- sign 0.038+/-0.000 χ^2/NDF: 54042701655.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 933630.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 633240.8/20

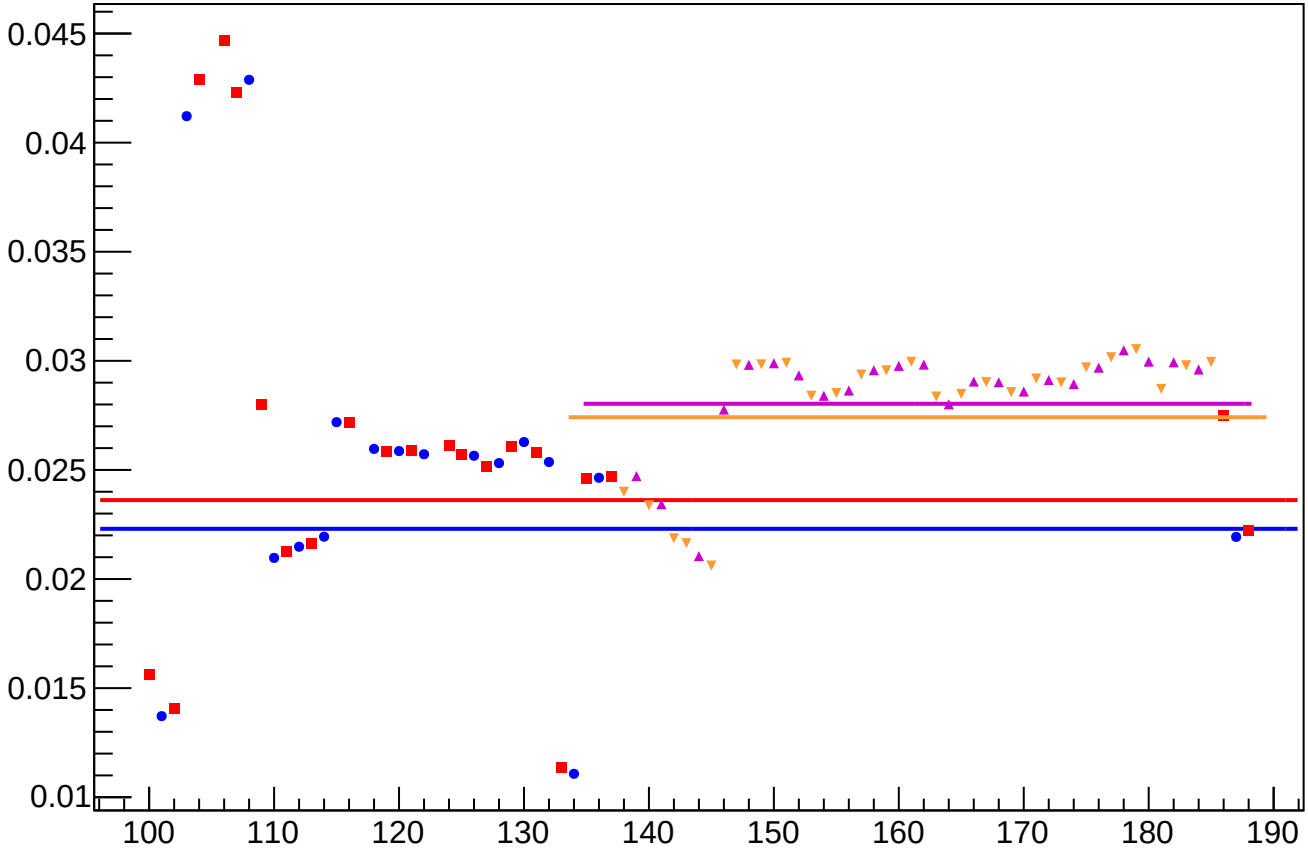
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 1227796.9/41

All: 0.000+/-0.000 χ^2/NDF: 2043216.3/85

- sign 0.000+/-0.000 χ^2/NDF: 775108.8/43

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012715230.7/16

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

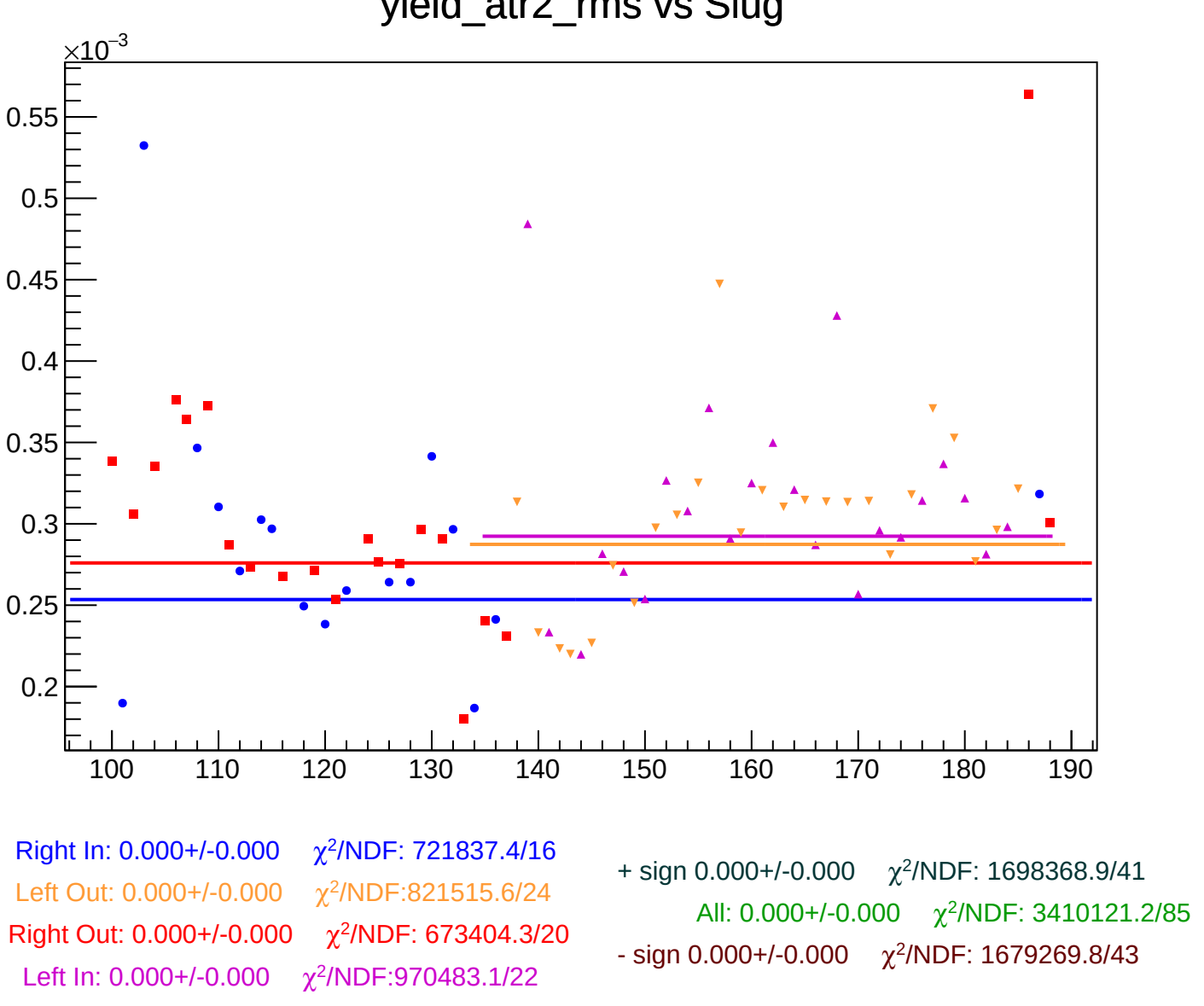
Right Out: 0.024+/-0.000 χ^2/NDF: 5619454259.2/20

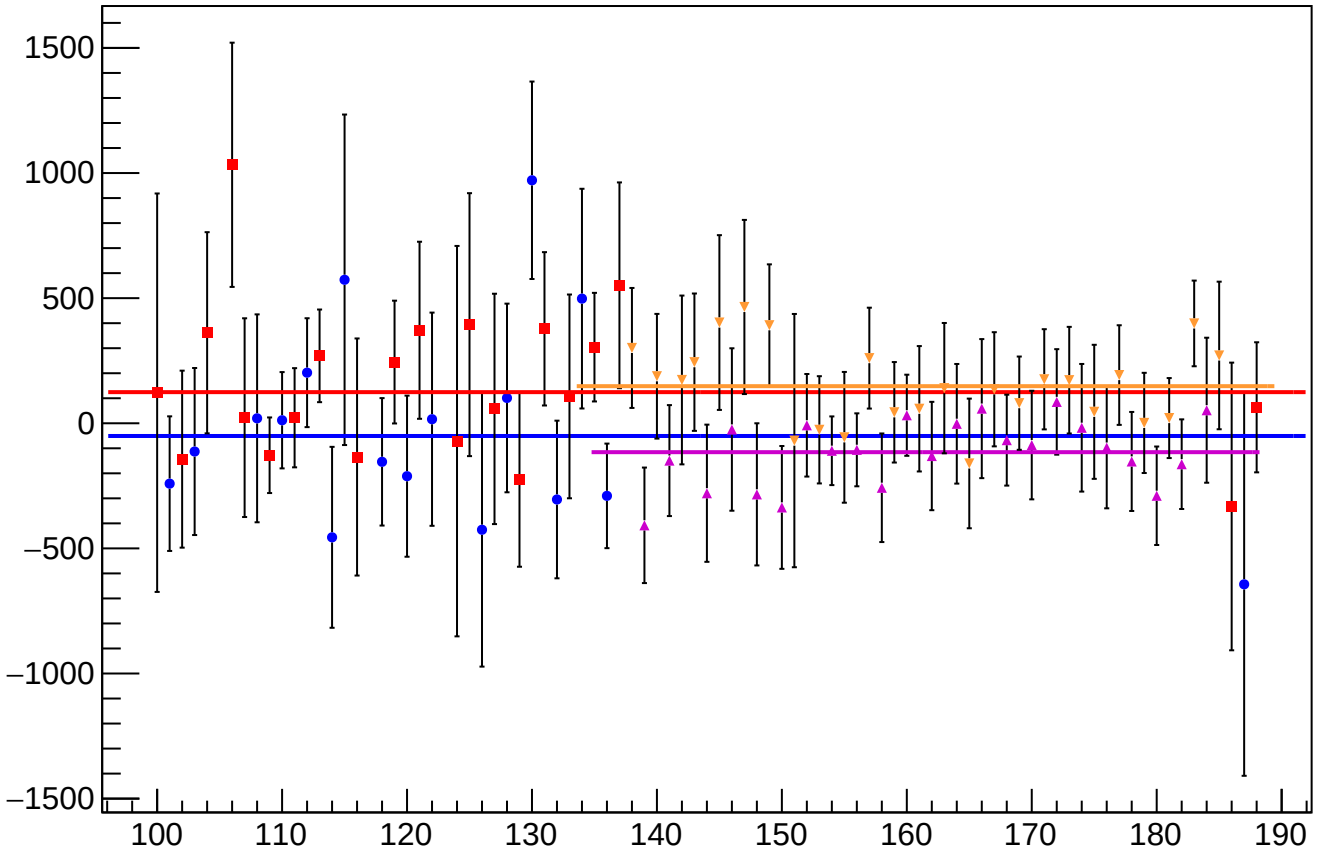
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9014579937.5/41

All: 0.026+/-0.000 χ^2/NDF: 17494942721.4/8

- sign 0.027+/-0.000 χ^2/NDF: 8390658387.3/43


yield_atr2_rms vs Slug
×10⁻³
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 721837.4/16
Left Out: 0.000+/-0.000 χ²/NDF:821515.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 673404.3/20
Left In: 0.000+/-0.000 χ²/NDF:970483.1/22
+ sign 0.000+/-0.000 χ²/NDF: 1698368.9/41
All: 0.000+/-0.000 χ²/NDF: 3410121.2/85
- sign 0.000+/-0.000 χ²/NDF: 1679269.8/43



Right In: -50.793+/-75.823 χ^2/NDF: 16.1/16

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 124.433+/-65.414 χ^2/NDF: 13.6/20

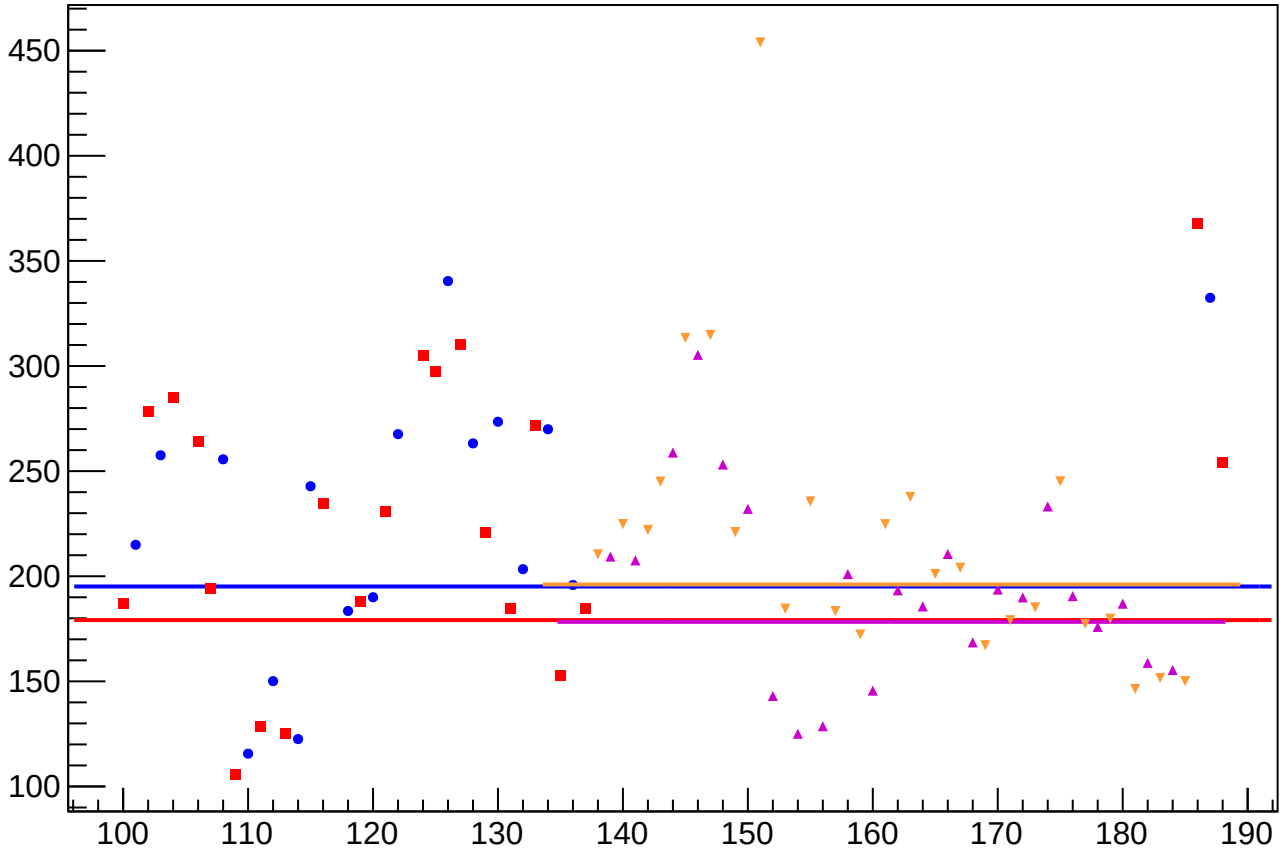
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 94.344+/-39.465 χ^2/NDF: 31.5/41

All: 20.543+/-26.702 χ^2/NDF: 68.6/85

- sign -41.763+/-36.261 χ^2/NDF: 30.7/43

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.129+/-0.054 χ^2/NDF: 1113124.9/16

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 179.152+/-0.046 χ^2/NDF: 2064641.3/20

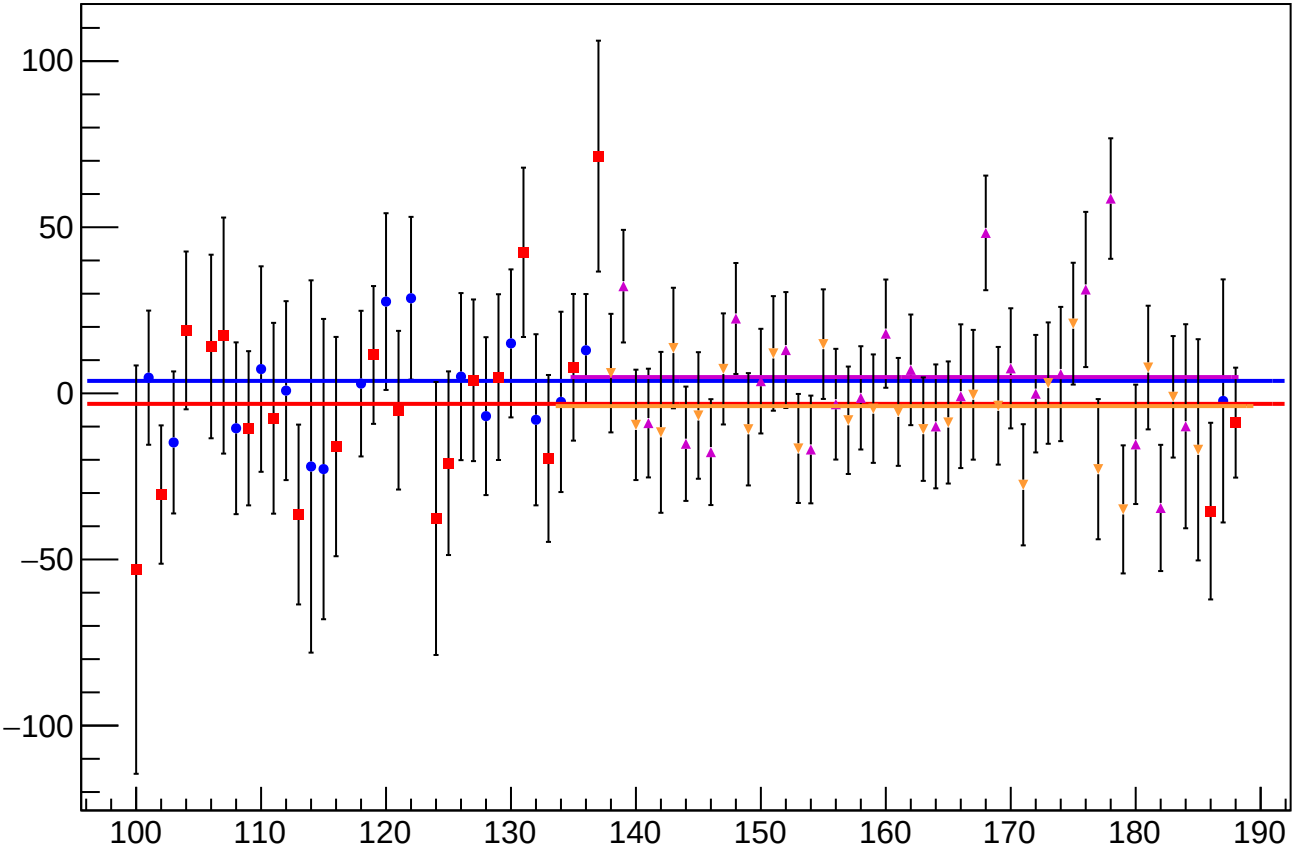
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 195.827+/-0.028 χ^2/NDF: 2931850.3/41

All: 186.472+/-0.019 χ^2/NDF: 6882314.8/85

- sign 178.574+/-0.026 χ^2/NDF: 3743203.1/43

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.752+/-6.086 χ^2/NDF: 4.5/16

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

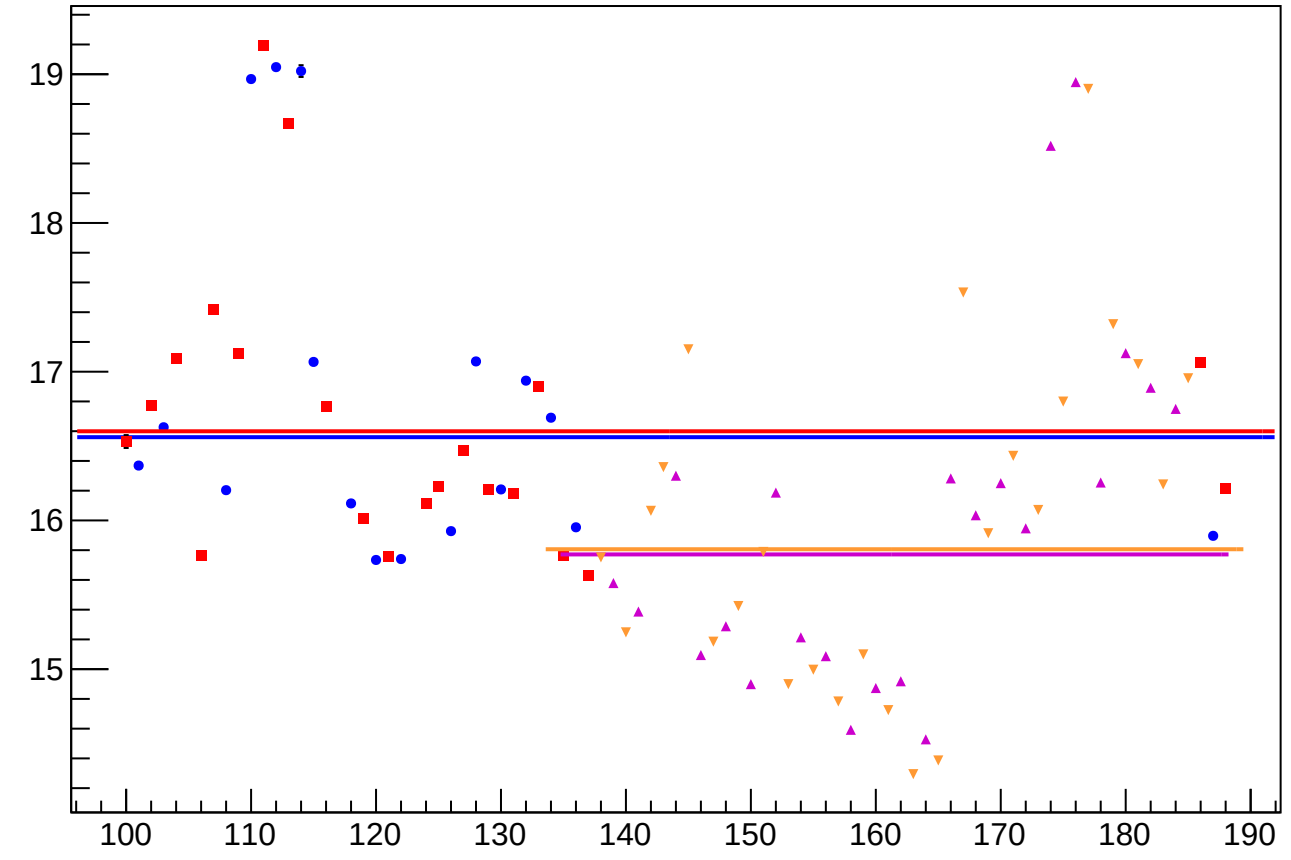
Right Out: -3.161+/-5.577 χ^2/NDF: 17.7/20

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign -1.866+/-3.100 χ^2/NDF: 18.5/41

All: 0.302+/-2.185 χ^2/NDF: 72.5/85

- sign 2.443+/-3.081 χ^2/NDF: 53.0/43



Right In: 16.560+/-0.004 χ^2/NDF: 45251.7/16

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

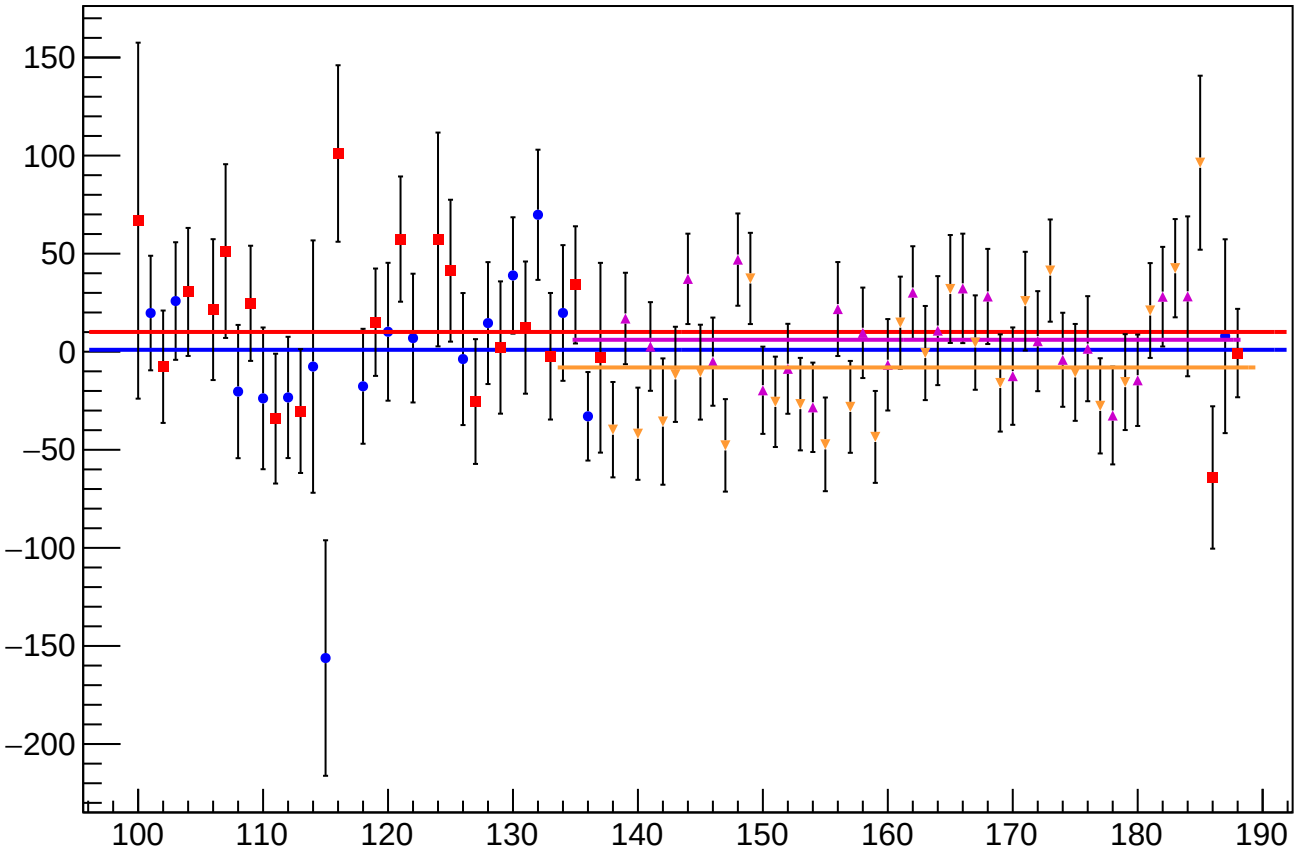
Right Out: 16.599+/-0.004 χ^2/NDF: 45194.9/20

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

+ sign 16.002+/-0.002 χ^2/NDF: 240603.0/41

All: 16.013+/-0.002 χ^2/NDF: 468615.6/85

- sign 16.024+/-0.002 χ^2/NDF: 227961.1/43



Right In: 0.977+/-8.017 χ^2/NDF: 18.7/16

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 10.079+/-7.345 χ^2/NDF: 20.2/20

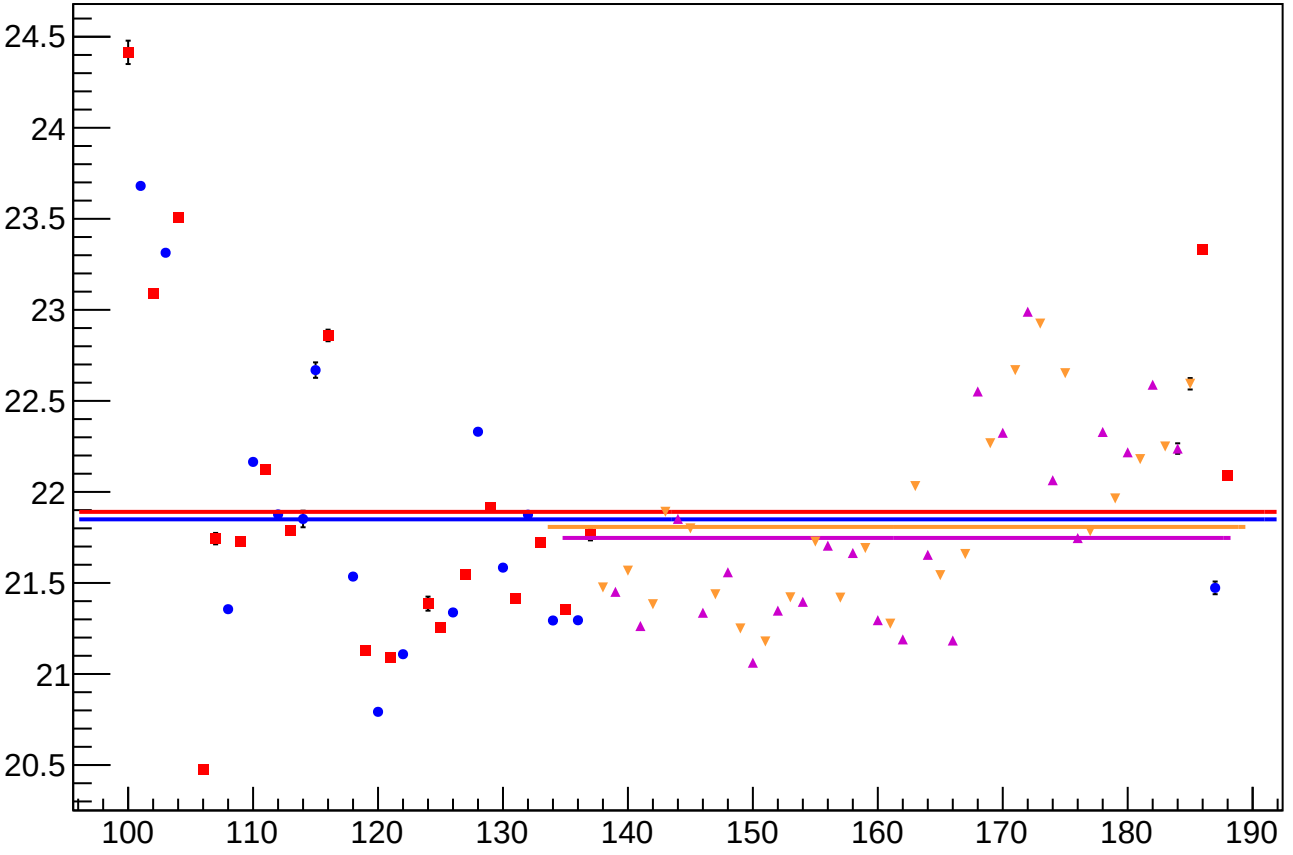
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -5.529+/-4.216 χ^2/NDF: 58.4/41

All: 0.982+/-2.967 χ^2/NDF: 101.4/85

- sign 7.378+/-4.178 χ^2/NDF: 38.3/43

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.849+/-0.006 χ^2/NDF: 19587.3/16

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

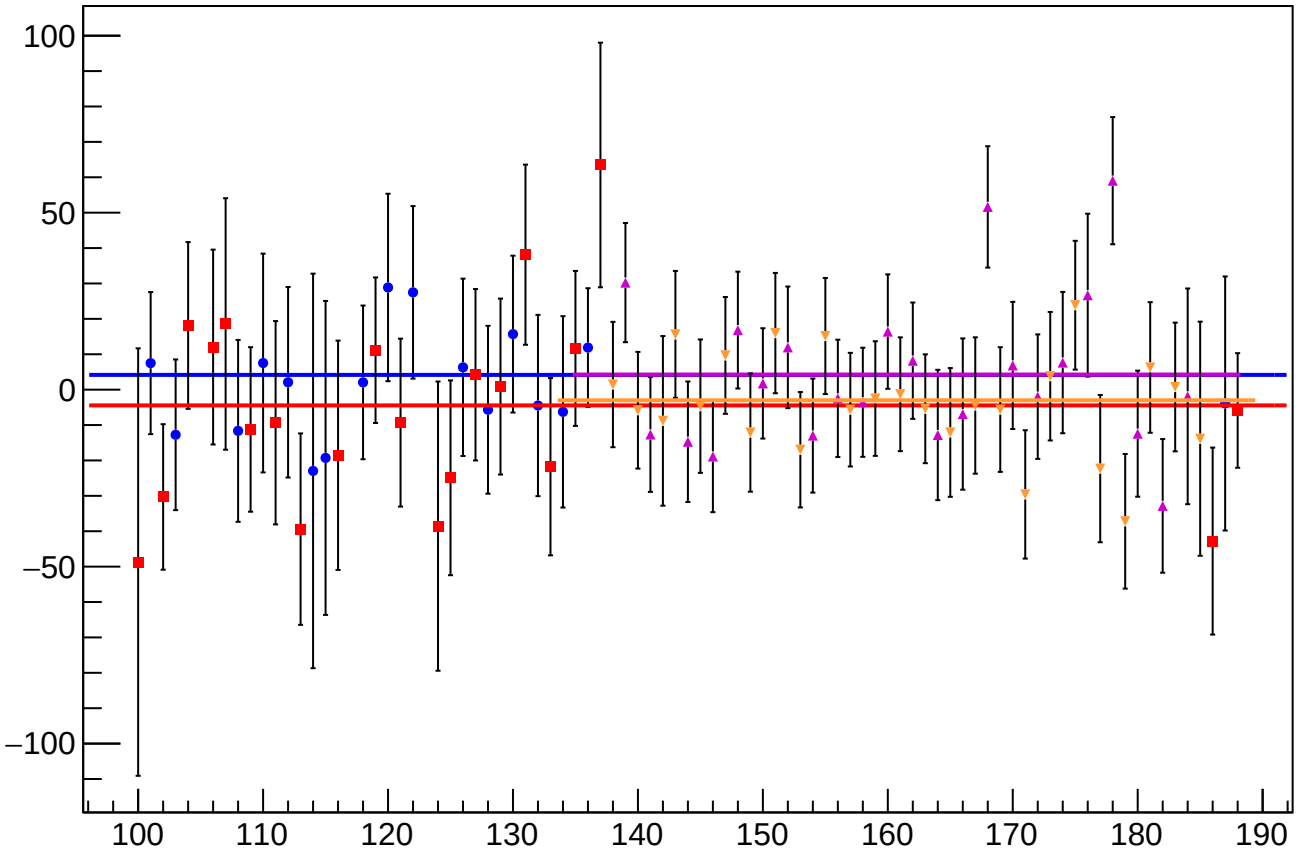
Right Out: 21.890+/-0.005 χ^2/NDF: 22452.5/20

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.819+/-0.003 χ^2/NDF: 37187.4/41

All: 21.806+/-0.002 χ^2/NDF: 80752.2/85

- sign 21.794+/-0.003 χ^2/NDF: 43527.6/43



Right In: 4.168+/-6.049 χ^2/NDF: 4.3/16

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

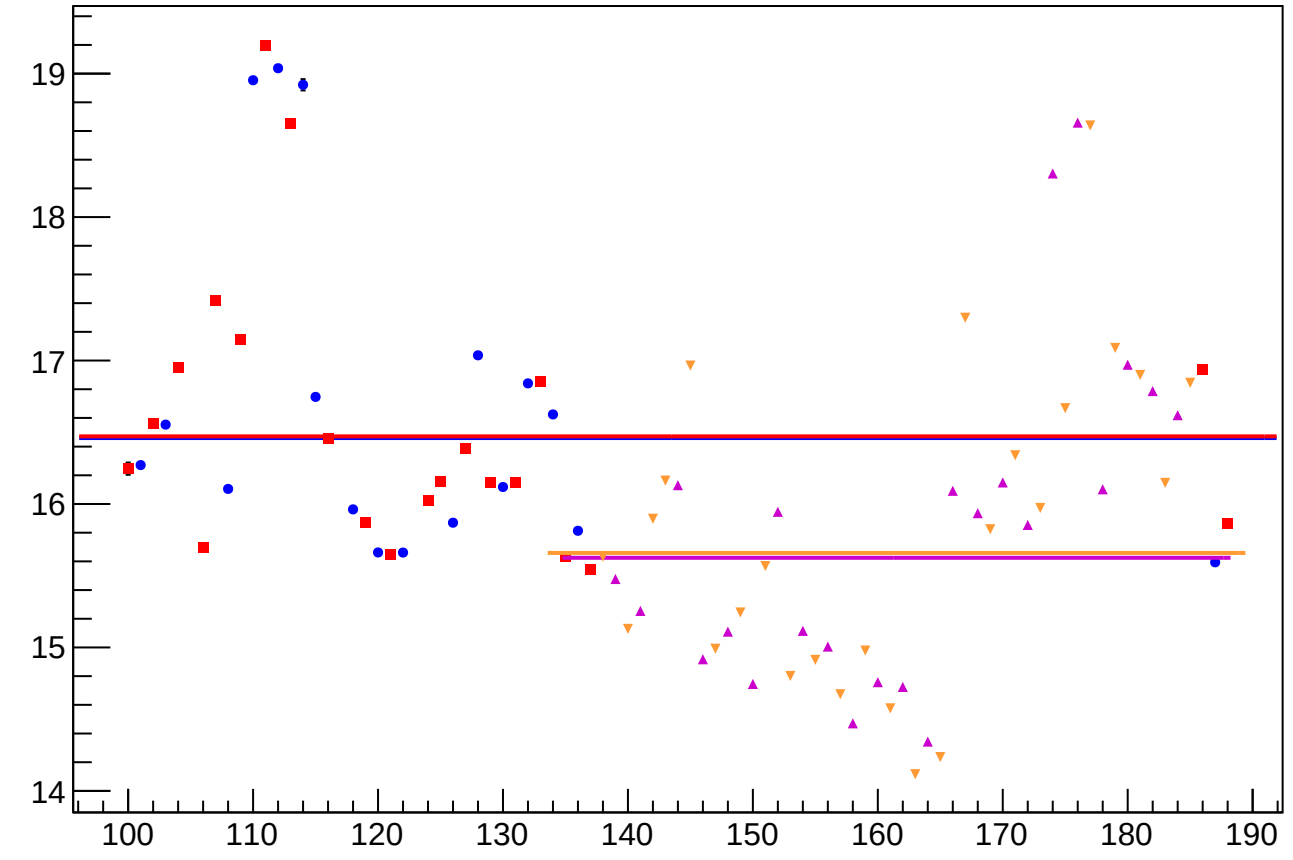
Right Out: -4.449+/-5.535 χ^2/NDF: 17.6/20

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign -1.151+/-3.074 χ^2/NDF: 20.0/41

All: 0.235+/-2.166 χ^2/NDF: 73.6/85

- sign 1.602+/-3.053 χ^2/NDF: 53.2/43



Right In: 16.460+/-0.004 χ^2/NDF: 48385.1/16

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

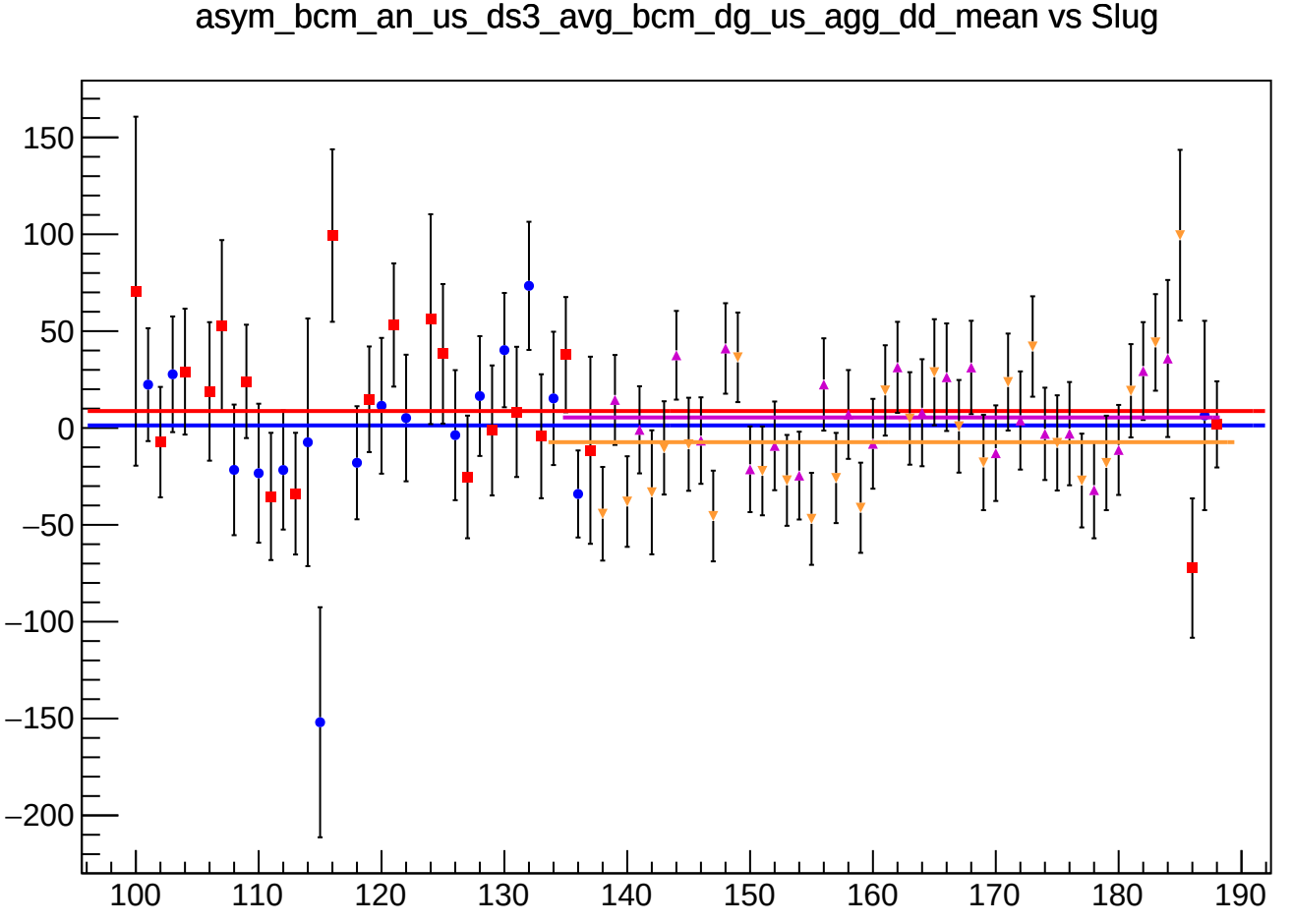
Right Out: 16.471+/-0.004 χ^2/NDF: 50098.7/20

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

+ sign 15.866+/-0.002 χ^2/NDF: 244226.6/41

All: 15.874+/-0.002 χ^2/NDF: 477317.5/85

- sign 15.883+/-0.002 χ^2/NDF: 233060.5/43



Right In: 1.325+/-7.979 χ^2/NDF: 19.4/16

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

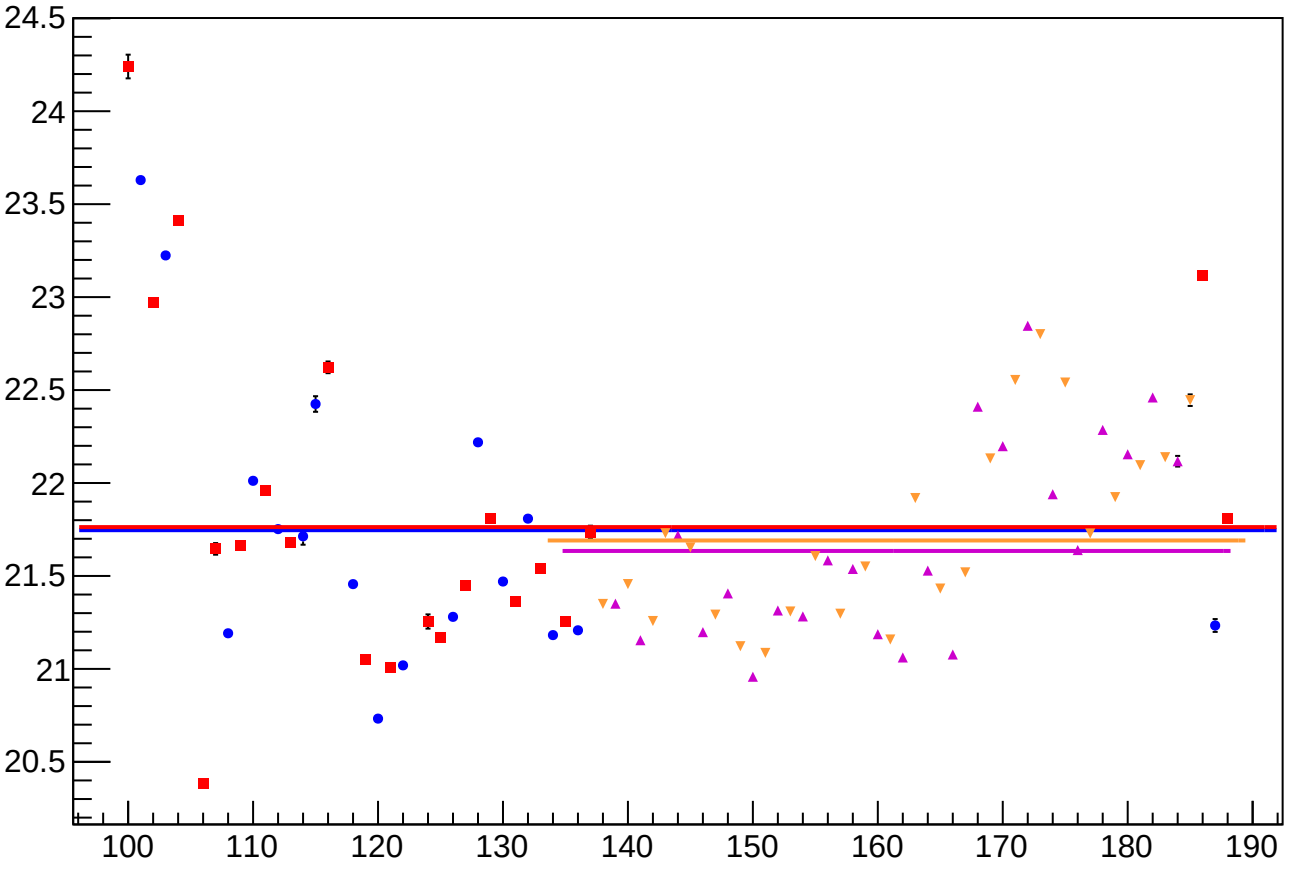
Right Out: 8.751+/-7.302 χ^2/NDF: 21.5/20

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

\+ sign -4.931+/-4.194 χ^2/NDF: 58.9/41

All: 0.841+/-2.952 χ^2/NDF: 101.5/85

\- sign 6.509+/-4.155 χ^2/NDF: 38.9/43



Right In: 21.746+/-0.006 χ^2/NDF: 19971.8/16

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.763+/-0.005 χ^2/NDF: 21331.3/20

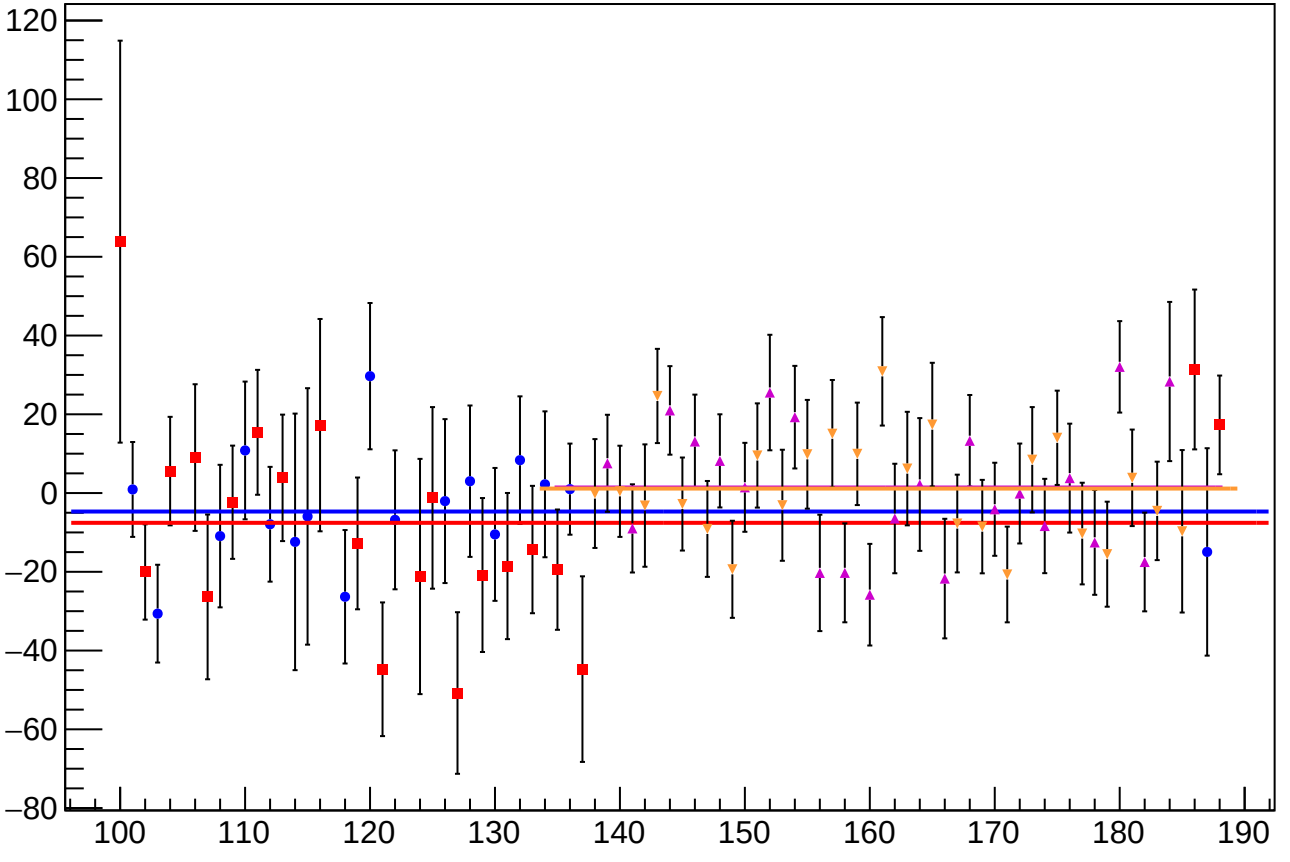
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.706+/-0.003 χ^2/NDF: 37976.4/41

All: 21.691+/-0.002 χ^2/NDF: 80338.4/85

- sign 21.676+/-0.003 χ^2/NDF: 42309.9/43

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.692+/-4.081 χ^2/NDF: 12.1/16

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

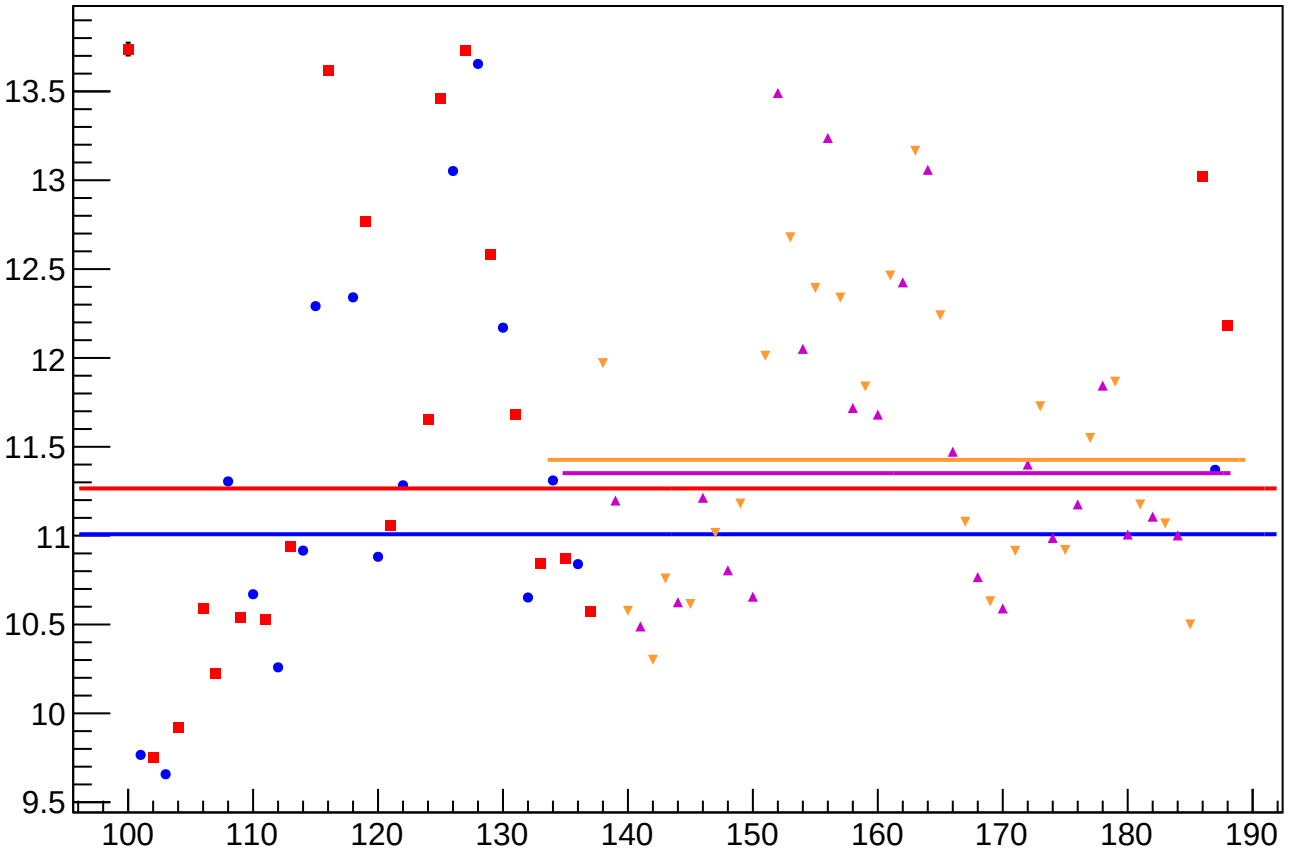
Right Out: -7.561+/-3.825 χ^2/NDF: 30.4/20

Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.564+/-2.205 χ^2/NDF: 38.1/41

All: -1.054+/-1.554 χ^2/NDF: 108.7/85

- sign -1.537+/-2.191 χ^2/NDF: 70.4/43



Right In: 11.008+/-0.003 χ^2/NDF: 136547.5/16

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

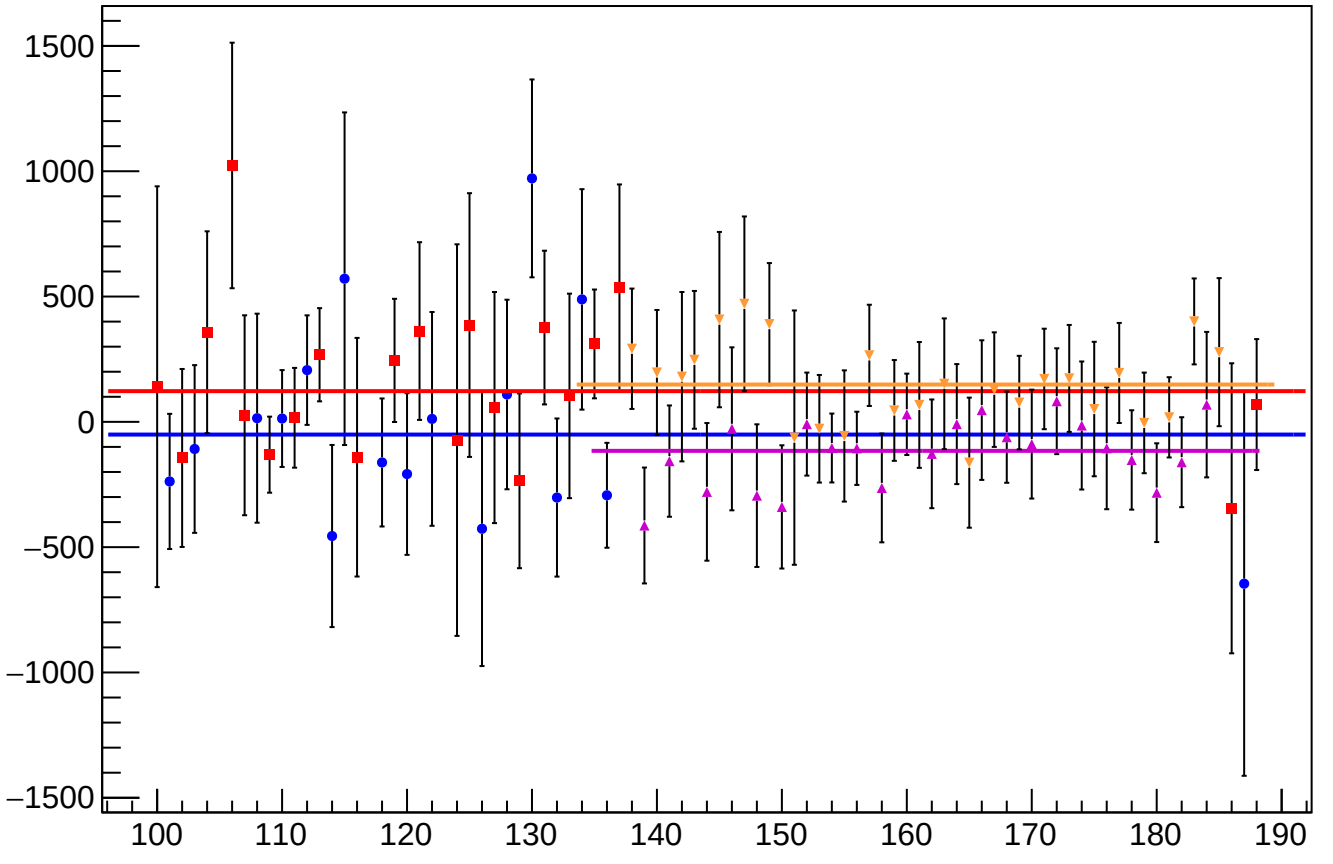
Right Out: 11.266+/-0.003 χ^2/NDF: 192043.7/20

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.304+/-0.002 χ^2/NDF: 308417.5/41

All: 11.314+/-0.001 χ^2/NDF: 671780.7/85

- sign 11.323+/-0.002 χ^2/NDF: 363287.5/43



Right In: -50.711+/-76.047 χ^2/NDF: 16.0/16

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

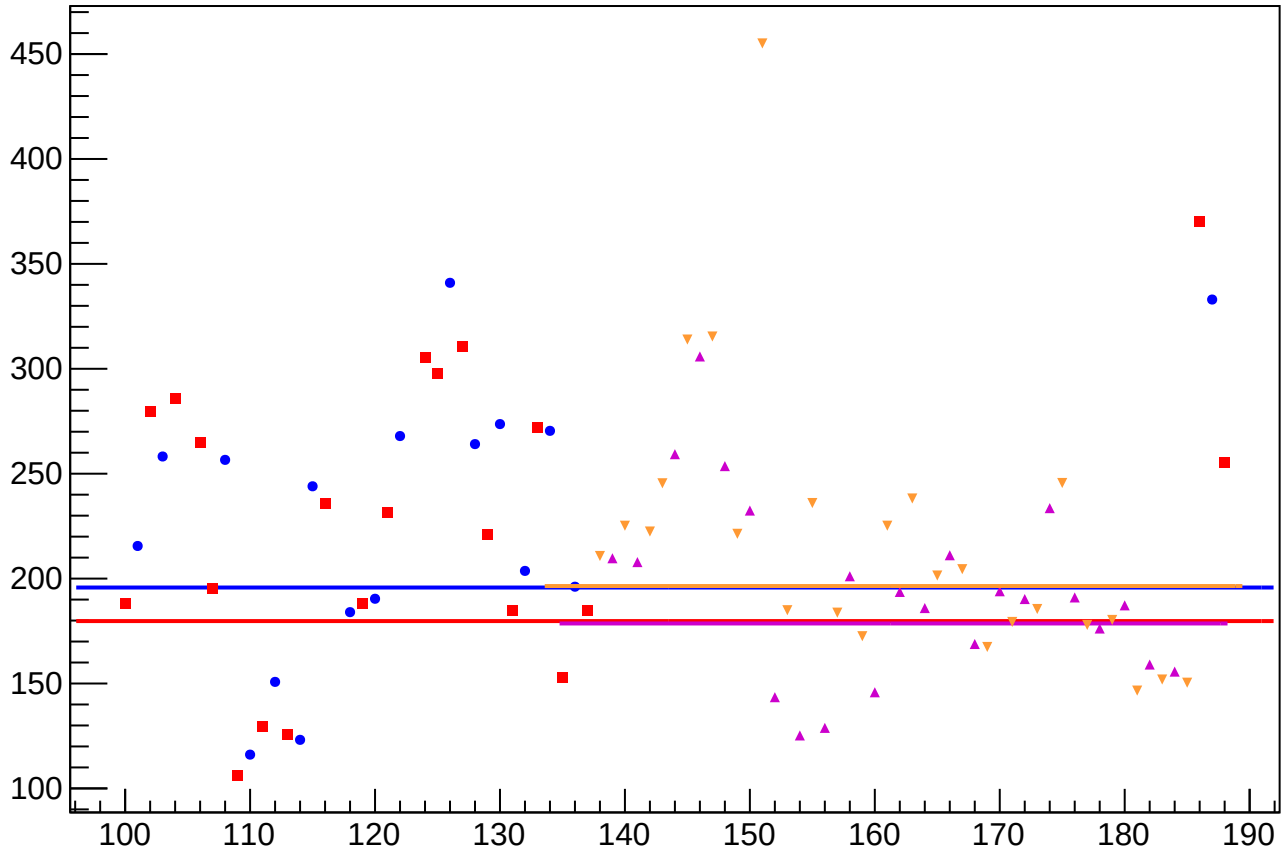
Right Out: 122.563+/-65.625 χ^2/NDF: 13.6/20

Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 94.911+/-39.551 χ^2/NDF: 31.5/41

All: 20.320+/-26.759 χ^2/NDF: 68.6/85

- sign -42.648+/-36.339 χ^2/NDF: 30.5/43



Right In: 195.749+/-0.054 χ^2/NDF: 1106782.1/16

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 179.755+/-0.046 χ^2/NDF: 2060807.7/20

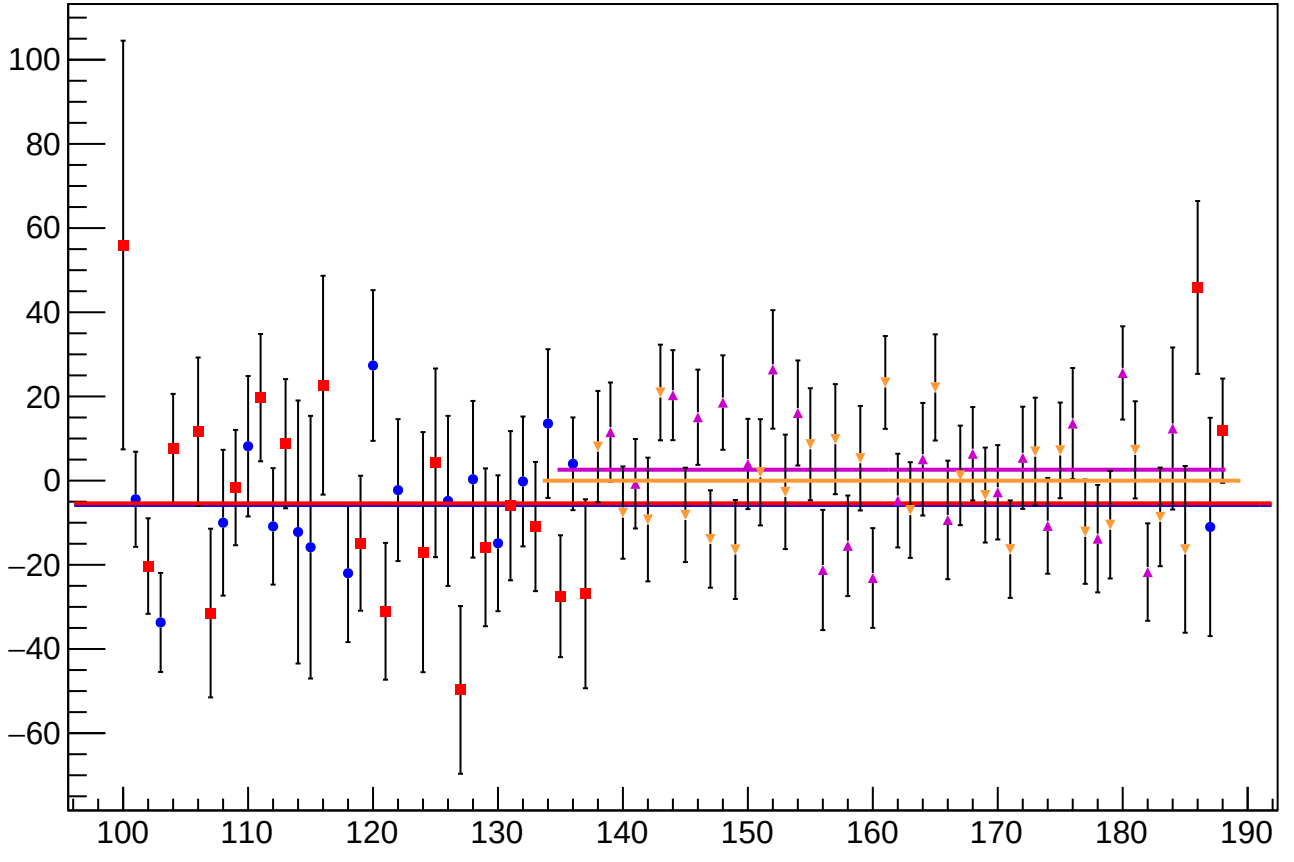
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 196.264+/-0.028 χ^2/NDF: 2925653.6/41

All: 186.883+/-0.019 χ^2/NDF: 6873231.6/85

- sign 178.964+/-0.026 χ^2/NDF: 3740086.6/43

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.778+/-3.894 χ^2/NDF: 13.7/16

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -5.396+/-3.661 χ^2/NDF: 31.8/20

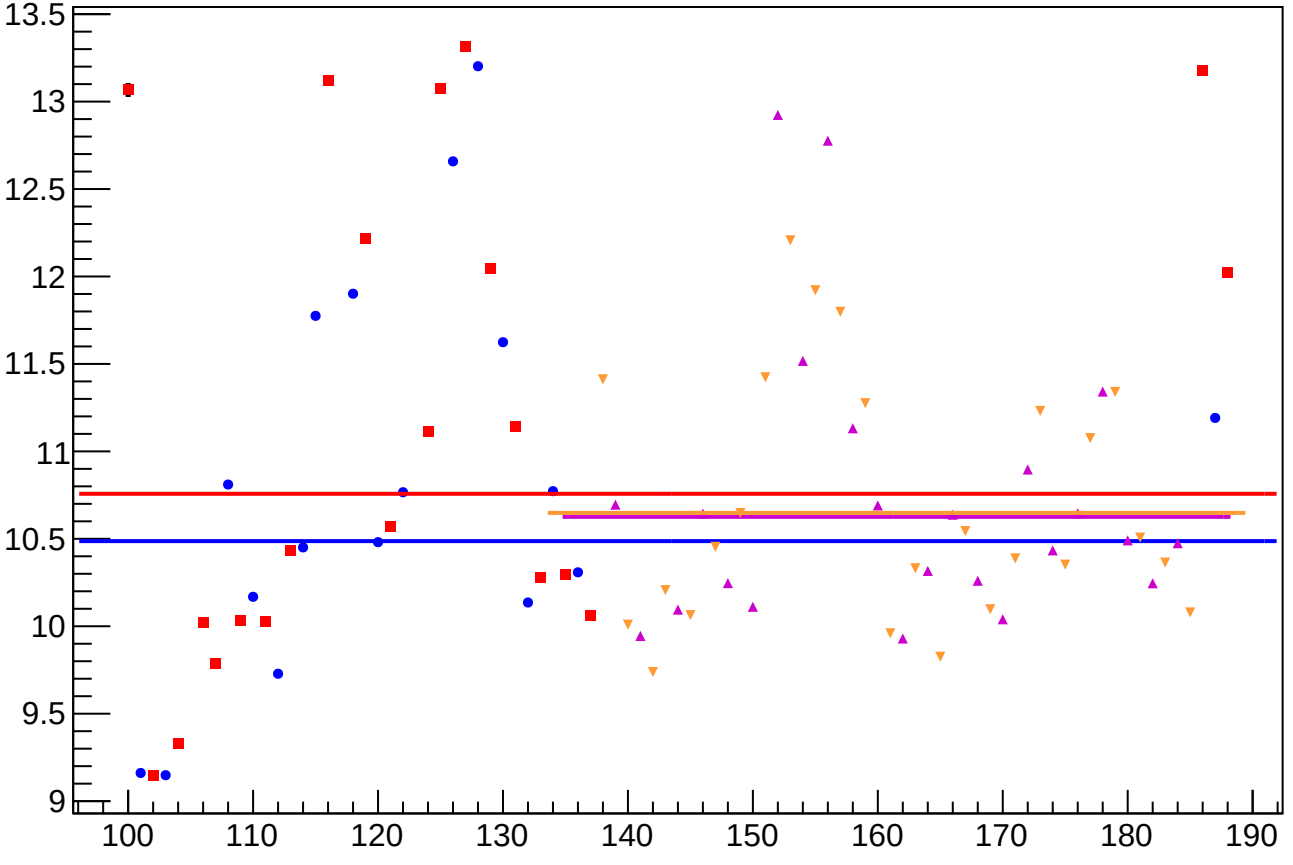
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.646+/-2.071 χ^2/NDF: 39.0/41

All: -0.800+/-1.463 χ^2/NDF: 109.2/85

- sign 0.043+/-2.068 χ^2/NDF: 69.8/43

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.487+/-0.003 χ^2/NDF: 158875.2/16

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

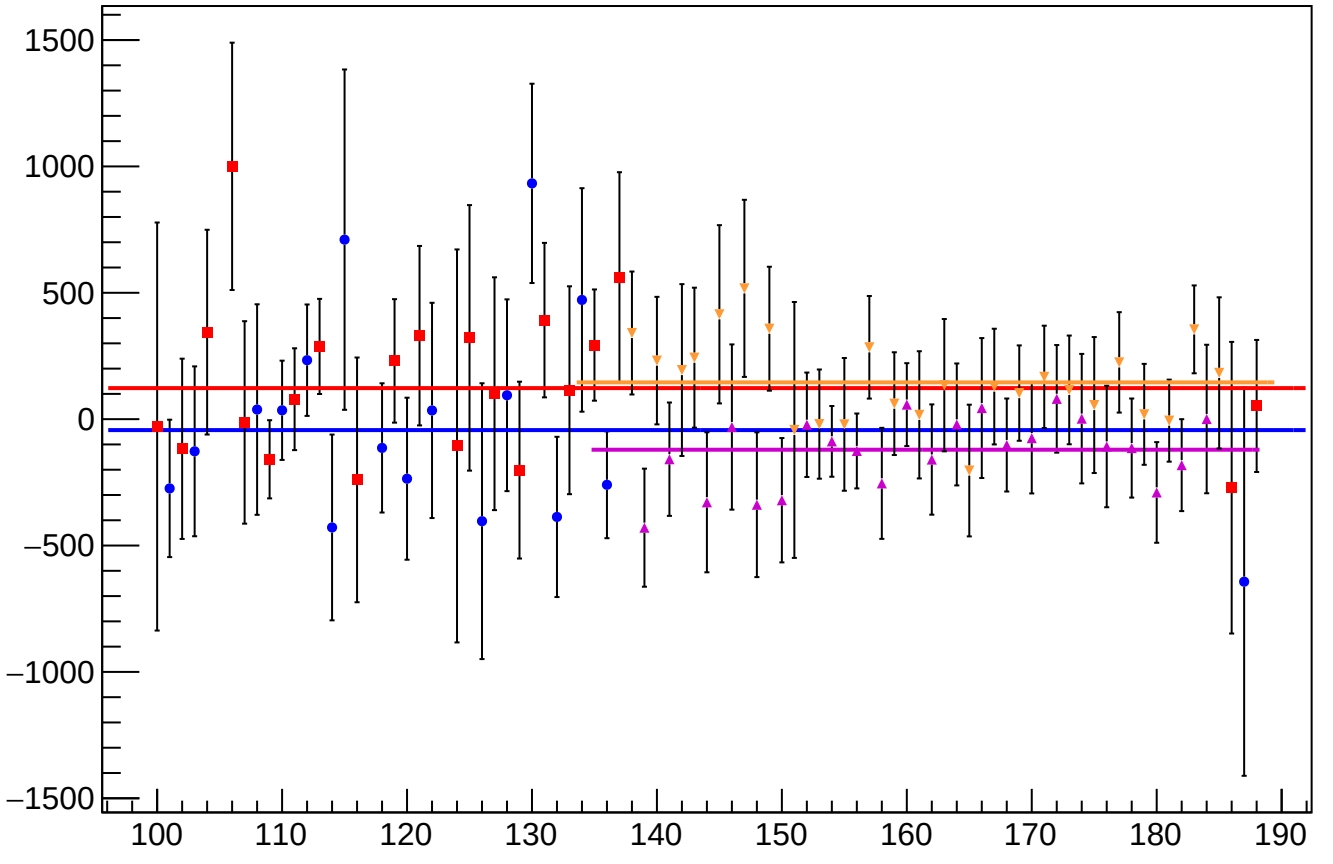
Right Out: 10.757+/-0.003 χ^2/NDF: 241472.0/20

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.603+/-0.001 χ^2/NDF: 304875.4/41

All: 10.635+/-0.001 χ^2/NDF: 708645.1/85

- sign 10.668+/-0.001 χ^2/NDF: 402780.3/43



Right In: -43.259+/-76.532 χ^2/NDF: 16.3/16

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

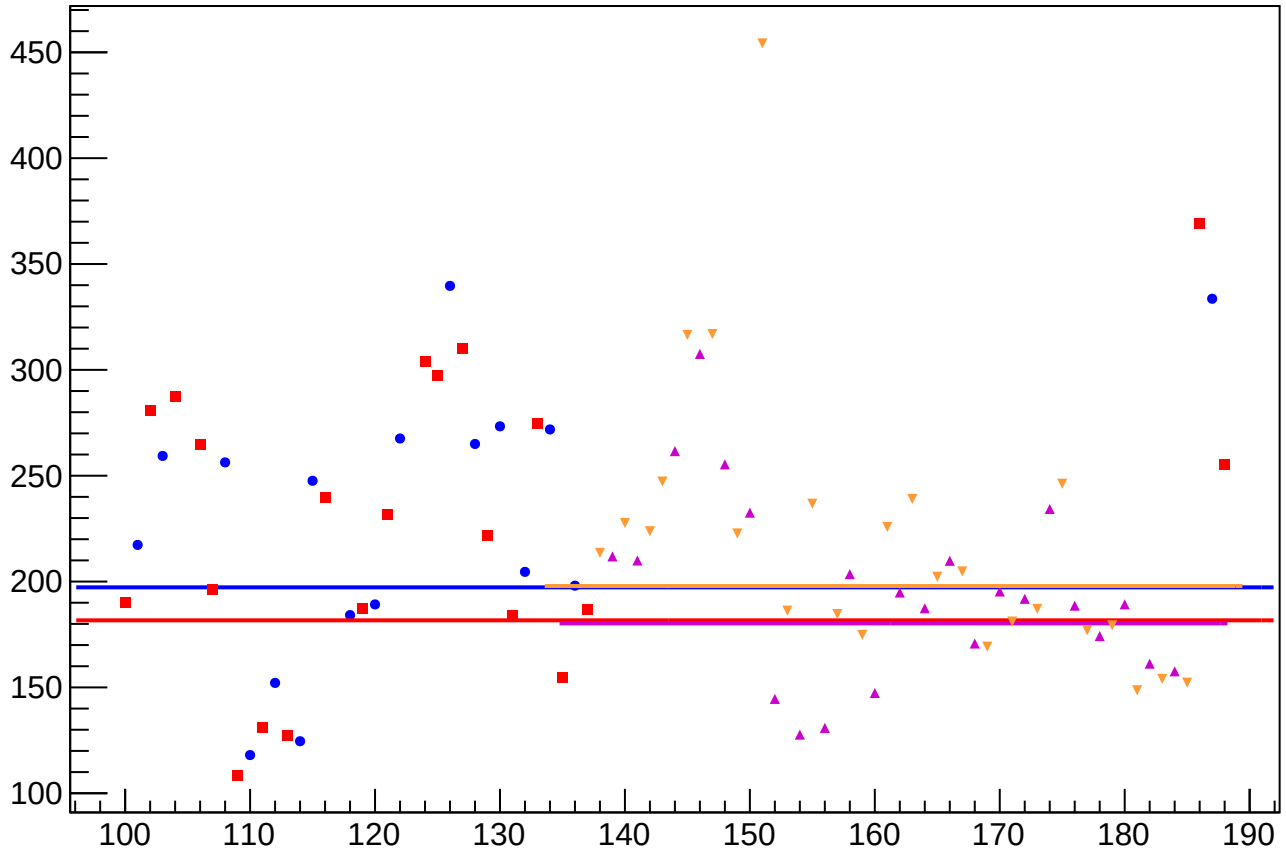
Right Out: 122.857+/-66.169 χ^2/NDF: 13.5/20

Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 94.457+/-39.810 χ^2/NDF: 31.0/41

All: 18.315+/-26.958 χ^2/NDF: 68.8/85

- sign -46.168+/-36.636 χ^2/NDF: 31.1/43



Right In: 197.267+/-0.054 χ^2/NDF: 1074678.7/16

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

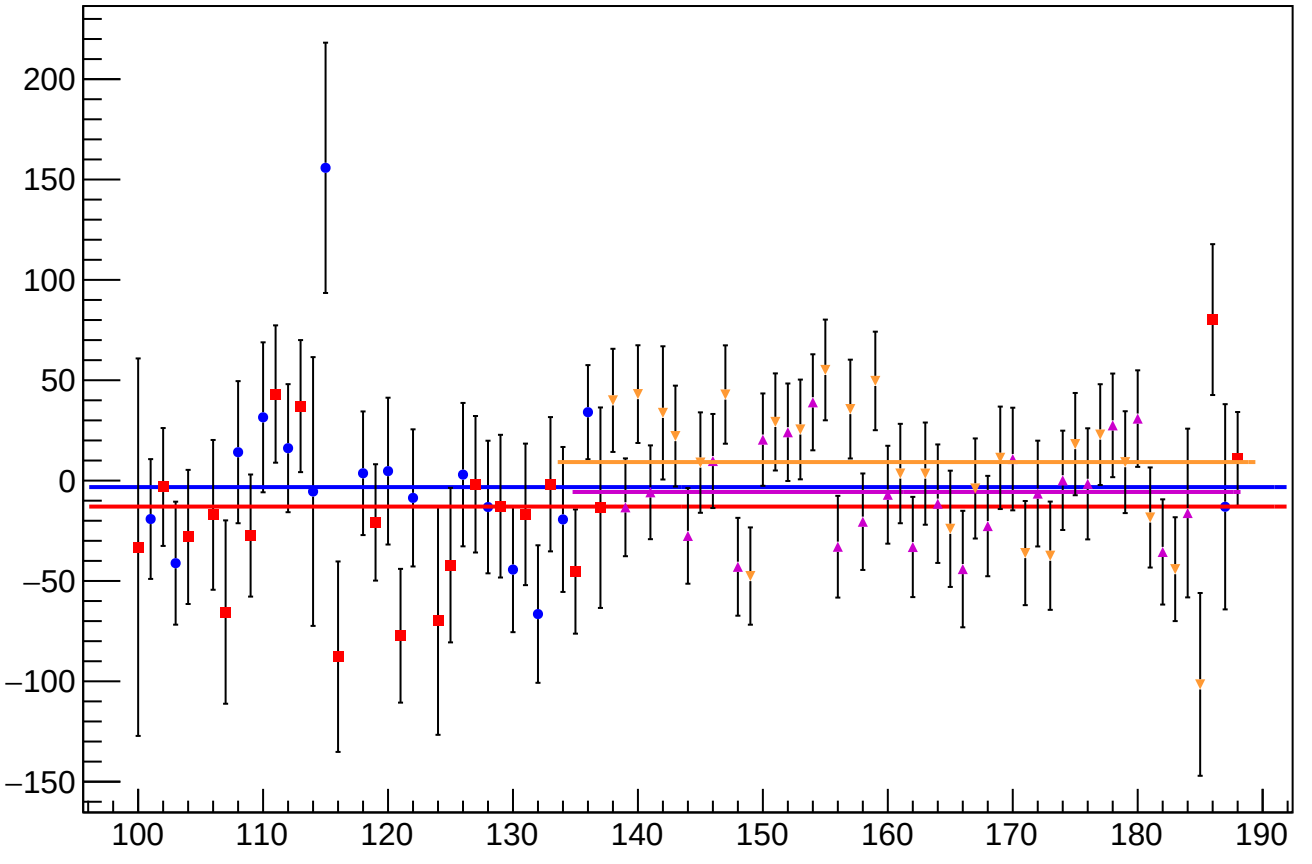
Right Out: 181.687+/-0.047 χ^2/NDF: 1994430.0/20

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 197.722+/-0.028 χ^2/NDF: 2863624.6/41

All: 188.499+/-0.019 χ^2/NDF: 6684718.4/85

- sign 180.689+/-0.026 χ^2/NDF: 3622862.6/43



Right In: -3.236+/-8.341 χ^2/NDF: 18.0/16

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -12.941+/-7.652 χ^2/NDF: 23.3/20

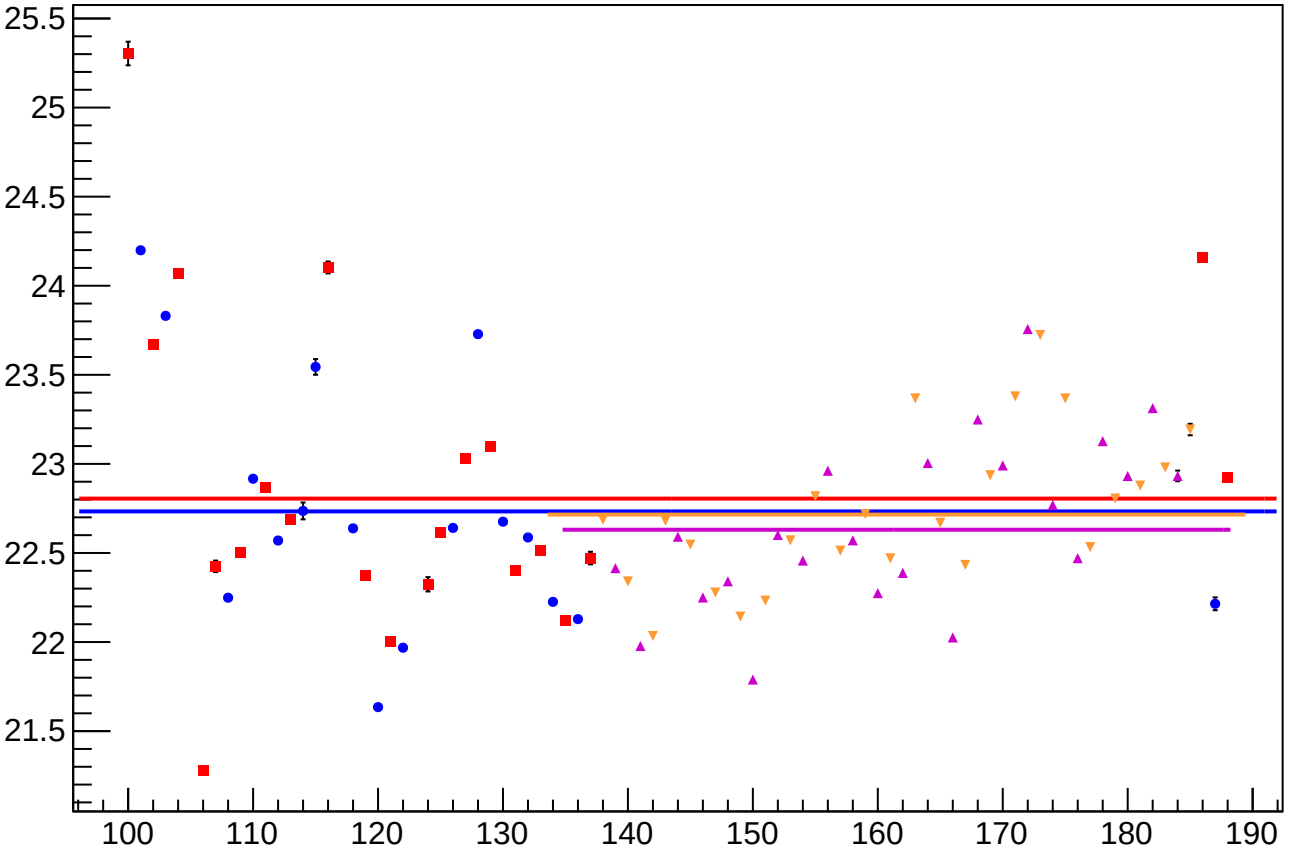
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 5.781+/-4.390 χ^2/NDF: 59.0/41

All: -1.182+/-3.090 χ^2/NDF: 108.7/85

- sign -8.018+/-4.349 χ^2/NDF: 44.7/43

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.733+/-0.006 χ^2/NDF: 14834.2/16

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

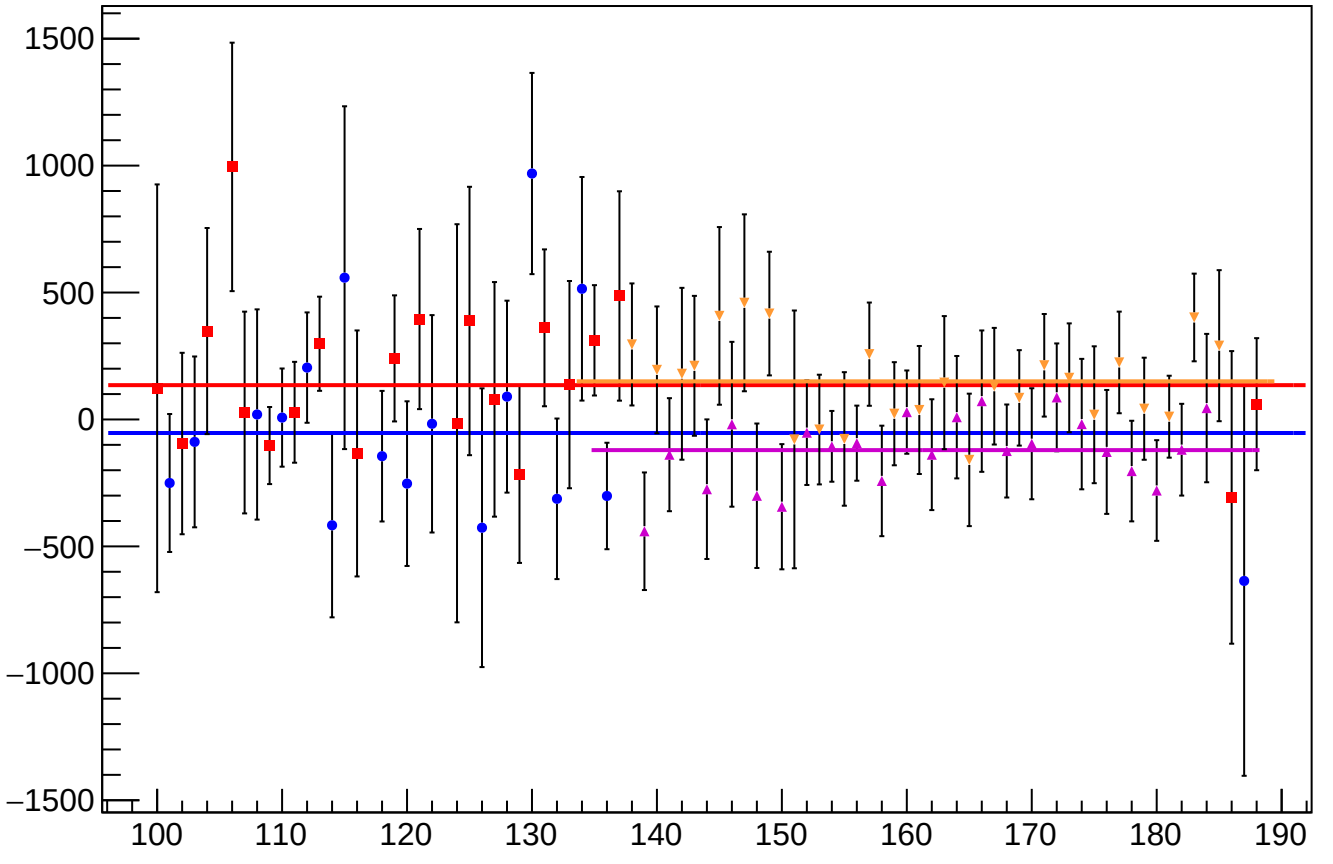
Right Out: 22.805+/-0.005 χ^2/NDF: 17331.0/20

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.720+/-0.003 χ^2/NDF: 27022.2/41

All: 22.704+/-0.002 χ^2/NDF: 60508.6/85

- sign 22.687+/-0.003 χ^2/NDF: 33427.9/43



Right In: -53.321+/-76.193 χ^2/NDF: 16.0/16

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

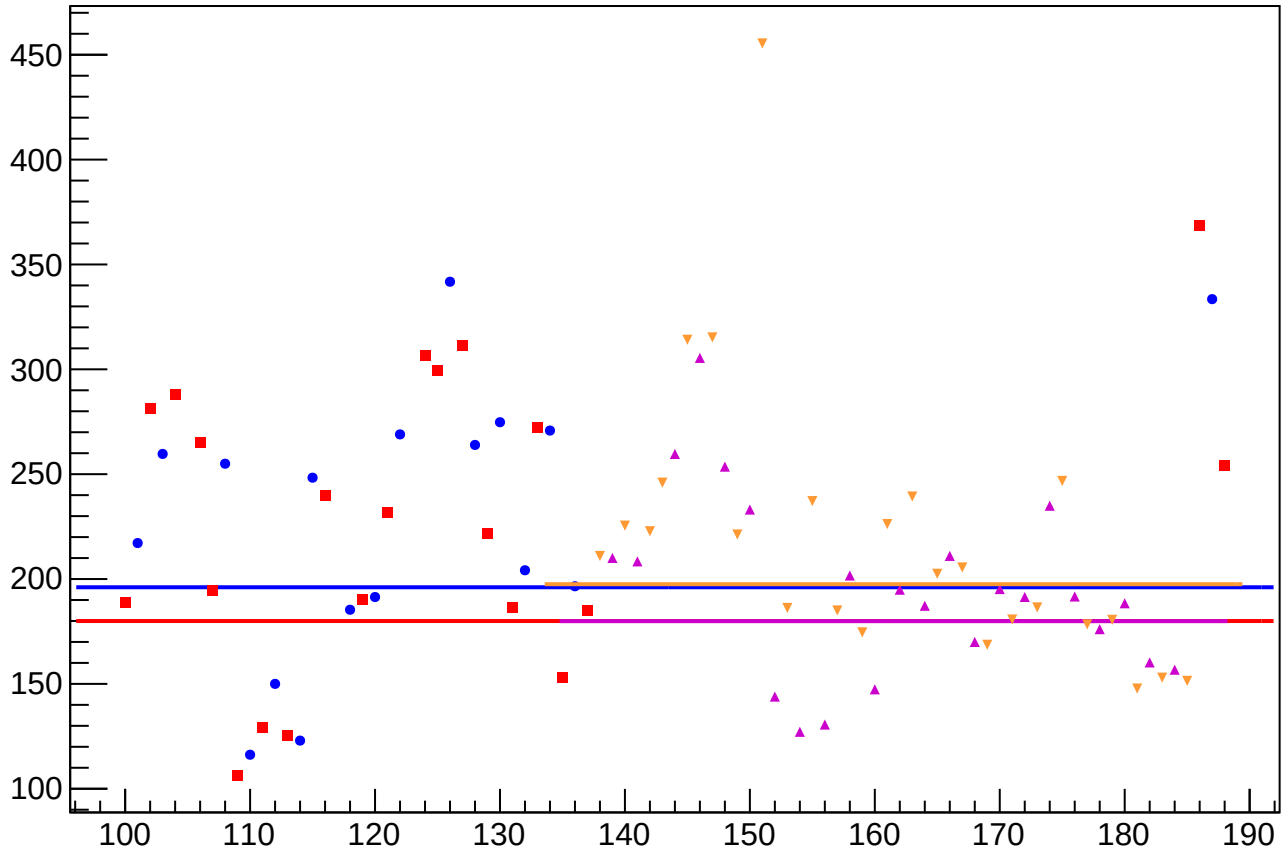
Right Out: 135.158+/-65.718 χ^2/NDF: 12.3/20

Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

\+ sign 94.921+/-39.714 χ^2/NDF: 32.1/41

All: 20.864+/-26.880 χ^2/NDF: 69.2/85

\- sign -41.747+/-36.516 χ^2/NDF: 30.6/43



Right In: 196.075+/-0.054 χ^2/NDF: 1116996.8/16

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

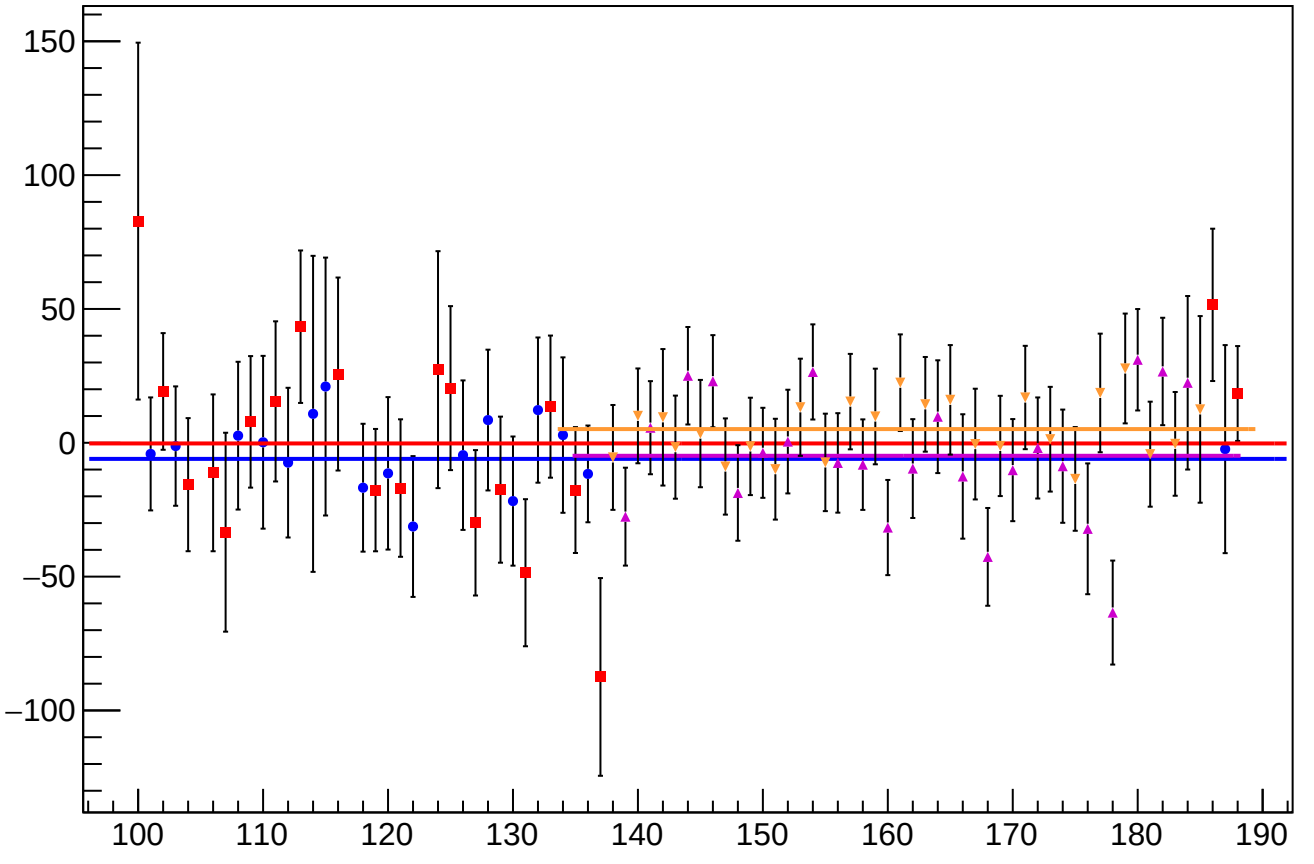
Right Out: 179.971+/-0.046 χ^2/NDF: 2073970.6/20

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 197.138+/-0.028 χ^2/NDF: 2907422.0/41

All: 187.818+/-0.019 χ^2/NDF: 6808809.5/85

- sign 179.938+/-0.026 χ^2/NDF: 3698115.6/43



Right In: -6.014+/-6.500 χ^2/NDF: 3.1/16

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: -0.244+/-5.974 χ^2/NDF: 24.3/20

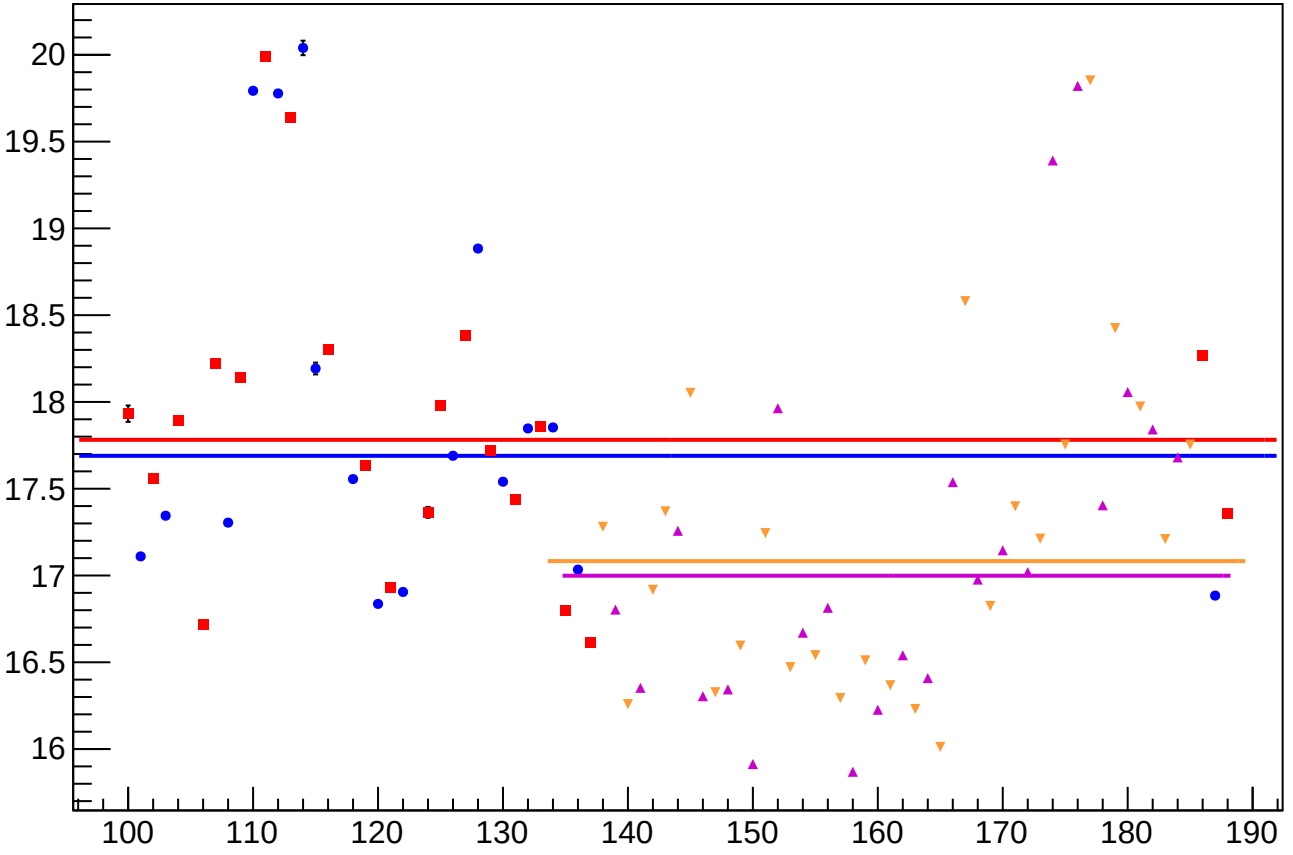
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 2.183+/-3.338 χ^2/NDF: 13.2/41

All: -0.650+/-2.351 χ^2/NDF: 74.8/85

- sign -3.439+/-3.312 χ^2/NDF: 60.2/43

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.689+/-0.005 χ^2/NDF: 36866.9/16

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

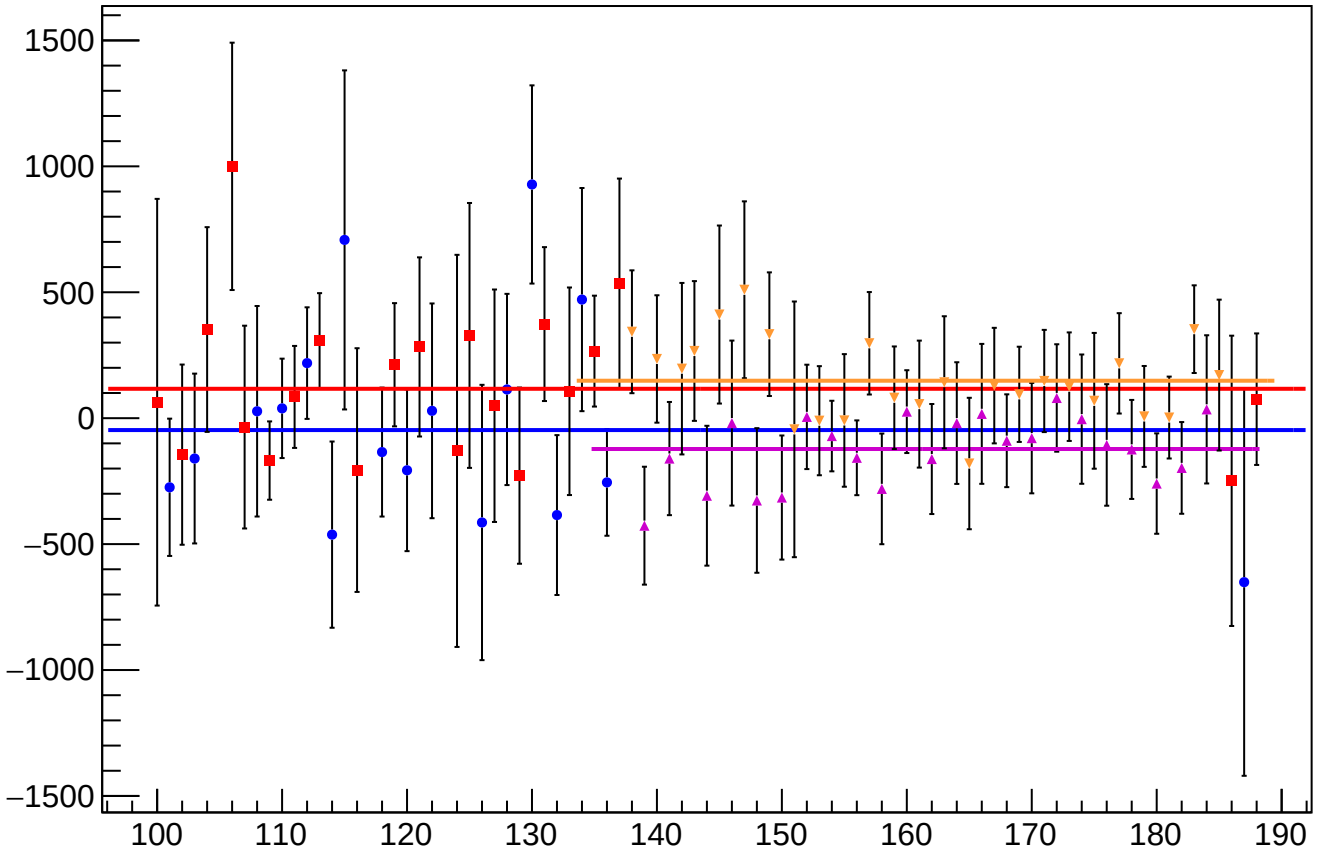
Right Out: 17.782+/-0.004 χ^2/NDF: 34487.3/20

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.243+/-0.002 χ^2/NDF: 146467.4/41

All: 17.241+/-0.002 χ^2/NDF: 308775.0/85

- sign 17.239+/-0.002 χ^2/NDF: 162306.6/43



Right In: -47.191+/-76.754 χ^2/NDF: 16.2/16

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 116.728+/-66.364 χ^2/NDF: 13.3/20

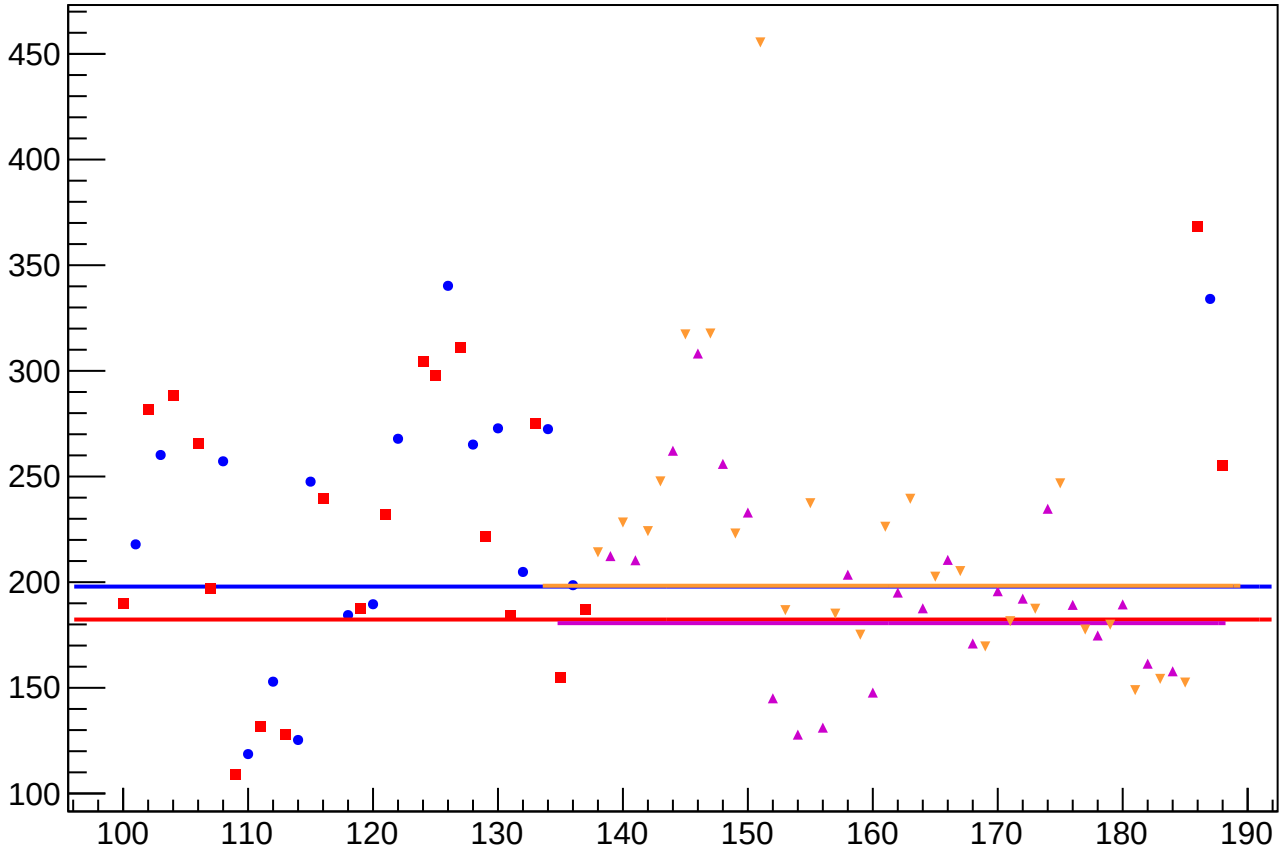
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 95.794+/-39.904 χ^2/NDF: 30.5/41

All: 17.291+/-27.020 χ^2/NDF: 67.9/85

- sign -49.178+/-36.719 χ^2/NDF: 30.2/43

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 197.912+/-0.054 χ^2/NDF: 1064086.6/16

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

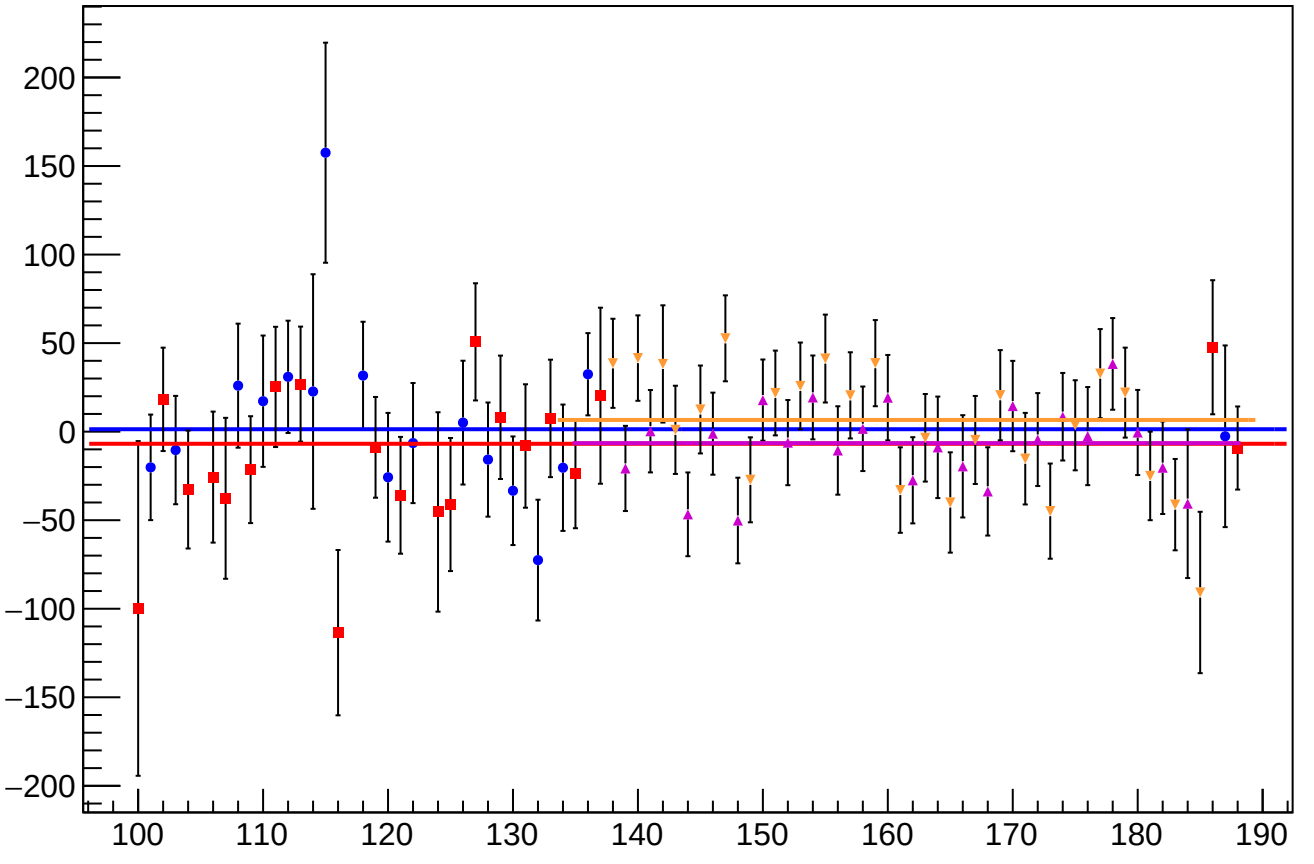
Right Out: 182.318+/-0.047 χ^2/NDF: 1978399.6/20

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 198.205+/-0.028 χ^2/NDF: 2854405.8/41

All: 188.957+/-0.019 χ^2/NDF: 6660170.9/85

- sign 181.127+/-0.026 χ^2/NDF: 3607400.0/43



Right In: 1.369+/-8.261 χ^2/NDF: 18.7/16

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: -6.850+/-7.582 χ^2/NDF: 18.6/20

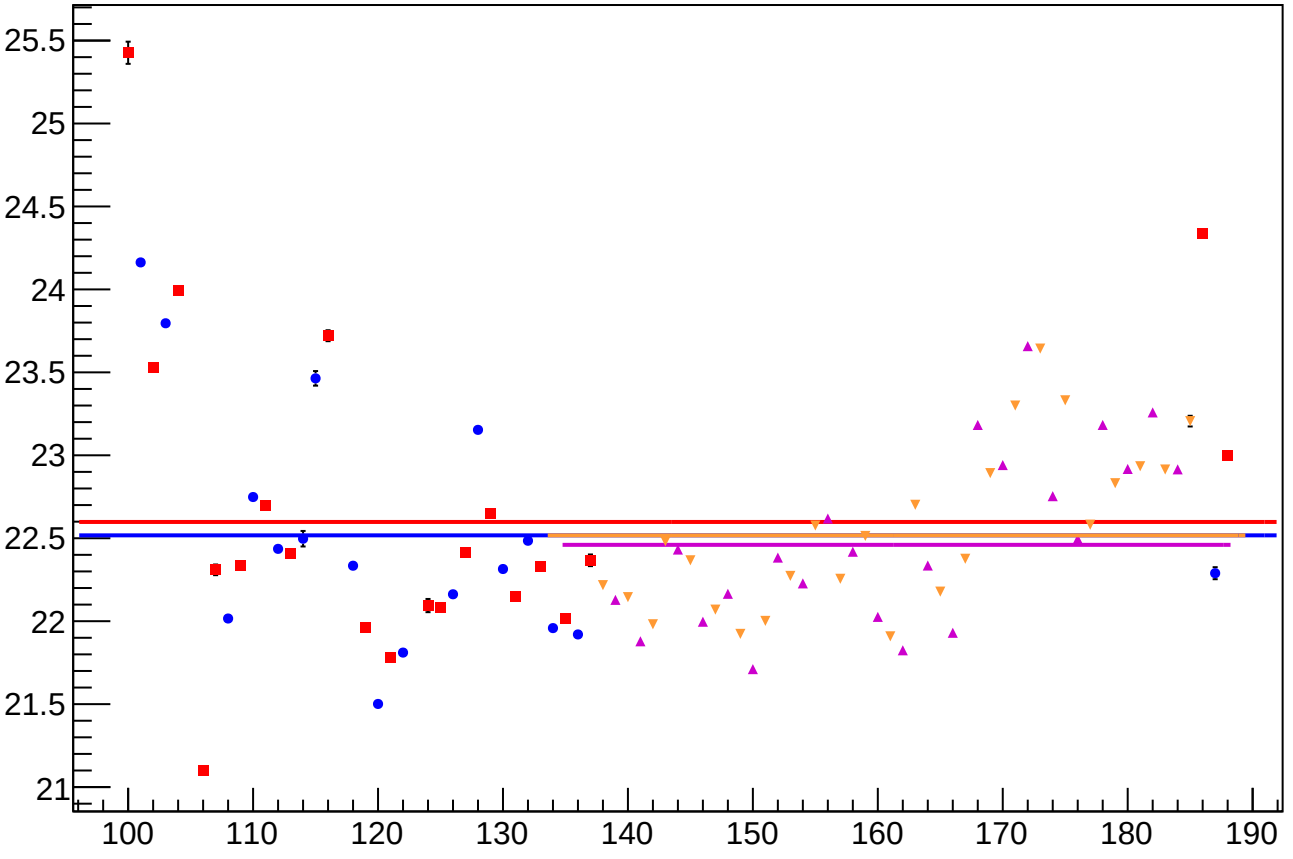
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 5.158+/-4.350 χ^2/NDF: 55.9/41

All: -0.770+/-3.063 χ^2/NDF: 95.6/85

- sign -6.601+/-4.314 χ^2/NDF: 36.1/43

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.517+/-0.006 χ^2/NDF: 15988.4/16

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

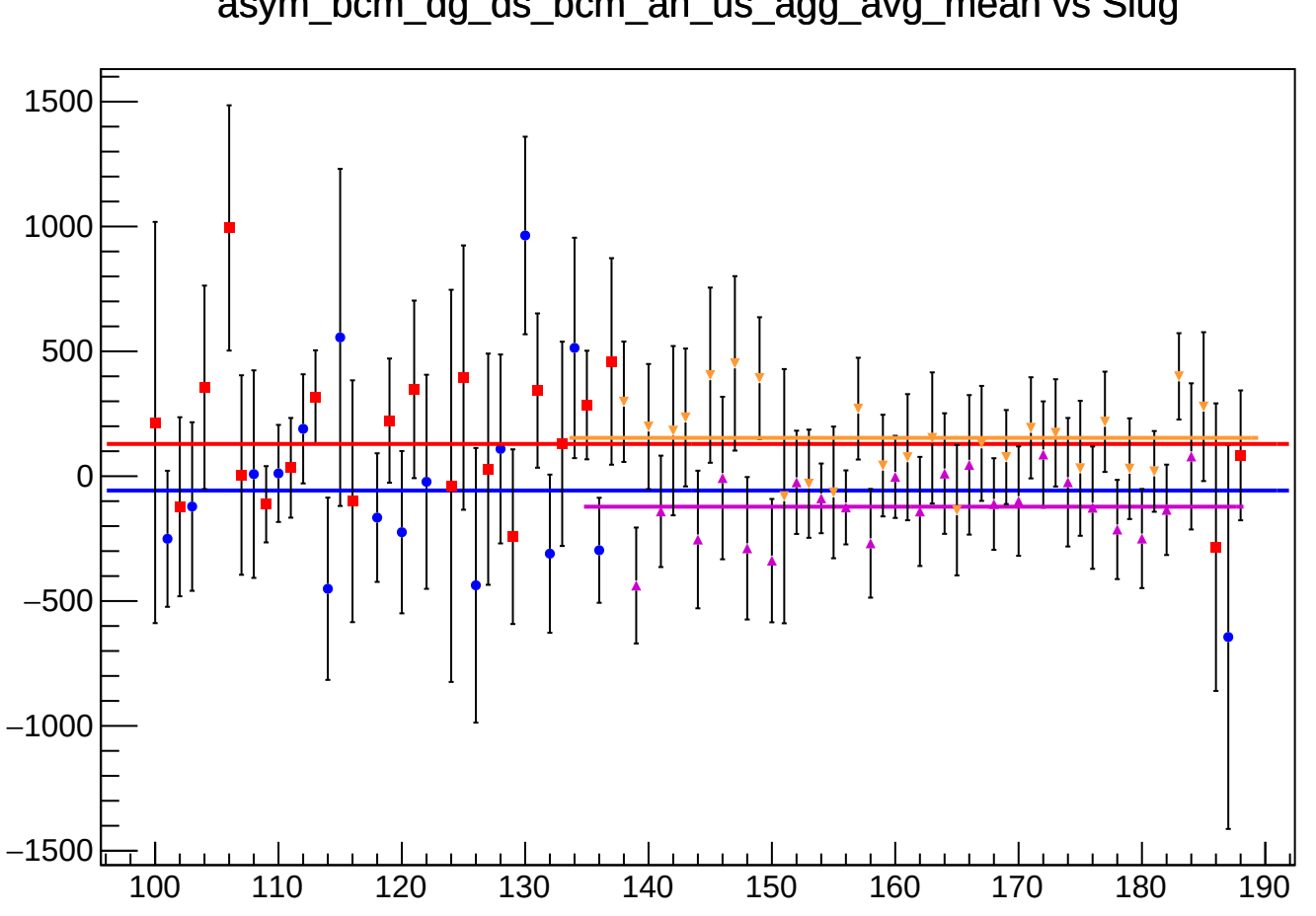
Right Out: 22.598+/-0.005 χ^2/NDF: 20943.0/20

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.517+/-0.003 χ^2/NDF: 31990.9/41

All: 22.511+/-0.002 χ^2/NDF: 72507.4/85

- sign 22.505+/-0.003 χ^2/NDF: 40508.1/43



Right In: -57.348+/-76.417 χ^2/NDF: 15.9/16

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

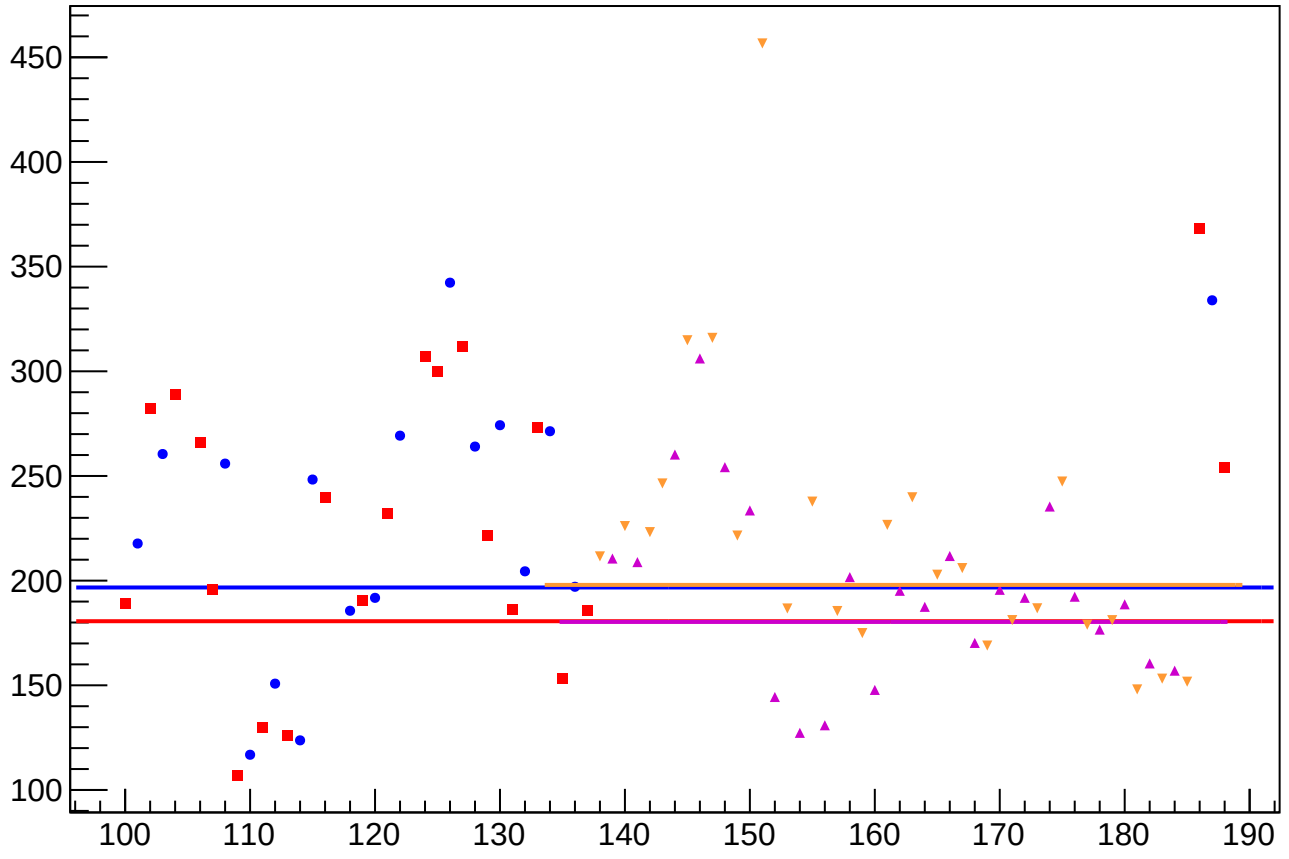
Right Out: 129.132+/-65.917 χ^2/NDF: 12.2/20

Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 96.287+/-39.808 χ^2/NDF: 31.5/41

All: 19.887+/-26.943 χ^2/NDF: 68.0/85

- sign -44.693+/-36.600 χ^2/NDF: 29.7/43



Right In: 196.730+/-0.054 χ^2/NDF: 1105776.3/16

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

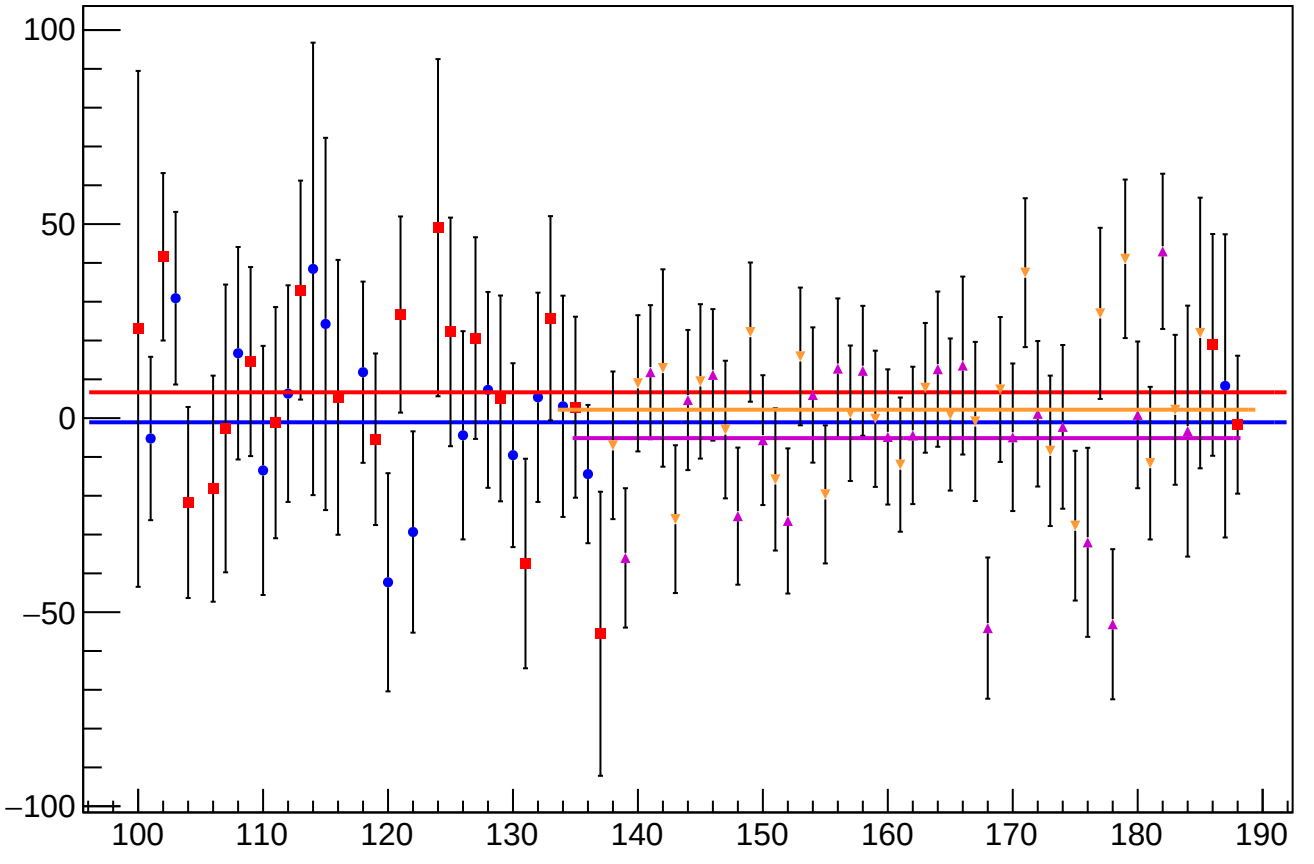
Right Out: 180.615+/-0.047 χ^2/NDF: 2057040.7/20

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 197.624+/-0.028 χ^2/NDF: 2897506.5/41

All: 188.279+/-0.019 χ^2/NDF: 6782659.5/85

- sign 180.379+/-0.026 χ^2/NDF: 3681760.4/43



Right In: -1.071+/-6.410 χ^2/NDF: 8.1/16

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 6.657+/-5.894 χ^2/NDF: 14.8/20

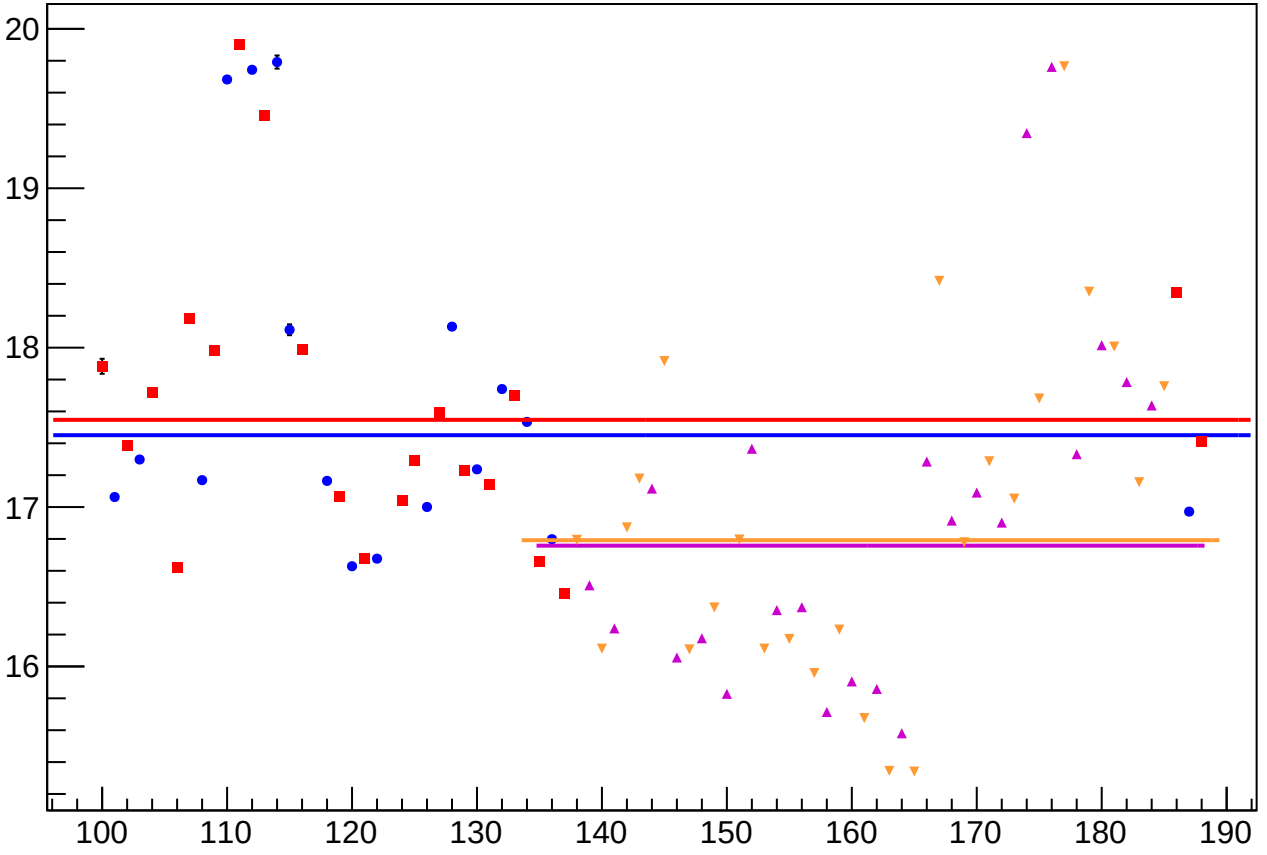
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.322+/-3.285 χ^2/NDF: 28.2/41

All: -0.109+/-2.316 χ^2/NDF: 78.5/85

- sign -1.524+/-3.266 χ^2/NDF: 49.9/43

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.451+/-0.005 χ^2/NDF: 36959.7/16

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

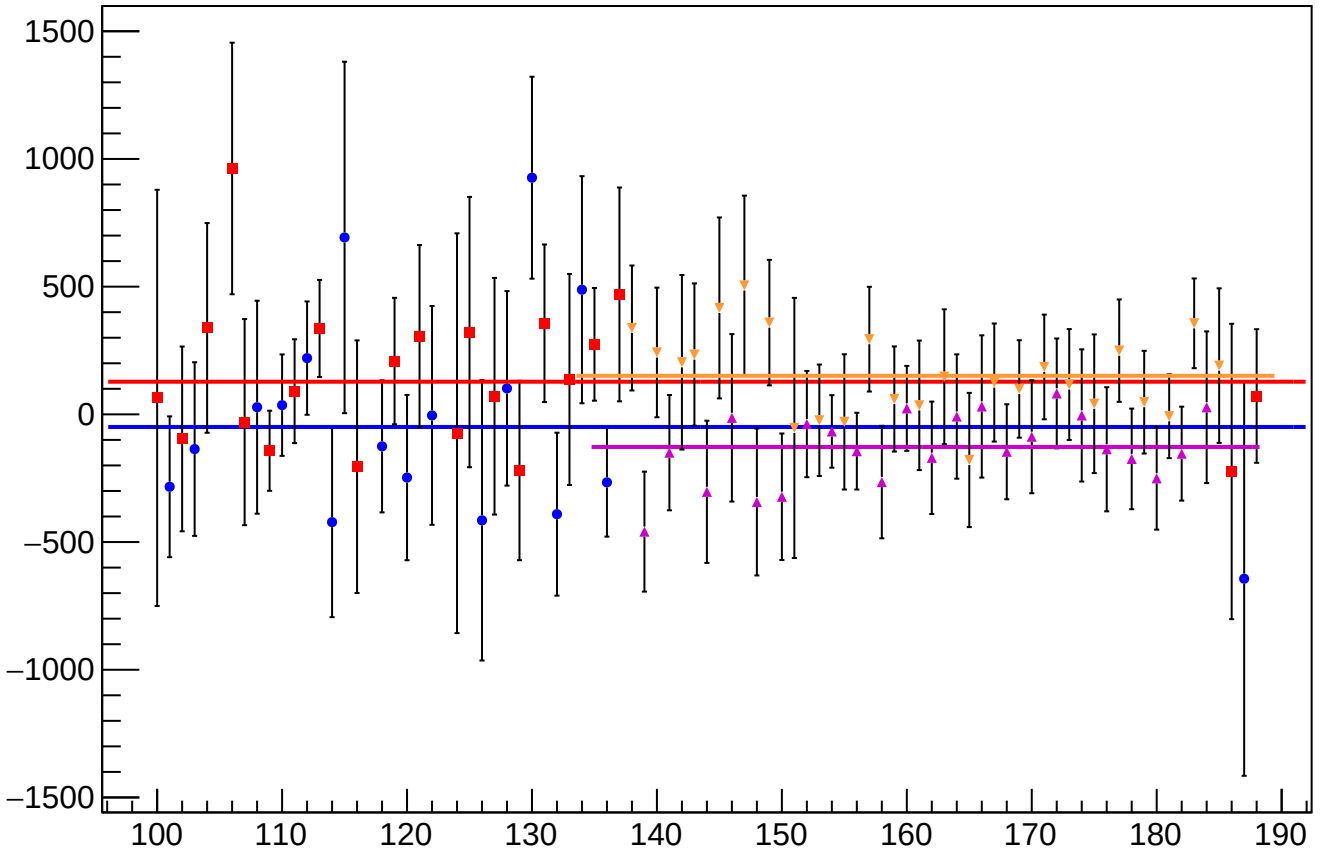
Right Out: 17.547+/-0.004 χ^2/NDF: 36425.6/20

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.965+/-0.002 χ^2/NDF: 189543.3/41

All: 16.983+/-0.002 χ^2/NDF: 374249.3/85

\- sign 17.000+/-0.002 χ^2/NDF: 184590.0/43



Right In: -49.390+/-77.195 χ^2/NDF: 16.1/16

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

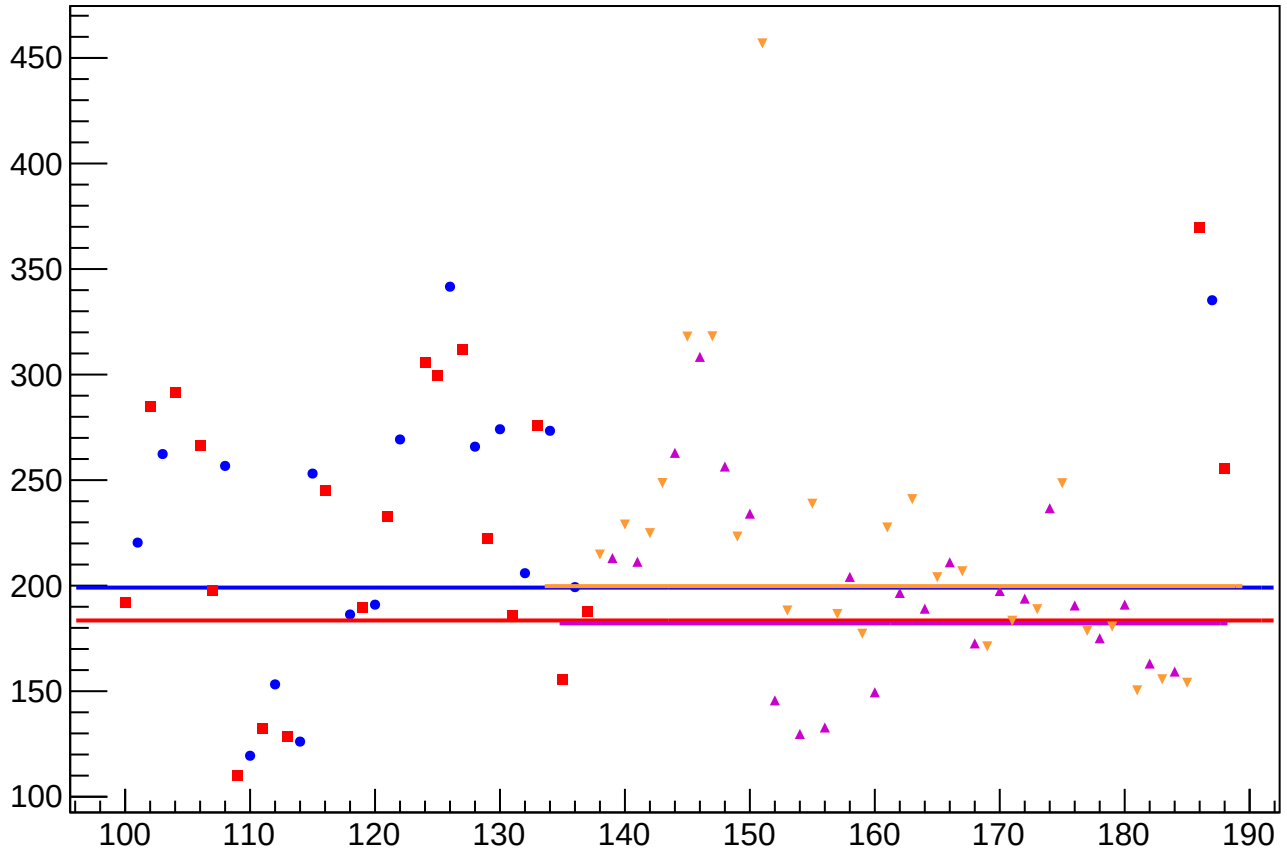
Right Out: 127.743+/-66.772 χ^2/NDF: 12.0/20

Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 96.662+/-40.166 χ^2/NDF: 30.9/41

All: 17.664+/-27.209 χ^2/NDF: 68.0/85

- sign -49.325+/-36.987 χ^2/NDF: 30.0/43



Right In: 199.083+/-0.055 χ^2/NDF: 1063202.4/16

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

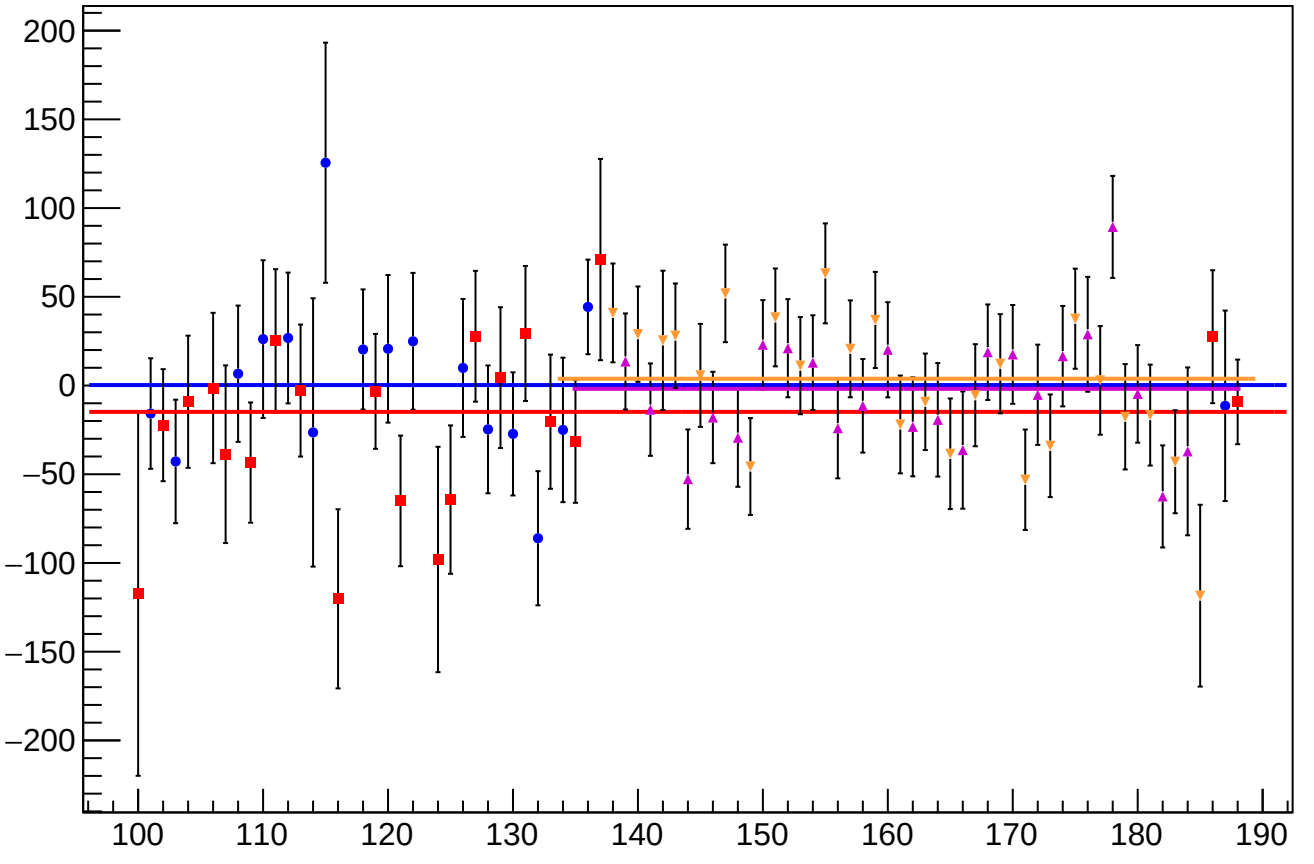
Right Out: 183.509+/-0.047 χ^2/NDF: 1975330.1/20

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 199.595+/-0.028 χ^2/NDF: 2823649.0/41

All: 190.381+/-0.019 χ^2/NDF: 6578416.7/85

- sign 182.567+/-0.026 χ^2/NDF: 3560261.9/43



Right In: 0.259+/-9.280 χ^2/NDF: 16.8/16

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: -14.848+/-8.372 χ^2/NDF: 19.5/20

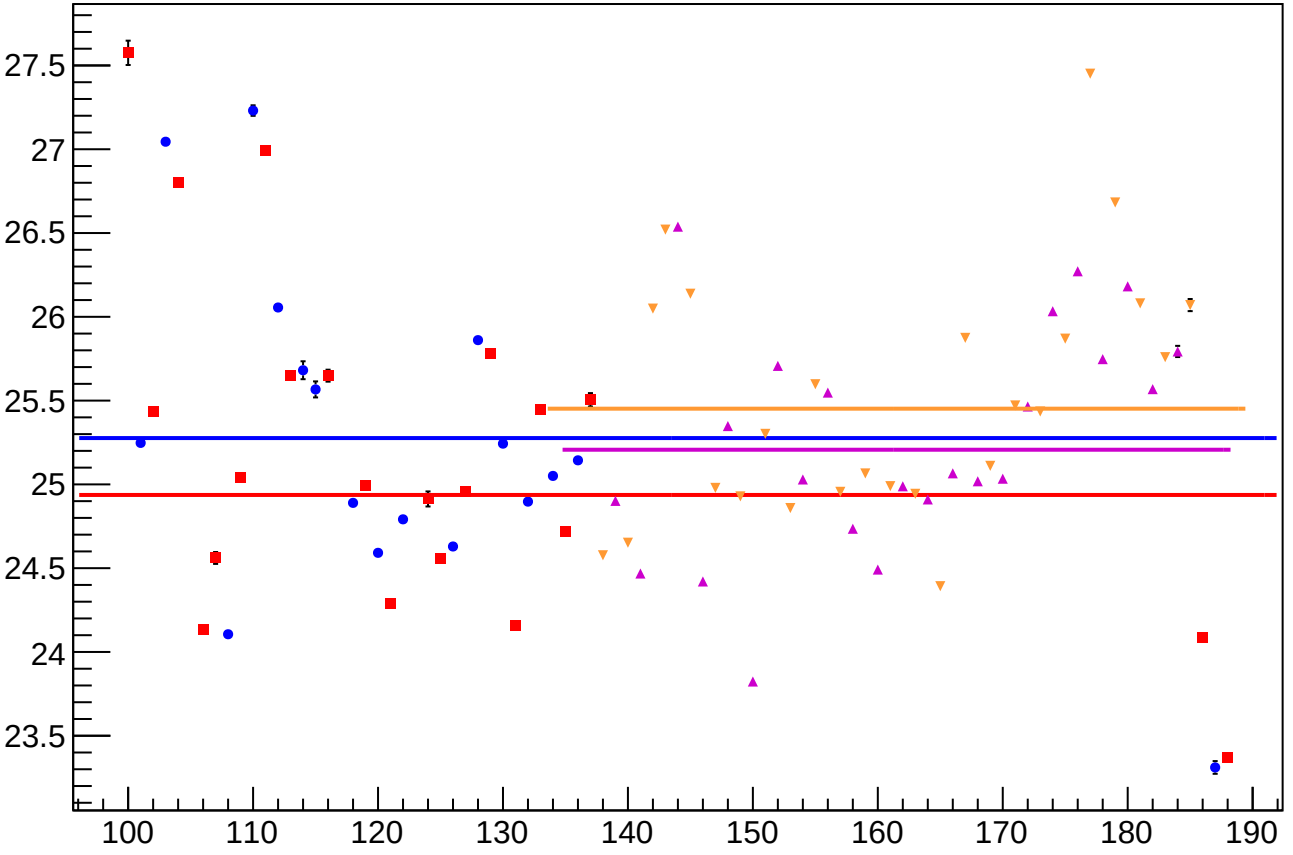
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 2.830+/-4.911 χ^2/NDF: 54.5/41

All: -1.748+/-3.440 χ^2/NDF: 105.4/85

- sign -6.156+/-4.819 χ^2/NDF: 49.1/43

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.276+/-0.007 χ^2/NDF: 17080.0/16

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

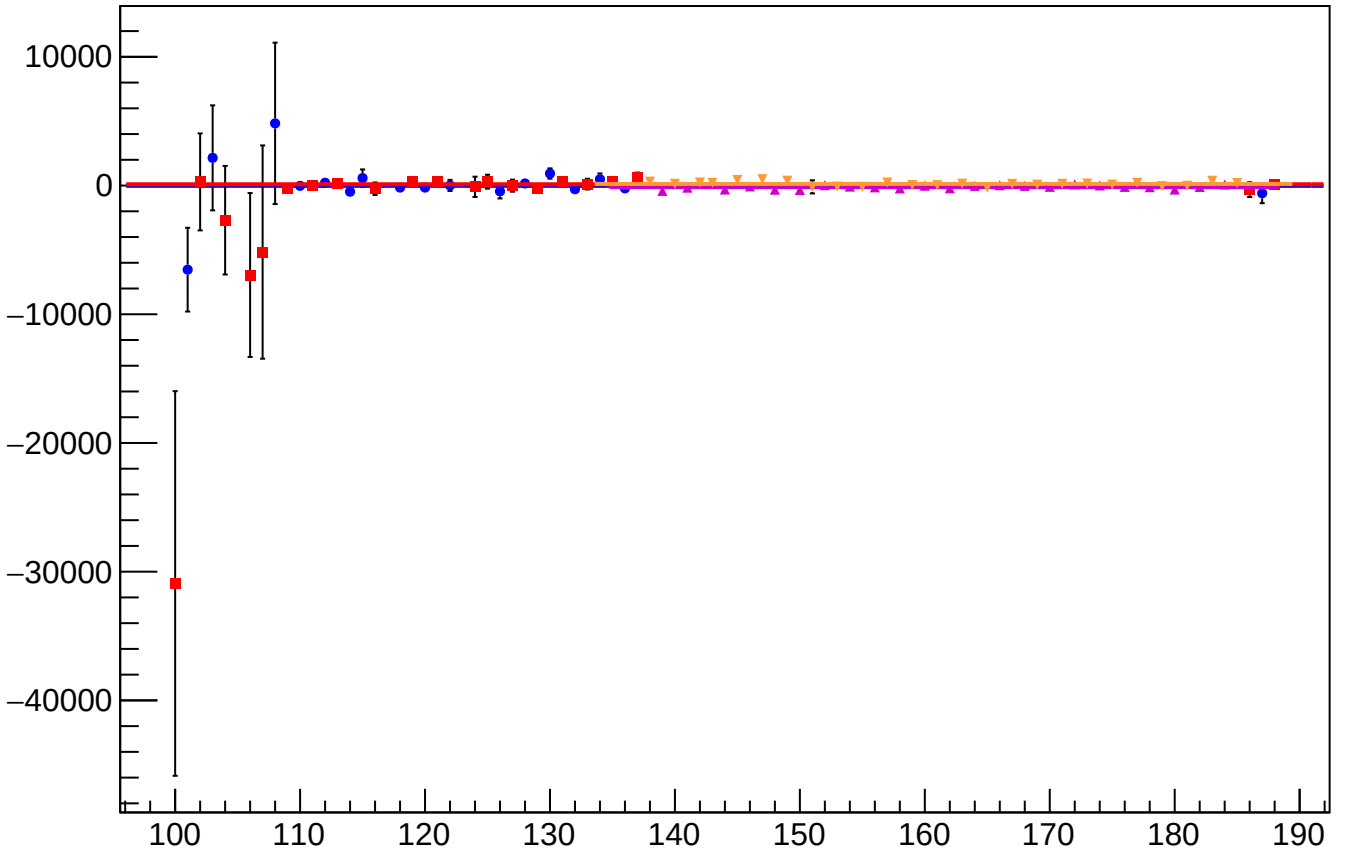
Right Out: 24.937+/-0.006 χ^2/NDF: 26809.5/20

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.403+/-0.003 χ^2/NDF: 47206.7/41

All: 25.257+/-0.002 χ^2/NDF: 104670.9/85

- sign 25.117+/-0.003 χ^2/NDF: 54026.5/43



Right In: -22.384+/-84.195 χ^2/NDF: 18.9/16

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

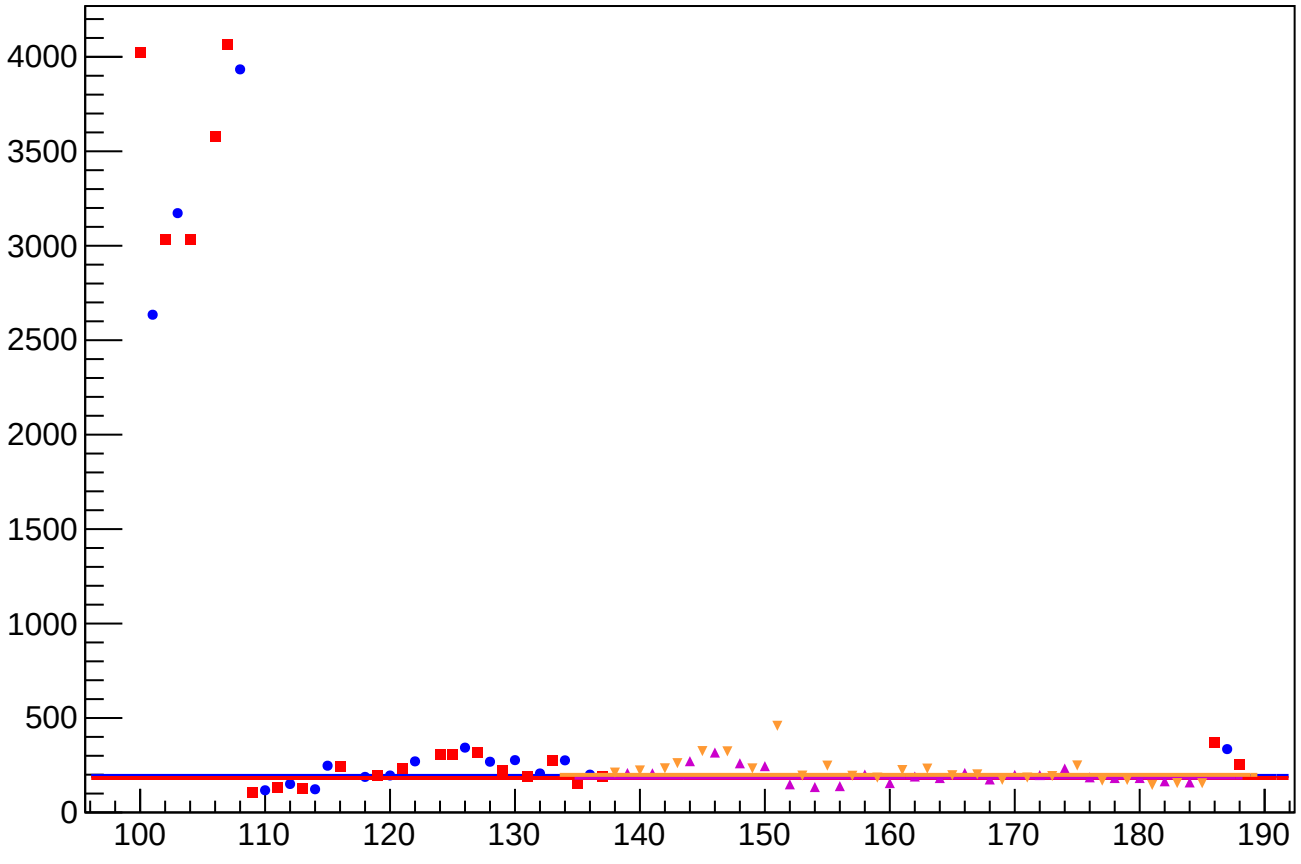
Right Out: 101.235+/-74.208 χ^2/NDF: 14.6/20

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 90.192+/-40.989 χ^2/NDF: 32.3/41

All: 10.846+/-28.023 χ^2/NDF: 68.3/85

- sign -58.784+/-38.398 χ^2/NDF: 28.9/43



Right In: 193.444+/-0.060 χ^2/NDF: 3890211.5/16

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

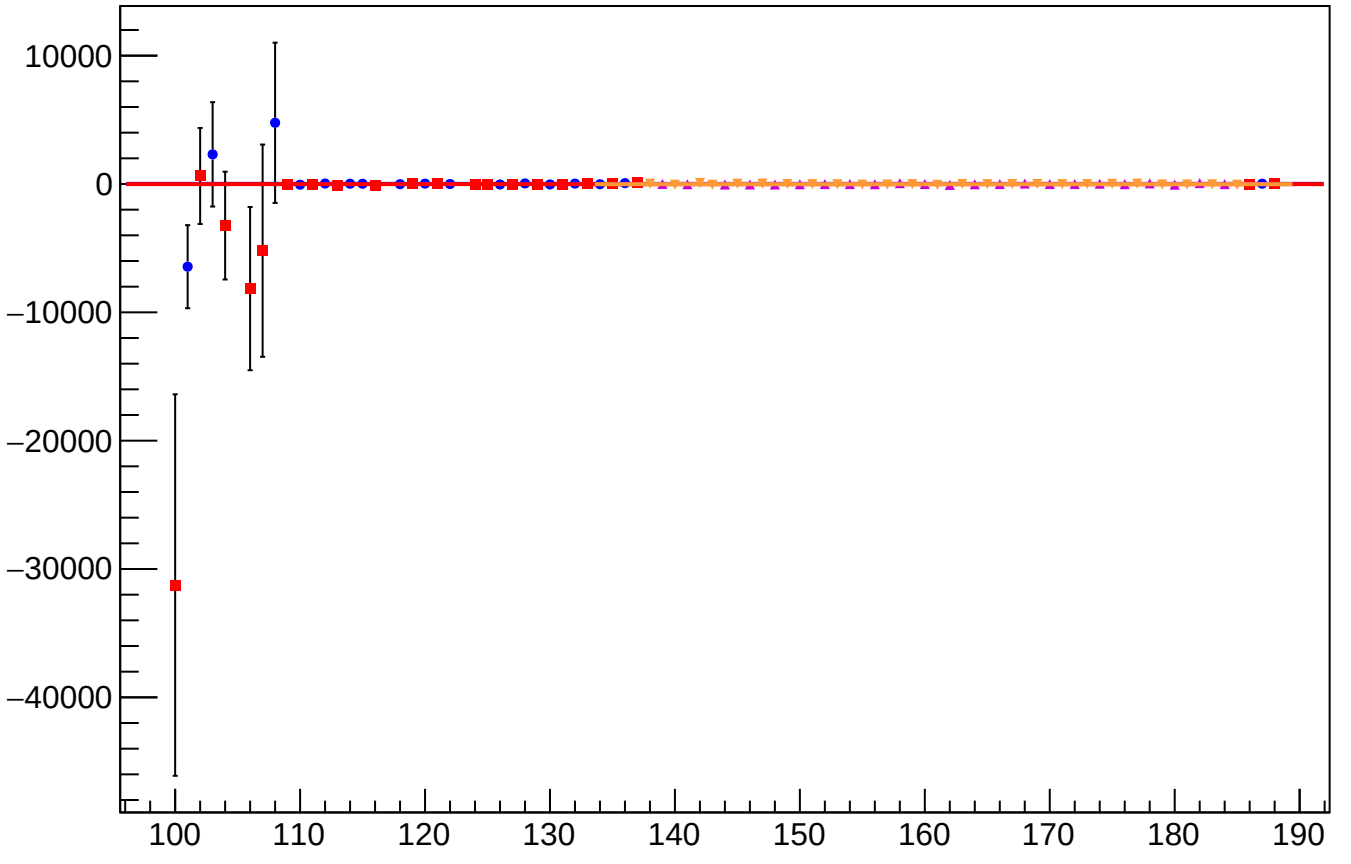
Right Out: 182.400+/-0.052 χ^2/NDF: 4699526.1/20

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 197.679+/-0.029 χ^2/NDF: 5798996.6/41

All: 190.321+/-0.020 χ^2/NDF: 12066897.5/85

- sign 183.863+/-0.027 χ^2/NDF: 6146895.0/43



Right In: 9.927+/-11.521 χ^2/NDF: 16.0/16

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -12.431+/-10.694 χ^2/NDF: 26.7/20

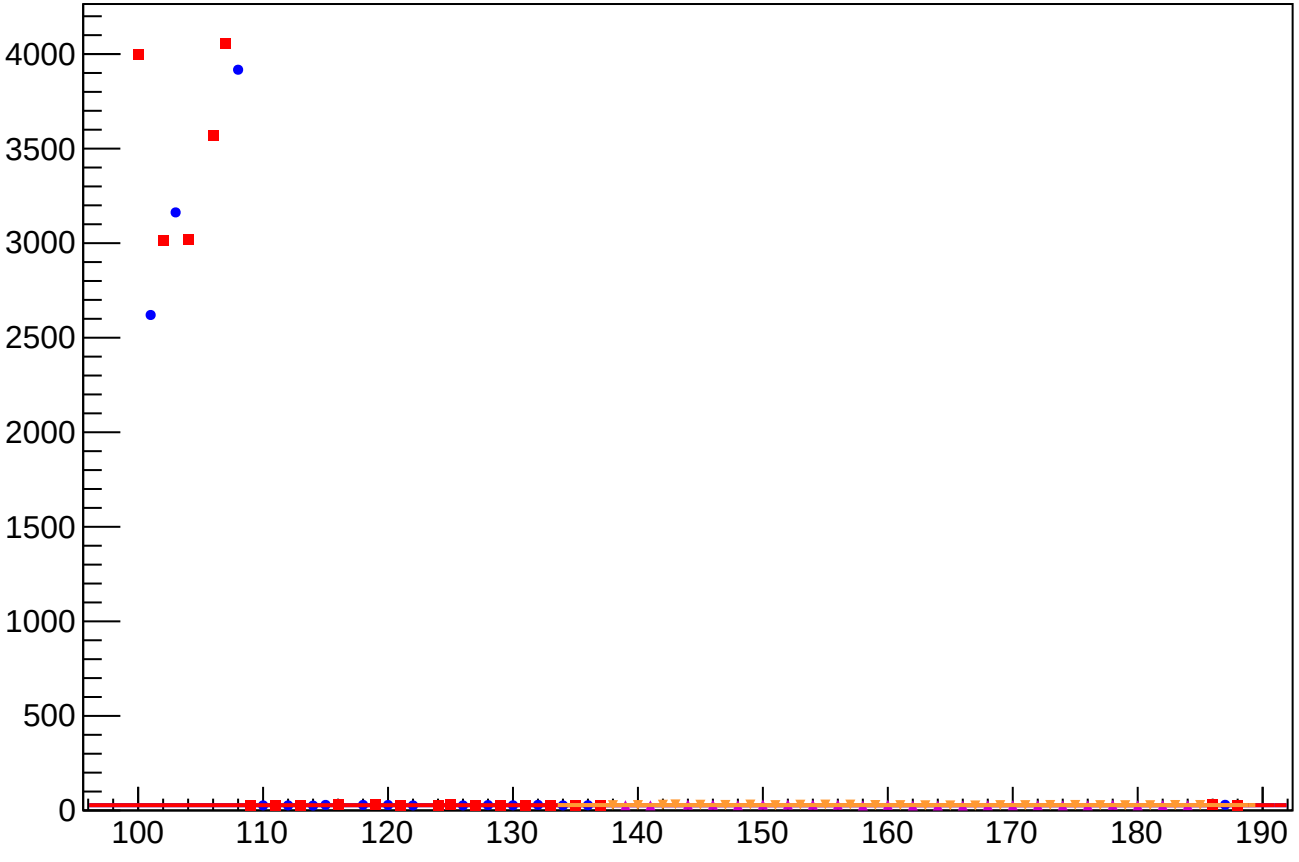
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -8.834+/-5.669 χ^2/NDF: 41.8/41

All: -6.954+/-4.012 χ^2/NDF: 97.6/85

- sign -5.066+/-5.680 χ^2/NDF: 55.6/43

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.700+/-0.008 χ^2/NDF: 3267304.1/16

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

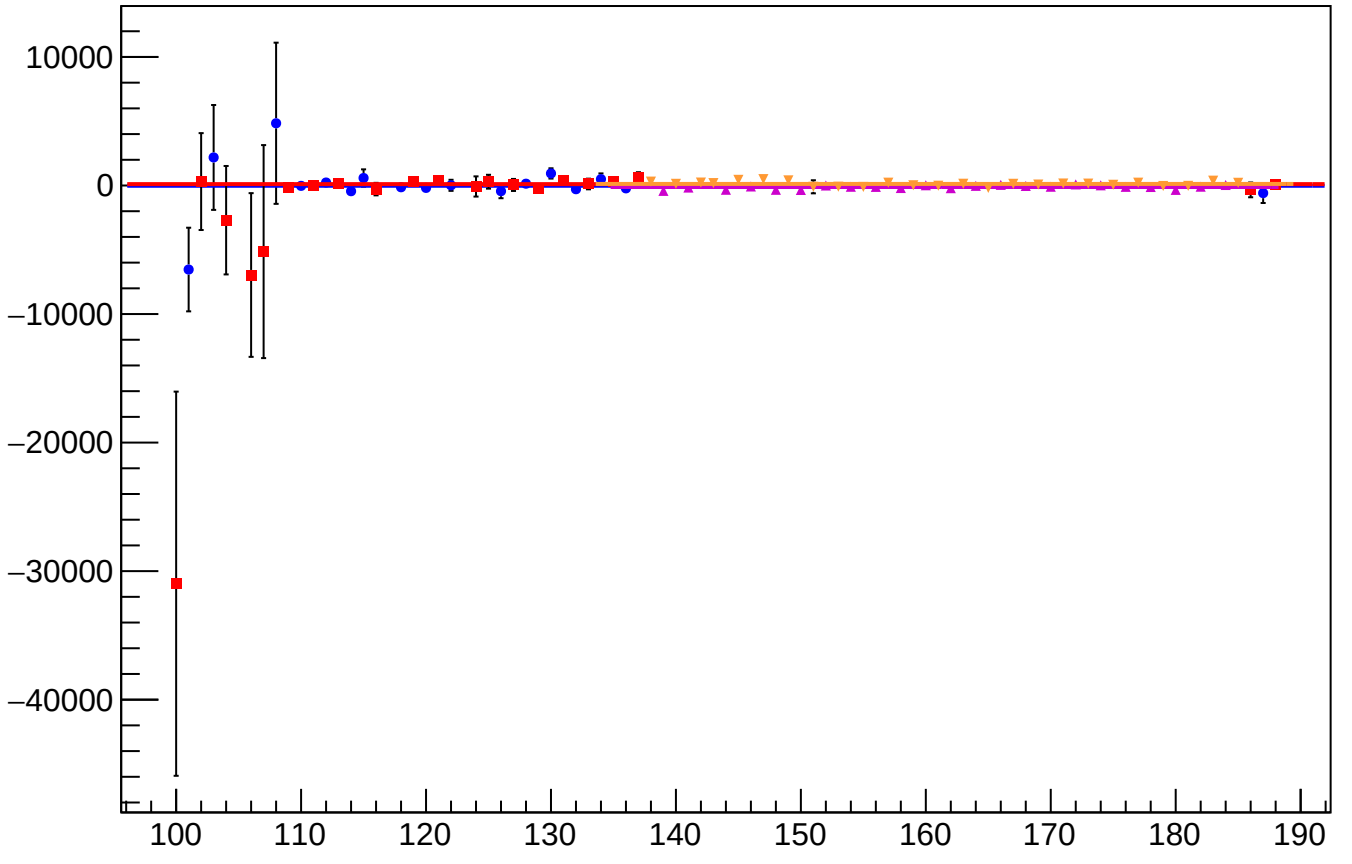
Right Out: 27.838+/-0.008 χ^2/NDF: 3572073.1/20

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.371+/-0.004 χ^2/NDF: 3364389.8/41

All: 28.380+/-0.003 χ^2/NDF: 7066794.1/85

- sign 28.389+/-0.004 χ^2/NDF: 3702394.2/43



Right In: -20.003+/-83.952 χ^2/NDF: 18.9/16

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: 107.391+/-74.009 χ^2/NDF: 15.1/20

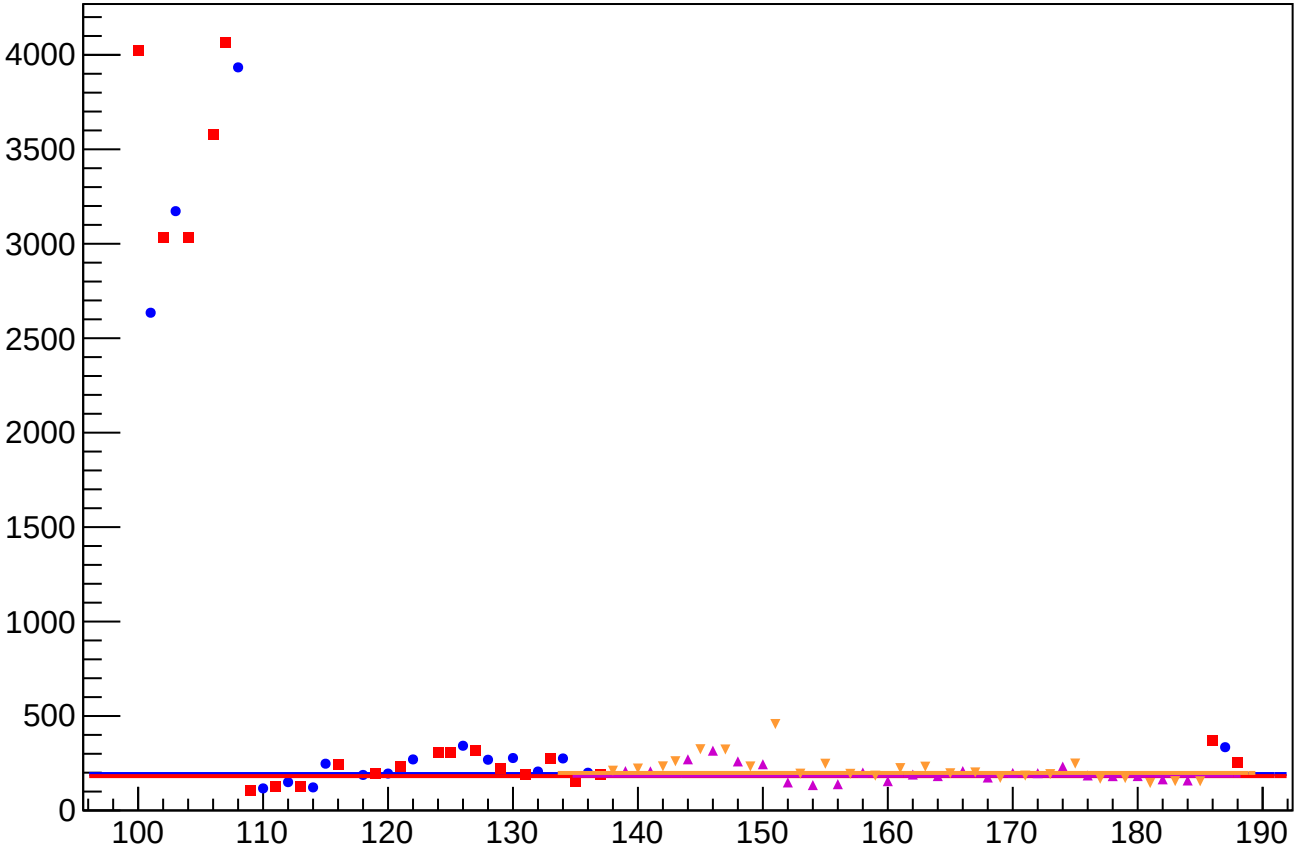
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 88.241+/-40.894 χ^2/NDF: 33.0/41

All: 11.272+/-27.961 χ^2/NDF: 69.9/85

- sign -56.300+/-38.316 χ^2/NDF: 30.2/43

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 192.776+/-0.059 χ^2/NDF: 3902755.4/16

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

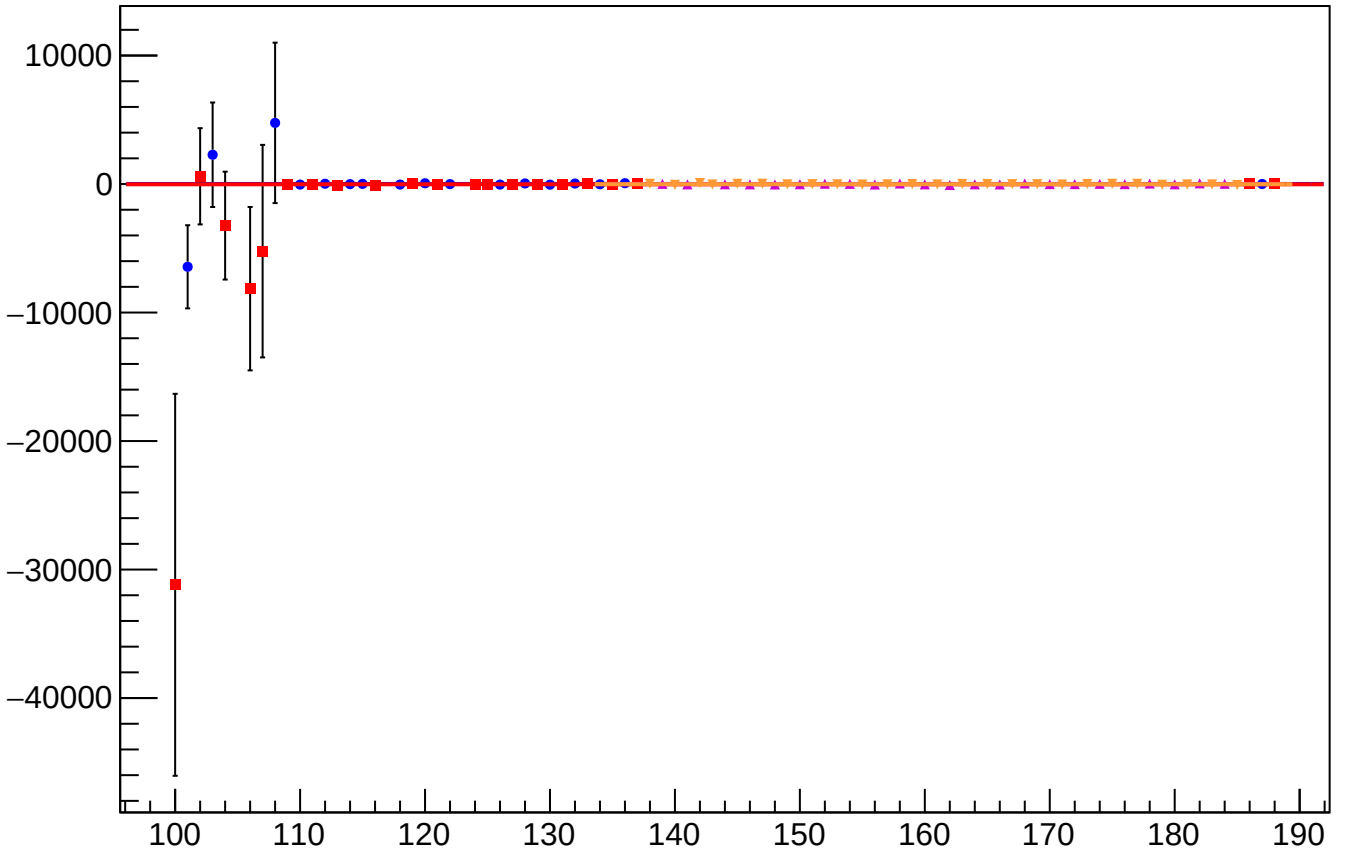
Right Out: 181.784+/-0.052 χ^2/NDF: 4716335.2/20

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 197.196+/-0.029 χ^2/NDF: 5811527.8/41

All: 189.872+/-0.020 χ^2/NDF: 12095103.7/85

- sign 183.443+/-0.027 χ^2/NDF: 6163134.2/43



Right In: 6.410+/-11.596 χ^2/NDF: 18.3/16

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

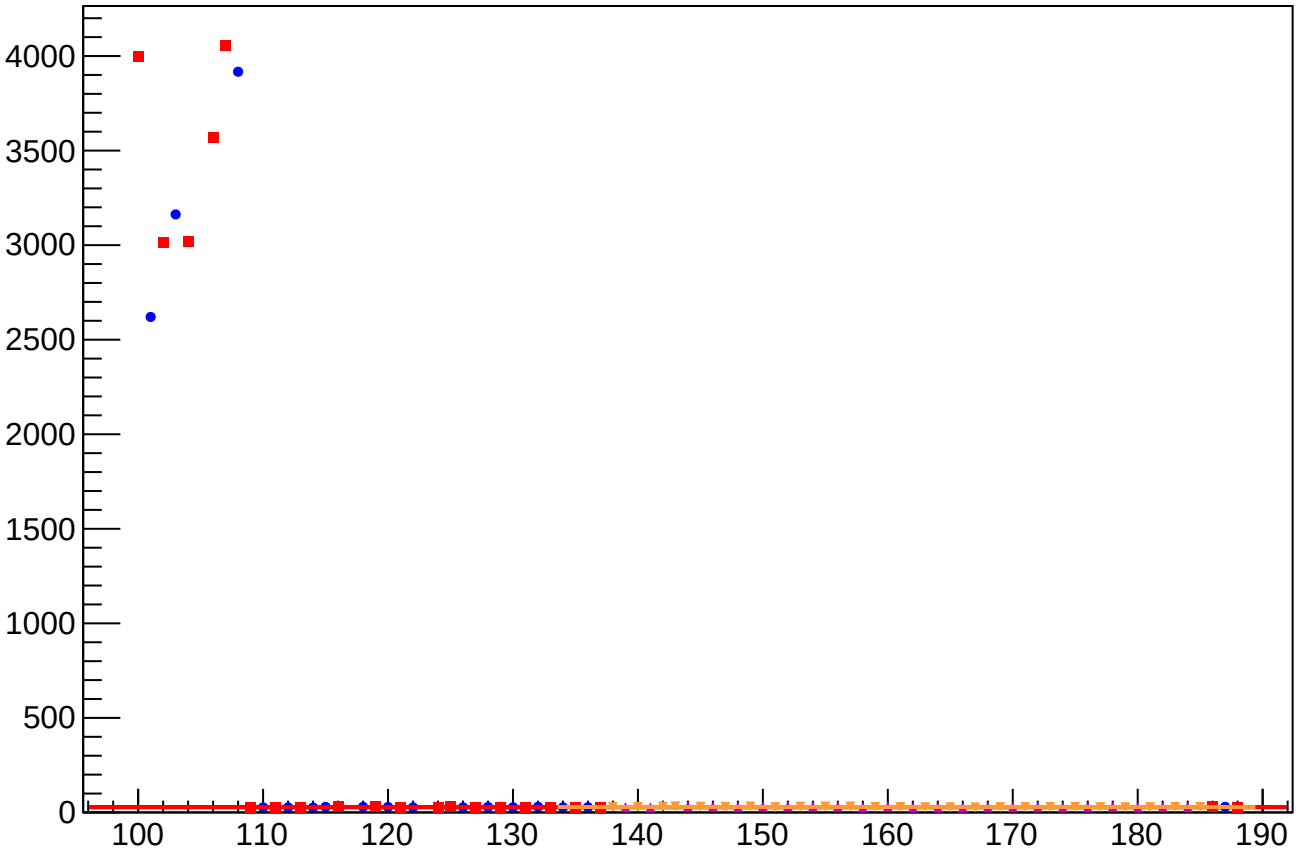
Right Out: -19.324+/-10.744 χ^2/NDF: 25.3/20

Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -7.452+/-5.697 χ^2/NDF: 38.1/41

All: -7.375+/-4.031 χ^2/NDF: 87.3/85

- sign -7.298+/-5.705 χ^2/NDF: 49.2/43



Right In: 27.876+/-0.008 χ^2/NDF: 3267207.5/16

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

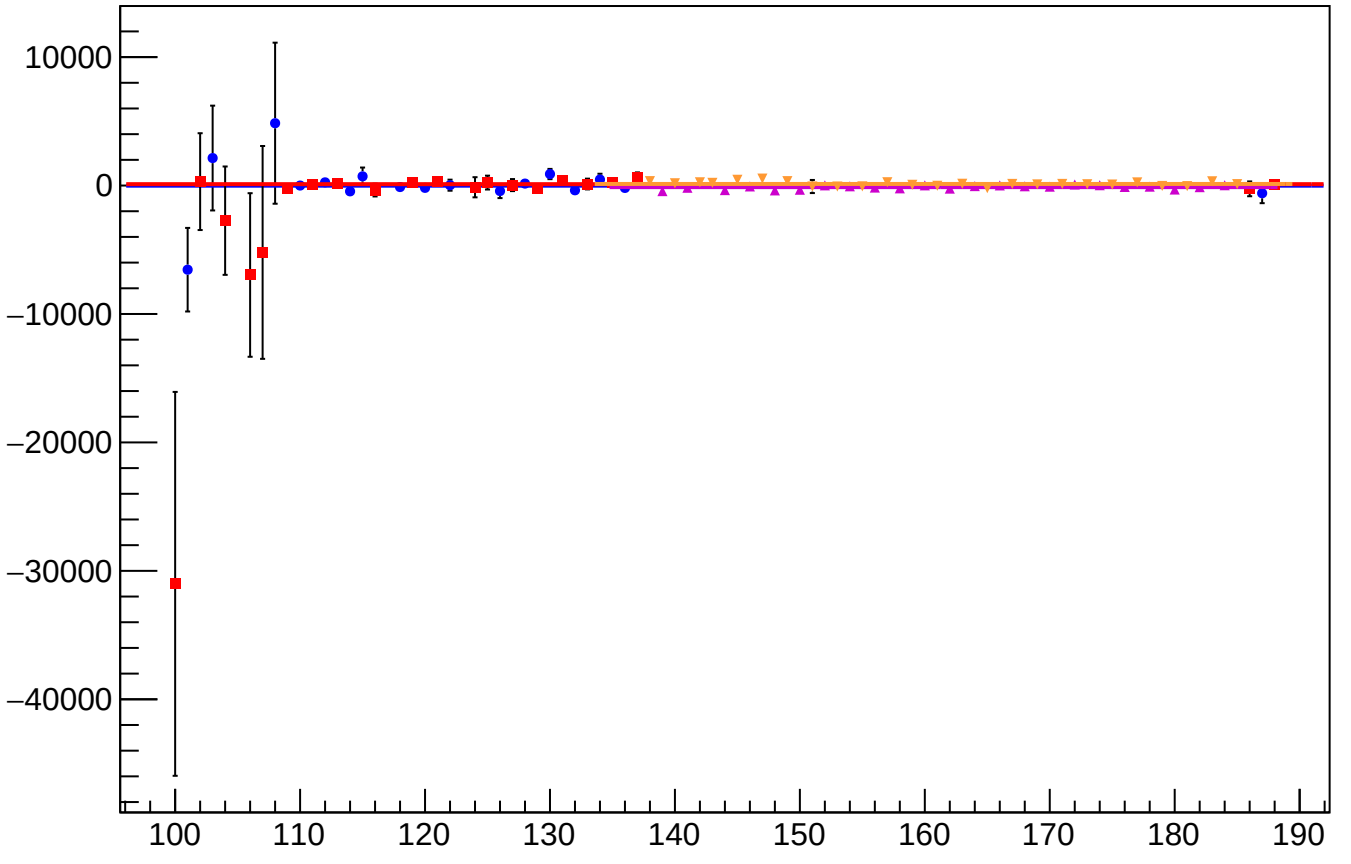
Right Out: 27.971+/-0.008 χ^2/NDF: 3568773.0/20

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.507+/-0.004 χ^2/NDF: 3373879.2/41

All: 28.510+/-0.003 χ^2/NDF: 7077155.9/85

- sign 28.514+/-0.004 χ^2/NDF: 3703274.8/43



Right In: -9.957+/-84.992 χ^2/NDF: 18.8/16

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: 107.476+/-74.975 χ^2/NDF: 14.2/20

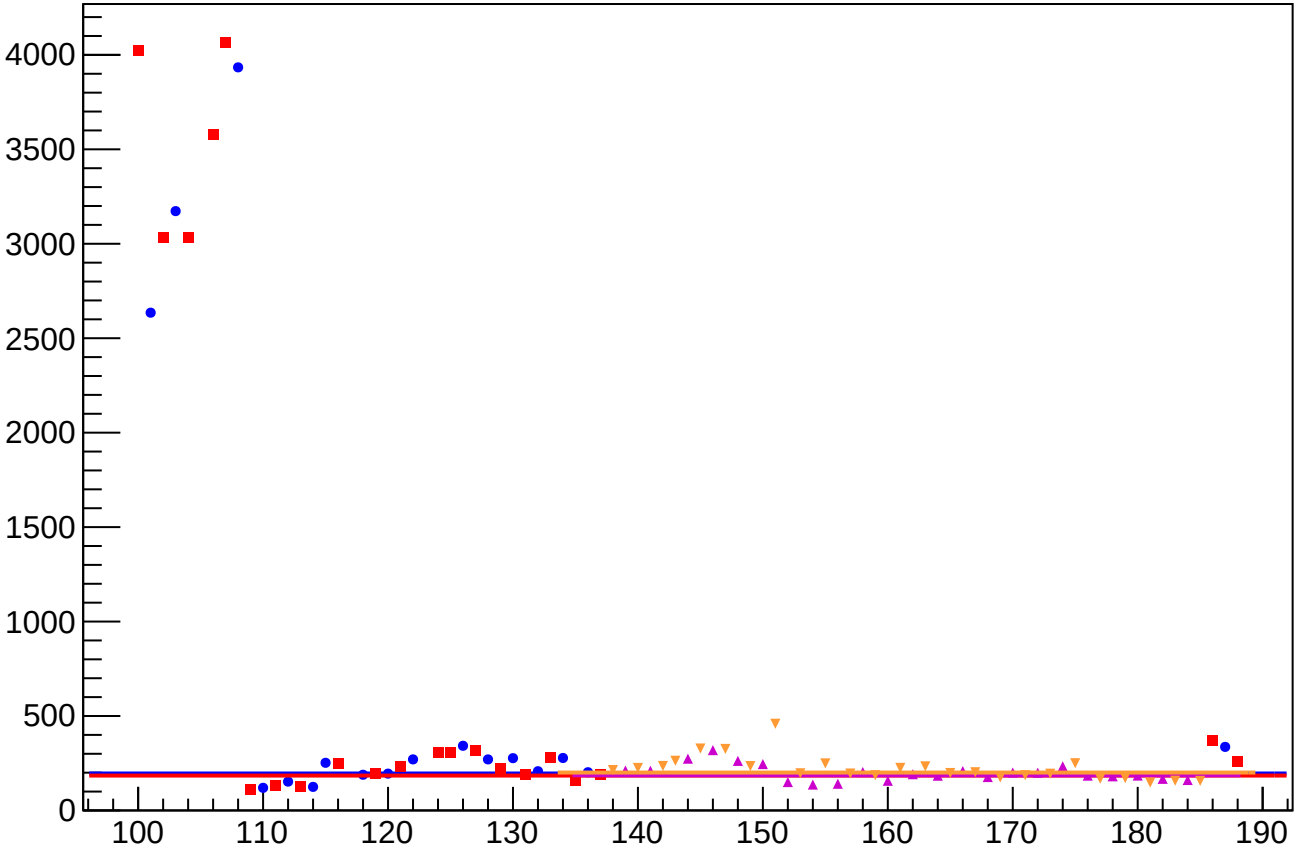
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 91.455+/-41.330 χ^2/NDF: 32.0/41

All: 10.082+/-28.270 χ^2/NDF: 68.9/85

- sign -61.459+/-38.753 χ^2/NDF: 29.6/43

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 195.663+/-0.060 χ^2/NDF: 3851403.4/16

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 184.734+/-0.053 χ^2/NDF: 4645715.0/20

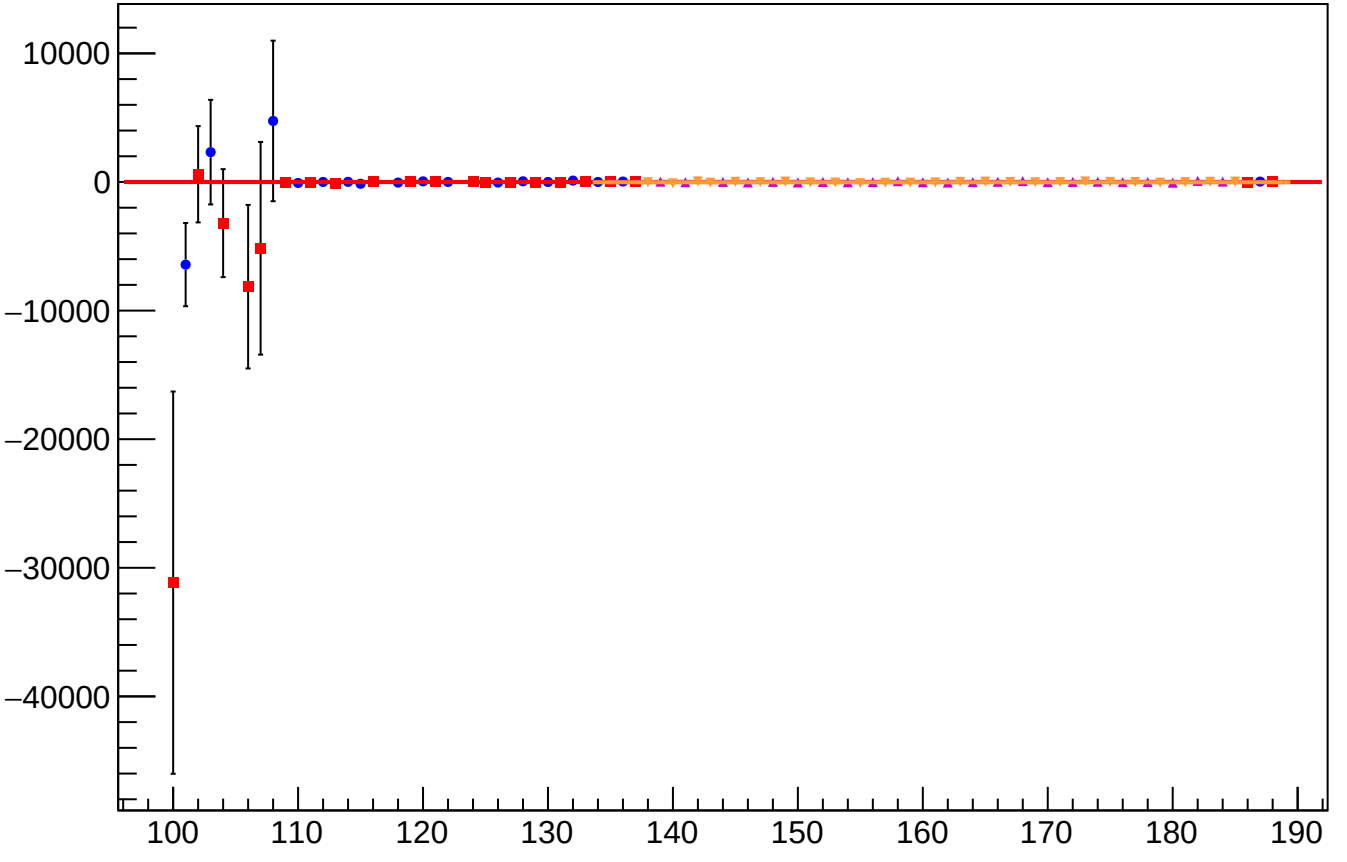
Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 199.498+/-0.029 χ^2/NDF: 5736820.2/41

All: 192.201+/-0.020 χ^2/NDF: 11913610.7/85

- sign 185.786+/-0.027 χ^2/NDF: 6059639.3/43

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.437+/-14.091 χ^2/NDF: 17.6/16

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -7.028+/-13.024 χ^2/NDF: 25.9/20

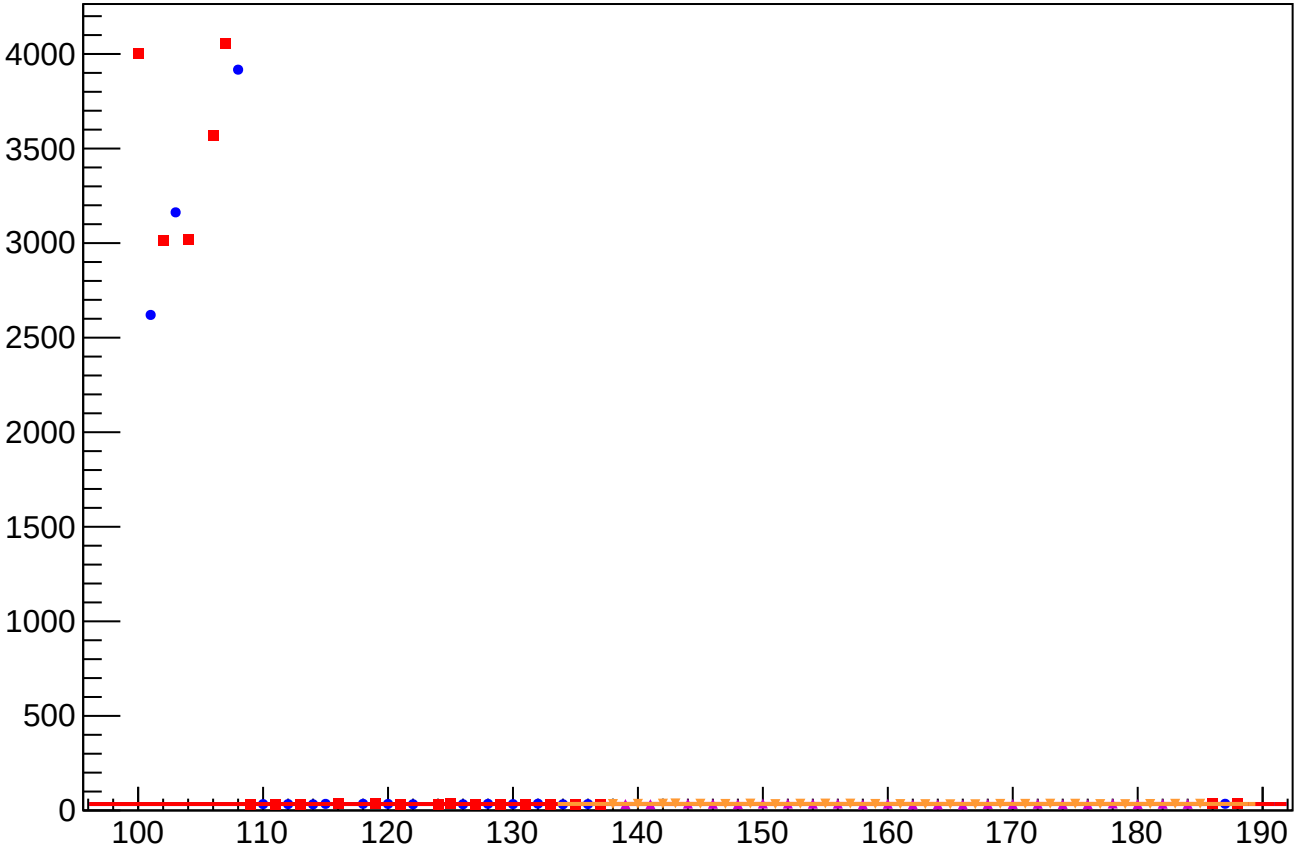
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -14.694+/-6.848 χ^2/NDF: 43.4/41

All: -6.893+/-4.849 χ^2/NDF: 91.3/85

- sign 0.954+/-6.868 χ^2/NDF: 45.3/43

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.940+/-0.010 χ^2/NDF: 3244918.3/16

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

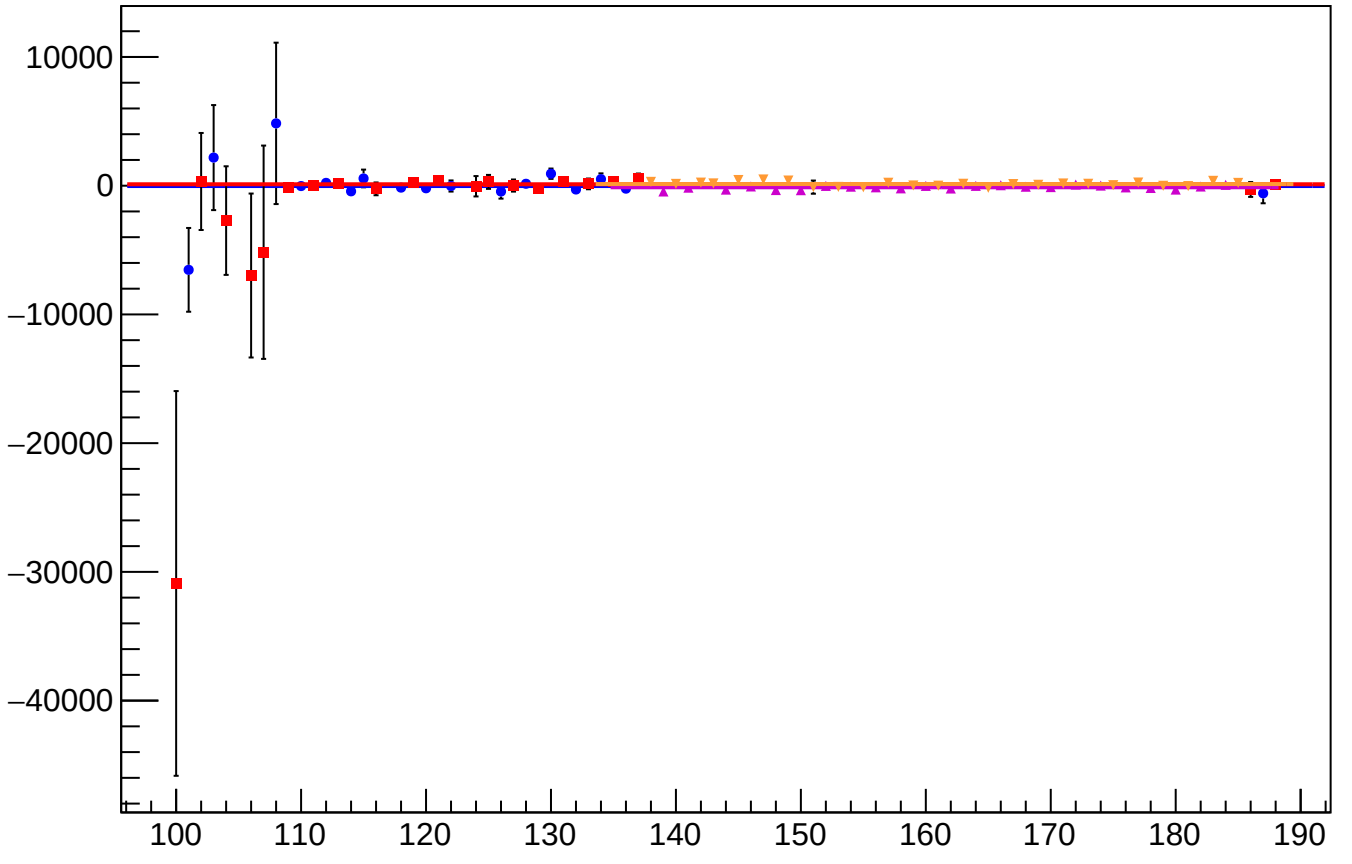
Right Out: 33.990+/-0.009 χ^2/NDF: 3533925.8/20

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.321+/-0.005 χ^2/NDF: 3291518.2/41

All: 34.358+/-0.003 χ^2/NDF: 6887534.3/85

- sign 34.396+/-0.005 χ^2/NDF: 3595897.1/43



Right In: -26.333+/-84.554 χ^2/NDF: 18.7/16

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: 111.365+/-74.522 χ^2/NDF: 13.8/20

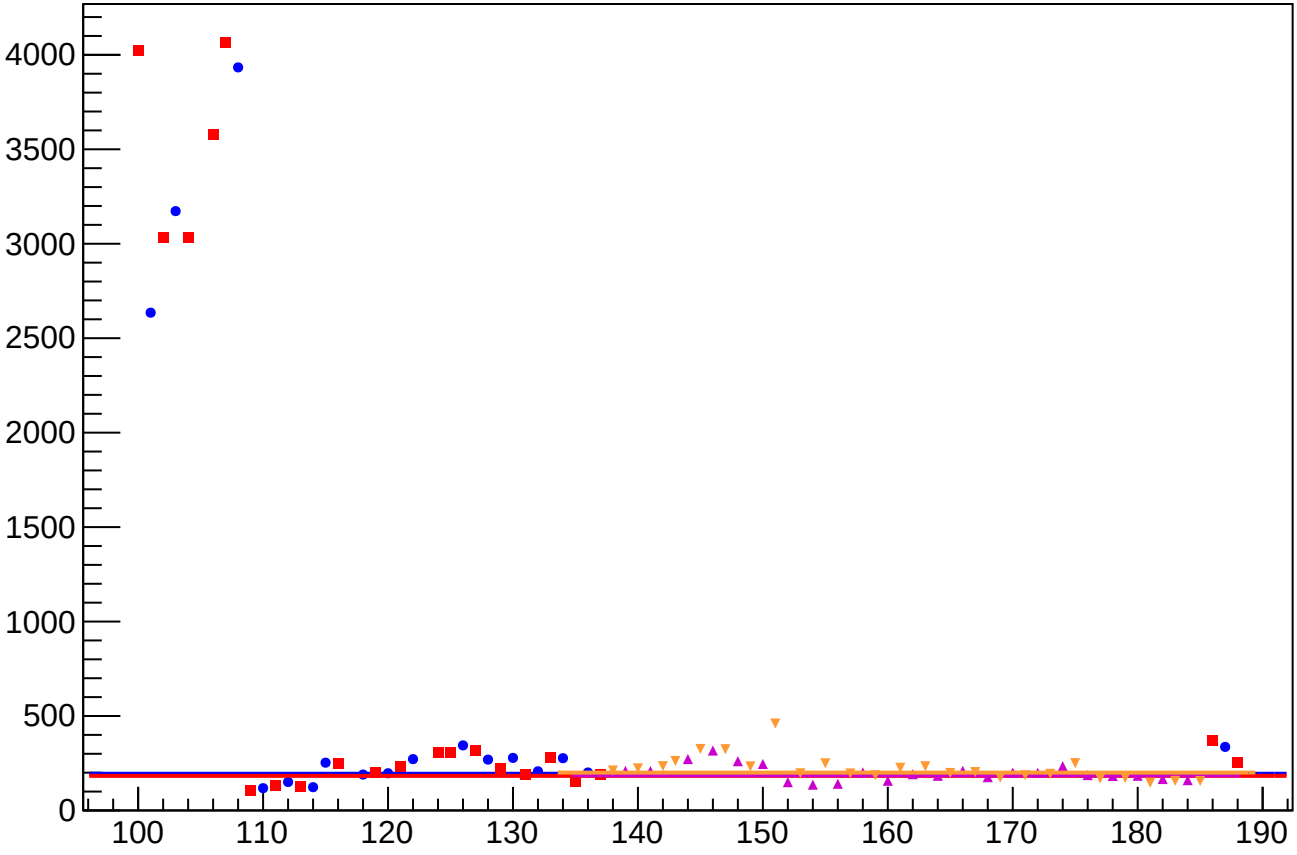
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 91.063+/-41.232 χ^2/NDF: 32.9/41

All: 10.736+/-28.197 χ^2/NDF: 69.0/85

- sign -59.832+/-38.646 χ^2/NDF: 29.0/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 194.275+/-0.060 χ^2/NDF: 3890974.3/16

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

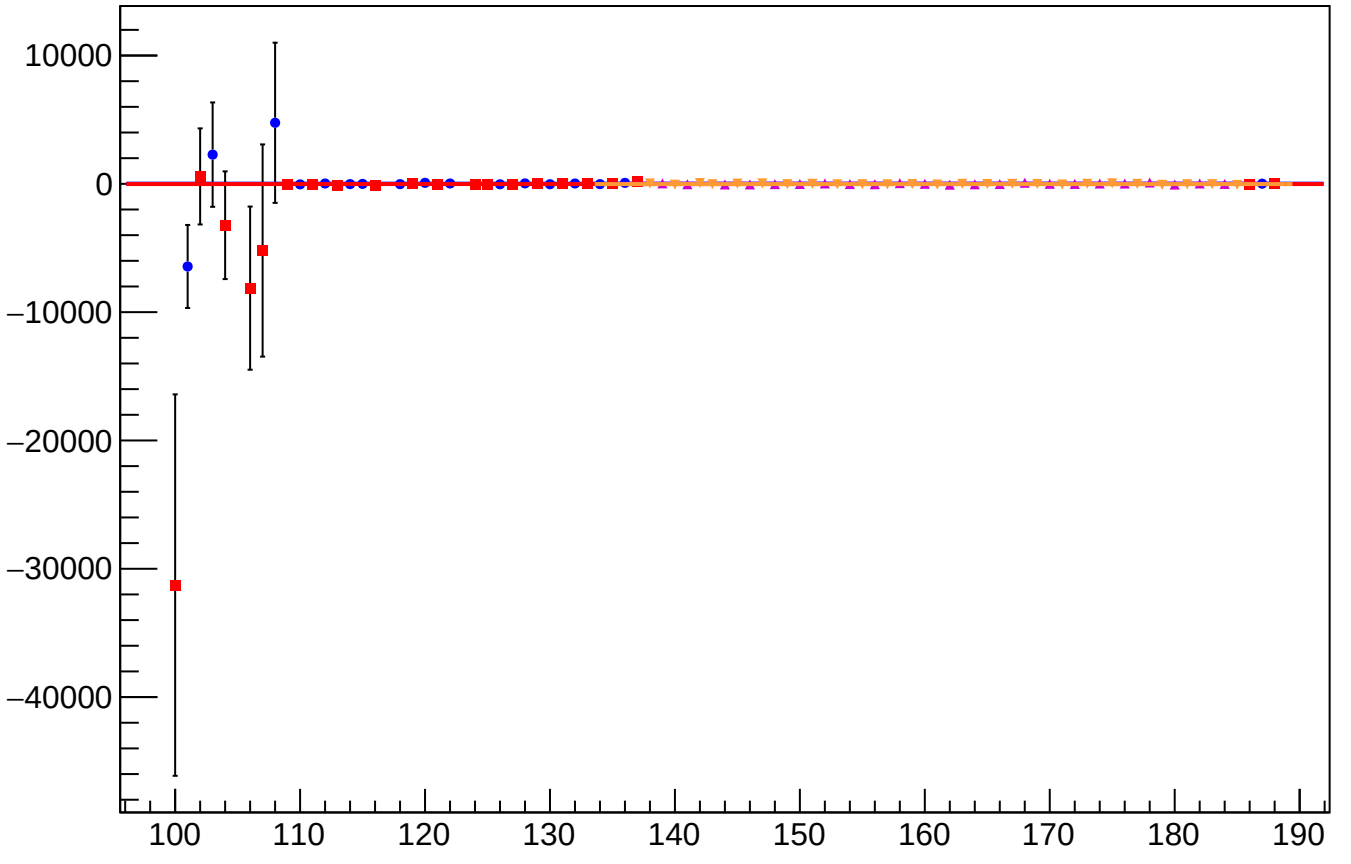
Right Out: 183.200+/-0.053 χ^2/NDF: 4700390.0/20

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 198.922+/-0.029 χ^2/NDF: 5775433.8/41

All: 191.592+/-0.020 χ^2/NDF: 12001962.0/85

- sign 185.153+/-0.027 χ^2/NDF: 6107794.6/43



Right In: 13.661+/-12.865 χ^2/NDF: 15.5/16

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -17.242+/-11.868 χ^2/NDF: 30.8/20

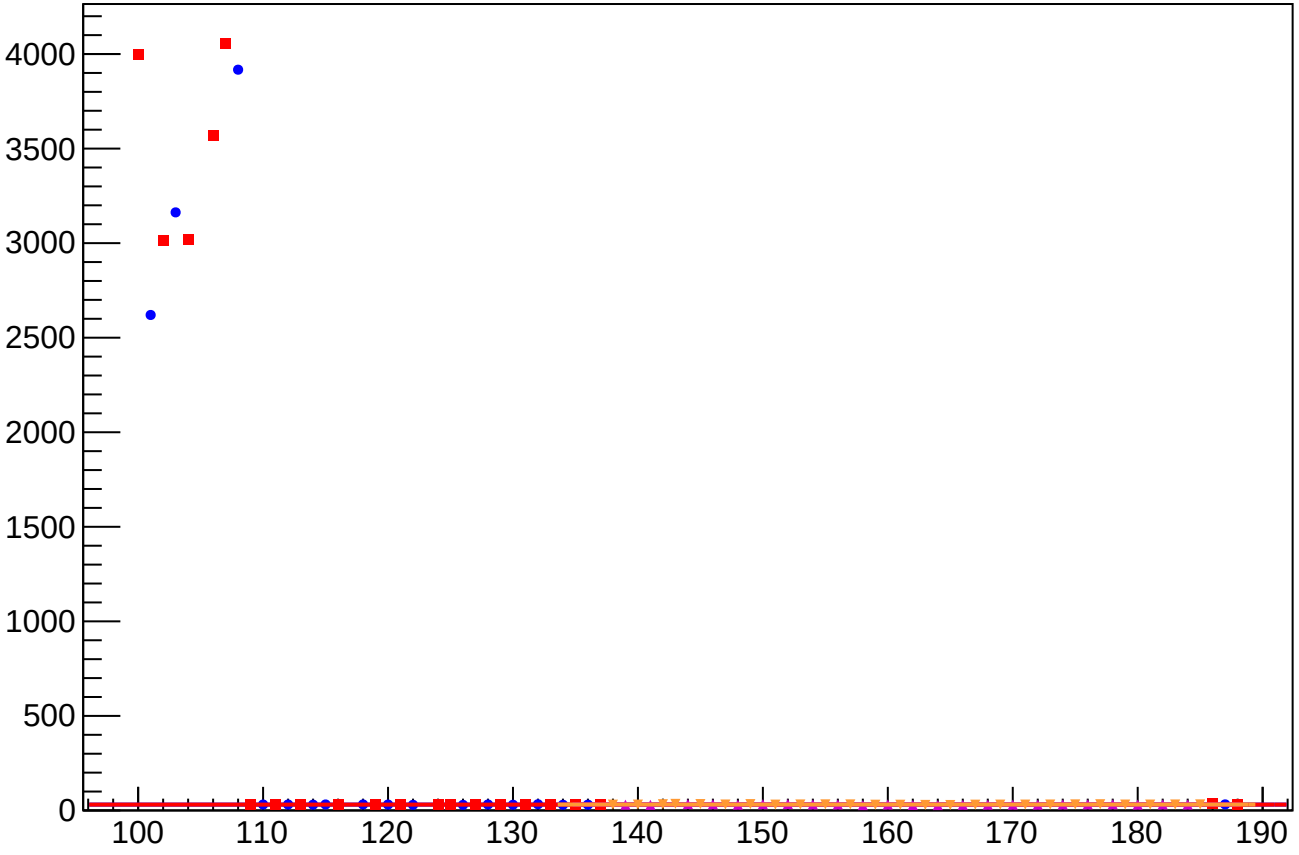
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

\+ sign -10.997+/-6.239 χ^2/NDF: 40.7/41

All: -6.913+/-4.415 χ^2/NDF: 109.9/85

\- sign -2.819+/-6.247 χ^2/NDF: 68.4/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.962+/-0.009 χ^2/NDF: 3253046.2/16

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

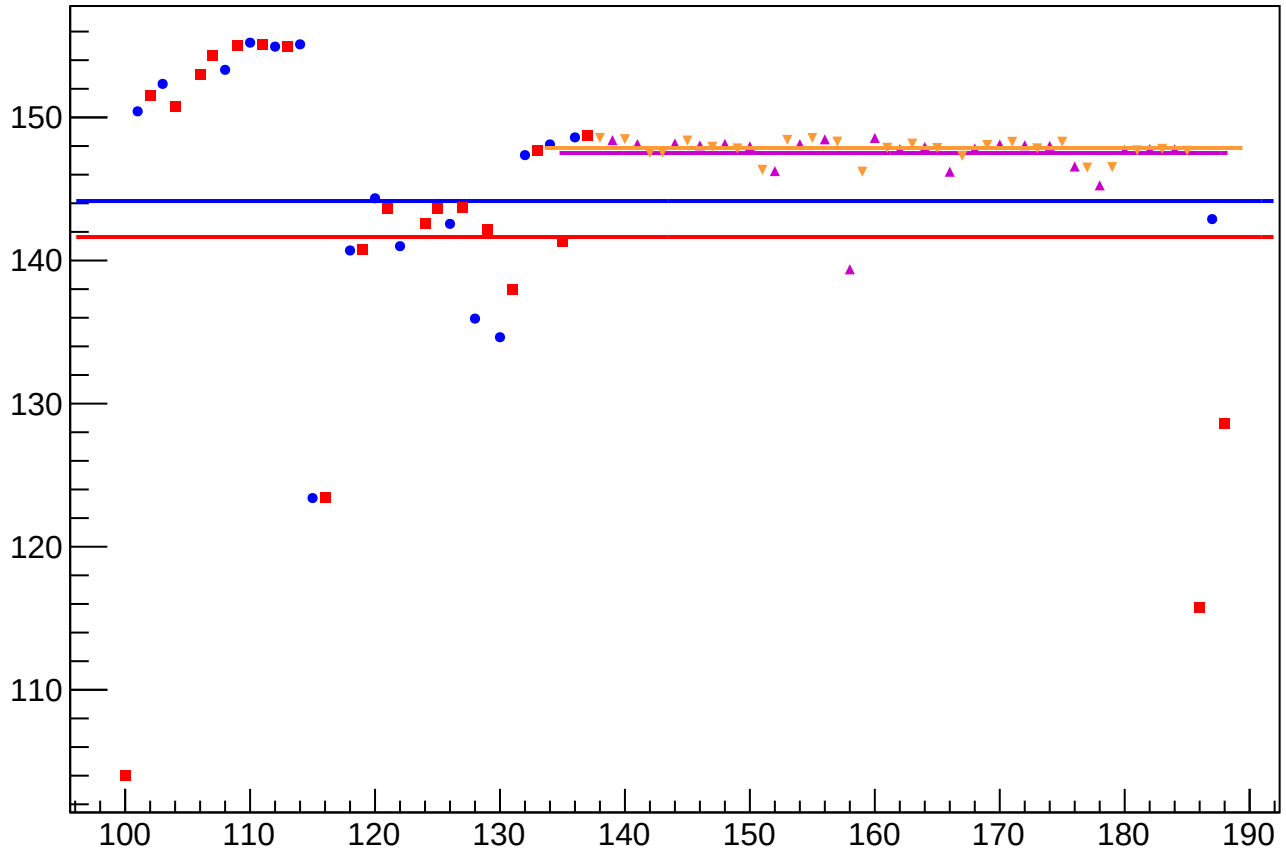
Right Out: 30.939+/-0.008 χ^2/NDF: 3545593.9/20

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.251+/-0.004 χ^2/NDF: 3317384.3/41

All: 31.254+/-0.003 χ^2/NDF: 6950202.8/85

- sign 31.257+/-0.004 χ^2/NDF: 3632817.4/43



Right In: 144.158+/-0.000 χ^2/NDF: 3726102788.8/16

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 141.642+/-0.000 χ^2/NDF: 7391814143.2/20

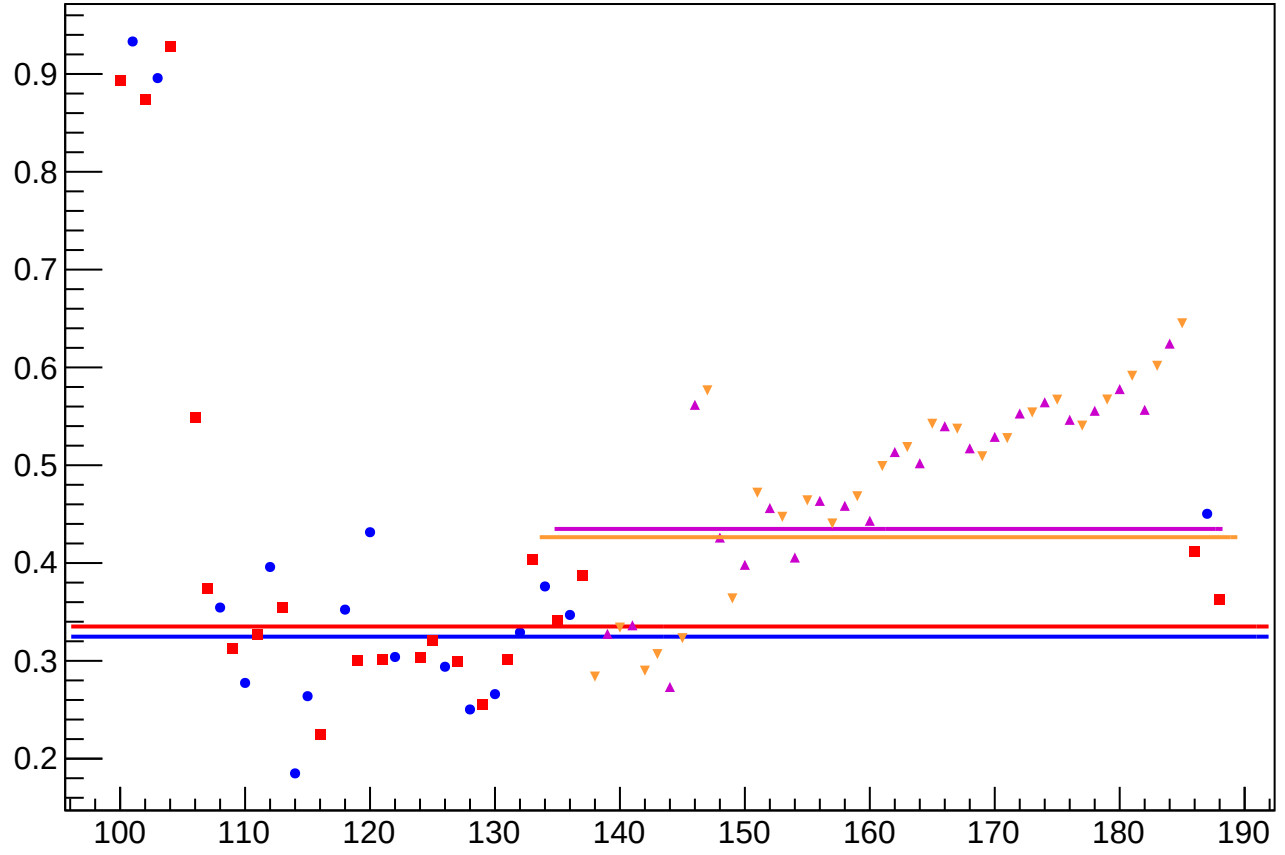
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.479+/-0.000 χ^2/NDF: 4269187482.9/41

All: 145.750+/-0.000 χ^2/NDF: 13435251987.

- sign 145.021+/-0.000 χ^2/NDF: 9001509793.5/43

yield_bcm_target_rms vs Slug



Right In: 0.325+/-0.000 χ^2/NDF: 1422784.2/16

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

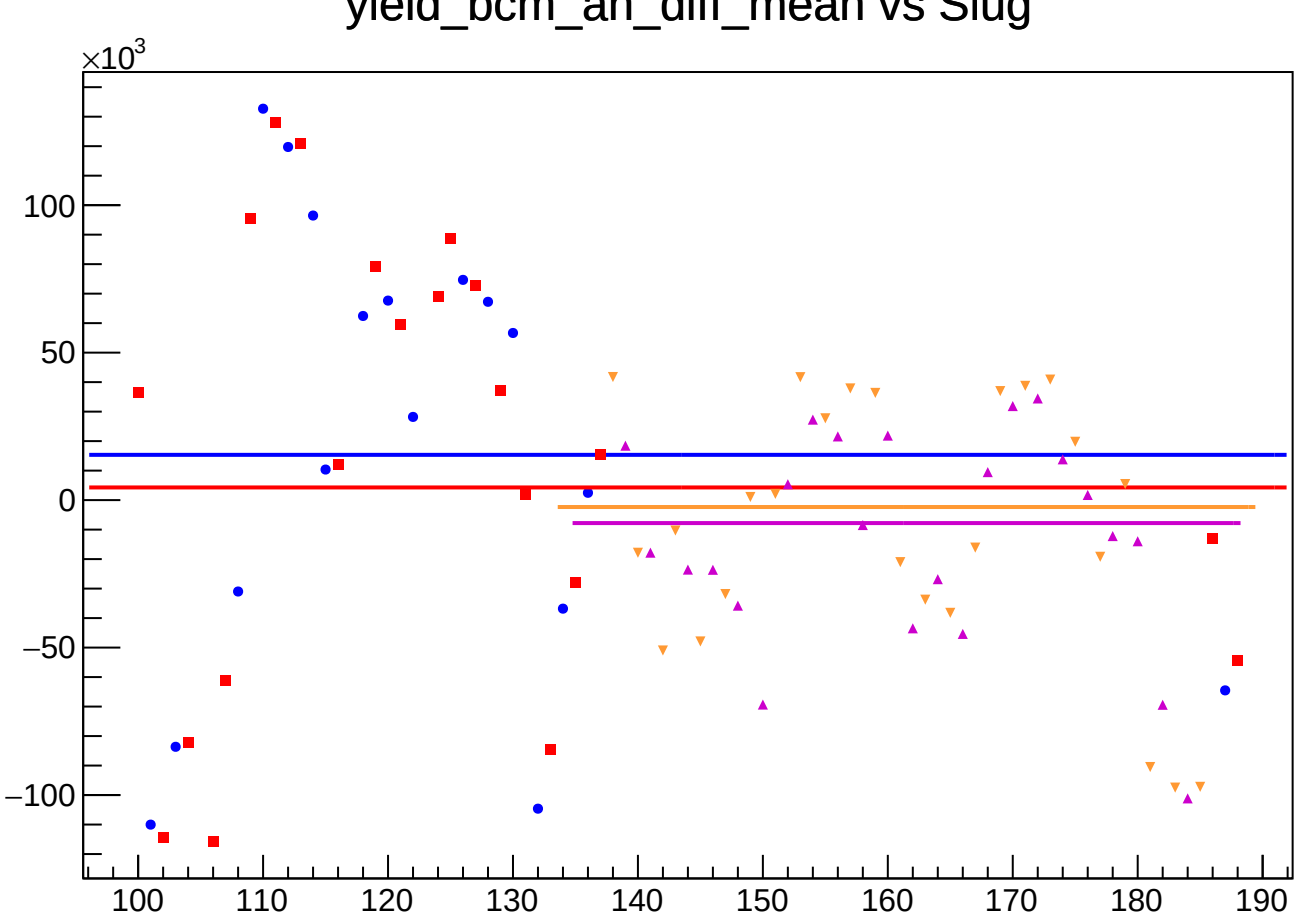
Right Out: 0.335+/-0.000 χ^2/NDF: 1346786.9/20

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.388+/-0.000 χ^2/NDF: 4432048.9/41

All: 0.390+/-0.000 χ^2/NDF: 8309653.5/85

- sign 0.393+/-0.000 χ^2/NDF: 3874952.1/43



Right In: 15346.751+/-1.977 χ^2/NDF: 1446074813.7/16

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: 4293.150+/-1.755 χ^2/NDF: 2017483461.3/20

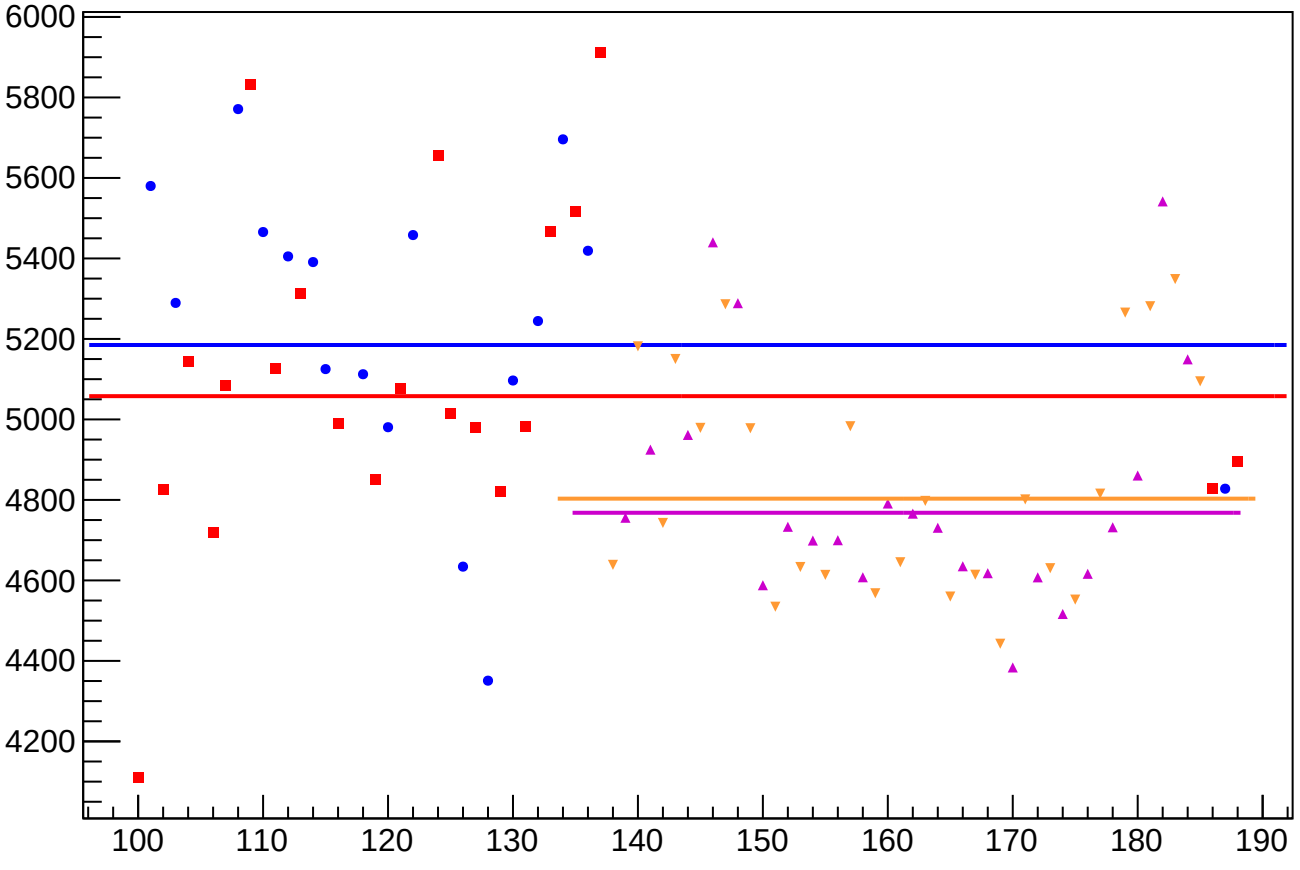
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign 1972.339+/-0.977 χ^2/NDF: 2736639338.6/41

All: -1162.192+/-0.684 χ^2/NDF: 557009559

- sign -4182.387+/-0.959 χ^2/NDF: 2813230124.9/43

yield_bcm_an_diff_rms vs Slug



Right In: 5184.938+/-1.398 χ^2/NDF: 79059.0/16

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

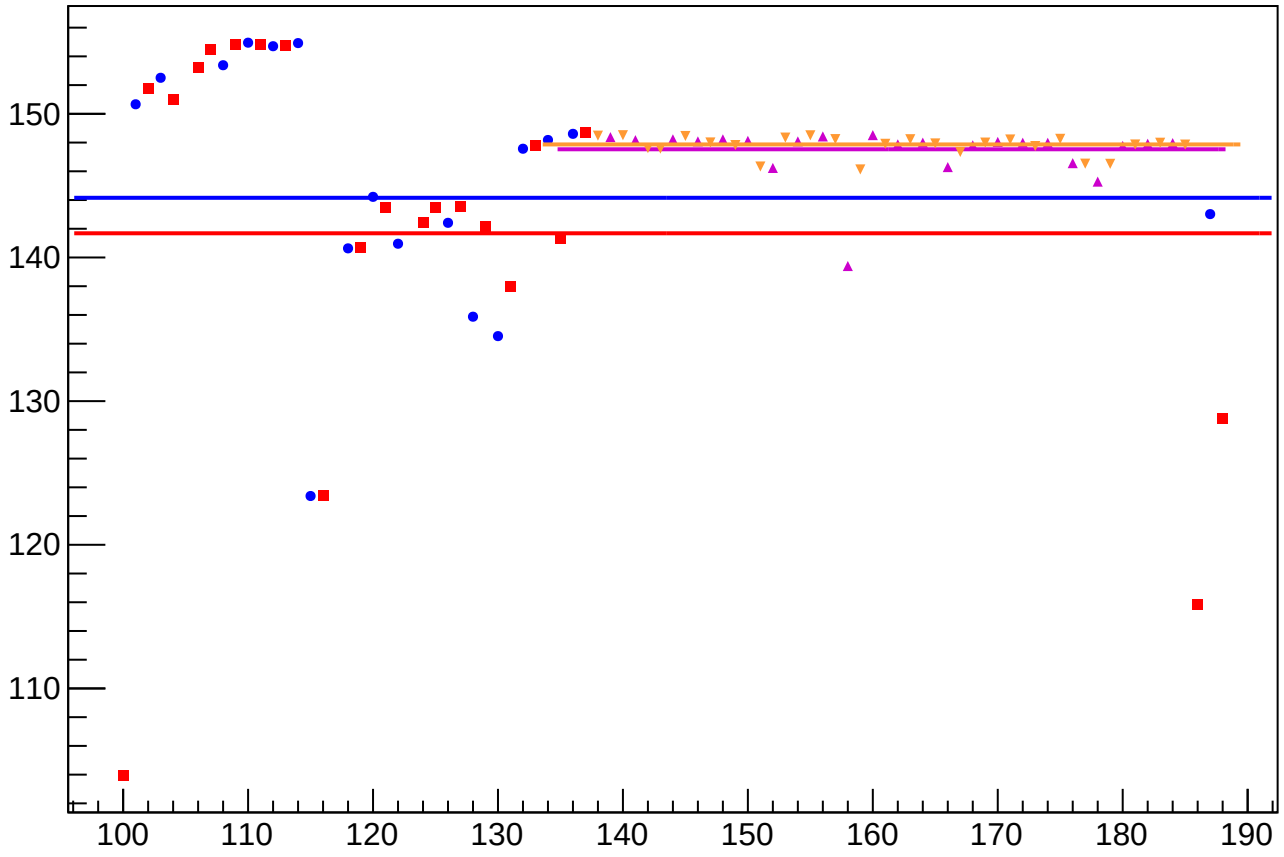
Right Out: 5057.816+/-1.241 χ^2/NDF: 63646.0/20

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

\+ sign 4896.305+/-0.691 χ^2/NDF: 250127.3/41

All: 4875.030+/-0.484 χ^2/NDF: 456248.3/85

\- sign 4854.531+/-0.678 χ^2/NDF: 204257.5/43



Right In: 144.155+/-0.000 χ^2/NDF: 3765934176.8/16

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

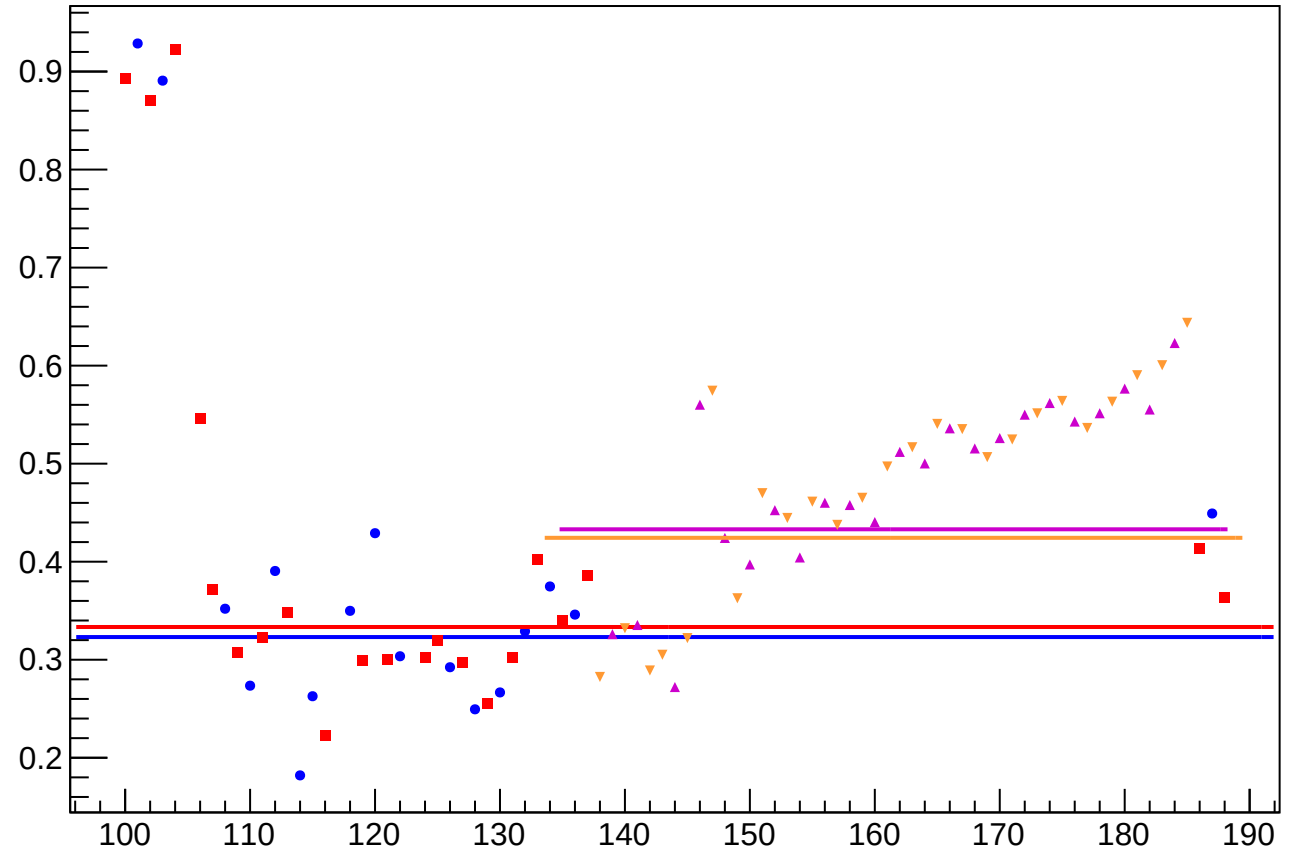
Right Out: 141.685+/-0.000 χ^2/NDF: 7362855292.6/20

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.481+/-0.000 χ^2/NDF: 4315719978.4/41

All: 145.766+/-0.000 χ^2/NDF: 13451656357.

- sign 145.049+/-0.000 χ^2/NDF: 8975613953.1/43



Right In: 0.323+/-0.000 χ^2/NDF: 1423325.5/16

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

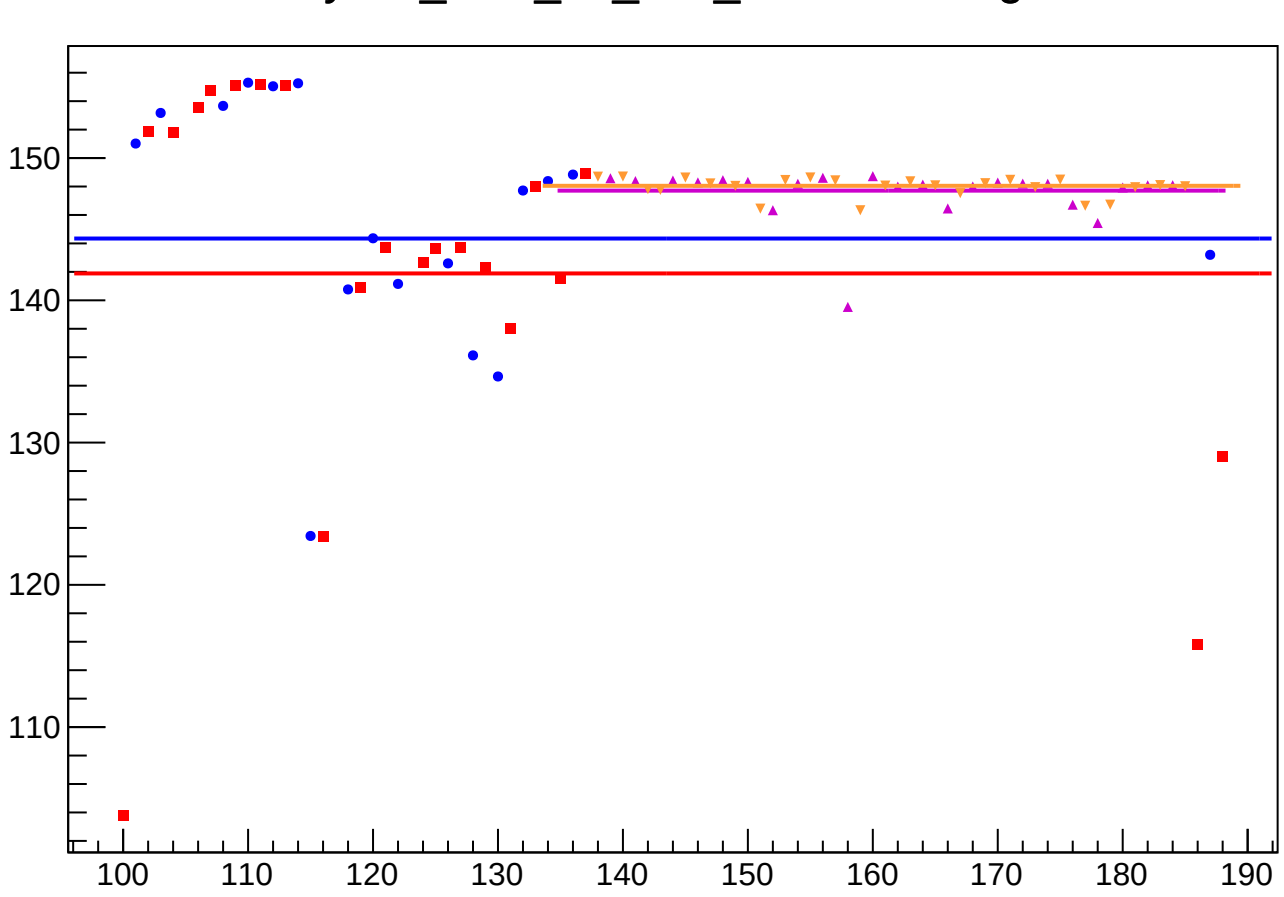
Right Out: 0.333+/-0.000 χ^2/NDF: 1349855.1/20

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.387+/-0.000 χ^2/NDF: 4434589.9/41

All: 0.389+/-0.000 χ^2/NDF: 8316920.5/85

- sign 0.391+/-0.000 χ^2/NDF: 3879545.2/43



Right In: 144.344+/-0.000 χ^2/NDF: 3759729697.1/16

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 141.890+/-0.000 χ^2/NDF: 7301780575.8/20

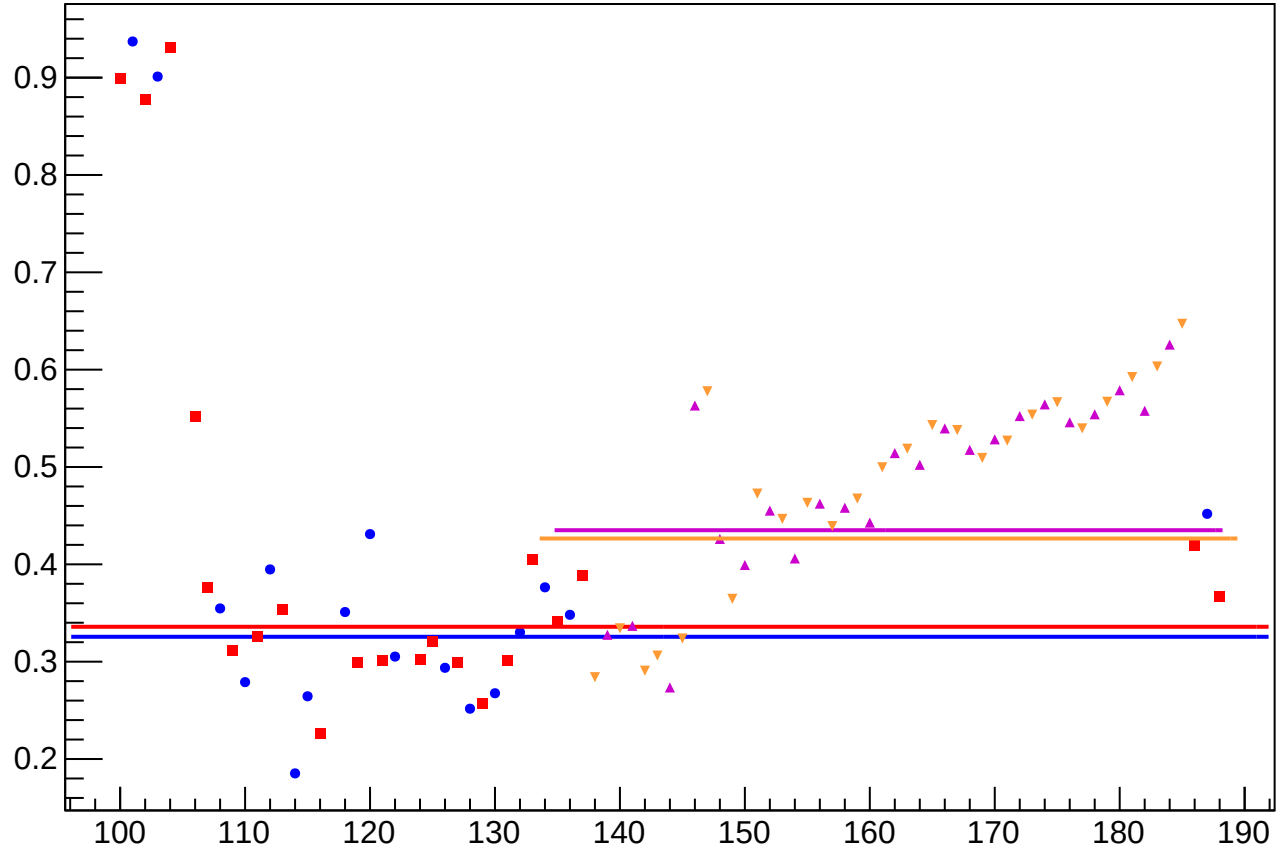
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.668+/-0.000 χ^2/NDF: 4300991422.7/41

All: 145.958+/-0.000 χ^2/NDF: 13348272253.

- sign 145.247+/-0.000 χ^2/NDF: 8891298487.7/43

yield_bcm_an_ds3_rms vs Slug



Right In: 0.326+/-0.000 χ^2/NDF: 1419256.9/16

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

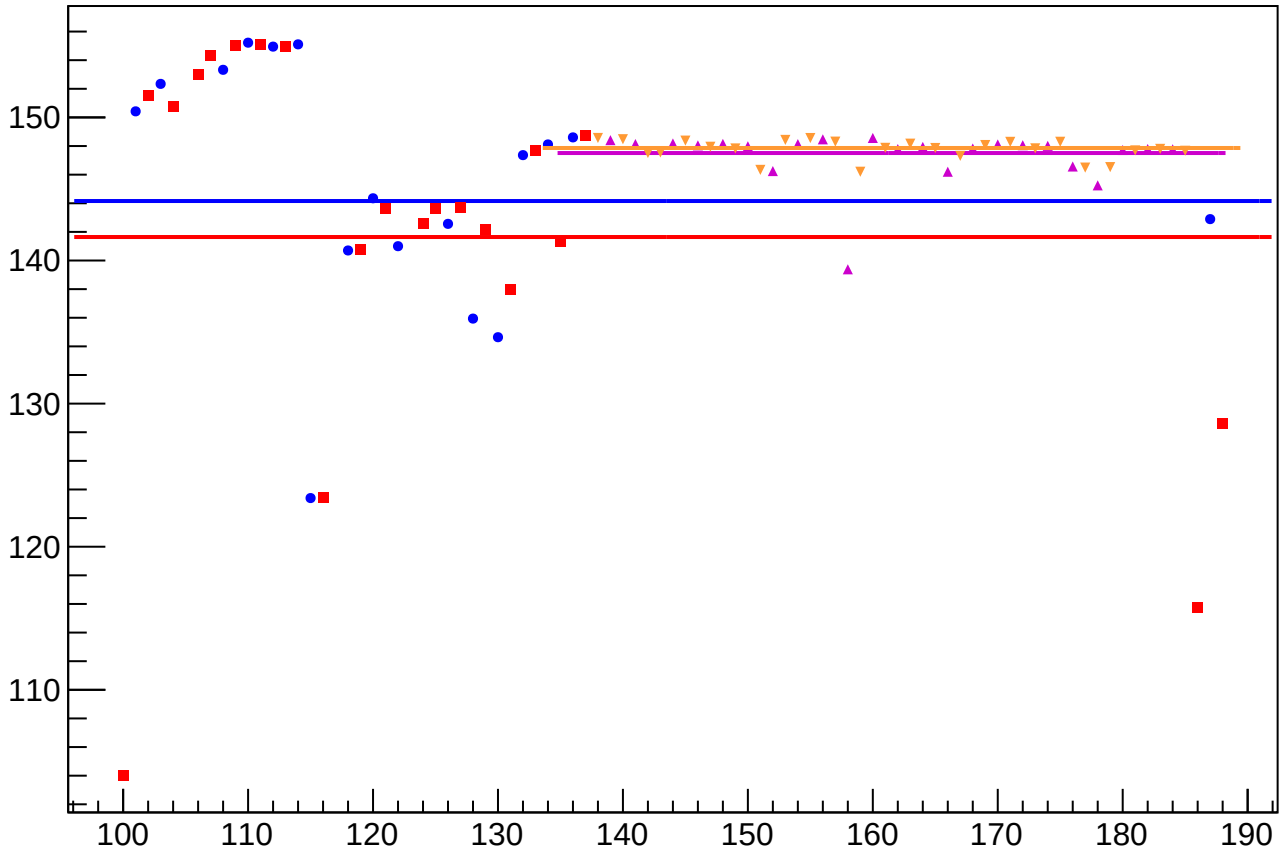
Right Out: 0.336+/-0.000 χ^2/NDF: 1352873.5/20

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.389+/-0.000 χ^2/NDF: 4414200.5/41

All: 0.391+/-0.000 χ^2/NDF: 8281733.0/85

- sign 0.393+/-0.000 χ^2/NDF: 3864843.0/43



Right In: 144.158+/-0.000 χ^2/NDF: 3726102788.8/16

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 141.642+/-0.000 χ^2/NDF: 7391814143.2/20

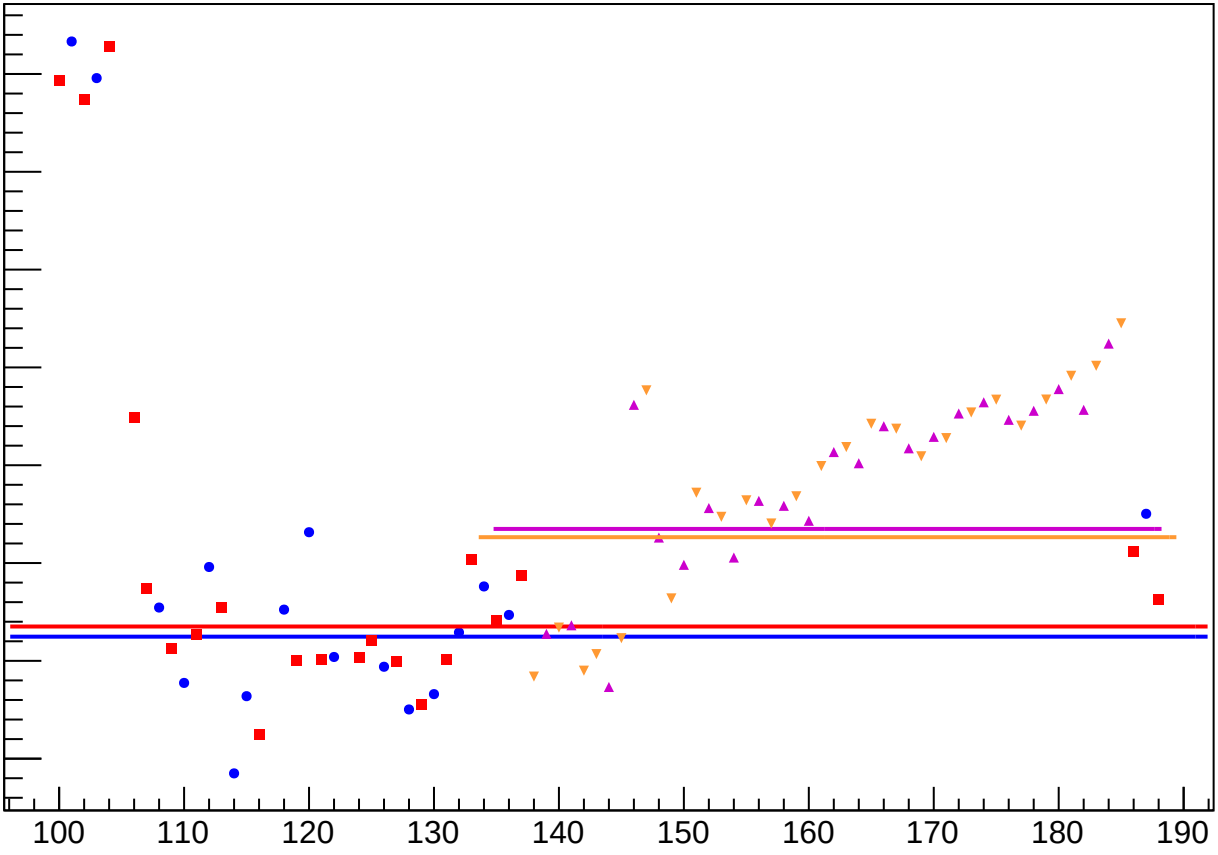
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.479+/-0.000 χ^2/NDF: 4269187482.9/41

All: 145.750+/-0.000 χ^2/NDF: 13435251987.

- sign 145.021+/-0.000 χ^2/NDF: 9001509793.5/43

yield_bcm_an_us_rms vs Slug



Right In: 0.325+/-0.000 χ^2/NDF: 1422784.2/16

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

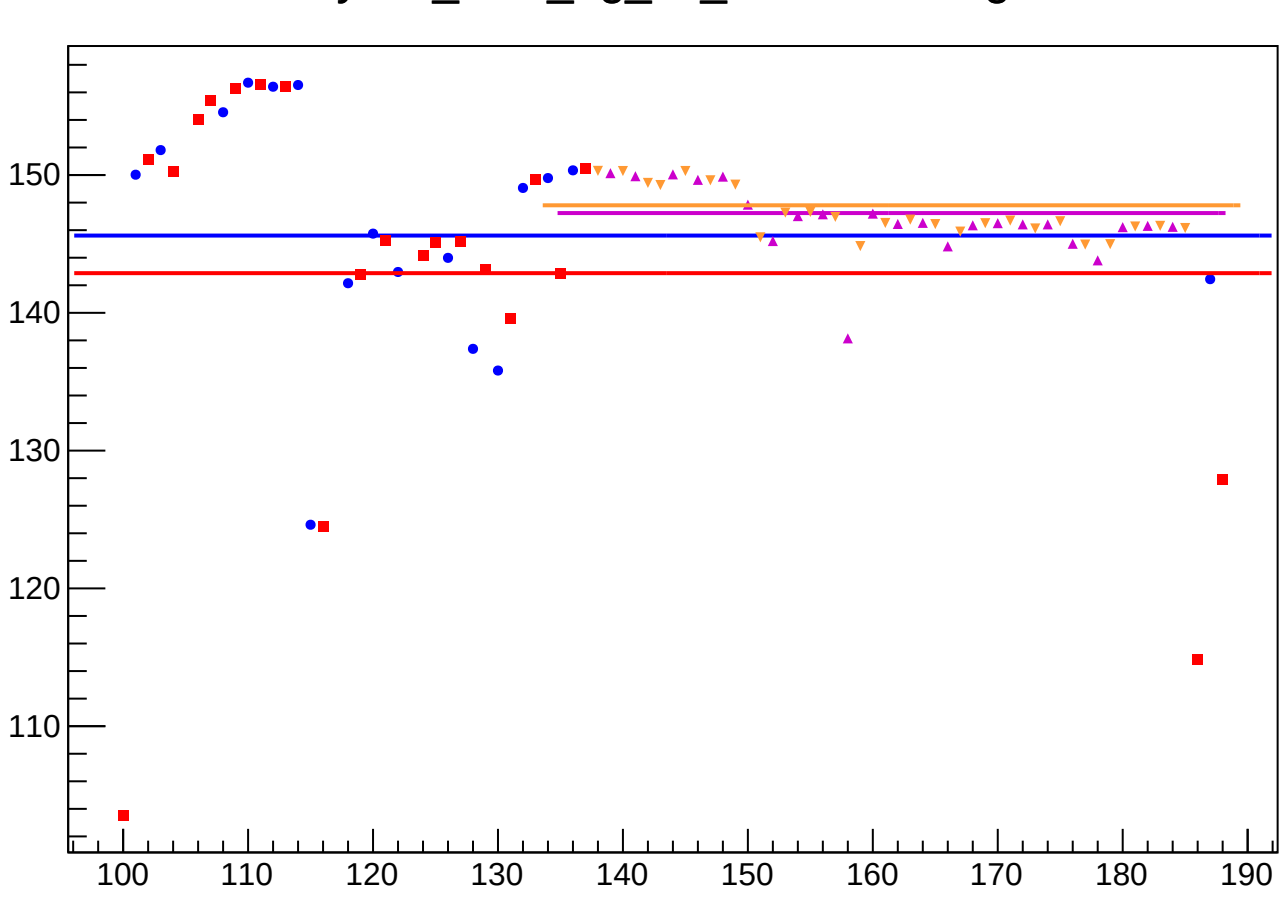
Right Out: 0.335+/-0.000 χ^2/NDF: 1346786.9/20

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.388+/-0.000 χ^2/NDF: 4432048.9/41

All: 0.390+/-0.000 χ^2/NDF: 8309653.5/85

- sign 0.393+/-0.000 χ^2/NDF: 3874952.1/43



Right In: 145.608+/-0.000 χ^2/NDF: 3489735029.8/16

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

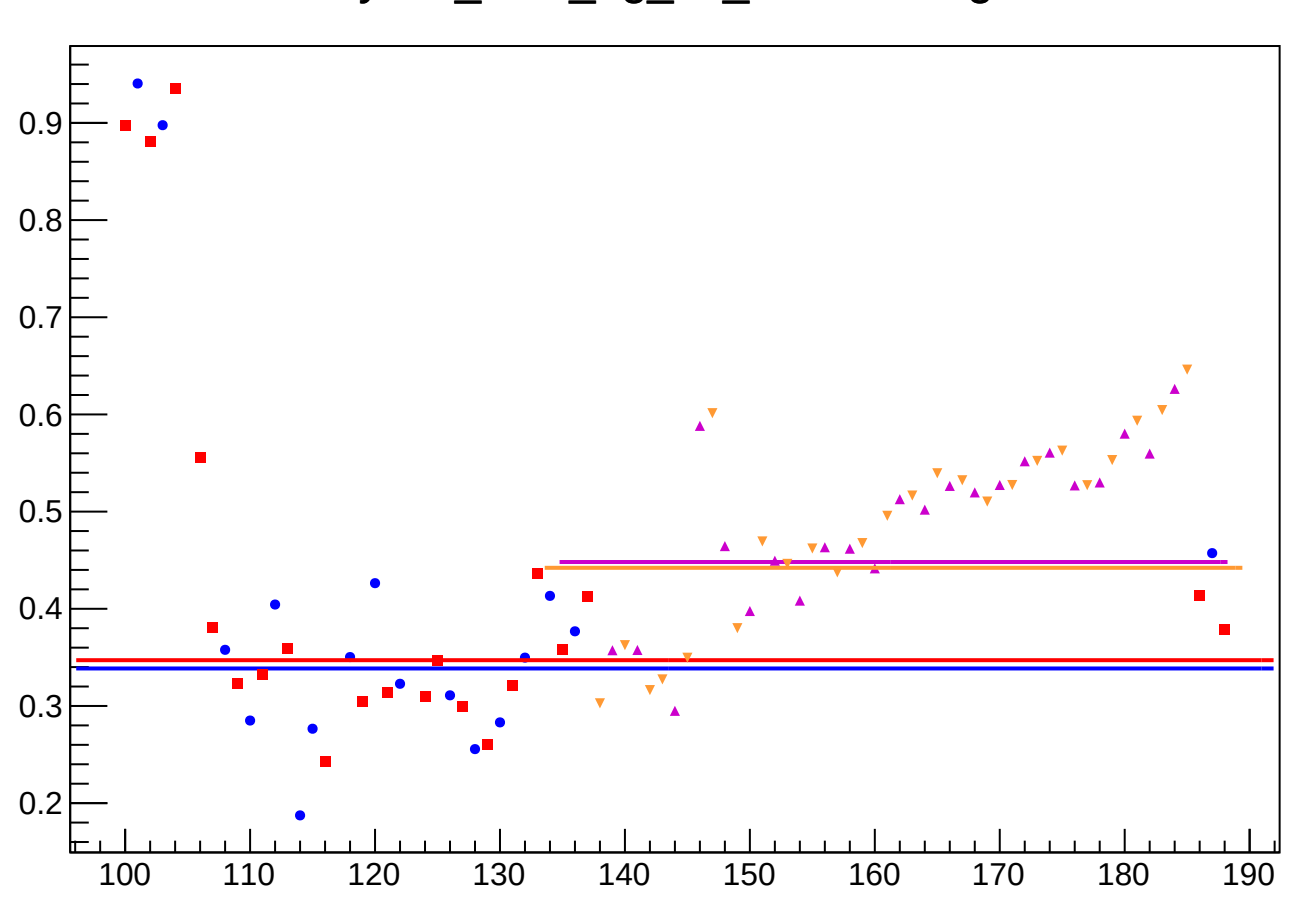
Right Out: 142.879+/-0.000 χ^2/NDF: 7565030123.0/20

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.996+/-0.000 χ^2/NDF: 3979154676.3/41

All: 146.202+/-0.000 χ^2/NDF: 13021421508.

- sign 145.416+/-0.000 χ^2/NDF: 8860611230.3/43



Right In: 0.339+/-0.000 χ^2/NDF: 1393698.9/16

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.347+/-0.000 χ^2/NDF: 1312492.5/20

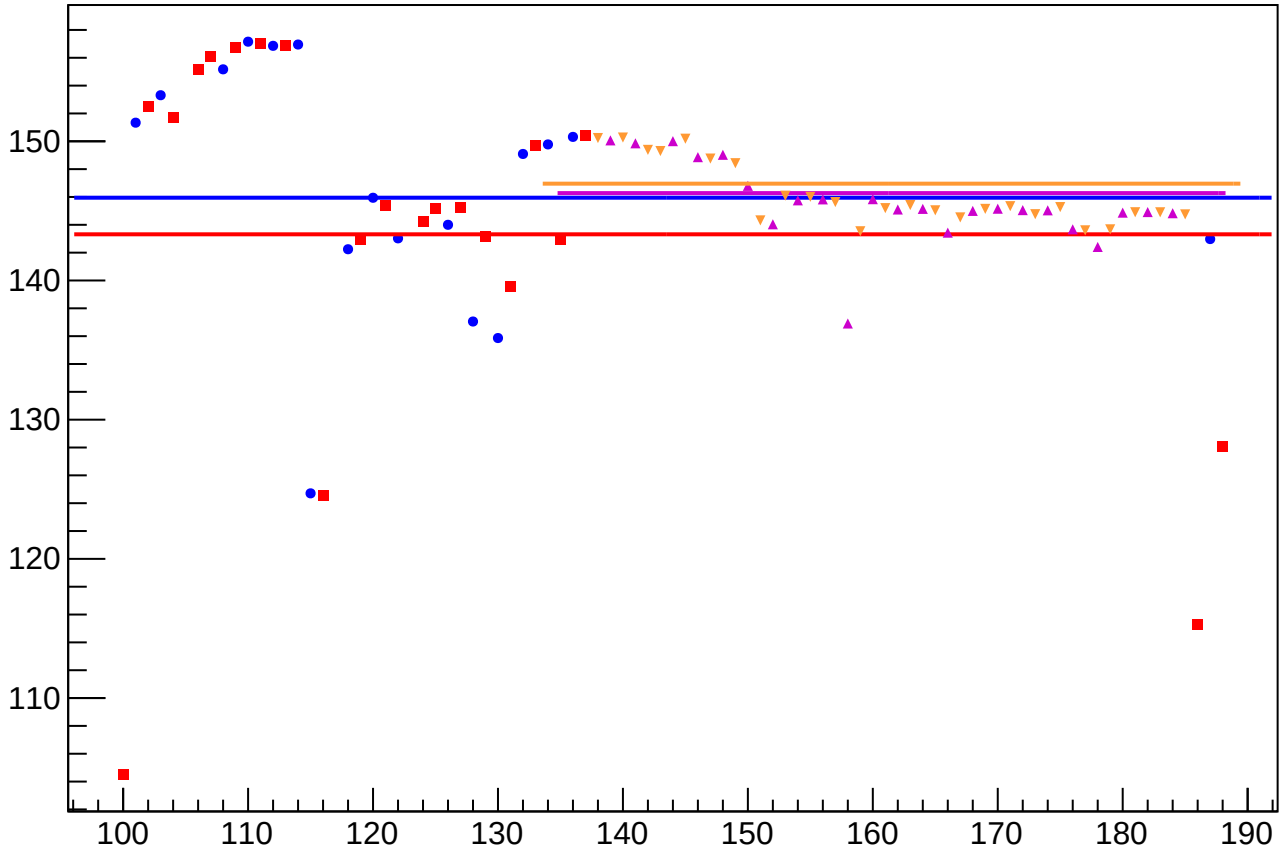
Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.404+/-0.000 χ^2/NDF: 3820236.2/41

All: 0.405+/-0.000 χ^2/NDF: 7207416.1/85

- sign 0.406+/-0.000 χ^2/NDF: 3386701.6/43

yield_bcm_dg_ds_mean vs Slug



Right In: 145.948+/-0.000 χ^2/NDF: 3628615484.9/16

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

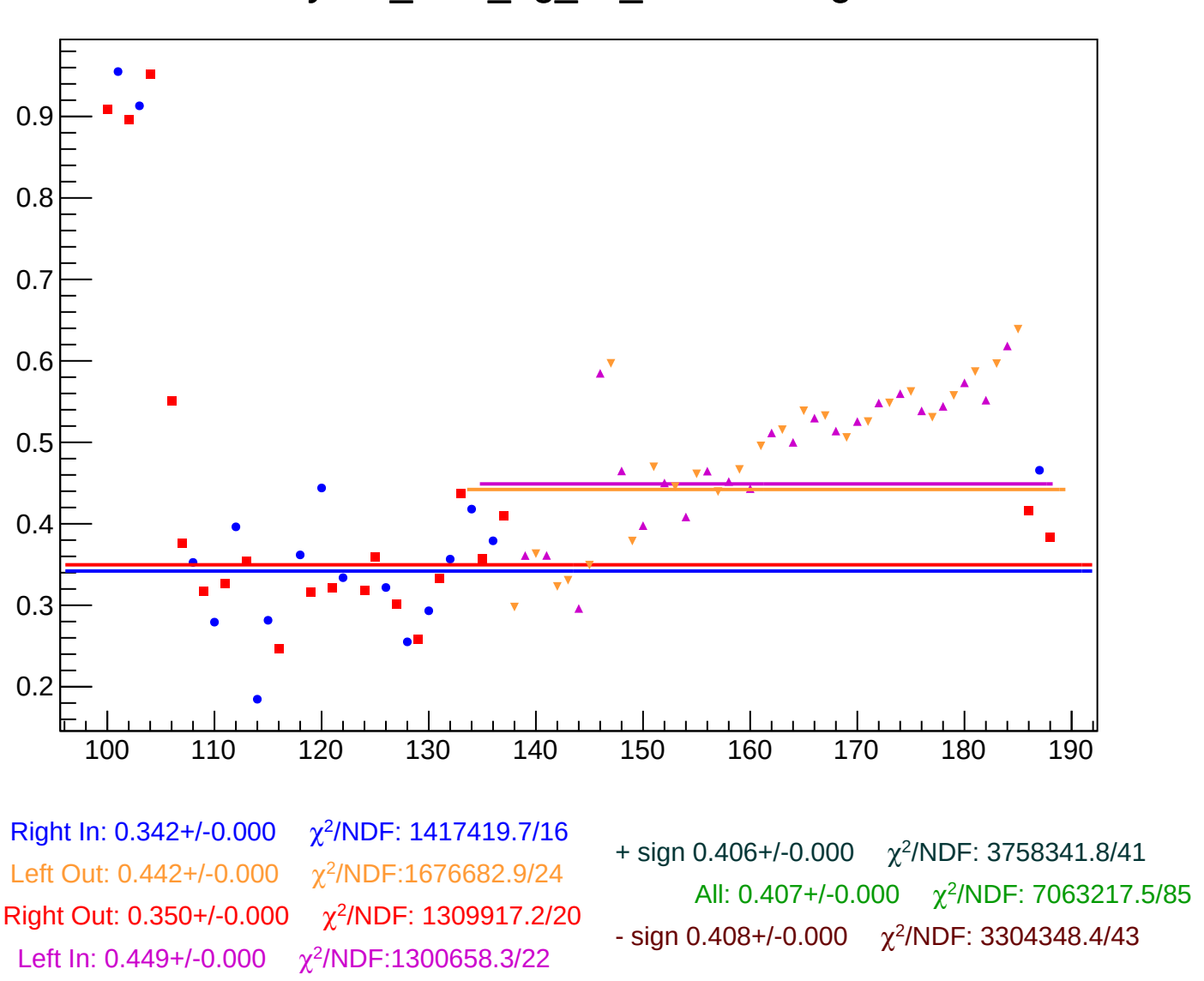
Right Out: 143.317+/-0.000 χ^2/NDF: 7649370914.2/20

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

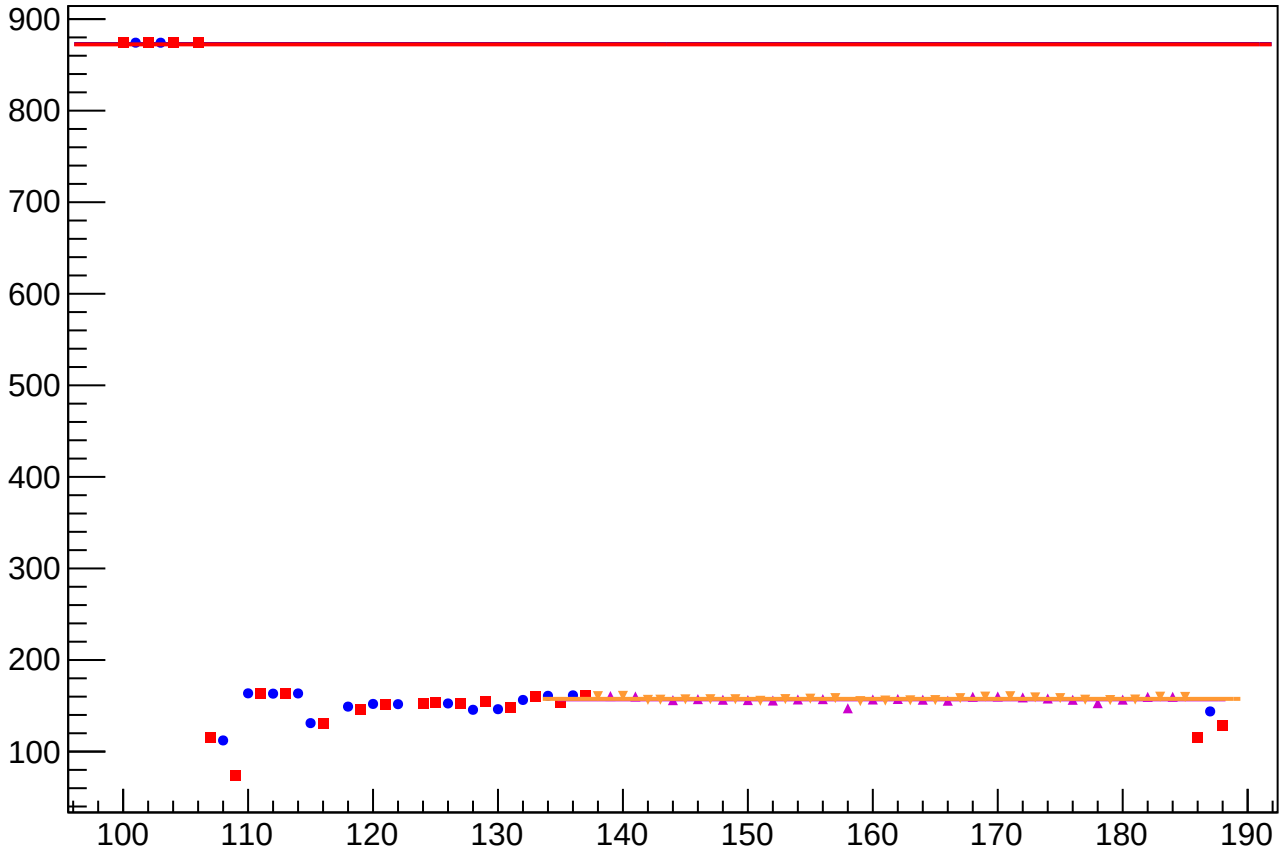
+ sign 146.590+/-0.000 χ^2/NDF: 4205125863.6/41

All: 145.816+/-0.000 χ^2/NDF: 13159360845.

- sign 145.049+/-0.000 χ^2/NDF: 8782942975.6/43


yield_bcm_dg_ds_rms vs Slug
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.342+/-0.000 χ²/NDF: 1417419.7/16
Left Out: 0.442+/-0.000 χ²/NDF:1676682.9/24
Right Out: 0.350+/-0.000 χ²/NDF: 1309917.2/20
Left In: 0.449+/-0.000 χ²/NDF:1300658.3/22
+ sign 0.406+/-0.000 χ²/NDF: 3758341.8/41
All: 0.407+/-0.000 χ²/NDF: 7063217.5/85
- sign 0.408+/-0.000 χ²/NDF: 3304348.4/43

yield_cav4bQ_mean vs Slug



Right In: 872.802+/-0.000 χ^2/NDF: 7293515129965.8/16

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 872.402+/-0.000 χ^2/NDF: 10845592962660.7/20

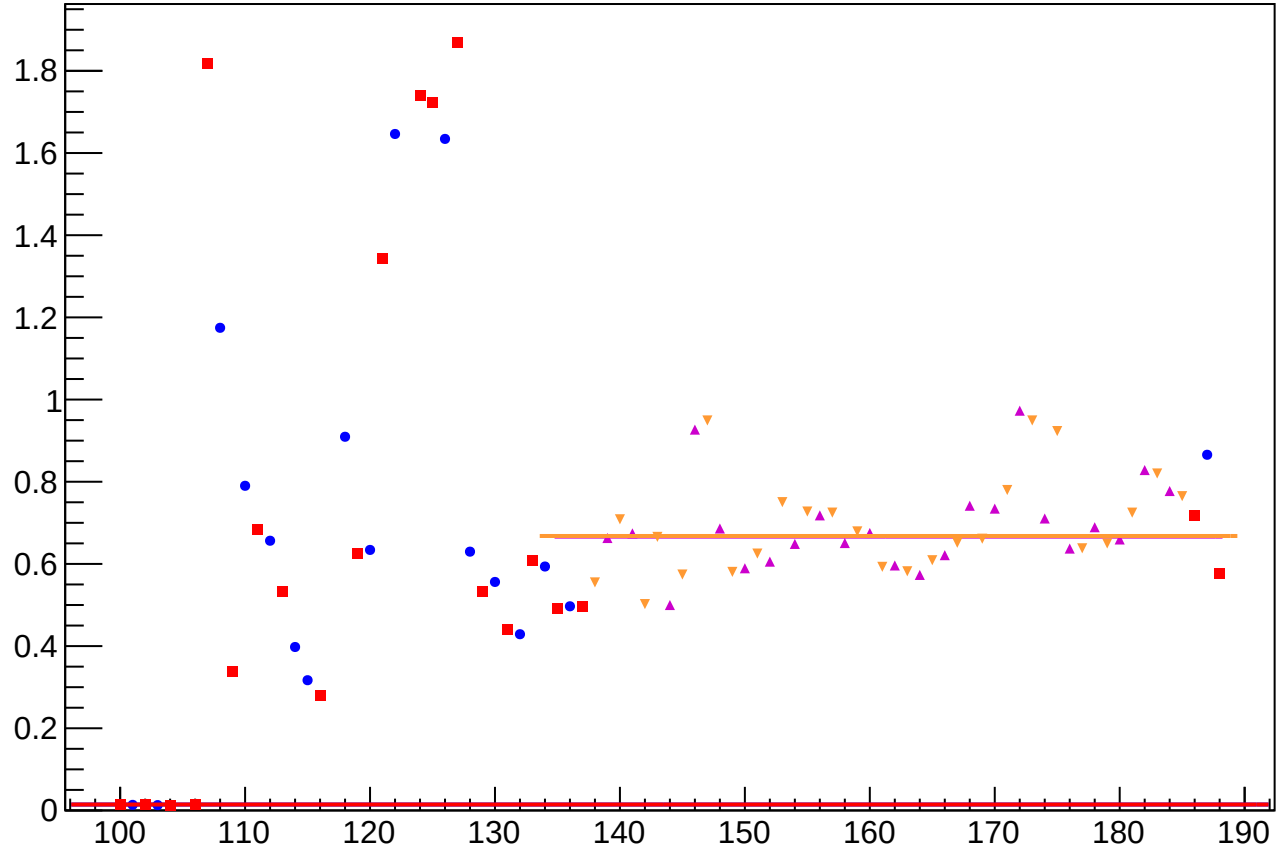
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 869.417+/-0.000 χ^2/NDF: 24543691235518.

All: 869.509+/-0.000 χ^2/NDF: 519106317763

- sign 869.590+/-0.000 χ^2/NDF: 27366826453656.2

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9900416.9/16

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.014+/-0.000 χ^2/NDF: 11515835.2/20

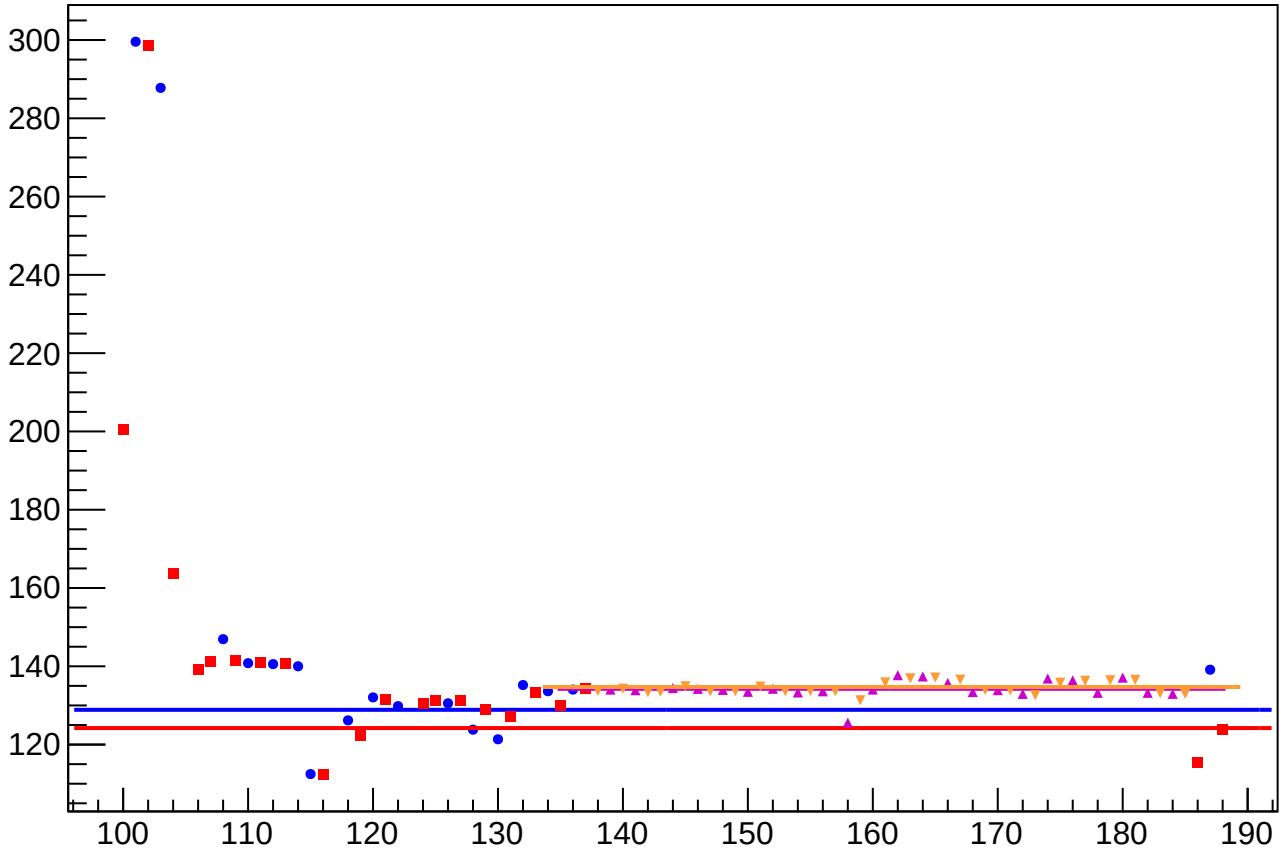
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.017+/-0.000 χ^2/NDF: 39389699.7/41

All: 0.017+/-0.000 χ^2/NDF: 78889799.0/85

- sign 0.017+/-0.000 χ^2/NDF: 39498347.2/43

yield_cav4cQ_mean vs Slug



Right In: 128.883+/-0.000 χ^2/NDF: 1681580189.4/16

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 124.222+/-0.000 χ^2/NDF: 1483716148.2/20

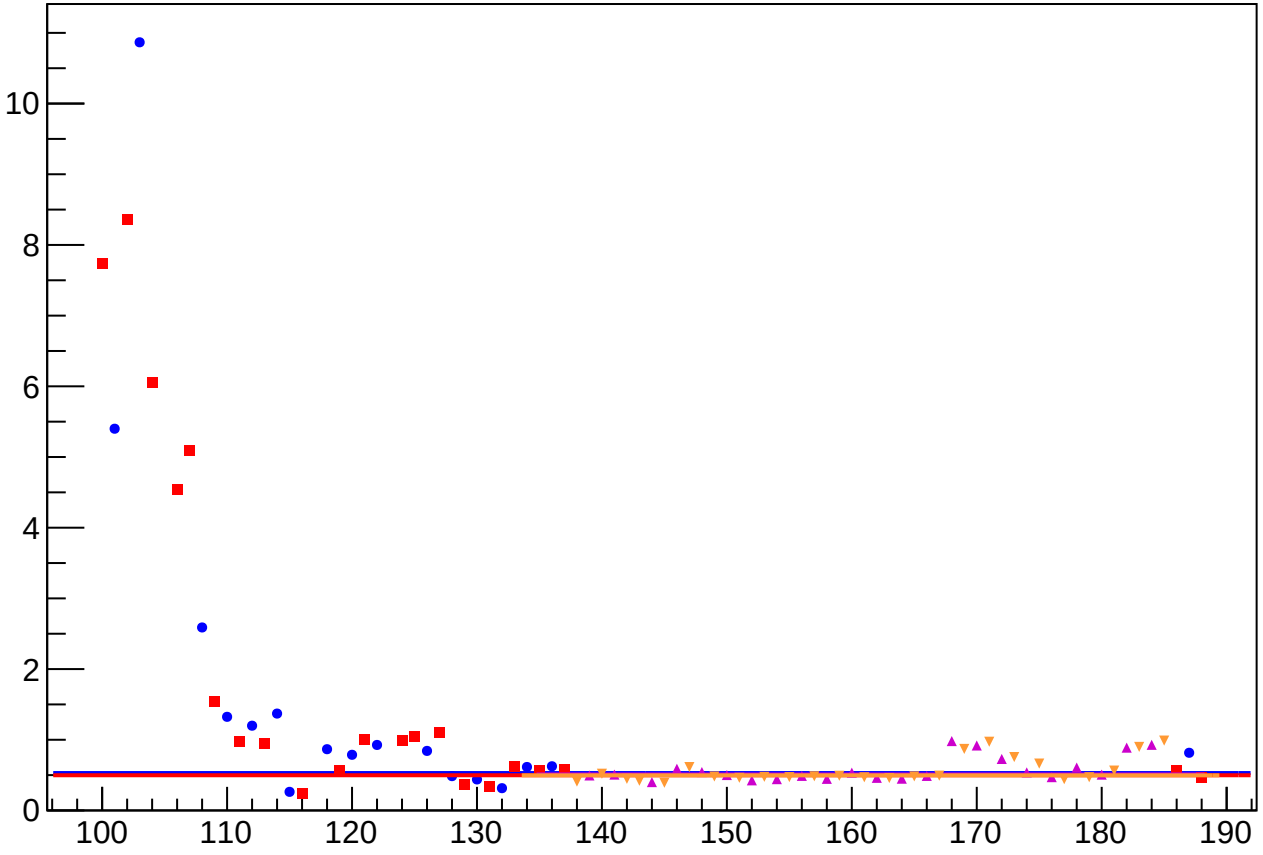
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 133.729+/-0.000 χ^2/NDF: 2225826448.3/41

All: 132.812+/-0.000 χ^2/NDF: 5723753930.5

- sign 131.880+/-0.000 χ^2/NDF: 3361547788.5/43

yield_cav4cQ_rms vs Slug



Right In: 0.529+/-0.000 χ^2/NDF: 4178233.5/16

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.498+/-0.000 χ^2/NDF: 4899972.8/20

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.502+/-0.000 χ^2/NDF: 5774246.6/41

All: 0.505+/-0.000 χ^2/NDF: 12165136.8/85

- sign 0.507+/-0.000 χ^2/NDF: 6389274.5/43

yield_cav4dQ_mean vs Slug

Right In: 1837.762+/-0.000 χ^2/NDF: 147871291328152.1/16

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1847.526+/-0.000 χ^2/NDF: 164150797563574.0/20

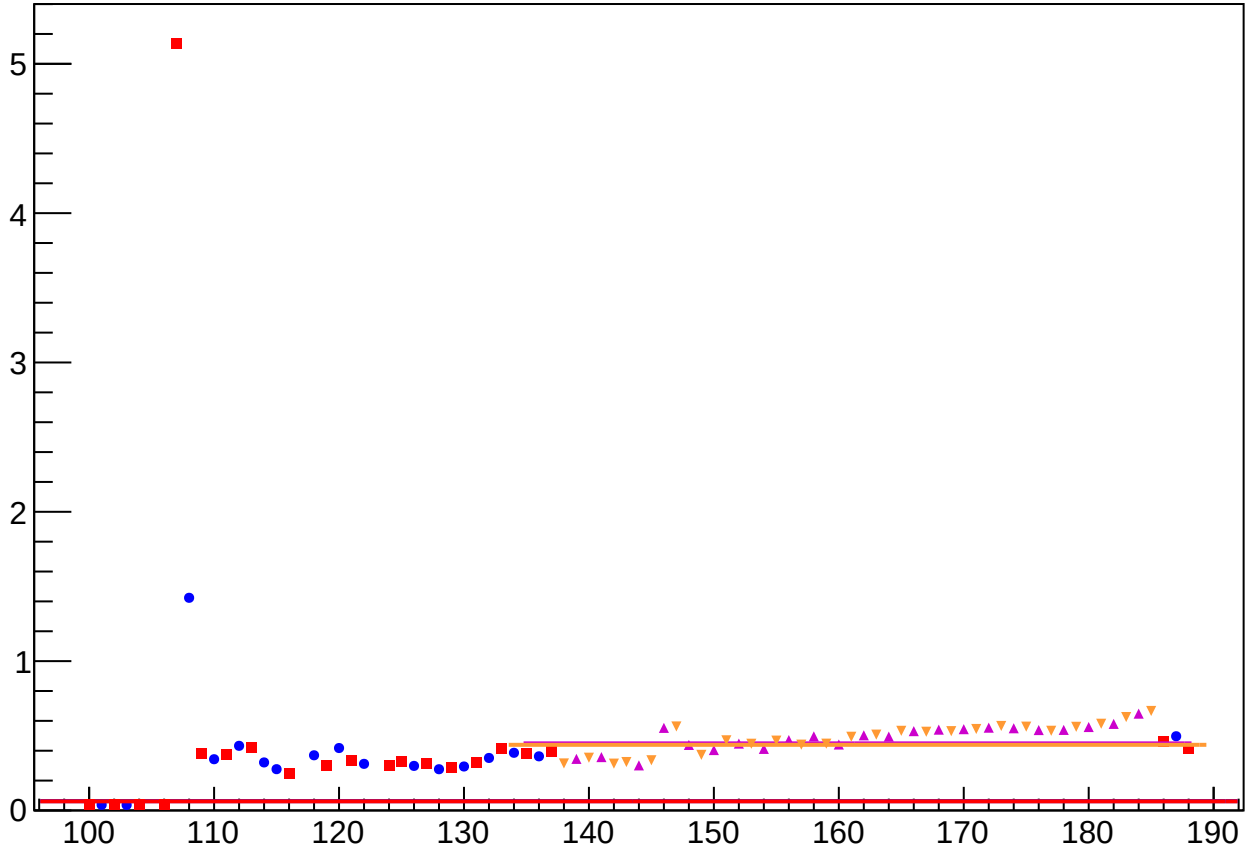
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1599.976+/-0.000 χ^2/NDF: 37871721102942

All: 1629.844+/-0.000 χ^2/NDF: 7644305702

- sign 1656.004+/-0.000 χ^2/NDF: 38460247762899

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8430755.1/16

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

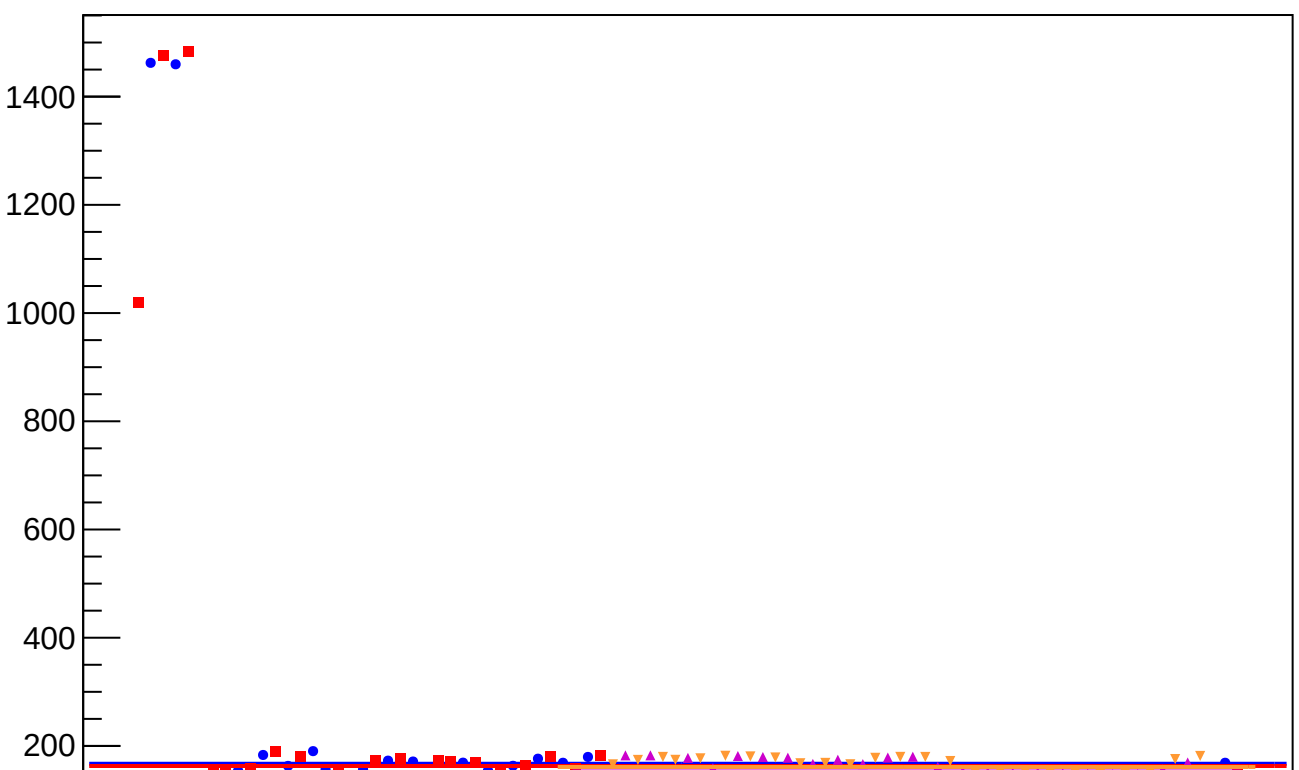
Right Out: 0.061+/-0.000 χ^2/NDF: 9665292.0/20

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.115+/-0.000 χ^2/NDF: 32929322.9/41

All: 0.110+/-0.000 χ^2/NDF: 66715112.5/85

- sign 0.105+/-0.000 χ^2/NDF: 33709217.3/43



Right In: 167.074+/-0.000 χ^2/NDF: 14615560472.6/16

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 162.943+/-0.000 χ^2/NDF: 17303429949.2/20

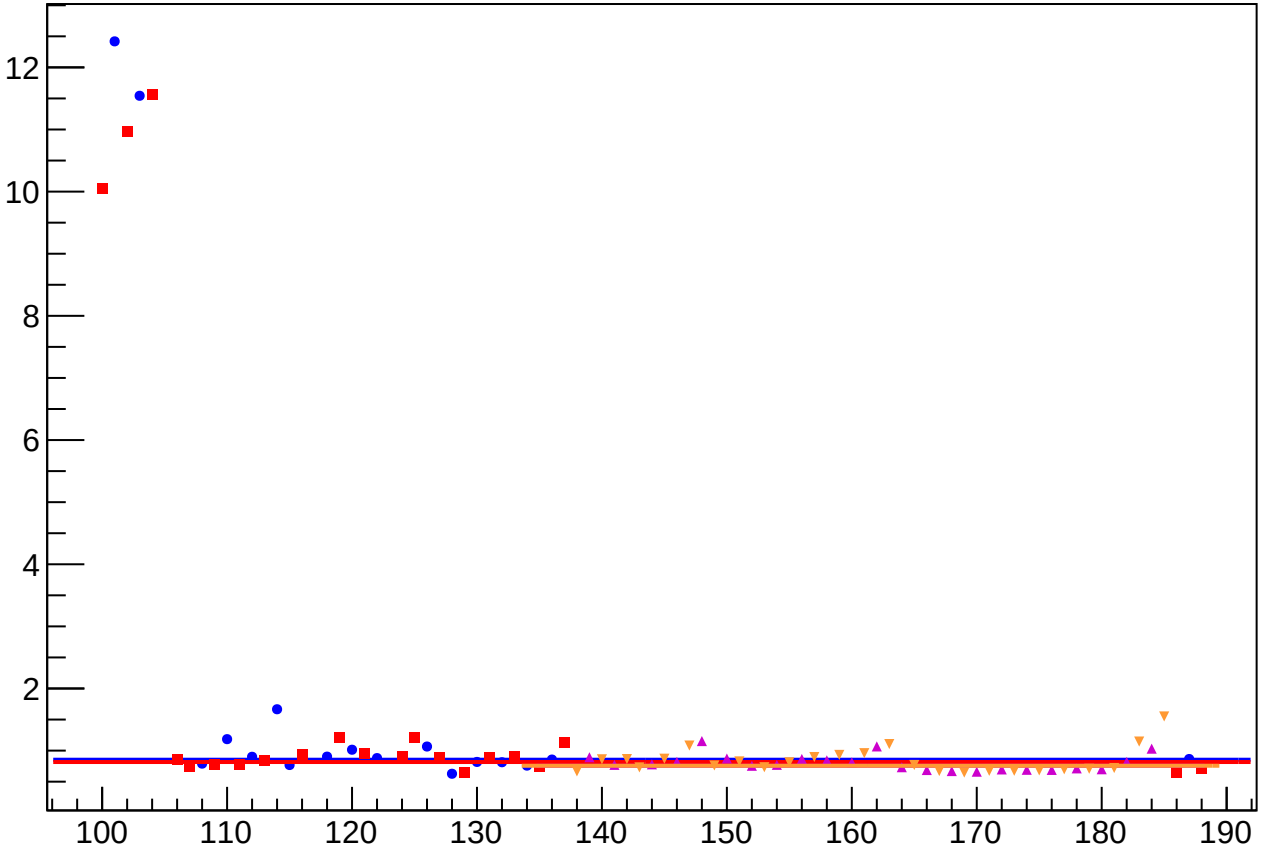
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 162.227+/-0.000 χ^2/NDF: 18511468332.2/41

All: 161.510+/-0.000 χ^2/NDF: 39628540127.

- sign 160.821+/-0.000 χ^2/NDF: 21086874588.8/43

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302341.7/16

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

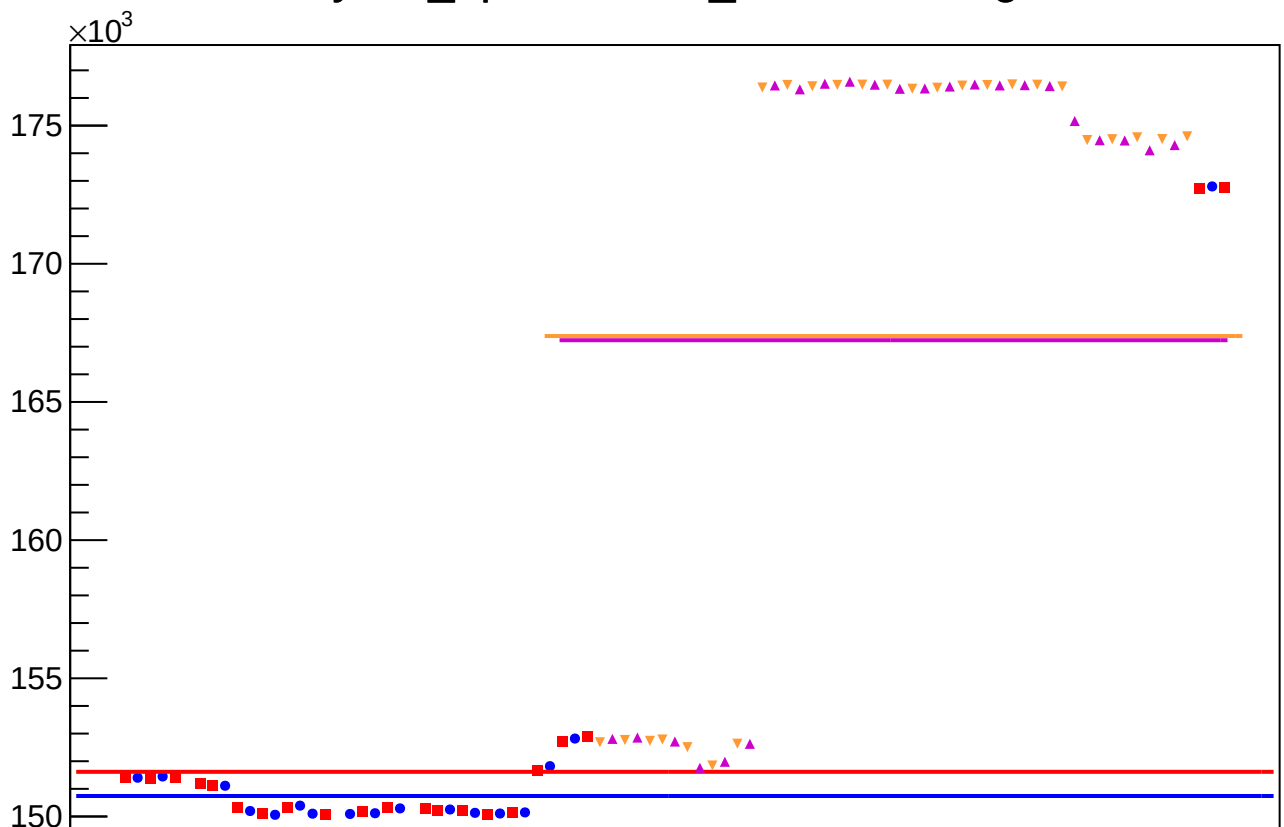
Right Out: 0.816+/-0.000 χ^2/NDF: 2301023.3/20

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.774+/-0.000 χ^2/NDF: 3136643.4/41

All: 0.772+/-0.000 χ^2/NDF: 5953290.7/85

- sign 0.770+/-0.000 χ^2/NDF: 2816216.6/43



Right In: 150741.657+/-0.054 χ^2/NDF: 1526841817.7/16

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 151616.751+/-0.050 χ^2/NDF: 9203628484.8/20

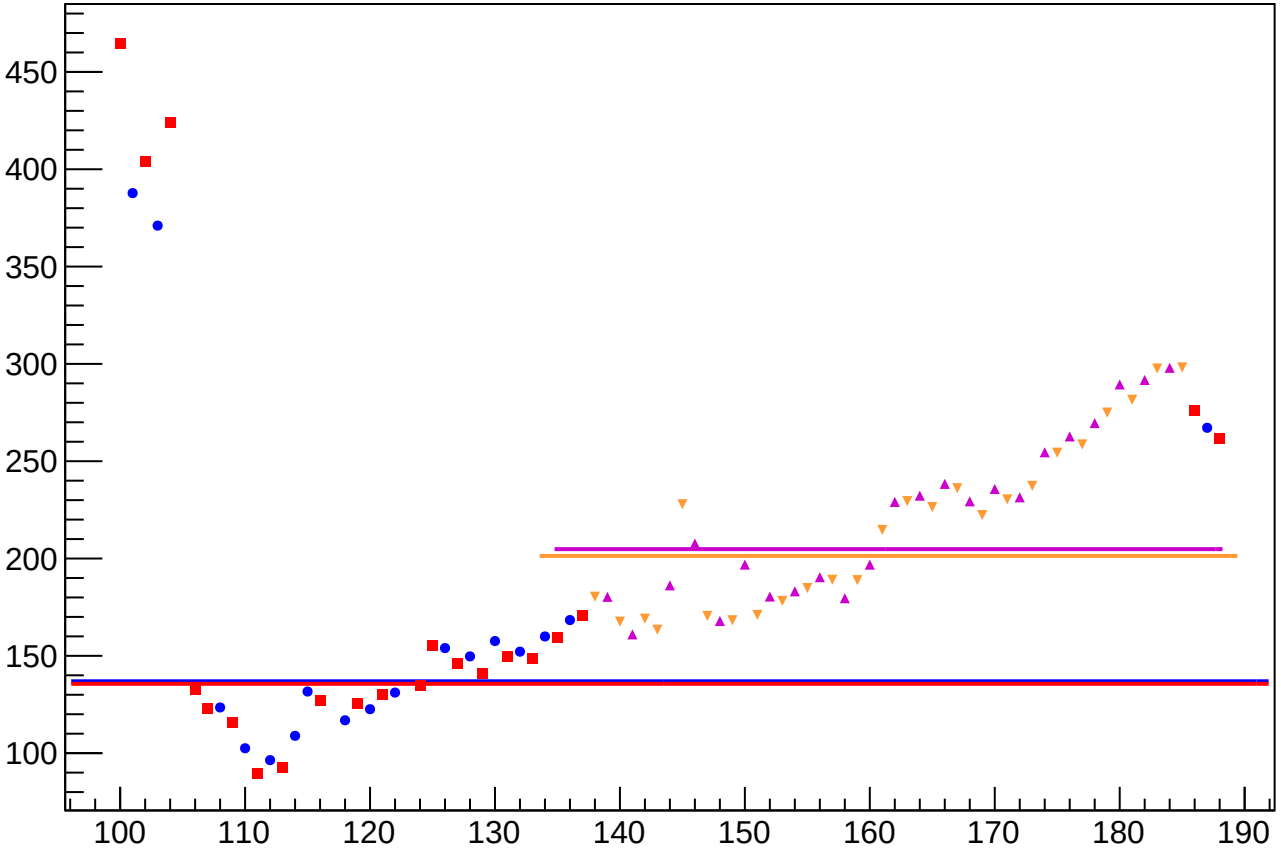
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160317.887+/-0.035 χ^2/NDF: 11499202903

All: 159935.478+/-0.025 χ^2/NDF: 2296704

- sign 159565.540+/-0.035 χ^2/NDF: 114449489382

yield_bpm2i01WS_rms vs Slug



Right In: 136.918+/-0.038 χ^2/NDF: 1506282.4/16

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

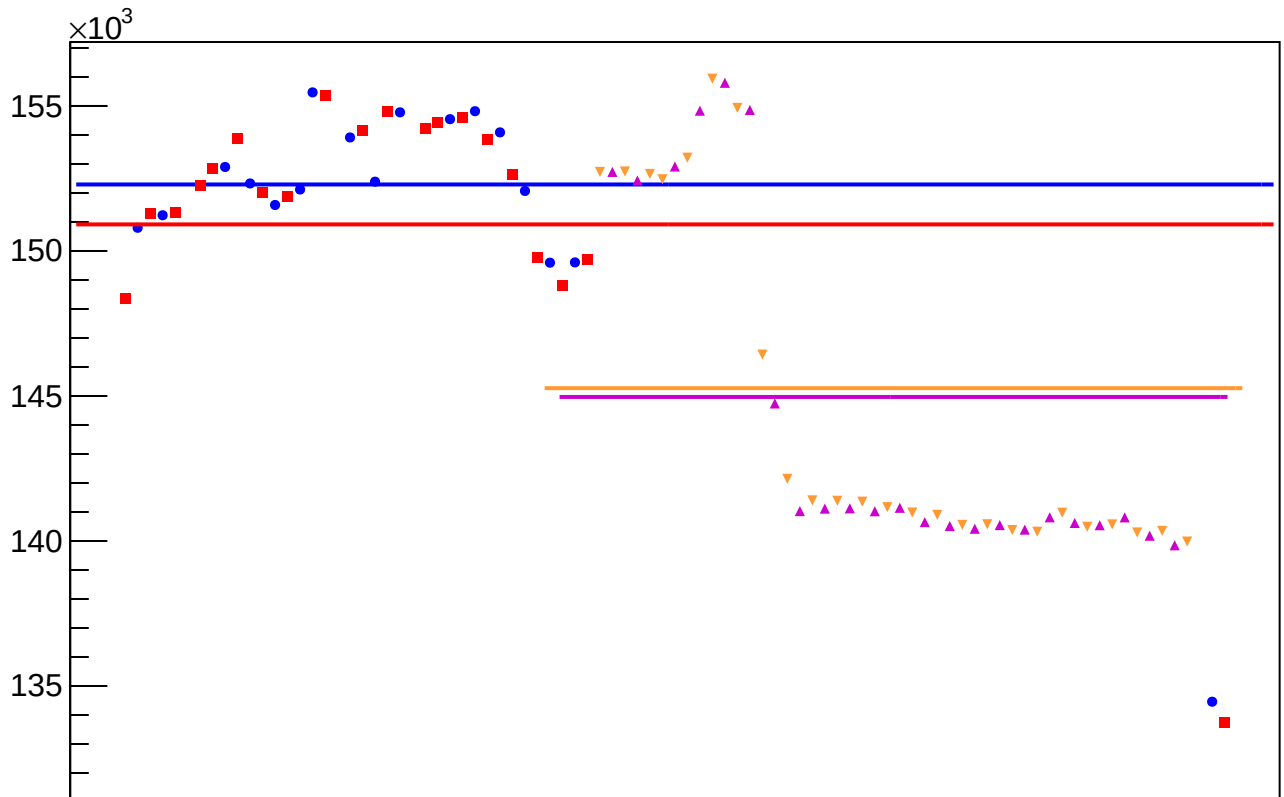
Right Out: 135.630+/-0.035 χ^2/NDF: 2299519.4/20

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 173.977+/-0.025 χ^2/NDF: 4350280.4/41

All: 172.387+/-0.018 χ^2/NDF: 9679672.1/85

- sign 170.849+/-0.025 χ^2/NDF: 5321472.4/43



Right In: 152293.423+/-0.072 χ^2/NDF: 1524114229.4/16

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 150917.021+/-0.063 χ^2/NDF: 9299088405.1/20

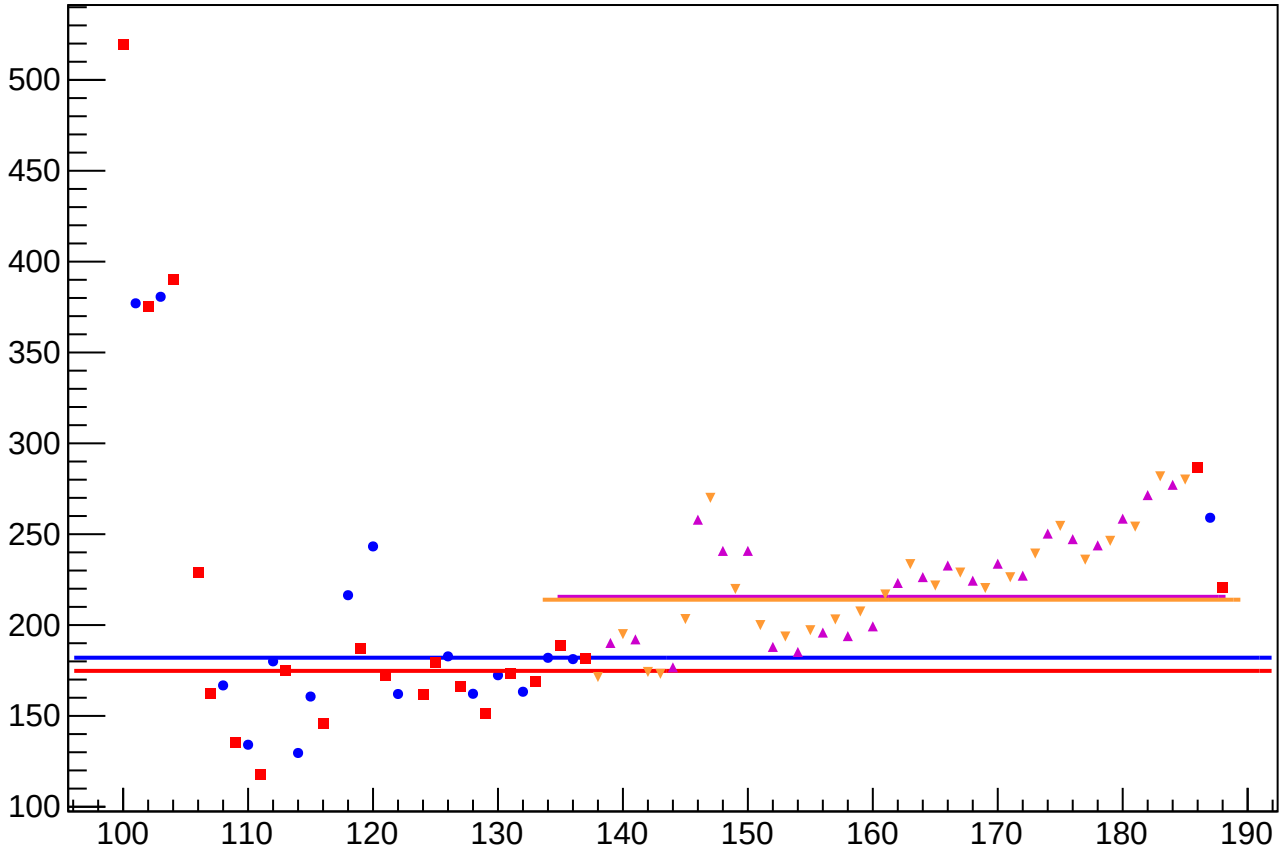
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 147512.708+/-0.041 χ^2/NDF: 21688754935.4

All: 147413.466+/-0.028 χ^2/NDF: 49492757

- sign 147318.695+/-0.040 χ^2/NDF: 27792423555.7

yield_bpm0i07WS_rms vs Slug



Right In: 182.033+/-0.051 χ^2/NDF: 940181.3/16

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

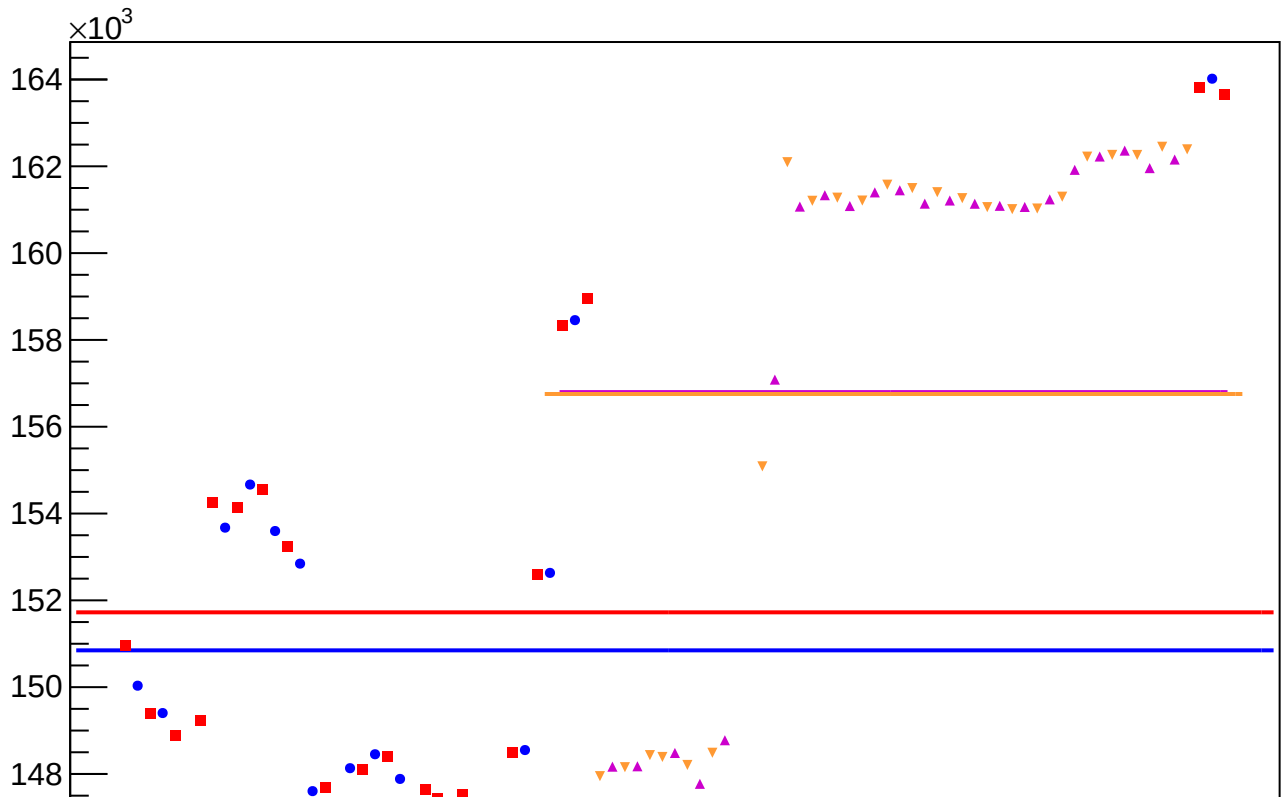
Right Out: 174.781+/-0.045 χ^2/NDF: 1314837.0/20

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 203.759+/-0.029 χ^2/NDF: 1857545.7/41

All: 201.543+/-0.020 χ^2/NDF: 4285442.2/85

- sign 199.427+/-0.028 χ^2/NDF: 2416334.2/43



Right In: 150848.010+/-0.063 χ^2/NDF: 3669038207.5/16

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 151723.857+/-0.058 χ^2/NDF: 5767040452.2/20

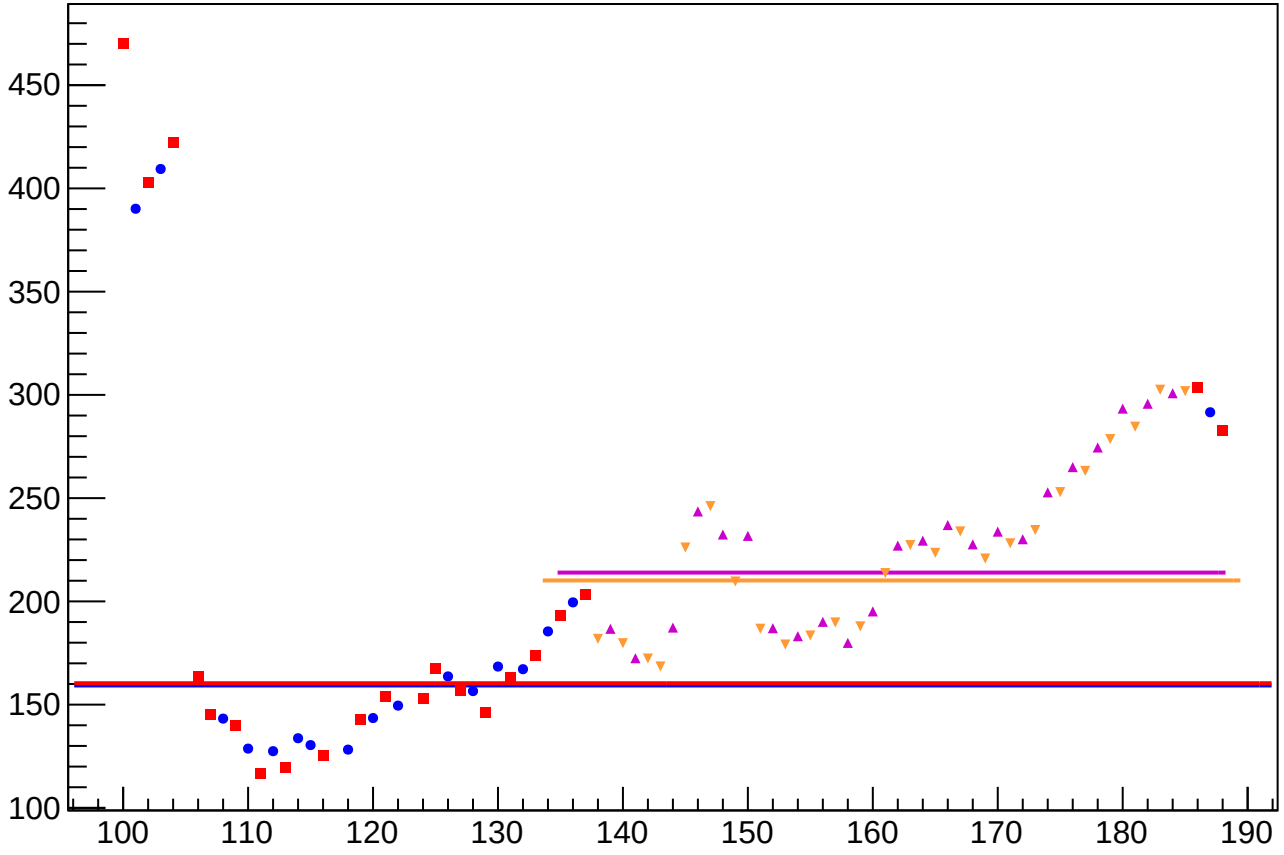
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 154532.050+/-0.038 χ^2/NDF: 25597602014.

All: 154567.732+/-0.027 χ^2/NDF: 50000074

- sign 154603.354+/-0.038 χ^2/NDF: 24400748411.

yield_bpm0i01WS_rms vs Slug



Right In: 159.290+/-0.044 χ^2/NDF: 1273442.3/16

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

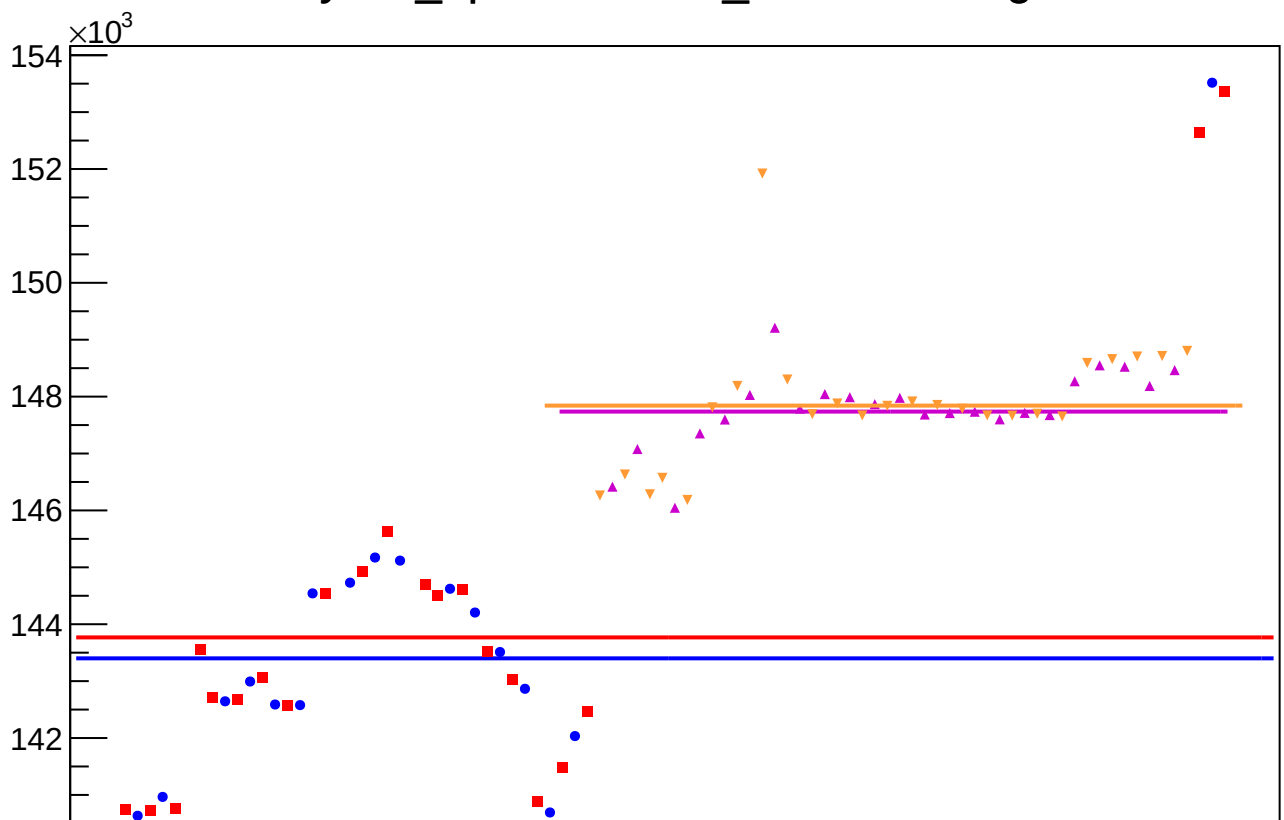
Right Out: 160.371+/-0.041 χ^2/NDF: 1832487.4/20

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 191.009+/-0.027 χ^2/NDF: 3093760.0/41

All: 190.891+/-0.019 χ^2/NDF: 6797136.2/85

- sign 190.773+/-0.027 χ^2/NDF: 3703338.5/43



Right In: 143400.230+/-0.053 χ^2/NDF: 850448359.9/16

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 143768.244+/-0.048 χ^2/NDF: 2545385884.3/20

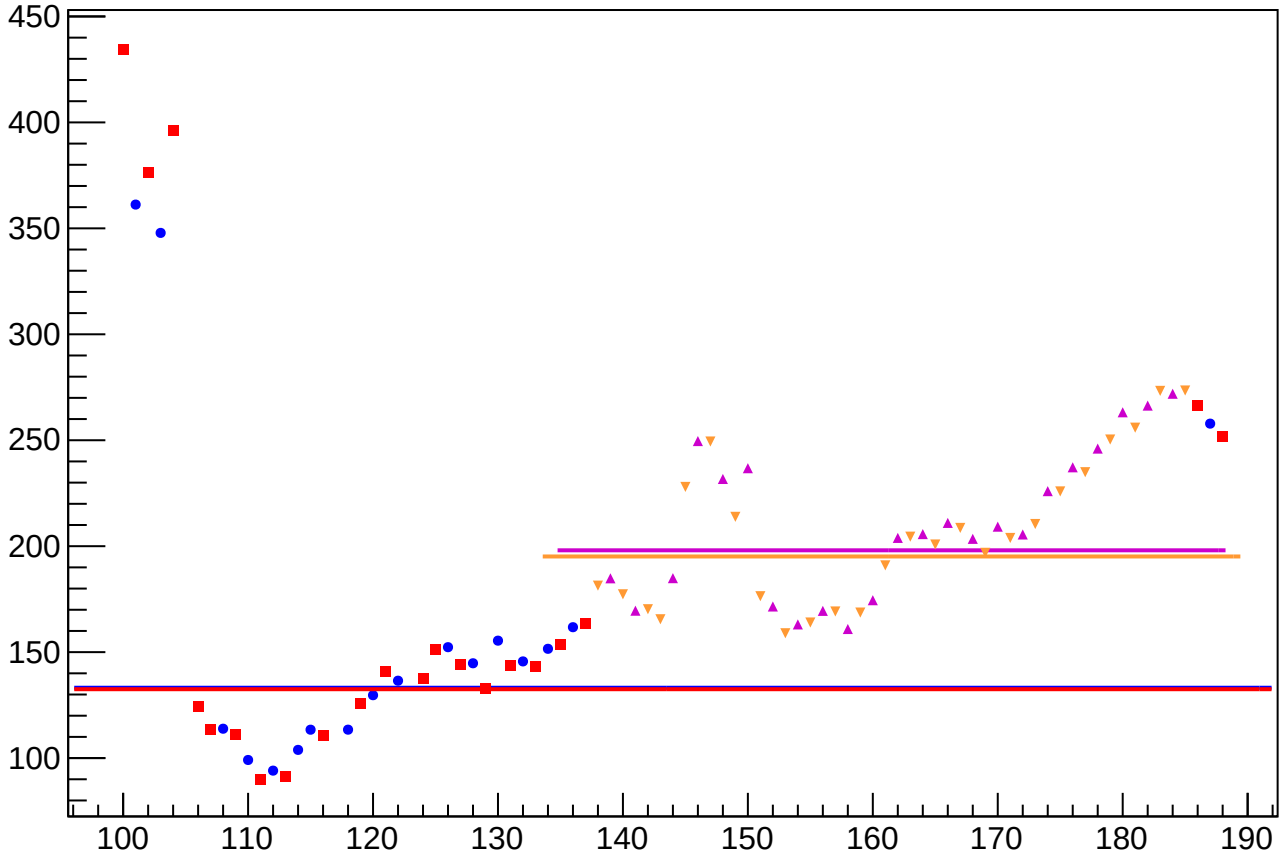
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 145971.609+/-0.034 χ^2/NDF: 5642918083.8

All: 145887.661+/-0.024 χ^2/NDF: 11868341

- sign 145806.260+/-0.034 χ^2/NDF: 6213650607.3/

yield_bpm0i01aWS_rms vs Slug



Right In: 133.197+/-0.037 χ^2/NDF: 1467562.4/16

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 132.505+/-0.034 χ^2/NDF: 2208611.2/20

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 169.058+/-0.024 χ^2/NDF: 3958440.9/41

All: 167.591+/-0.017 χ^2/NDF: 8952446.5/85

- sign 166.169+/-0.024 χ^2/NDF: 4986817.4/43

Right In: 127609.711+/-0.058 χ^2/NDF: 375998429.2/16

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 126943.286+/-0.053 χ^2/NDF: 2763798591.7/20

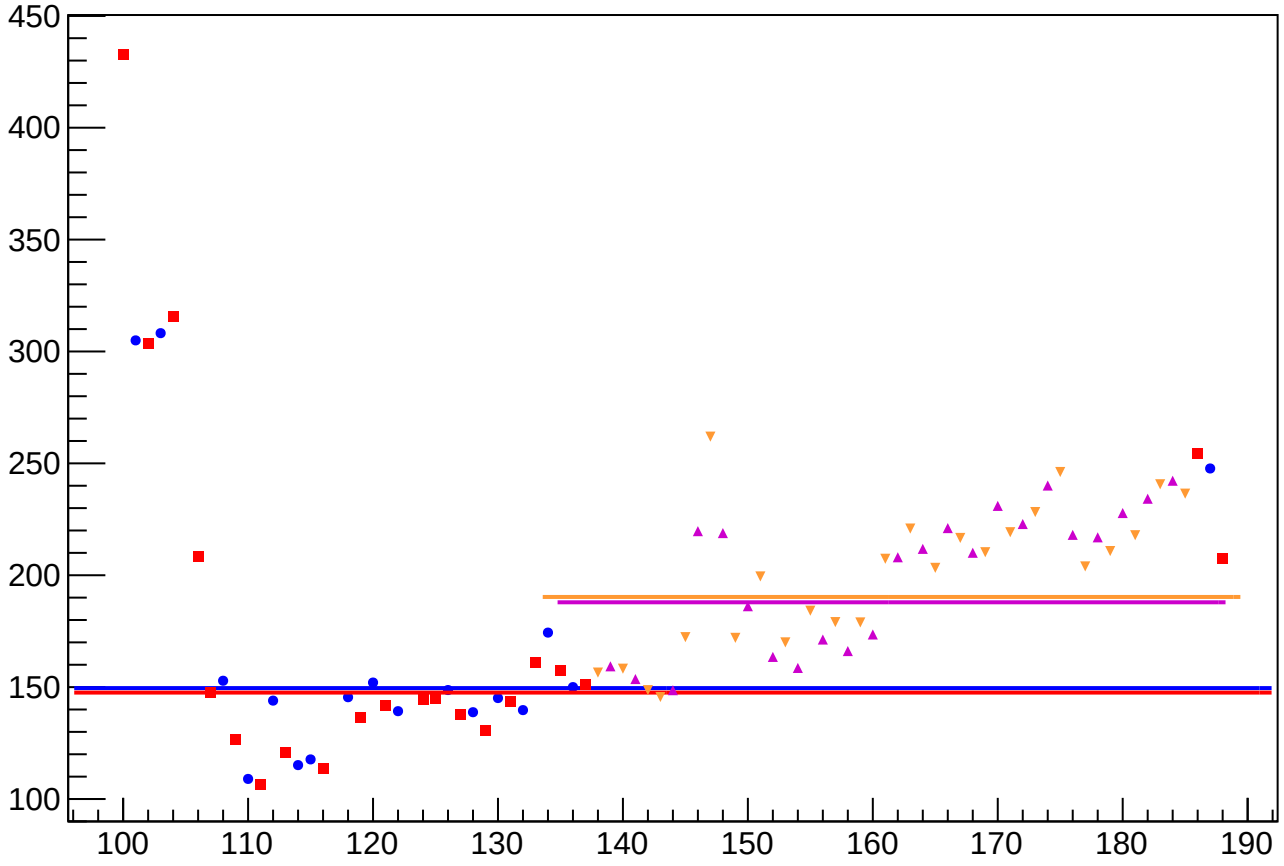
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122592.753+/-0.035 χ^2/NDF: 14130878757.

All: 122653.695+/-0.025 χ^2/NDF: 29354473

- sign 122711.241+/-0.034 χ^2/NDF: 15217746119.4

yield_bpm0l01WS_rms vs Slug



Right In: 149.569+/-0.041 χ^2/NDF: 884394.0/16

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

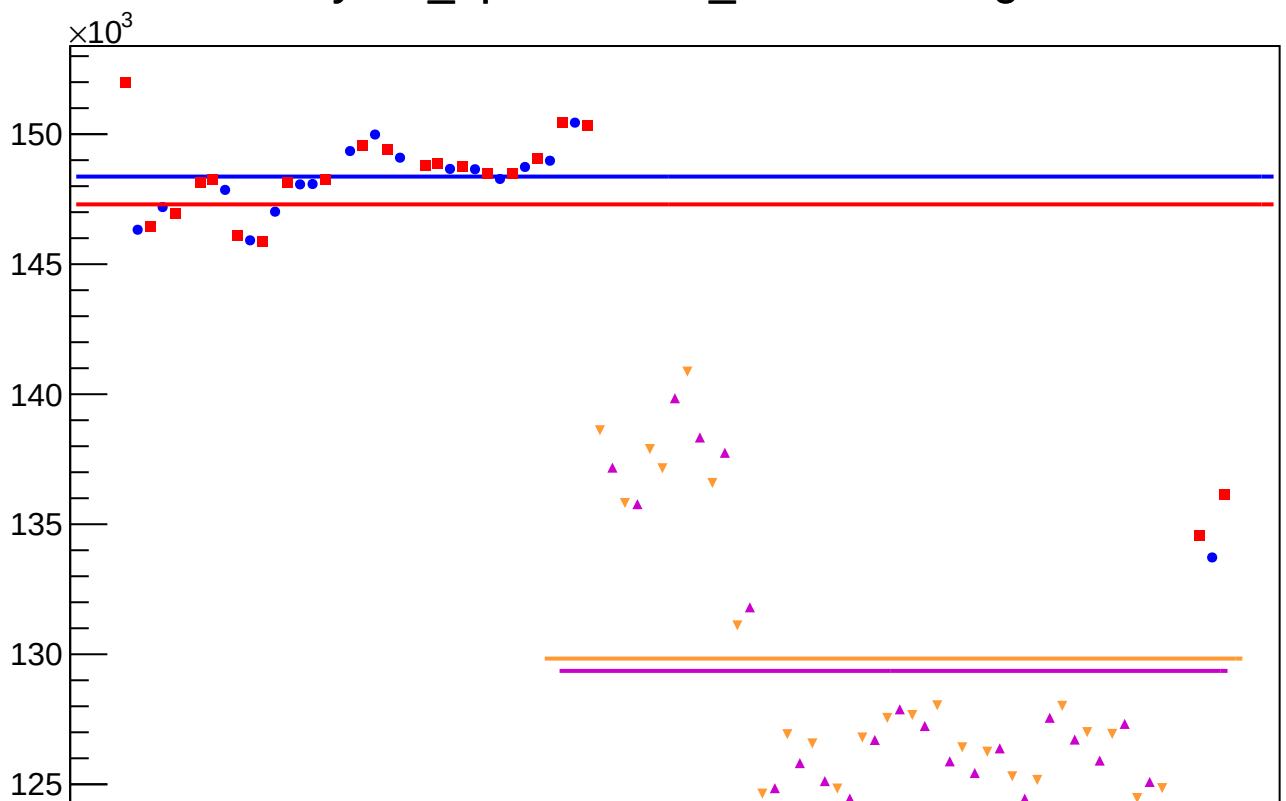
Right Out: 147.564+/-0.037 χ^2/NDF: 1327658.4/20

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 175.349+/-0.025 χ^2/NDF: 2430431.2/41

All: 173.065+/-0.017 χ^2/NDF: 5378243.0/85

- sign 170.910+/-0.024 χ^2/NDF: 2931468.2/43



Right In: 148368.931+/-0.081 χ^2/NDF: 559244247.1/16

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 147299.704+/-0.074 χ^2/NDF: 2403005021.5/20

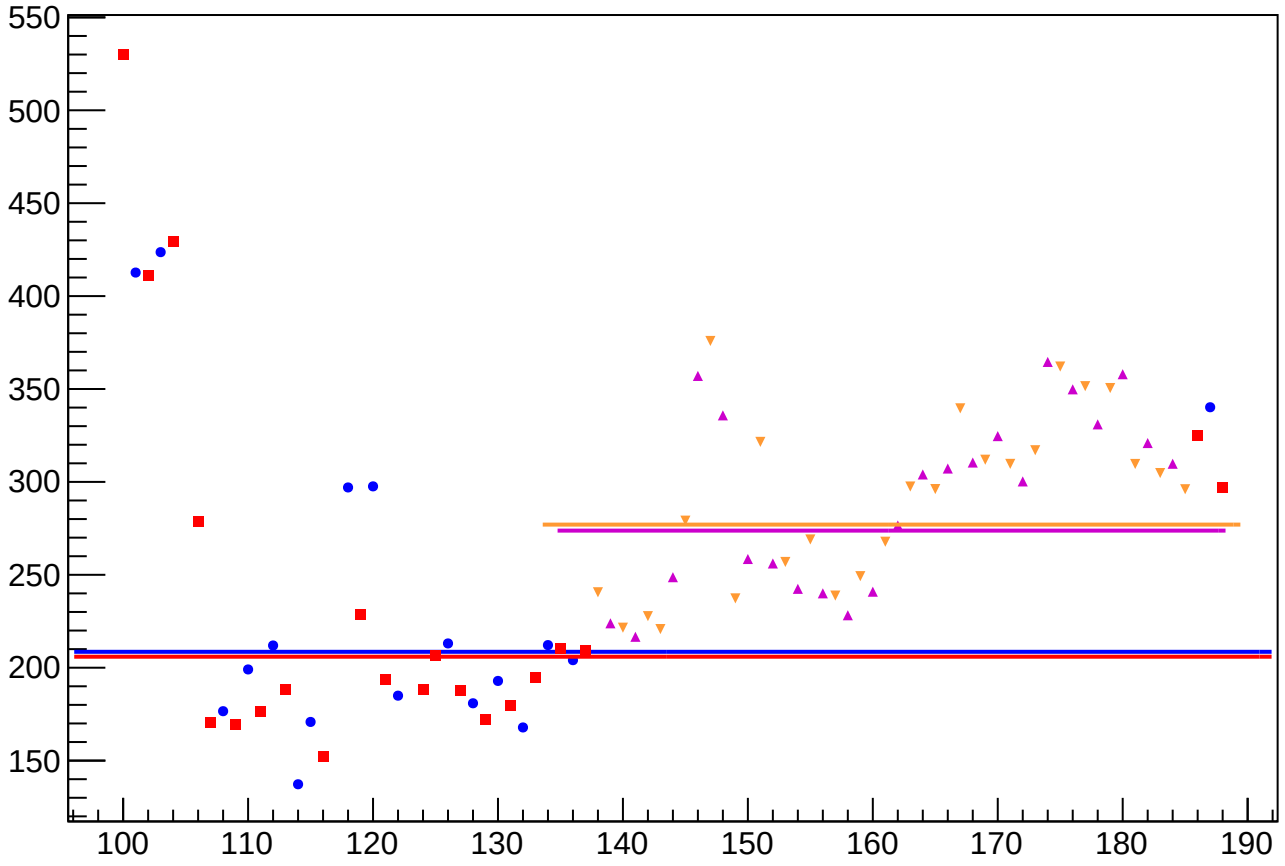
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136931.398+/-0.050 χ^2/NDF: 39268216368.

All: 137108.909+/-0.035 χ^2/NDF: 81565951

- sign 137275.481+/-0.049 χ^2/NDF: 42273720190.

yield_bpm0l02WS_rms vs Slug



Right In: 208.562+/-0.058 χ^2/NDF: 1028754.0/16

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

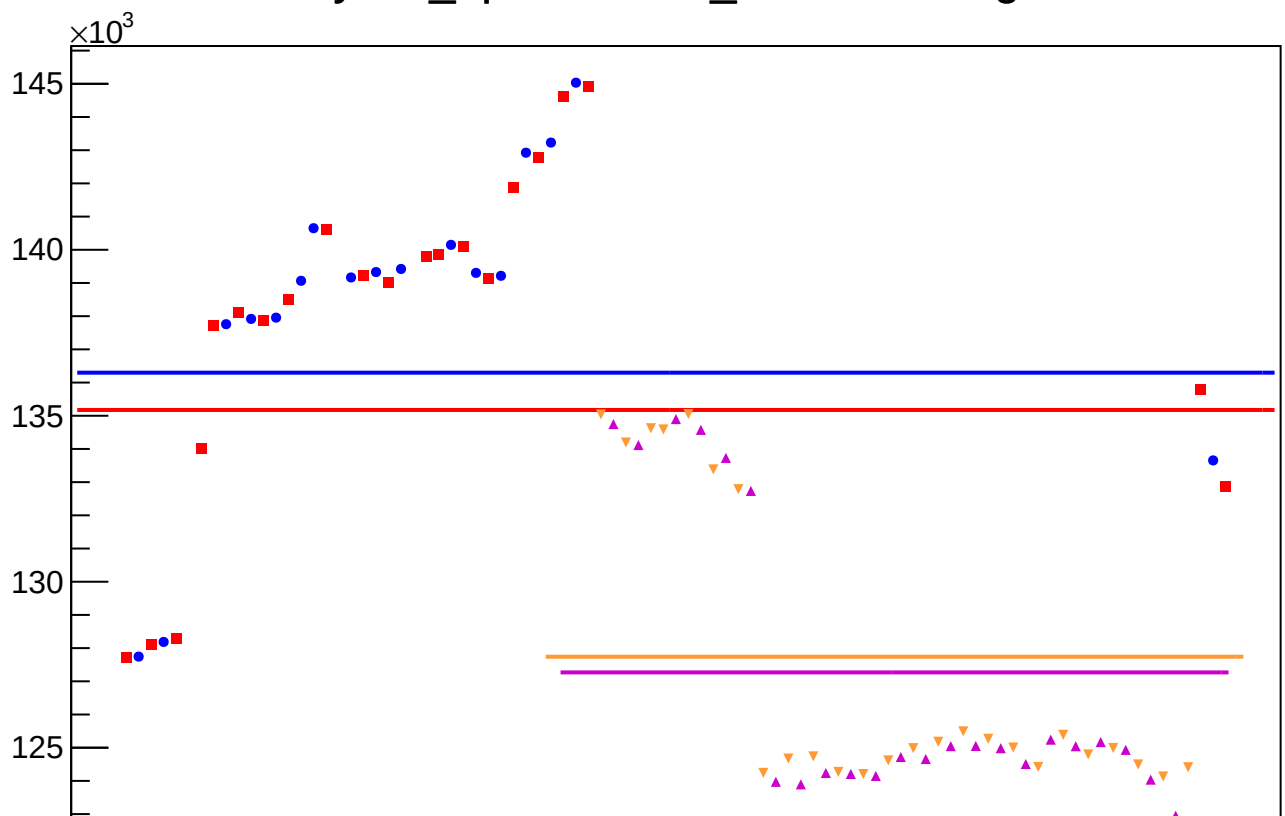
Right Out: 205.922+/-0.052 χ^2/NDF: 1212227.0/20

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 250.807+/-0.036 χ^2/NDF: 2846189.1/41

All: 247.214+/-0.025 χ^2/NDF: 6033501.8/85

- sign 243.843+/-0.035 χ^2/NDF: 3167633.7/43



Right In: 136297.933+/-0.165 χ^2/NDF: 1587624540.2/16

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 135174.574+/-0.151 χ^2/NDF: 1231543424.2/20

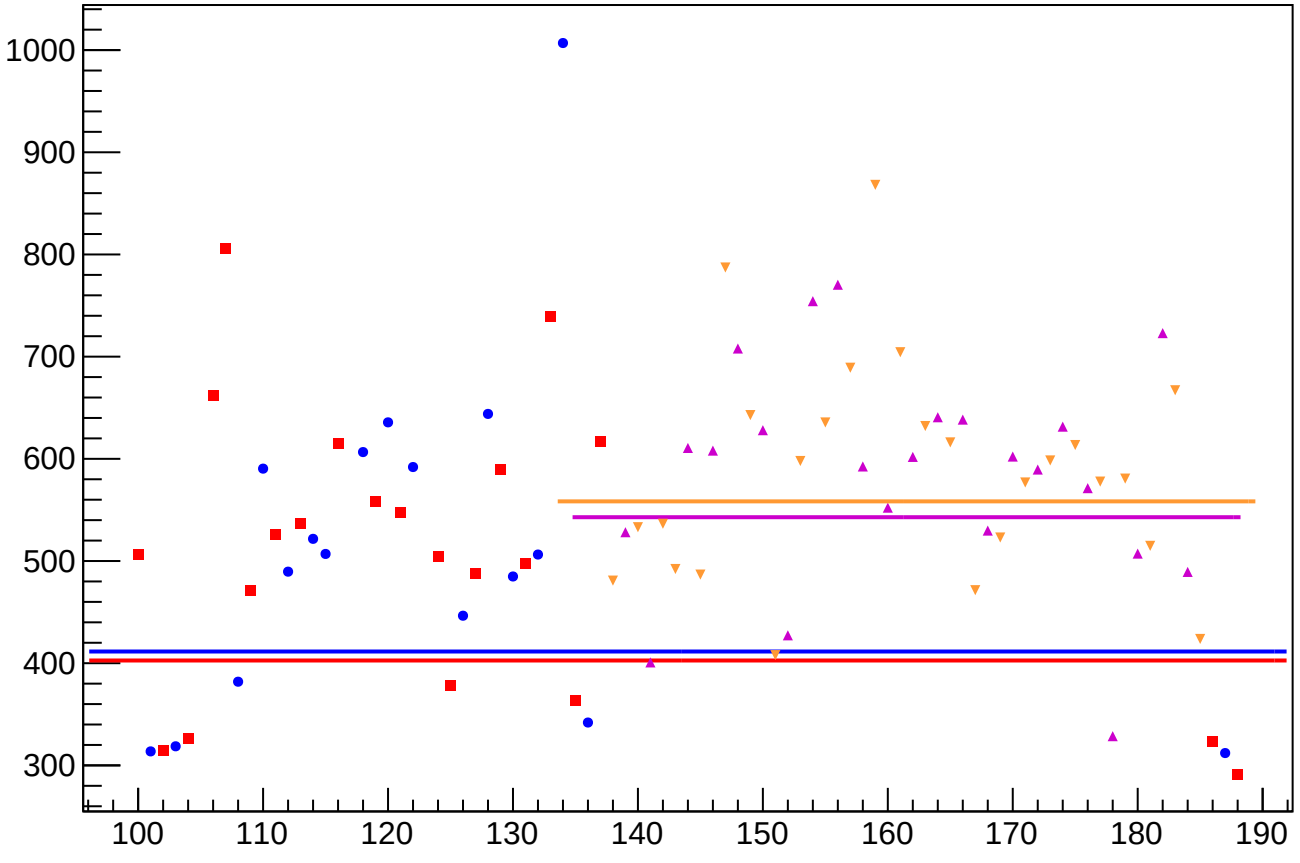
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131184.759+/-0.105 χ^2/NDF: 4283256674.3

All: 131026.439+/-0.073 χ^2/NDF: 79752907

- sign 130875.884+/-0.102 χ^2/NDF: 3687581875.5/

yield_bpm0l03WS_rms vs Slug



Right In: 411.449+/-0.117 χ^2/NDF: 1061446.5/16

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

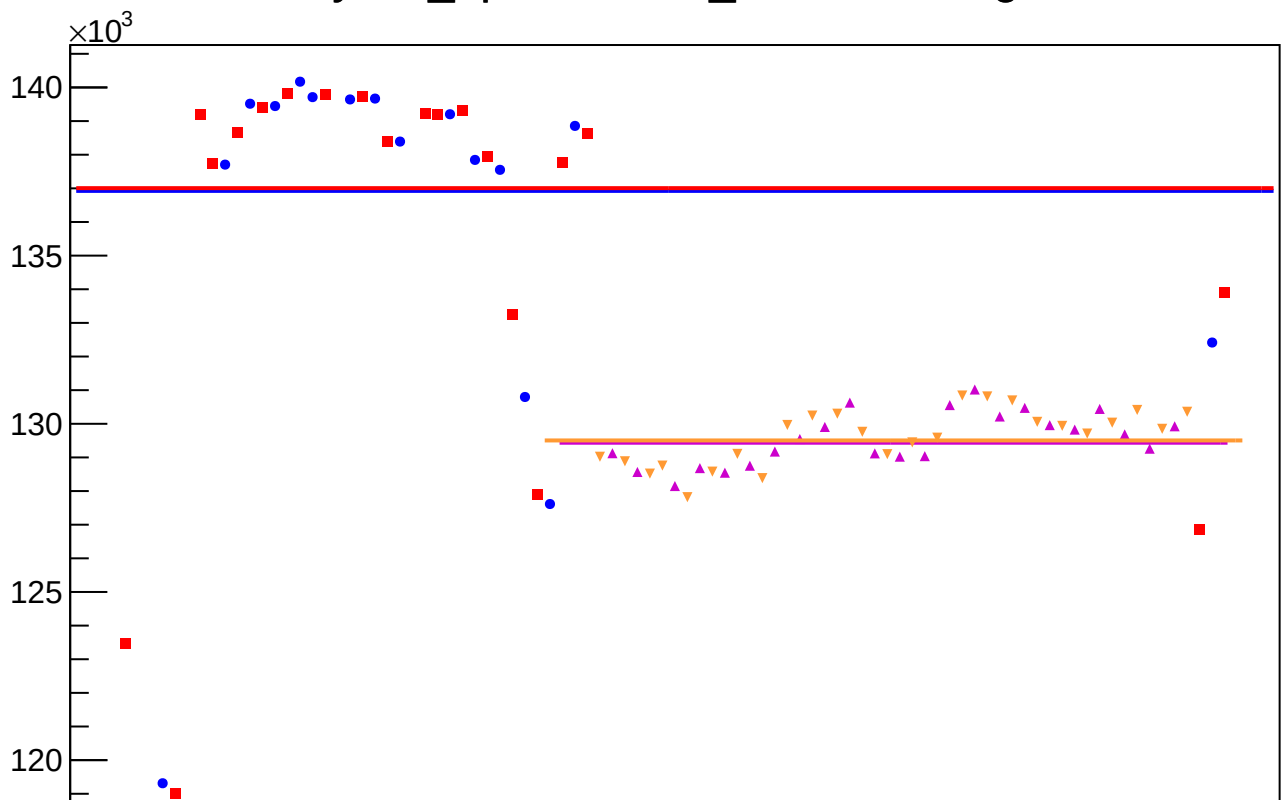
Right Out: 402.649+/-0.107 χ^2/NDF: 1254606.9/20

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 499.245+/-0.074 χ^2/NDF: 2975006.0/41

All: 488.812+/-0.052 χ^2/NDF: 6619015.1/85

- sign 478.892+/-0.072 χ^2/NDF: 3605345.9/43



Right In: 136924.765+/-0.069 χ^2/NDF: 5845374405.0/16

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 137005.896+/-0.064 χ^2/NDF: 6271659570.6/20

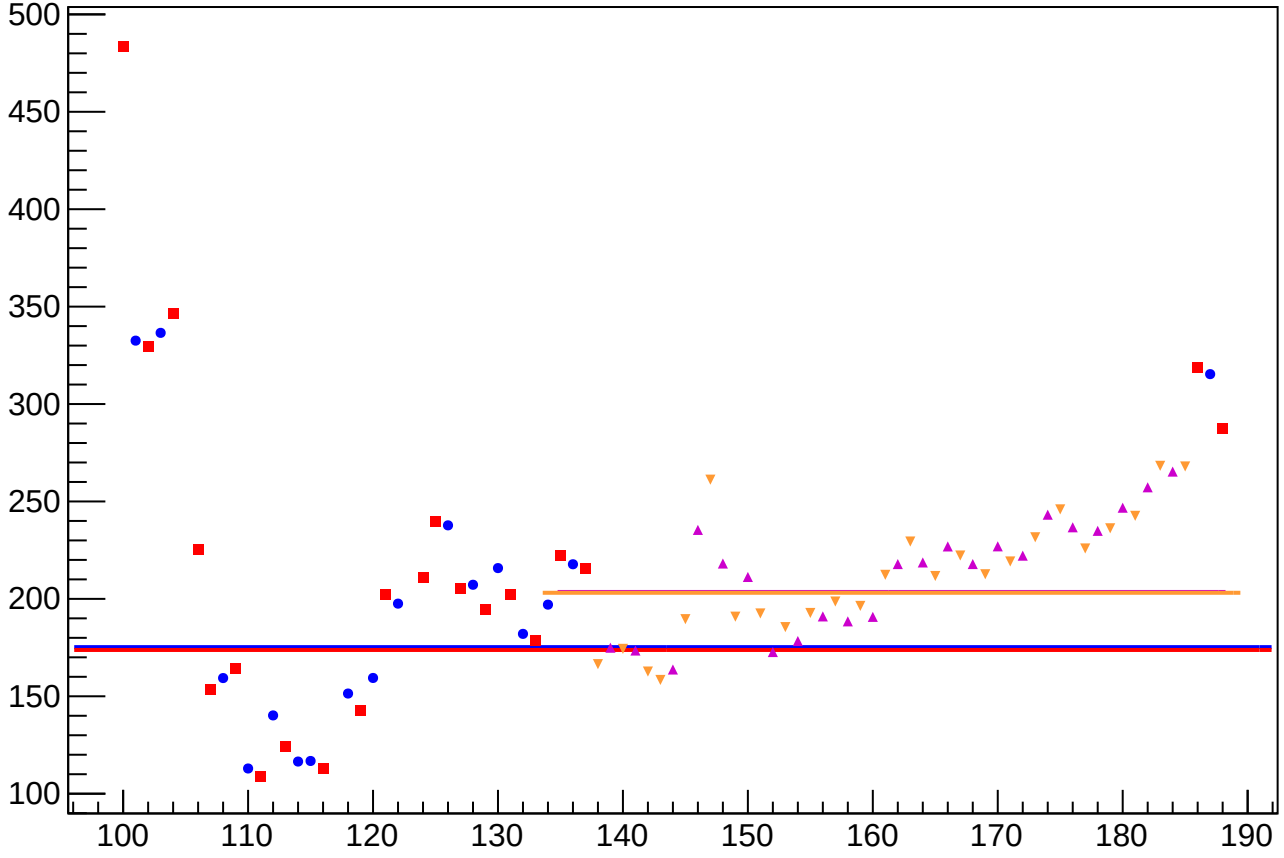
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 131836.935+/-0.039 χ^2/NDF: 13978698455.

All: 132028.872+/-0.027 χ^2/NDF: 29535780

- sign 132216.958+/-0.039 χ^2/NDF: 15508922935.

yield_bpm0l04WS_rms vs Slug



Right In: 175.231+/-0.049 χ^2/NDF: 1261139.5/16

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

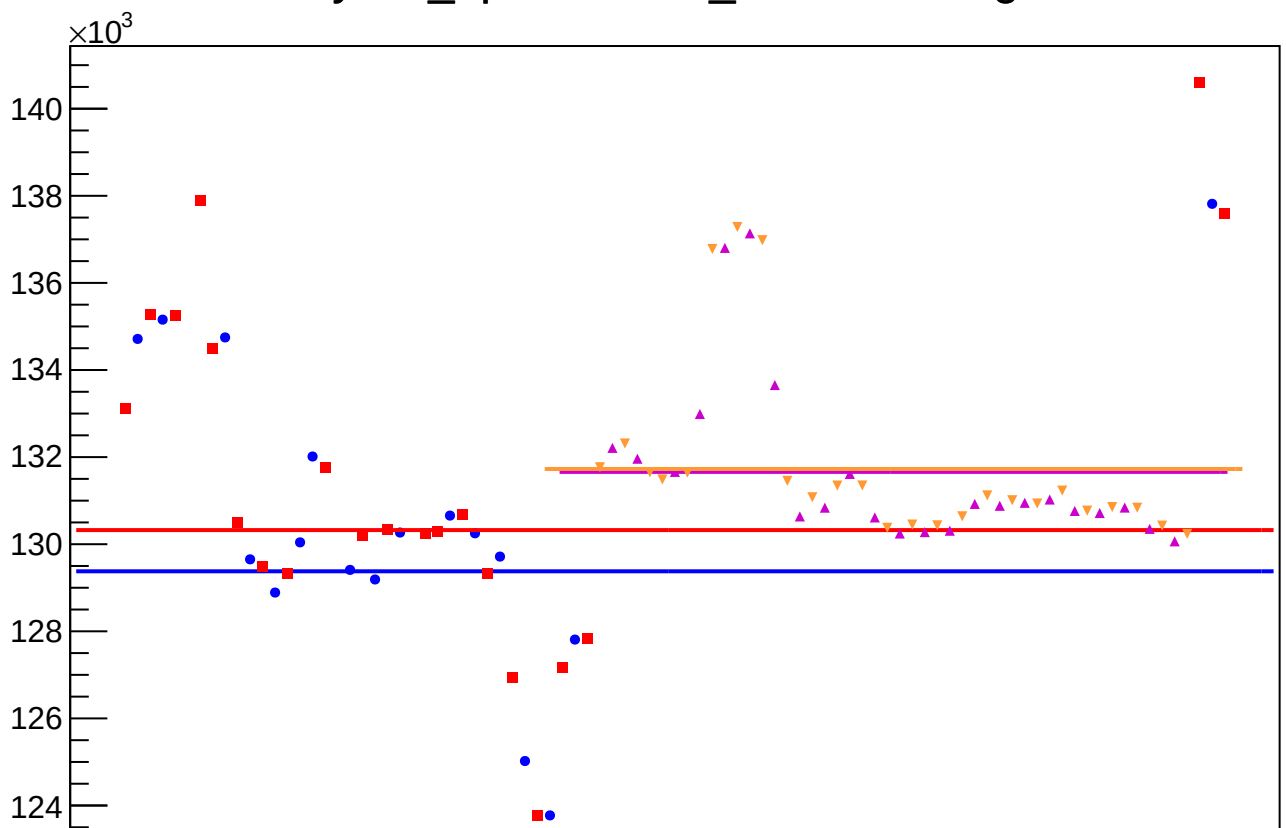
Right Out: 173.775+/-0.045 χ^2/NDF: 1920016.5/20

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 194.361+/-0.028 χ^2/NDF: 2241083.4/41

All: 193.478+/-0.019 χ^2/NDF: 5106734.0/85

- sign 192.613+/-0.027 χ^2/NDF: 2863613.3/43



Right In: 129378.161+/-0.066 χ^2/NDF: 1794478513.7/16

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 130324.173+/-0.059 χ^2/NDF: 3210815811.6/20

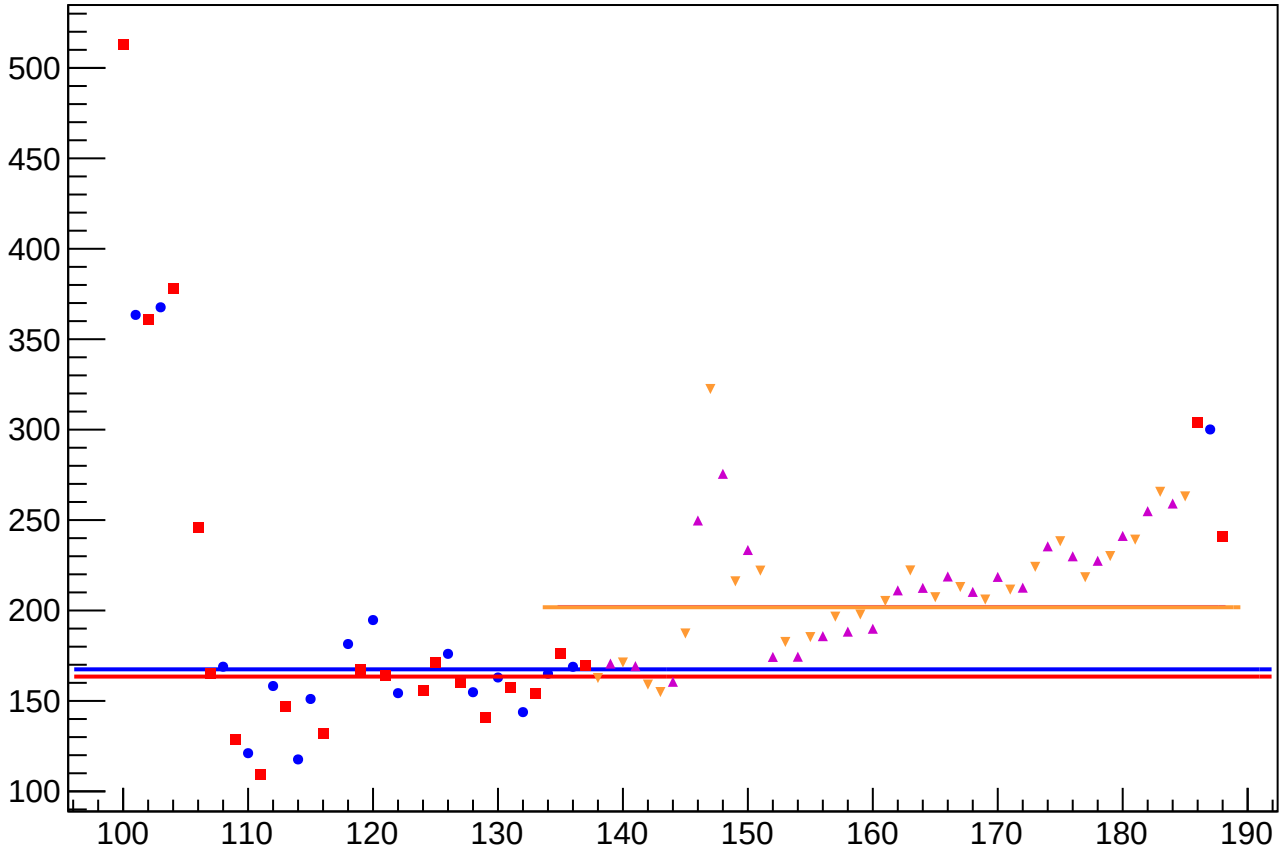
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 130938.766+/-0.038 χ^2/NDF: 4063323495.3

All: 131035.773+/-0.027 χ^2/NDF: 875731504

- sign 131128.748+/-0.037 χ^2/NDF: 4681351299.4/

yield_bpm0l05WS_rms vs Slug



Right In: 167.470+/-0.047 χ^2/NDF: 1009229.0/16

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

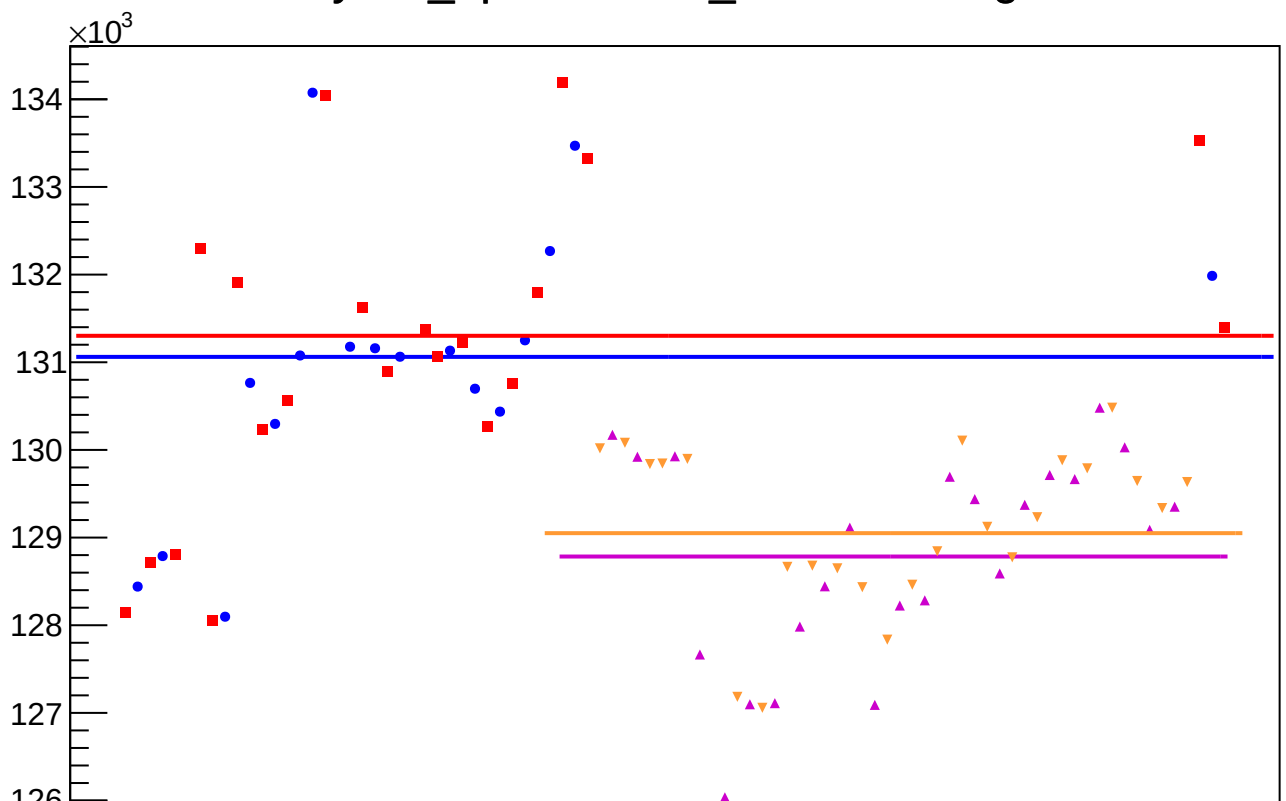
Right Out: 163.464+/-0.042 χ^2/NDF: 1569559.3/20

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 190.277+/-0.027 χ^2/NDF: 2275020.8/41

All: 188.417+/-0.019 χ^2/NDF: 5164360.9/85

- sign 186.634+/-0.026 χ^2/NDF: 2880044.3/43



Right In: 131061.356+/-0.060 χ^2/NDF: 525980528.5/16

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 131301.857+/-0.055 χ^2/NDF: 628537252.1/20

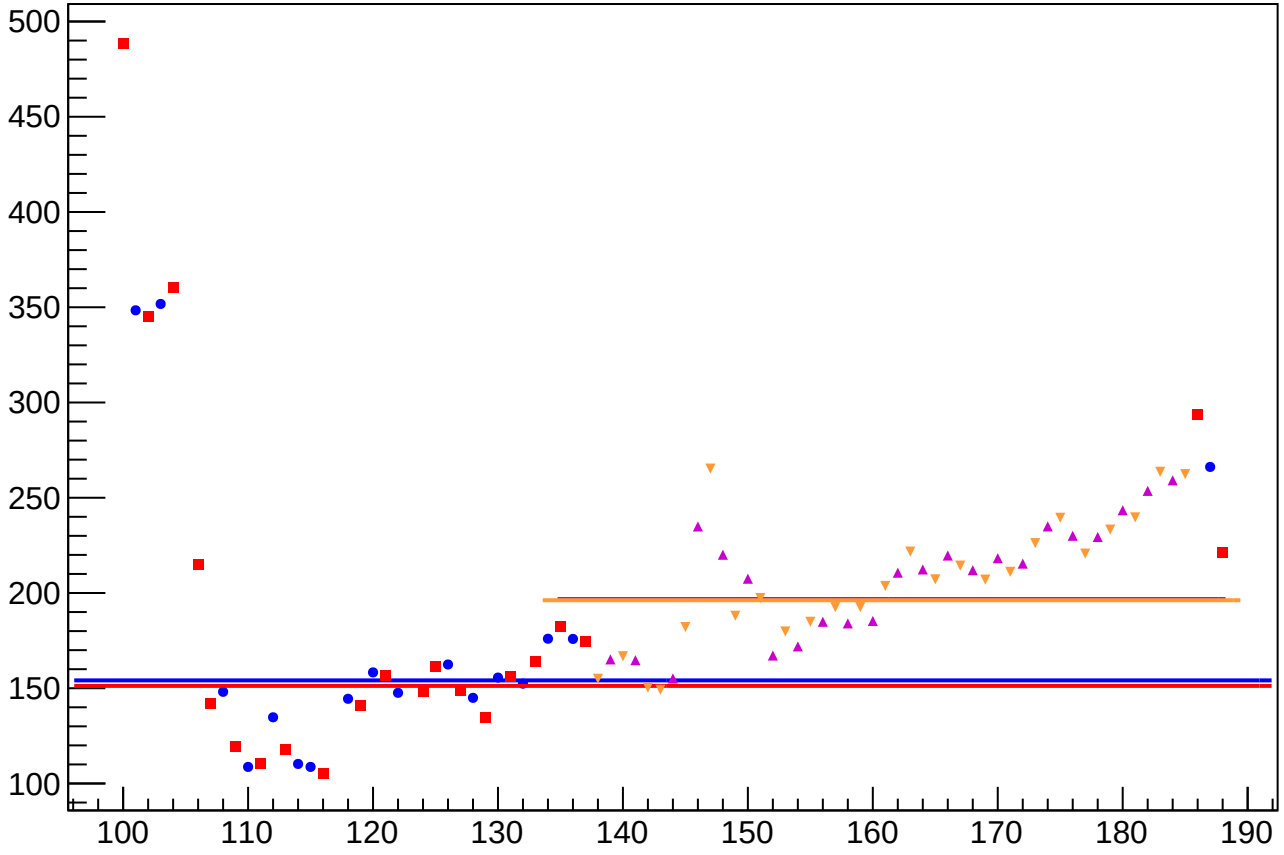
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 129779.069+/-0.036 χ^2/NDF: 1764852968.7

All: 129816.742+/-0.025 χ^2/NDF: 42750981

- sign 129852.872+/-0.036 χ^2/NDF: 2508138281.5/

yield_bpm0l06WS_rms vs Slug



Right In: 154.126+/-0.043 χ^2/NDF: 1126112.4/16

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

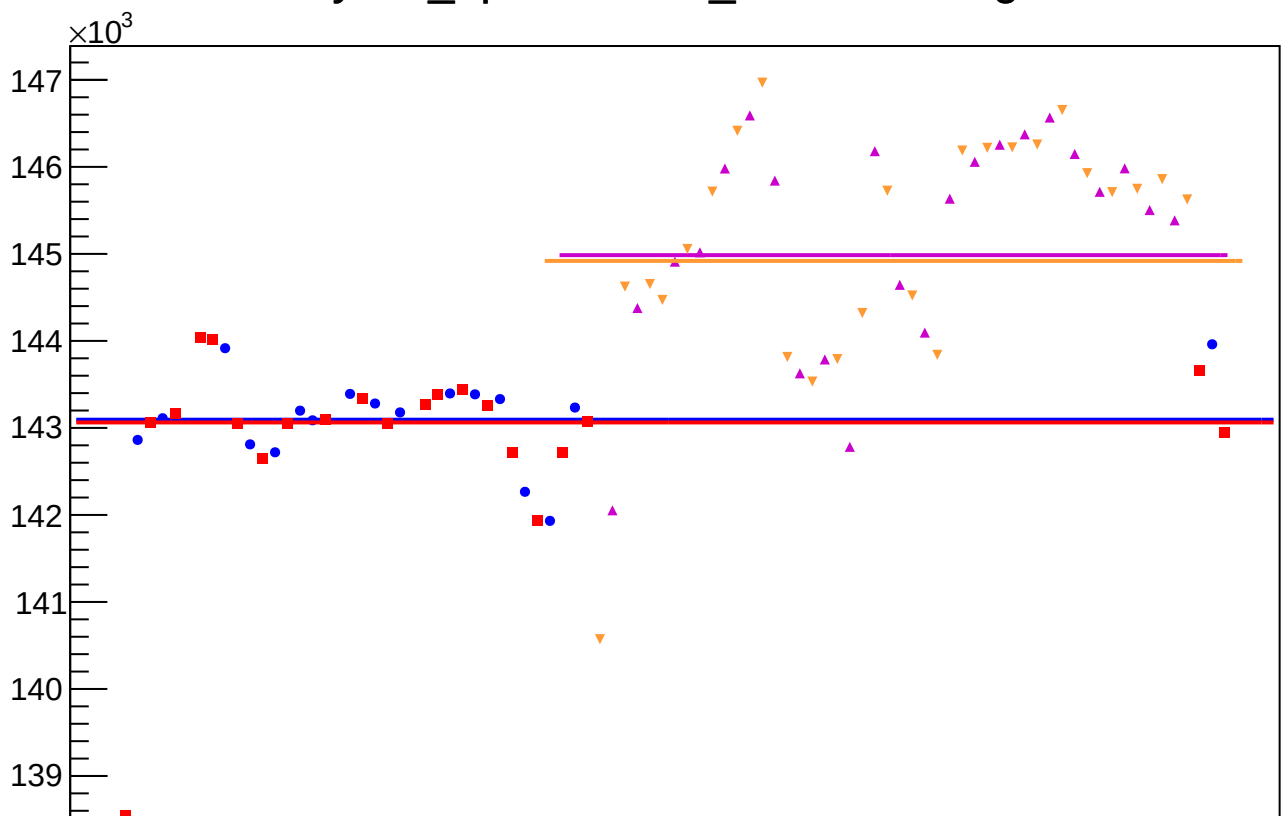
Right Out: 151.239+/-0.039 χ^2/NDF: 1672248.8/20

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 180.957+/-0.026 χ^2/NDF: 2668915.0/41

All: 179.182+/-0.018 χ^2/NDF: 5926381.4/85

- sign 177.480+/-0.025 χ^2/NDF: 3248114.7/43



Right In: 143094.387+/-0.065 χ^2/NDF: 48359904.7/16

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143063.125+/-0.059 χ^2/NDF: 53274850.6/20

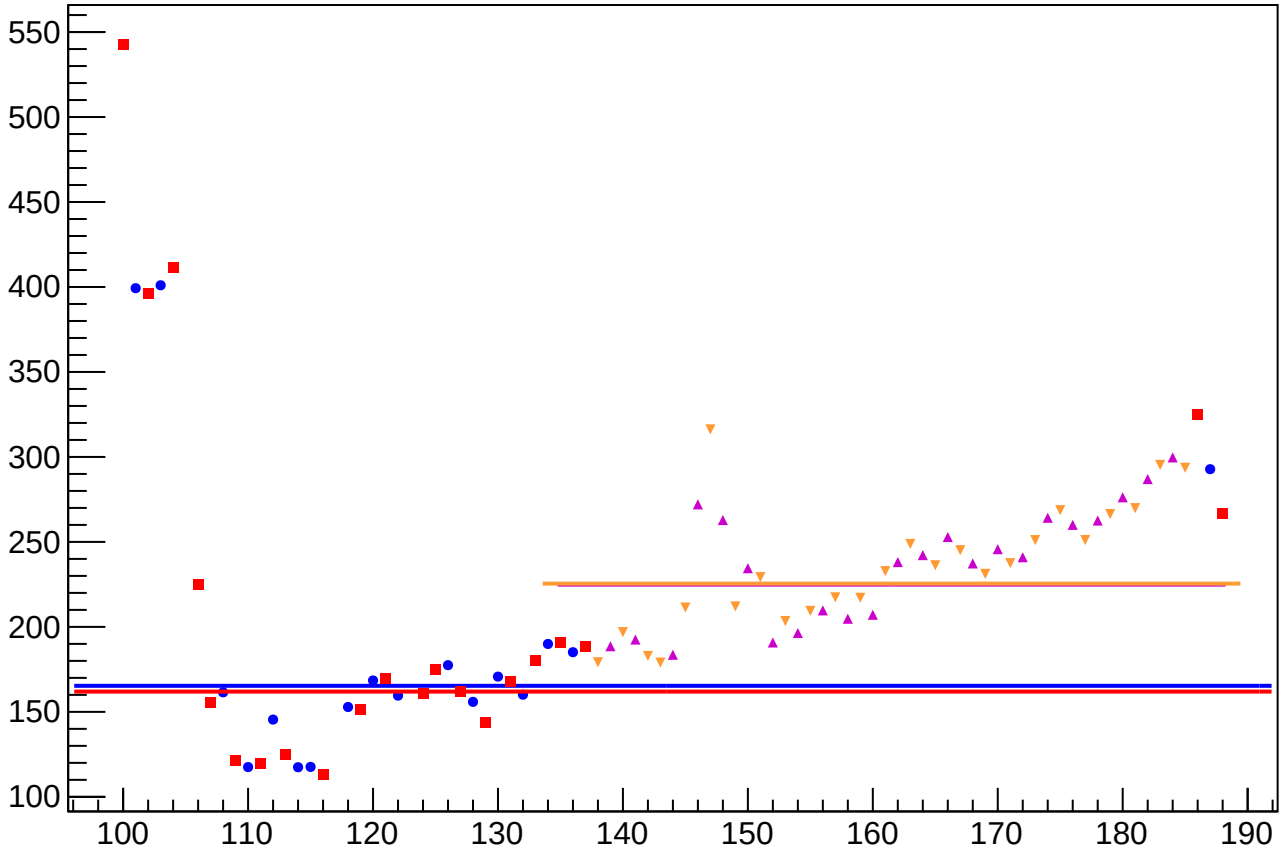
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144200.563+/-0.041 χ^2/NDF: 1364804602.7/

All: 144156.277+/-0.028 χ^2/NDF: 26227895

- sign 144114.244+/-0.040 χ^2/NDF: 1255672985.6/

yield_bpm0l07WS_rms vs Slug



Right In: 165.330+/-0.046 χ^2/NDF: 1200399.4/16

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

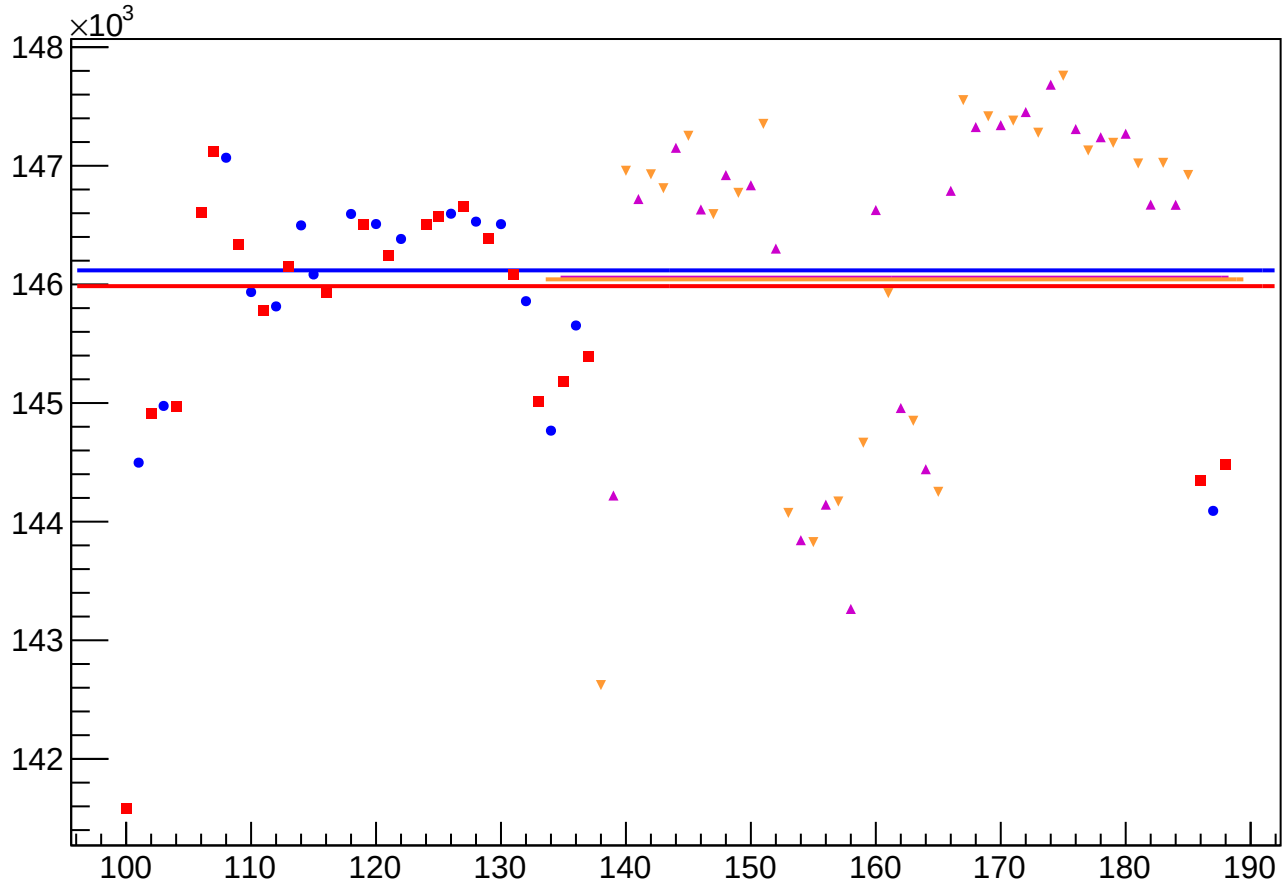
Right Out: 161.941+/-0.042 χ^2/NDF: 1890168.1/20

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 201.785+/-0.029 χ^2/NDF: 3020553.1/41

All: 198.995+/-0.020 χ^2/NDF: 6903519.8/85

- sign 196.347+/-0.028 χ^2/NDF: 3864611.9/43



Right In: 146118.302+/-0.067 χ^2/NDF: 81163554.3/16

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 145985.333+/-0.060 χ^2/NDF: 128078199.7/20

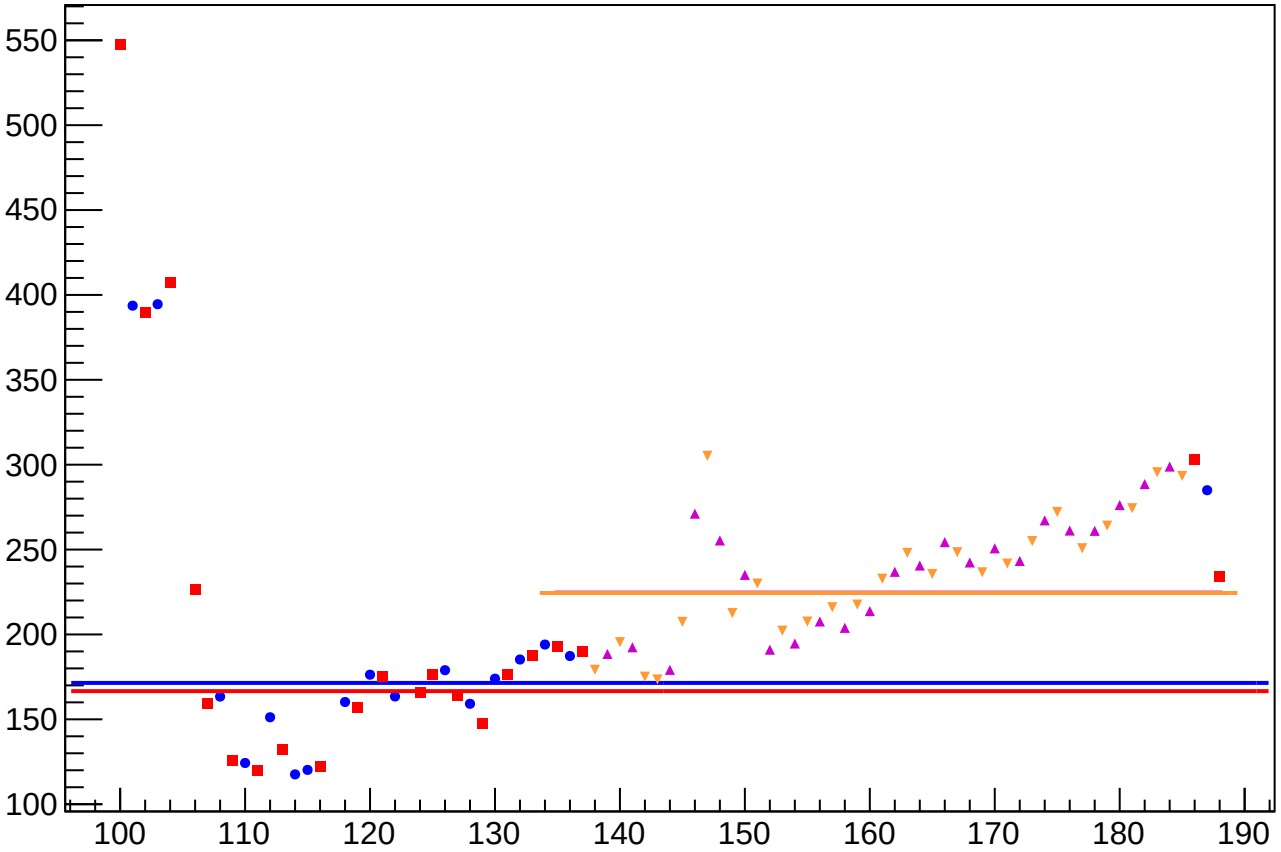
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 146071.063+/-0.041 χ^2/NDF: 964663761.8/4

All: 146047.407+/-0.029 χ^2/NDF: 17929167

- sign 146025.043+/-0.040 χ^2/NDF: 827608371.4/4

yield_bpm0l08WS_rms vs Slug



Right In: 171.451+/-0.047 χ^2/NDF: 1116824.6/16

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

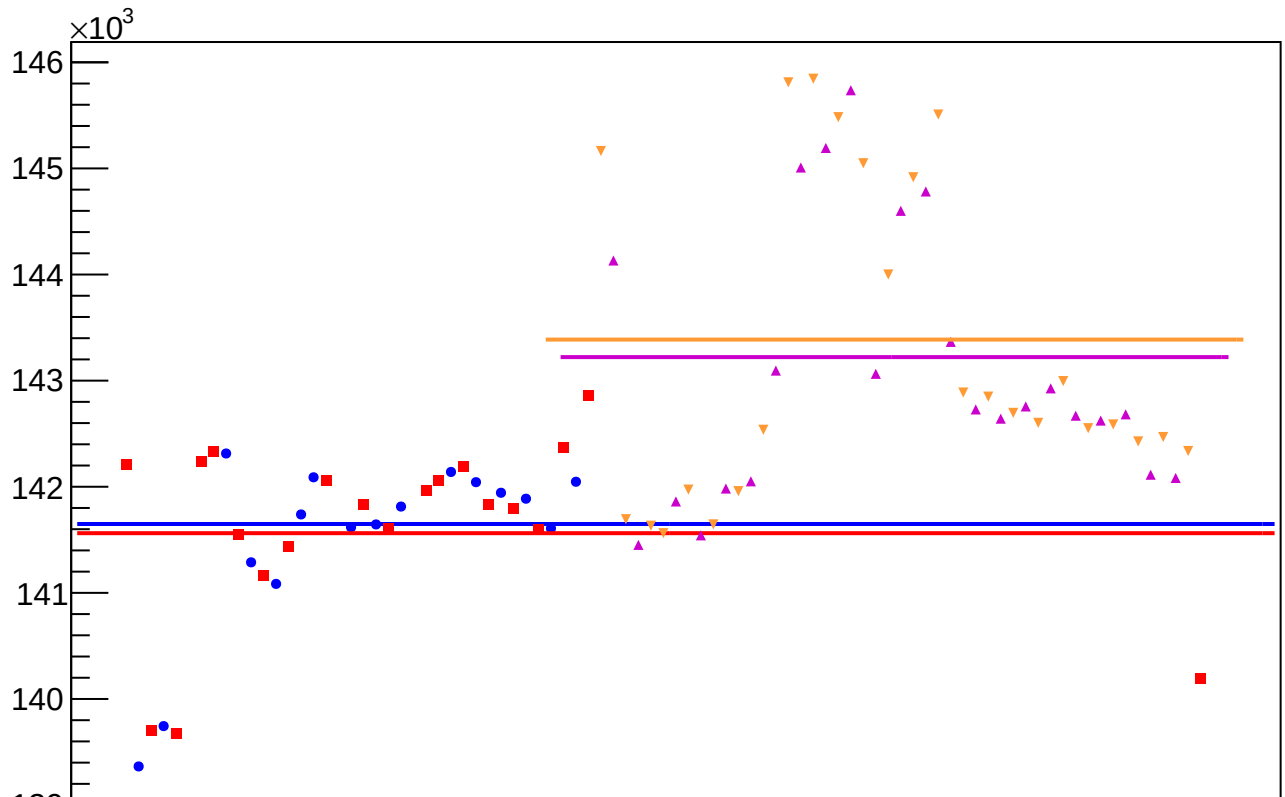
Right Out: 166.613+/-0.042 χ^2/NDF: 1637898.4/20

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 204.514+/-0.029 χ^2/NDF: 2744953.7/41

All: 201.635+/-0.020 χ^2/NDF: 6200484.9/85

- sign 198.914+/-0.028 χ^2/NDF: 3436443.8/43



Right In: 141648.928+/-0.068 χ^2/NDF: 83677151.0/16

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

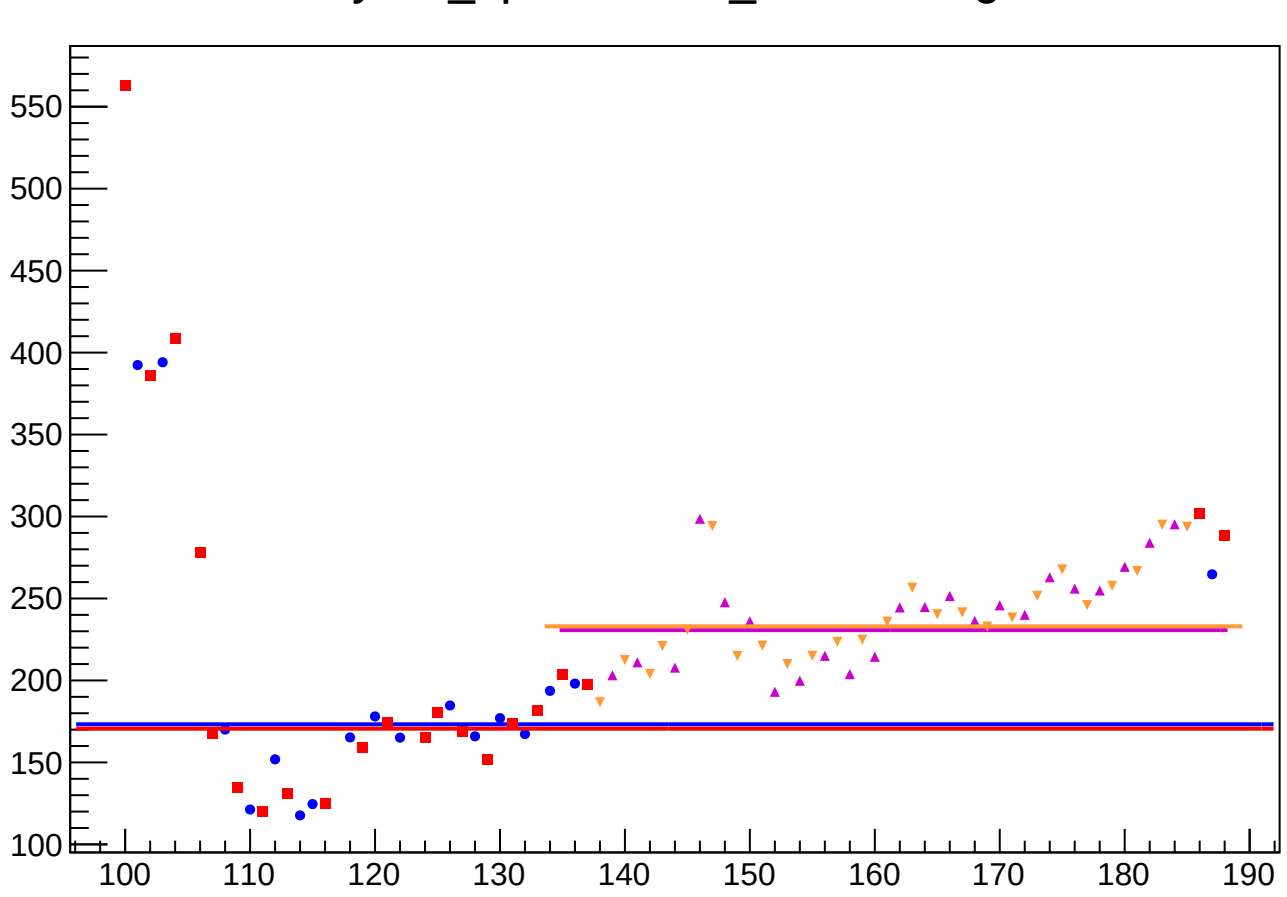
Right Out: 141562.492+/-0.062 χ^2/NDF: 152806400.1/20

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign 142717.897+/-0.042 χ^2/NDF: 1271133303.0

All: 142601.915+/-0.029 χ^2/NDF: 23819182

- sign 142491.754+/-0.041 χ^2/NDF: 1095988172.1/



Right In: 173.250+/-0.048 χ^2/NDF: 1112750.2/16

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

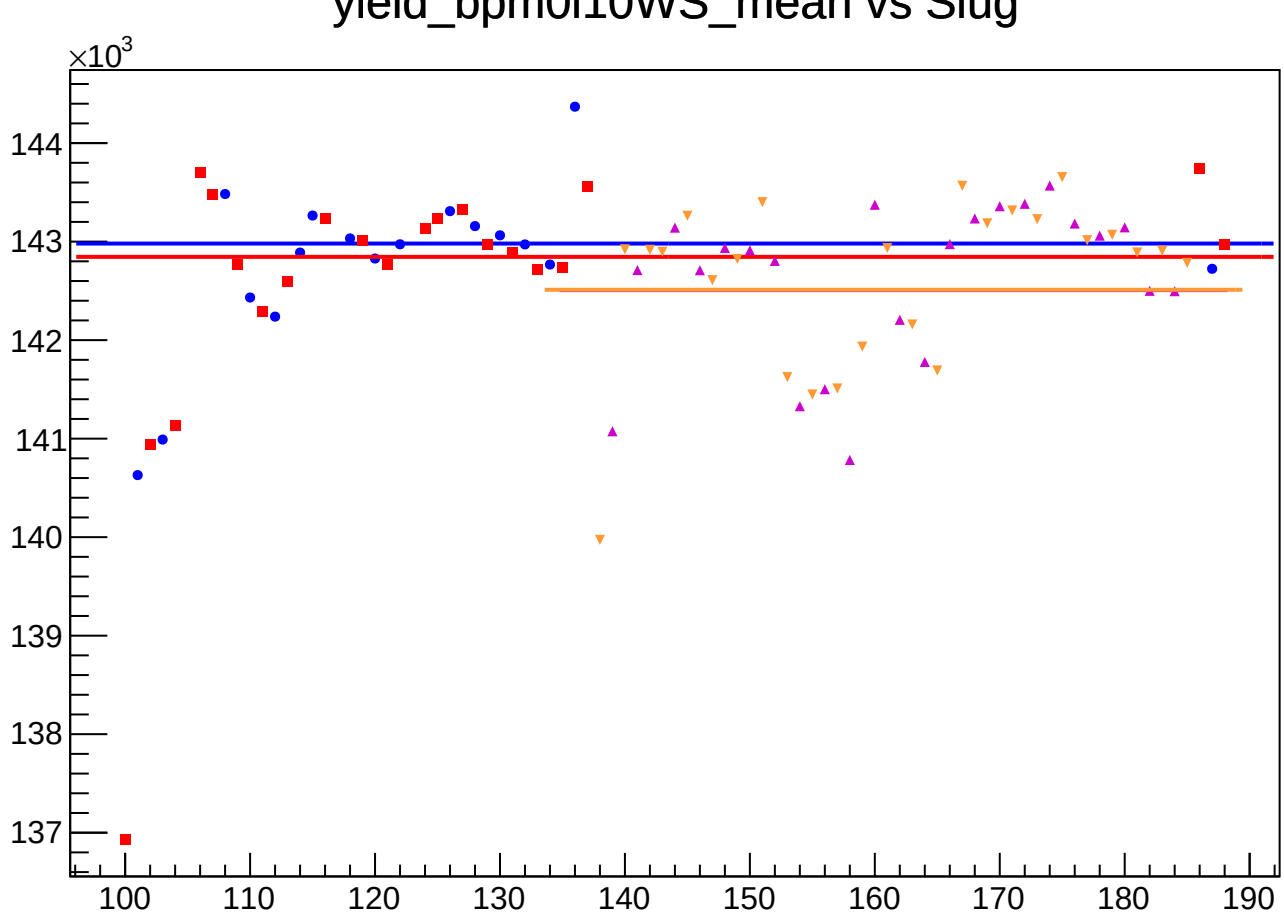
Right Out: 170.572+/-0.044 χ^2/NDF: 1798406.6/20

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 210.004+/-0.030 χ^2/NDF: 2512783.7/41

All: 207.049+/-0.021 χ^2/NDF: 5900403.0/85

- sign 204.241+/-0.029 χ^2/NDF: 3368401.8/43



Right In: 142980.351+/-0.069 χ^2/NDF: 107840102.4/16

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142845.298+/-0.062 χ^2/NDF: 67219685.6/20

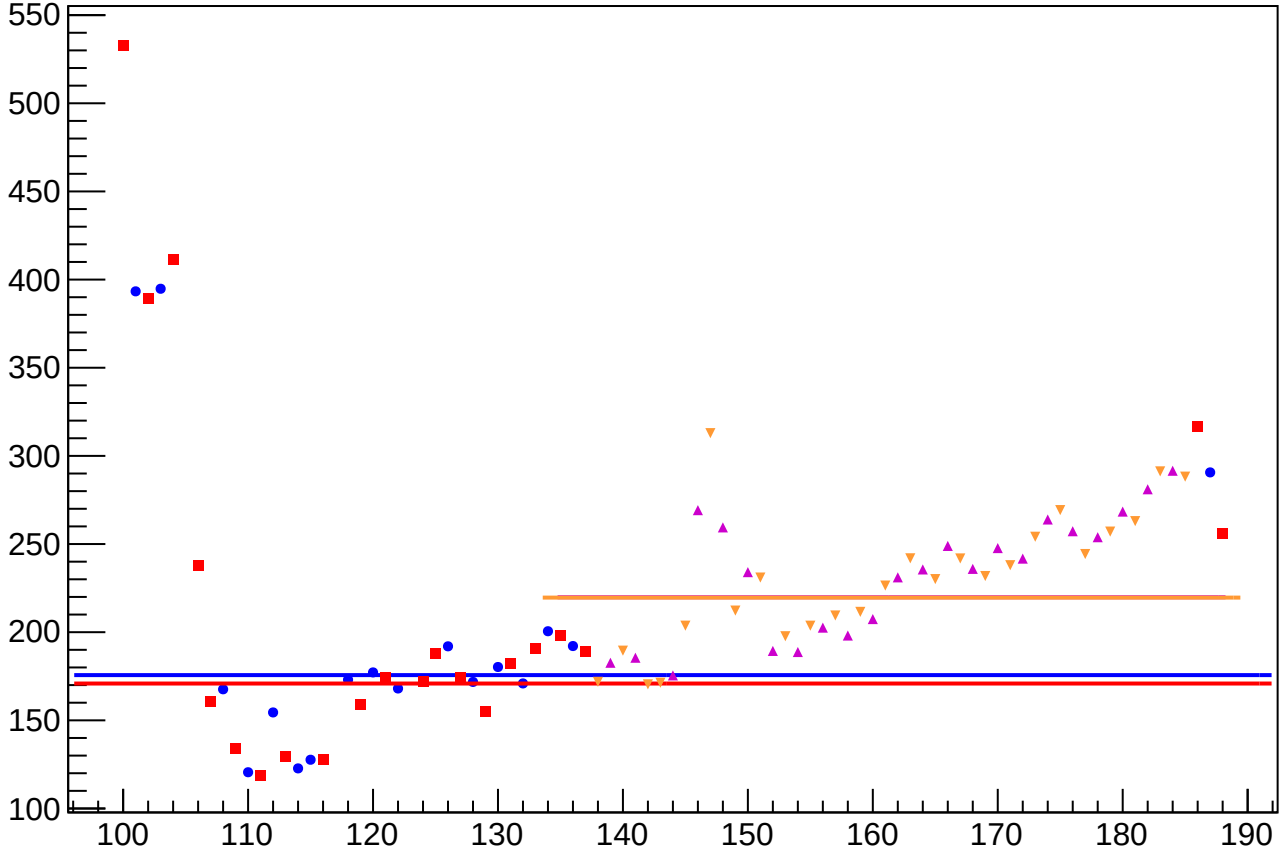
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142677.409+/-0.041 χ^2/NDF: 475980727.4/4

All: 142662.850+/-0.029 χ^2/NDF: 83011213

- sign 142648.965+/-0.040 χ^2/NDF: 353883967.6/4

yield_bpm0l10WS_rms vs Slug



Right In: 175.659+/-0.049 χ^2/NDF: 1107109.8/16

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

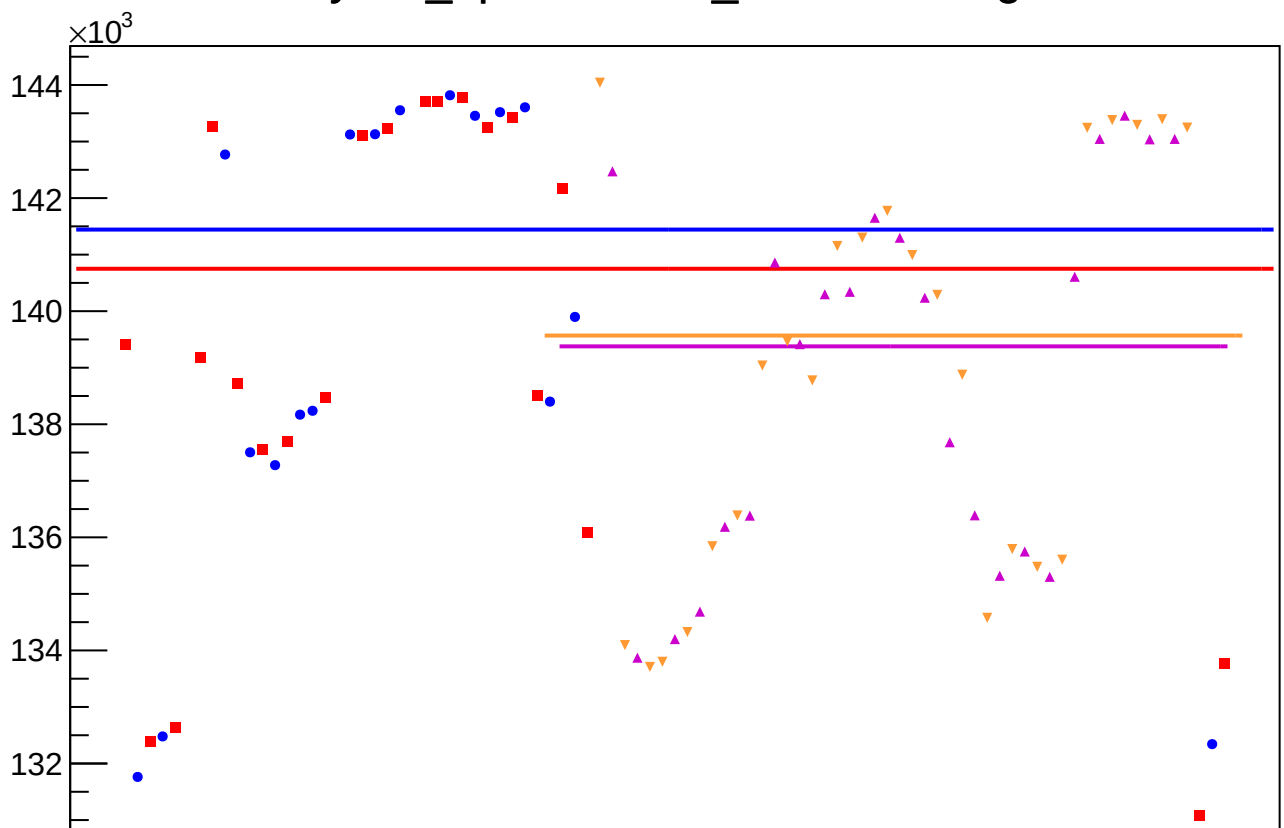
Right Out: 170.880+/-0.044 χ^2/NDF: 1690032.4/20

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 204.055+/-0.029 χ^2/NDF: 2537252.7/41

All: 201.635+/-0.020 χ^2/NDF: 5776667.8/85

- sign 199.326+/-0.028 χ^2/NDF: 3225734.9/43



Right In: 141443.139+/-0.100 χ^2/NDF: 1034914503.7/16

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 140750.072+/-0.097 χ^2/NDF: 1446169333.1/20

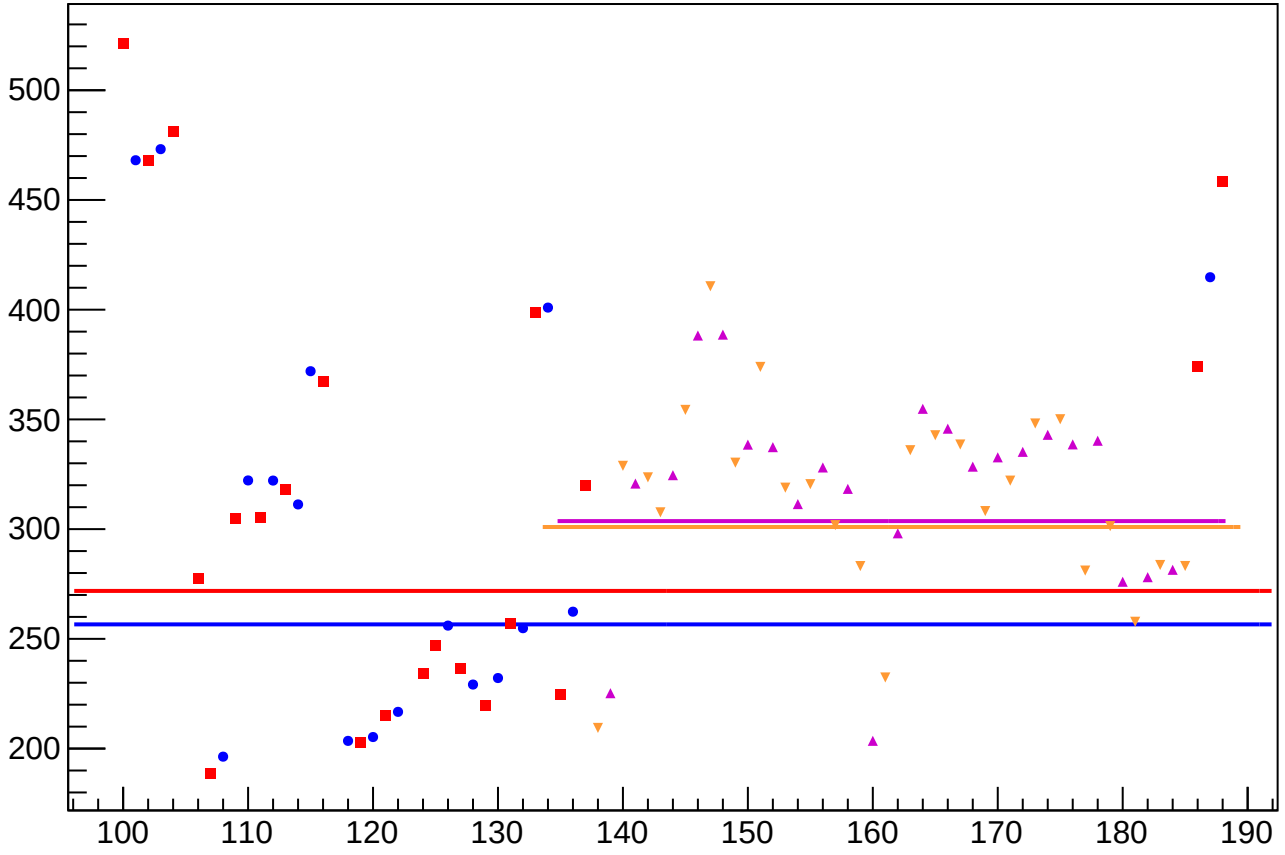
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 140183.142+/-0.057 χ^2/NDF: 3856402890.3

All: 140029.397+/-0.041 χ^2/NDF: 73656617

- sign 139870.280+/-0.058 χ^2/NDF: 3494666416.8/

yield_bpm0r03WS_rms vs Slug



Right In: 256.594+/-0.071 χ^2/NDF: 1002638.3/16

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

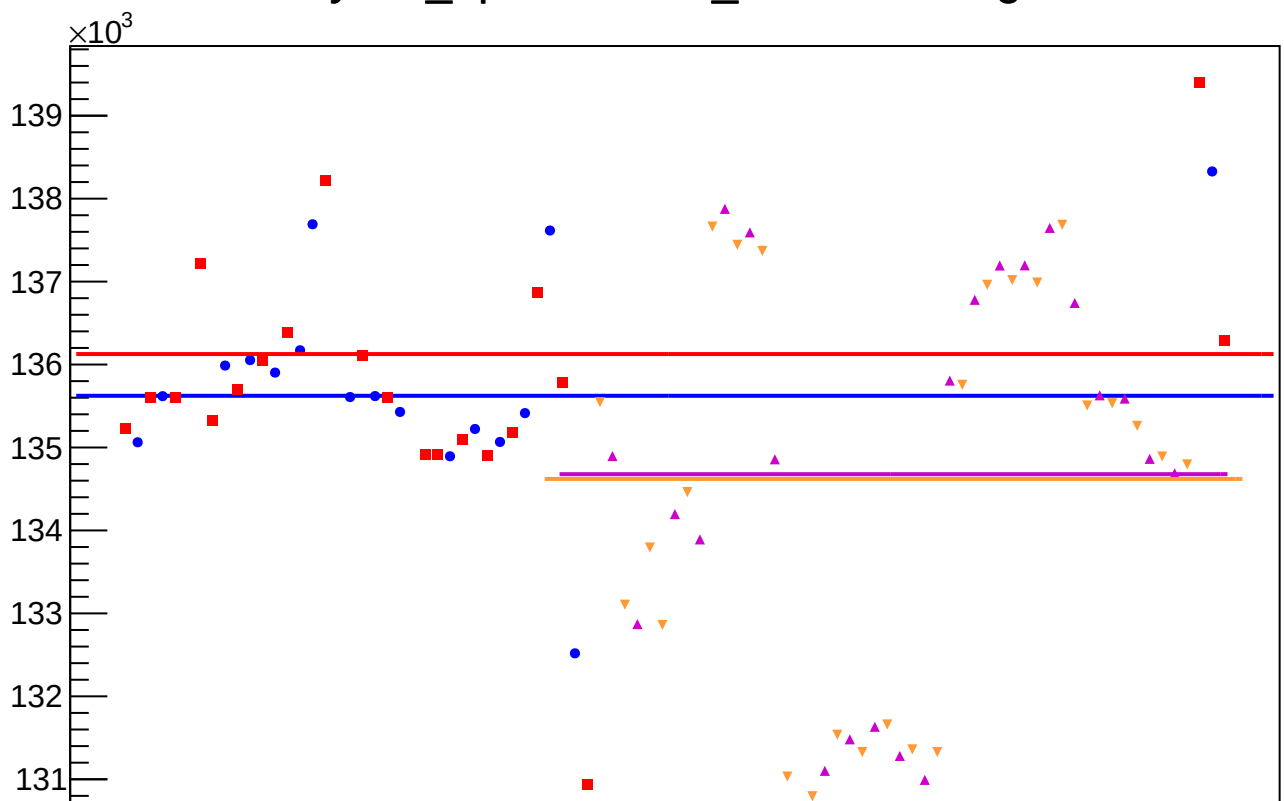
Right Out: 271.840+/-0.069 χ^2/NDF: 1389354.8/20

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 286.420+/-0.041 χ^2/NDF: 2142729.5/41

All: 289.278+/-0.029 χ^2/NDF: 4655002.2/85

- sign 292.236+/-0.041 χ^2/NDF: 2502187.2/43



Right In: 135623.397+/-0.117 χ^2/NDF: 106078144.2/16

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136126.333+/-0.098 χ^2/NDF: 138258454.7/20

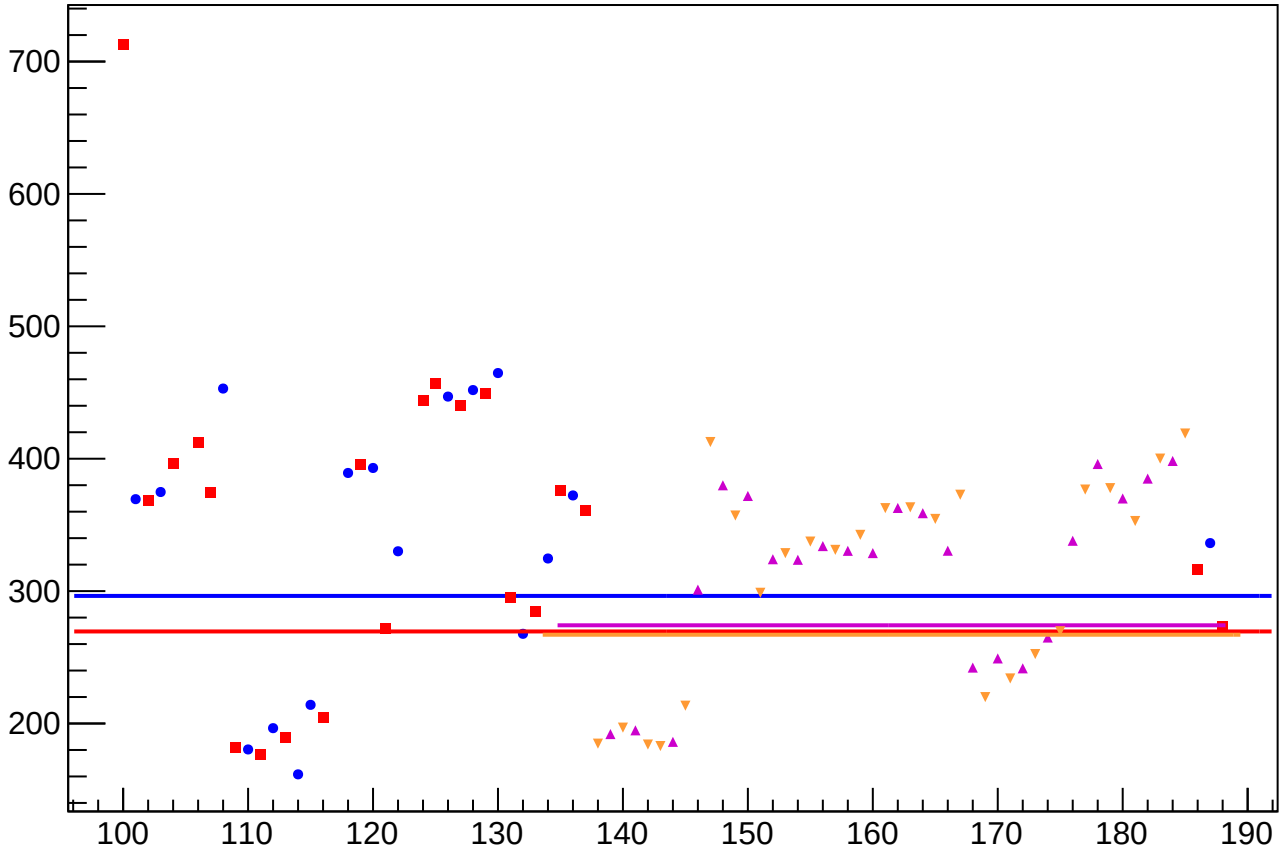
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134850.215+/-0.056 χ^2/NDF: 1364135128.3

All: 134998.005+/-0.039 χ^2/NDF: 27622514

- sign 135141.576+/-0.055 χ^2/NDF: 1384373429.2/

yield_bpm0r05WS_rms vs Slug



Right In: 296.372+/-0.083 χ^2/NDF: 1447717.0/16

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

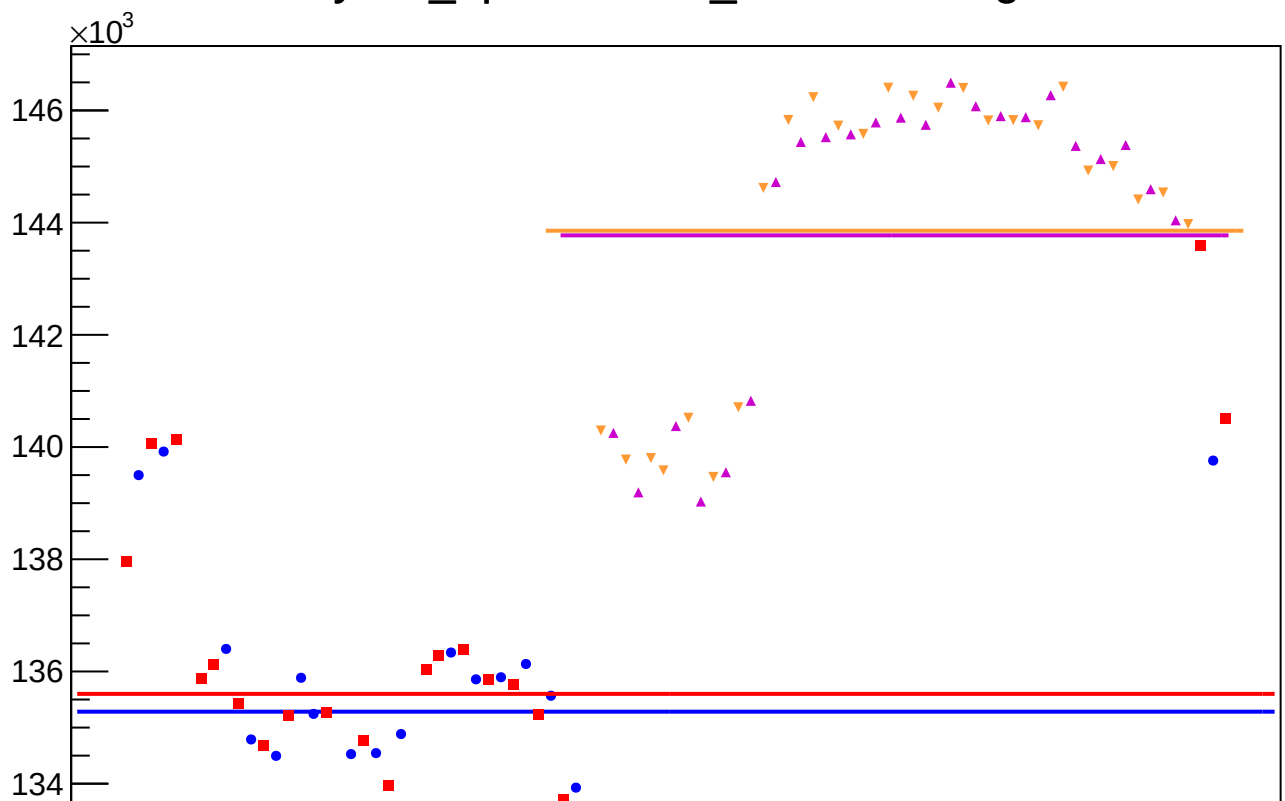
Right Out: 269.526+/-0.069 χ^2/NDF: 1697335.1/20

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 273.758+/-0.040 χ^2/NDF: 4387798.8/41

All: 273.216+/-0.028 χ^2/NDF: 8325350.6/85

- sign 272.690+/-0.039 χ^2/NDF: 3937182.4/43



Right In: 135283.324+/-0.054 χ^2/NDF: 444225890.6/16

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 135600.678+/-0.050 χ^2/NDF: 1120174282.3/20

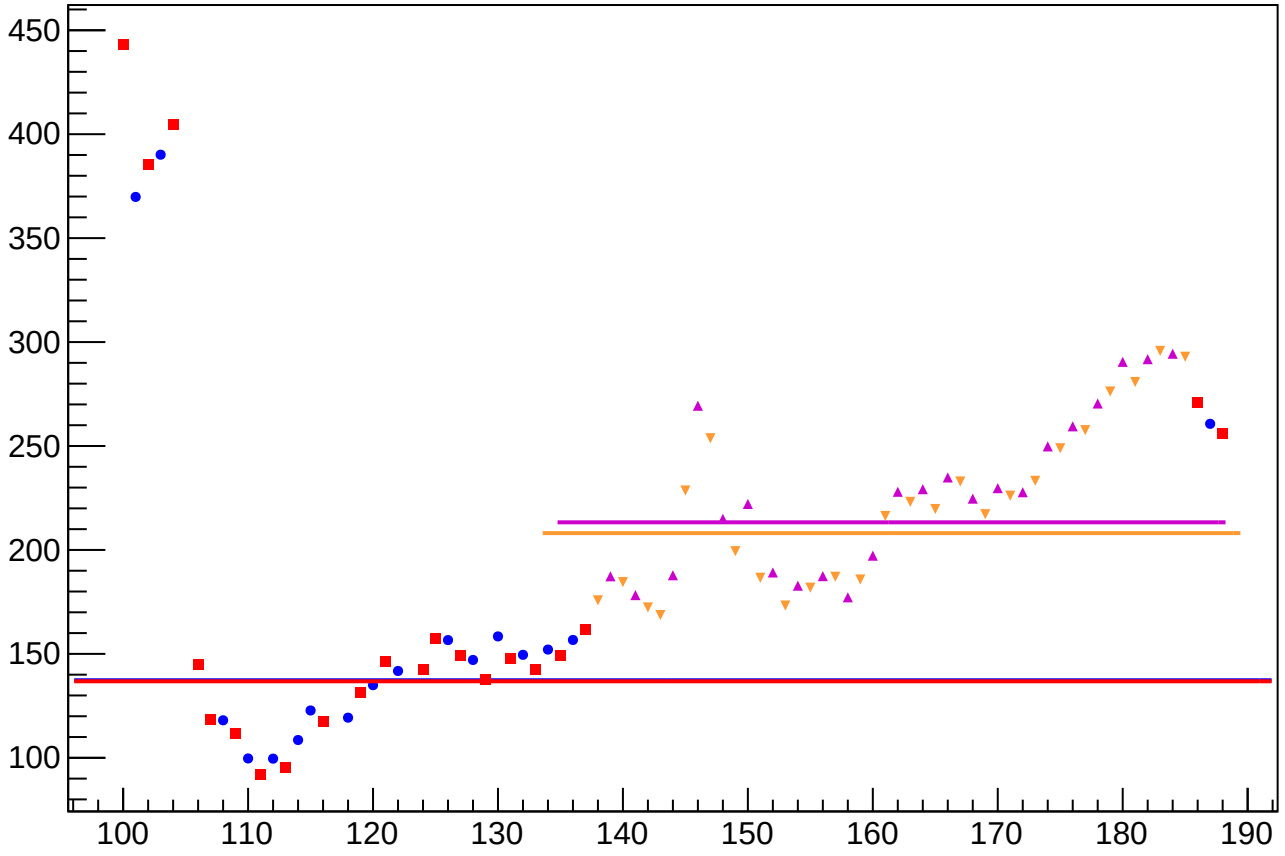
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 140081.503+/-0.036 χ^2/NDF: 17424360258.

All: 139861.876+/-0.025 χ^2/NDF: 34428110

- sign 139646.285+/-0.036 χ^2/NDF: 16930650550.

yield_bpm0i02WS_rms vs Slug



Right In: 137.306+/-0.039 χ^2/NDF: 1468912.6/16

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

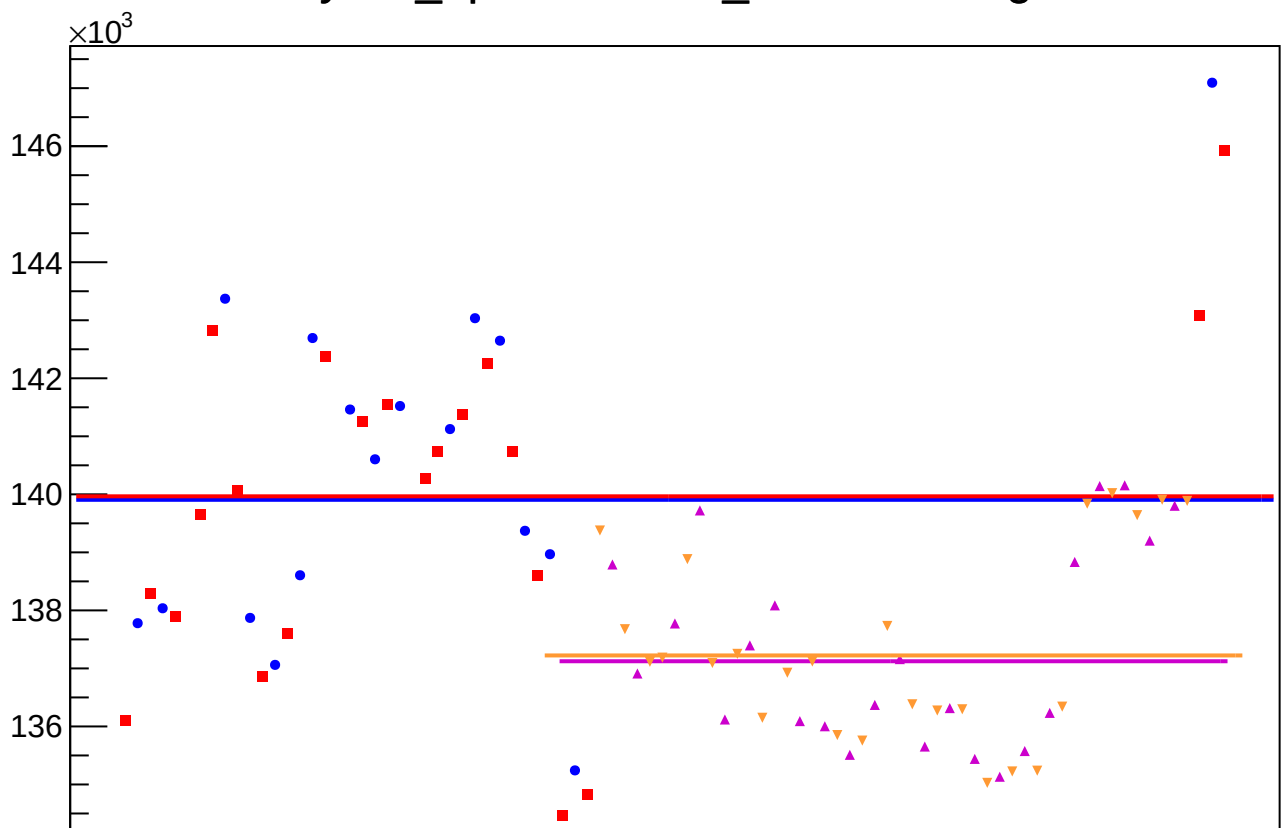
Right Out: 136.817+/-0.036 χ^2/NDF: 2164427.4/20

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 176.931+/-0.026 χ^2/NDF: 4350990.8/41

All: 175.791+/-0.018 χ^2/NDF: 9662616.0/85

- sign 174.672+/-0.025 χ^2/NDF: 5307688.1/43



Right In: 139905.897+/-0.062 χ^2/NDF: 1818878425.0/16

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 139965.880+/-0.058 χ^2/NDF: 2113115099.7/20

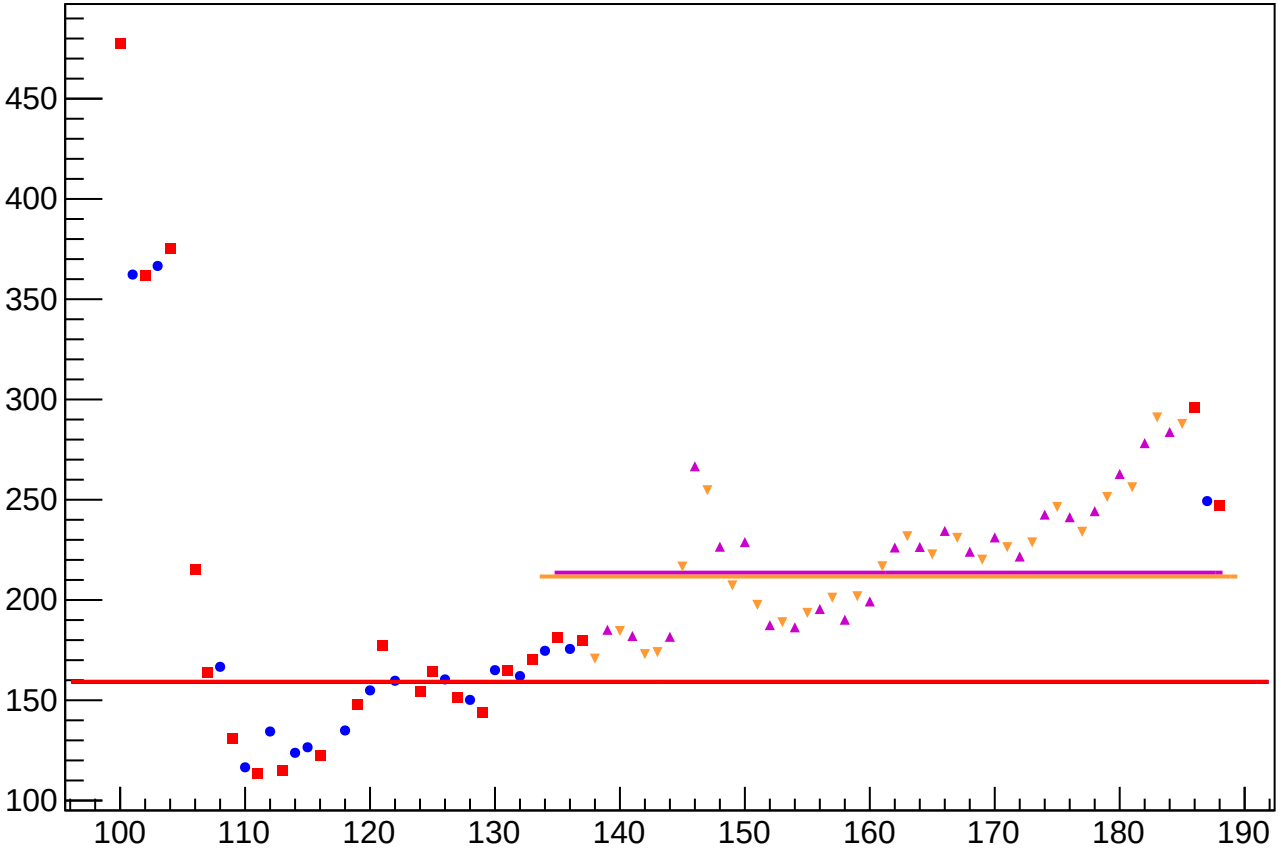
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138251.404+/-0.039 χ^2/NDF: 3859384293.1

All: 138310.007+/-0.027 χ^2/NDF: 82021168

- sign 138367.560+/-0.038 χ^2/NDF: 4338145178.9/

yield_bpm0i02aWS_rms vs Slug



Right In: 159.131+/-0.044 χ^2/NDF: 1066907.7/16

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

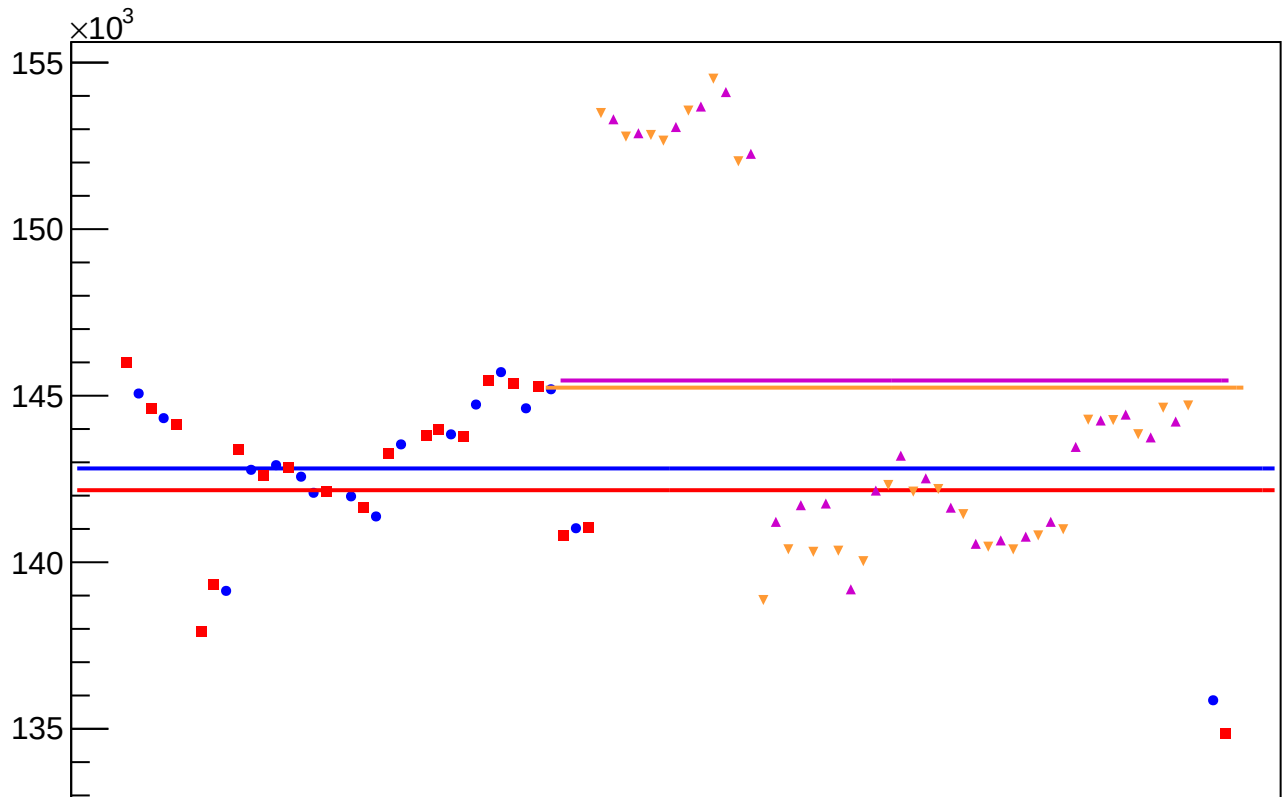
Right Out: 159.236+/-0.041 χ^2/NDF: 1669873.9/20

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 191.566+/-0.027 χ^2/NDF: 2623316.7/41

All: 190.689+/-0.019 χ^2/NDF: 5916350.0/85

- sign 189.829+/-0.027 χ^2/NDF: 3290983.0/43



Right In: 142816.518+/-0.065 χ^2/NDF: 882075001.3/16

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 142163.398+/-0.059 χ^2/NDF: 2575851982.3/20

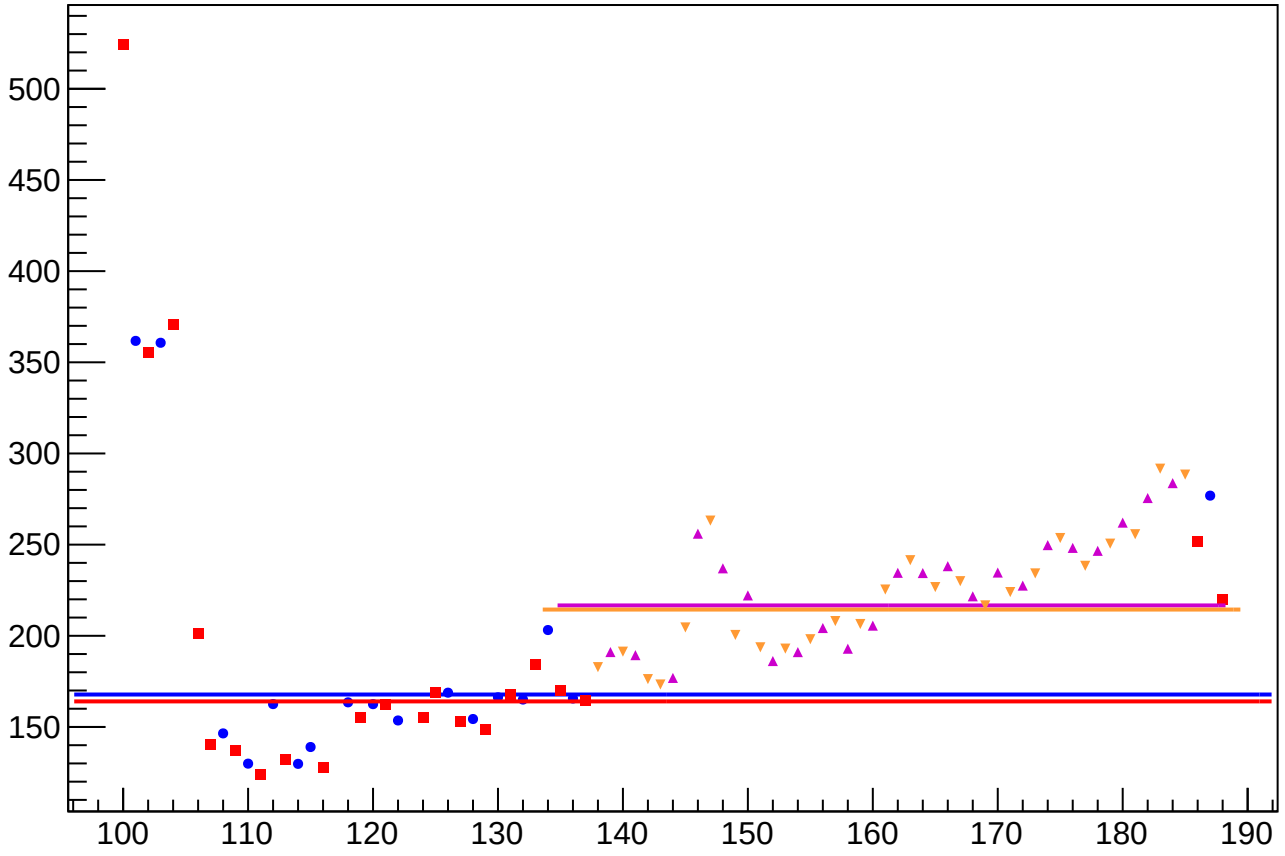
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 144355.091+/-0.040 χ^2/NDF: 14789192378.

All: 144185.717+/-0.028 χ^2/NDF: 30249105

- sign 144022.807+/-0.039 χ^2/NDF: 15423874446.5

yield_bpm0i05WS_rms vs Slug



Right In: 167.798+/-0.046 χ^2/NDF: 921918.1/16

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

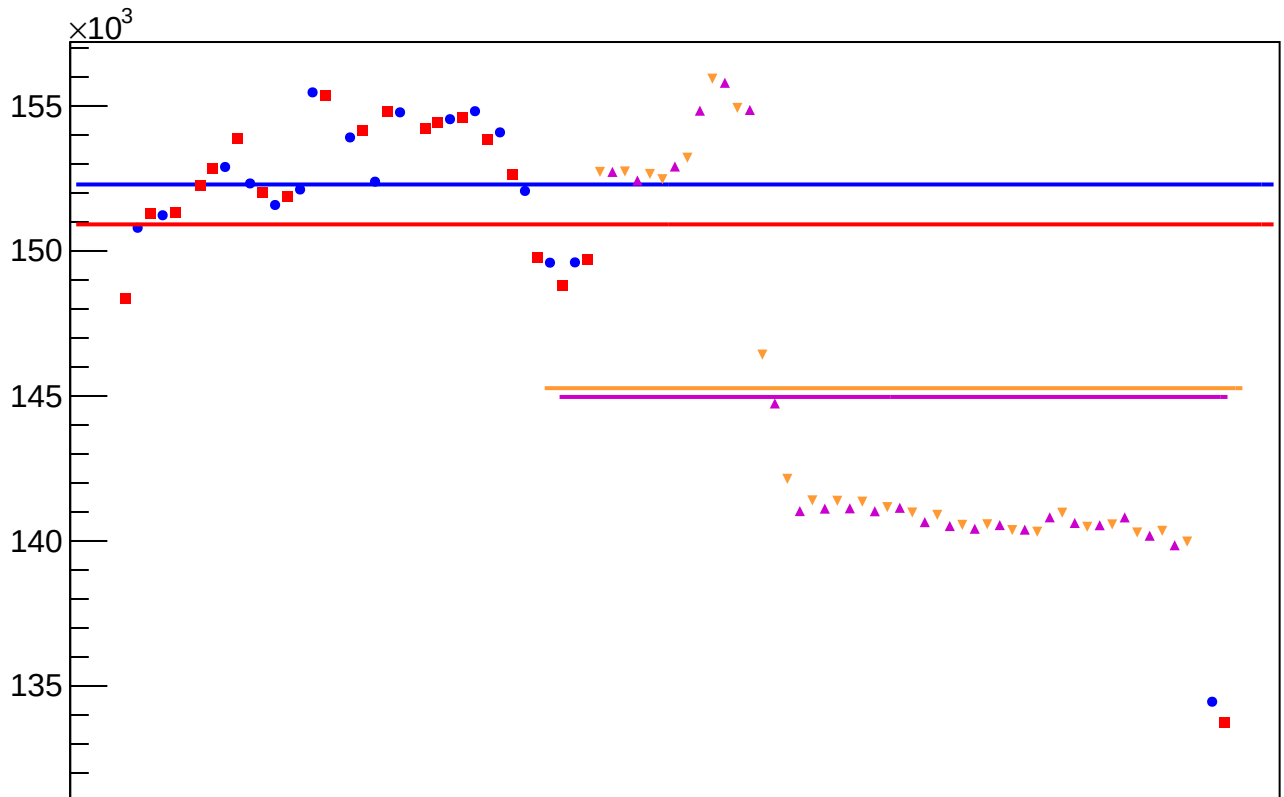
Right Out: 164.022+/-0.042 χ^2/NDF: 1261370.5/20

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 197.350+/-0.028 χ^2/NDF: 2210247.5/41

All: 195.509+/-0.020 χ^2/NDF: 4974020.0/85

- sign 193.738+/-0.027 χ^2/NDF: 2755257.3/43



Right In: 152293.423+/-0.072 χ^2/NDF: 1524114229.4/16

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 150917.021+/-0.063 χ^2/NDF: 9299088405.1/20

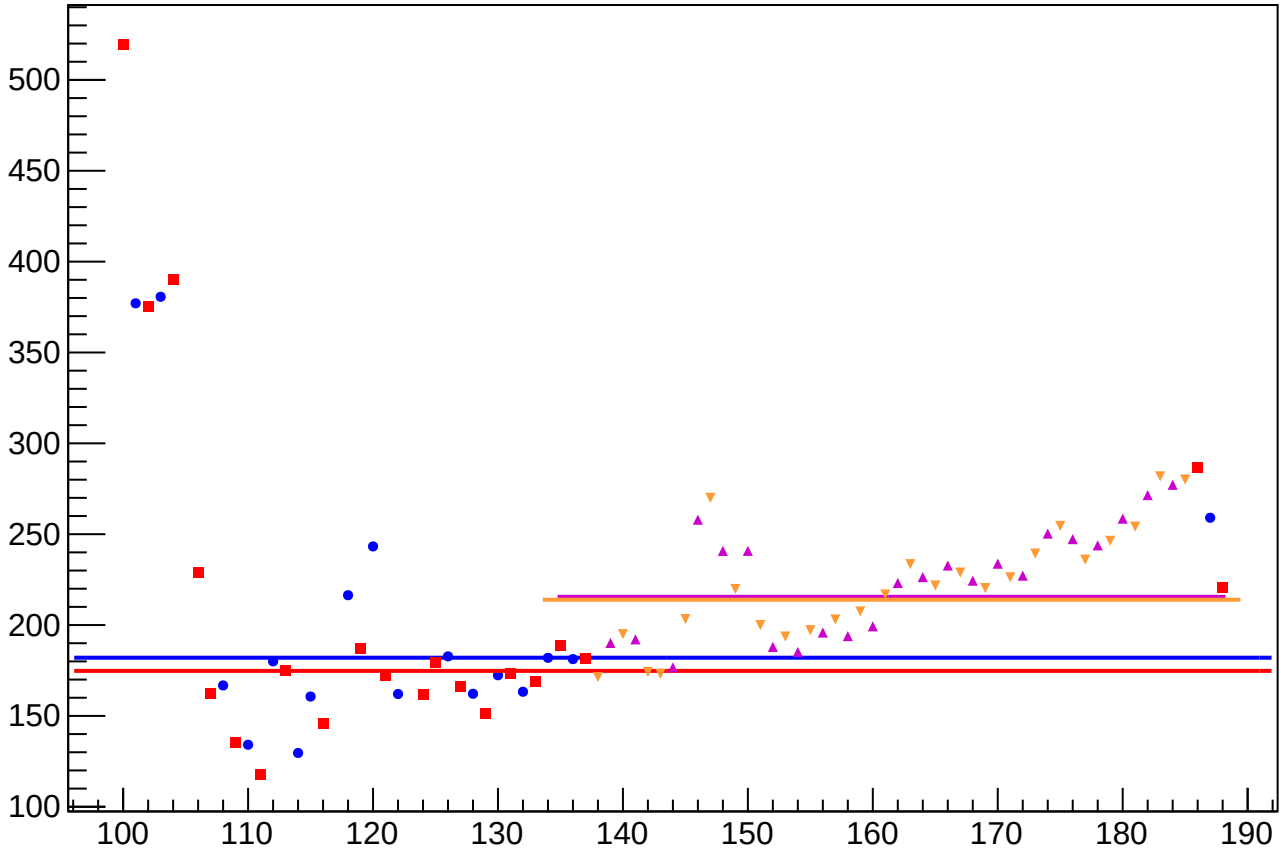
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 147512.708+/-0.041 χ^2/NDF: 21688754935.4

All: 147413.466+/-0.028 χ^2/NDF: 49492757

- sign 147318.695+/-0.040 χ^2/NDF: 27792423555.7

yield_bpm0i07WS_rms vs Slug



Right In: 182.033+/-0.051 χ^2/NDF: 940181.3/16

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

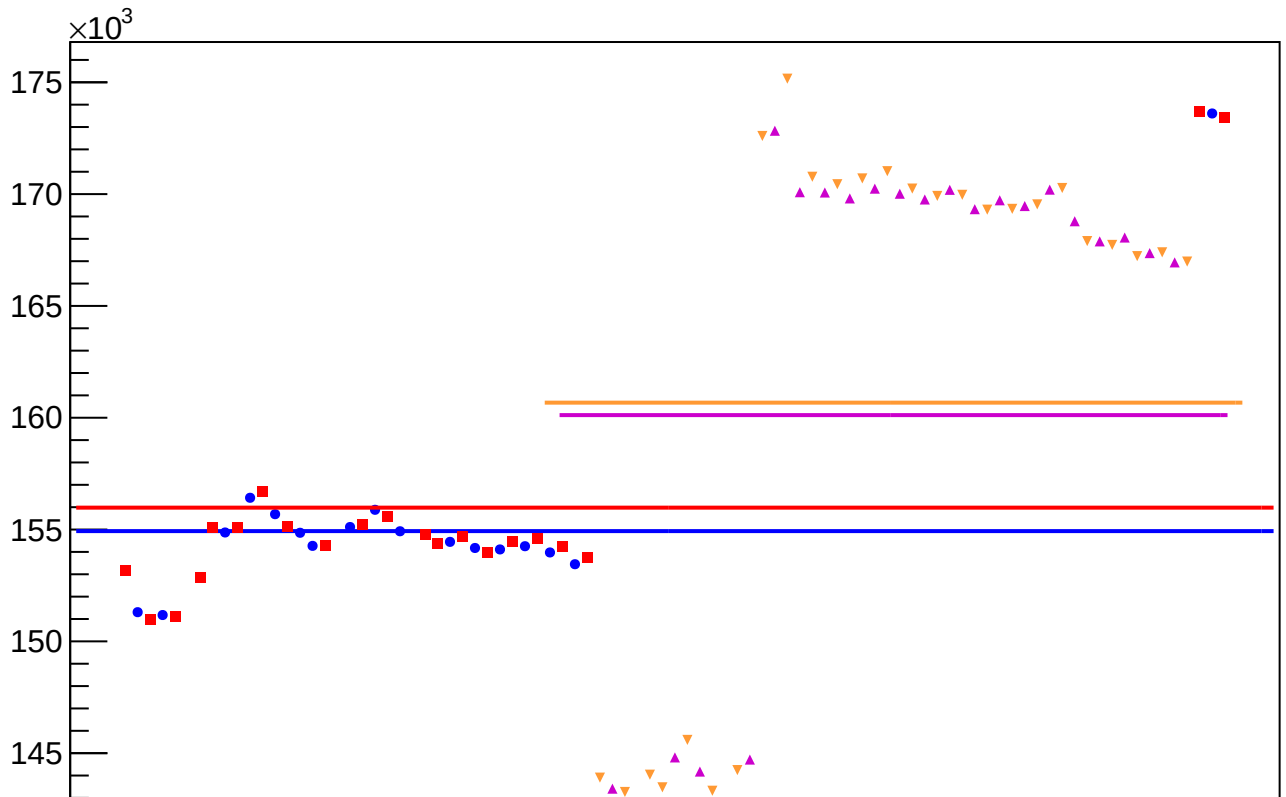
Right Out: 174.781+/-0.045 χ^2/NDF: 1314837.0/20

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 203.759+/-0.029 χ^2/NDF: 1857545.7/41

All: 201.543+/-0.020 χ^2/NDF: 4285442.2/85

- sign 199.427+/-0.028 χ^2/NDF: 2416334.2/43



Right In: 154930.386+/-0.065 χ^2/NDF: 1150216672.8/16

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 155979.544+/-0.059 χ^2/NDF: 6239518267.0/20

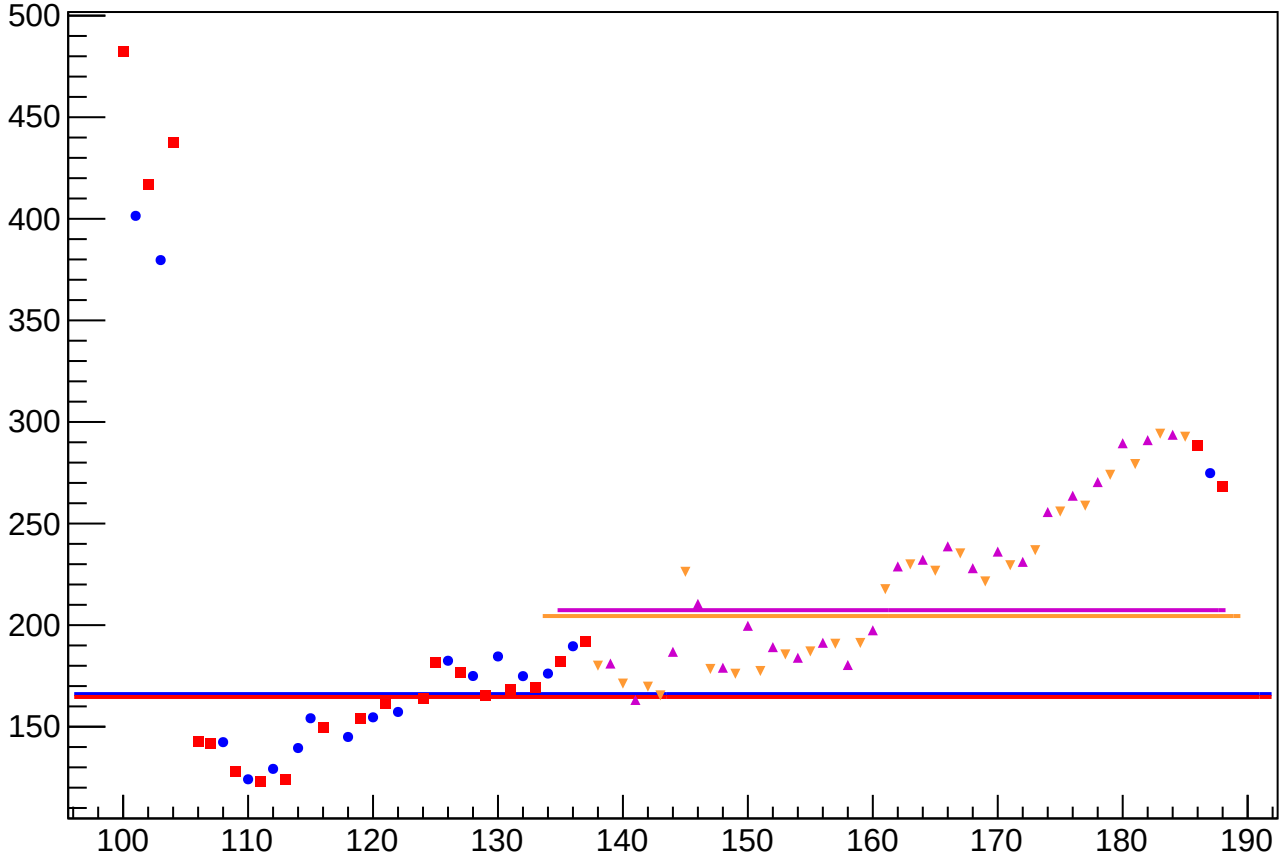
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 158675.159+/-0.038 χ^2/NDF: 80419859520.

All: 158544.147+/-0.027 χ^2/NDF: 15612173

- sign 158415.601+/-0.038 χ^2/NDF: 75678645304.

yield_bpm1i02WS_rms vs Slug



Right In: 166.055+/-0.046 χ^2/NDF: 1132137.4/16

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

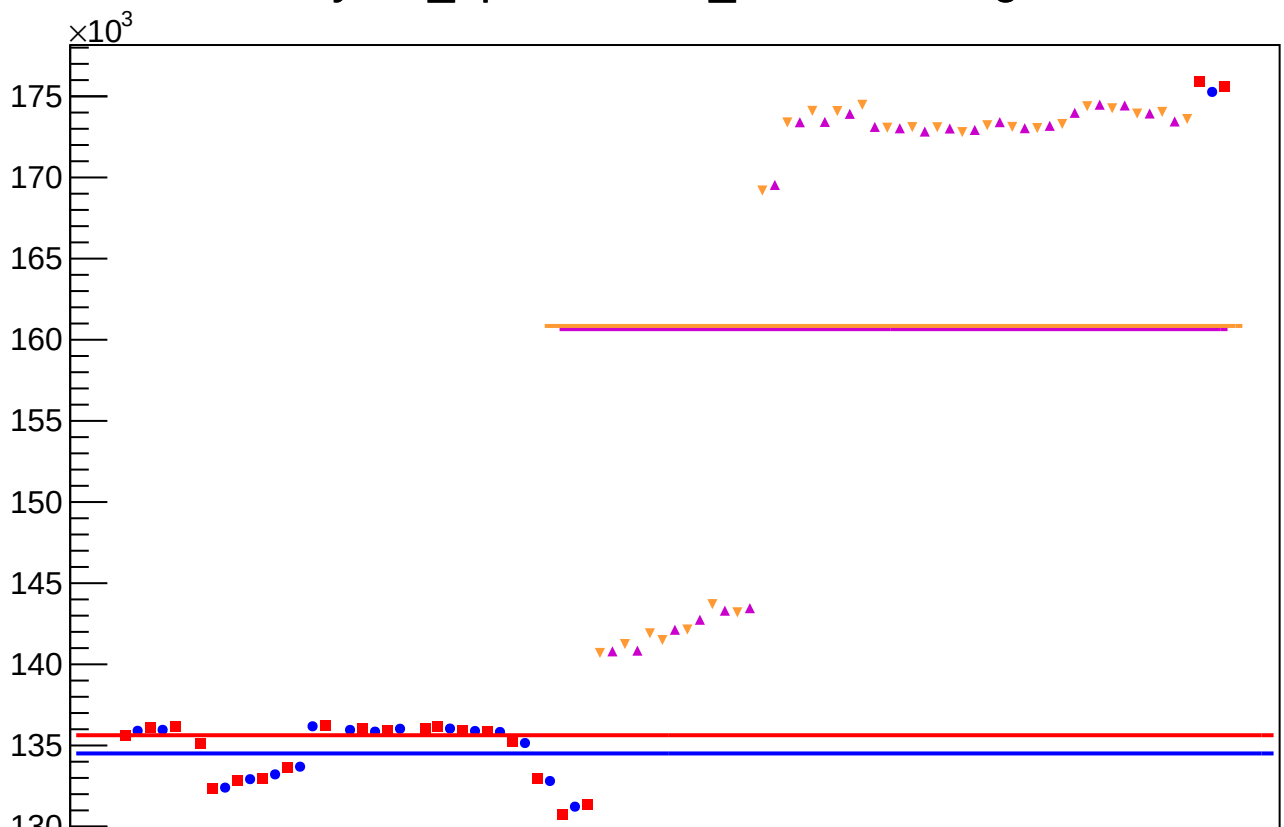
Right Out: 164.646+/-0.042 χ^2/NDF: 1717192.4/20

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 191.102+/-0.027 χ^2/NDF: 2662928.5/41

All: 190.443+/-0.019 χ^2/NDF: 5953189.6/85

- sign 189.797+/-0.027 χ^2/NDF: 3289088.4/43



Right In: 134509.384+/-0.051 χ^2/NDF: 4845090916.4/16

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 135631.811+/-0.047 χ^2/NDF: 27093761503.7/20

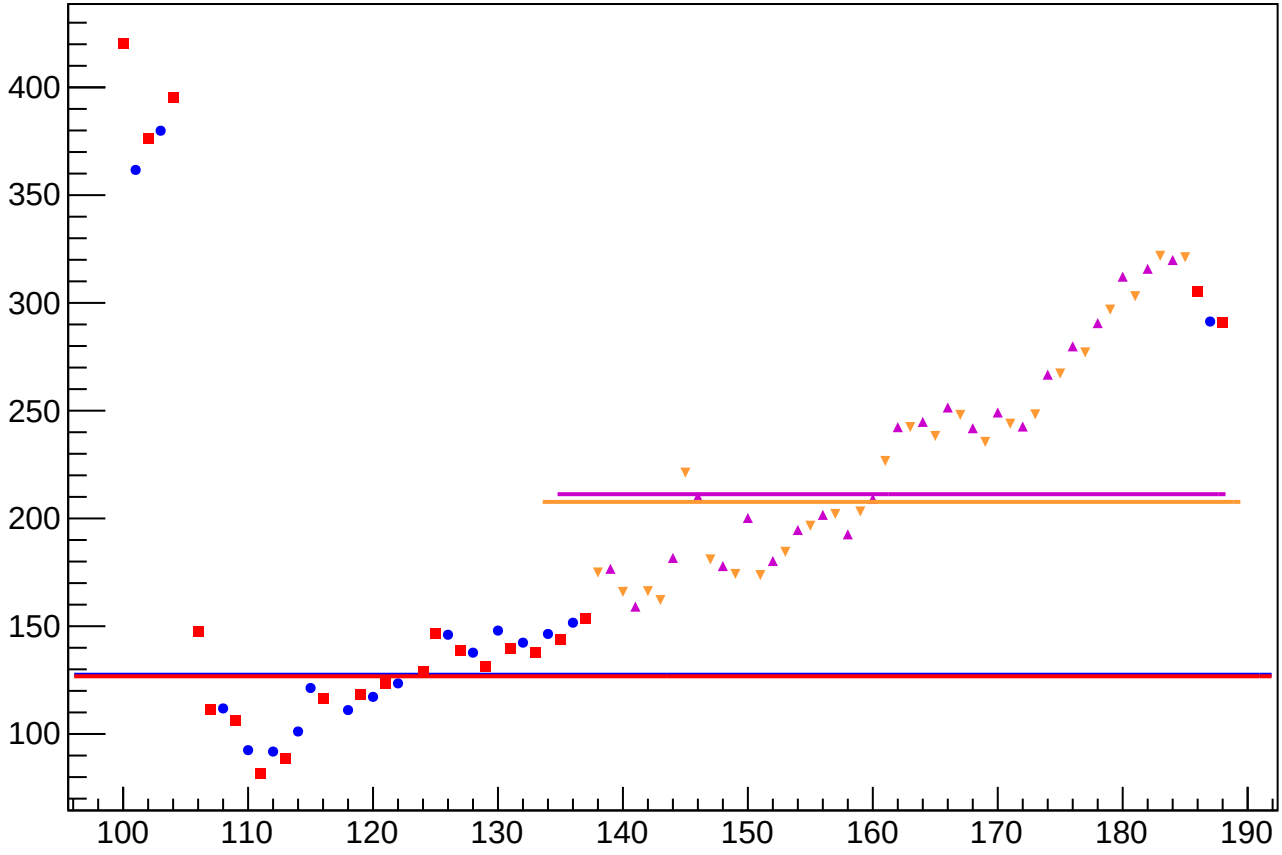
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 148278.217+/-0.035 χ^2/NDF: 24525577961

All: 147759.251+/-0.025 χ^2/NDF: 4938413

- sign 147255.630+/-0.034 χ^2/NDF: 24815266411

yield_bpm1i04WS_rms vs Slug



Right In: 127.489+/-0.036 χ^2/NDF: 1597103.8/16

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

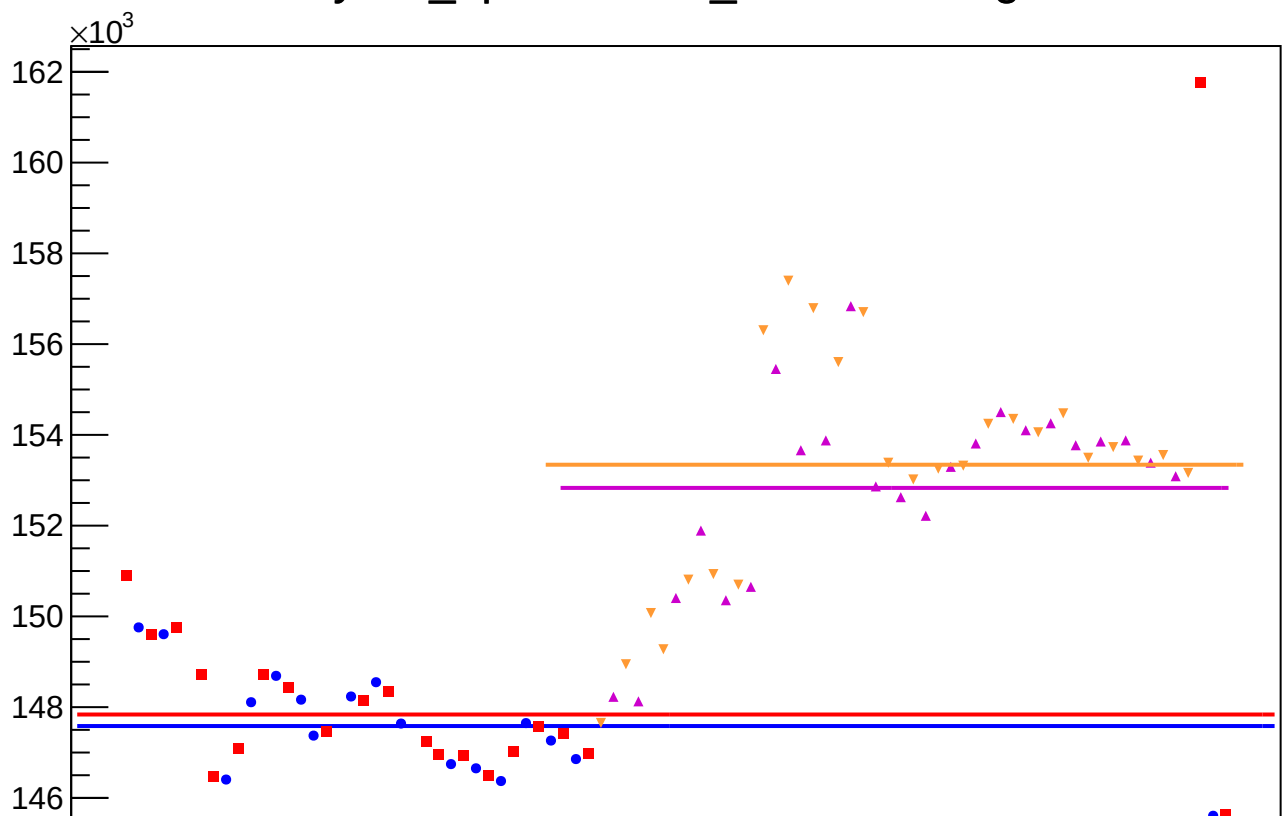
Right Out: 126.763+/-0.033 χ^2/NDF: 2549288.4/20

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 169.410+/-0.025 χ^2/NDF: 5715718.6/41

All: 167.685+/-0.017 χ^2/NDF: 12565457.3/85

- sign 166.012+/-0.024 χ^2/NDF: 6840183.6/43



Right In: 147583.924+/-0.062 χ^2/NDF: 211617498.6/16

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 147838.048+/-0.057 χ^2/NDF: 1158226043.4/20

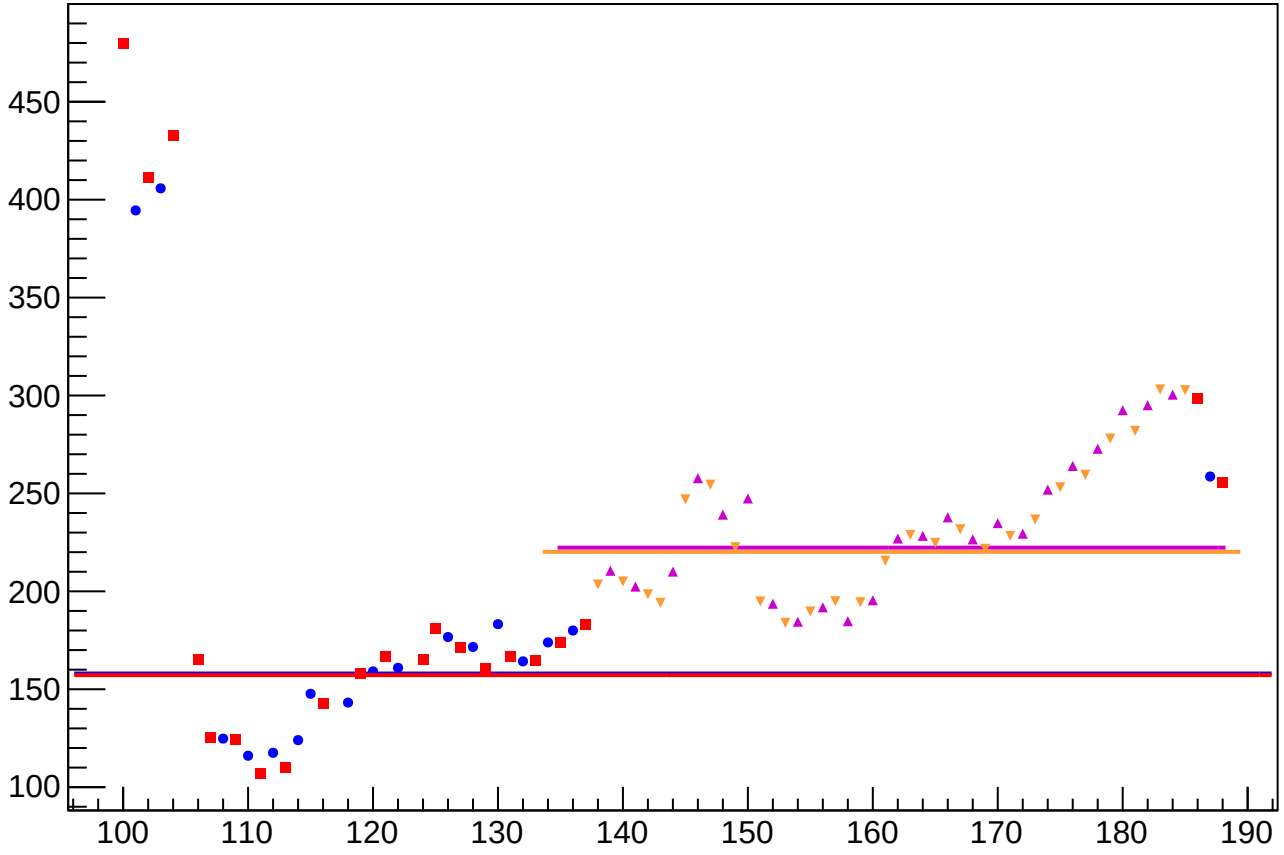
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 151035.372+/-0.039 χ^2/NDF: 8338424347.9

All: 150778.217+/-0.028 χ^2/NDF: 15620136

- sign 150528.485+/-0.039 χ^2/NDF: 7197439371.2/

yield_bpm1i06WS_rms vs Slug



Right In: 158.030+/-0.044 χ^2/NDF: 1323253.4/16

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

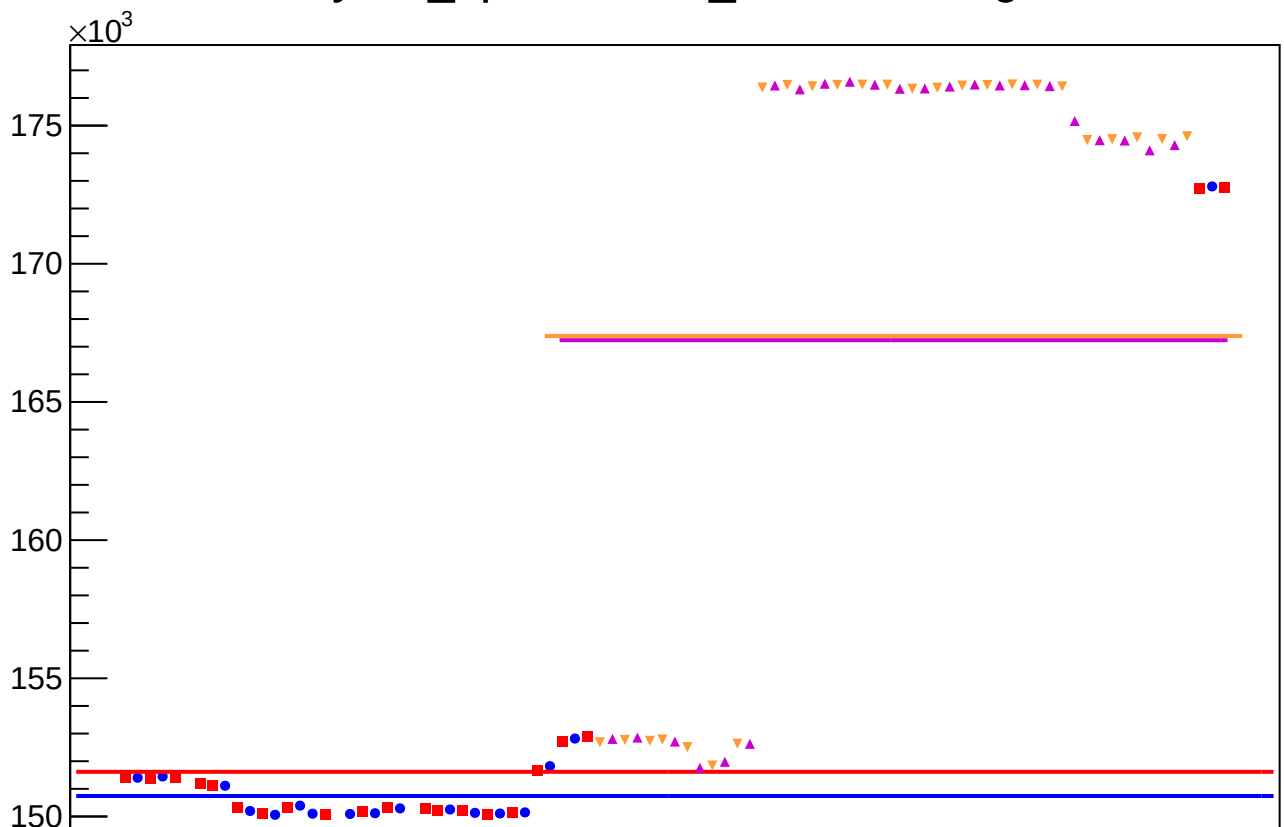
Right Out: 157.204+/-0.040 χ^2/NDF: 1948077.7/20

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 195.266+/-0.028 χ^2/NDF: 3207227.4/41

All: 193.751+/-0.020 χ^2/NDF: 7260965.5/85

- sign 192.280+/-0.027 χ^2/NDF: 4047891.7/43



Right In: 150741.657+/-0.054 χ^2/NDF: 1526841817.7/16

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 151616.751+/-0.050 χ^2/NDF: 9203628484.8/20

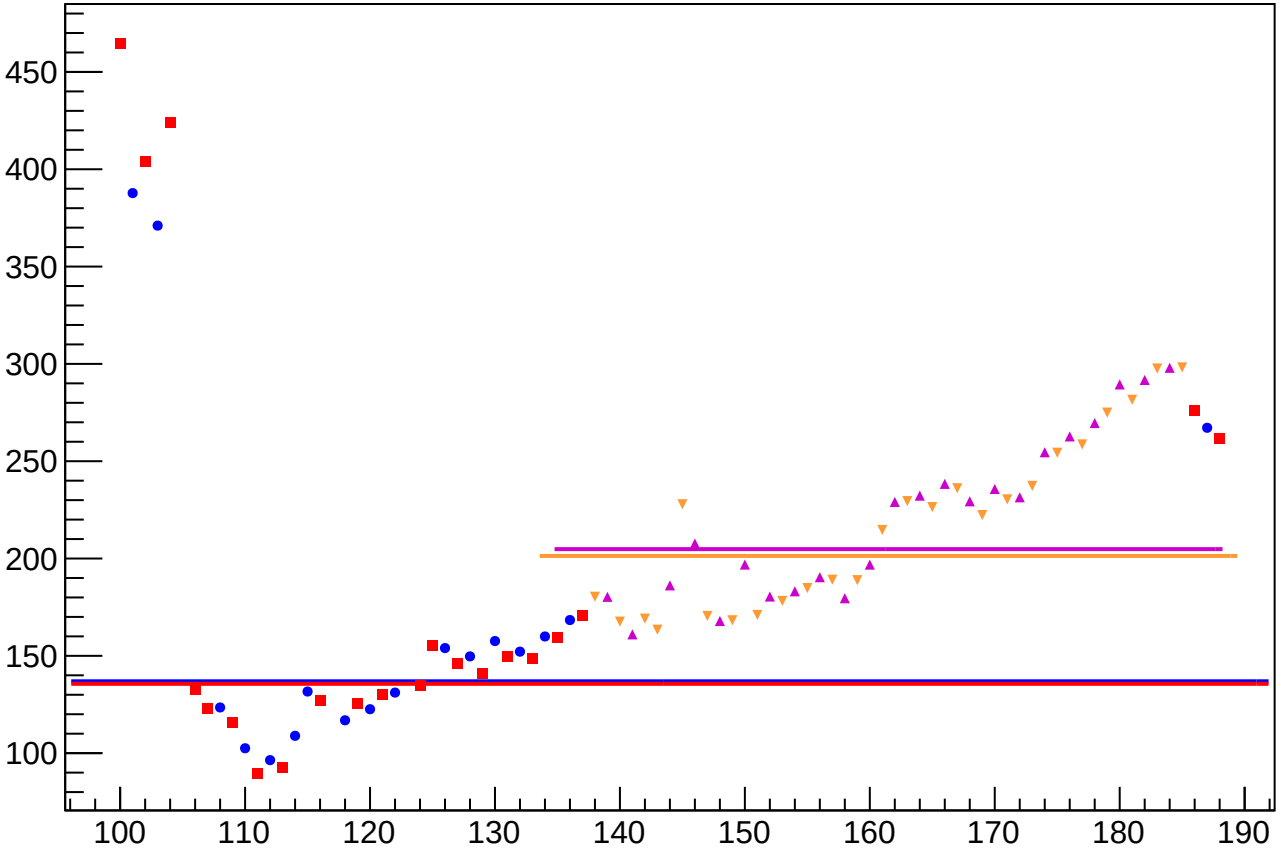
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160317.887+/-0.035 χ^2/NDF: 11499202903

All: 159935.478+/-0.025 χ^2/NDF: 2296704

- sign 159565.540+/-0.035 χ^2/NDF: 114449489382

yield_bpm2i01WS_rms vs Slug



Right In: 136.918+/-0.038 χ^2/NDF: 1506282.4/16

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

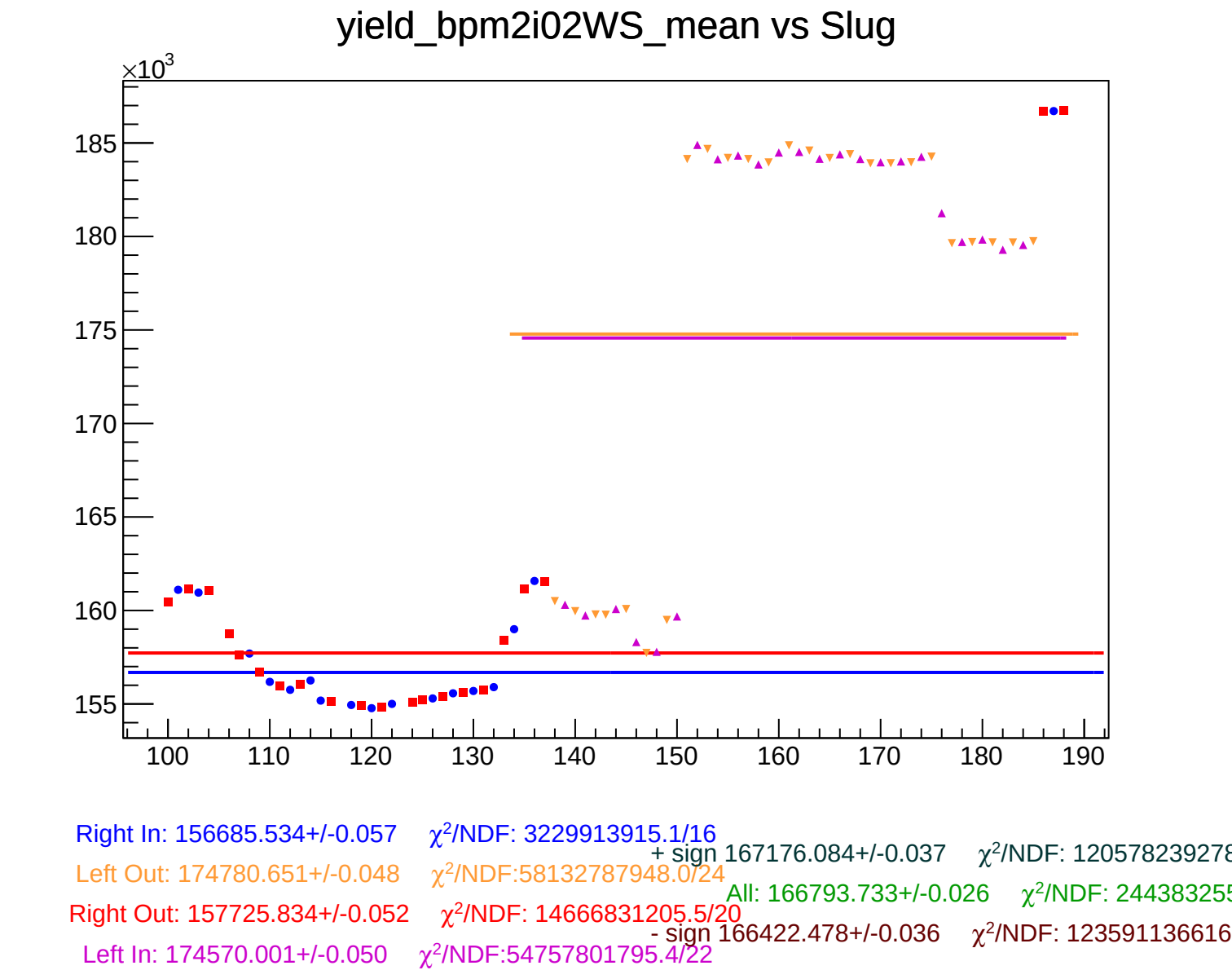
Right Out: 135.630+/-0.035 χ^2/NDF: 2299519.4/20

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

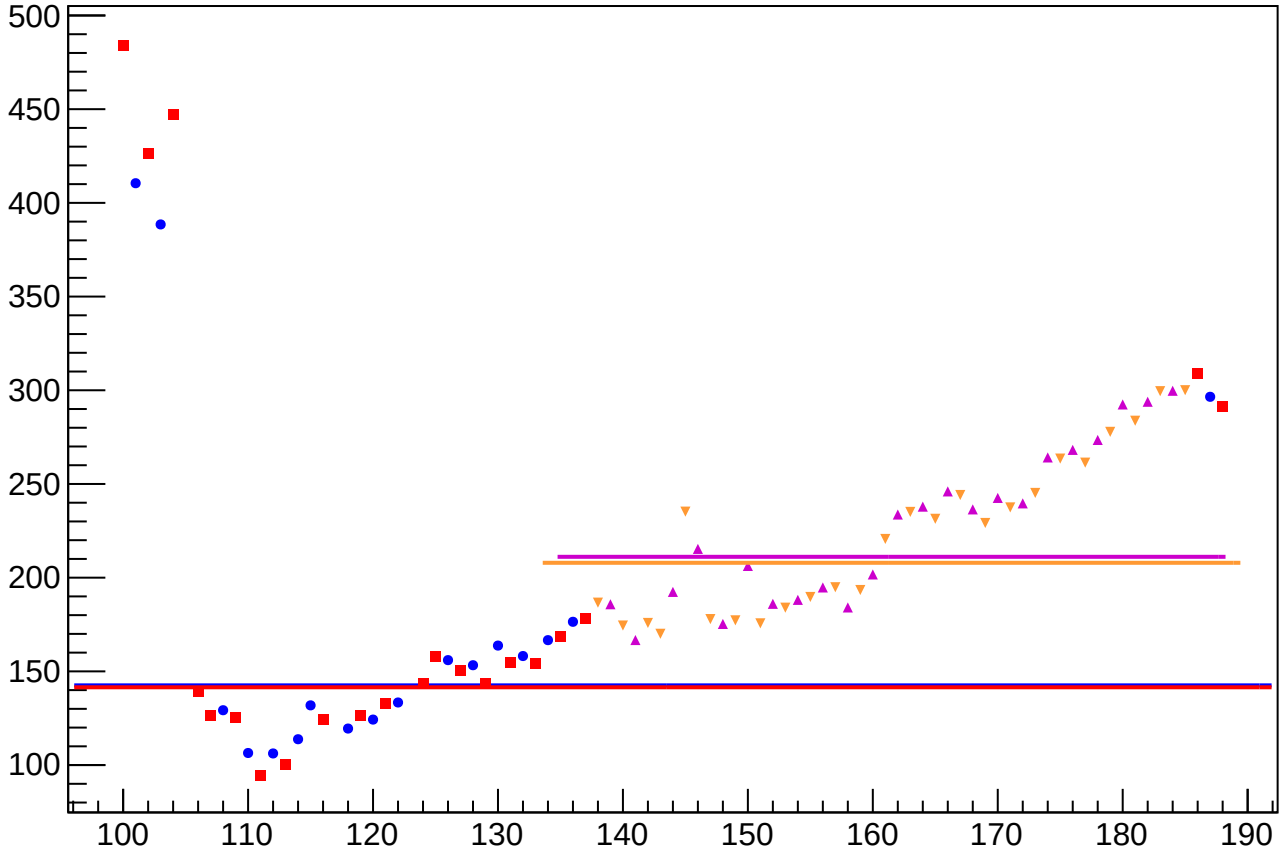
+ sign 173.977+/-0.025 χ^2/NDF: 4350280.4/41

All: 172.387+/-0.018 χ^2/NDF: 9679672.1/85

- sign 170.849+/-0.025 χ^2/NDF: 5321472.4/43


yield_bpm2i02WS_mean vs Slug
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
160
170
180
190
Right In: 156685.534+/-0.057 χ²/NDF: 3229913915.1/16
Left Out: 174780.651+/-0.048 χ²/NDF:58132787948.0/24
Right Out: 157725.834+/-0.052 χ²/NDF: 14666831205.5/20
Left In: 174570.001+/-0.050 χ²/NDF:54757801795.4/22
+ sign 167176.084+/-0.037 χ²/NDF: 12057823927
All: 166793.733+/-0.026 χ²/NDF: 2443832
- sign 166422.478+/-0.036 χ²/NDF: 123591136616

yield_bpm2i02WS_rms vs Slug



Right In: 142.533+/-0.040 χ^2/NDF: 1494047.3/16

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 141.503+/-0.037 χ^2/NDF: 2354955.3/20

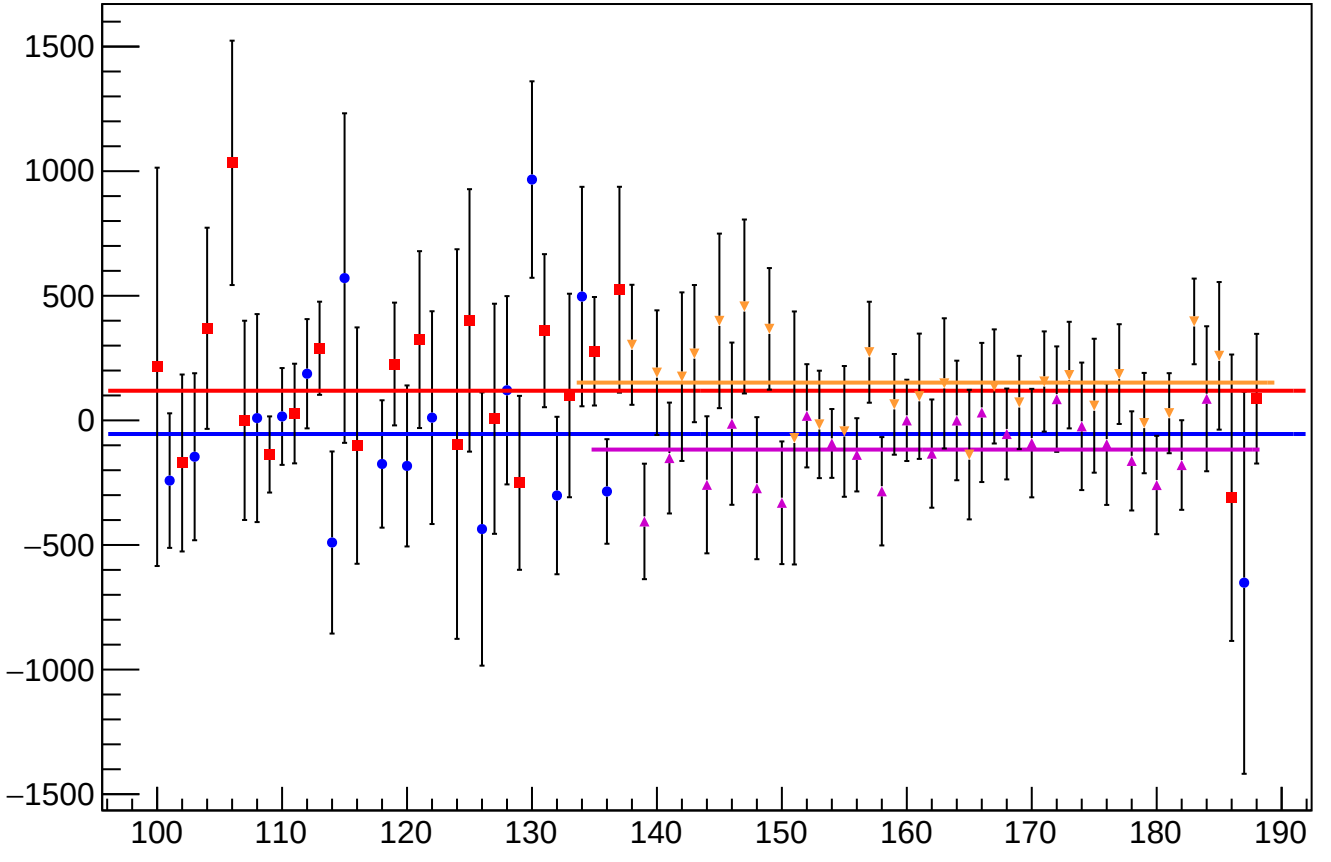
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 180.452+/-0.026 χ^2/NDF: 4173519.0/41

All: 178.931+/-0.018 χ^2/NDF: 9380166.2/85

- sign 177.453+/-0.026 χ^2/NDF: 5199874.0/43

asym_bcm_target_mean vs Slug



Right In: -54.703+/-76.213 χ^2/NDF: 16.0/16

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 118.934+/-65.812 χ^2/NDF: 13.4/20

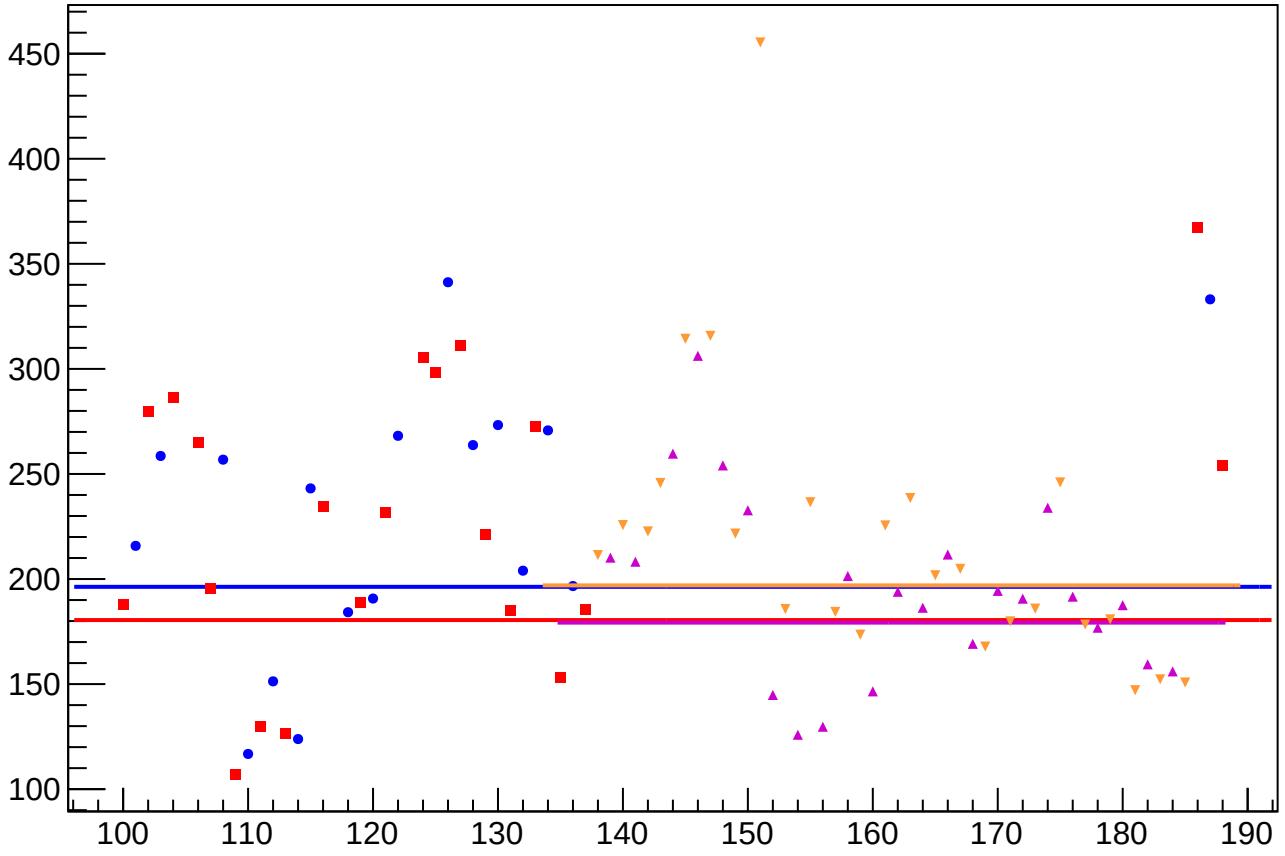
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 95.775+/-39.644 χ^2/NDF: 31.0/41

All: 19.630+/-26.833 χ^2/NDF: 67.6/85

- sign -44.740+/-36.450 χ^2/NDF: 29.8/43

asym_bcm_target_rms vs Slug



Right In: 196.288+/-0.054 χ^2/NDF: 1093210.3/16

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 180.472+/-0.047 χ^2/NDF: 2029367.0/20

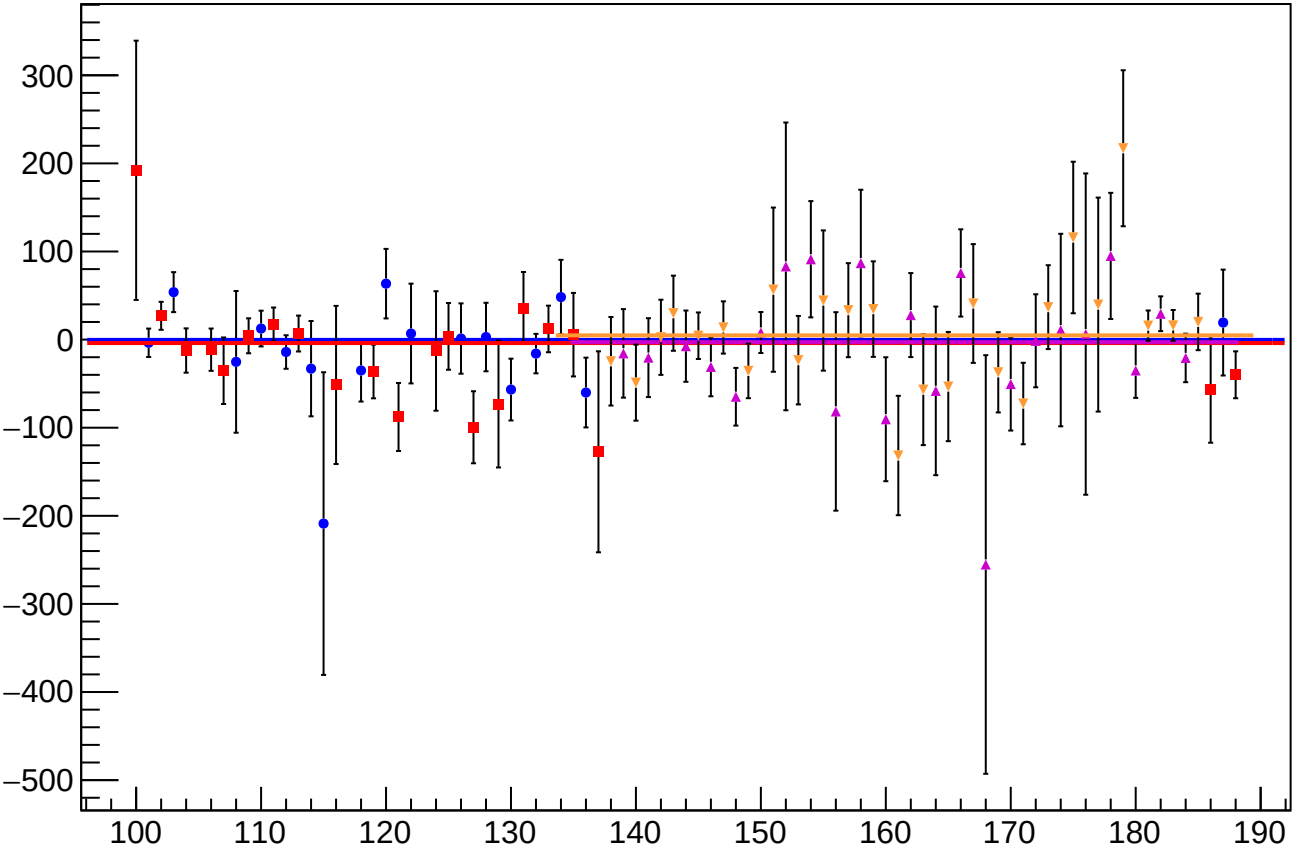
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 196.789+/-0.028 χ^2/NDF: 2902636.3/41

All: 187.490+/-0.019 χ^2/NDF: 6791568.2/85

- sign 179.629+/-0.026 χ^2/NDF: 3685863.6/43

asym_bcm_an_diff_mean vs Slug



Right In: -0.330+/-7.286 χ^2/NDF: 19.0/16

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

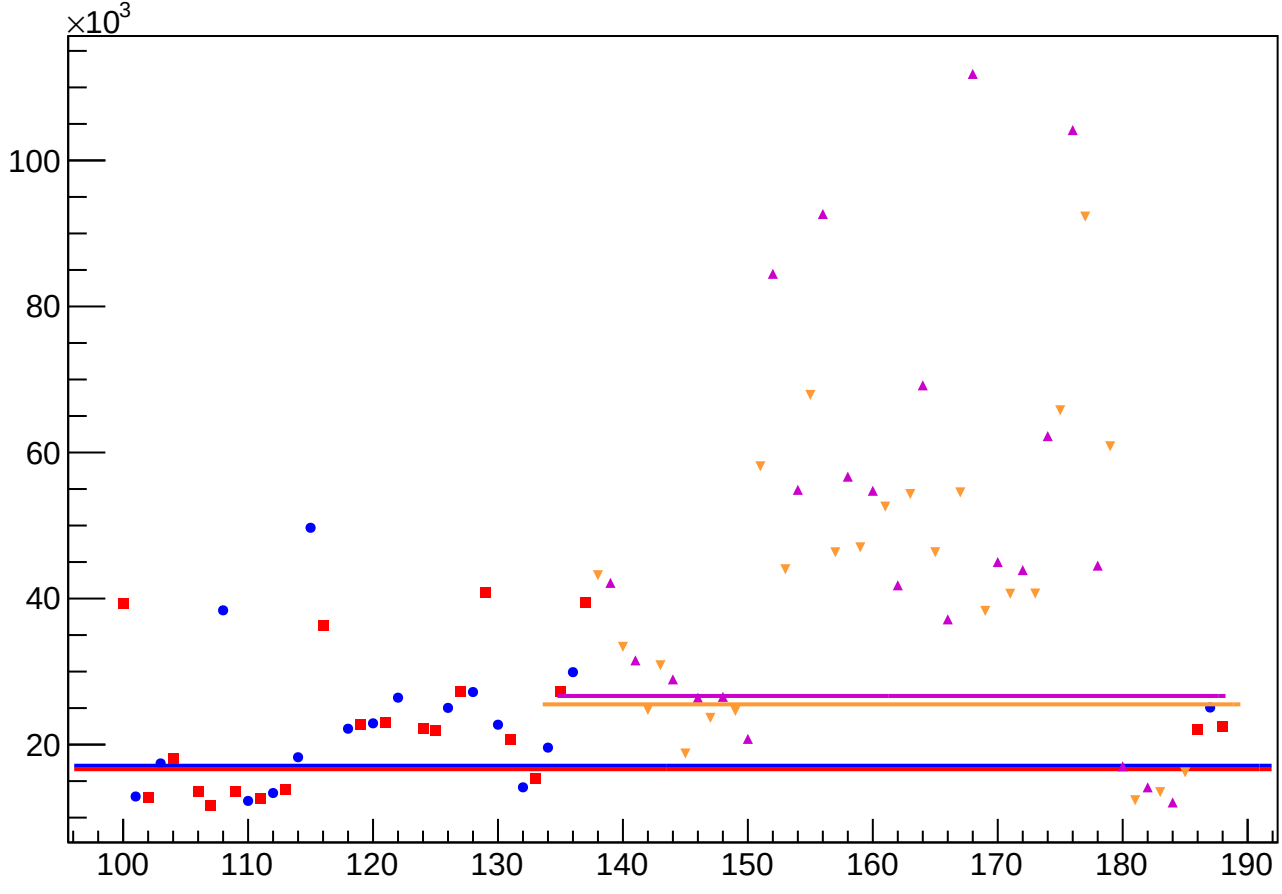
Right Out: -3.926+/-6.520 χ^2/NDF: 25.8/20

Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.128+/-5.260 χ^2/NDF: 43.6/41

All: -0.728+/-3.715 χ^2/NDF: 91.5/85

- sign -3.571+/-5.247 χ^2/NDF: 47.3/43



Right In: 17105.353+/-5.152 χ^2/NDF: 1229811.7/16

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 16626.710+/-4.610 χ^2/NDF: 1372226.0/20

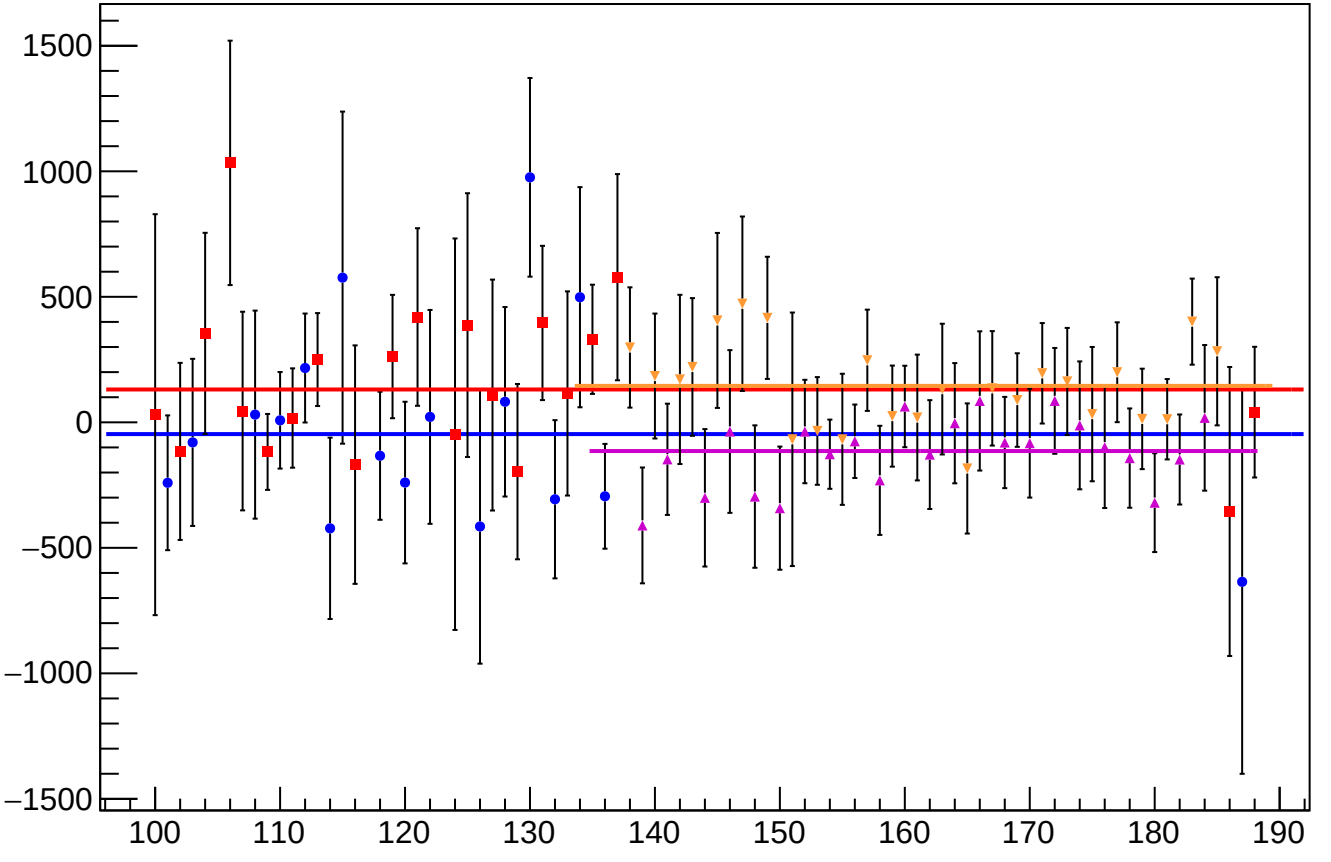
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21131.224+/-3.719 χ^2/NDF: 10247527.5/41

All: 20645.462+/-2.627 χ^2/NDF: 19205833.7

- sign 20162.016+/-3.710 χ^2/NDF: 8924271.6/43

asym_bcm_an_ds_mean vs Slug



Right In: -46.886+/-75.782 χ^2/NDF: 16.1/16

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 130.849+/-65.438 χ^2/NDF: 13.9/20

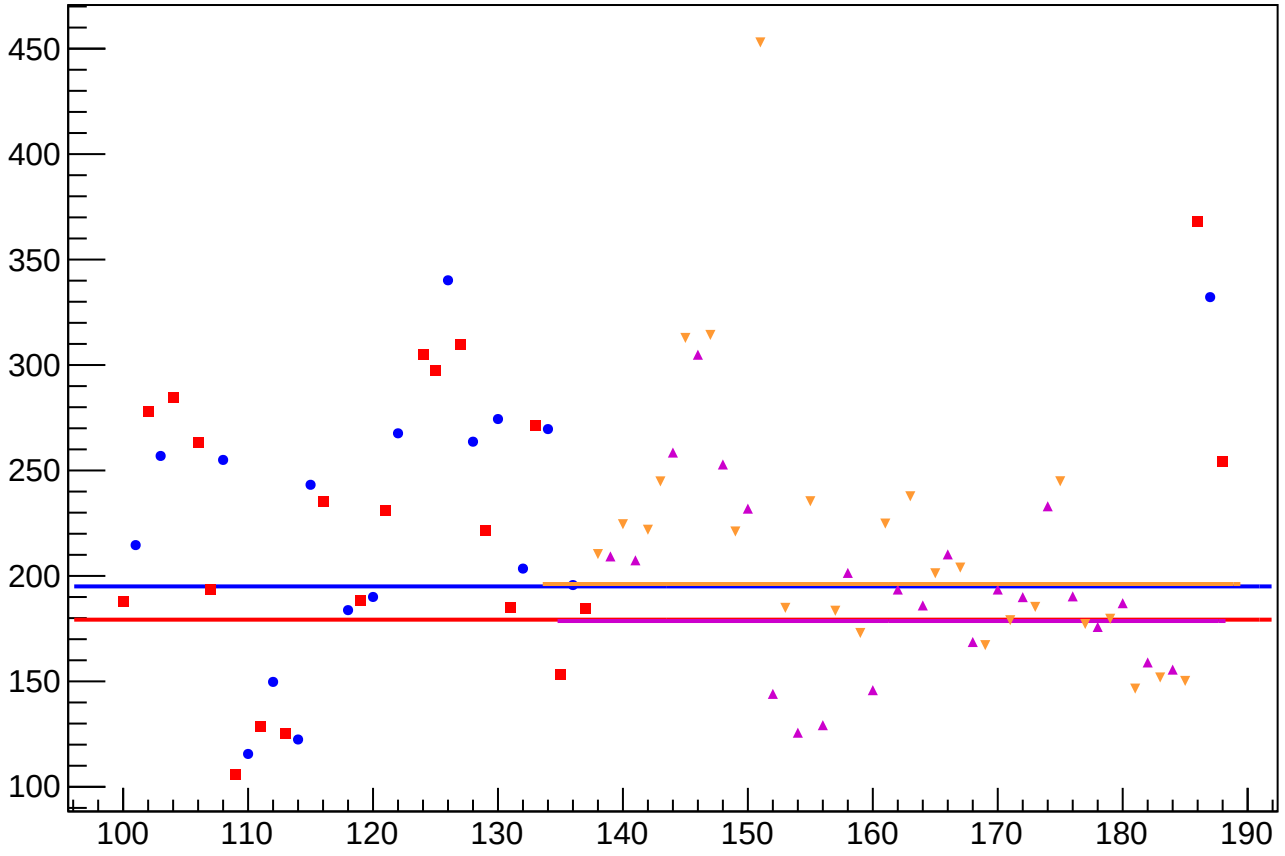
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 93.090+/-39.463 χ^2/NDF: 32.0/41

All: 21.556+/-26.714 χ^2/NDF: 70.0/85

- sign -38.954+/-36.295 χ^2/NDF: 32.0/43

asym_bcm_an_ds_rms vs Slug



Right In: 195.031+/-0.054 χ^2/NDF: 1114754.9/16

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

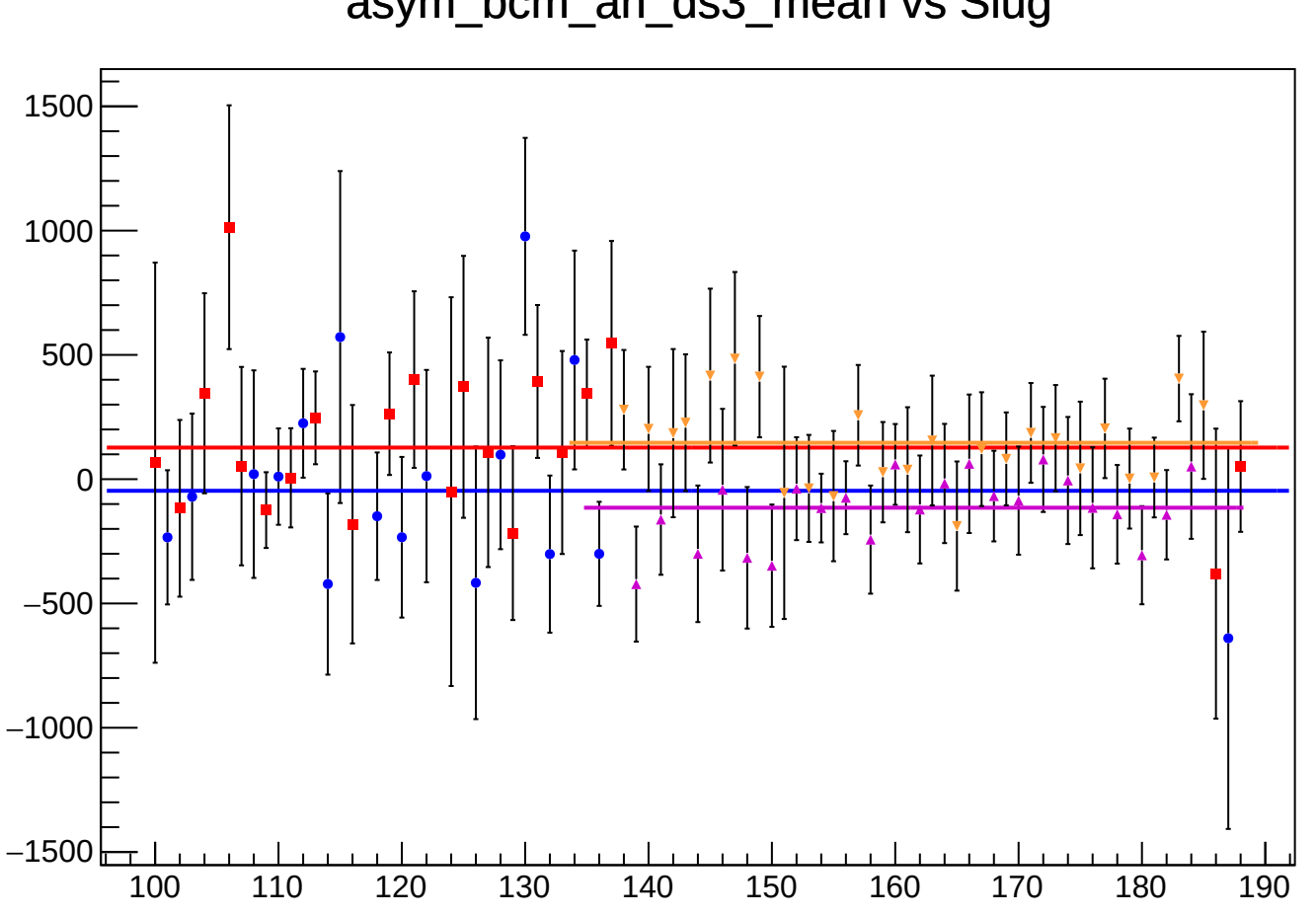
Right Out: 179.263+/-0.046 χ^2/NDF: 2061034.5/20

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 195.858+/-0.028 χ^2/NDF: 2921953.2/41

All: 186.627+/-0.019 χ^2/NDF: 6836993.2/85

- sign 178.818+/-0.026 χ^2/NDF: 3713041.9/43



Right In: -46.707+/-76.200 χ^2/NDF: 16.0/16

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 127.148+/-65.827 χ^2/NDF: 13.8/20

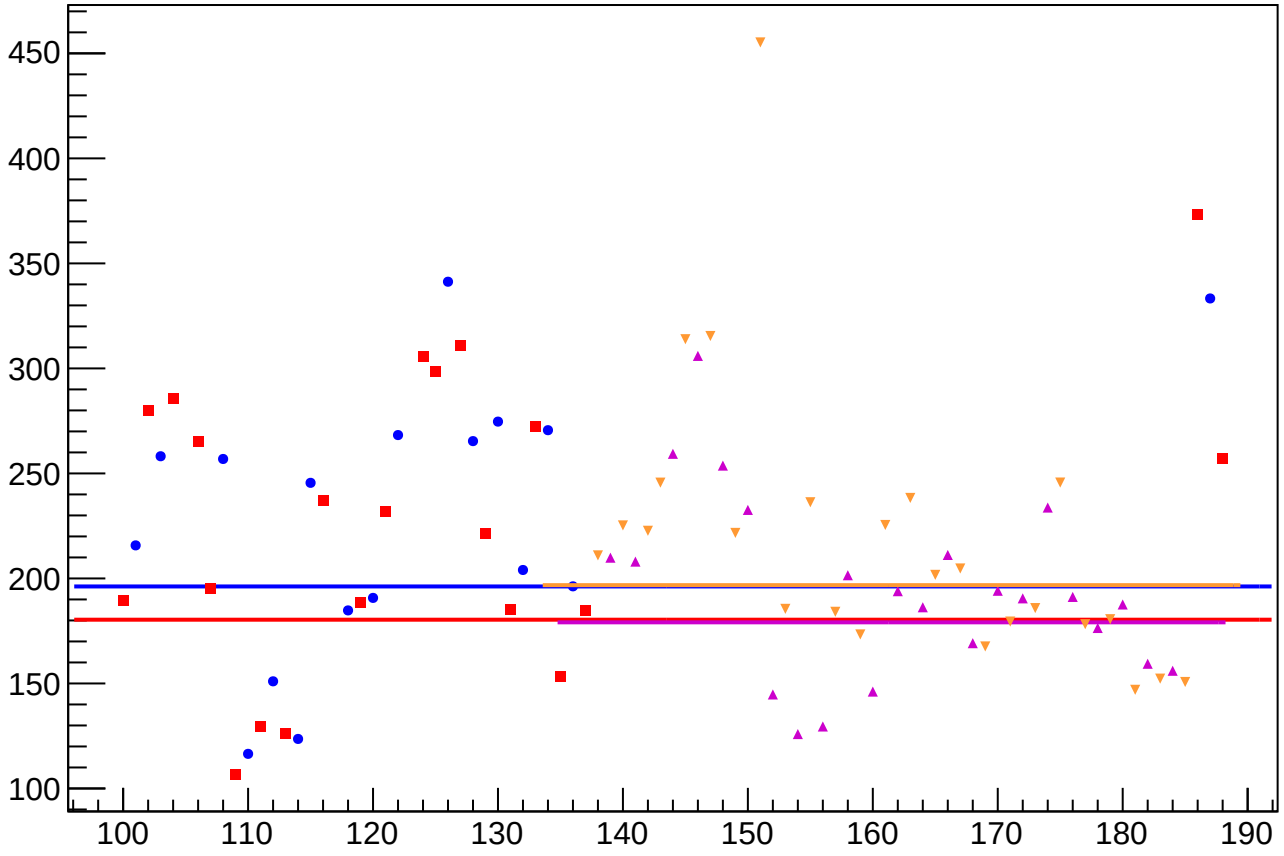
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 94.214+/-39.618 χ^2/NDF: 32.1/41

All: 21.115+/-26.817 χ^2/NDF: 69.9/85

- sign -40.698+/-36.431 χ^2/NDF: 31.5/43

asym_bcm_an_ds3_rms vs Slug



Right In: 196.185+/-0.054 χ^2/NDF: 1103611.5/16

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

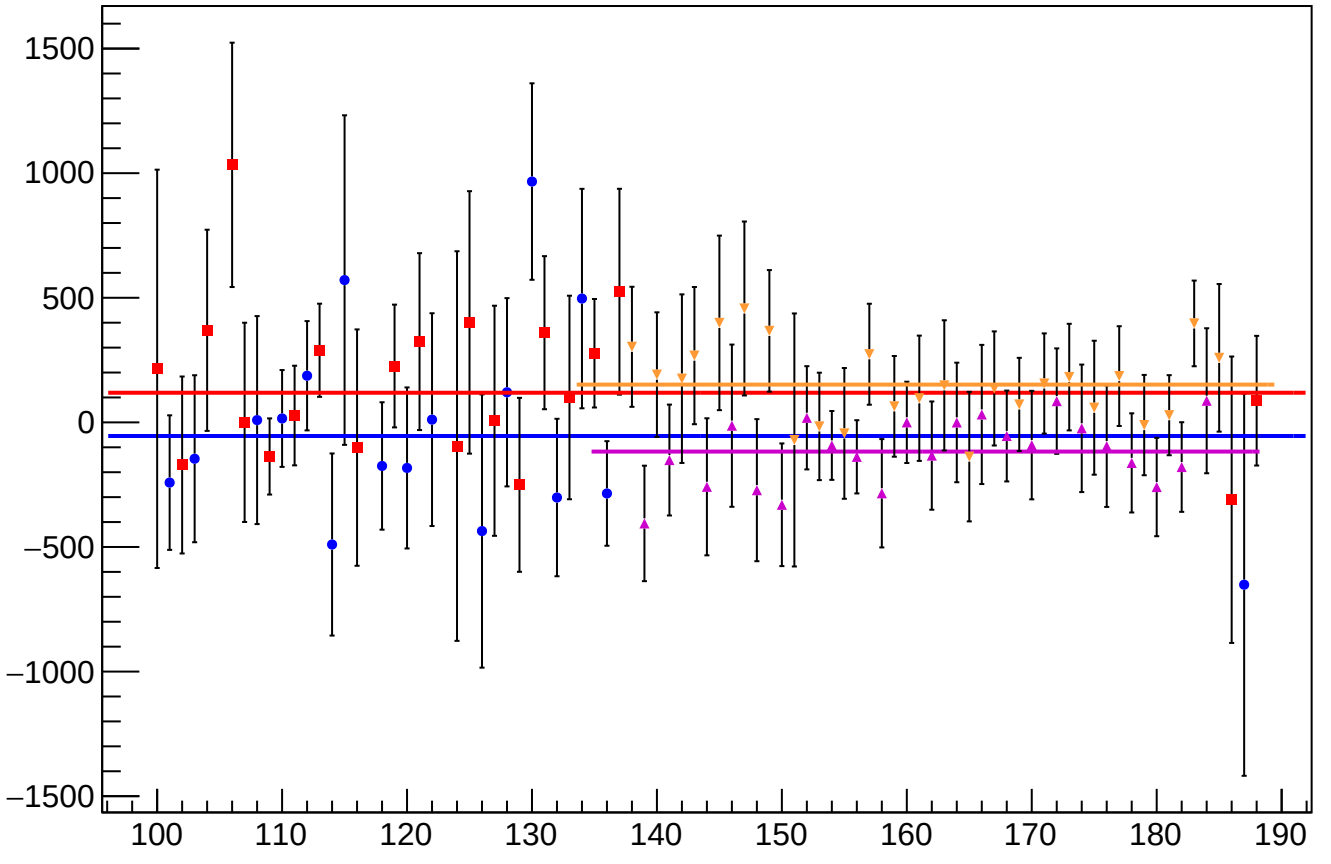
Right Out: 180.357+/-0.047 χ^2/NDF: 2056498.2/20

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 196.638+/-0.028 χ^2/NDF: 2912316.8/41

All: 187.344+/-0.019 χ^2/NDF: 6828307.4/85

- sign 179.486+/-0.026 χ^2/NDF: 3712869.5/43



Right In: -54.703+/-76.213 χ^2/NDF: 16.0/16

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 118.934+/-65.812 χ^2/NDF: 13.4/20

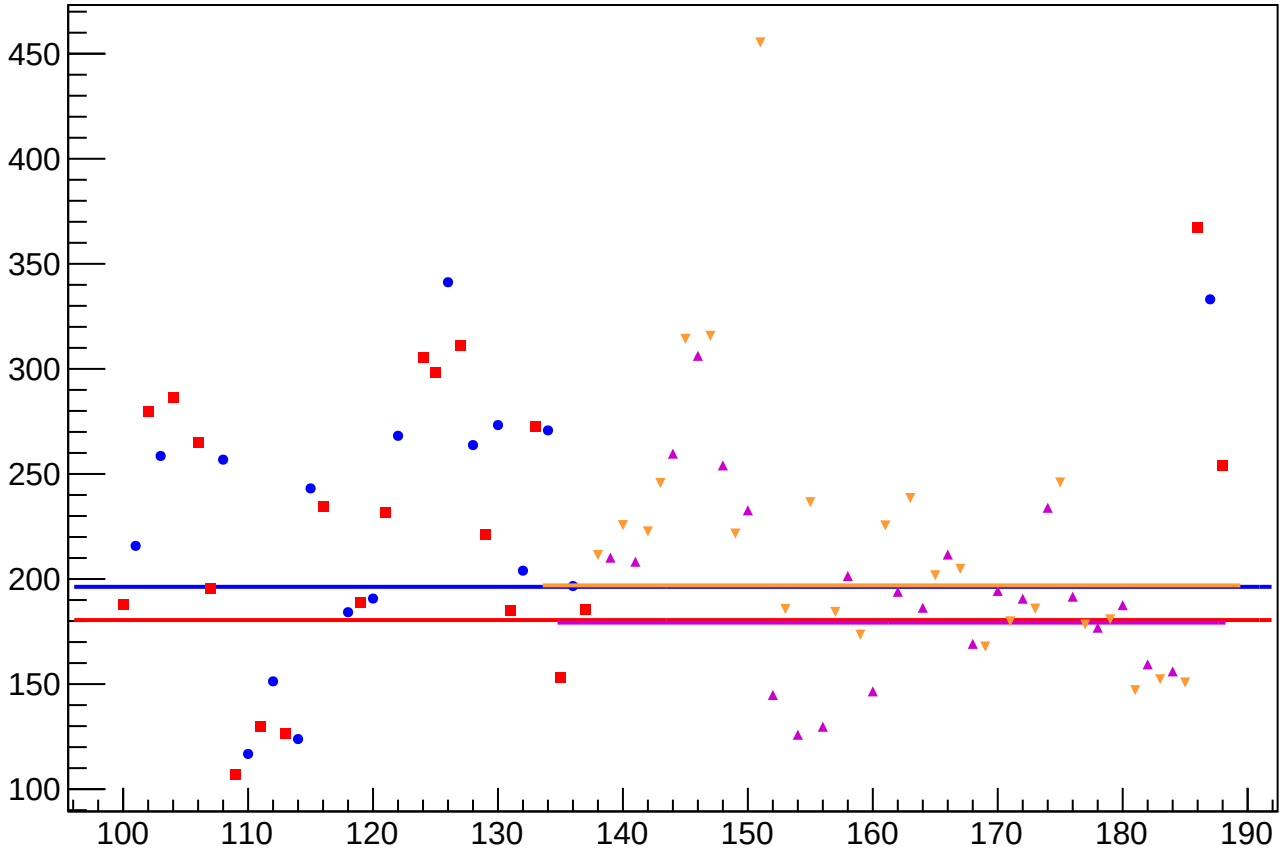
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 95.775+/-39.644 χ^2/NDF: 31.0/41

All: 19.630+/-26.833 χ^2/NDF: 67.6/85

- sign -44.740+/-36.450 χ^2/NDF: 29.8/43

asym_bcm_an_us_rms vs Slug



Right In: 196.288+/-0.054 χ^2/NDF: 1093210.3/16

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 180.472+/-0.047 χ^2/NDF: 2029367.0/20

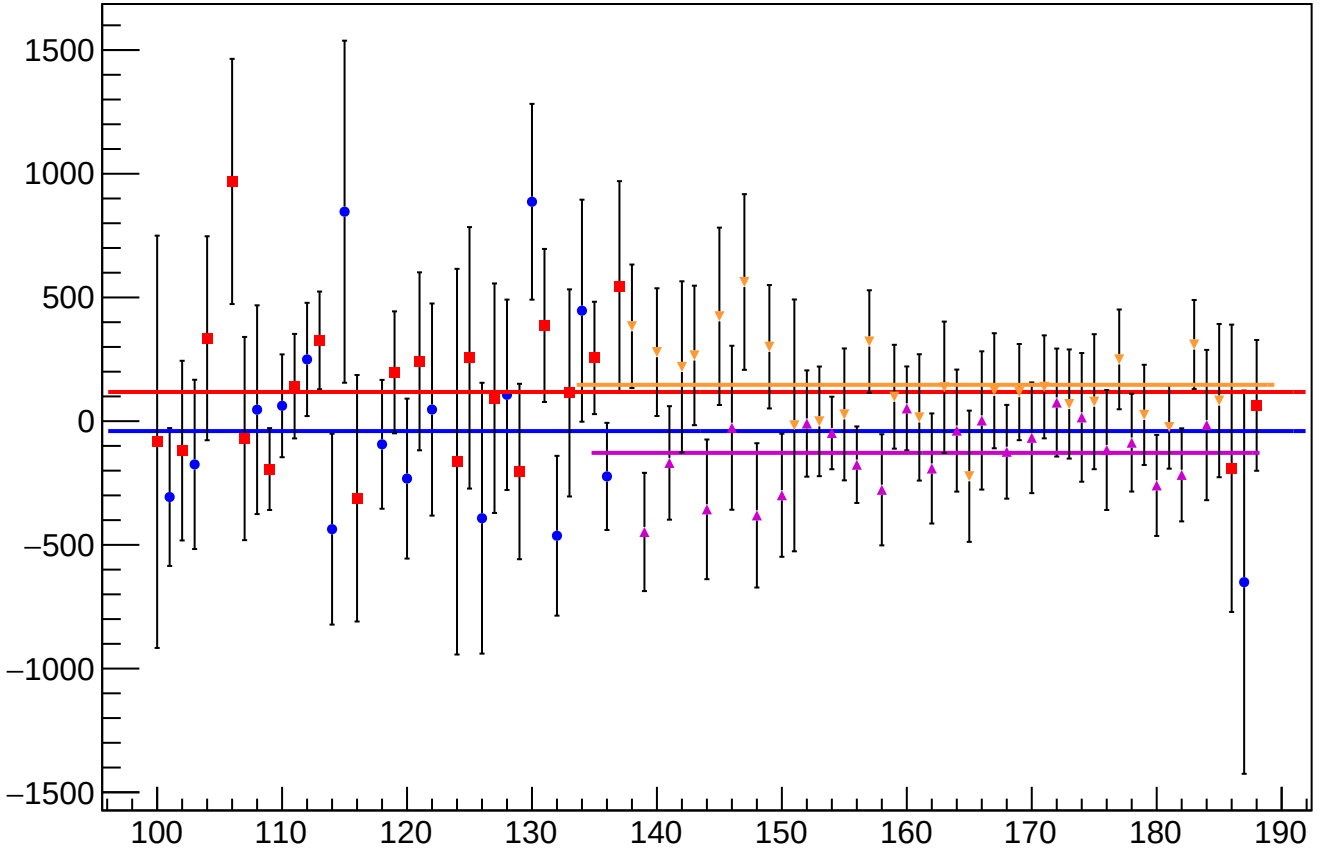
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 196.789+/-0.028 χ^2/NDF: 2902636.3/41

All: 187.490+/-0.019 χ^2/NDF: 6791568.2/85

- sign 179.629+/-0.026 χ^2/NDF: 3685863.6/43

asym_bcm_dg_us_mean vs Slug



Right In: -40.083+/-78.588 χ^2/NDF: 16.4/16

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 117.970+/-68.369 χ^2/NDF: 13.0/20

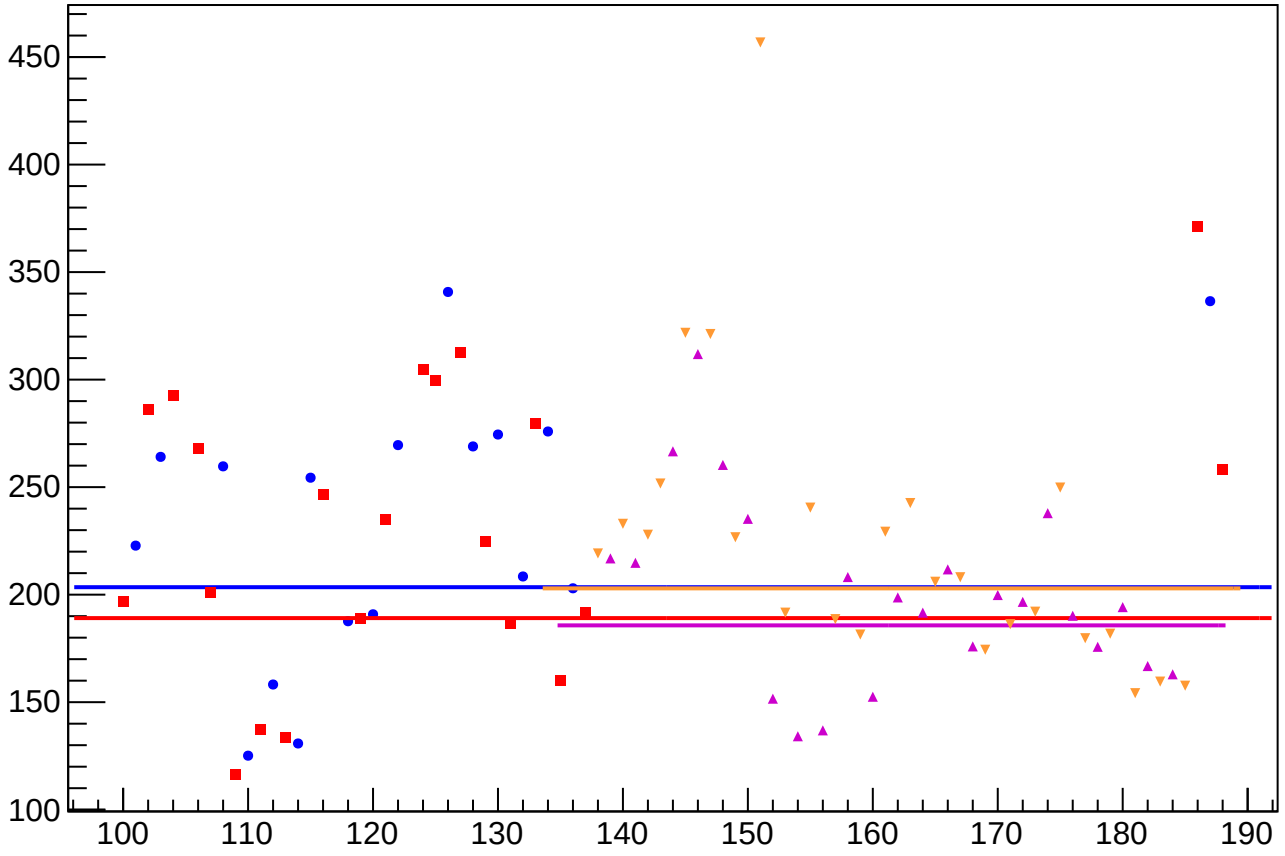
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 96.600+/-40.782 χ^2/NDF: 30.7/41

All: 15.782+/-27.685 χ^2/NDF: 68.6/85

- sign -53.300+/-37.705 χ^2/NDF: 30.6/43

asym_bcm_dg_us_rms vs Slug



Right In: 203.474+/-0.056 χ^2/NDF: 969849.4/16

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 189.098+/-0.048 χ^2/NDF: 1798997.9/20

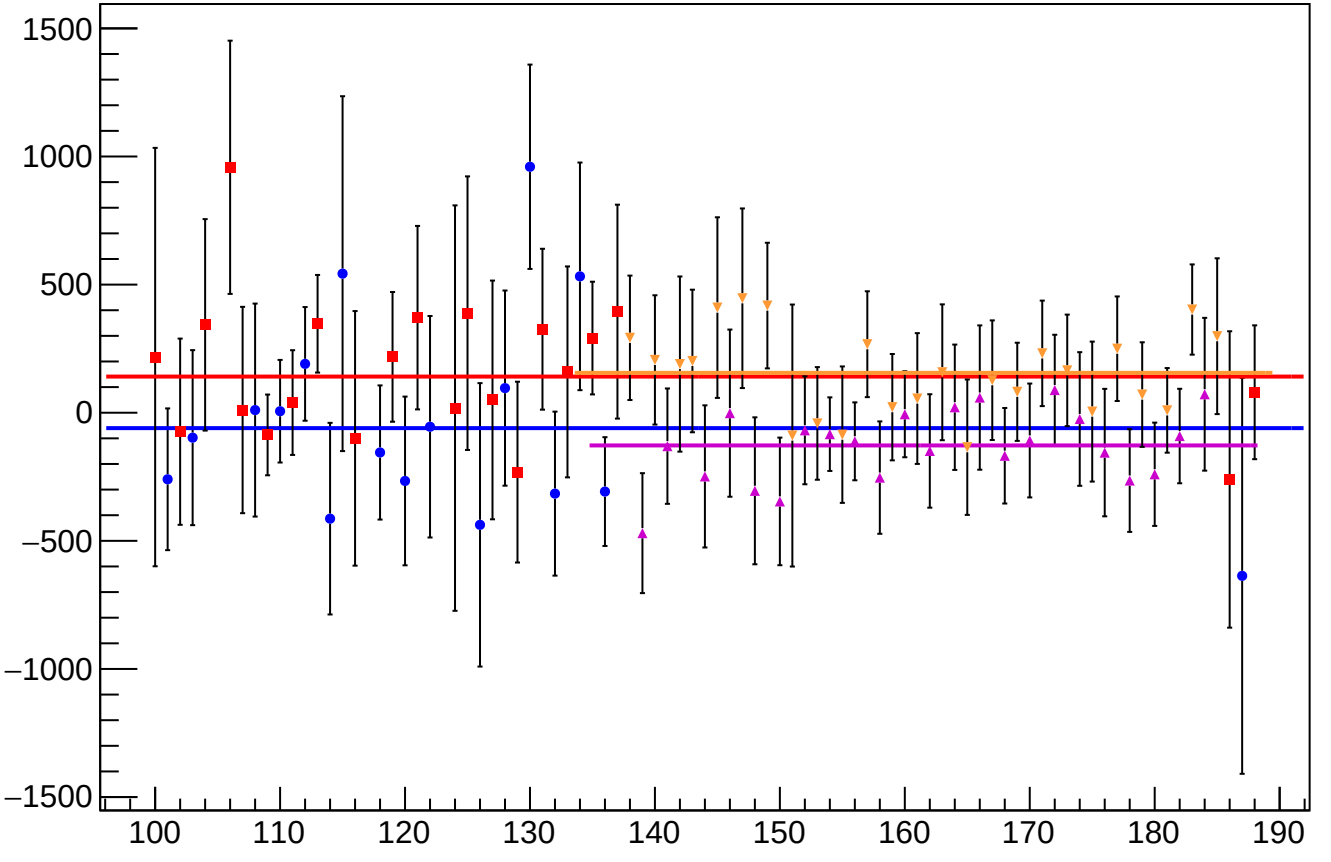
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 203.069+/-0.029 χ^2/NDF: 2670037.1/41

All: 194.268+/-0.020 χ^2/NDF: 6134704.8/85

- sign 186.745+/-0.027 χ^2/NDF: 3291891.6/43

asym_bcm_dg_ds_mean vs Slug



Right In: -60.124+/-77.552 χ^2/NDF: 15.6/16

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

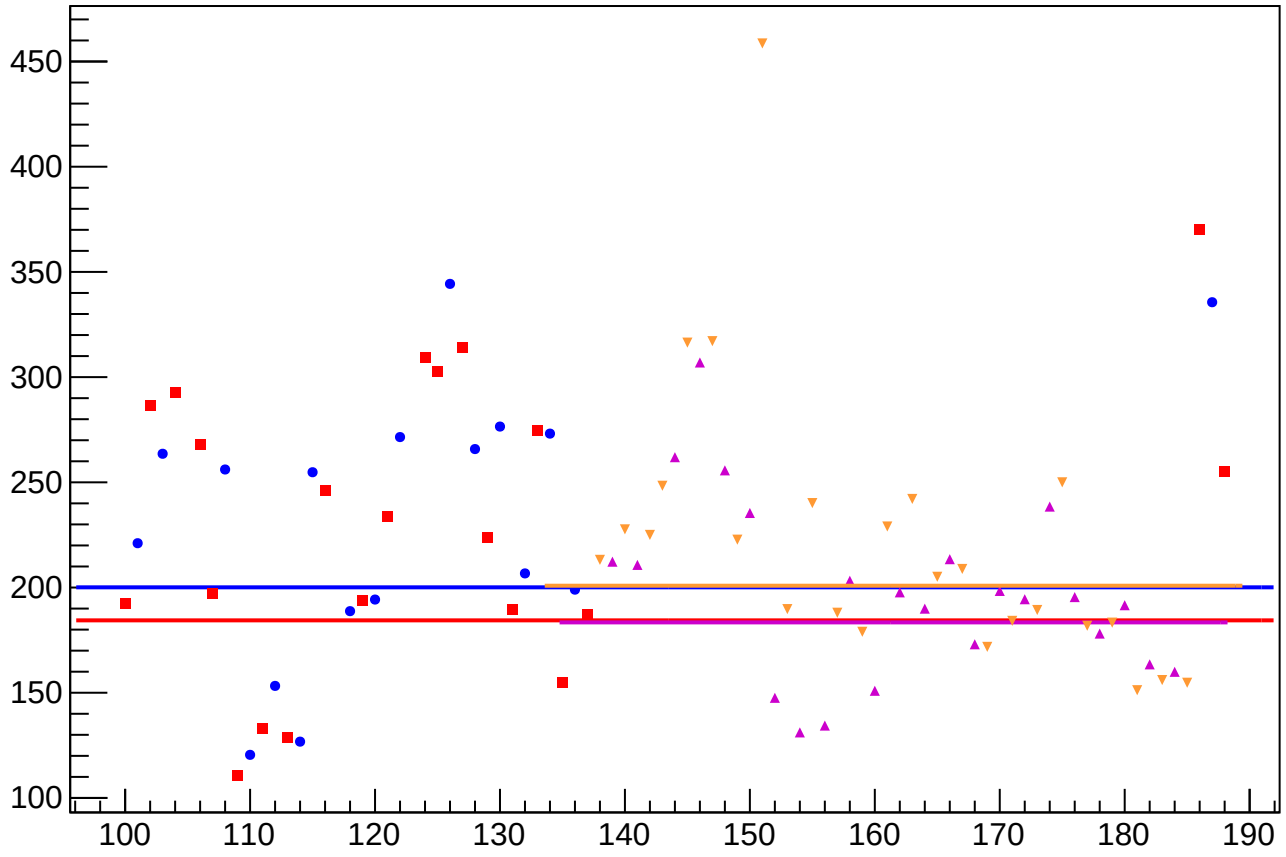
Right Out: 141.104+/-67.069 χ^2/NDF: 10.8/20

Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 97.210+/-40.359 χ^2/NDF: 31.9/41

All: 20.312+/-27.351 χ^2/NDF: 68.5/85

- sign -45.001+/-37.195 χ^2/NDF: 29.9/43



Right In: 200.098+/-0.055 χ^2/NDF: 1056224.8/16

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 184.401+/-0.047 χ^2/NDF: 1973394.7/20

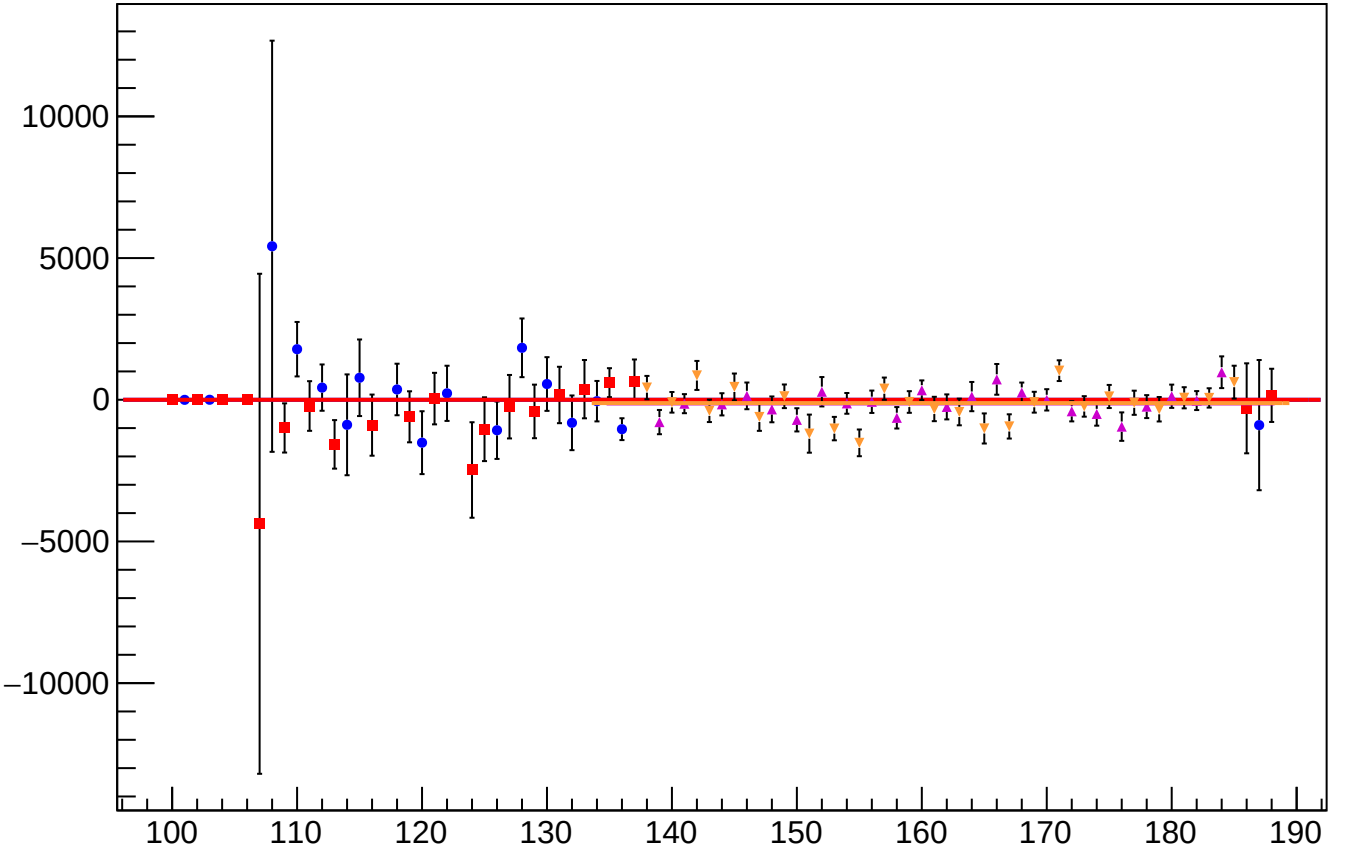
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 200.657+/-0.029 χ^2/NDF: 2783771.7/41

All: 191.505+/-0.019 χ^2/NDF: 6478349.1/85

- sign 183.731+/-0.026 χ^2/NDF: 3504361.8/43

asym_cav4bQ_mean vs Slug



Right In: -1.240+/-2.171 χ^2/NDF: 20.1/16

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.377+/-2.022 χ^2/NDF: 16.9/20

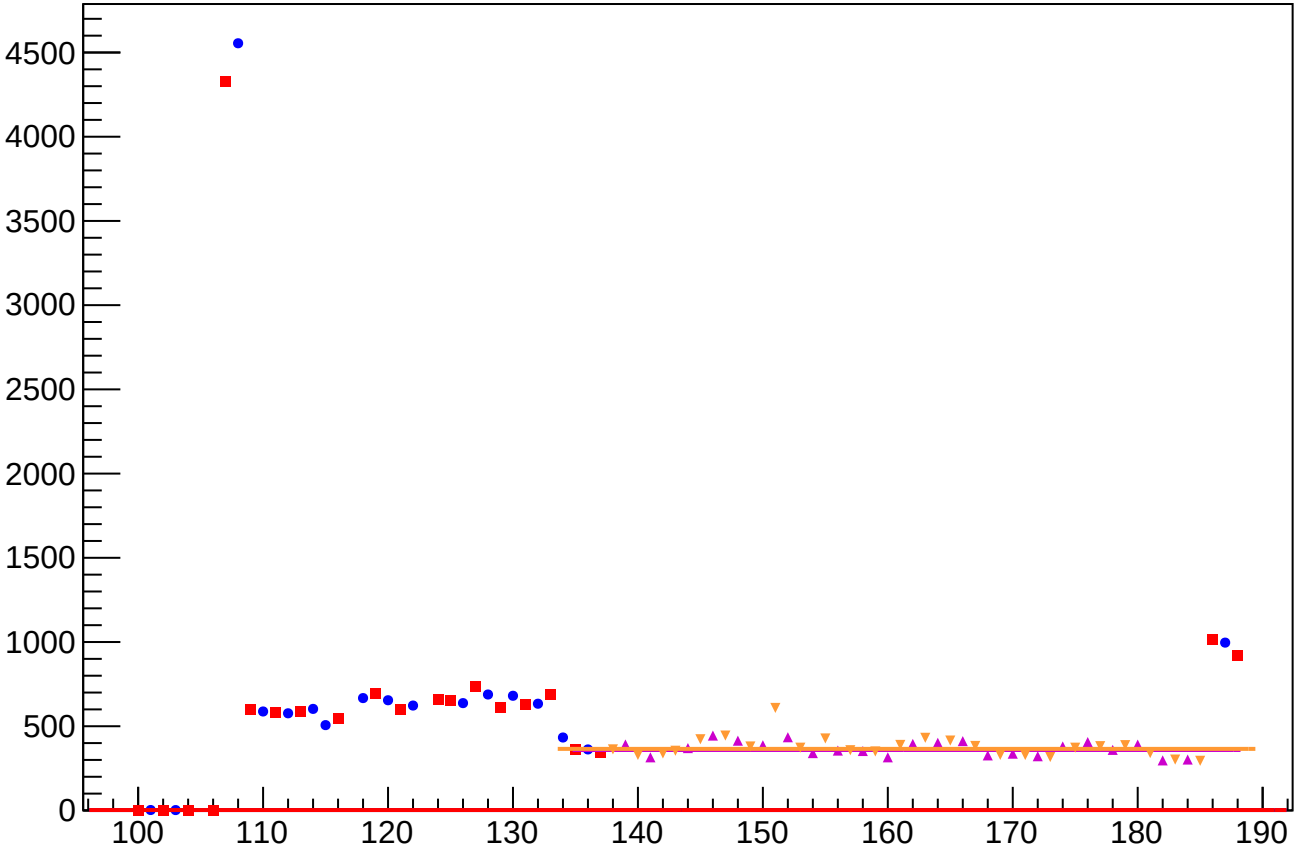
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.317+/-2.170 χ^2/NDF: 68.4/41

All: -1.388+/-1.479 χ^2/NDF: 109.2/85

- sign -1.450+/-2.022 χ^2/NDF: 40.9/43

asym_cav4bQ_rms vs Slug



Right In: 2.478+/-0.002 χ^2/NDF: 12000454.3/16

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.468+/-0.001 χ^2/NDF: 14256998.2/20

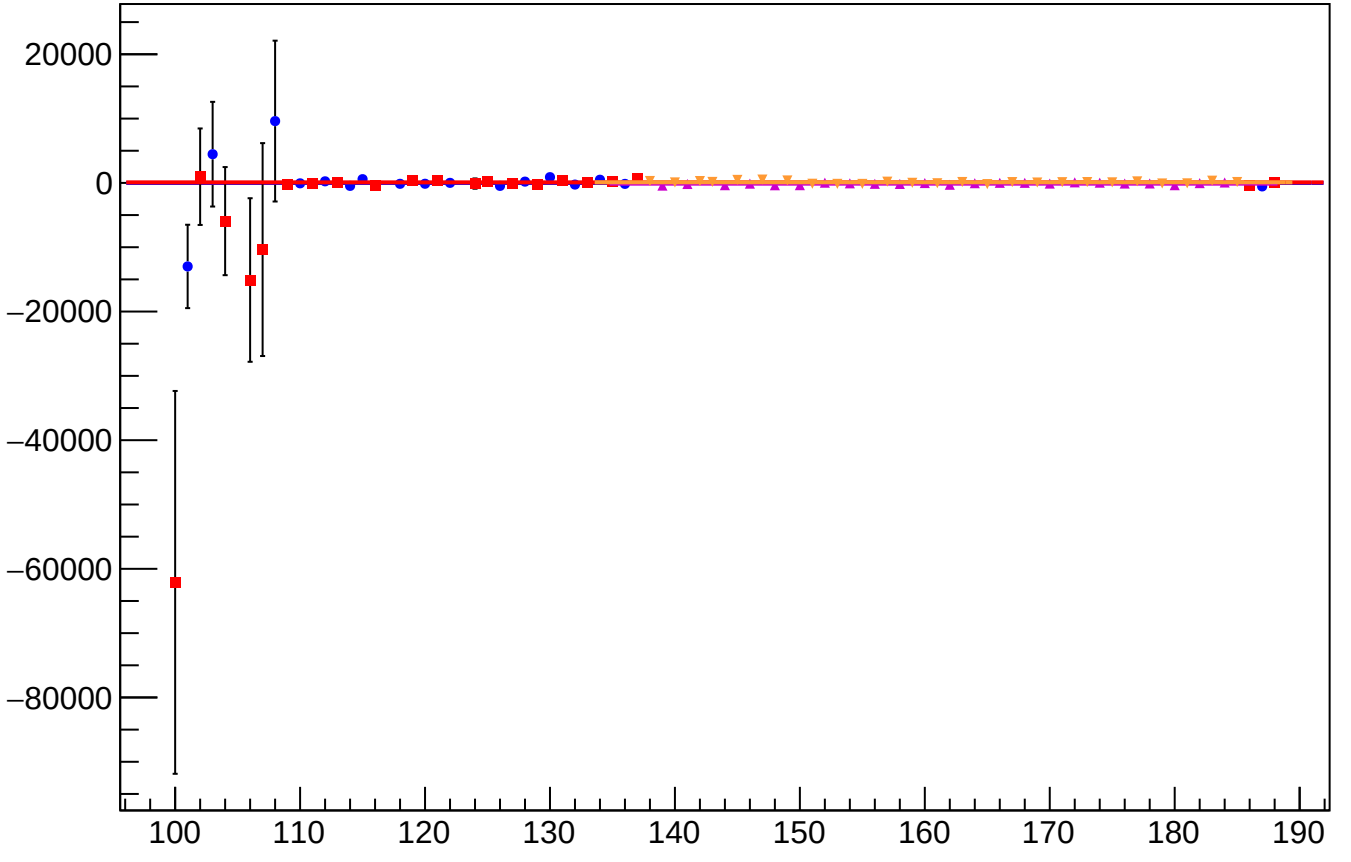
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

\+ sign 2.719+/-0.002 χ^2/NDF: 49835207.8/41

All: 2.692+/-0.001 χ^2/NDF: 99649709.0/85

\- sign 2.669+/-0.001 χ^2/NDF: 49813948.1/43

asym_cav4cQ_mean vs Slug



Right In: -6.198+/-87.277 χ^2/NDF: 17.3/16

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 83.272+/-77.335 χ^2/NDF: 15.4/20

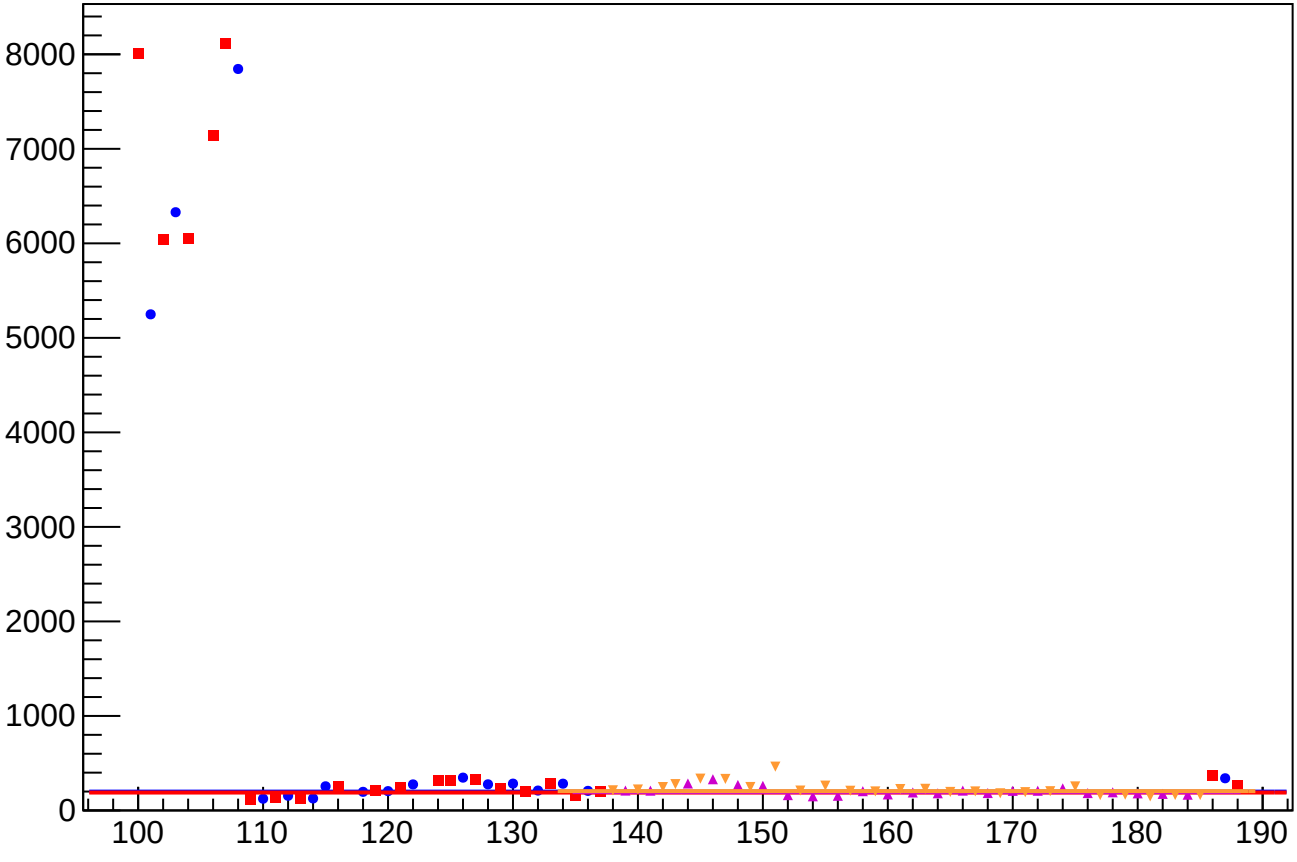
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 74.835+/-42.227 χ^2/NDF: 31.2/41

All: 1.495+/-29.092 χ^2/NDF: 66.6/85

- sign -64.767+/-40.137 χ^2/NDF: 29.7/43

asym_cav4cQ_rms vs Slug



Right In: 199.392+/-0.062 χ^2/NDF: 4022867.9/16

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 189.487+/-0.055 χ^2/NDF: 4787301.1/20

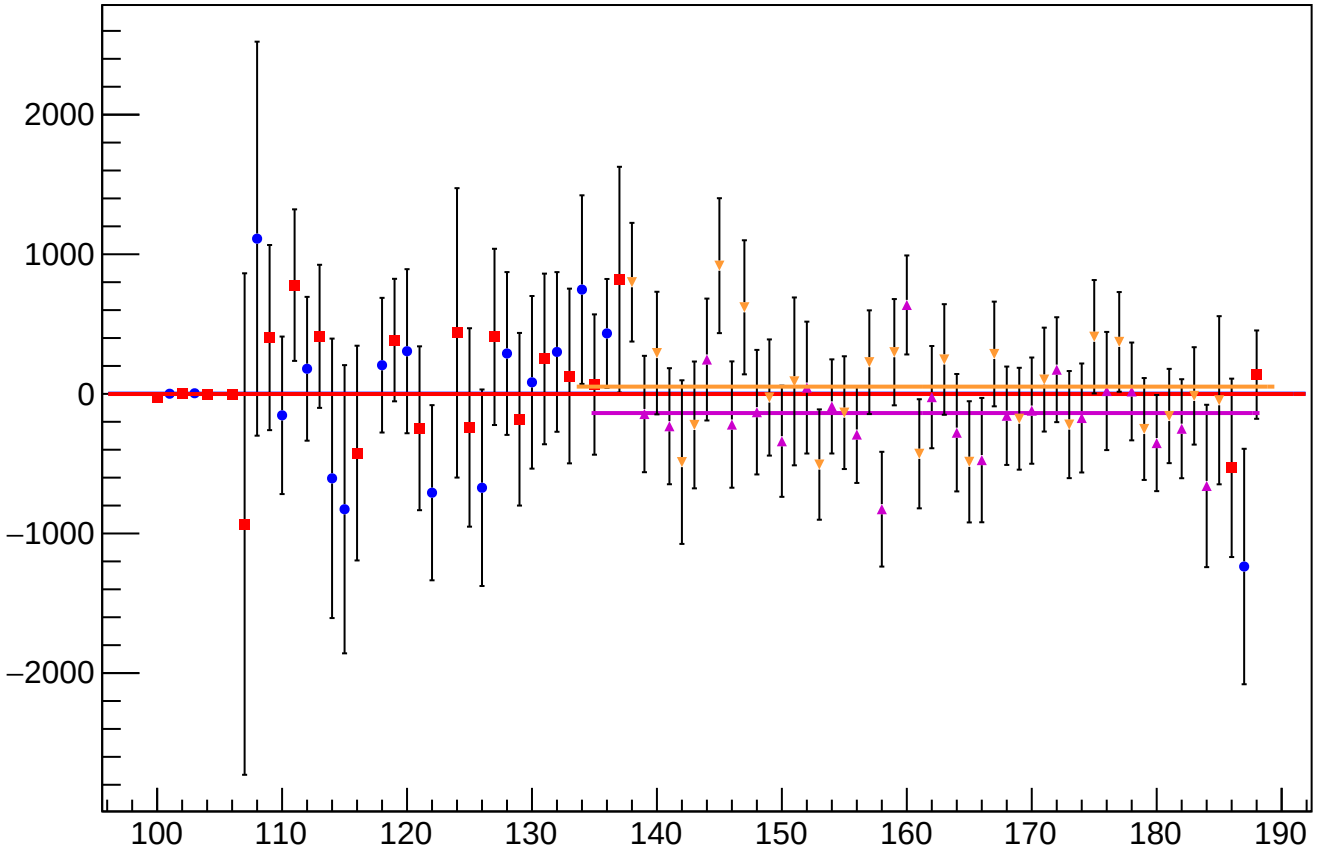
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 203.366+/-0.030 χ^2/NDF: 6003398.3/41

All: 197.767+/-0.021 χ^2/NDF: 12053978.8/85

- sign 192.708+/-0.028 χ^2/NDF: 5983638.3/43

asym_cav4dQ_mean vs Slug



Right In: 1.451+/-1.660 χ^2/NDF: 10.0/16

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.093+/-1.528 χ^2/NDF: 10.0/20

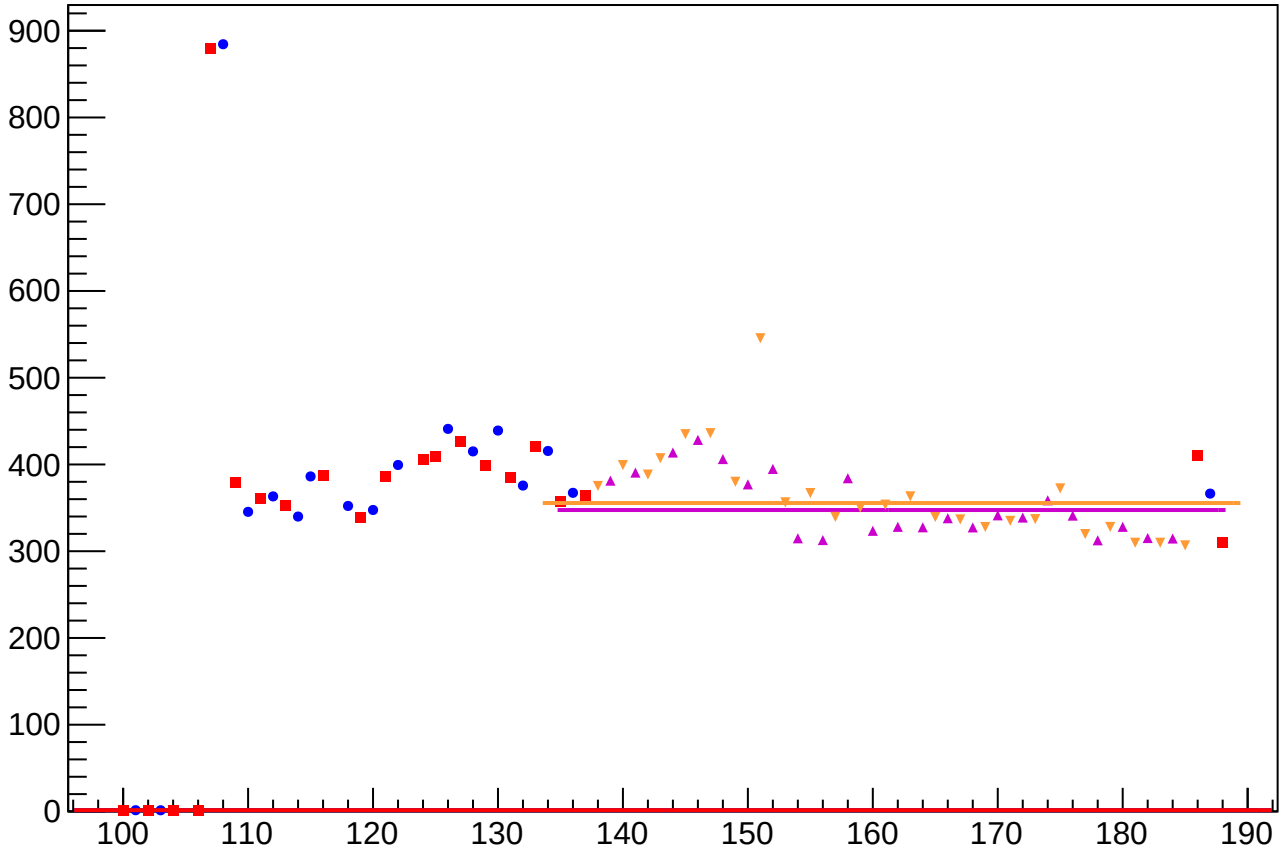
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.472+/-1.660 χ^2/NDF: 29.9/41

All: 0.057+/-1.124 χ^2/NDF: 56.2/85

- sign -1.141+/-1.528 χ^2/NDF: 25.0/43

asym_cav4dQ_rms vs Slug



Right In: 1.472+/-0.001 χ^2/NDF: 12109897.2/16

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.477+/-0.001 χ^2/NDF: 13988846.4/20

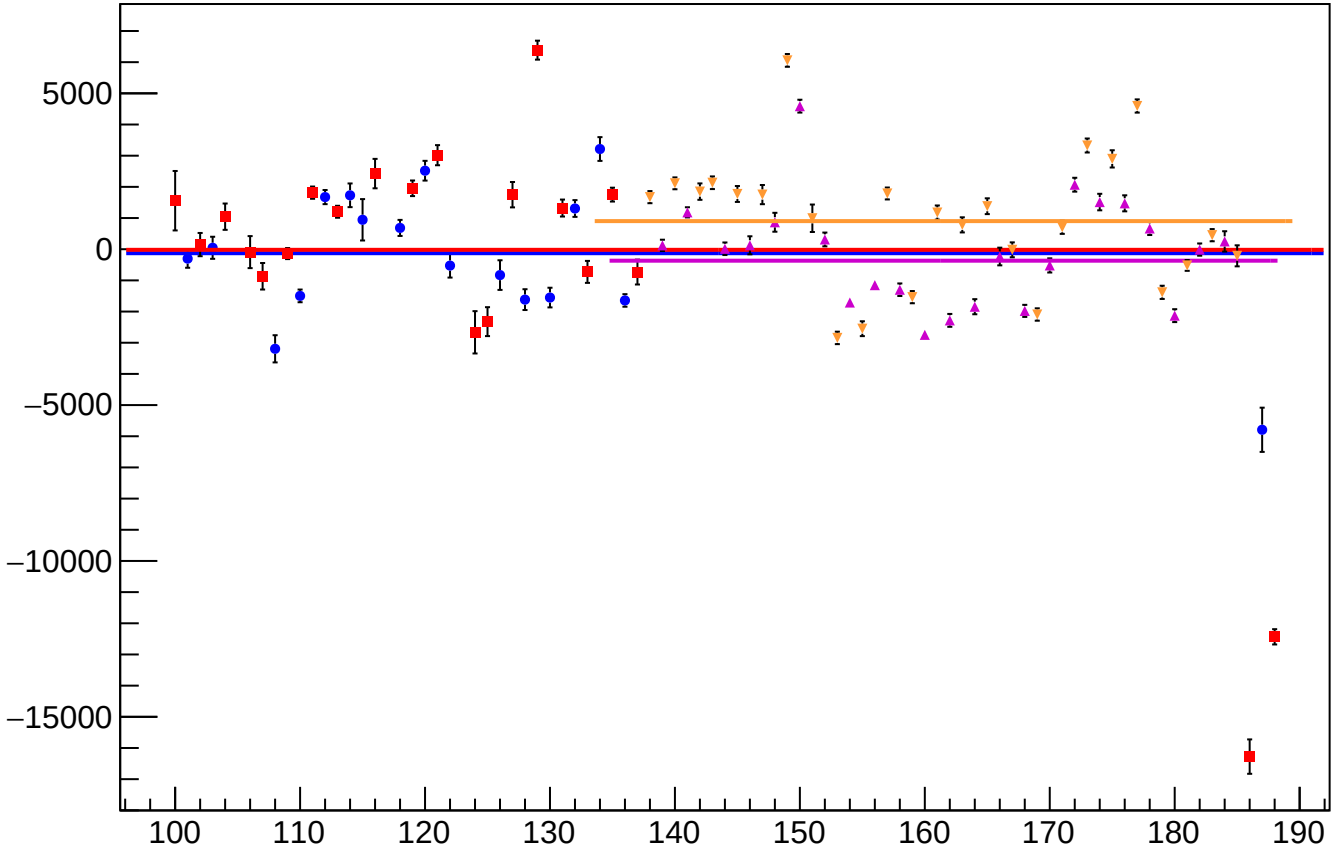
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.618+/-0.001 χ^2/NDF: 50318857.4/41

All: 1.606+/-0.001 χ^2/NDF: 100154054.7/85

- sign 1.596+/-0.001 χ^2/NDF: 49835009.7/43

asym_bcm0l02_mean vs Slug



Right In: -128.154+/-74.481 χ^2/NDF: 534.0/16

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -19.627+/-65.965 χ^2/NDF: 4345.9/20

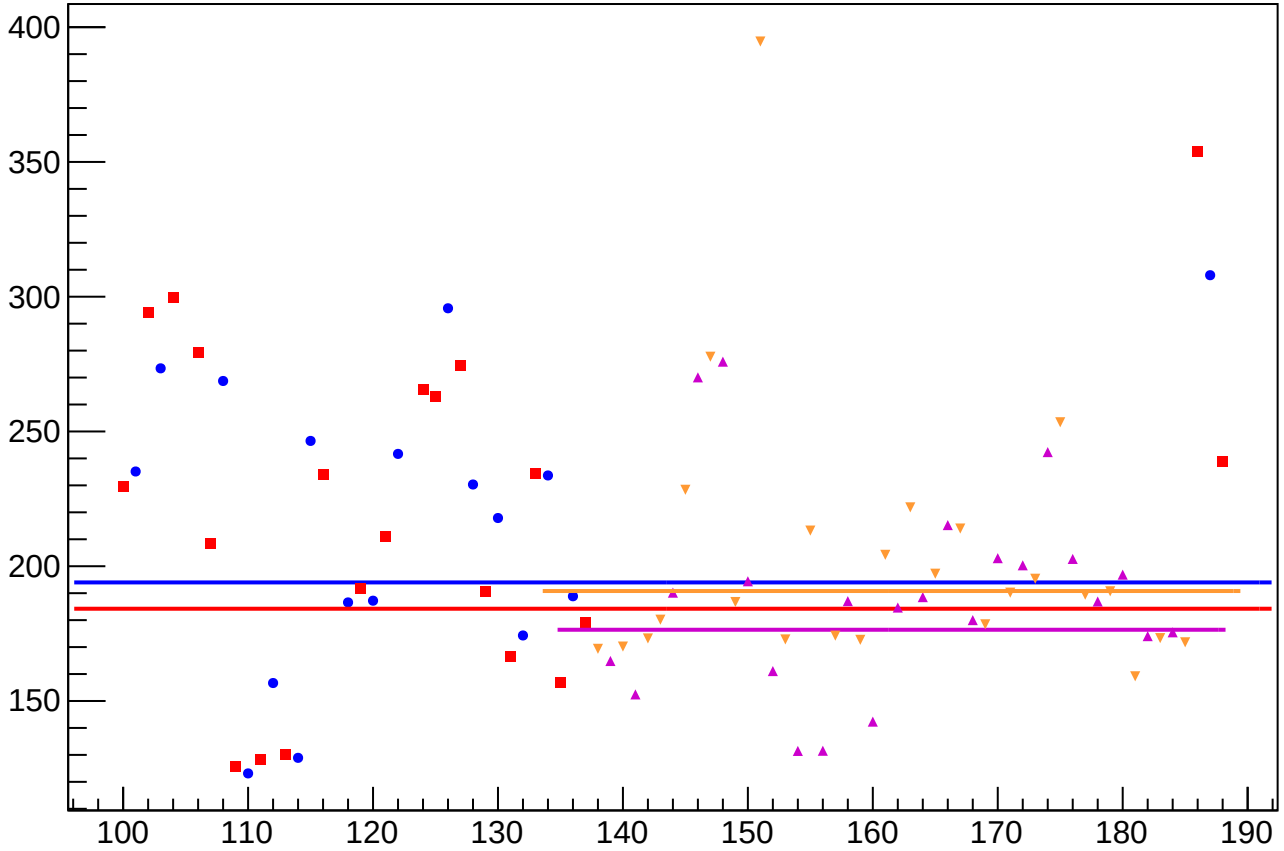
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 630.788+/-38.189 χ^2/NDF: 3085.8/41

All: 154.398+/-26.136 χ^2/NDF: 9337.1/85

- sign -265.310+/-35.845 χ^2/NDF: 5958.6/43

asym_bcm0l02_rms vs Slug



Right In: 193.990+/-0.053 χ^2/NDF: 811379.1/16

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 184.230+/-0.047 χ^2/NDF: 1534662.9/20

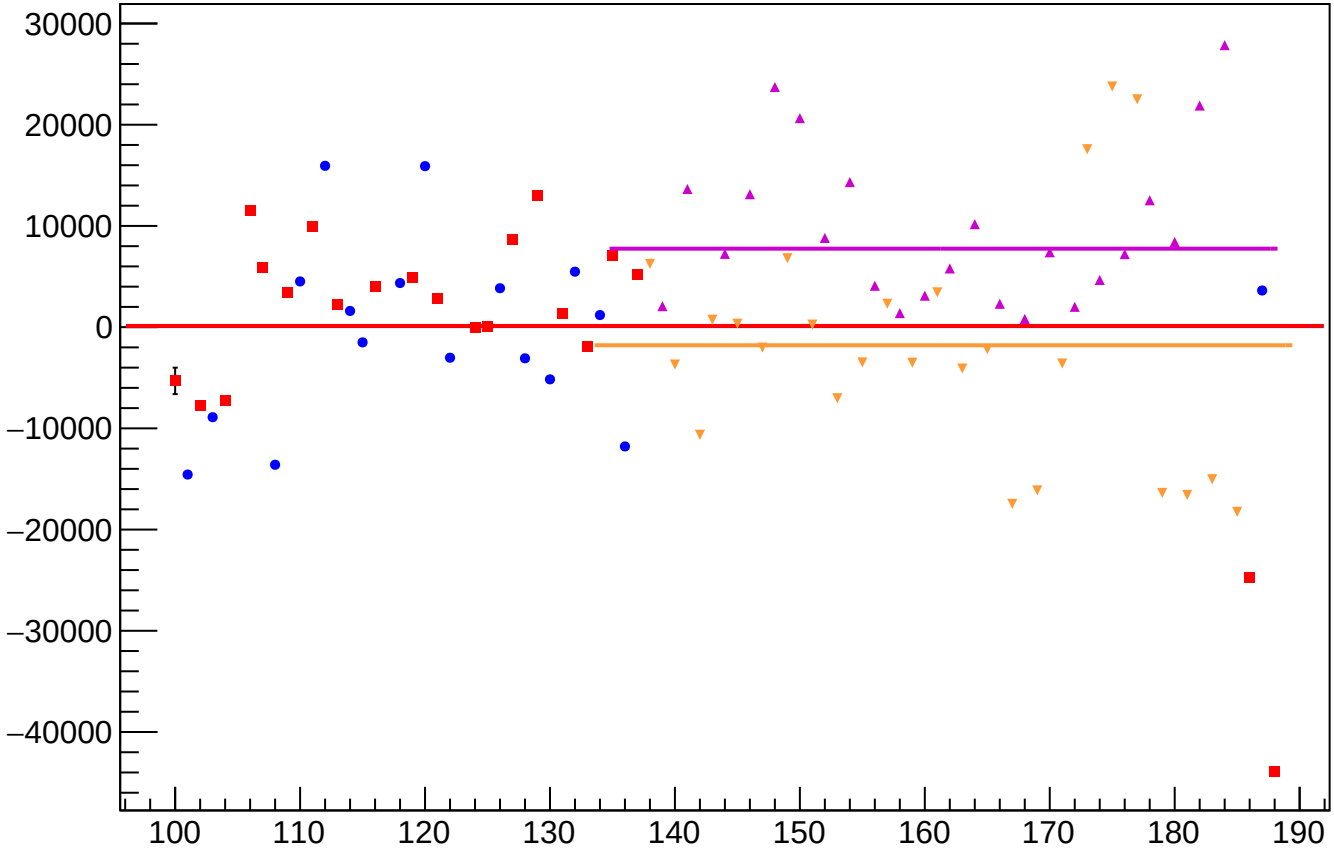
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 191.639+/-0.027 χ^2/NDF: 1833679.9/41

All: 184.779+/-0.018 χ^2/NDF: 4767124.8/85

- sign 178.734+/-0.025 χ^2/NDF: 2812025.1/43

asym_bpm0i02WS_mean vs Slug



Right In: 103.776+/-53.721 χ^2/NDF: 30862.9/16

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 120.233+/-49.253 χ^2/NDF: 83613.3/20

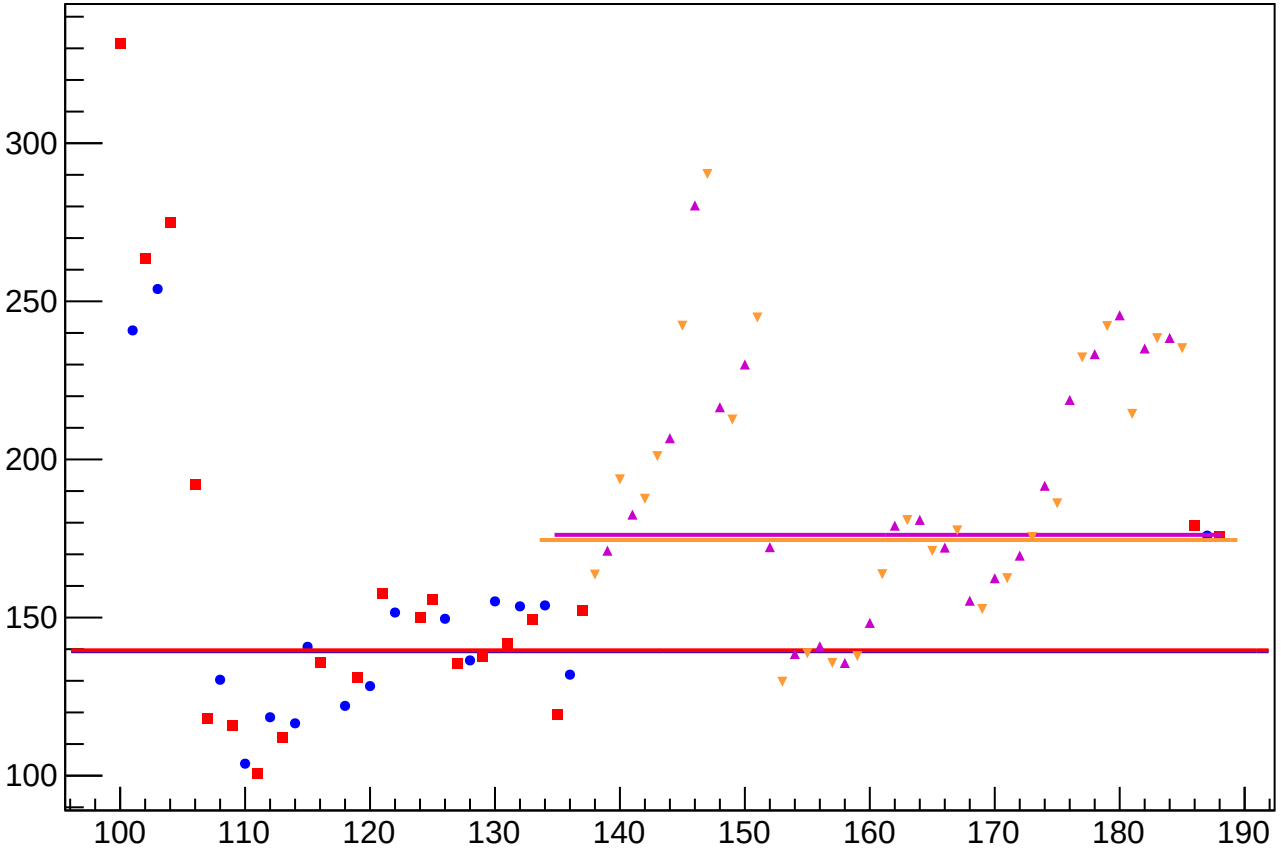
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign -1095.050+/-32.547 χ^2/NDF: 97395.6/41

All: 1726.717+/-22.893 χ^2/NDF: 232915.8/85

- sign 4489.970+/-32.208 χ^2/NDF: 120642.9/43

asym_bpm0i02WS_rms vs Slug



Right In: 139.365+/-0.038 χ^2/NDF: 674344.4/16

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 139.640+/-0.035 χ^2/NDF: 1024339.2/20

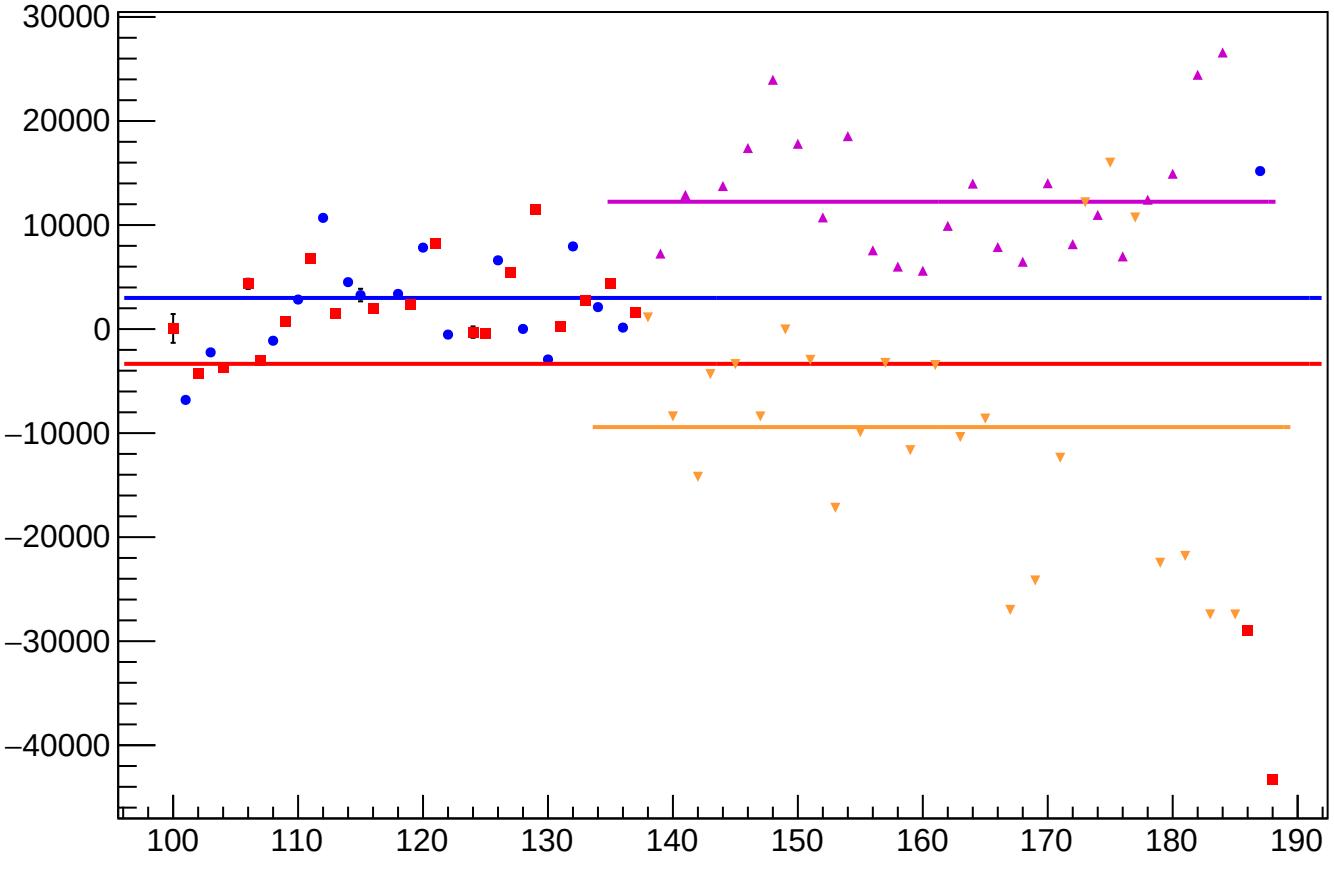
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 161.616+/-0.023 χ^2/NDF: 2875921.4/41

All: 161.073+/-0.016 χ^2/NDF: 5897614.2/85

- sign 160.540+/-0.023 χ^2/NDF: 3020588.5/43

asym_bpm0i02aWS_mean vs Slug



Right In: 2992.782+/-68.485 χ^2/NDF: 4838.9/16

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -3342.430+/-60.130 χ^2/NDF: 68555.9/20

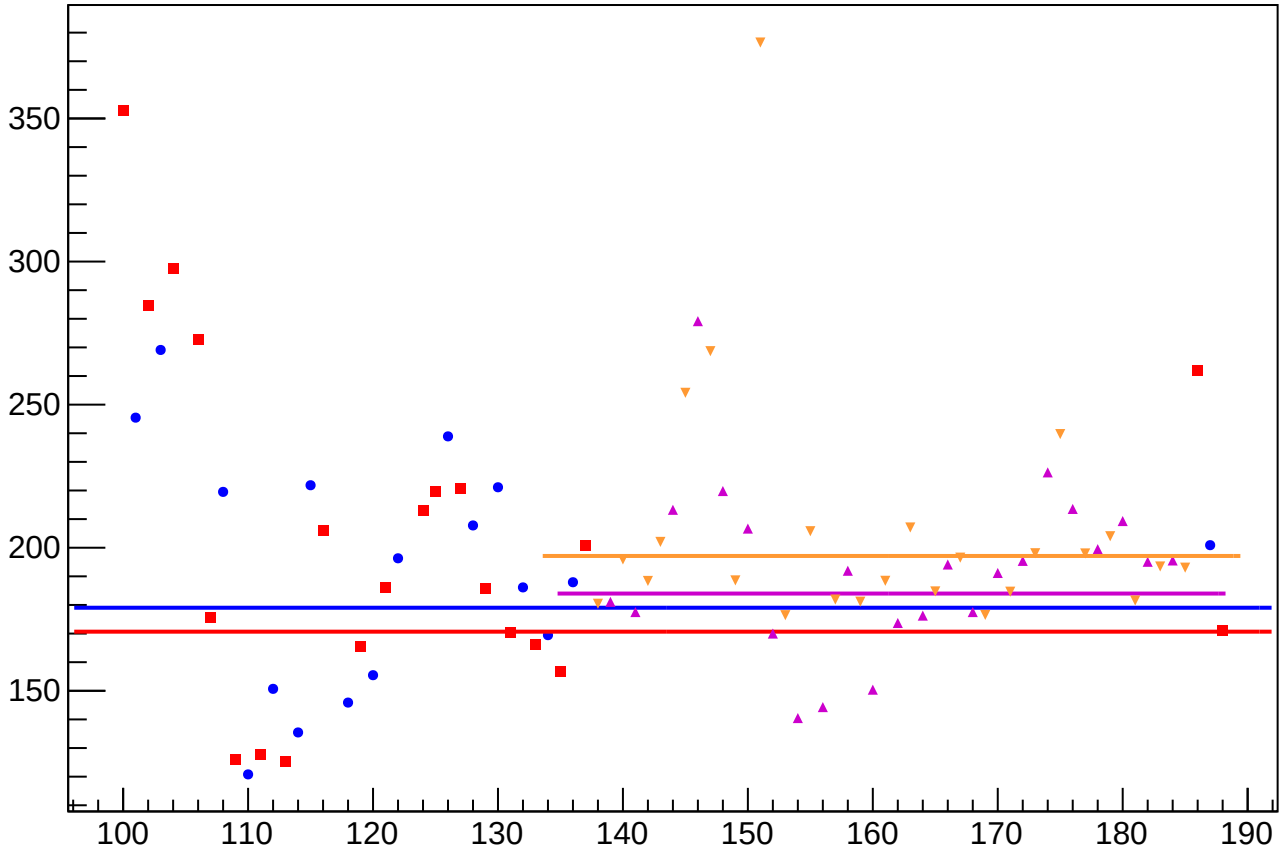
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -5596.027+/-38.012 χ^2/NDF: 92288.9/41

All: 991.933+/-25.988 χ^2/NDF: 276853.2/85

- sign 6773.793+/-35.611 χ^2/NDF: 128166.3/43

asym_bpm0i02aWS_rms vs Slug



Right In: 179.030+/-0.048 χ^2/NDF: 679126.7/16

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 170.667+/-0.043 χ^2/NDF: 1081576.3/20

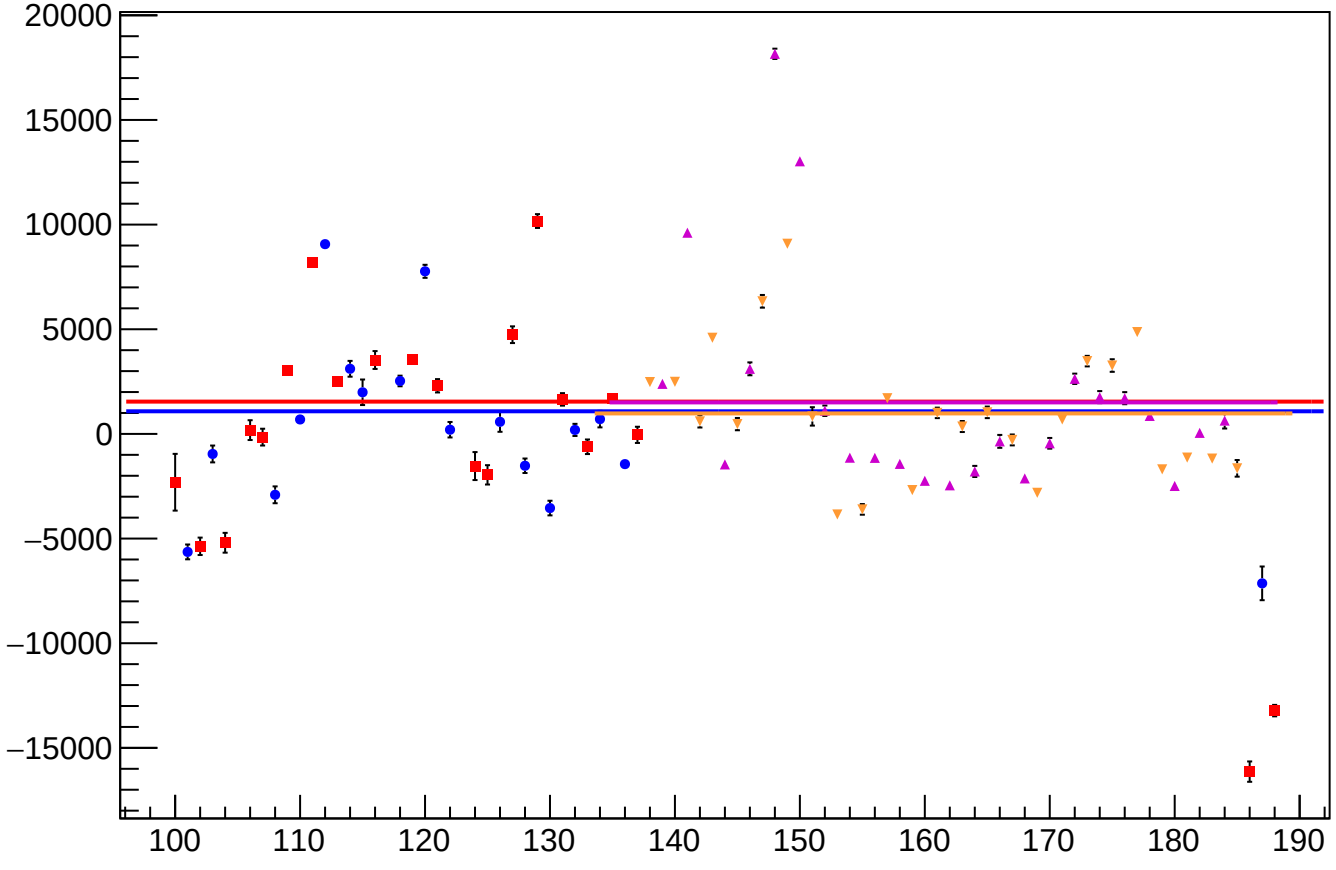
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.549+/-0.027 χ^2/NDF: 1508234.3/41

All: 185.033+/-0.018 χ^2/NDF: 3593636.9/85

- sign 179.314+/-0.025 χ^2/NDF: 1975061.1/43

asym_bpm0i05WS_mean vs Slug



Right In: 1080.634+/-75.621 χ^2/NDF: 2760.5/16

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1543.300+/-66.403 χ^2/NDF: 7041.9/20

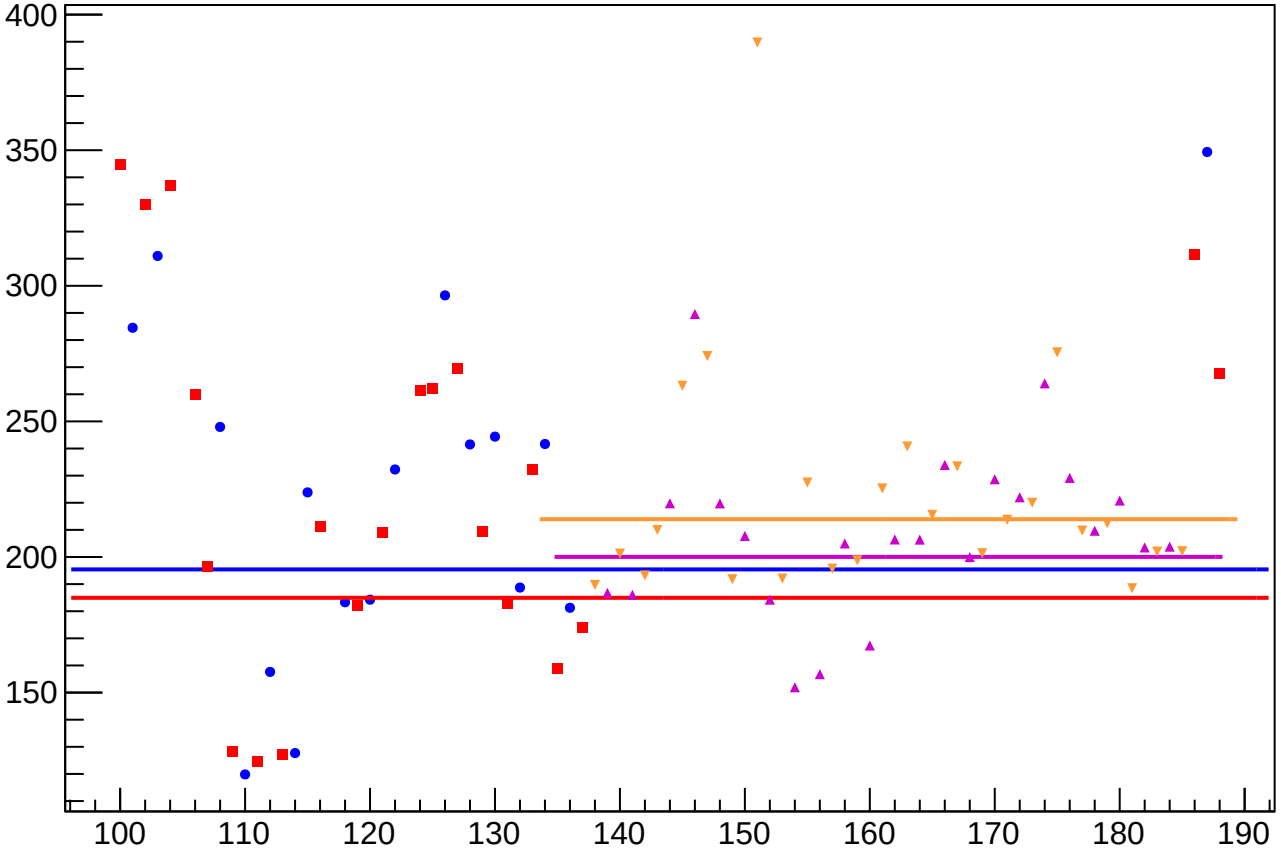
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

\+ sign 1009.178+/-41.479 χ^2/NDF: 7084.8/41

All: 1279.833+/-28.385 χ^2/NDF: 25687.5/85

\- sign 1518.224+/-38.928 χ^2/NDF: 18522.7/43

asym_bpm0i05WS_rms vs Slug



Right In: 195.423+/-0.053 χ^2/NDF: 1039563.9/16

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 184.947+/-0.047 χ^2/NDF: 1702628.2/20

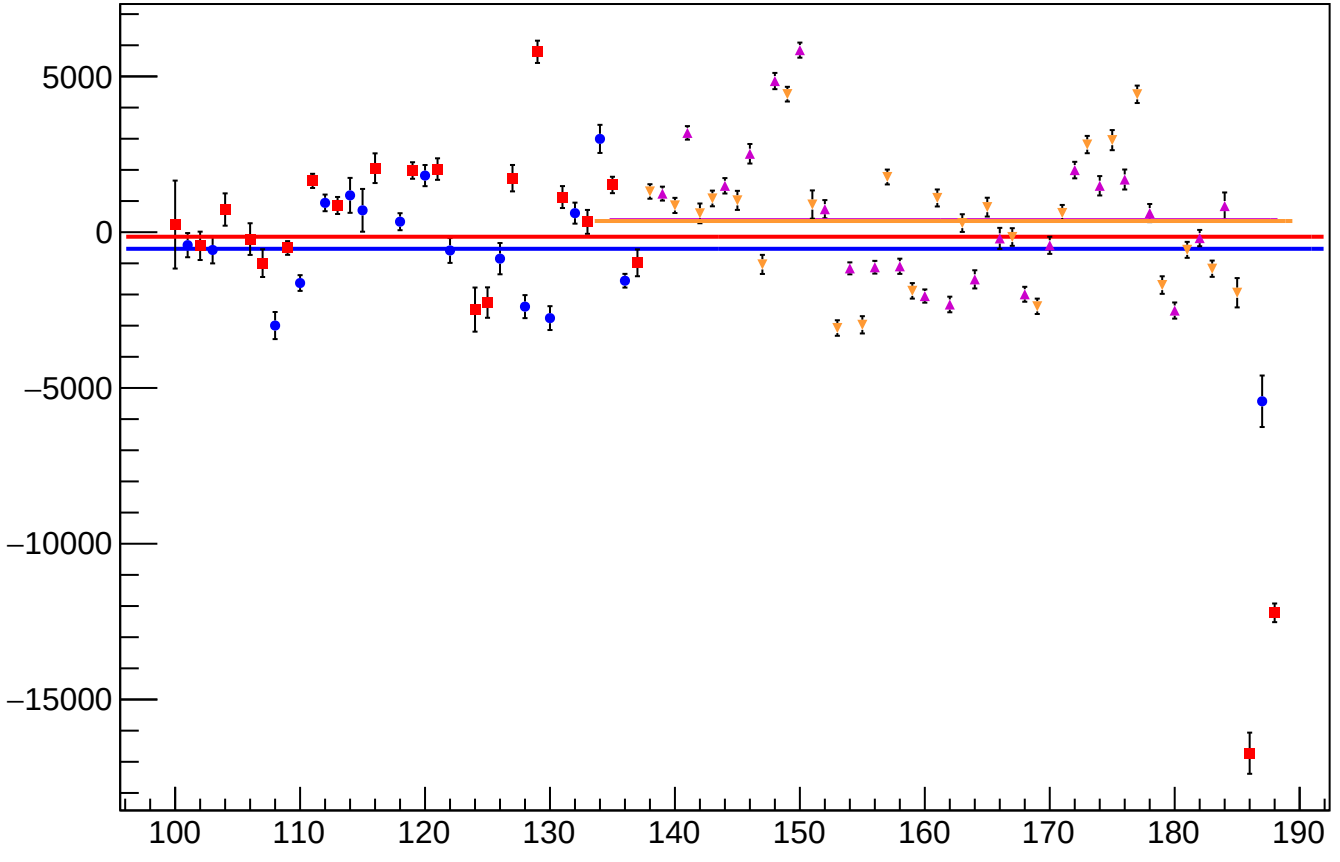
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 208.363+/-0.029 χ^2/NDF: 1856959.0/41

All: 201.177+/-0.020 χ^2/NDF: 4525751.8/85

- sign 194.847+/-0.028 χ^2/NDF: 2555881.1/43

asym_bpm0i07WS_mean vs Slug



Right In: -533.128+/-86.212 χ^2/NDF: 340.9/16

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -145.786+/-77.602 χ^2/NDF: 2846.7/20

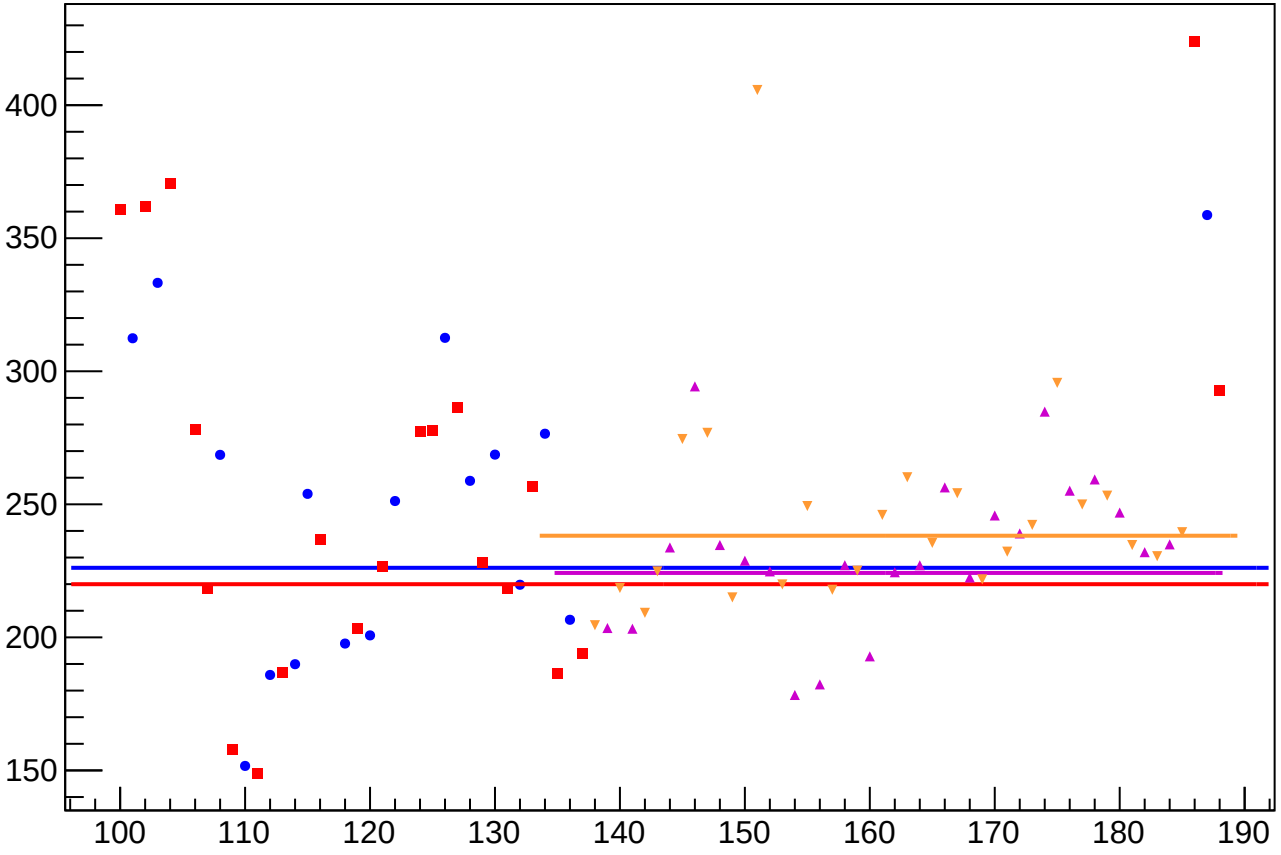
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign 100.768+/-46.363 χ^2/NDF: 1835.8/41

All: 160.888+/-31.939 χ^2/NDF: 6521.8/85

- sign 215.190+/-44.063 χ^2/NDF: 4682.8/43

asym_bpm0i07WS_rms vs Slug



Right In: 226.141+/-0.061 χ^2/NDF: 705203.8/16

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 219.982+/-0.055 χ^2/NDF: 1263315.3/20

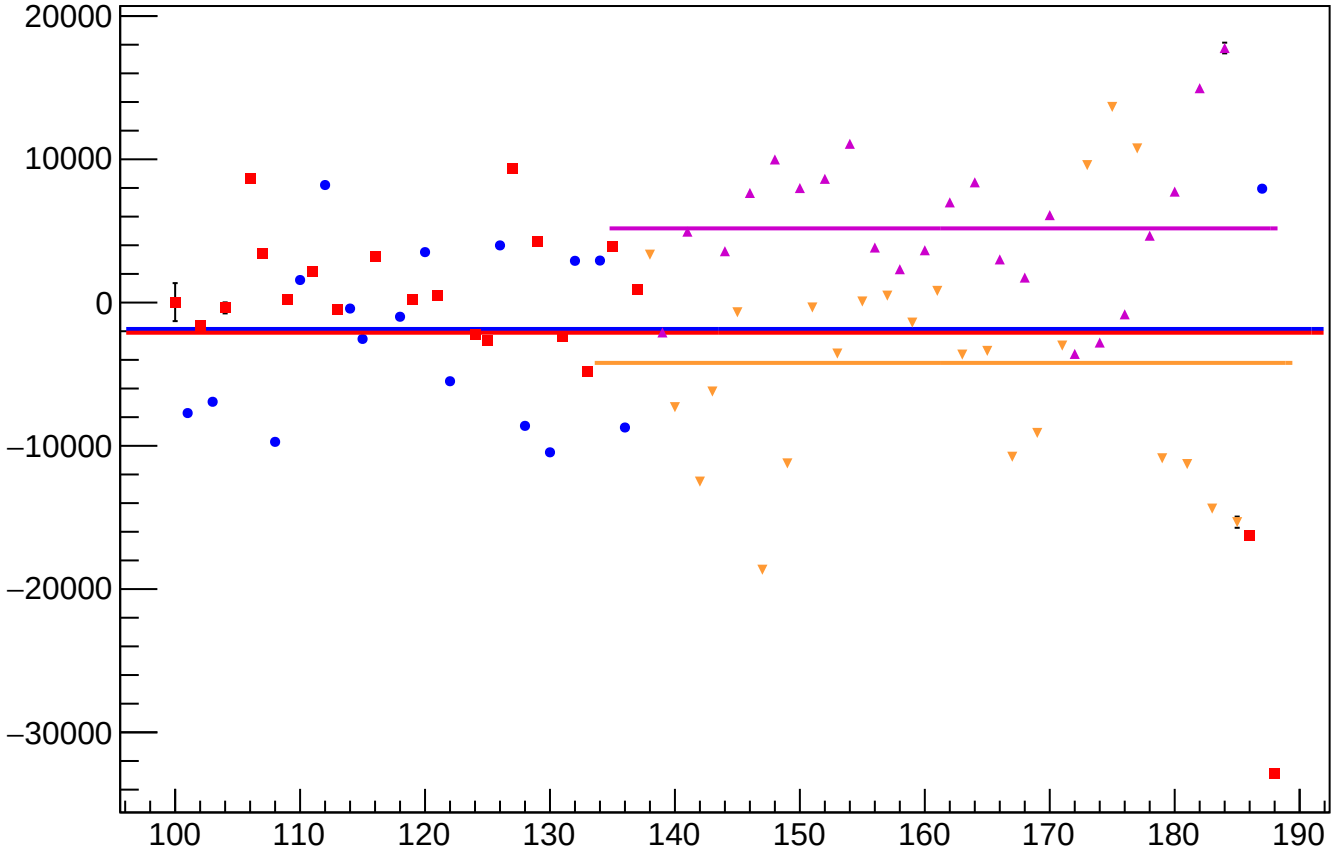
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 234.712+/-0.033 χ^2/NDF: 1300951.1/41

All: 228.478+/-0.023 χ^2/NDF: 3200334.0/85

- sign 222.848+/-0.031 χ^2/NDF: 1830573.7/43

asym_bpm1i02WS_mean vs Slug



Right In: -1843.082+/-46.242 χ^2/NDF: 17644.3/16

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -2105.336+/-41.971 χ^2/NDF: 62550.1/20

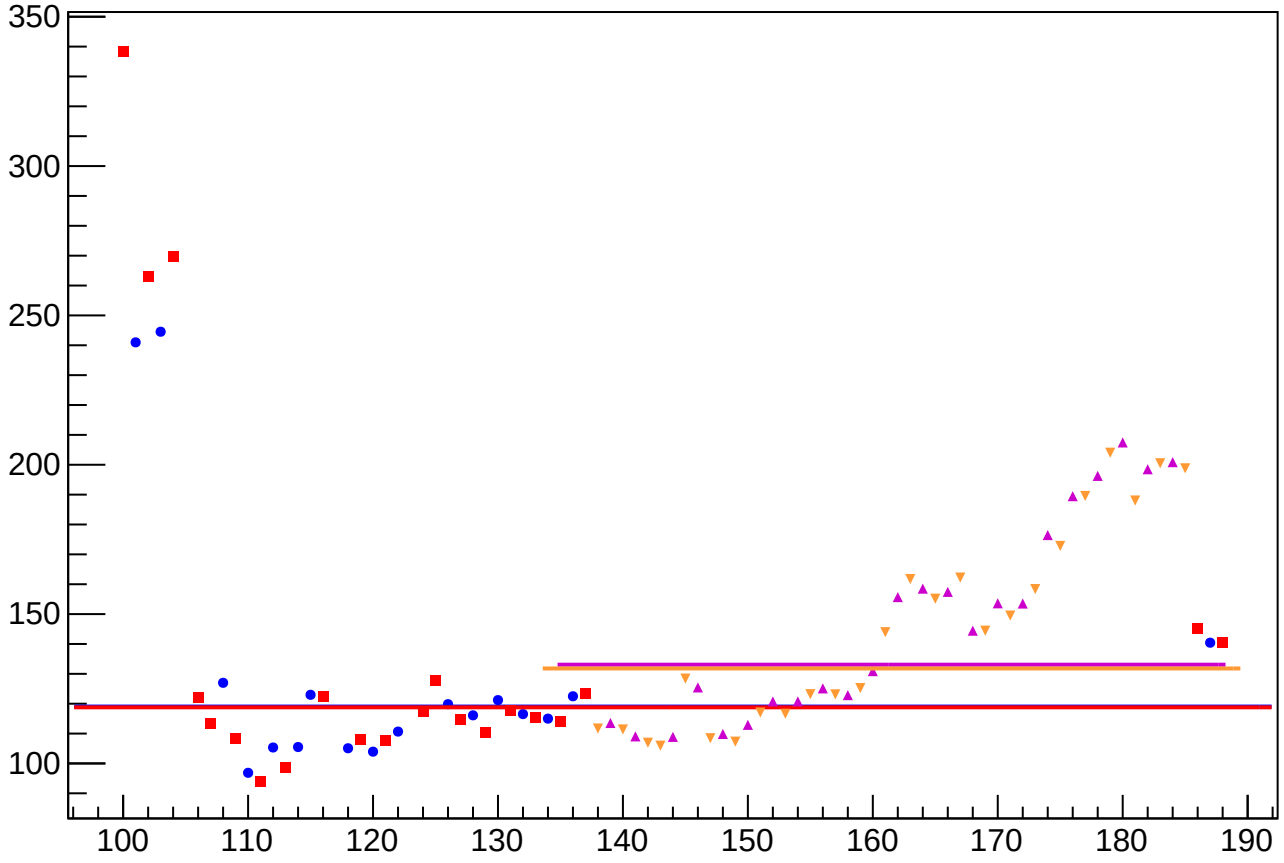
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -3482.130+/-25.651 χ^2/NDF: 76261.6/41

All: -463.452+/-18.060 χ^2/NDF: 203875.0/85

- sign 2503.971+/-25.432 χ^2/NDF: 100149.4/43

asym_bpm1i02WS_rms vs Slug



Right In: 119.042+/-0.033 χ^2/NDF: 743072.6/16

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 118.787+/-0.030 χ^2/NDF: 946626.5/20

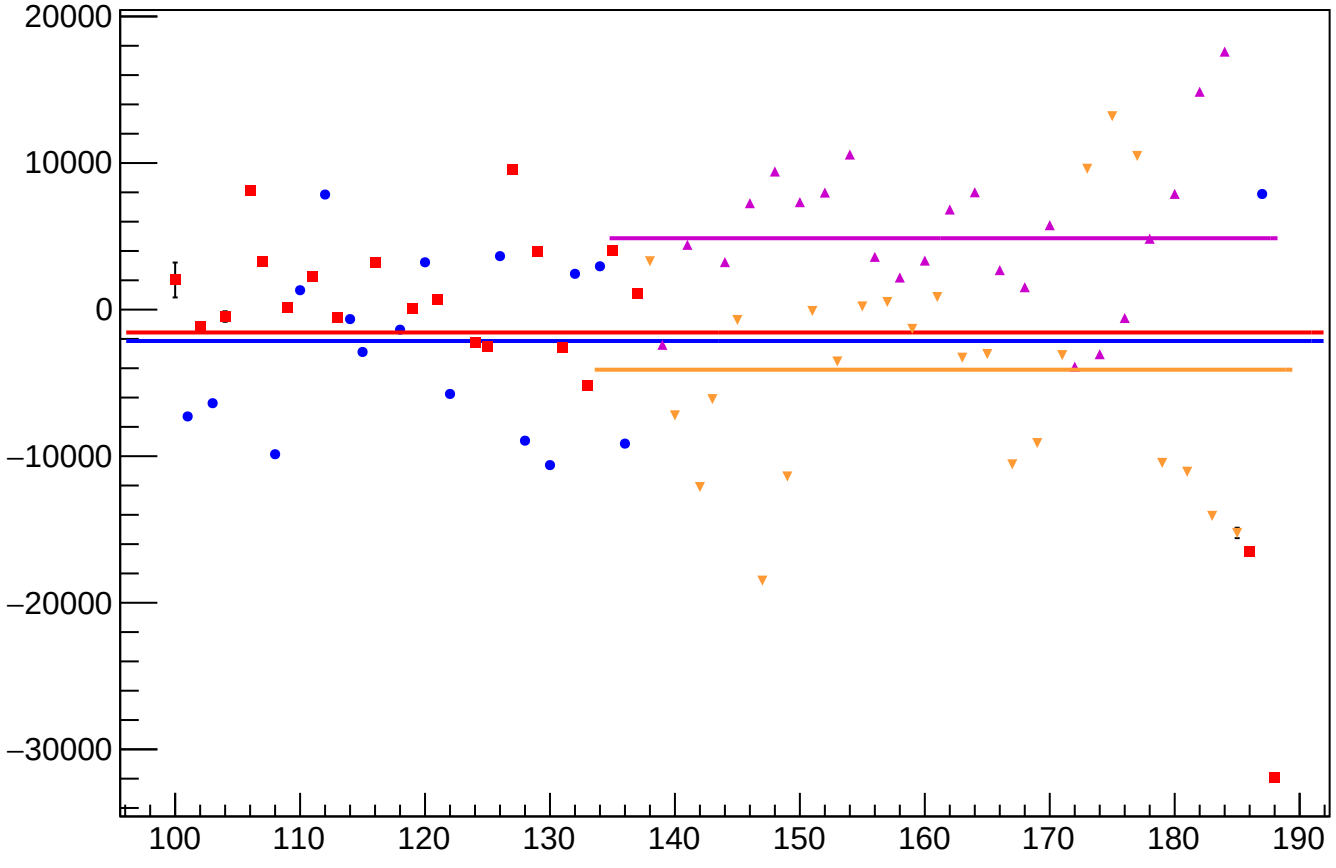
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 127.873+/-0.018 χ^2/NDF: 2392772.7/41

All: 127.846+/-0.013 χ^2/NDF: 4904055.9/85

- sign 127.820+/-0.018 χ^2/NDF: 2511279.0/43

asym_bpm2i01WS_mean vs Slug



Right In: -2140.960+/-40.394 χ^2/NDF: 22722.0/16

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -1559.413+/-37.289 χ^2/NDF: 67125.1/20

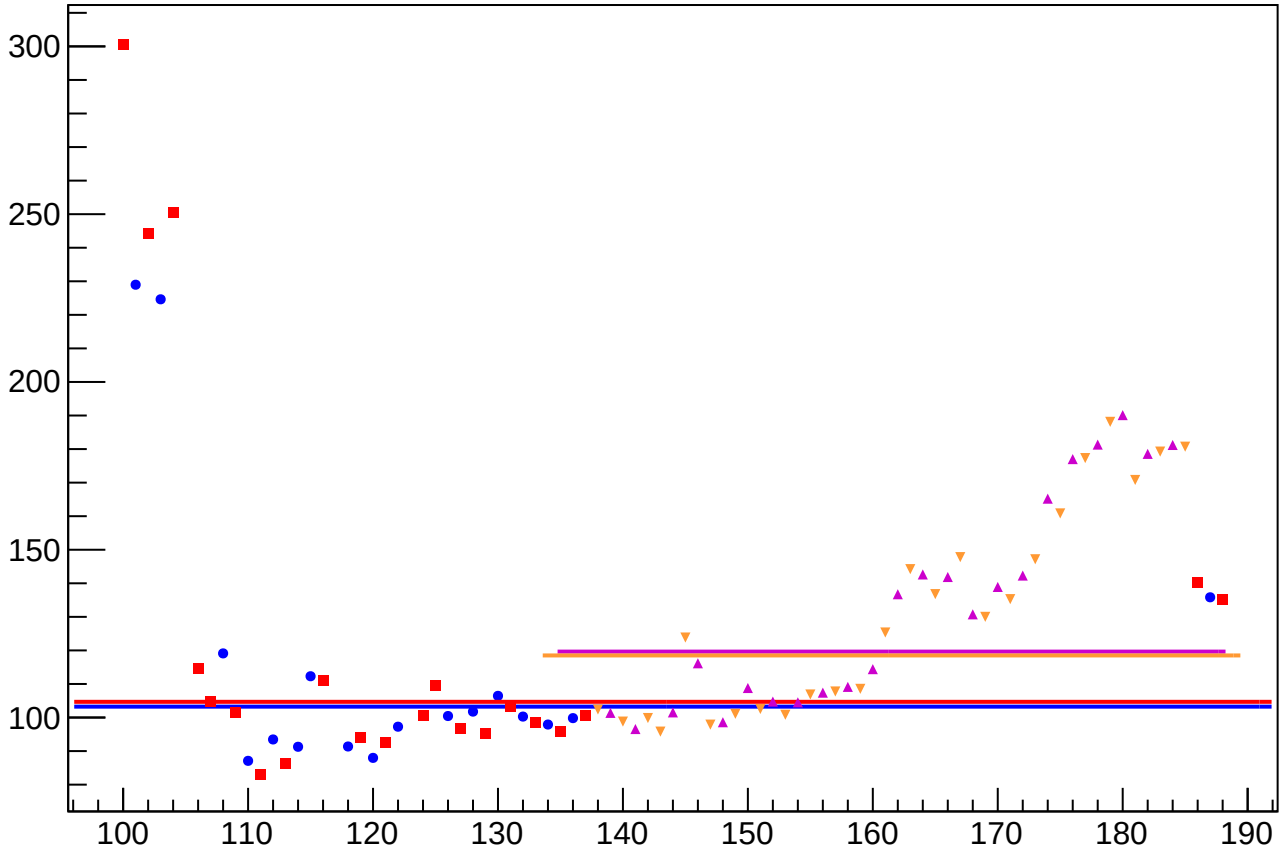
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -3470.475+/-22.885 χ^2/NDF: 90588.7/41

All: -490.582+/-16.151 χ^2/NDF: 232024.8/85

- sign 2466.677+/-22.798 χ^2/NDF: 107653.9/43

asym_bpm2i01WS_rms vs Slug



Right In: 103.245+/-0.029 χ^2/NDF: 847813.6/16

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 104.682+/-0.026 χ^2/NDF: 1097688.7/20

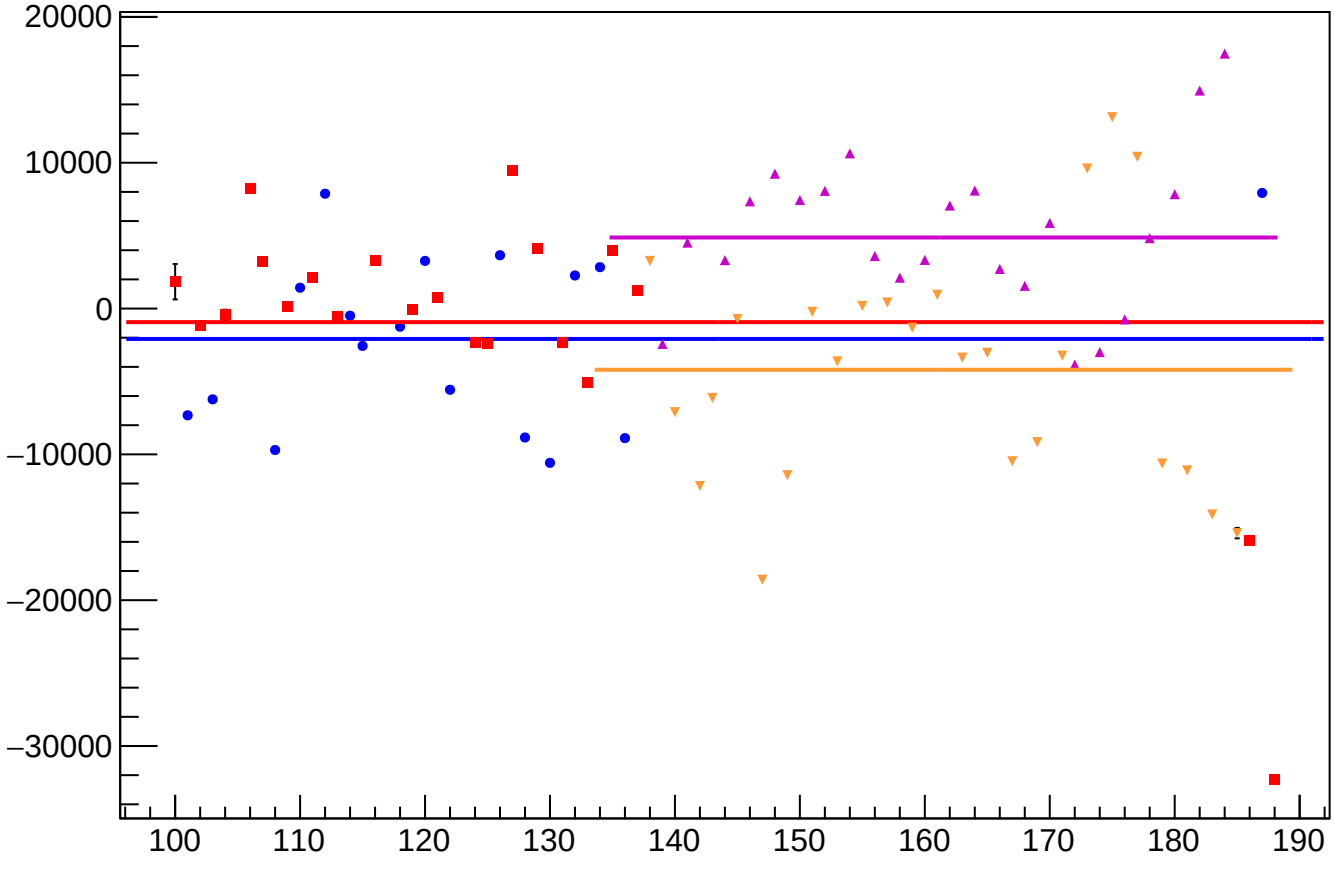
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 113.605+/-0.016 χ^2/NDF: 2668689.9/41

All: 113.829+/-0.011 χ^2/NDF: 5480801.5/85

- sign 114.052+/-0.016 χ^2/NDF: 2811728.1/43

asym_bpm2i02WS_mean vs Slug



Right In: -2084.155+/-38.780 χ^2/NDF: 23932.1/16

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -931.259+/-36.038 χ^2/NDF: 60203.0/20

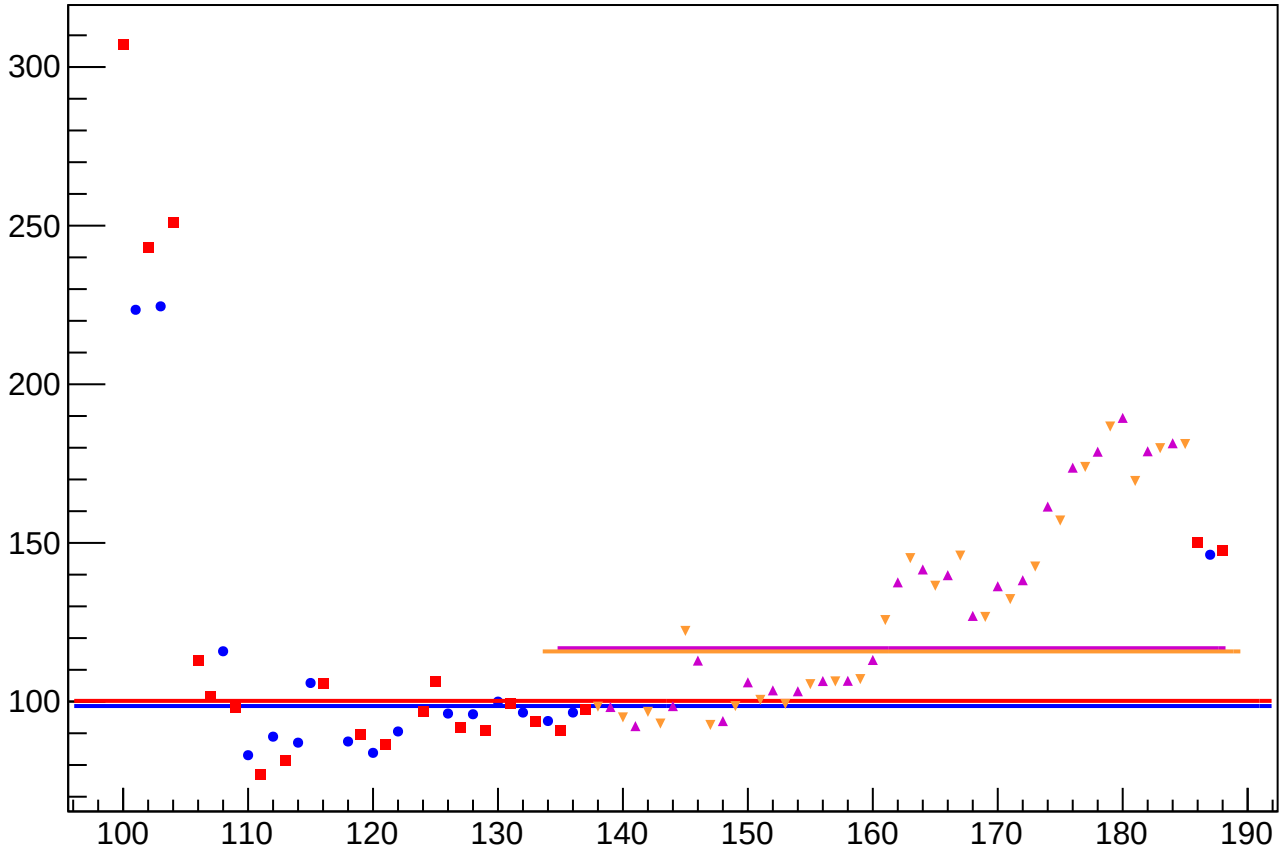
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -3500.235+/-22.274 χ^2/NDF: 96337.4/41

All: -406.659+/-15.727 χ^2/NDF: 234017.9/85

- sign 2668.701+/-22.209 χ^2/NDF: 99216.3/43

asym_bpm2i02WS_rms vs Slug



Right In: 98.581+/-0.027 χ^2/NDF: 908585.6/16

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 100.209+/-0.025 χ^2/NDF: 1323896.9/20

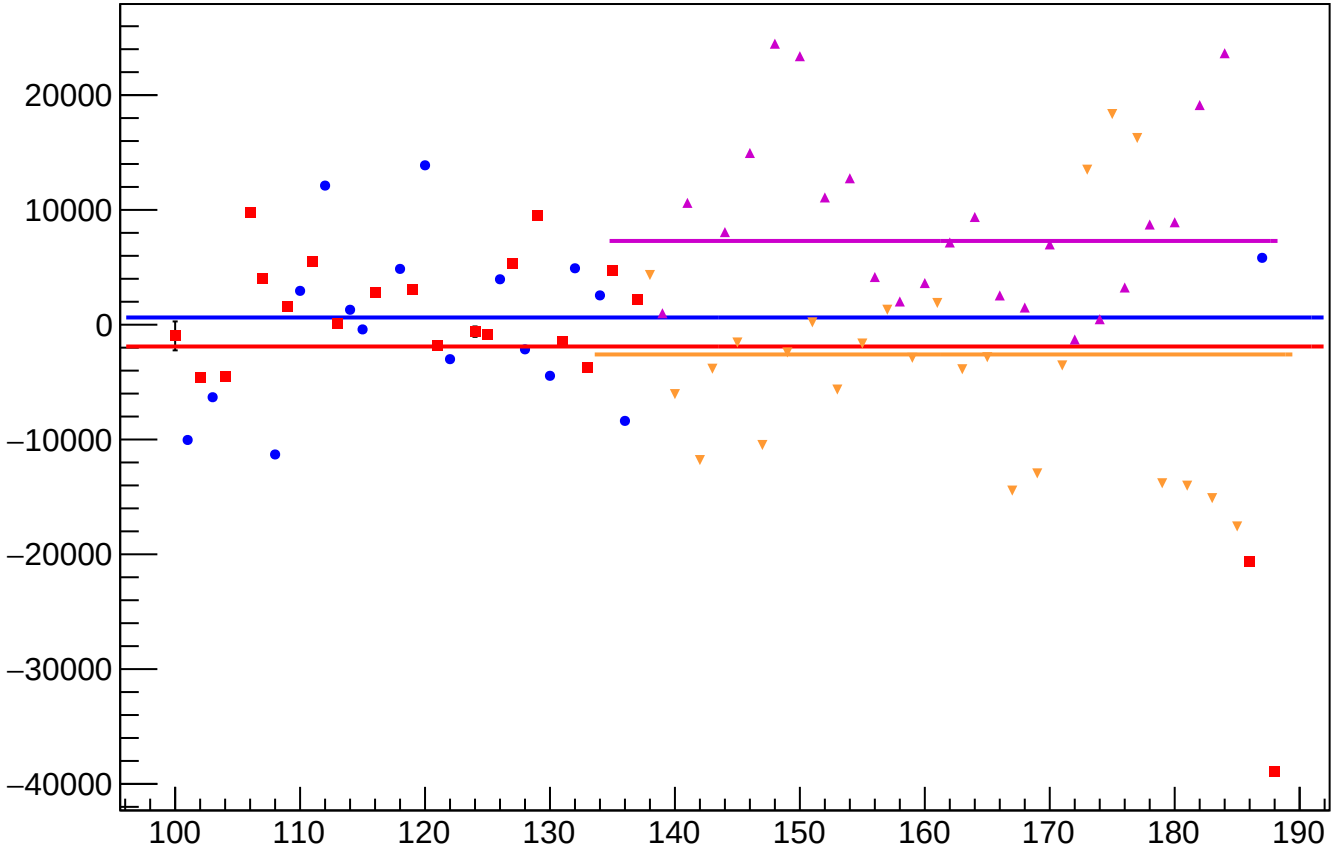
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 110.118+/-0.016 χ^2/NDF: 2921750.4/41

All: 110.312+/-0.011 χ^2/NDF: 6126759.9/85

- sign 110.504+/-0.016 χ^2/NDF: 3204707.8/43

asym_bpm0i01WS_mean vs Slug



Right In: 629.761+/-54.338 χ^2/NDF: 18762.1/16

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -1898.075+/-50.334 χ^2/NDF: 58968.6/20

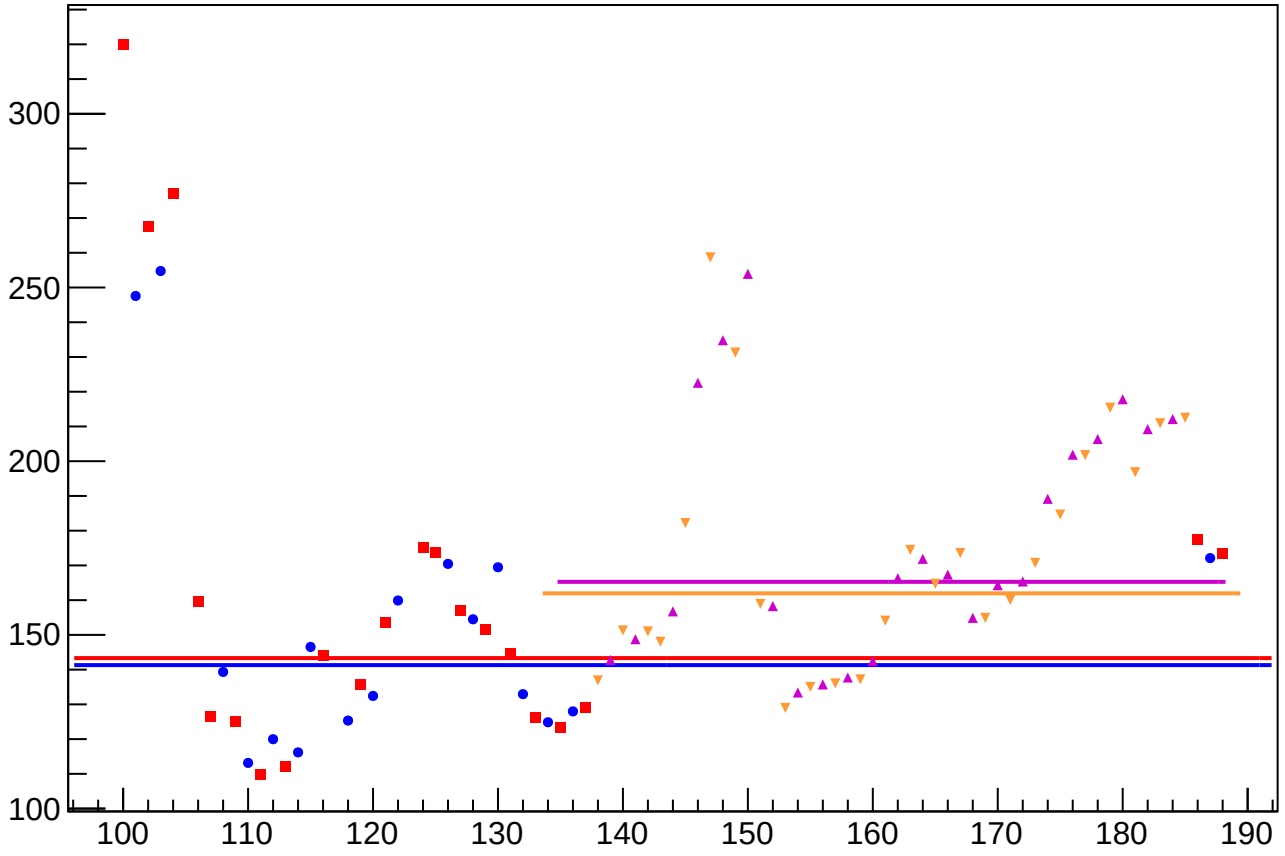
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign -1546.816+/-30.943 χ^2/NDF: 69131.3/41

All: 1104.073+/-21.939 χ^2/NDF: 188220.5/85

- sign 3783.715+/-31.111 χ^2/NDF: 104331.3/43

asym_bpm0i01WS_rms vs Slug



Right In: 141.303+/-0.038 χ^2/NDF: 687892.0/16

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 143.322+/-0.036 χ^2/NDF: 901573.9/20

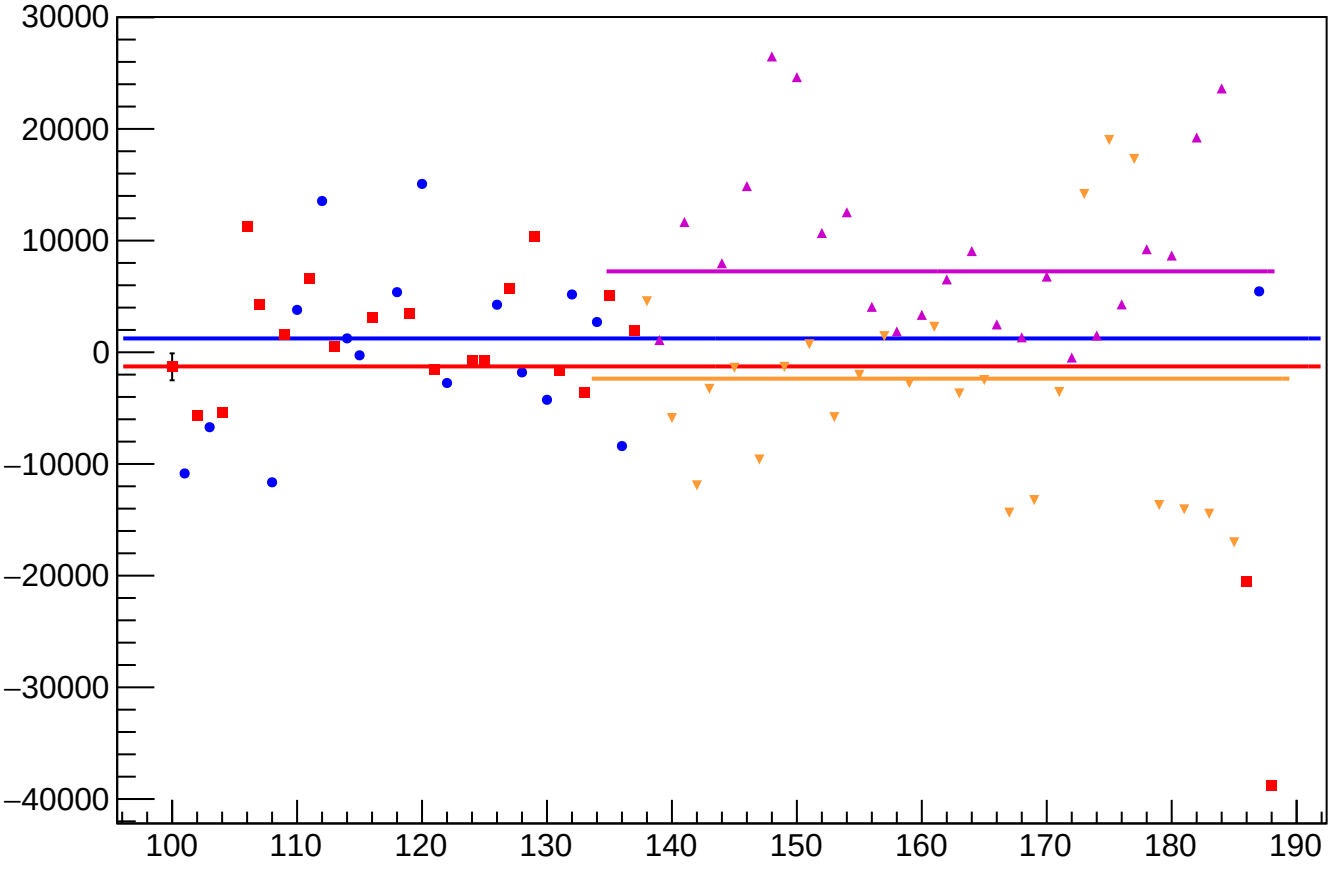
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 155.259+/-0.022 χ^2/NDF: 2027940.2/41

All: 156.069+/-0.016 χ^2/NDF: 4346395.2/85

- sign 156.887+/-0.022 χ^2/NDF: 2315703.2/43

asym_bpm0i01aWS_mean vs Slug



Right In: 1238.233+/-45.526 χ^2/NDF: 30907.4/16

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -1266.768+/-41.836 χ^2/NDF: 83435.6/20

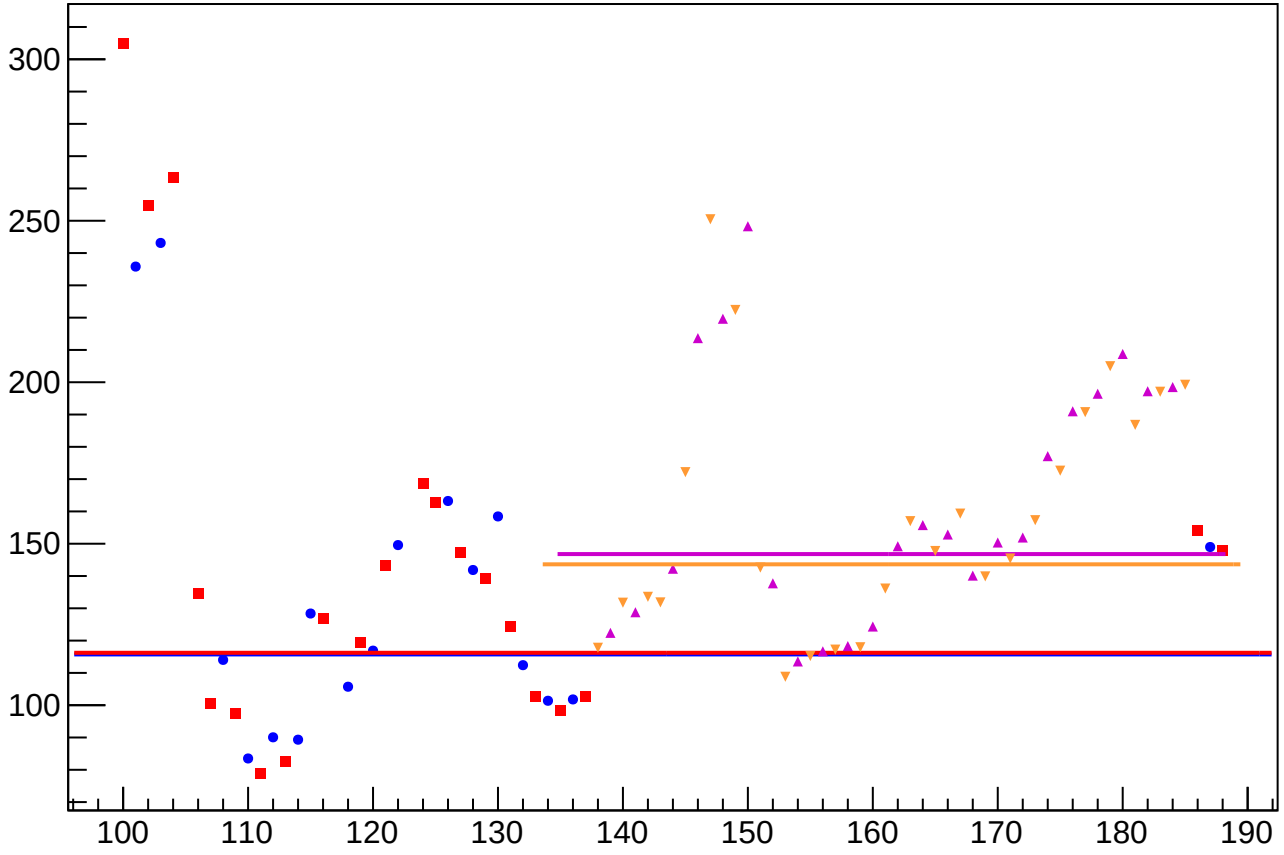
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

\+ sign -1087.722+/-27.076 χ^2/NDF: 93512.7/41

All: 1296.955+/-19.144 χ^2/NDF: 246968.1/85

\- sign 3680.795+/-27.071 χ^2/NDF: 137944.2/43

asym_bpm0i01aWS_rms vs Slug



Right In: 115.719+/-0.032 χ^2/NDF: 1132047.8/16

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 116.229+/-0.030 χ^2/NDF: 1481688.7/20

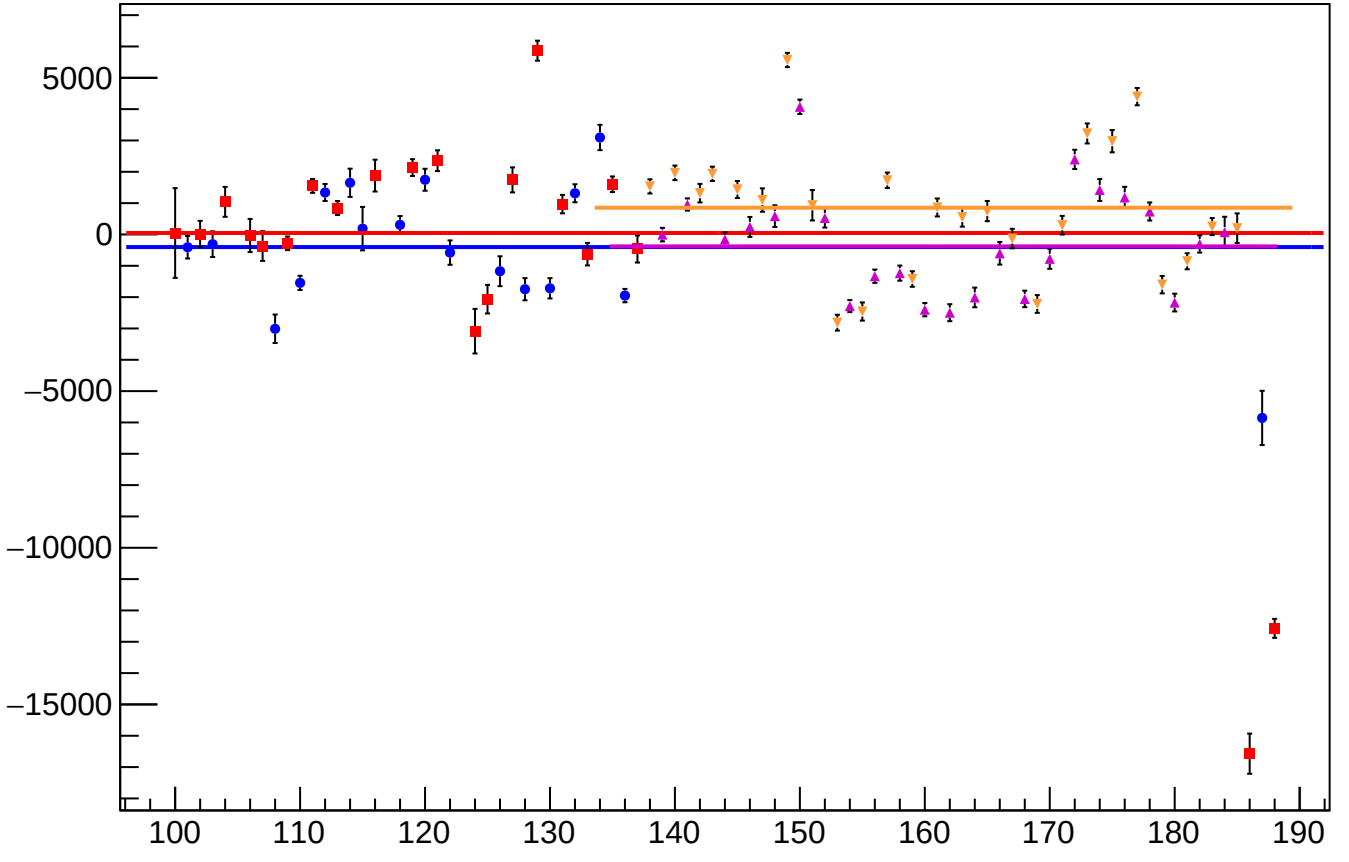
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 133.752+/-0.019 χ^2/NDF: 3280431.0/41

All: 133.874+/-0.014 χ^2/NDF: 7077243.0/85

- sign 133.995+/-0.019 χ^2/NDF: 3796731.4/43

asym_bpm0l01WS_mean vs Slug



Right In: -402.243+/-81.768 χ^2/NDF: 401.9/16

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 47.162+/-73.625 χ^2/NDF: 3043.7/20

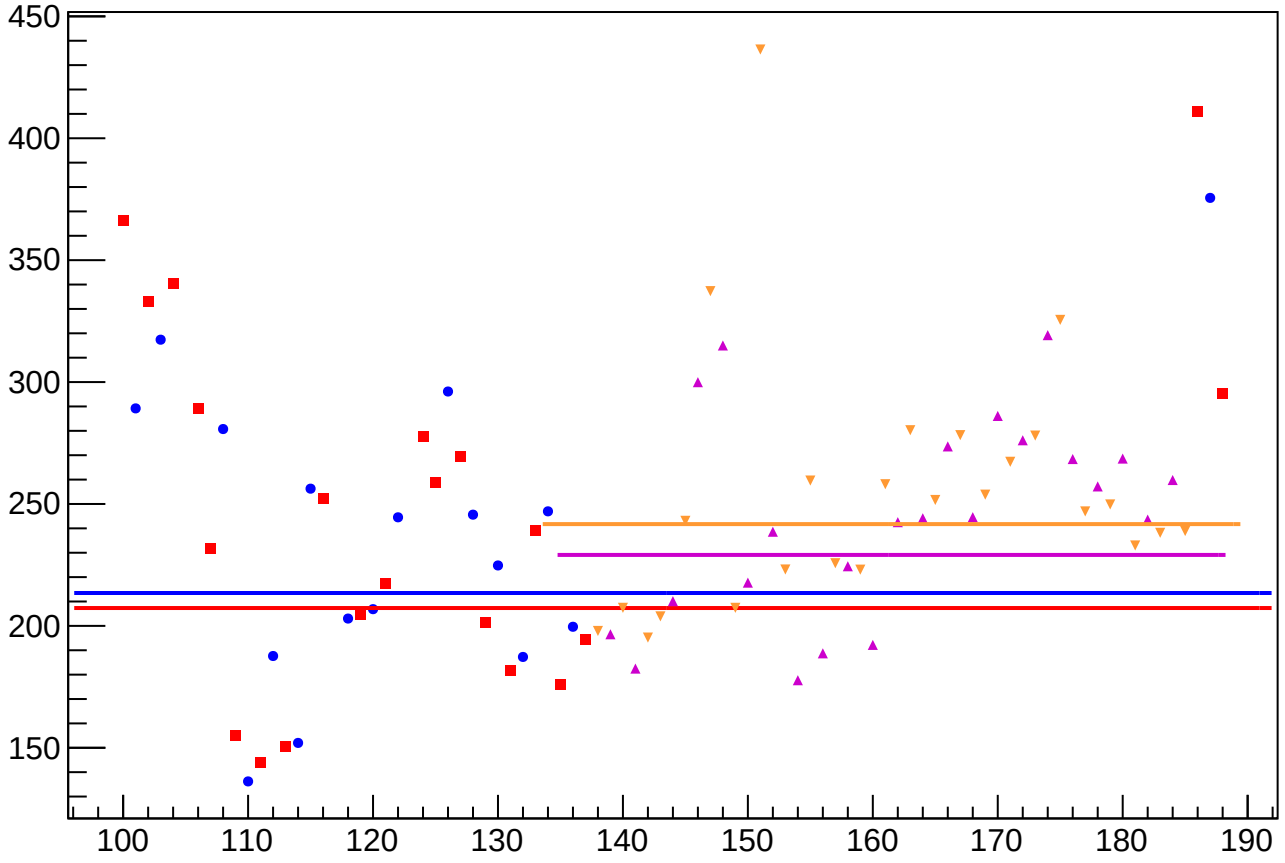
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 450.543+/-46.336 χ^2/NDF: 2005.9/41

All: 95.240+/-31.957 χ^2/NDF: 6165.9/85

- sign -227.073+/-44.132 χ^2/NDF: 4047.8/43

asym_bpm0l01WS_rms vs Slug



Right In: 213.487+/-0.058 χ^2/NDF: 761113.2/16

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 207.323+/-0.052 χ^2/NDF: 1370962.4/20

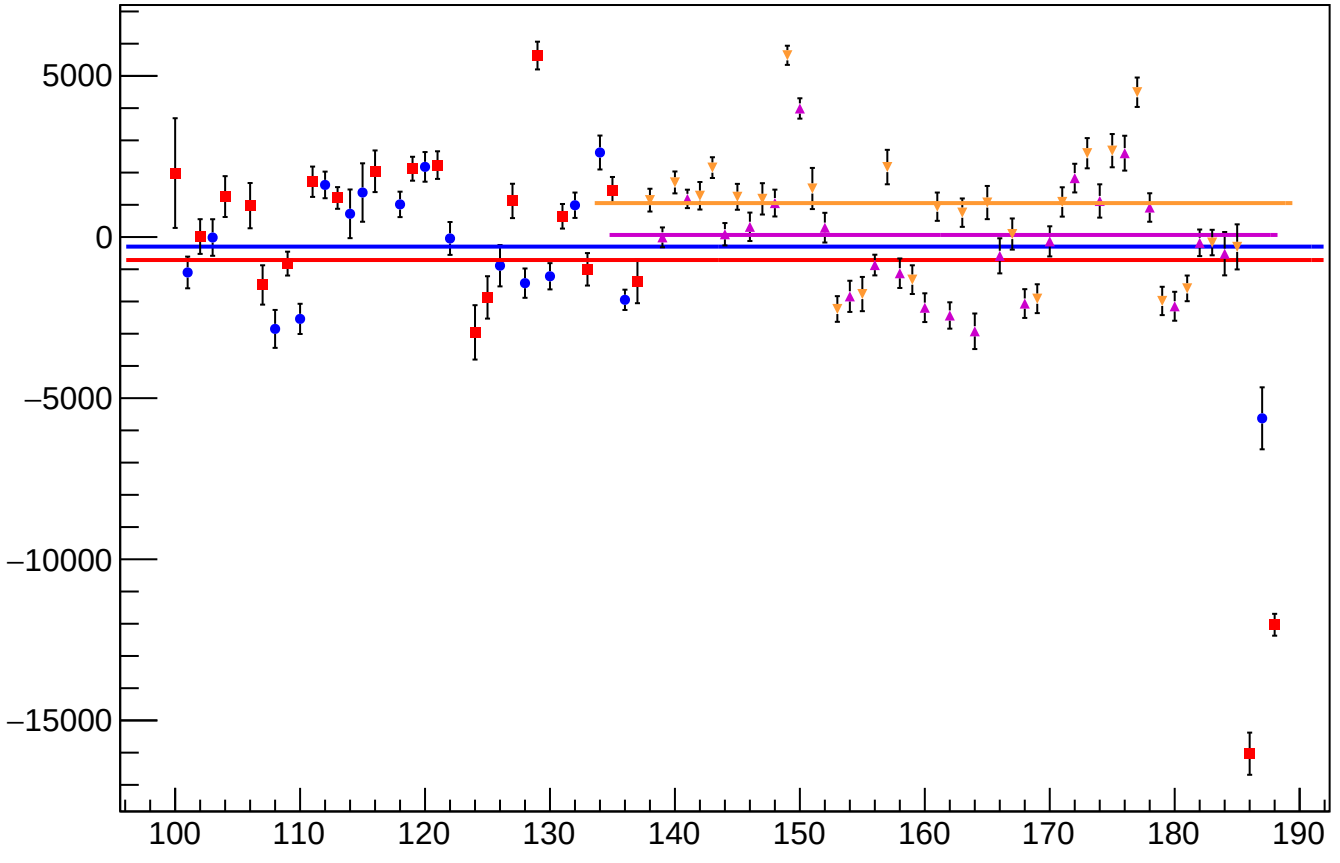
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 232.672+/-0.033 χ^2/NDF: 1909671.9/41

All: 226.697+/-0.023 χ^2/NDF: 4525143.2/85

- sign 221.278+/-0.031 χ^2/NDF: 2552061.7/43

asym_bpm0l02WS_mean vs Slug



Right In: -296.986+/-117.012 χ^2/NDF: 223.3/16

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -713.279+/-105.888 χ^2/NDF: 2146.1/20

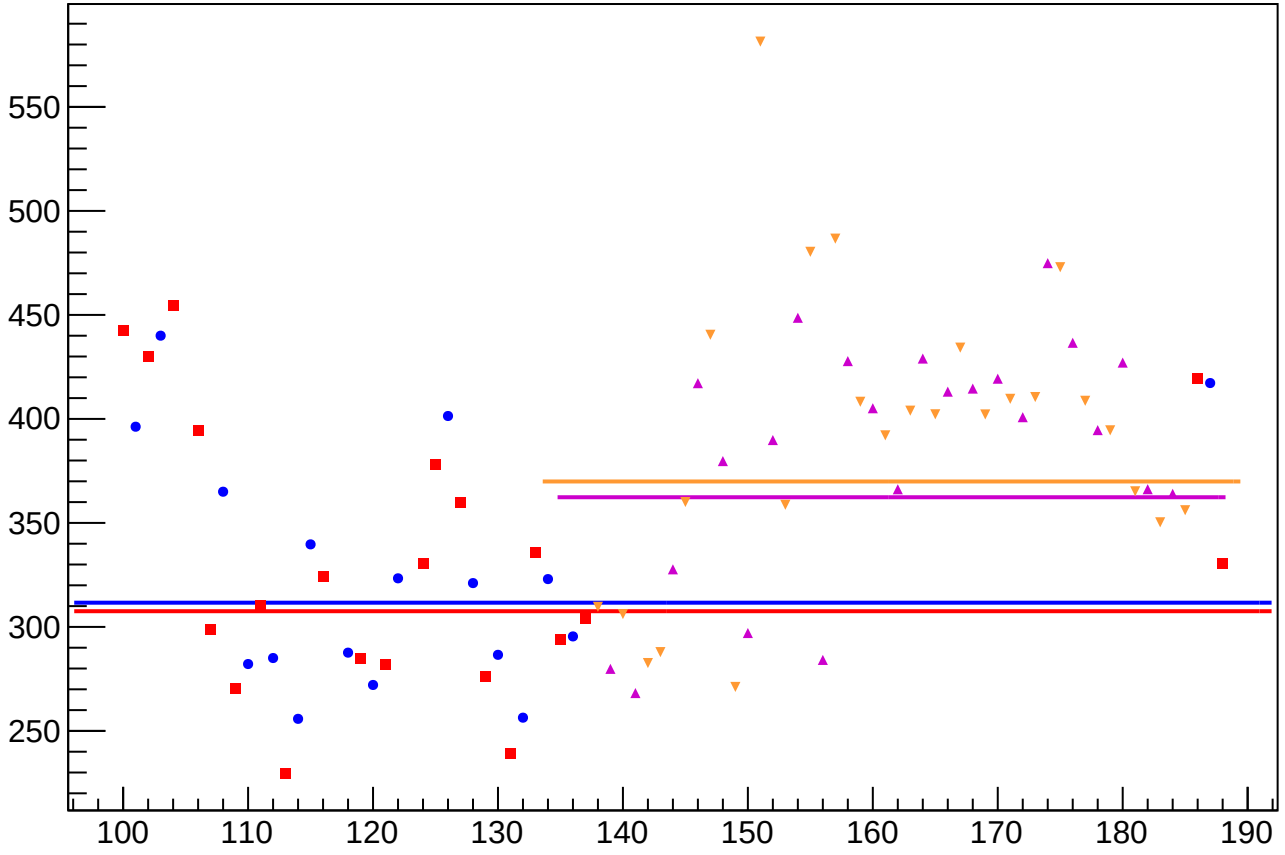
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 580.504+/-69.242 χ^2/NDF: 924.5/41

All: 153.323+/-48.173 χ^2/NDF: 3571.1/85

- sign -247.399+/-67.063 χ^2/NDF: 2572.8/43

asym_bpm0l02WS_rms vs Slug



Right In: 311.648+/-0.083 χ^2/NDF: 347752.1/16

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 307.548+/-0.075 χ^2/NDF: 593258.3/20

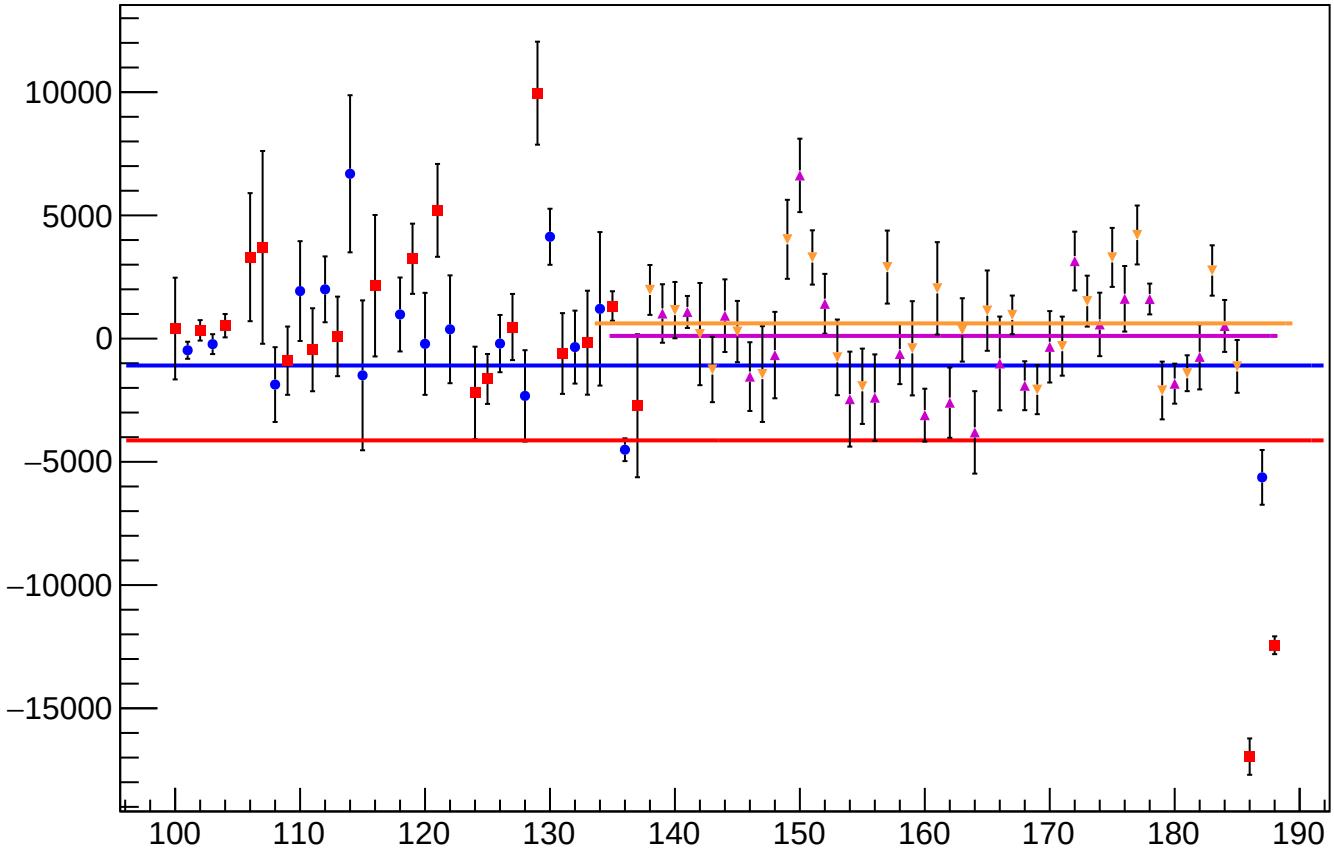
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 349.517+/-0.049 χ^2/NDF: 1900412.4/41

All: 344.793+/-0.034 χ^2/NDF: 3885830.7/85

- sign 340.362+/-0.047 χ^2/NDF: 1967377.7/43

asym_bpm0l03WS_mean vs Slug



Right In: -1090.955+/-201.329 χ^2/NDF: 118.4/16

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -4129.309+/-189.355 χ^2/NDF: 1289.3/20

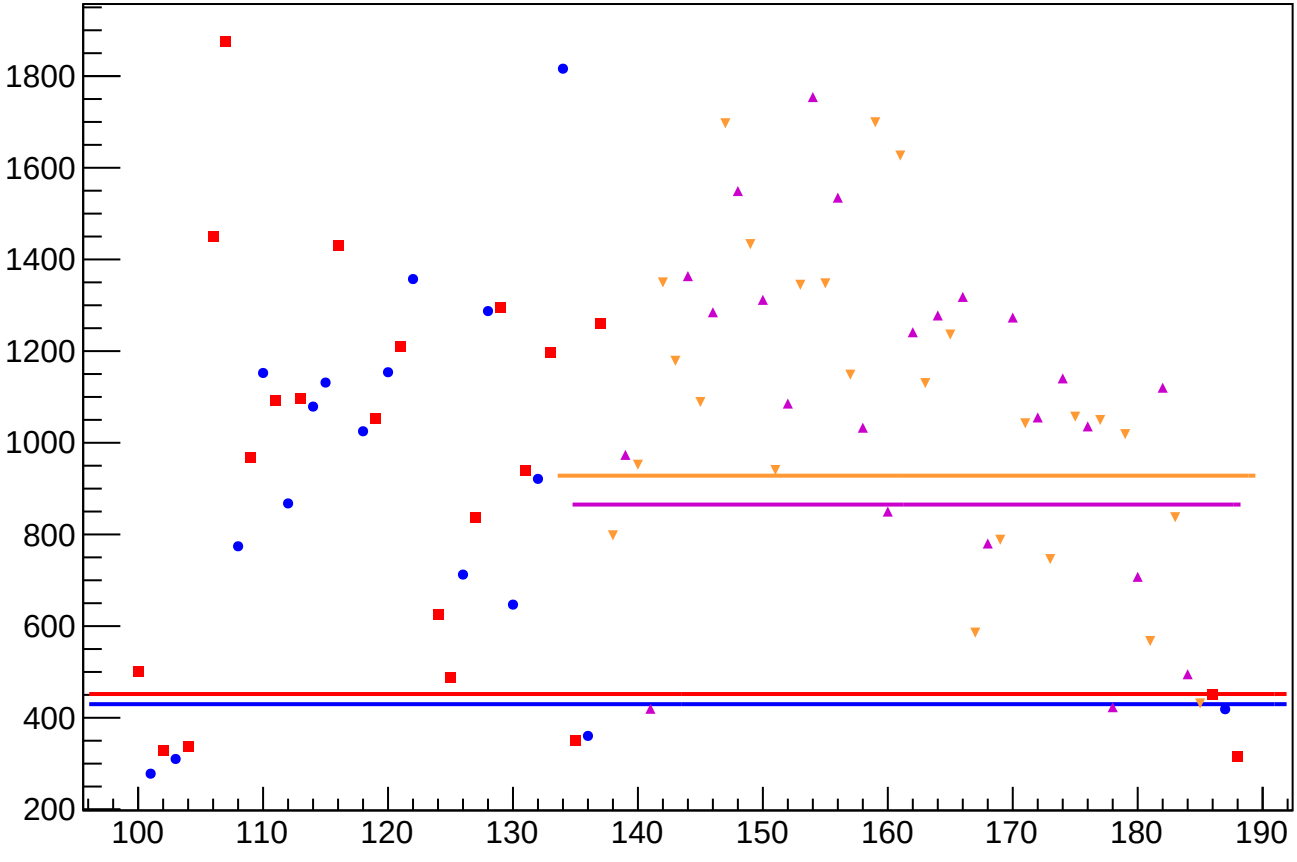
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -378.435+/-153.750 χ^2/NDF: 214.2/41

All: -1470.755+/-106.678 χ^2/NDF: 1867.0/85

- sign -2484.765+/-148.136 χ^2/NDF: 1555.4/43

asym_bpm0l03WS_rms vs Slug



Right In: 429.735+/-0.142 χ^2/NDF: 3522066.2/16

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 451.873+/-0.134 χ^2/NDF: 4083486.8/20

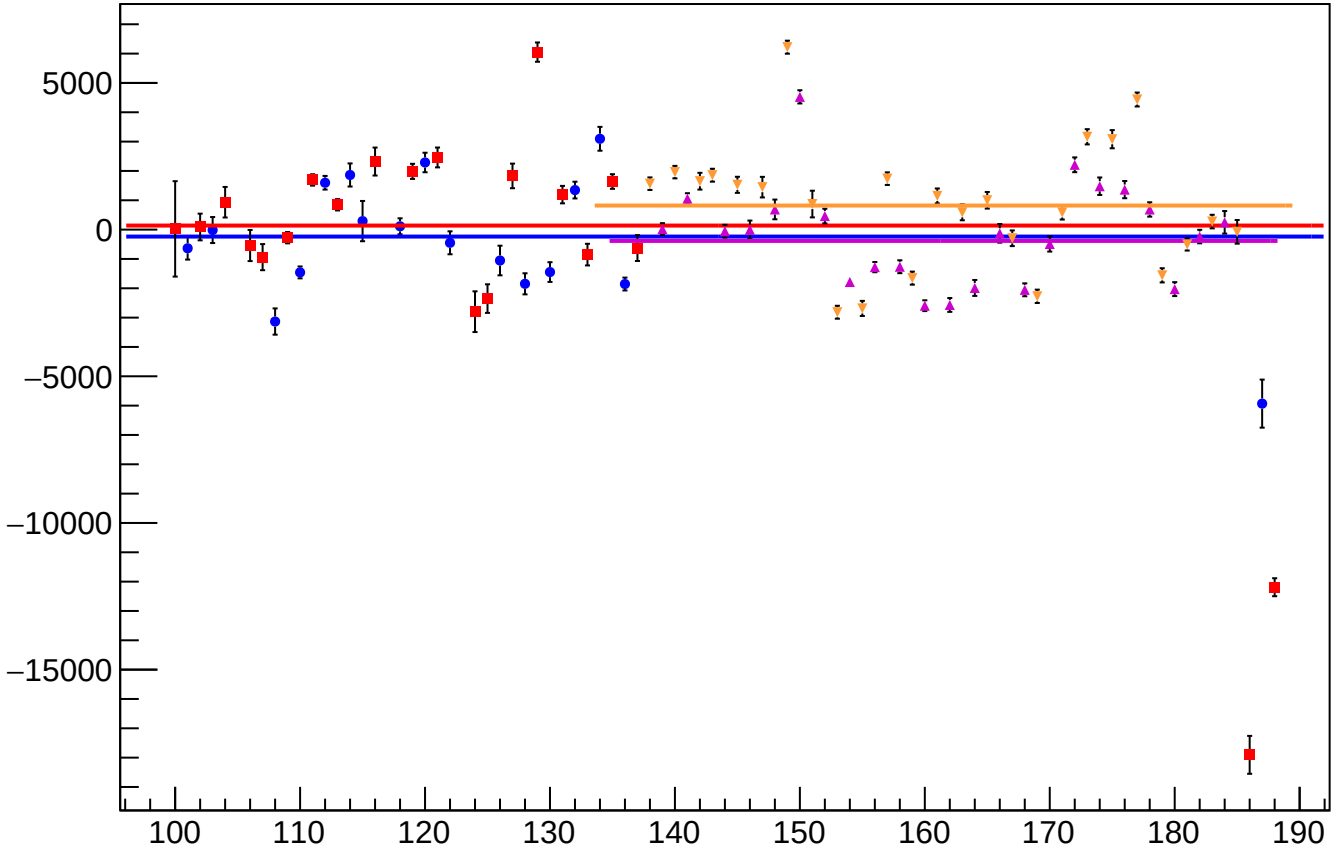
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 637.513+/-0.109 χ^2/NDF: 11927512.2/41

All: 624.407+/-0.075 χ^2/NDF: 24529257.5/85

- sign 612.241+/-0.105 χ^2/NDF: 12573722.8/43

asym_bpm0l04WS_mean vs Slug



Right In: -237.145+/-79.486 χ^2/NDF: 466.5/16

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 137.928+/-70.642 χ^2/NDF: 3054.0/20

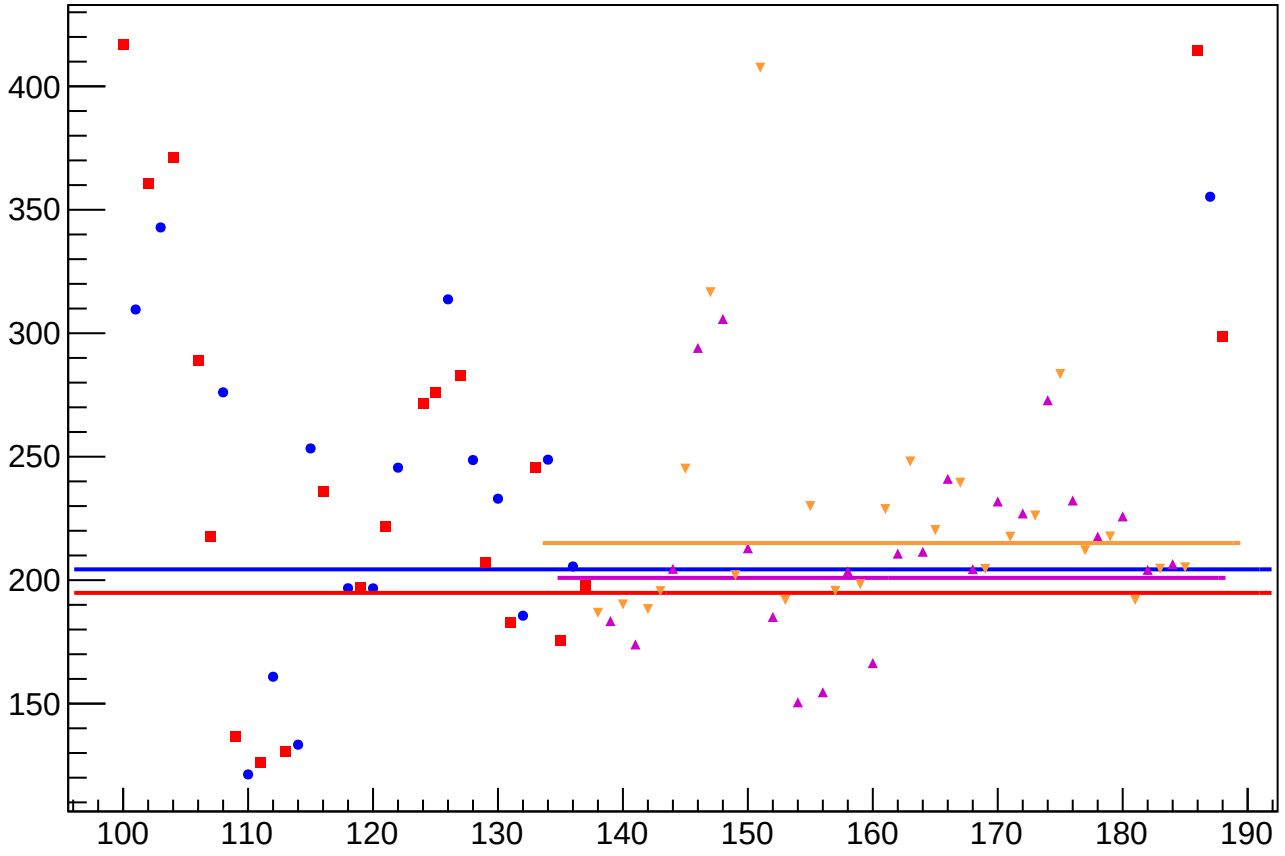
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 520.912+/-42.321 χ^2/NDF: 2584.2/41

All: 130.422+/-29.054 χ^2/NDF: 7089.8/85

- sign -217.689+/-39.958 χ^2/NDF: 4344.6/43

asym_bpm0l04WS_rms vs Slug



Right In: 204.376+/-0.056 χ^2/NDF: 1140377.5/16

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 194.846+/-0.050 χ^2/NDF: 1971155.3/20

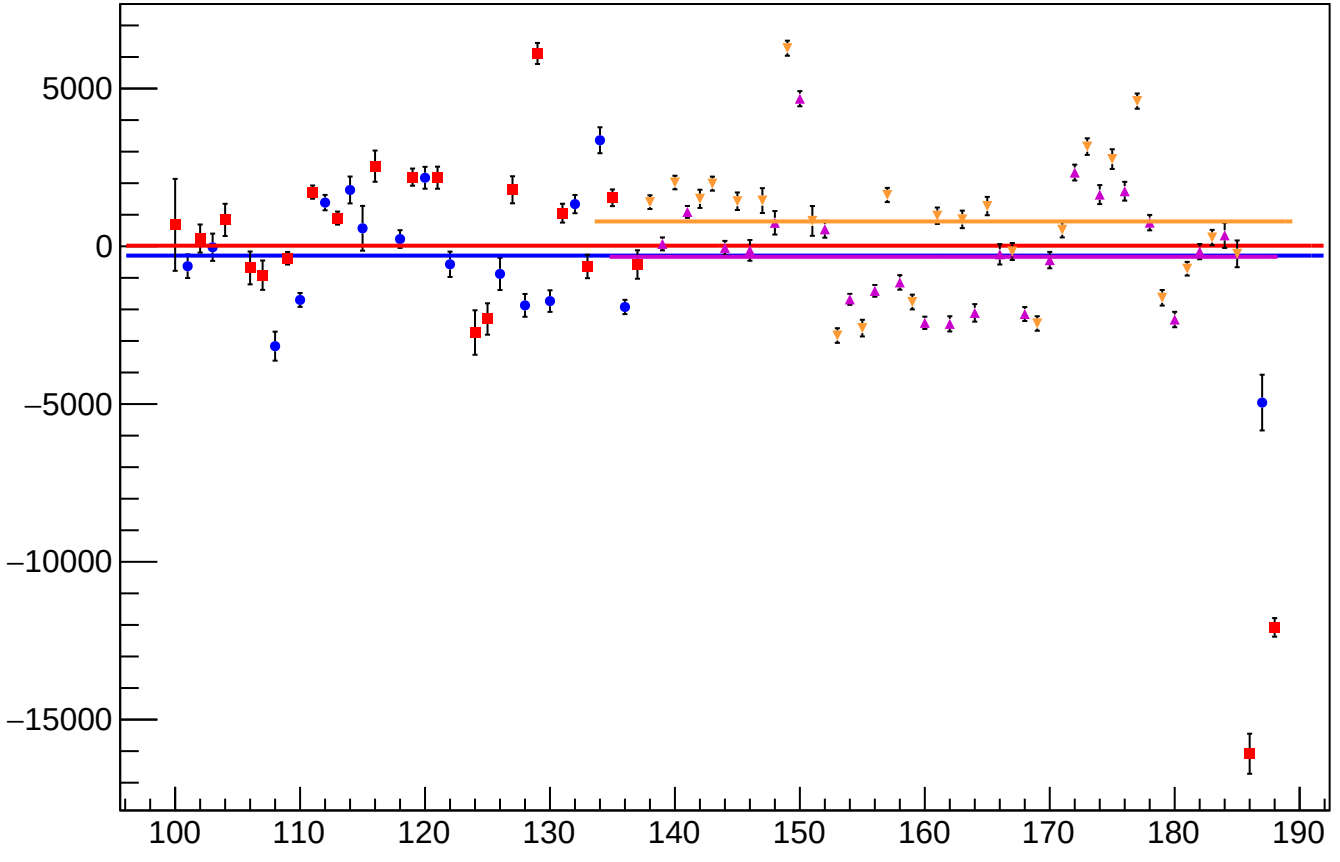
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 212.007+/-0.030 χ^2/NDF: 2063901.0/41

All: 205.117+/-0.021 χ^2/NDF: 5251223.6/85

- sign 198.974+/-0.028 χ^2/NDF: 3087043.1/43

asym_bpm0l05WS_mean vs Slug



Right In: -295.110+/-82.132 χ^2/NDF: 437.3/16

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 19.471+/-73.076 χ^2/NDF: 2990.7/20

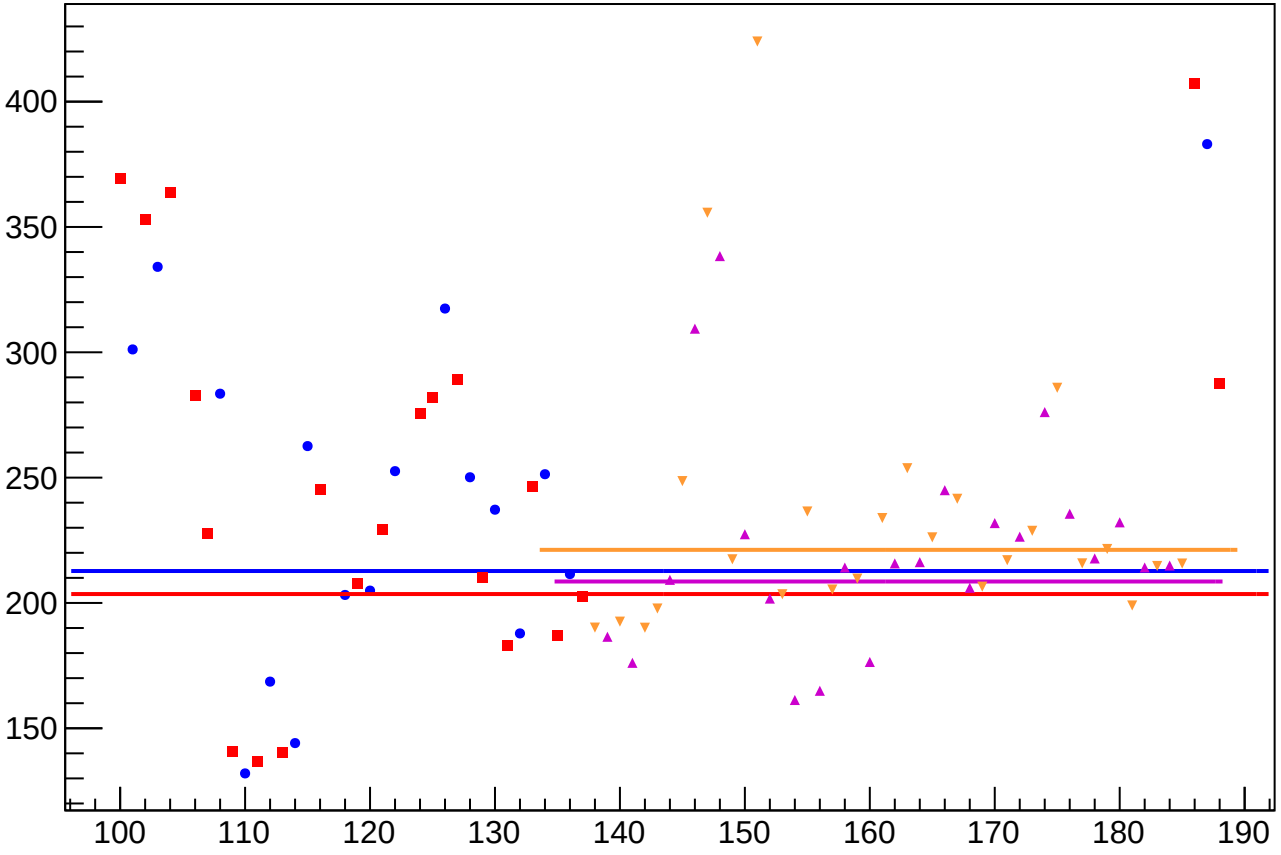
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 483.052+/-43.586 χ^2/NDF: 2452.5/41

All: 113.123+/-30.007 χ^2/NDF: 6811.2/85

- sign -220.217+/-41.374 χ^2/NDF: 4221.8/43

asym_bpm0l05WS_rms vs Slug



Right In: 212.740+/-0.058 χ^2/NDF: 959404.7/16

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 203.552+/-0.052 χ^2/NDF: 1677571.4/20

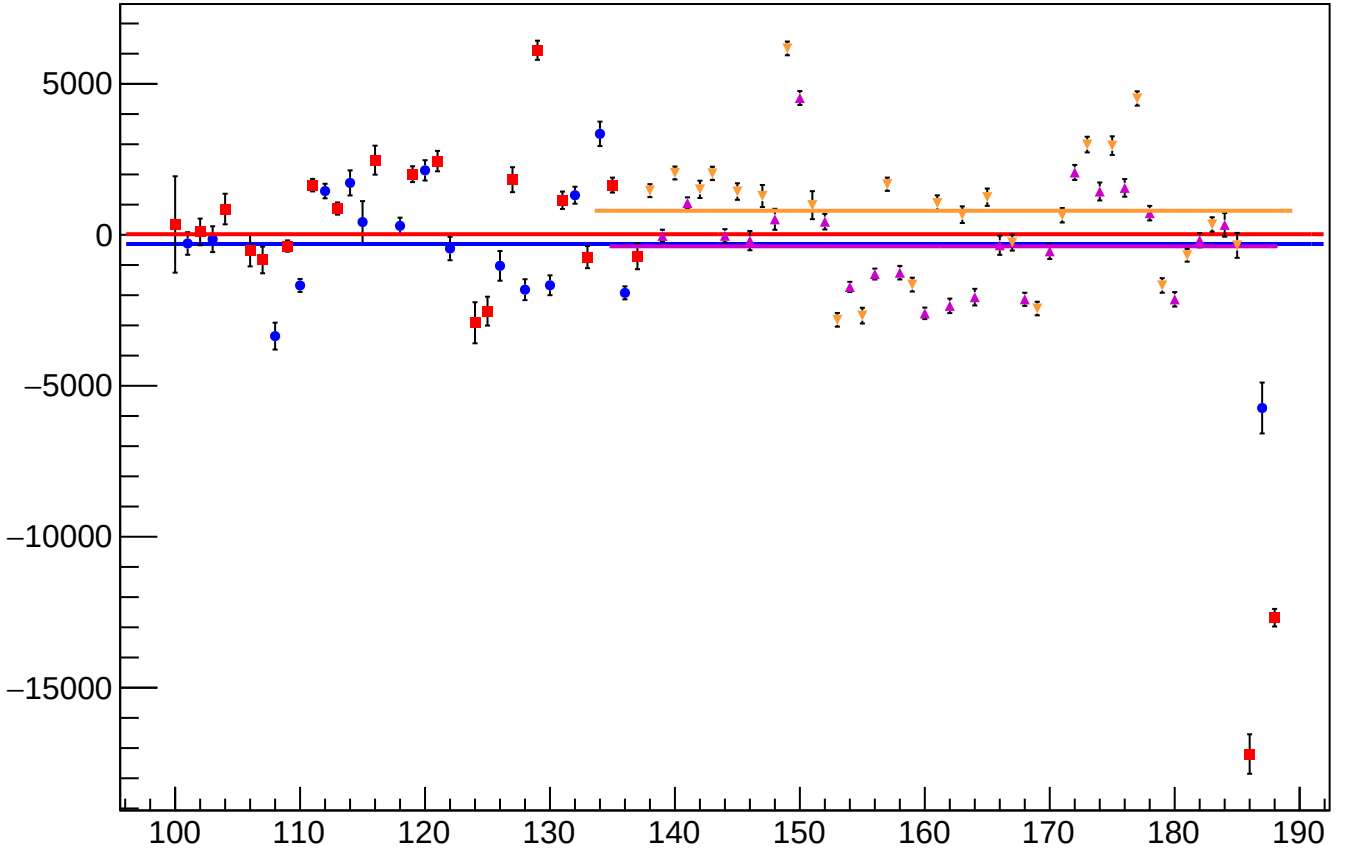
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 218.807+/-0.031 χ^2/NDF: 1914117.3/41

All: 212.571+/-0.021 χ^2/NDF: 4711526.1/85

- sign 206.952+/-0.029 χ^2/NDF: 2719582.2/43

asym_bpm0l06WS_mean vs Slug



Right In: -303.174+/-79.862 χ^2/NDF: 473.9/16

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 20.465+/-70.731 χ^2/NDF: 3315.4/20

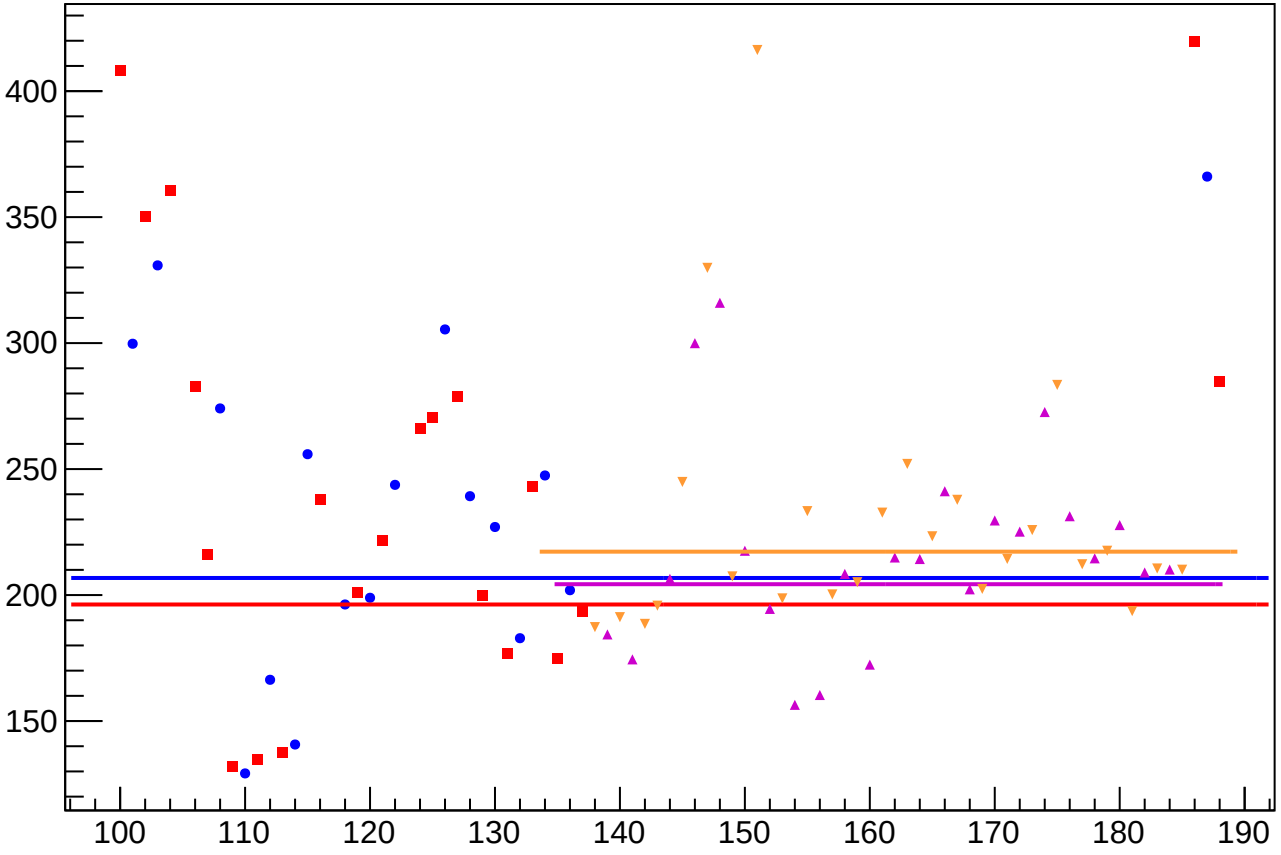
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 483.131+/-42.680 χ^2/NDF: 2570.4/41

All: 96.714+/-29.332 χ^2/NDF: 7263.9/85

- sign -249.191+/-40.380 χ^2/NDF: 4538.2/43

asym_bpm0l06WS_rms vs Slug



Right In: 206.782+/-0.056 χ^2/NDF: 949363.2/16

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 196.257+/-0.050 χ^2/NDF: 1780611.5/20

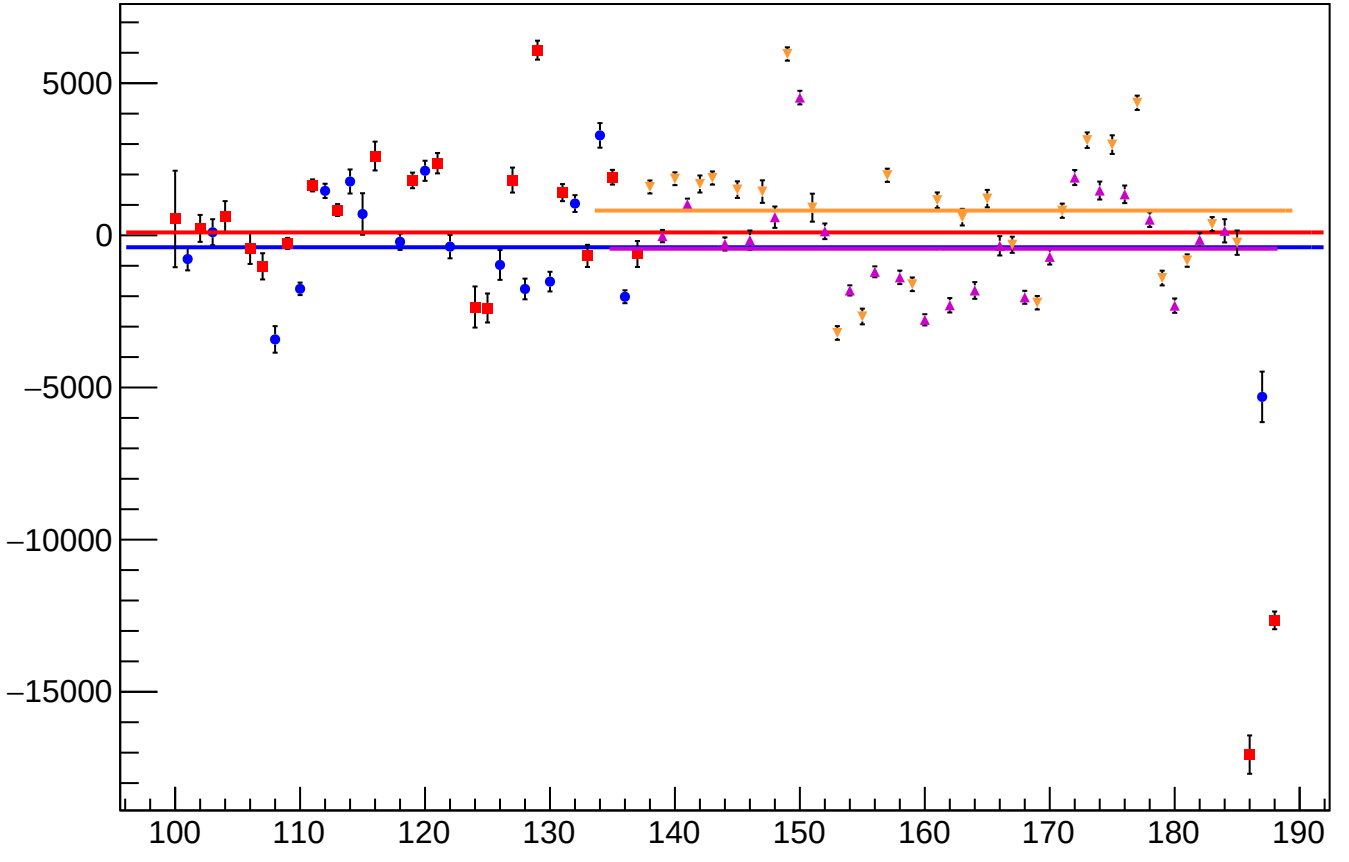
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 214.242+/-0.030 χ^2/NDF: 1884236.9/41

All: 207.616+/-0.021 χ^2/NDF: 4788731.4/85

- sign 201.684+/-0.029 χ^2/NDF: 2813127.3/43

asym_bpm0l07WS_mean vs Slug



Right In: -391.654+/-78.218 χ^2/NDF: 481.1/16

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 95.986+/-69.054 χ^2/NDF: 3377.0/20

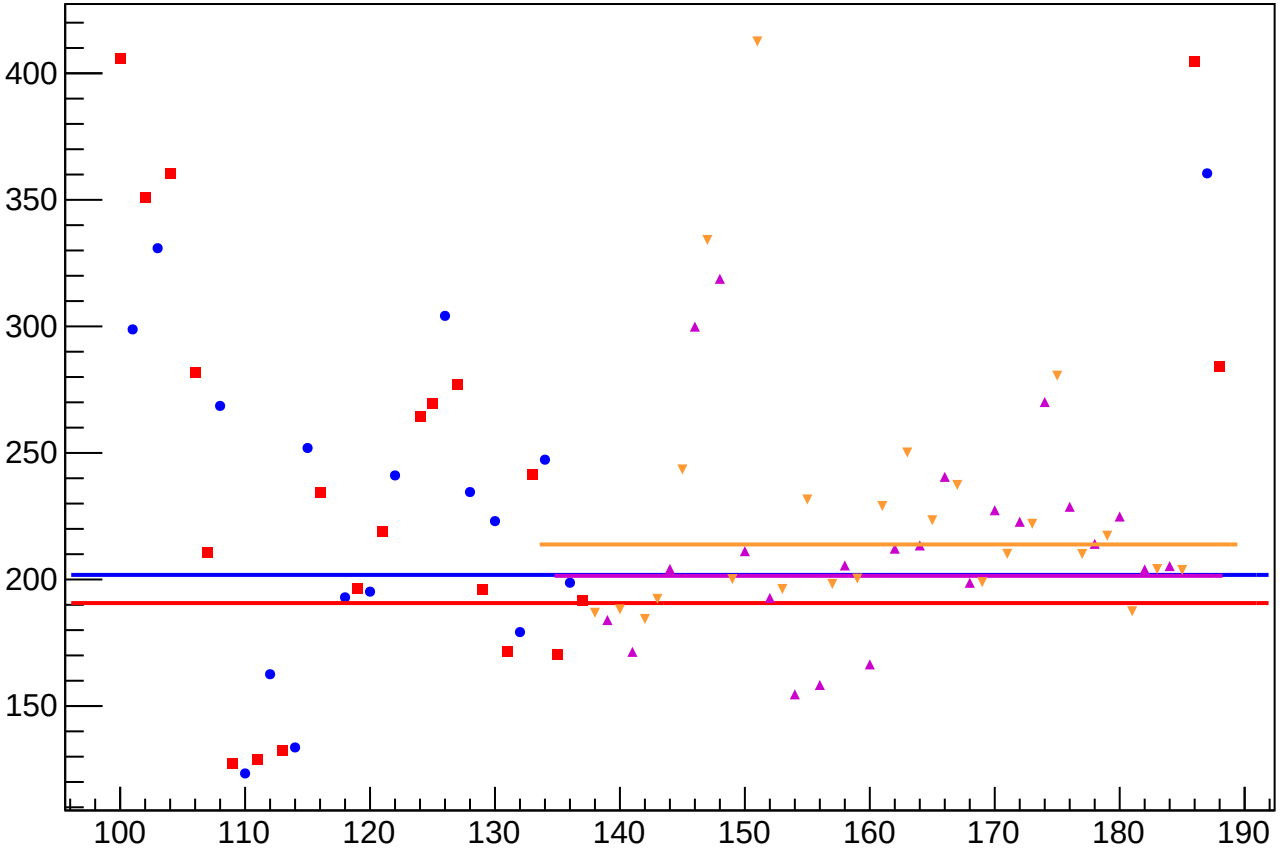
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 466.836+/-41.984 χ^2/NDF: 2650.7/41

All: 81.838+/-28.849 χ^2/NDF: 7462.3/85

- sign -262.553+/-39.708 χ^2/NDF: 4652.2/43

asym_bpm0l07WS_rms vs Slug



Right In: 201.818+/-0.055 χ^2/NDF: 1032618.5/16

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 190.687+/-0.049 χ^2/NDF: 1910019.9/20

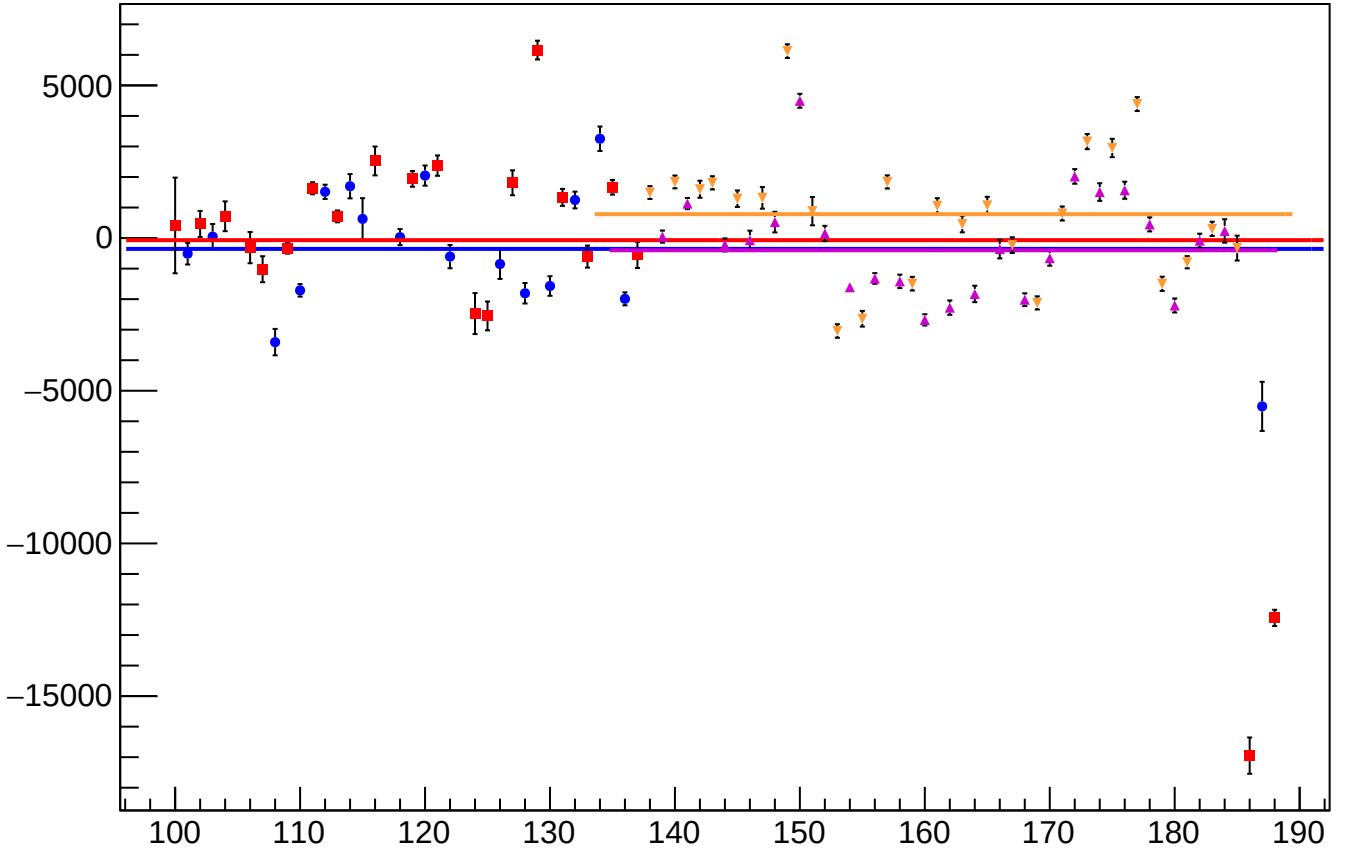
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 210.382+/-0.030 χ^2/NDF: 2029879.0/41

All: 203.787+/-0.020 χ^2/NDF: 5127856.4/85

- sign 197.888+/-0.028 χ^2/NDF: 3004486.4/43

asym_bpm0l08WS_mean vs Slug



Right In: -354.038+/-77.506 χ^2/NDF: 493.4/16

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -68.222+/-67.998 χ^2/NDF: 3760.3/20

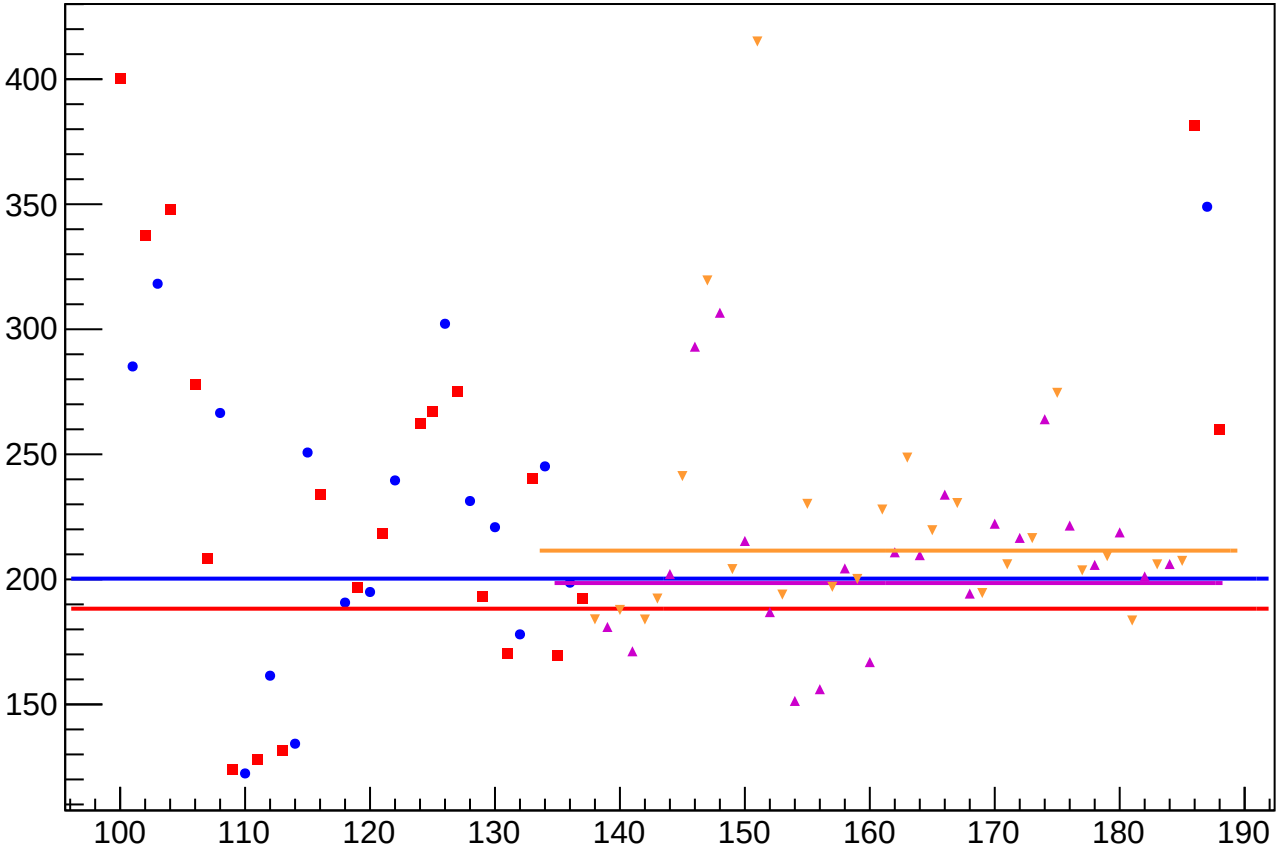
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 455.990+/-41.537 χ^2/NDF: 2647.9/41

All: 60.570+/-28.476 χ^2/NDF: 7827.1/85

- sign -290.080+/-39.115 χ^2/NDF: 5008.3/43

asym_bpm0l08WS_rms vs Slug



Right In: 200.298+/-0.055 χ^2/NDF: 981824.9/16

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 188.276+/-0.048 χ^2/NDF: 1814484.2/20

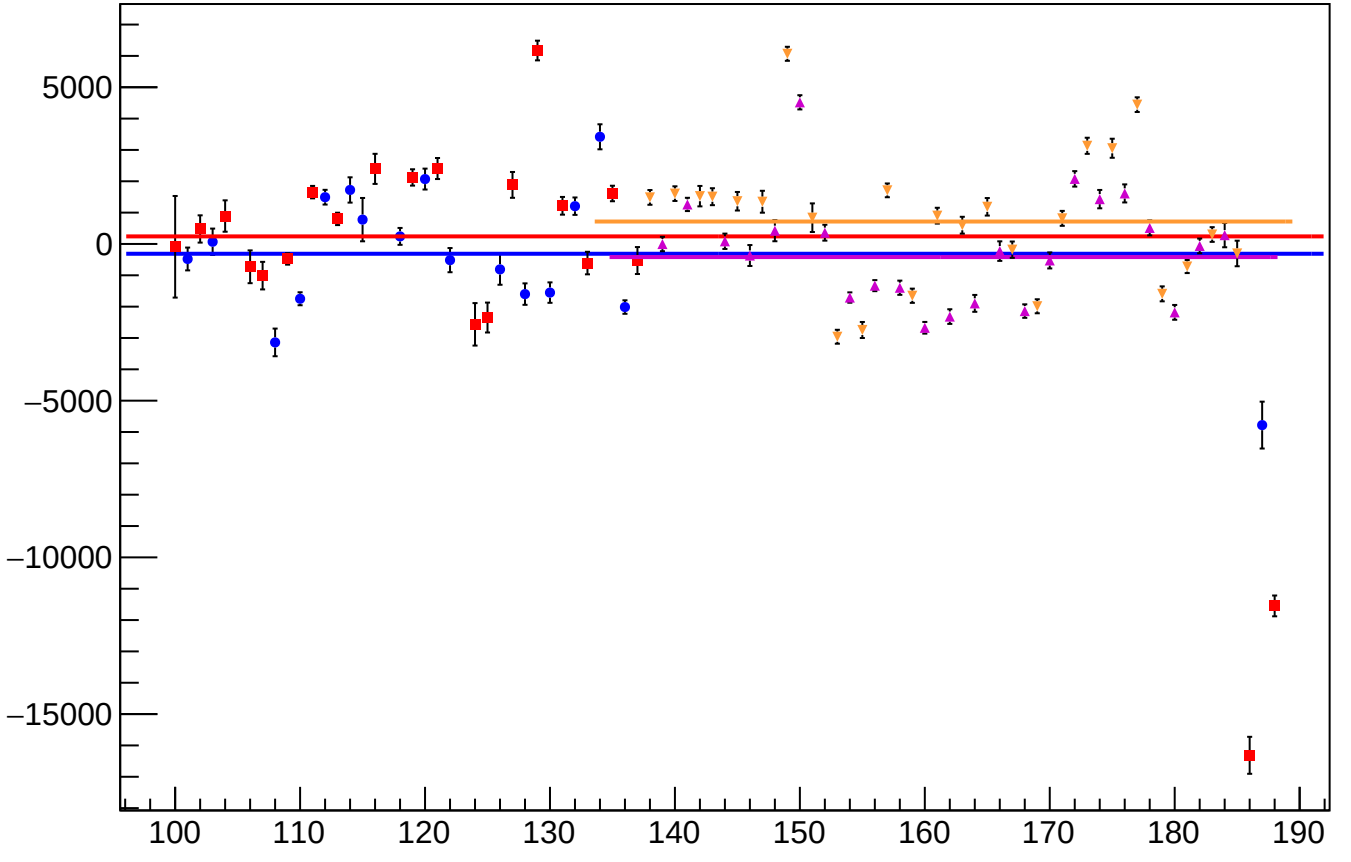
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 208.279+/-0.029 χ^2/NDF: 1946561.8/41

All: 201.312+/-0.020 χ^2/NDF: 4904082.3/85

- sign 195.133+/-0.028 χ^2/NDF: 2851341.9/43

asym_bpm0l09WS_mean vs Slug



Right In: -312.779+/-78.537 χ^2/NDF: 495.3/16

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 241.385+/-70.041 χ^2/NDF: 2720.9/20

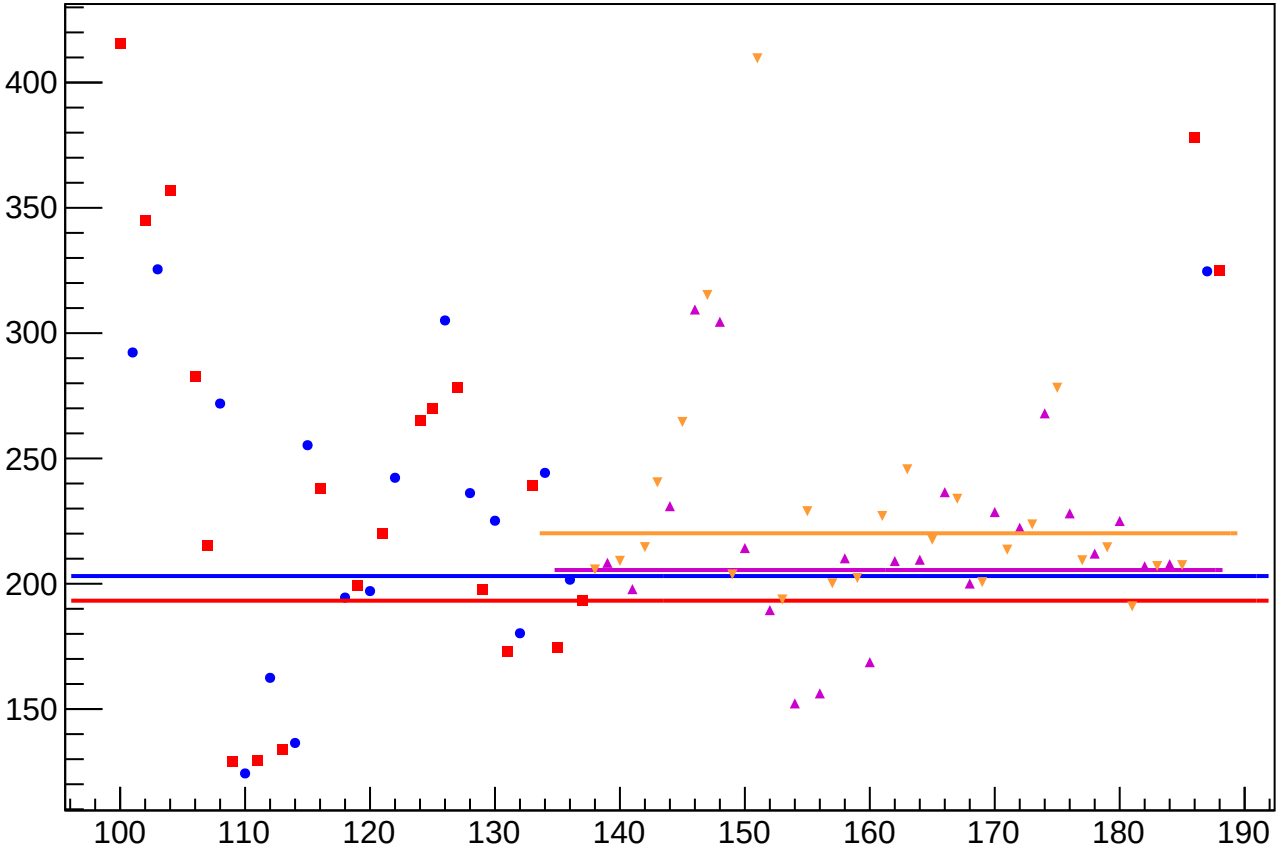
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 409.679+/-42.838 χ^2/NDF: 2533.7/41

All: 88.011+/-29.405 χ^2/NDF: 6661.4/85

- sign -198.609+/-40.437 χ^2/NDF: 4021.0/43

asym_bpm0l09WS_rms vs Slug



Right In: 203.070+/-0.056 χ^2/NDF: 977689.5/16

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 193.242+/-0.050 χ^2/NDF: 1946105.2/20

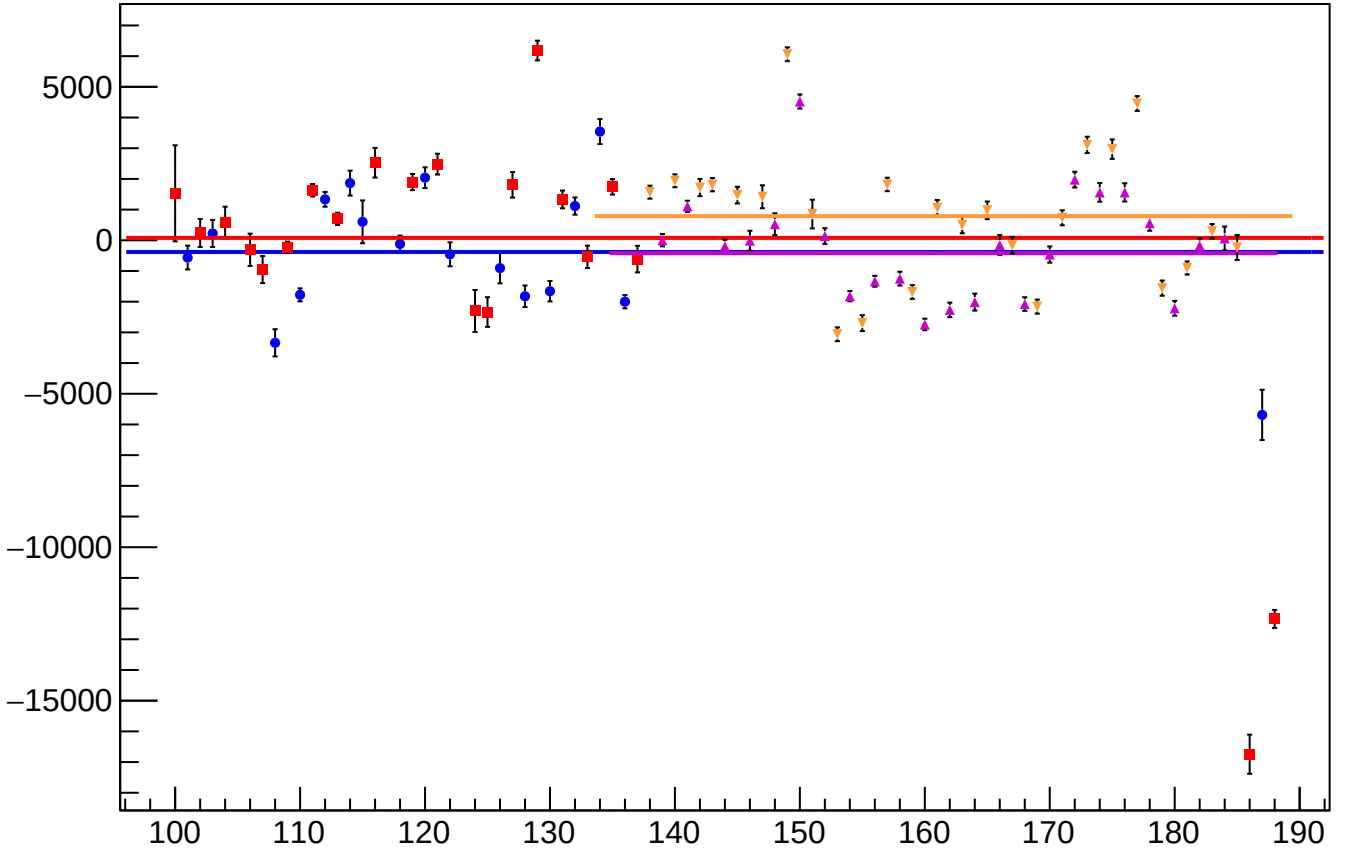
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 215.065+/-0.030 χ^2/NDF: 1843800.1/41

All: 207.840+/-0.021 χ^2/NDF: 4952175.3/85

- sign 201.402+/-0.029 χ^2/NDF: 3000786.9/43

asym_bpm0l10WS_mean vs Slug



Right In: -380.426+/-79.983 χ^2/NDF: 478.8/16

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 78.402+/-70.771 χ^2/NDF: 3172.4/20

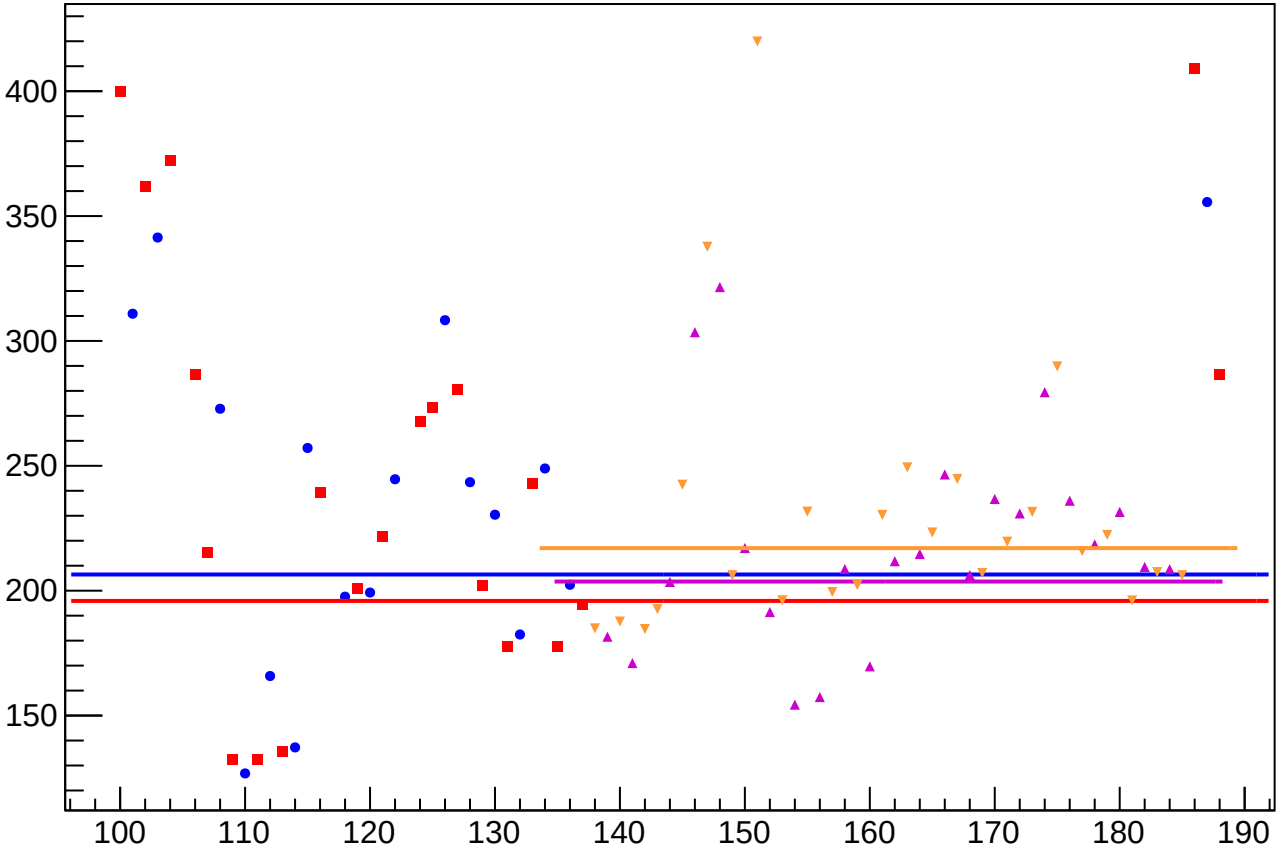
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 453.978+/-42.715 χ^2/NDF: 2568.6/41

All: 78.423+/-29.340 χ^2/NDF: 7131.7/85

- sign -257.027+/-40.370 χ^2/NDF: 4416.7/43

asym_bpm0l10WS_rms vs Slug



Right In: 206.487+/-0.057 χ^2/NDF: 1029907.4/16

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 195.911+/-0.050 χ^2/NDF: 1850597.4/20

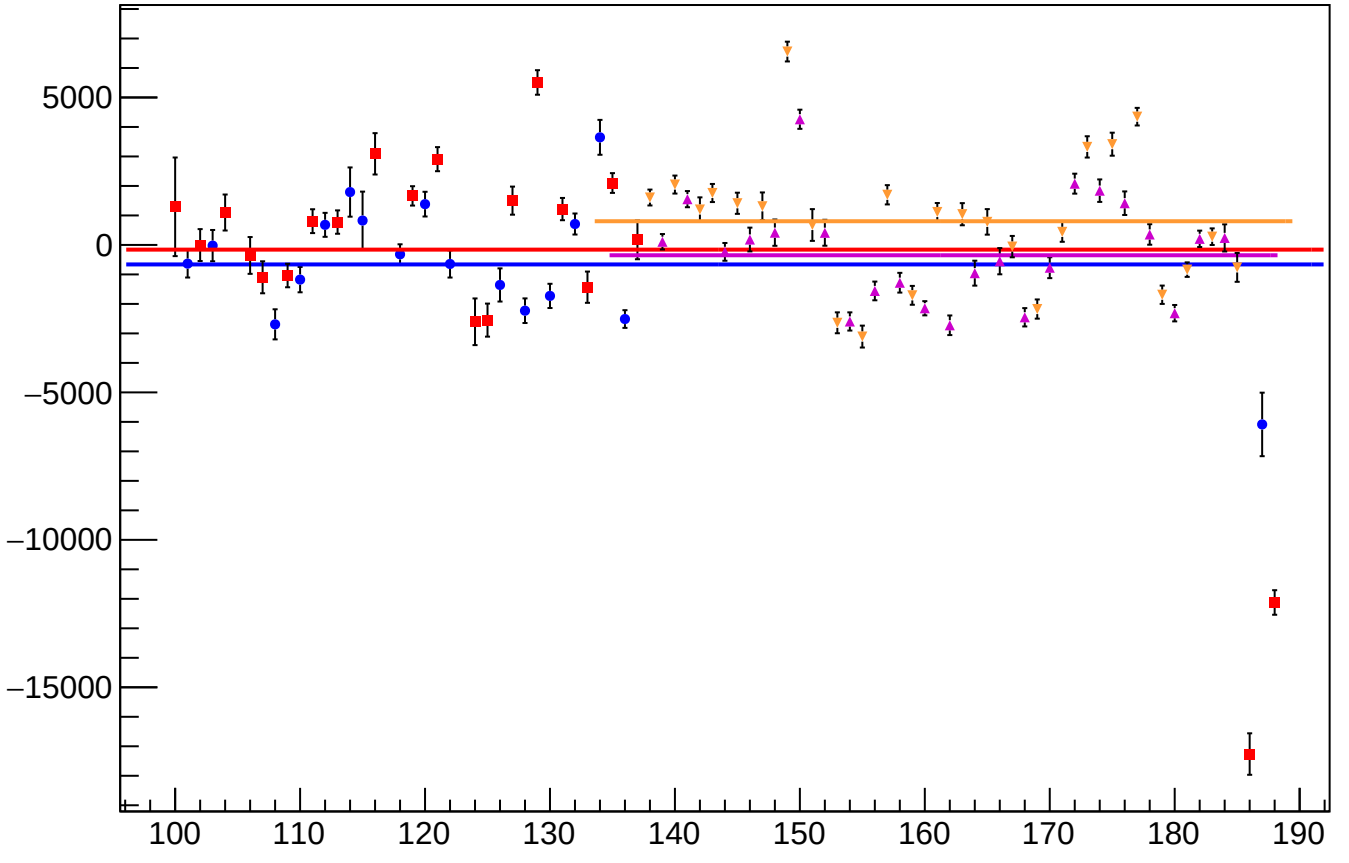
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 214.030+/-0.030 χ^2/NDF: 2037964.4/41

All: 207.221+/-0.021 χ^2/NDF: 5166289.6/85

- sign 201.139+/-0.029 χ^2/NDF: 3032106.0/43

asym_bpm0r03WS_mean vs Slug



Right In: -661.172+/-110.113 χ^2/NDF: 219.2/16

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -159.238+/-103.637 χ^2/NDF: 1840.1/20

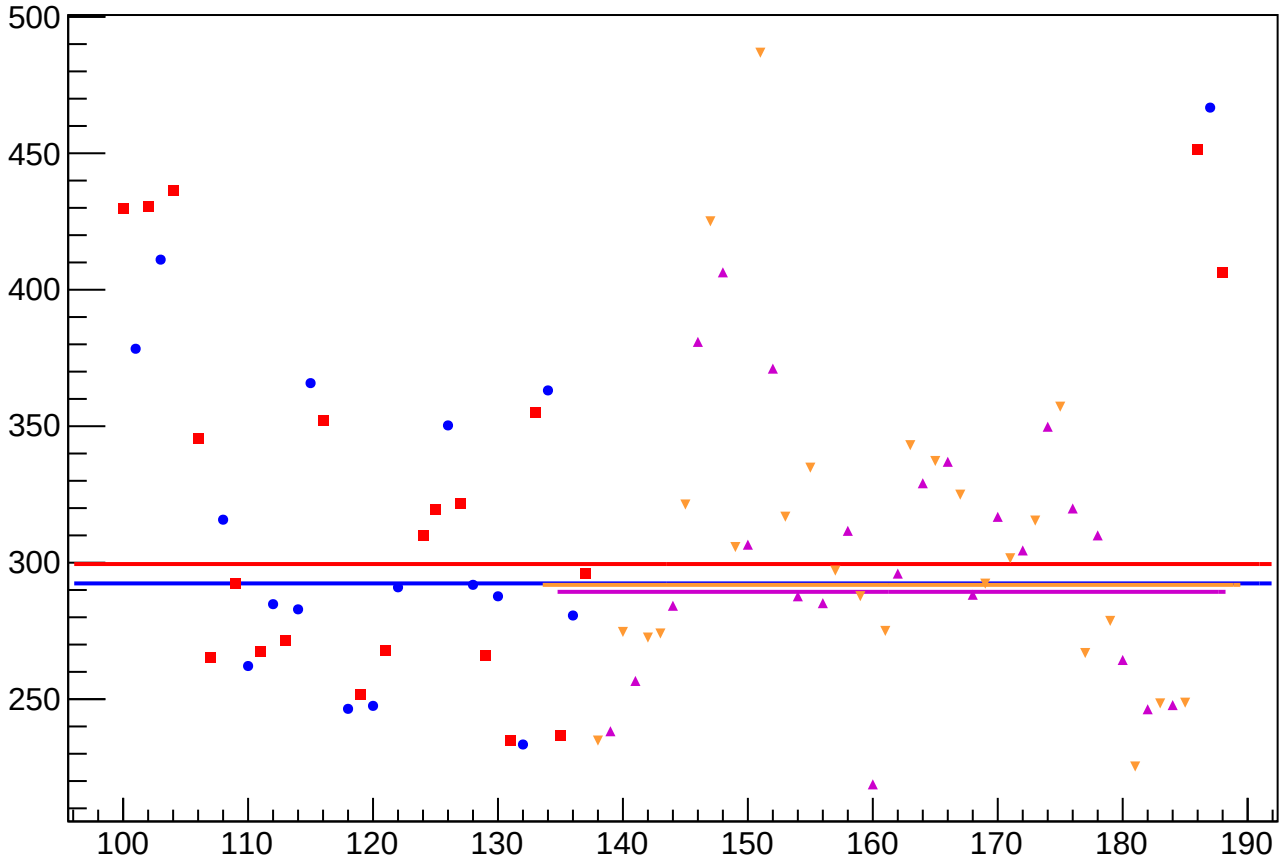
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 401.961+/-57.667 χ^2/NDF: 1405.3/41

All: 53.779+/-40.691 χ^2/NDF: 3976.5/85

- sign -291.495+/-57.426 χ^2/NDF: 2498.5/43

asym_bpm0r03WS_rms vs Slug



Right In: 292.408+/-0.078 χ^2/NDF: 412763.9/16

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 299.505+/-0.073 χ^2/NDF: 733948.1/20

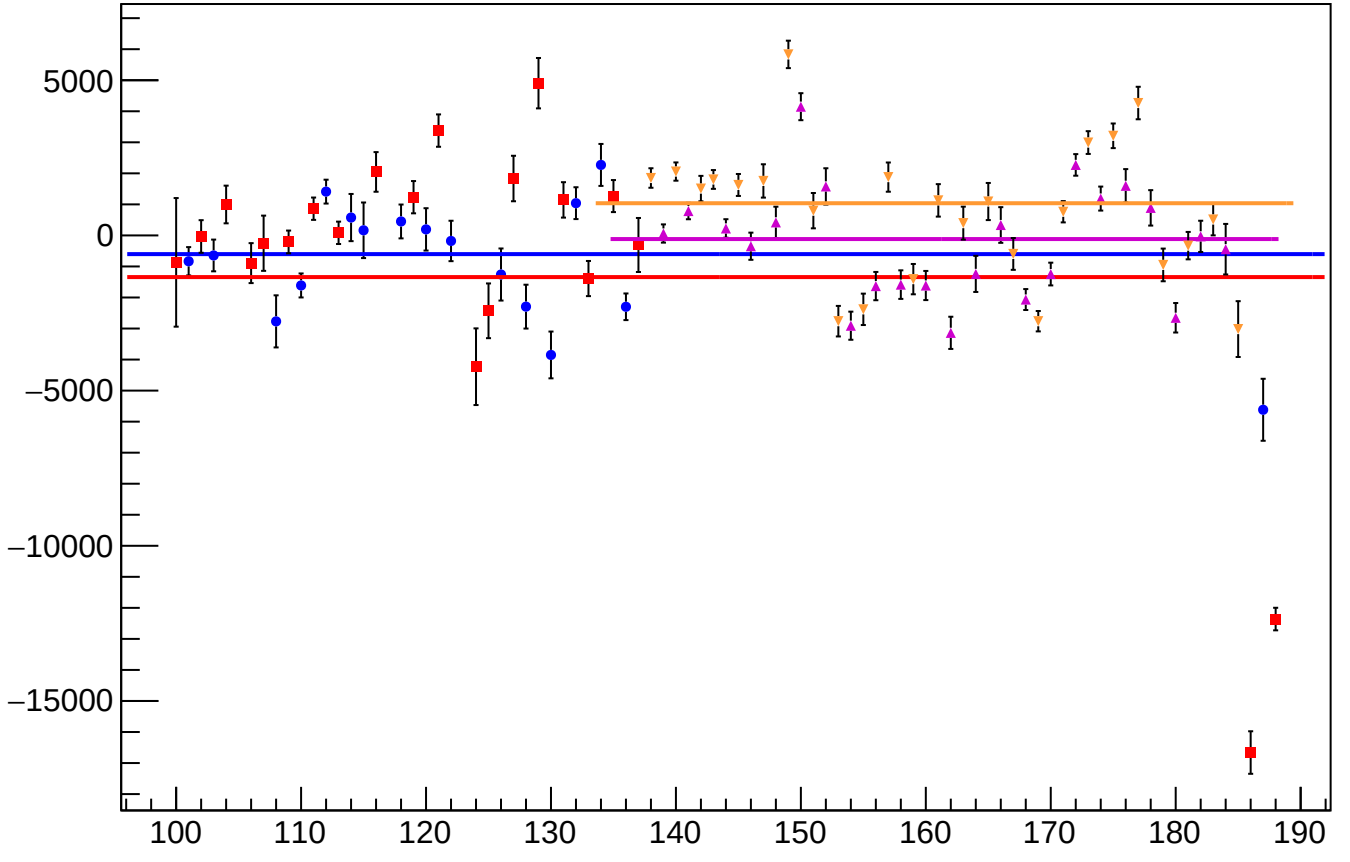
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 292.026+/-0.041 χ^2/NDF: 1372716.2/41

All: 292.238+/-0.029 χ^2/NDF: 2928706.3/85

- sign 292.448+/-0.041 χ^2/NDF: 1555936.5/43

asym_bpm0r05WS_mean vs Slug



Right In: -602.340+/-138.700 χ^2/NDF: 144.0/16

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1342.391+/-120.186 χ^2/NDF: 1770.2/20

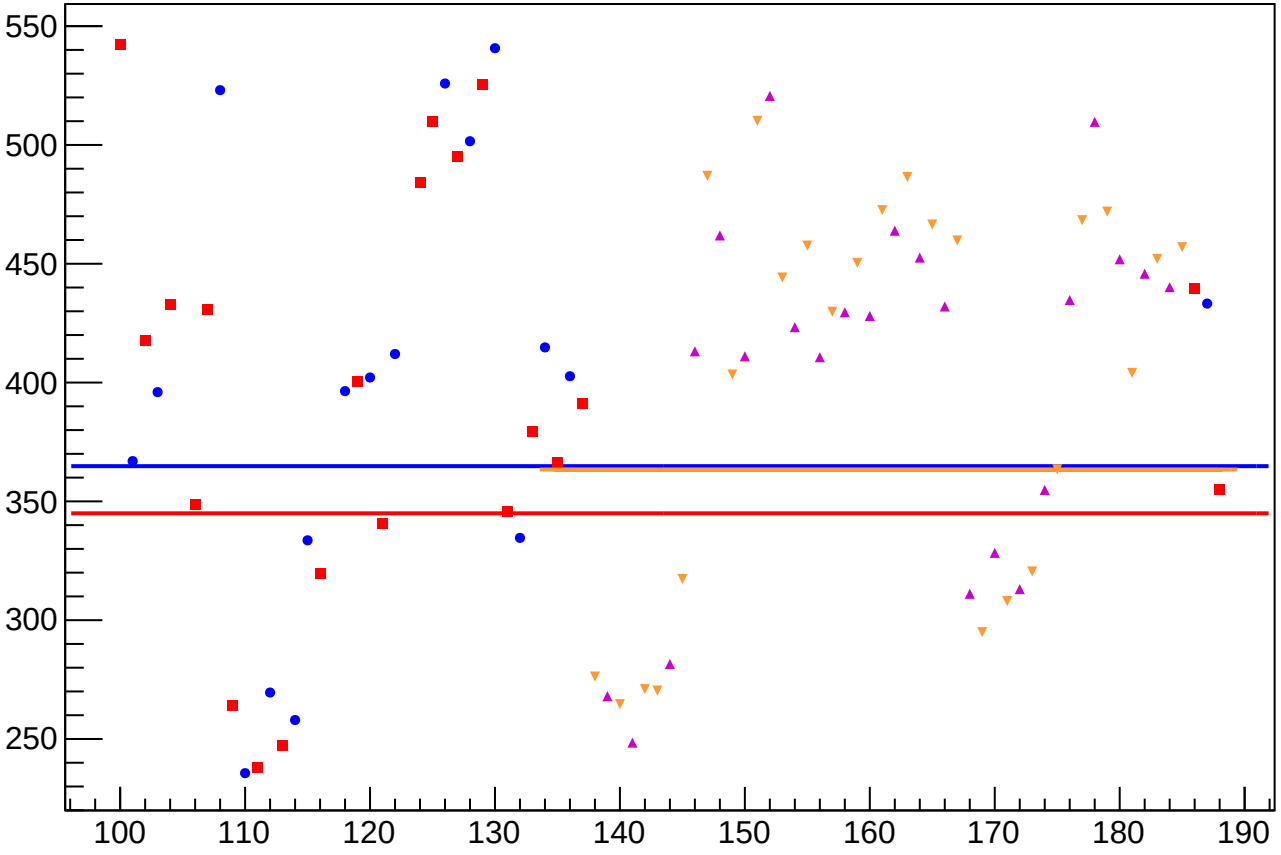
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 588.127+/-72.597 χ^2/NDF: 815.6/41

All: 8.557+/-50.657 χ^2/NDF: 3148.3/85

- sign -541.395+/-70.718 χ^2/NDF: 2208.5/43

asym_bpm0r05WS_rms vs Slug



Right In: 364.817+/-0.098 χ^2/NDF: 790469.7/16

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 344.973+/-0.085 χ^2/NDF: 898313.3/20

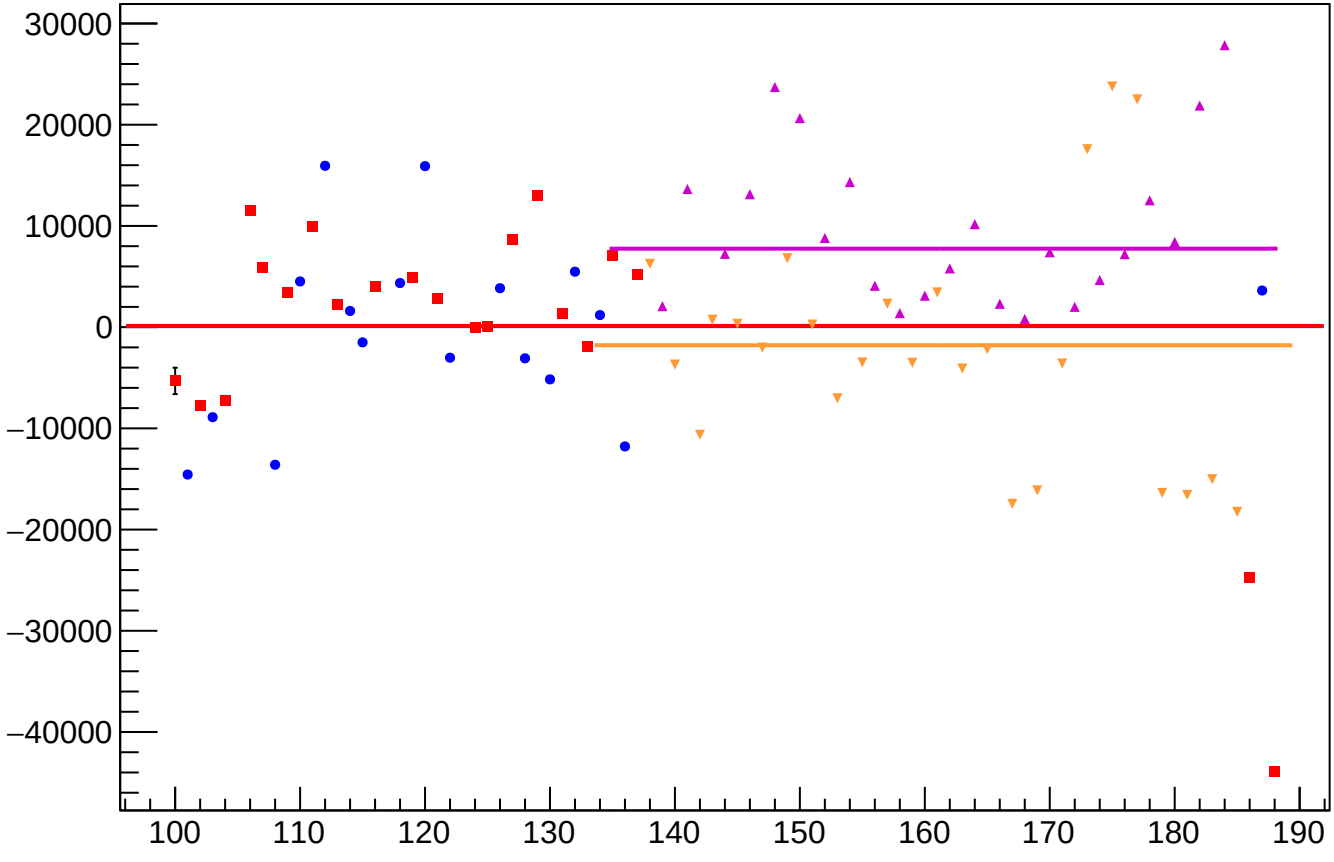
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 363.779+/-0.051 χ^2/NDF: 2731121.5/41

All: 360.306+/-0.036 χ^2/NDF: 5380644.4/85

- sign 357.011+/-0.050 χ^2/NDF: 2640604.7/43

asym_bpm0i02WS_mean vs Slug



Right In: 103.776+/-53.721 χ^2/NDF: 30862.9/16

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 120.233+/-49.253 χ^2/NDF: 83613.3/20

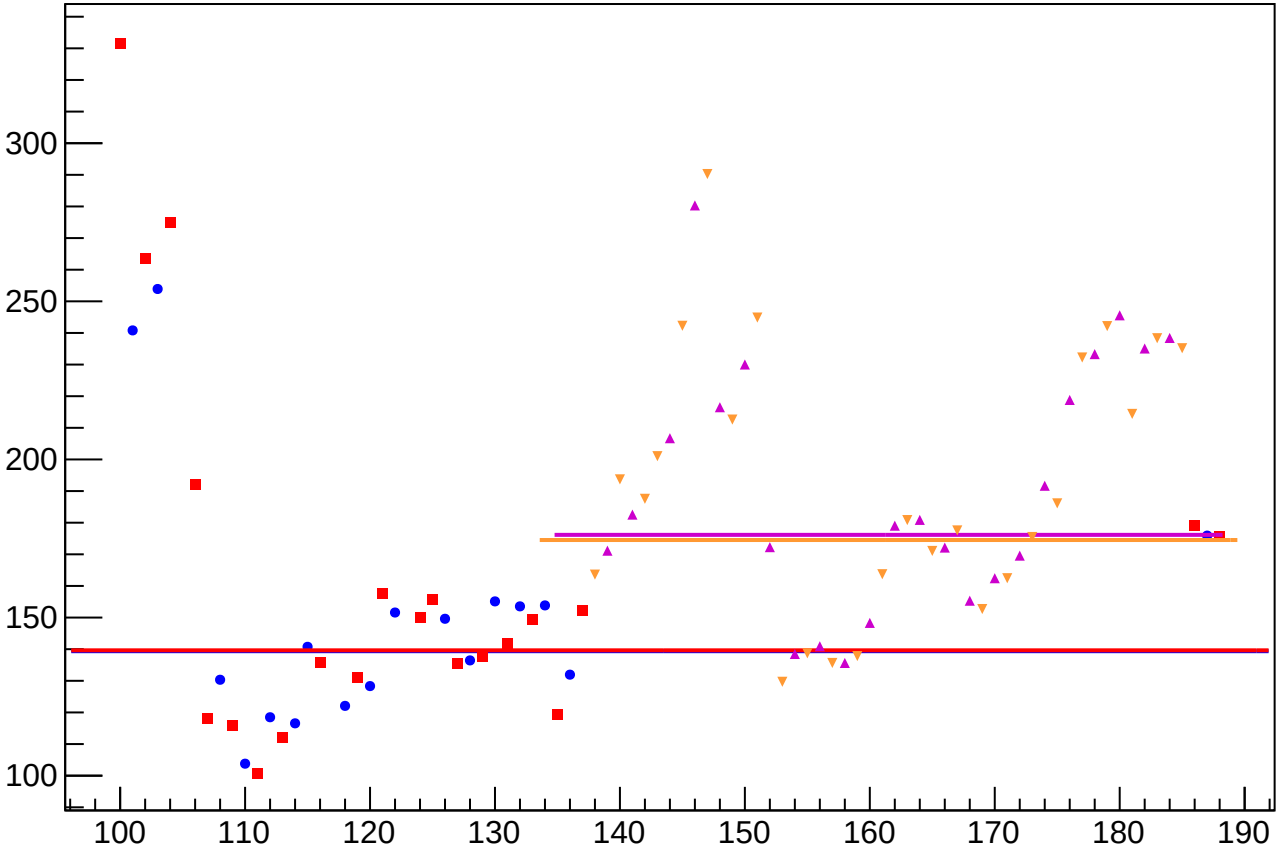
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign -1095.050+/-32.547 χ^2/NDF: 97395.6/41

All: 1726.717+/-22.893 χ^2/NDF: 232915.8/85

- sign 4489.970+/-32.208 χ^2/NDF: 120642.9/43

asym_bpm0i02WS_rms vs Slug



Right In: 139.365+/-0.038 χ^2/NDF: 674344.4/16

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 139.640+/-0.035 χ^2/NDF: 1024339.2/20

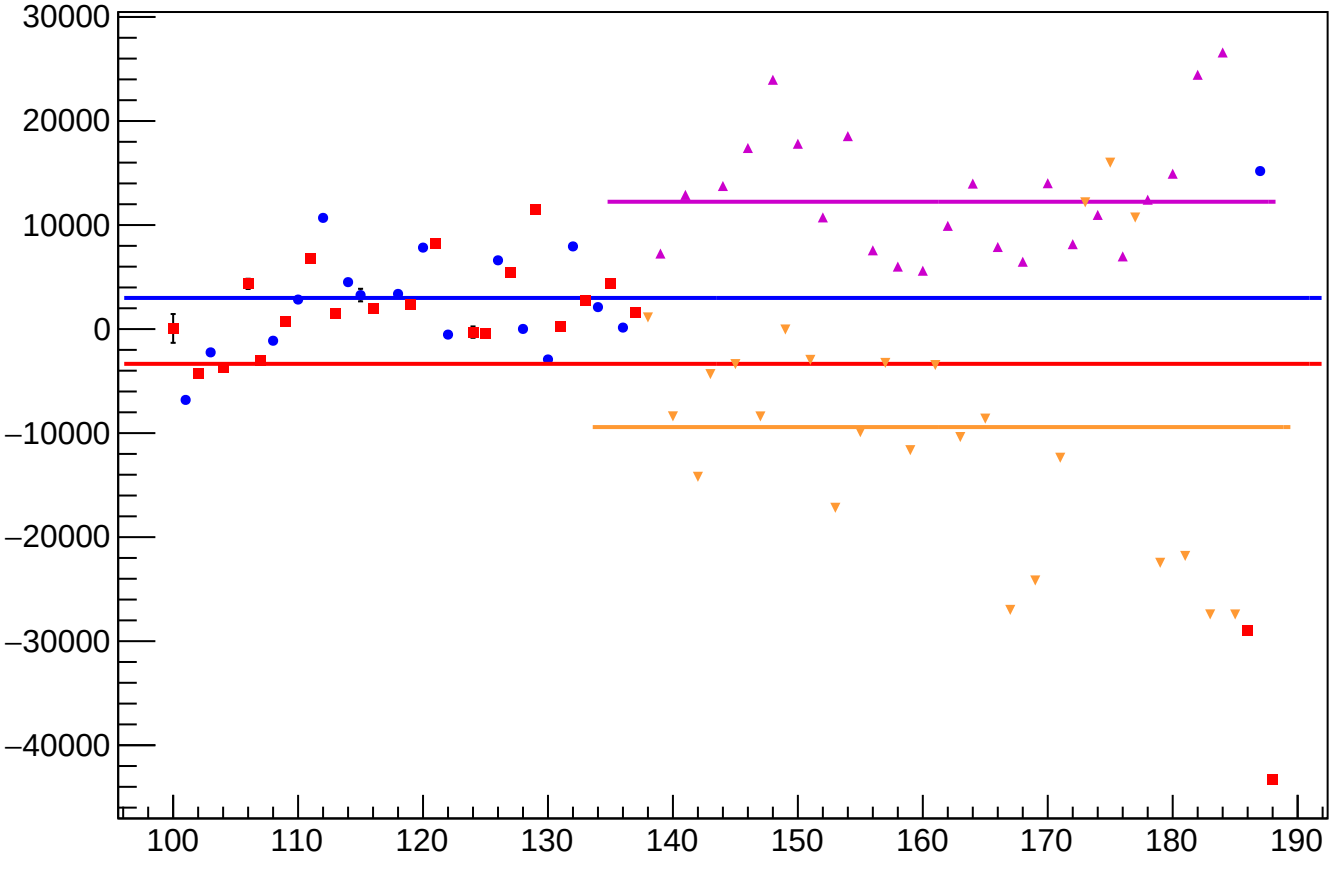
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 161.616+/-0.023 χ^2/NDF: 2875921.4/41

All: 161.073+/-0.016 χ^2/NDF: 5897614.2/85

- sign 160.540+/-0.023 χ^2/NDF: 3020588.5/43

asym_bpm0i02aWS_mean vs Slug



Right In: 2992.782+/-68.485 χ^2/NDF: 4838.9/16

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -3342.430+/-60.130 χ^2/NDF: 68555.9/20

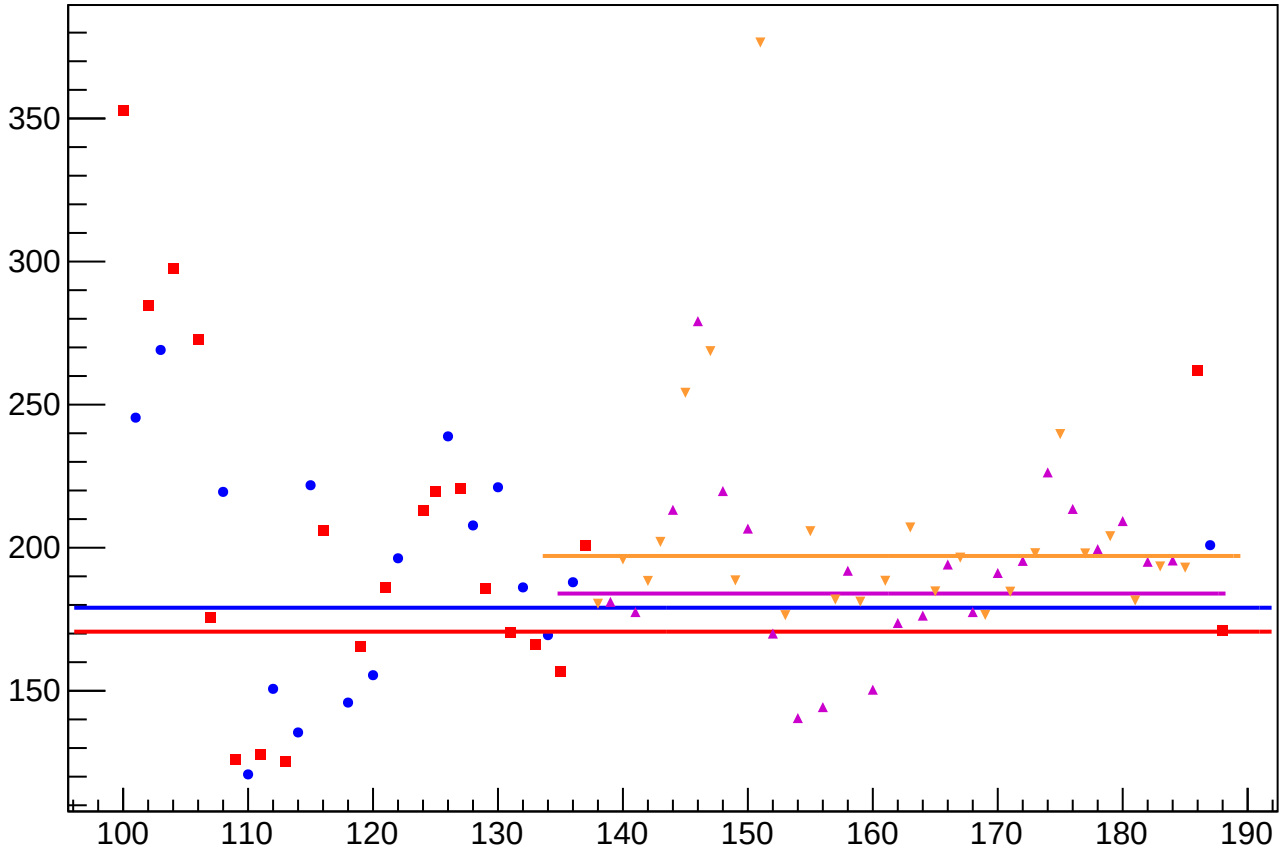
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -5596.027+/-38.012 χ^2/NDF: 92288.9/41

All: 991.933+/-25.988 χ^2/NDF: 276853.2/85

- sign 6773.793+/-35.611 χ^2/NDF: 128166.3/43

asym_bpm0i02aWS_rms vs Slug



Right In: 179.030+/-0.048 χ^2/NDF: 679126.7/16

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 170.667+/-0.043 χ^2/NDF: 1081576.3/20

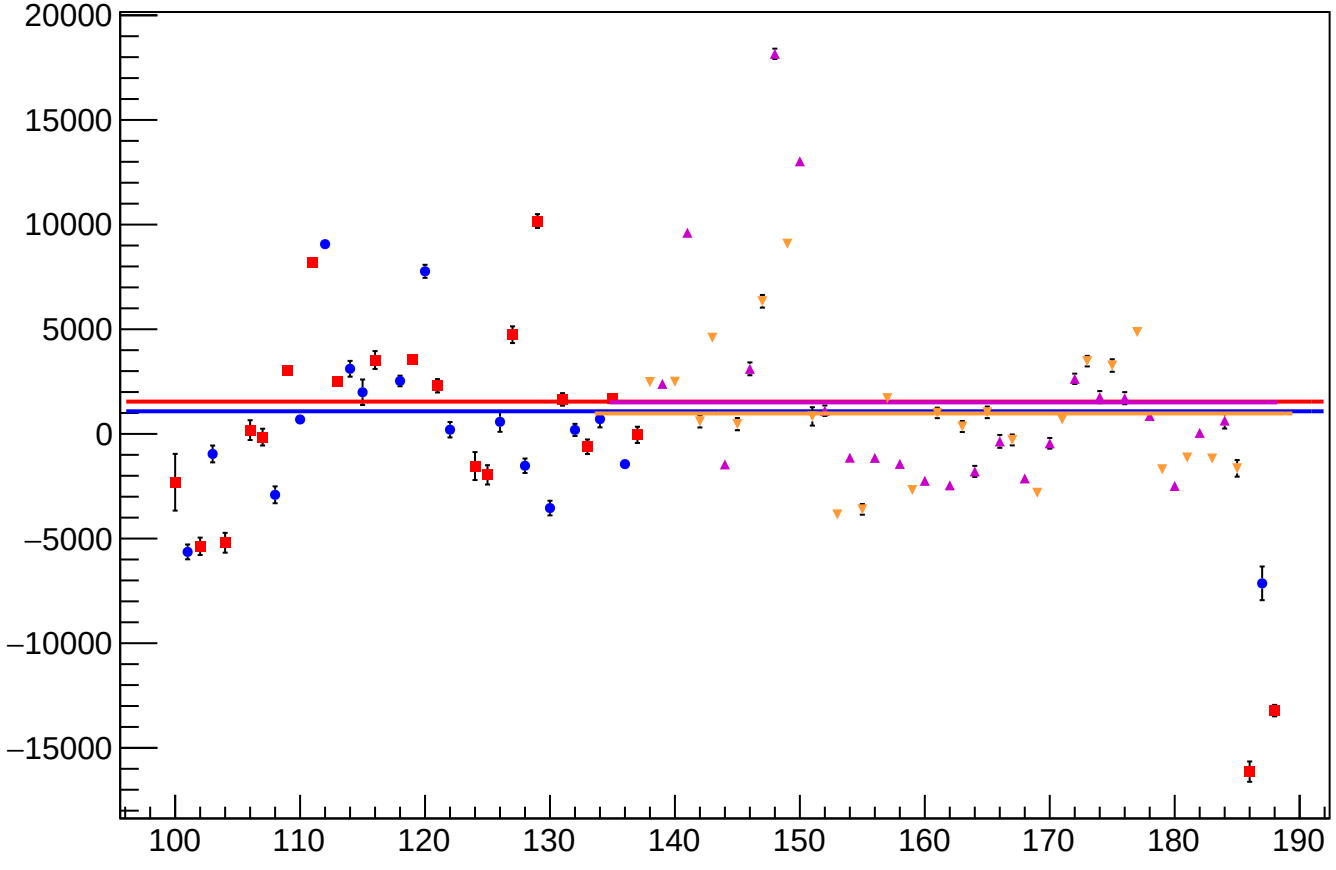
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.549+/-0.027 χ^2/NDF: 1508234.3/41

All: 185.033+/-0.018 χ^2/NDF: 3593636.9/85

- sign 179.314+/-0.025 χ^2/NDF: 1975061.1/43

asym_bpm0i05WS_mean vs Slug



Right In: 1080.634+/-75.621 χ^2/NDF: 2760.5/16

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1543.300+/-66.403 χ^2/NDF: 7041.9/20

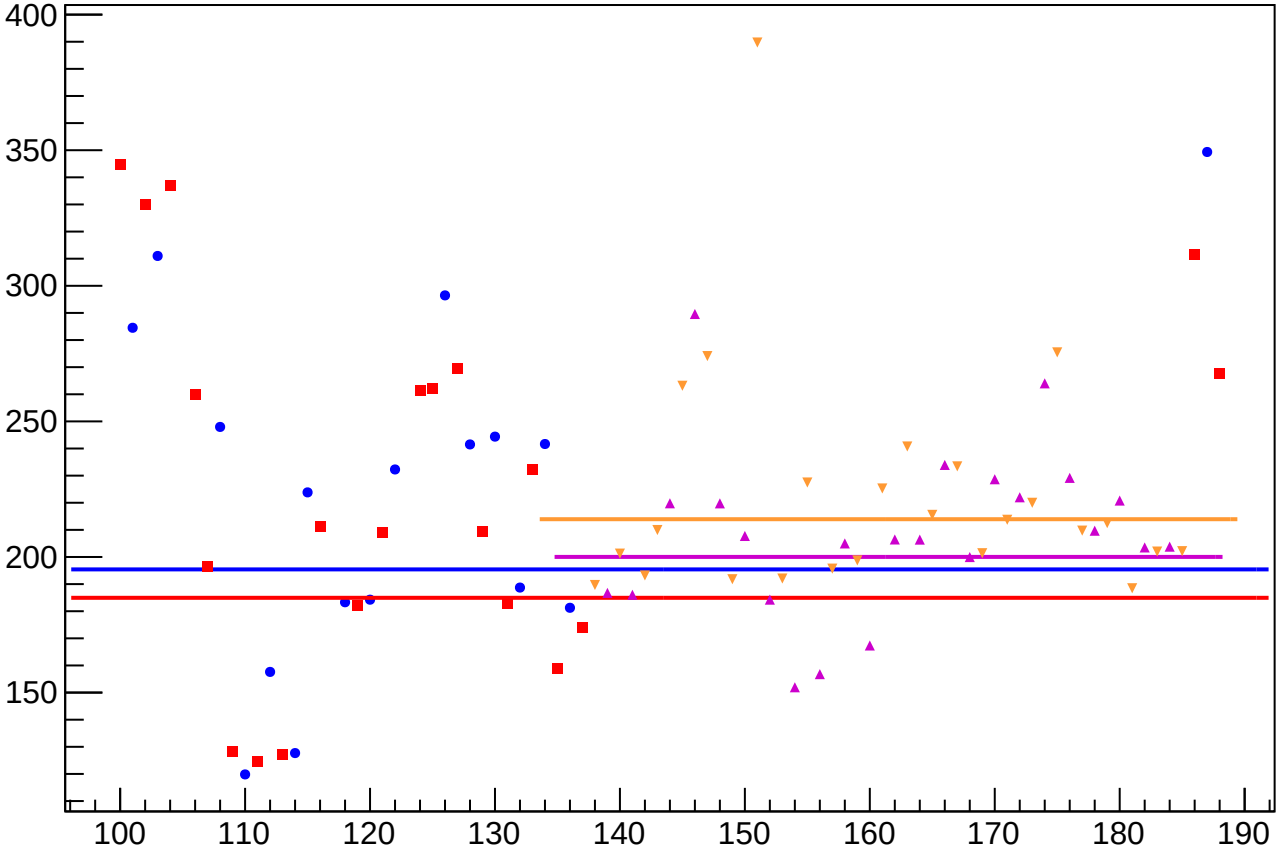
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

\+ sign 1009.178+/-41.479 χ^2/NDF: 7084.8/41

All: 1279.833+/-28.385 χ^2/NDF: 25687.5/85

\- sign 1518.224+/-38.928 χ^2/NDF: 18522.7/43

asym_bpm0i05WS_rms vs Slug



Right In: 195.423+/-0.053 χ^2/NDF: 1039563.9/16

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 184.947+/-0.047 χ^2/NDF: 1702628.2/20

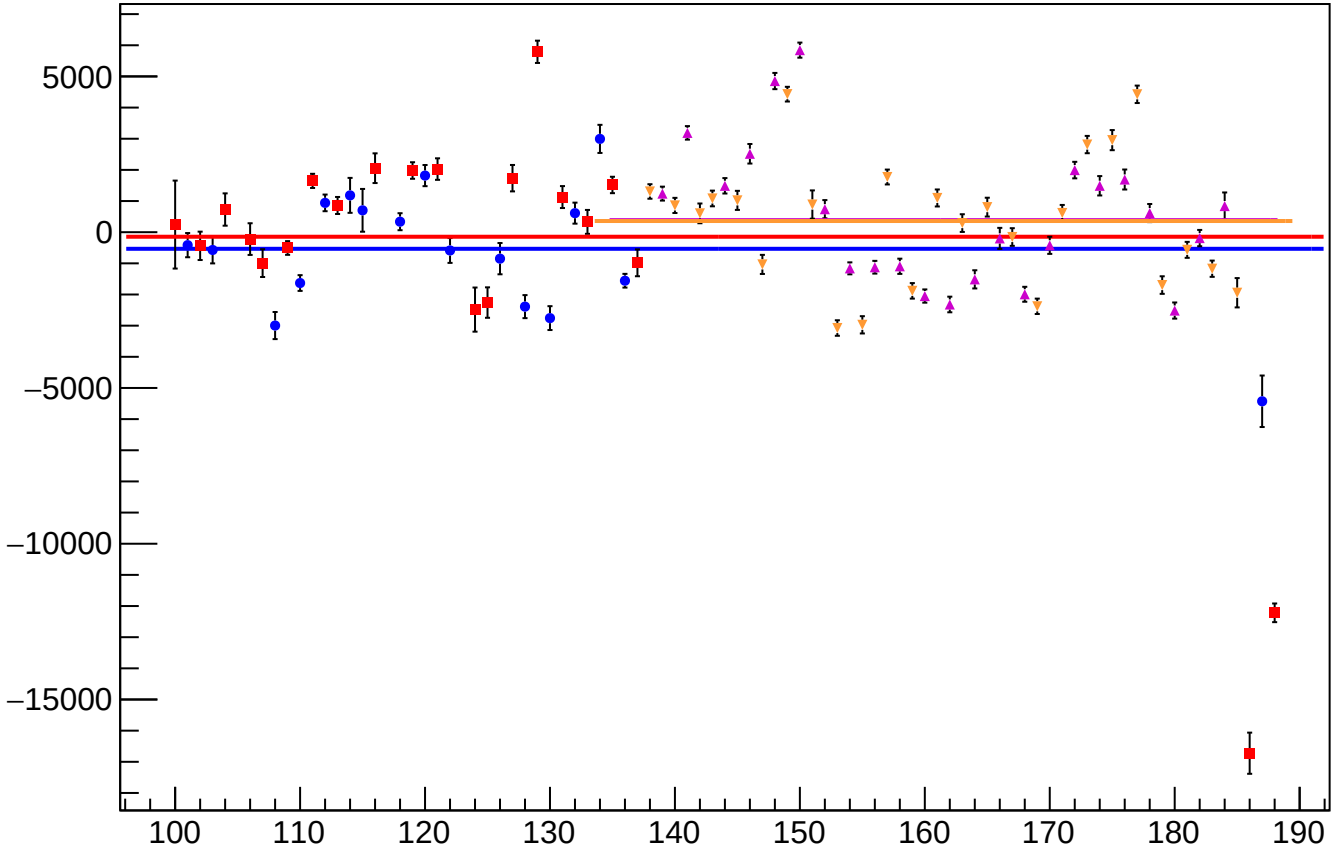
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 208.363+/-0.029 χ^2/NDF: 1856959.0/41

All: 201.177+/-0.020 χ^2/NDF: 4525751.8/85

- sign 194.847+/-0.028 χ^2/NDF: 2555881.1/43

asym_bpm0i07WS_mean vs Slug



Right In: -533.128+/-86.212 χ^2/NDF: 340.9/16

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -145.786+/-77.602 χ^2/NDF: 2846.7/20

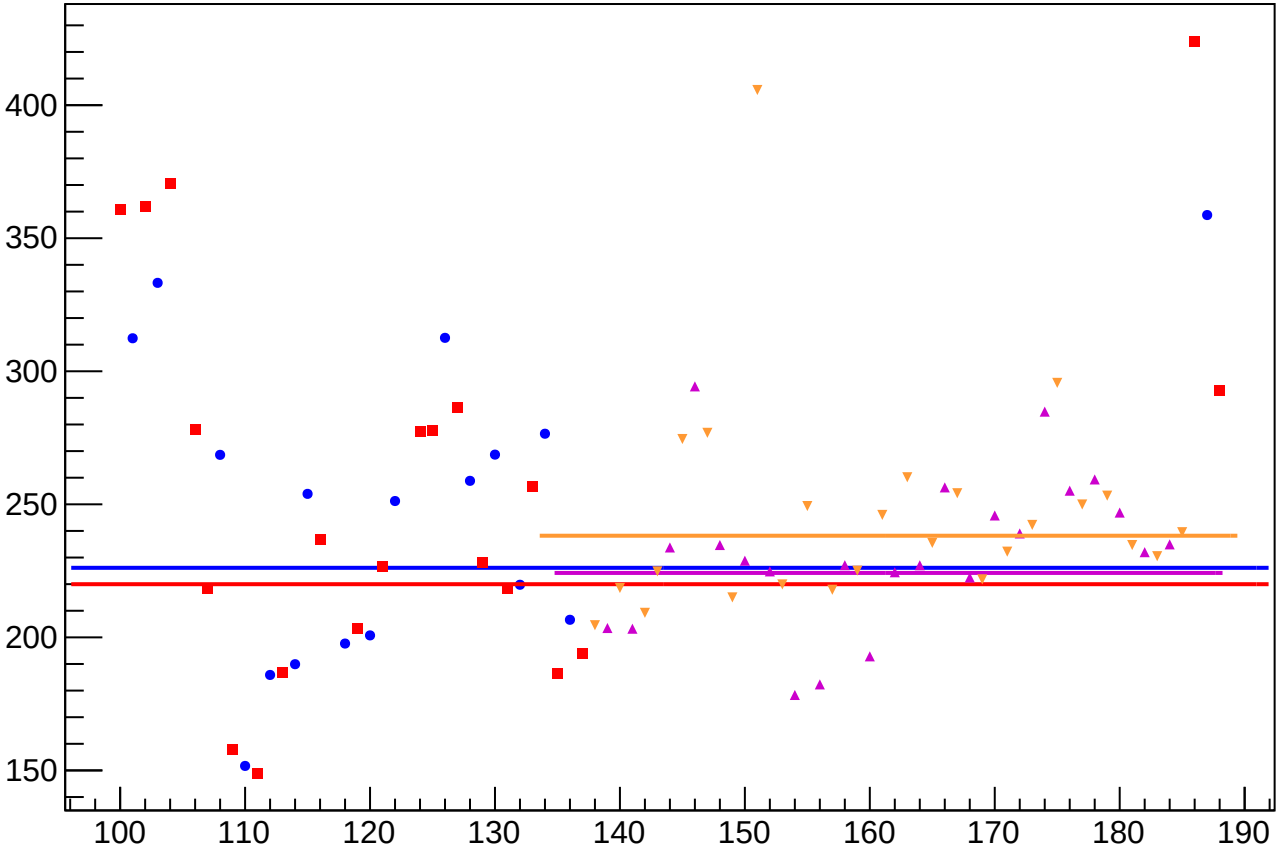
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign 100.768+/-46.363 χ^2/NDF: 1835.8/41

All: 160.888+/-31.939 χ^2/NDF: 6521.8/85

- sign 215.190+/-44.063 χ^2/NDF: 4682.8/43

asym_bpm0i07WS_rms vs Slug



Right In: 226.141+/-0.061 χ^2/NDF: 705203.8/16

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 219.982+/-0.055 χ^2/NDF: 1263315.3/20

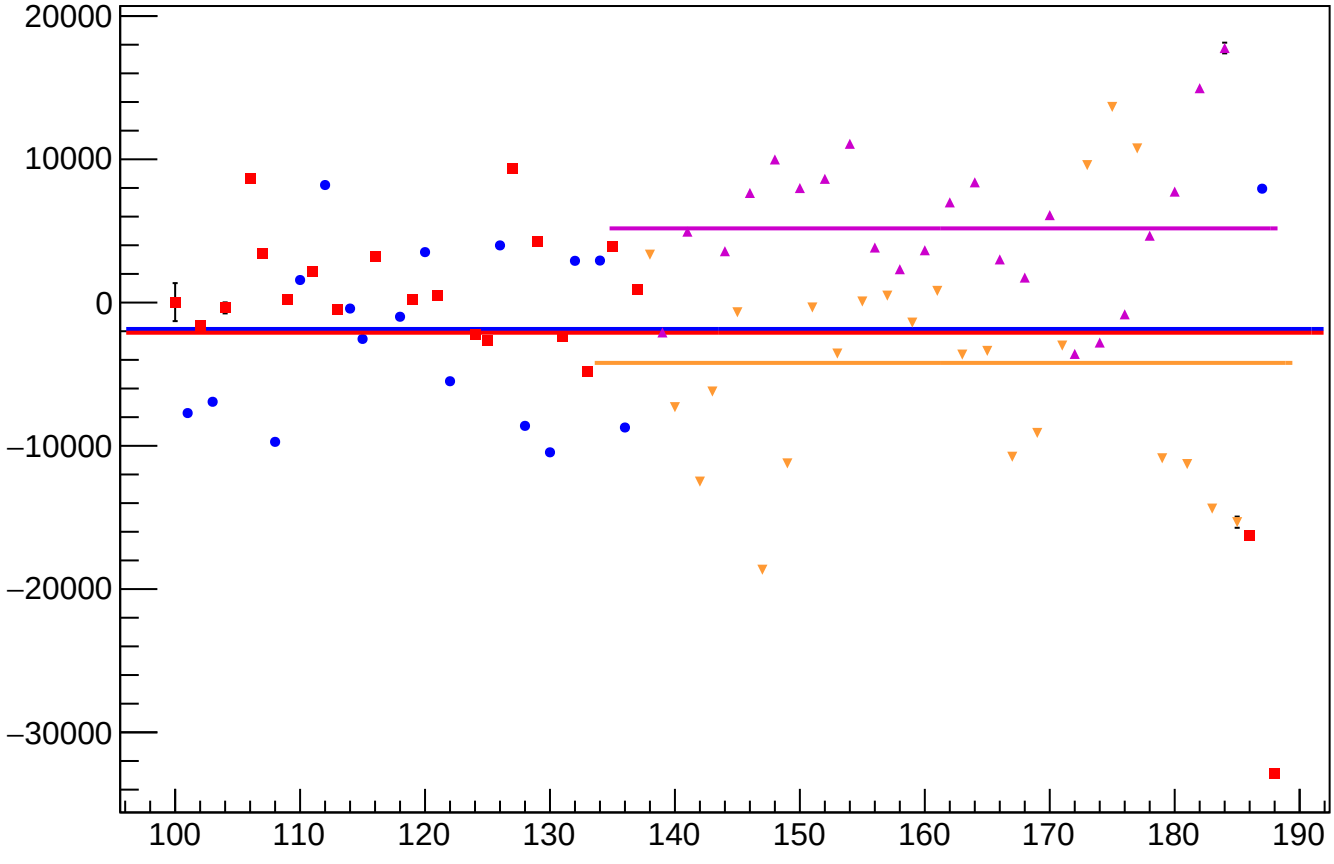
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 234.712+/-0.033 χ^2/NDF: 1300951.1/41

All: 228.478+/-0.023 χ^2/NDF: 3200334.0/85

- sign 222.848+/-0.031 χ^2/NDF: 1830573.7/43

asym_bpm1i02WS_mean vs Slug



Right In: -1843.082+/-46.242 χ^2/NDF: 17644.3/16

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -2105.336+/-41.971 χ^2/NDF: 62550.1/20

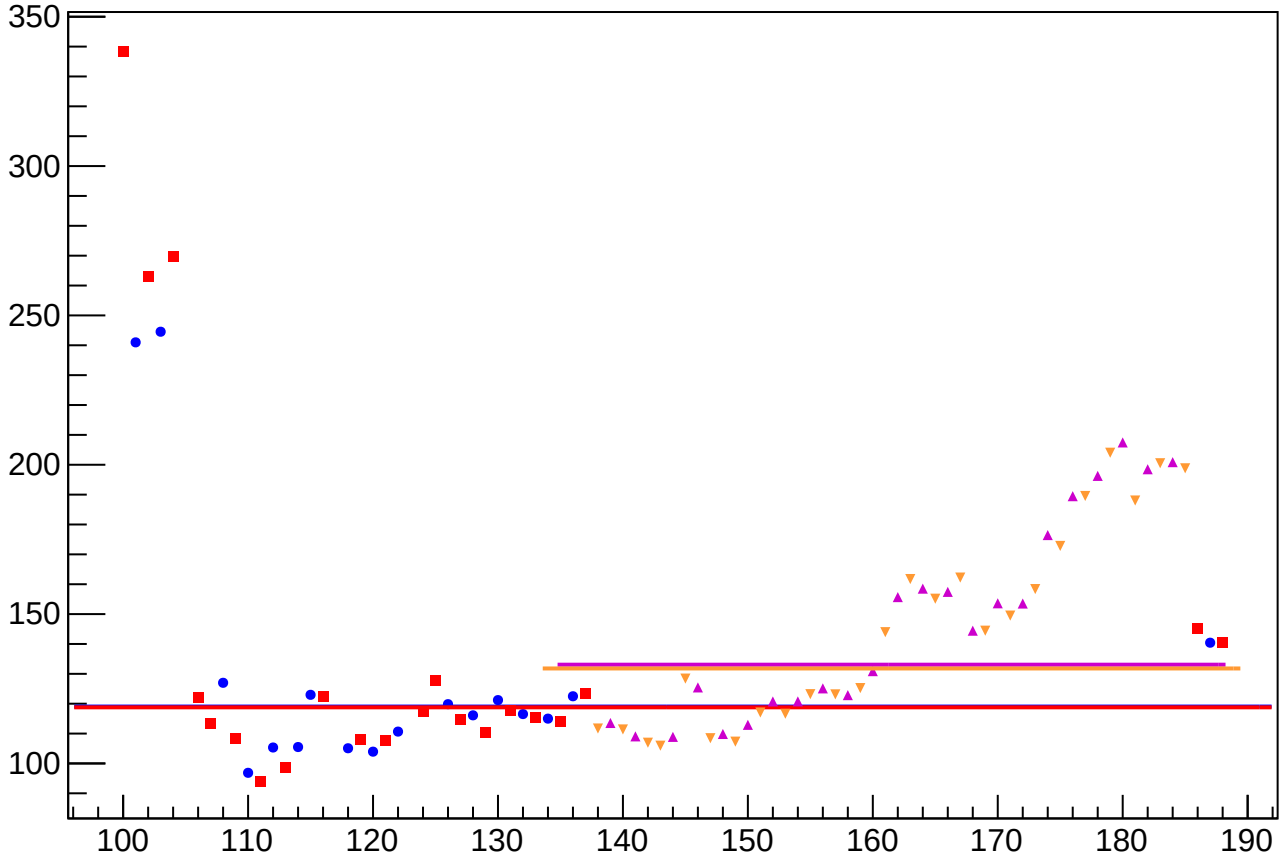
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -3482.130+/-25.651 χ^2/NDF: 76261.6/41

All: -463.452+/-18.060 χ^2/NDF: 203875.0/85

- sign 2503.971+/-25.432 χ^2/NDF: 100149.4/43

asym_bpm1i02WS_rms vs Slug



Right In: 119.042+/-0.033 χ^2/NDF: 743072.6/16

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 118.787+/-0.030 χ^2/NDF: 946626.5/20

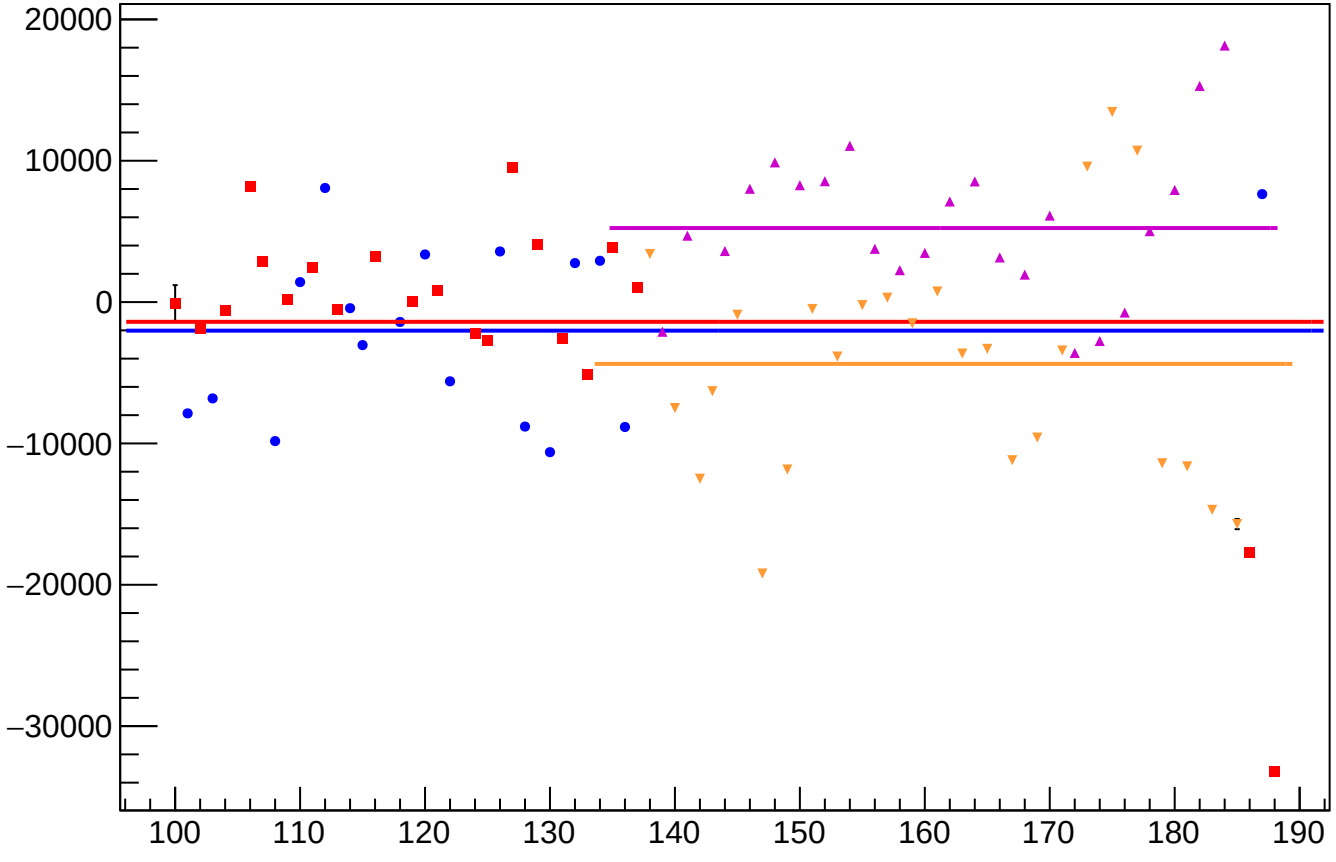
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 127.873+/-0.018 χ^2/NDF: 2392772.7/41

All: 127.846+/-0.013 χ^2/NDF: 4904055.9/85

- sign 127.820+/-0.018 χ^2/NDF: 2511279.0/43

asym_bpm1i04WS_mean vs Slug



Right In: -2020.620+/-39.337 χ^2/NDF: 23781.6/16

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -1395.480+/-36.202 χ^2/NDF: 71098.2/20

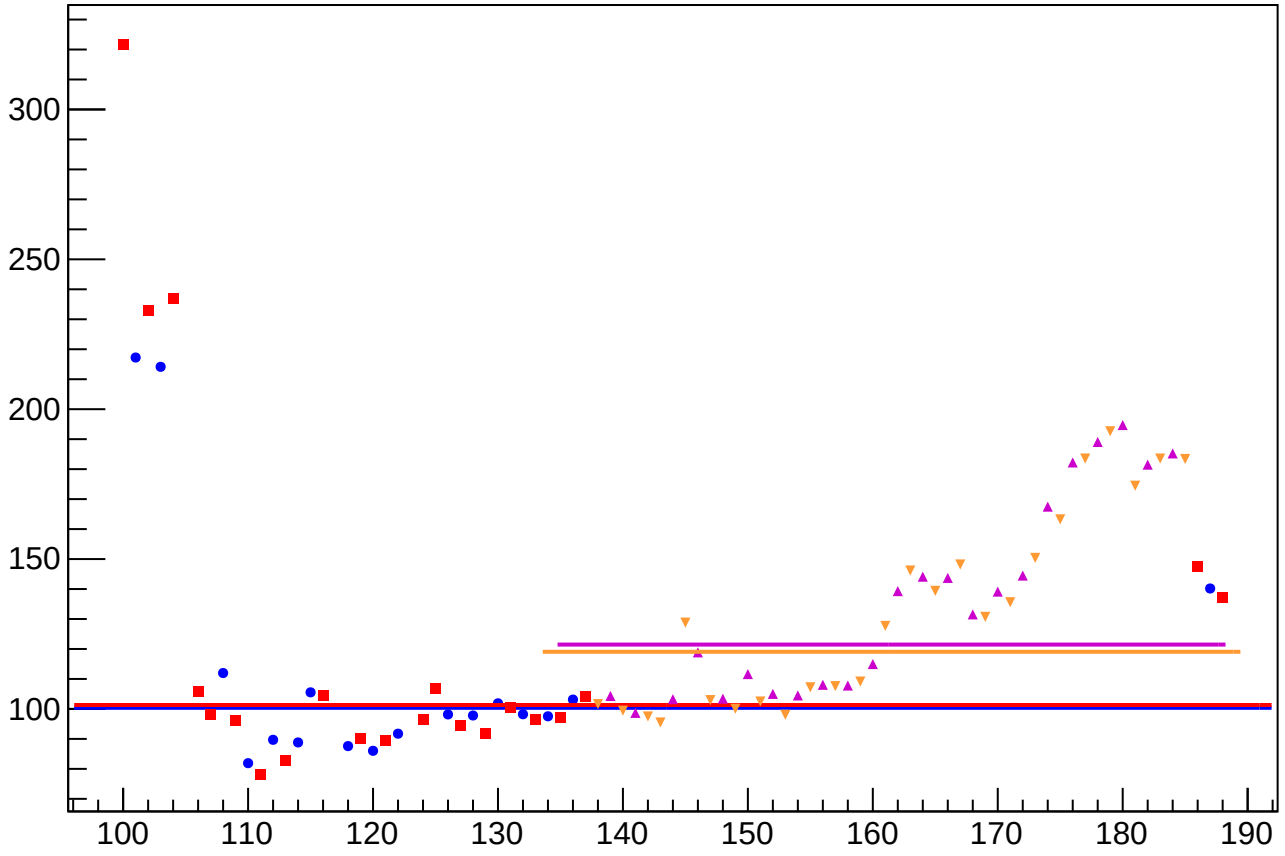
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -3583.459+/-22.787 χ^2/NDF: 93375.6/41

All: -477.569+/-16.101 χ^2/NDF: 244170.0/85

- sign 2618.839+/-22.752 χ^2/NDF: 113695.8/43

asym_bpm1i04WS_rms vs Slug



Right In: 100.373+/-0.028 χ^2/NDF: 839955.6/16

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

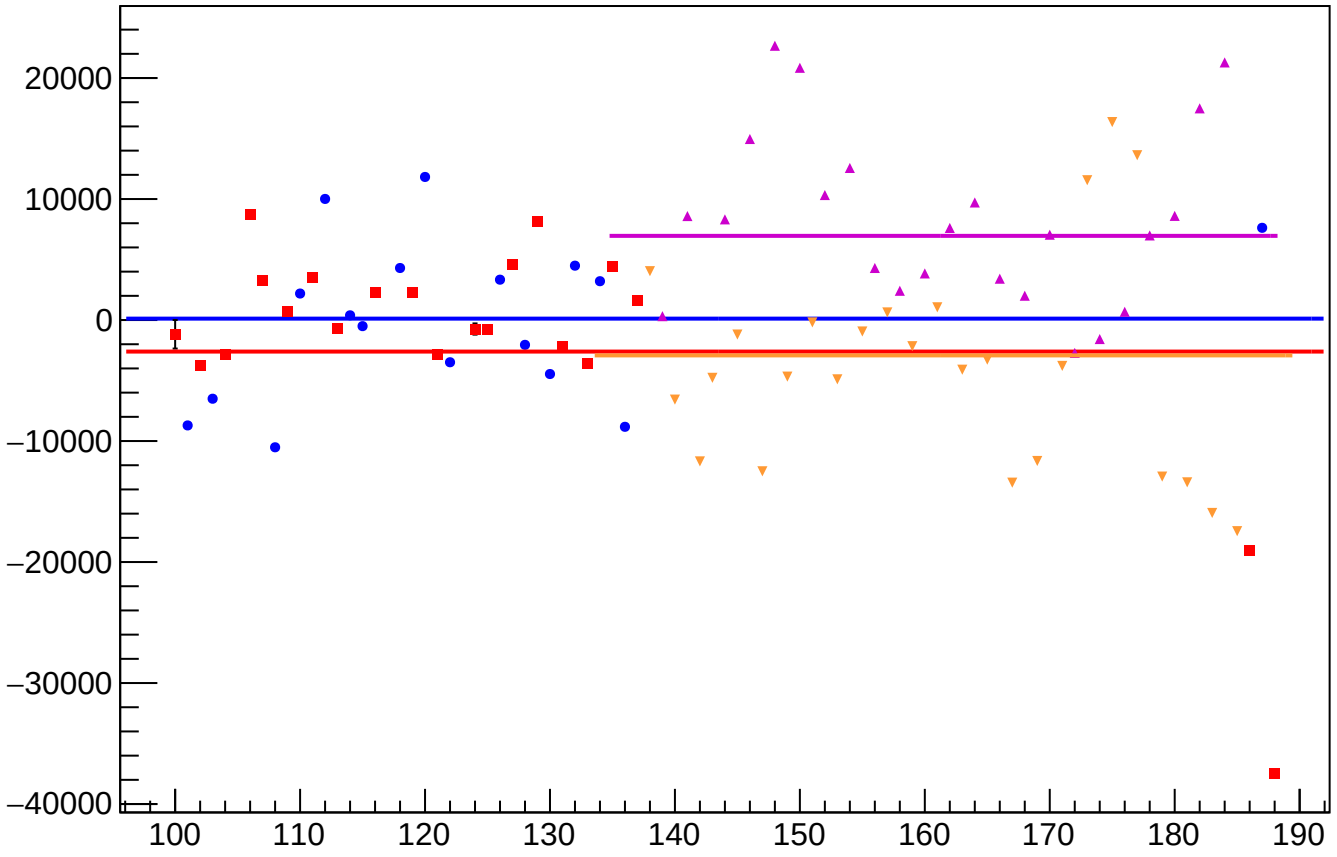
Right Out: 101.312+/-0.026 χ^2/NDF: 1158315.1/20

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 112.792+/-0.016 χ^2/NDF: 2895399.3/41

All: 113.150+/-0.011 χ^2/NDF: 5959171.7/85

- sign 113.506+/-0.016 χ^2/NDF: 3062789.1/43



Right In: 116.155+/-52.936 χ^2/NDF: 17206.8/16

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -2606.231+/-48.728 χ^2/NDF: 58516.6/20

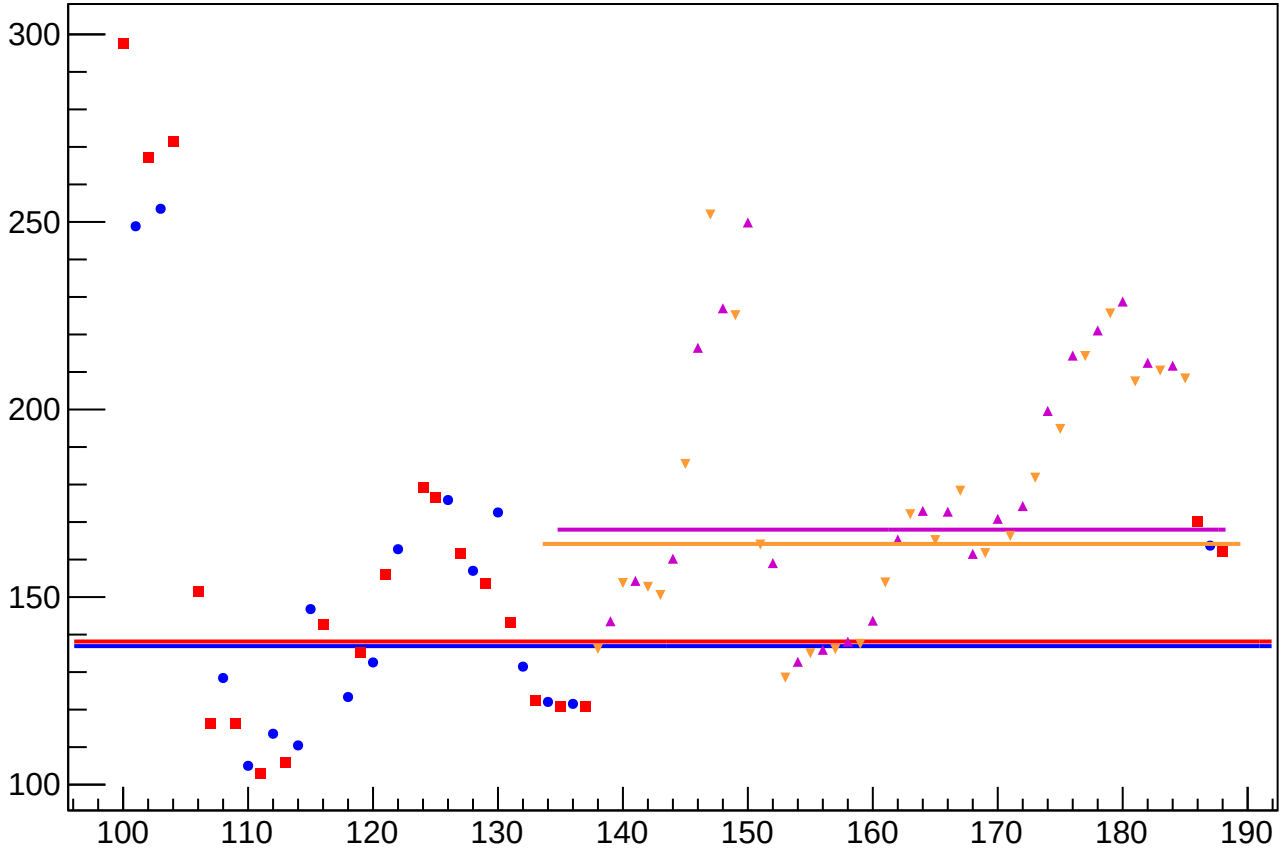
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign -1882.894+/-30.969 χ^2/NDF: 57427.3/41

All: 593.087+/-21.920 χ^2/NDF: 173989.8/85

- sign 3078.893+/-31.030 χ^2/NDF: 103752.8/43

asym_bpm1i06WS_rms vs Slug



Right In: 136.922+/-0.037 χ^2/NDF: 807149.4/16

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 138.160+/-0.034 χ^2/NDF: 999247.0/20

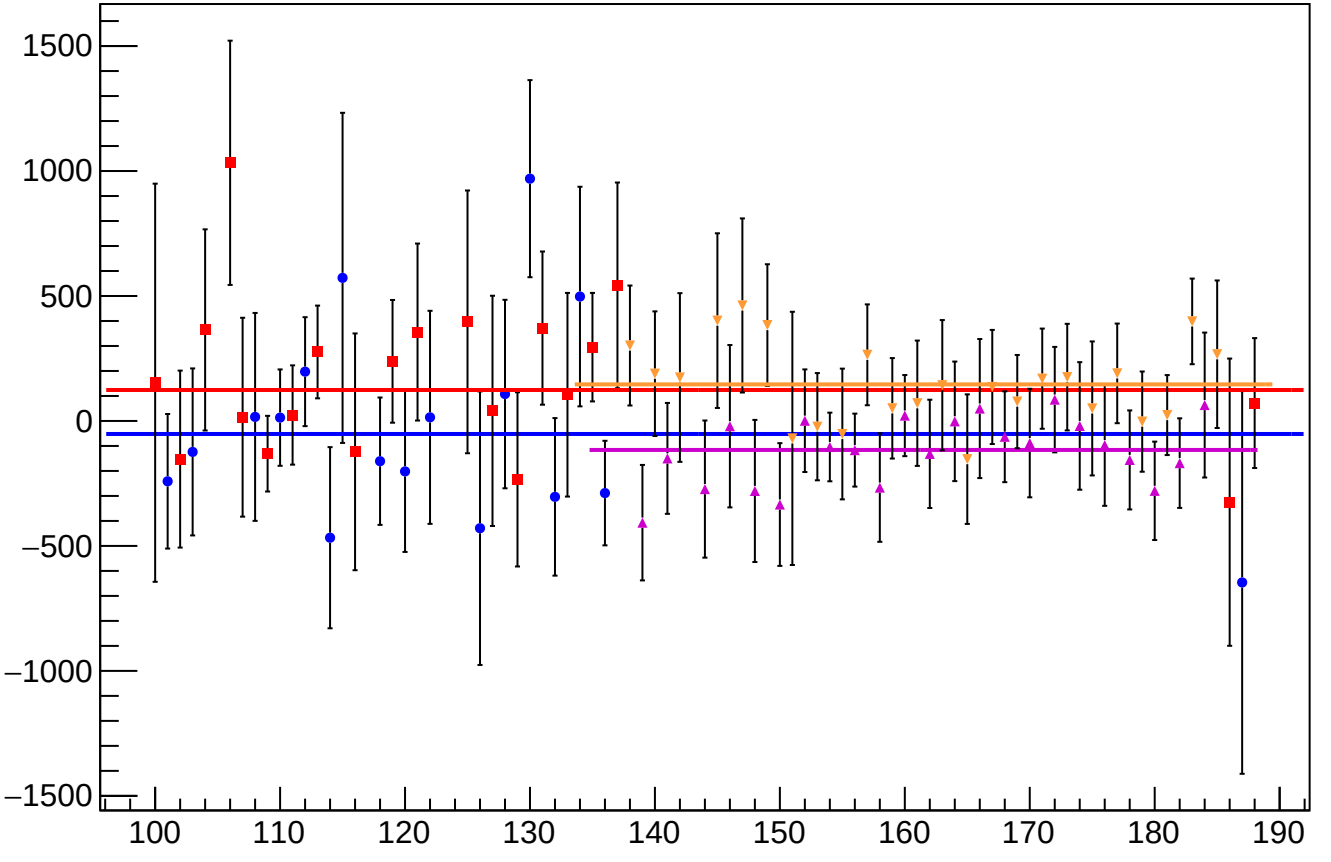
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

\+ sign 154.846+/-0.022 χ^2/NDF: 2380164.5/41

All: 155.364+/-0.015 χ^2/NDF: 5048404.8/85

\- sign 155.885+/-0.022 χ^2/NDF: 2667117.3/43

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -52.096+/-75.907 χ^2/NDF: 16.1/16

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 123.920+/-65.726 χ^2/NDF: 13.5/19

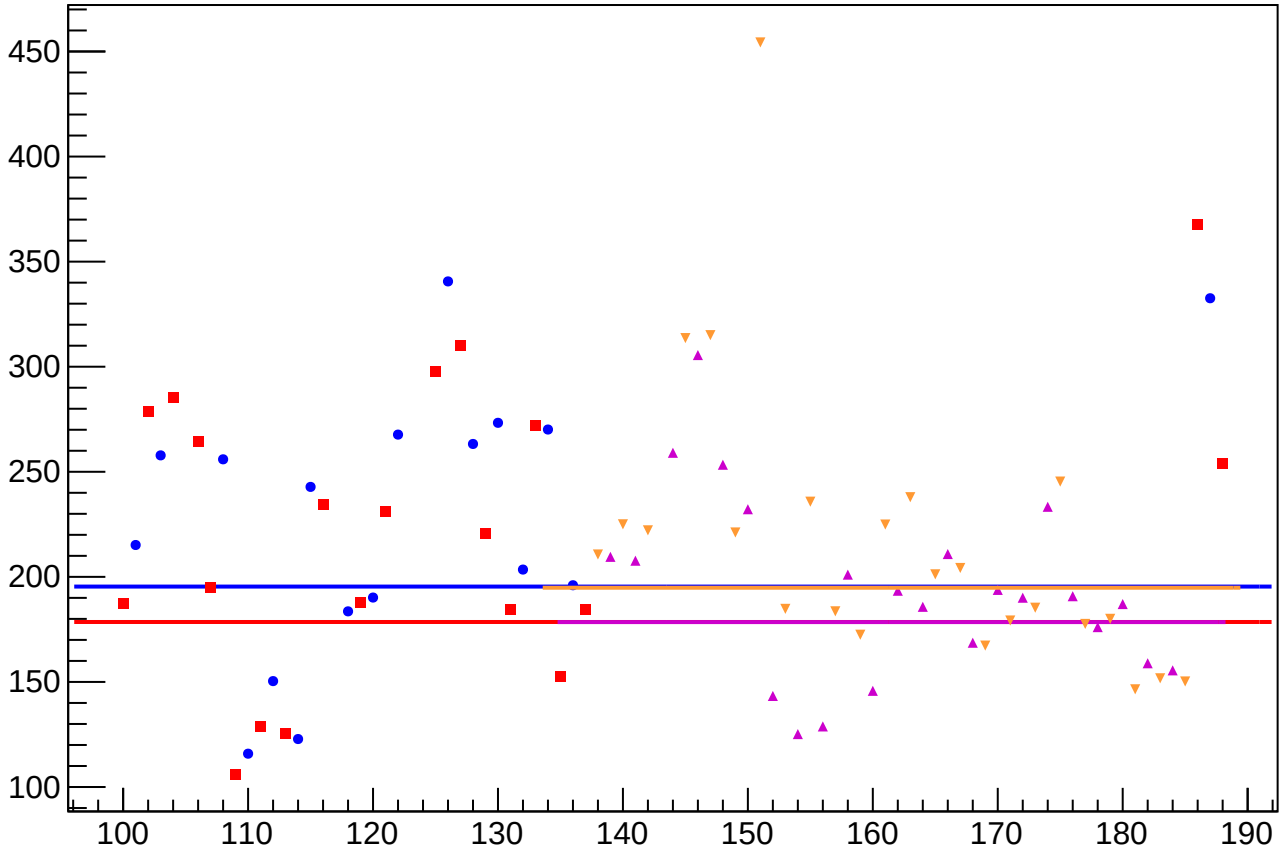
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 91.476+/-39.916 χ^2/NDF: 31.0/40

All: 18.124+/-26.870 χ^2/NDF: 67.5/83

- sign -42.656+/-36.335 χ^2/NDF: 30.4/42

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 195.379+/-0.054 χ^2/NDF: 1108462.0/16

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 178.526+/-0.046 χ^2/NDF: 2004900.4/19

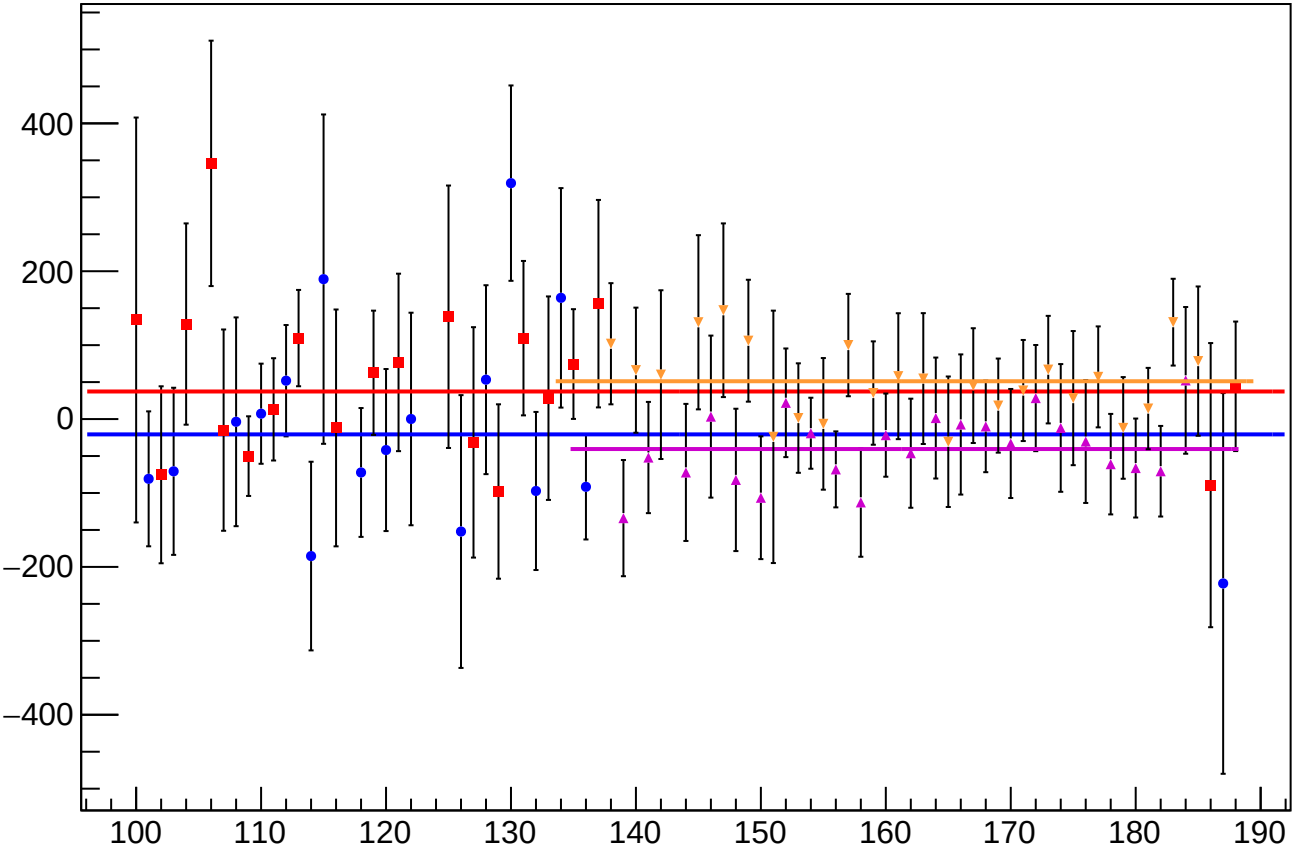
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 194.981+/-0.028 χ^2/NDF: 2861013.3/40

All: 185.963+/-0.019 χ^2/NDF: 6728837.5/83

- sign 178.491+/-0.026 χ^2/NDF: 3681167.6/42

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -20.720+/-25.989 χ^2/NDF: 15.8/16

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 37.308+/-22.675 χ^2/NDF: 13.1/19

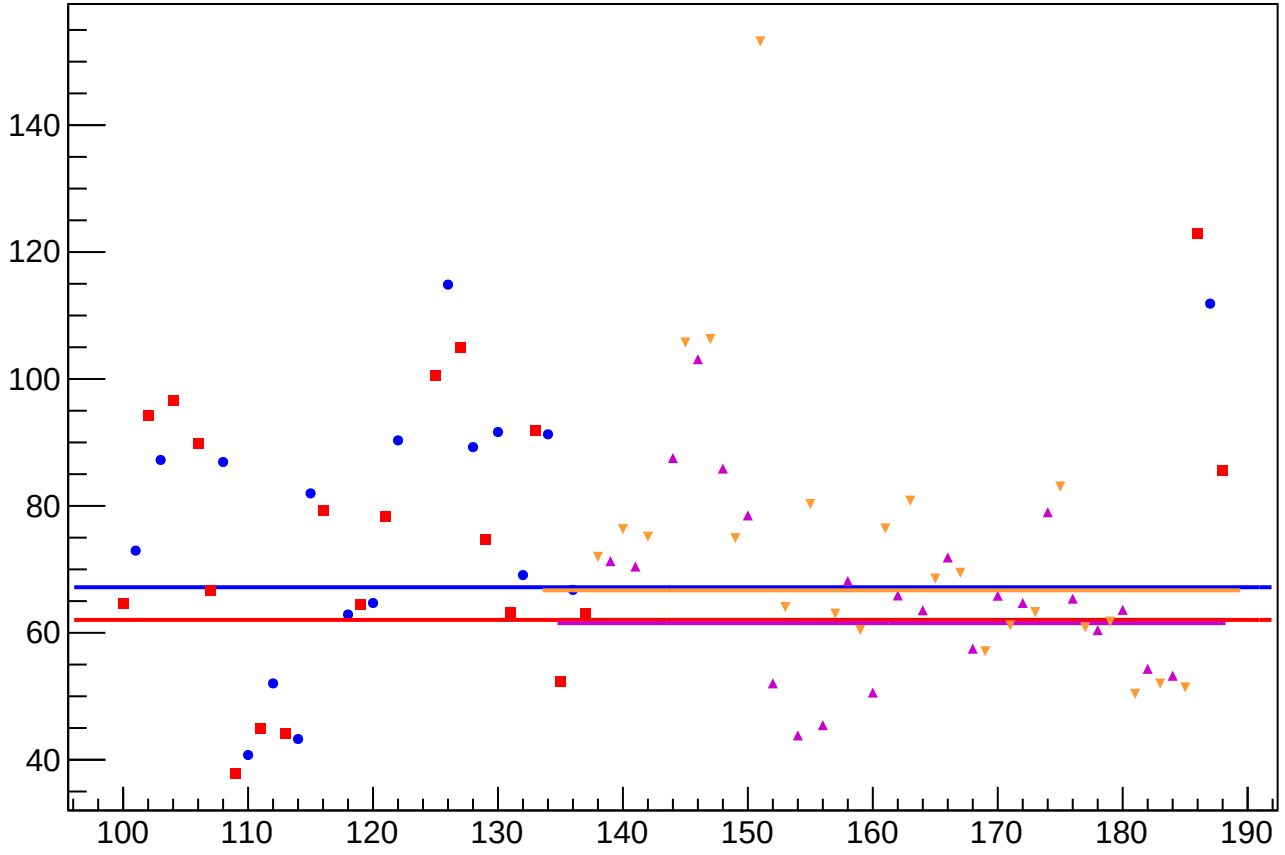
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 31.339+/-13.648 χ^2/NDF: 29.5/40

All: 5.106+/-9.217 χ^2/NDF: 65.4/83

- sign -16.891+/-12.497 χ^2/NDF: 29.1/42

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 67.184+/-0.018 χ^2/NDF: 1007887.5/16

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 62.039+/-0.016 χ^2/NDF: 1815318.0/19

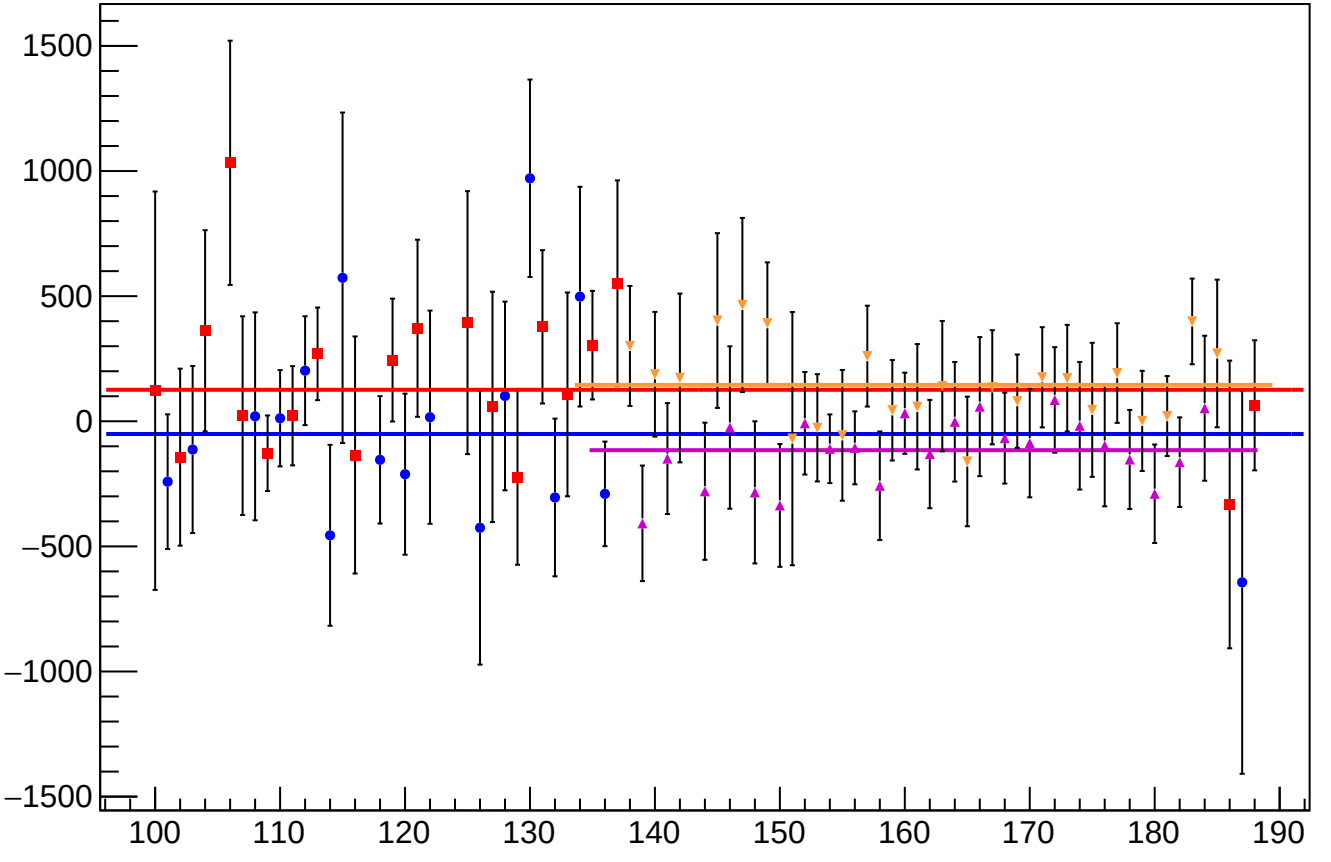
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 66.836+/-0.010 χ^2/NDF: 2684713.8/40

All: 64.033+/-0.007 χ^2/NDF: 6145604.5/83

- sign 61.684+/-0.009 χ^2/NDF: 3305870.1/42

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -50.793+/-75.823 χ^2/NDF: 16.1/16

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 125.819+/-65.645 χ^2/NDF: 13.6/19

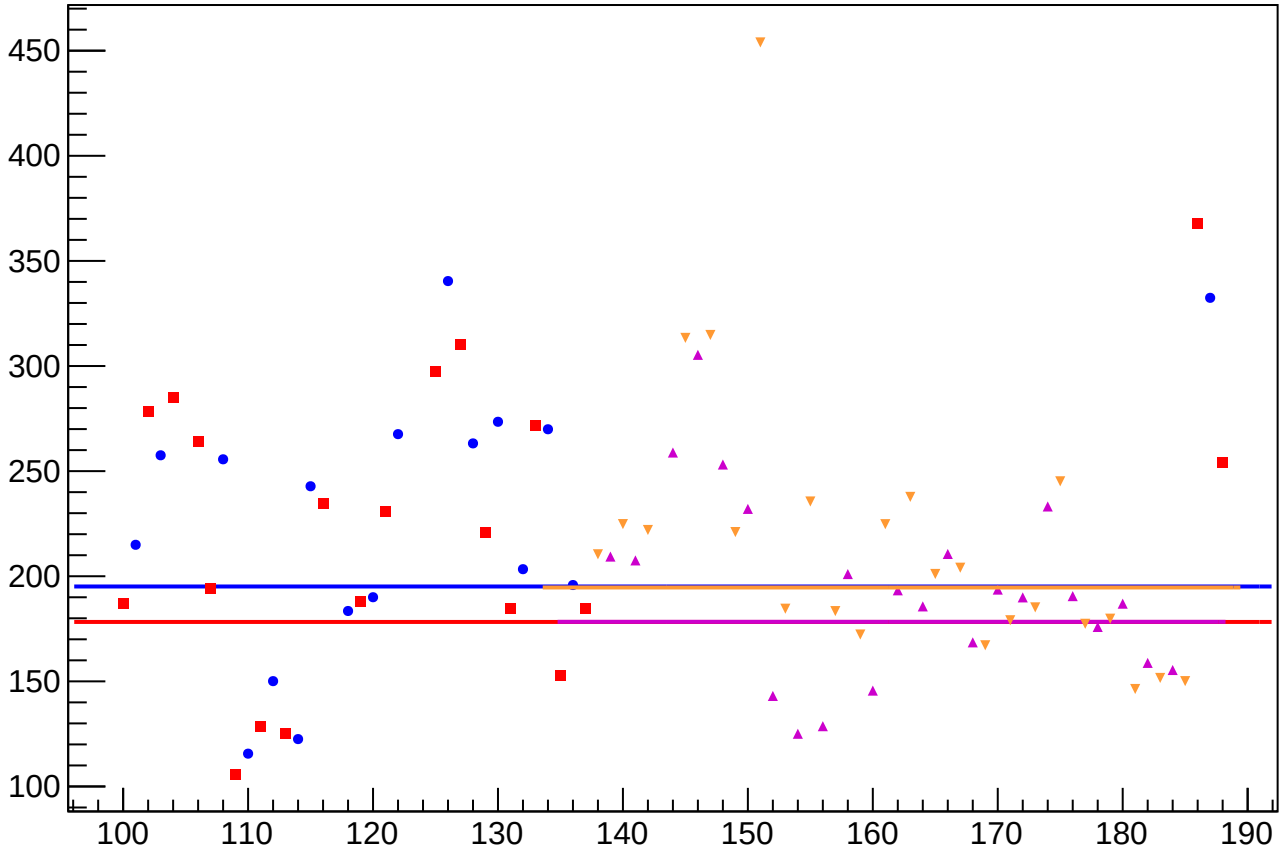
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 91.182+/-39.880 χ^2/NDF: 31.2/40

All: 18.513+/-26.845 χ^2/NDF: 67.9/83

- sign -41.699+/-36.301 χ^2/NDF: 30.7/42

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 195.129+/-0.054 χ^2/NDF: 1113124.9/16

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 178.261+/-0.046 χ^2/NDF: 2012290.0/19

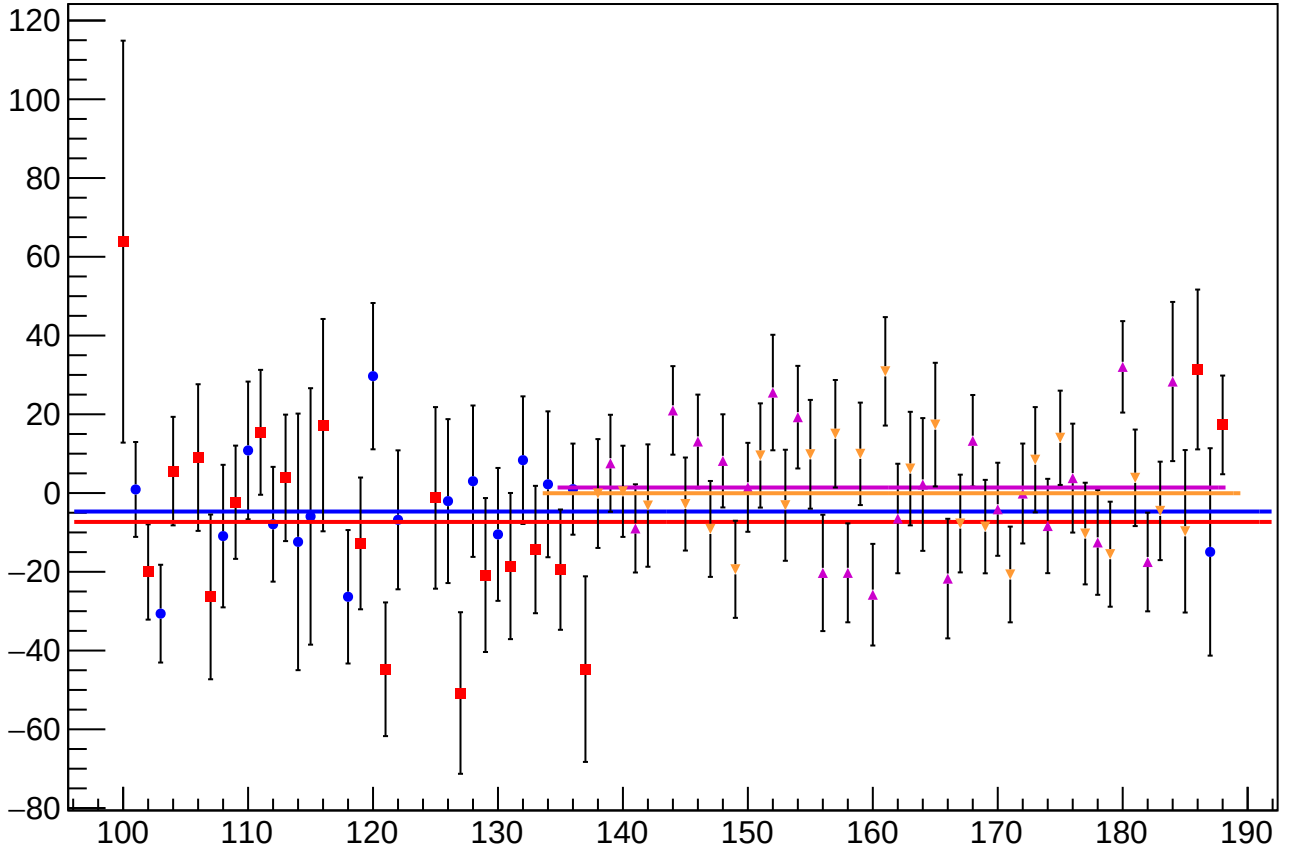
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 194.789+/-0.028 χ^2/NDF: 2866300.4/40

All: 185.772+/-0.019 χ^2/NDF: 6743901.8/83

- sign 178.301+/-0.026 χ^2/NDF: 3690627.4/42

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.692+/-4.081 χ^2/NDF: 12.1/16

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -7.334+/-3.856 χ^2/NDF: 30.2/19

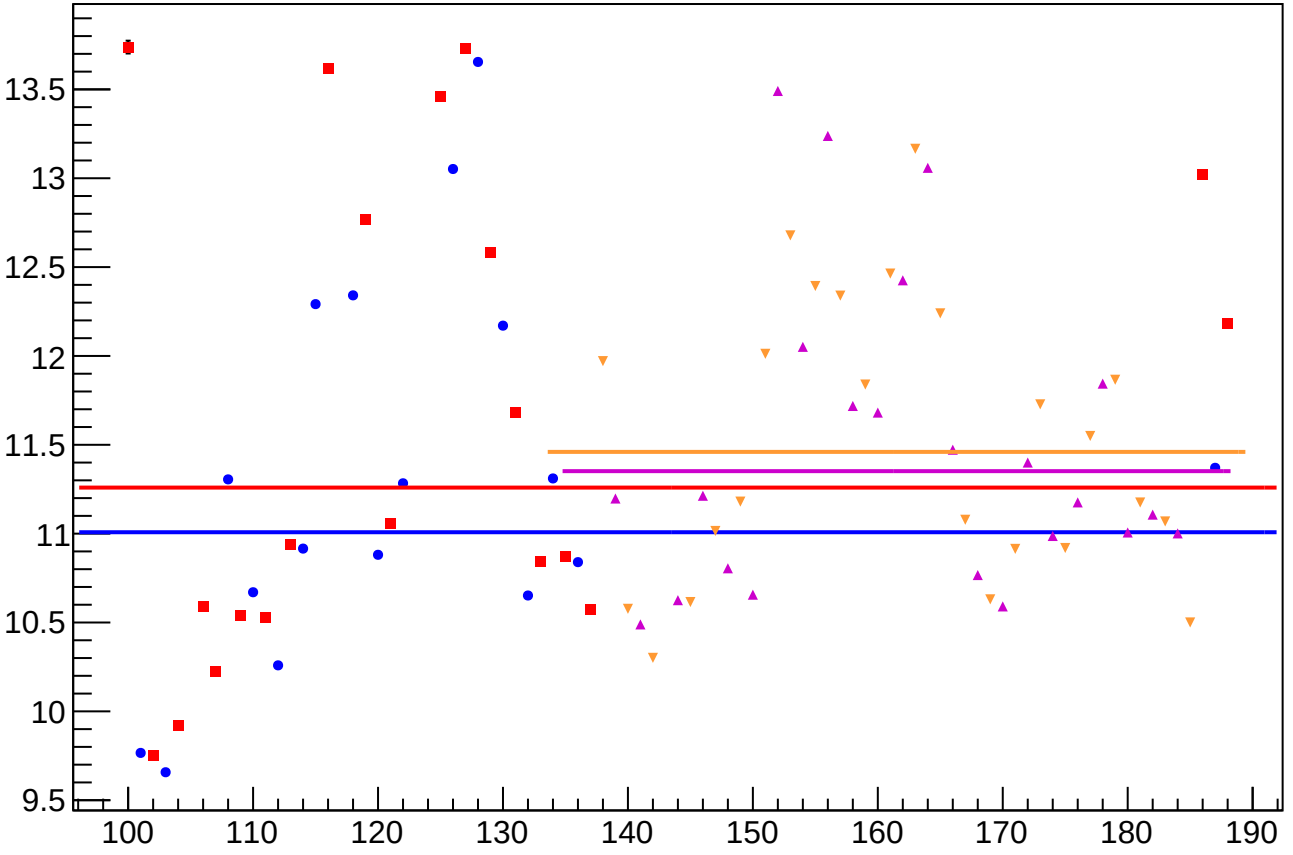
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.450+/-2.243 χ^2/NDF: 33.5/40

All: -1.440+/-1.570 χ^2/NDF: 103.5/83

- sign -1.431+/-2.197 χ^2/NDF: 70.0/42

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 11.008+/-0.003 χ^2/NDF: 136547.5/16

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.259+/-0.003 χ^2/NDF: 191704.8/19

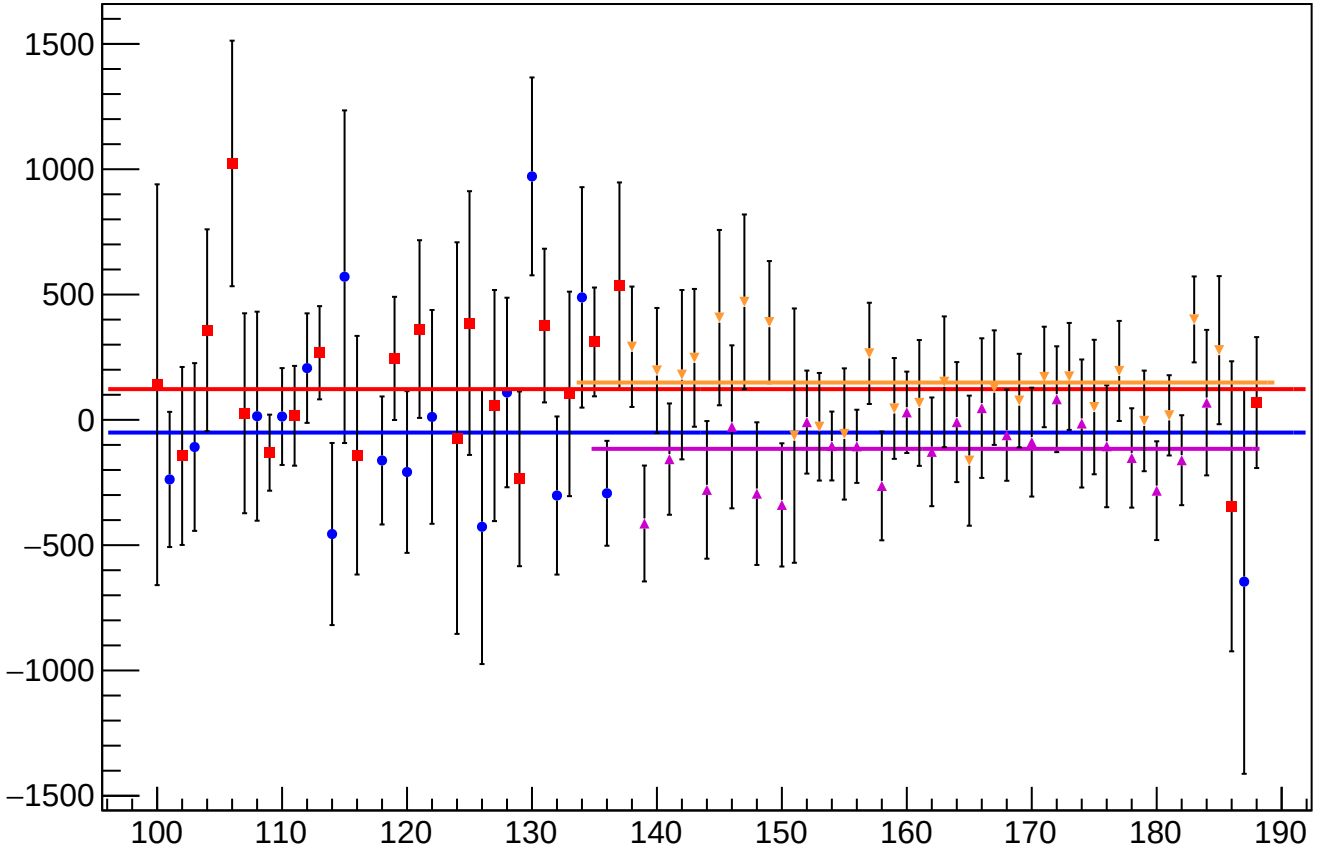
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.324+/-0.002 χ^2/NDF: 304112.2/40

All: 11.323+/-0.001 χ^2/NDF: 667158.3/83

- sign 11.322+/-0.002 χ^2/NDF: 363045.4/42

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -50.711+/-76.047 χ^2/NDF: 16.0/16

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 122.563+/-65.625 χ^2/NDF: 13.6/20

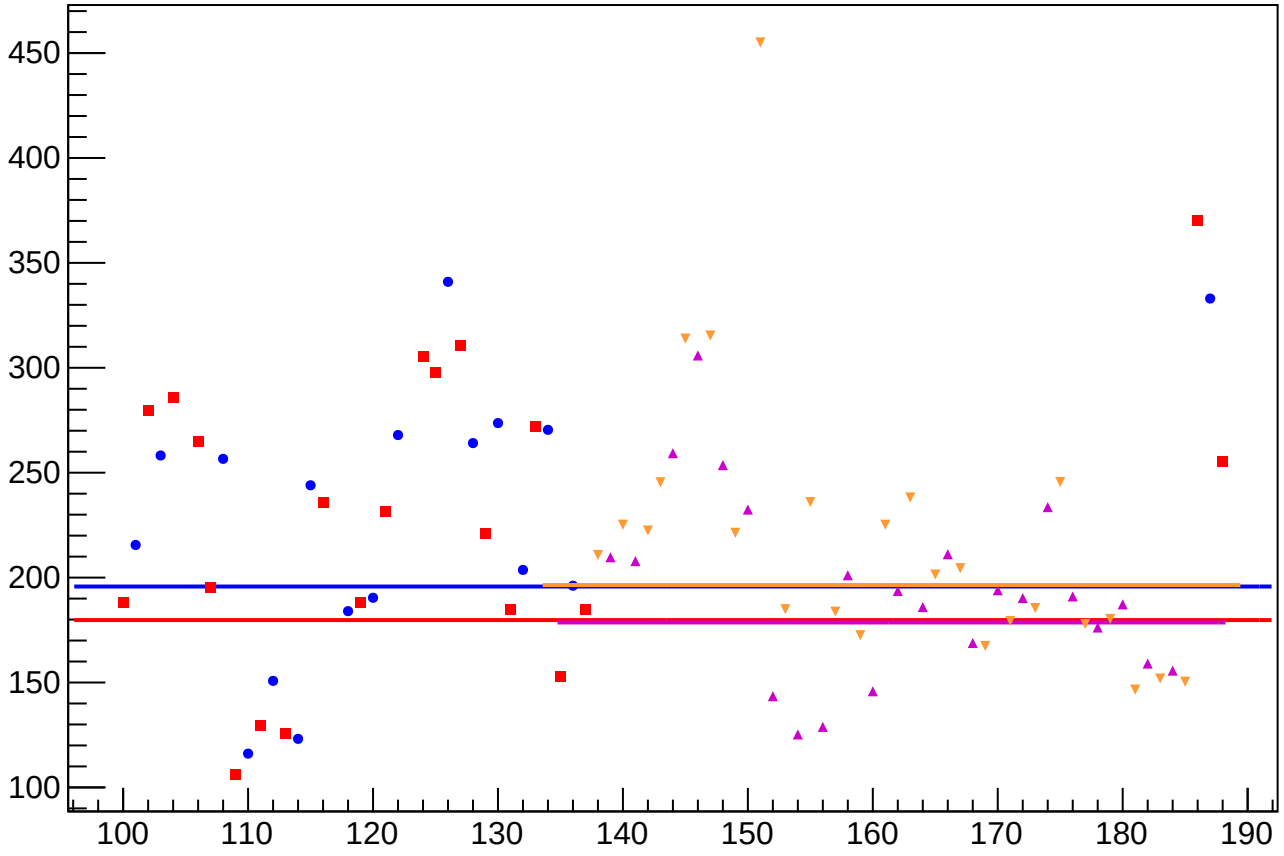
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 94.911+/-39.551 χ^2/NDF: 31.5/41

All: 20.320+/-26.759 χ^2/NDF: 68.6/85

- sign -42.648+/-36.339 χ^2/NDF: 30.5/43

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 195.749+/-0.054 χ^2/NDF: 1106782.1/16

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 179.755+/-0.046 χ^2/NDF: 2060807.7/20

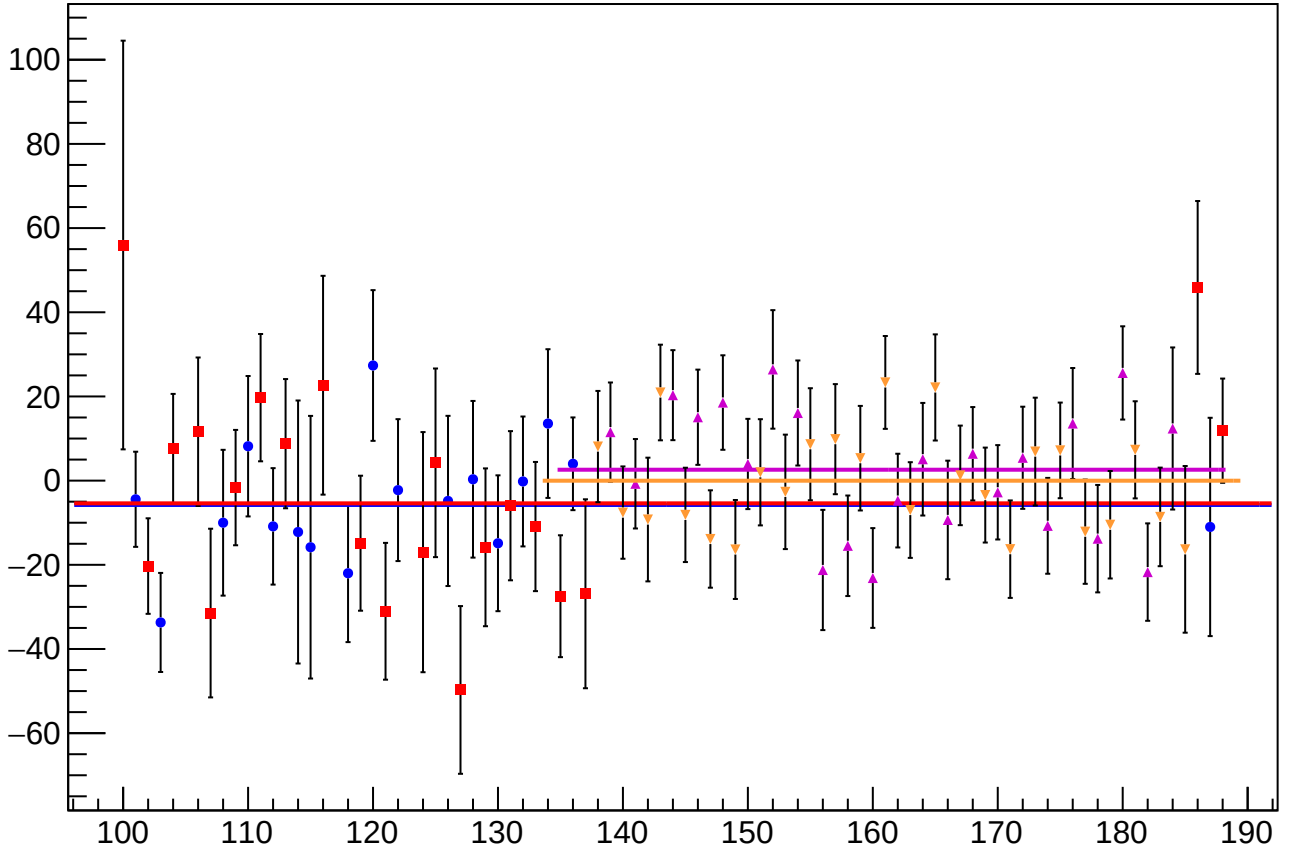
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 196.264+/-0.028 χ^2/NDF: 2925653.6/41

All: 186.883+/-0.019 χ^2/NDF: 6873231.6/85

- sign 178.964+/-0.026 χ^2/NDF: 3740086.6/43

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.778+/-3.894 χ^2/NDF: 13.7/16

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -5.396+/-3.661 χ^2/NDF: 31.8/20

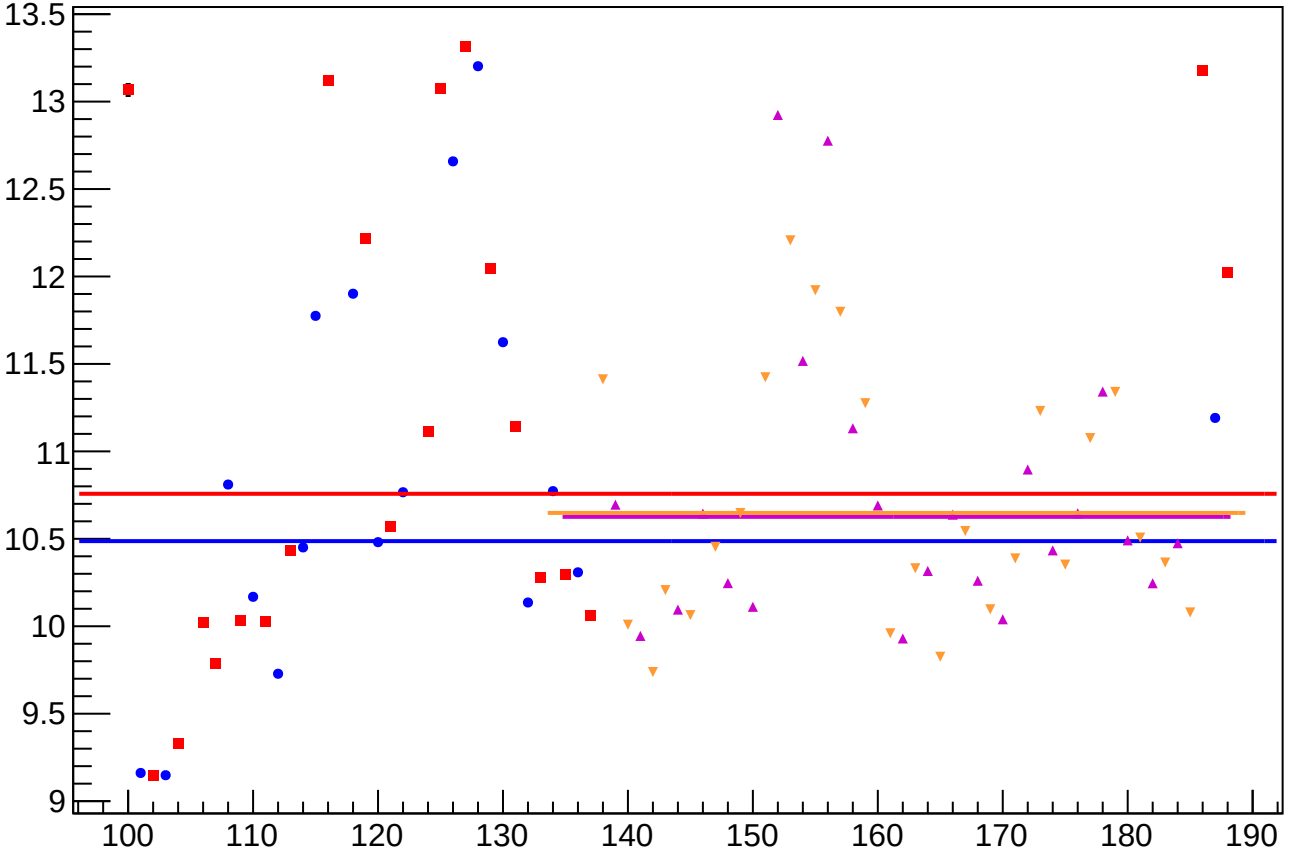
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.646+/-2.071 χ^2/NDF: 39.0/41

All: -0.800+/-1.463 χ^2/NDF: 109.2/85

- sign 0.043+/-2.068 χ^2/NDF: 69.8/43

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.487+/-0.003 χ^2/NDF: 158875.2/16

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.757+/-0.003 χ^2/NDF: 241472.0/20

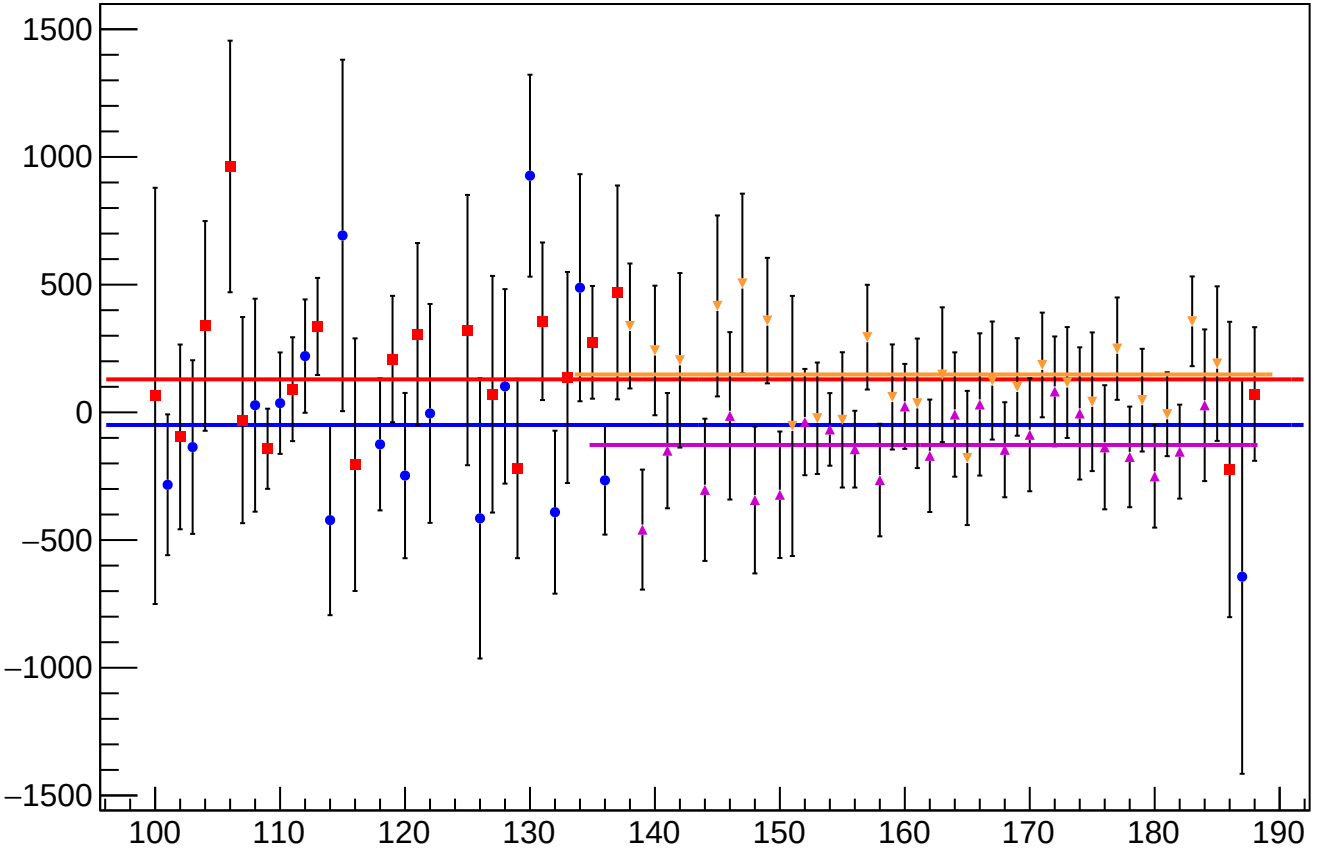
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.603+/-0.001 χ^2/NDF: 304875.4/41

All: 10.635+/-0.001 χ^2/NDF: 708645.1/85

- sign 10.668+/-0.001 χ^2/NDF: 402780.3/43

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -49.390+/-77.195 χ^2/NDF: 16.1/16

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 129.220+/-67.016 χ^2/NDF: 11.9/19

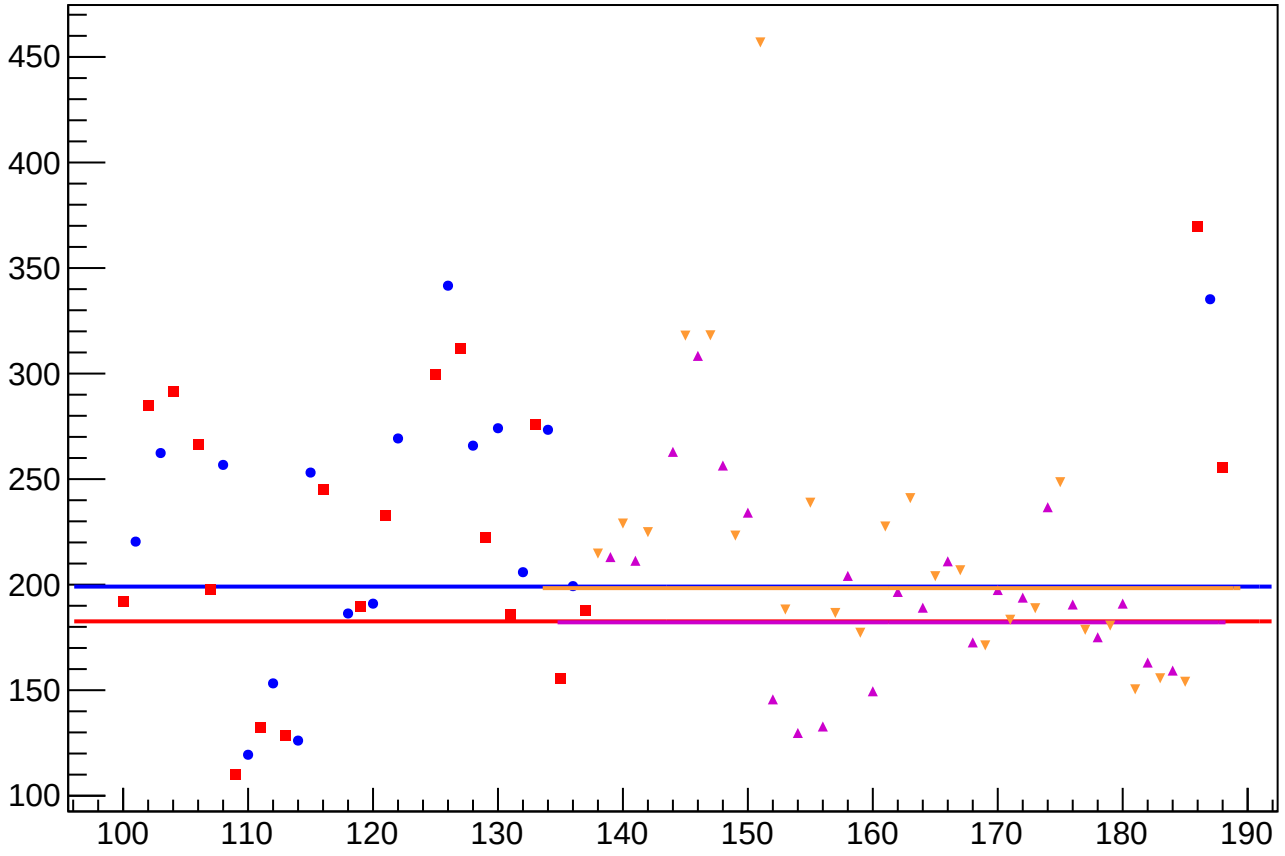
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 93.742+/-40.591 χ^2/NDF: 30.7/40

All: 15.687+/-27.356 χ^2/NDF: 67.4/83

- sign -49.270+/-37.029 χ^2/NDF: 30.0/42

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 199.083+/-0.055 χ^2/NDF: 1063202.4/16

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 182.611+/-0.047 χ^2/NDF: 1926031.5/19

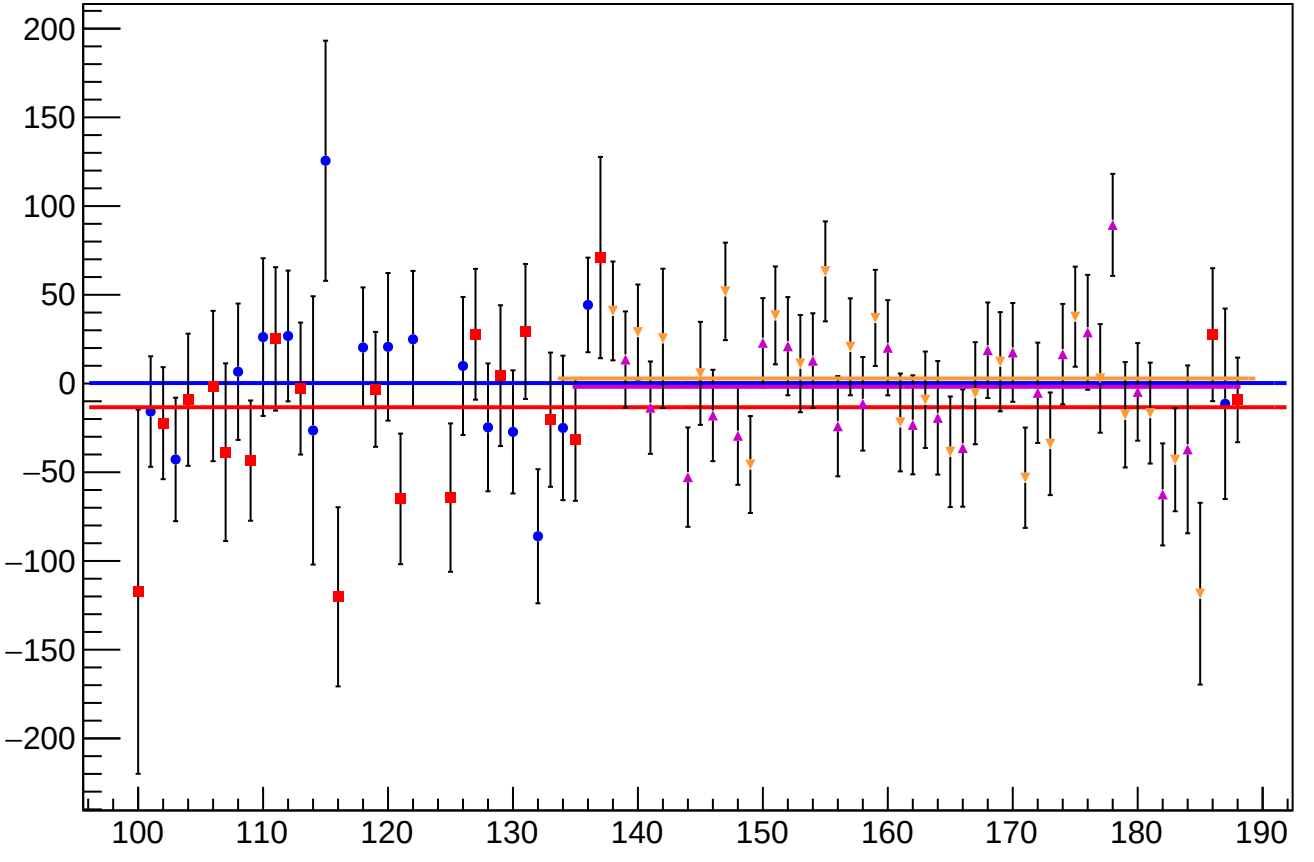
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 198.554+/-0.029 χ^2/NDF: 2760390.8/40

All: 189.678+/-0.019 χ^2/NDF: 6446073.6/83

- sign 182.291+/-0.026 χ^2/NDF: 3510455.3/42

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.259+/-9.280 χ^2/NDF: 16.8/16

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

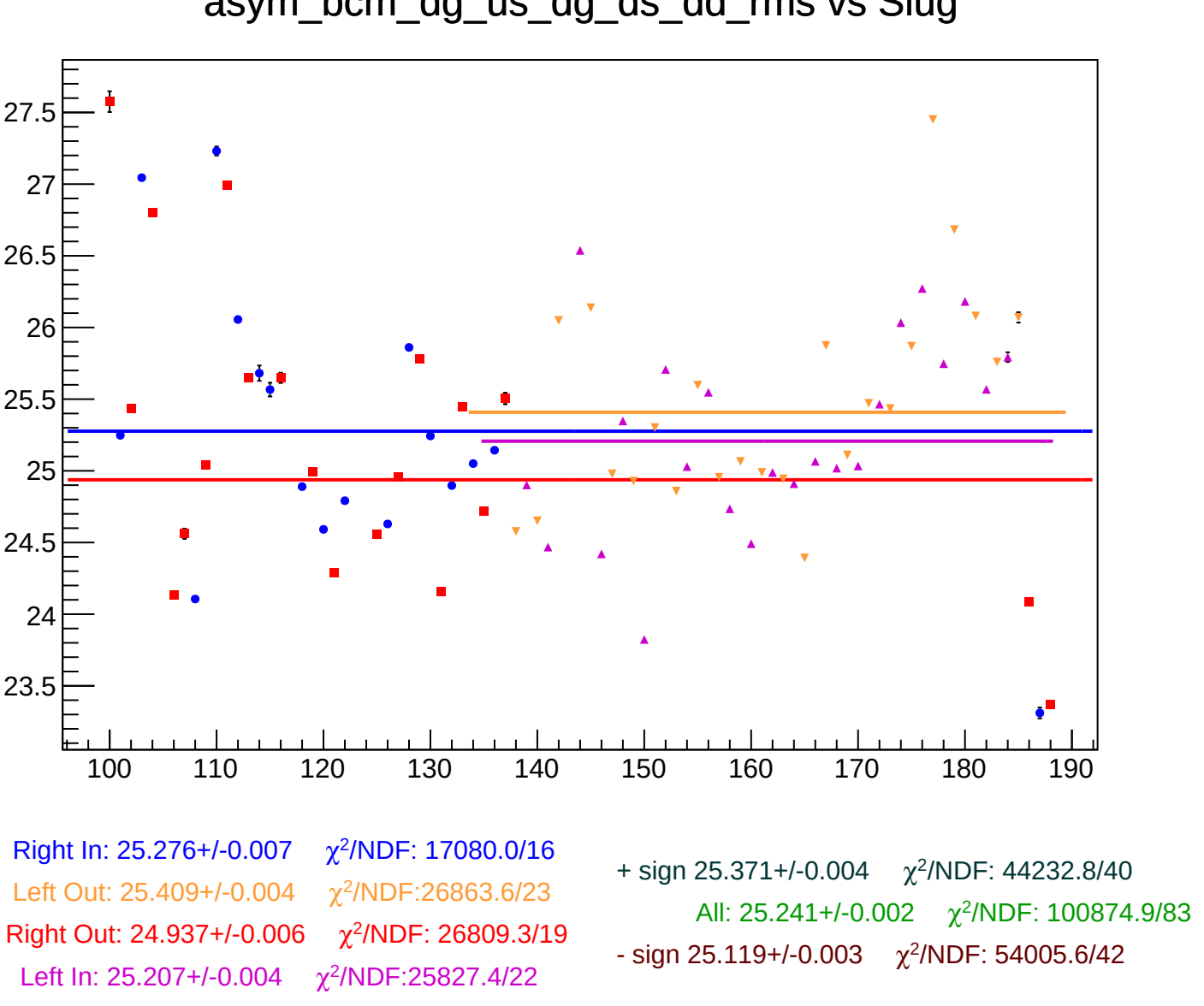
Right Out: -13.377+/-8.446 χ^2/NDF: 17.7/19

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

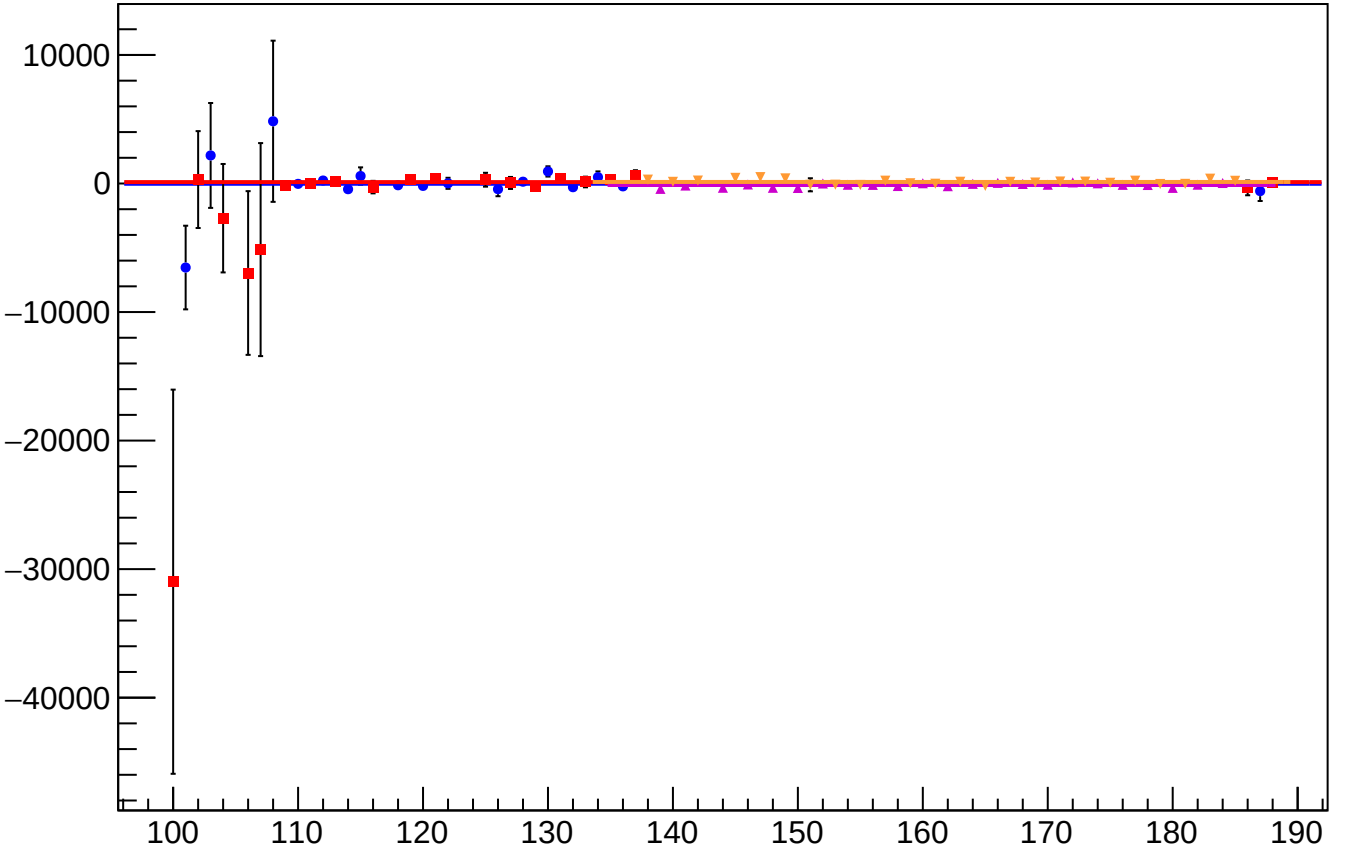
+ sign 2.104+/-4.982 χ^2/NDF: 53.7/40

All: -1.877+/-3.469 χ^2/NDF: 102.0/83

- sign -5.624+/-4.833 χ^2/NDF: 47.0/42


asym_bcm_dg_us_dg_ds_dd_rms vs Slug
27.5
27
26.5
26
25.5
25
24.5
24
23.5
100
110
120
130
140
150
160
170
180
190
Right In: 25.276+/-0.007 χ²/NDF: 17080.0/16
Left Out: 25.409+/-0.004 χ²/NDF:26863.6/23
Right Out: 24.937+/-0.006 χ²/NDF: 26809.3/19
Left In: 25.207+/-0.004 χ²/NDF:25827.4/22
+ sign 25.371+/-0.004 χ²/NDF: 44232.8/40
All: 25.241+/-0.002 χ²/NDF: 100874.9/83
- sign 25.119+/-0.003 χ²/NDF: 54005.6/42

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -20.003+/-83.952 χ^2/NDF: 18.9/16

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 109.030+/-74.339 χ^2/NDF: 15.0/19

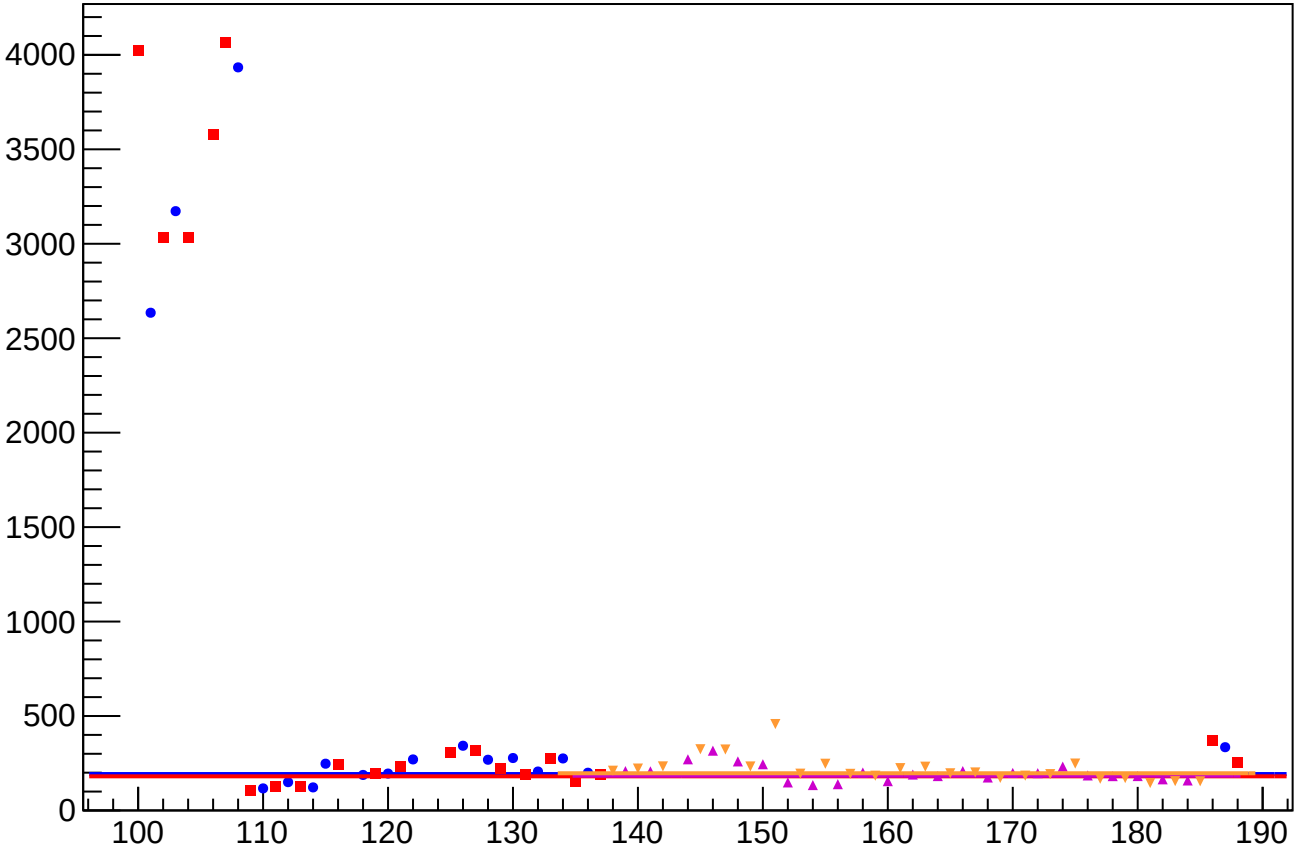
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 86.282+/-41.302 χ^2/NDF: 32.9/40

All: 9.761+/-28.108 χ^2/NDF: 69.5/83

- sign -56.253+/-38.362 χ^2/NDF: 30.2/42

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 192.776+/-0.059 χ^2/NDF: 3902755.4/16

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 180.663+/-0.053 χ^2/NDF: 4664965.6/19

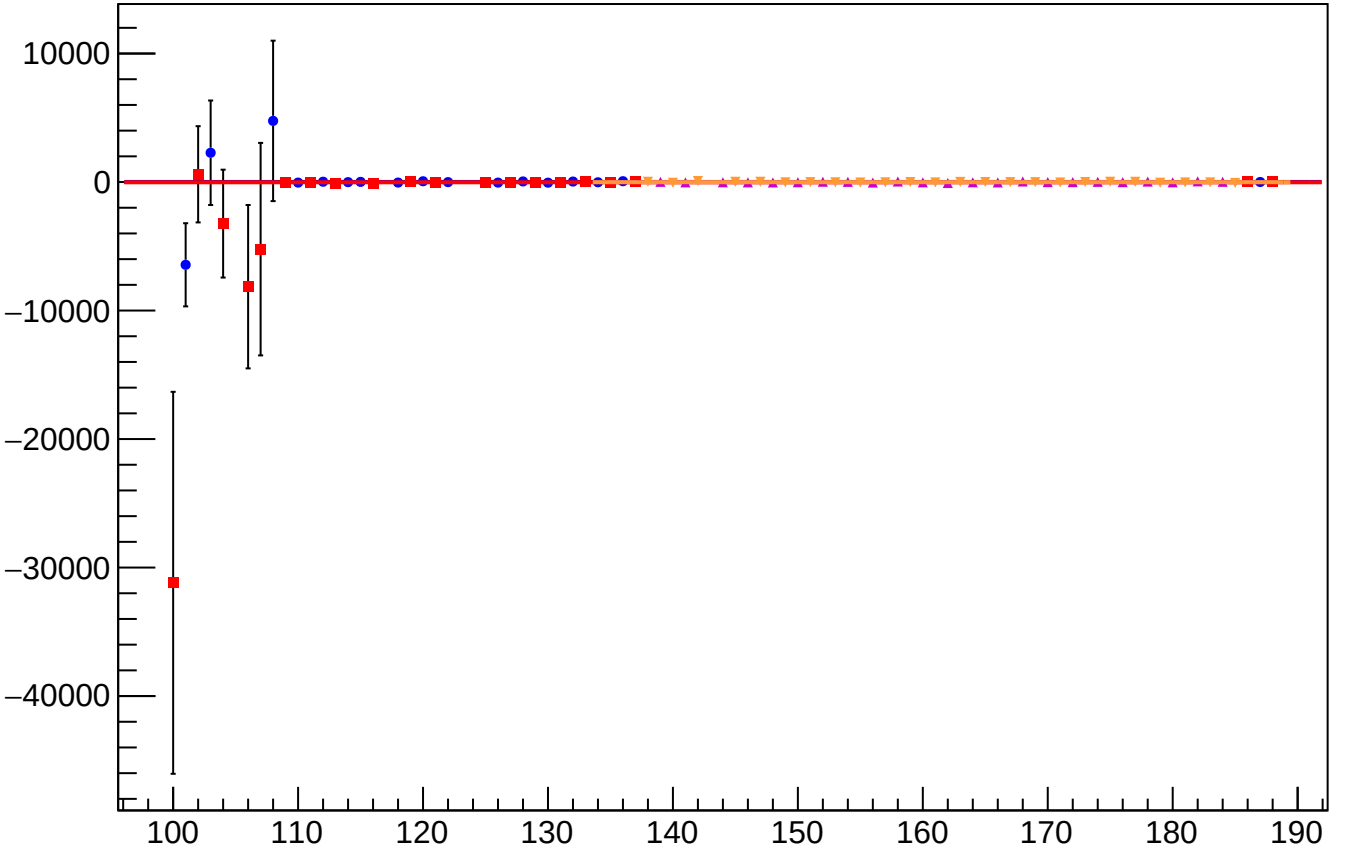
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 195.928+/-0.029 χ^2/NDF: 5715743.3/40

All: 189.068+/-0.020 χ^2/NDF: 11931983.1/83

- sign 183.149+/-0.027 χ^2/NDF: 6113440.0/42

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.410+/-11.596 χ^2/NDF: 18.3/16

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -18.853+/-10.878 χ^2/NDF: 25.2/19

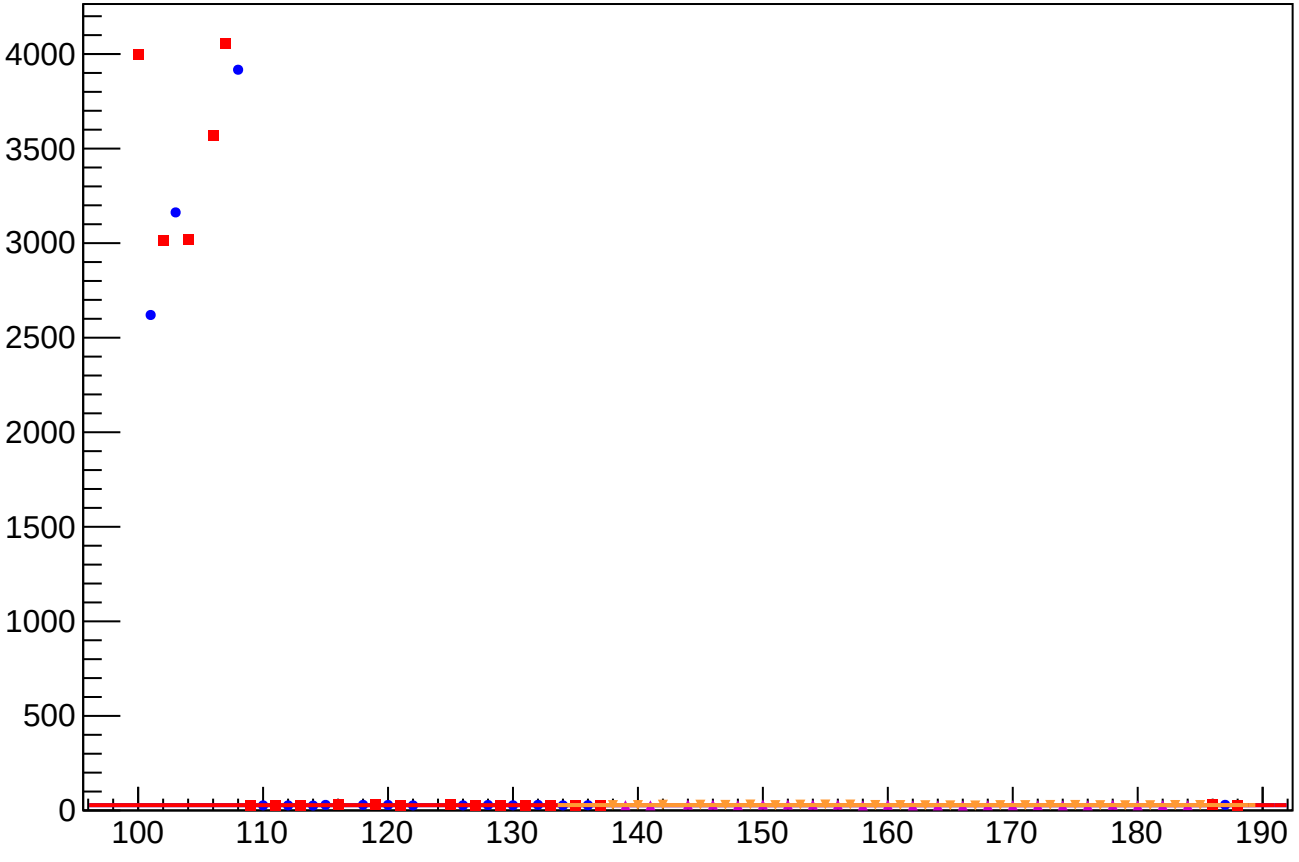
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.772+/-5.771 χ^2/NDF: 37.5/40

All: -6.929+/-4.064 χ^2/NDF: 86.5/83

- sign -7.084+/-5.725 χ^2/NDF: 49.0/42

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.876+/-0.008 χ^2/NDF: 3267207.5/16

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.997+/-0.008 χ^2/NDF: 3568325.0/19

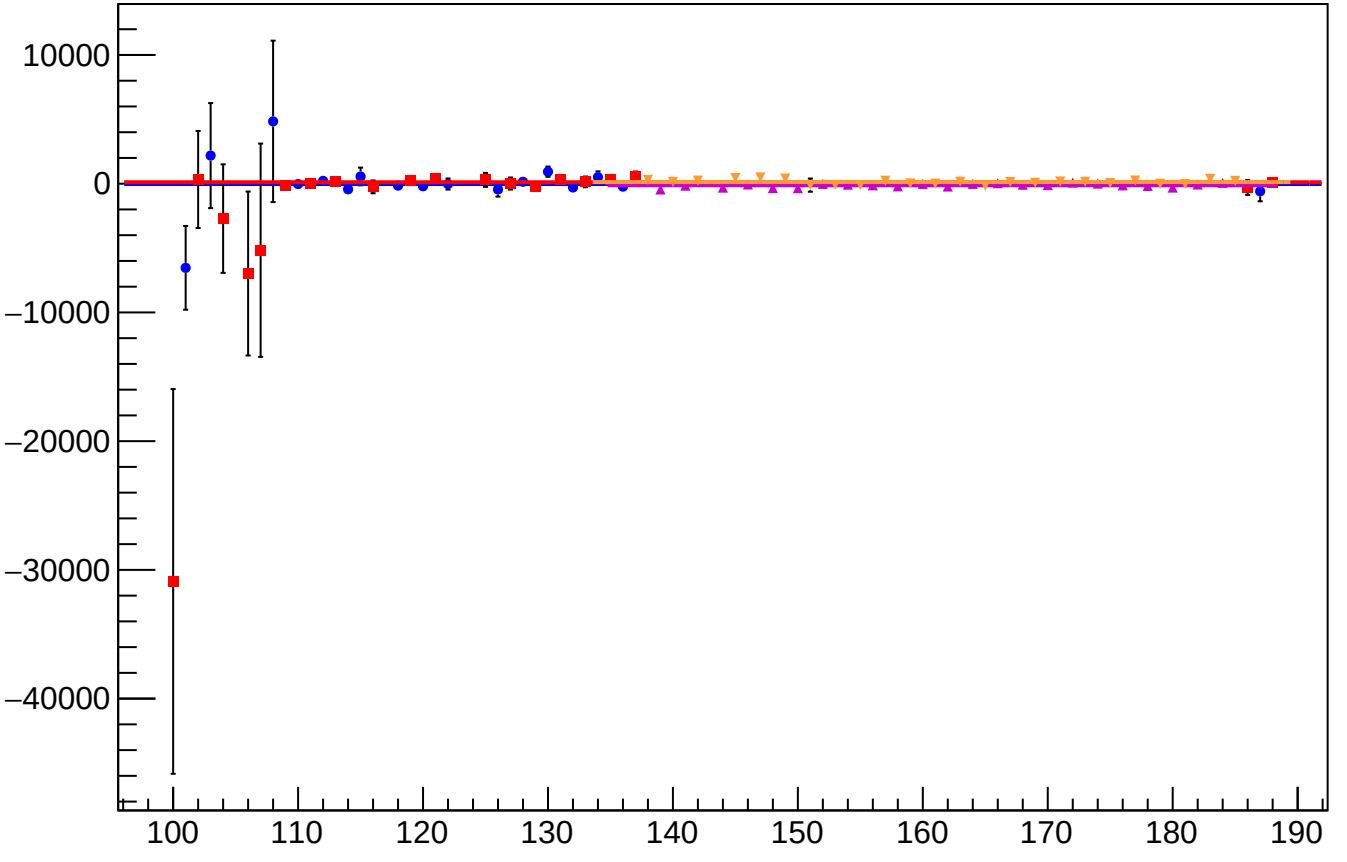
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.415+/-0.004 χ^2/NDF: 3353951.5/40

All: 28.470+/-0.003 χ^2/NDF: 7056558.9/83

\- sign 28.525+/-0.004 χ^2/NDF: 3702238.4/42

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -26.333+/-84.554 χ^2/NDF: 18.7/16

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 112.750+/-74.855 χ^2/NDF: 13.8/19

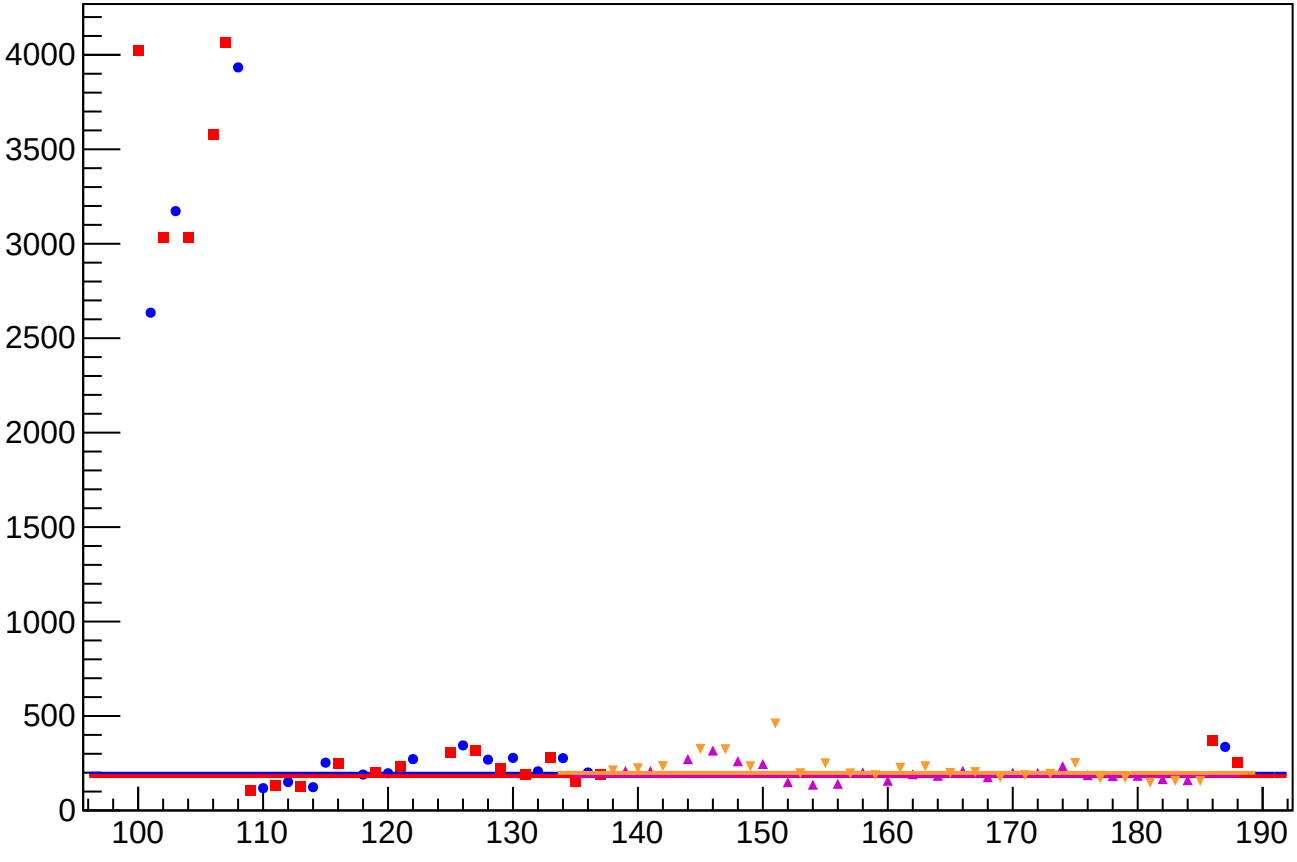
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 89.329+/-41.646 χ^2/NDF: 32.8/40

All: 9.251+/-28.346 χ^2/NDF: 68.7/83

- sign -59.871+/-38.692 χ^2/NDF: 29.0/42

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 194.275+/-0.060 χ^2/NDF: 3890974.3/16

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 182.072+/-0.053 χ^2/NDF: 4649231.6/19

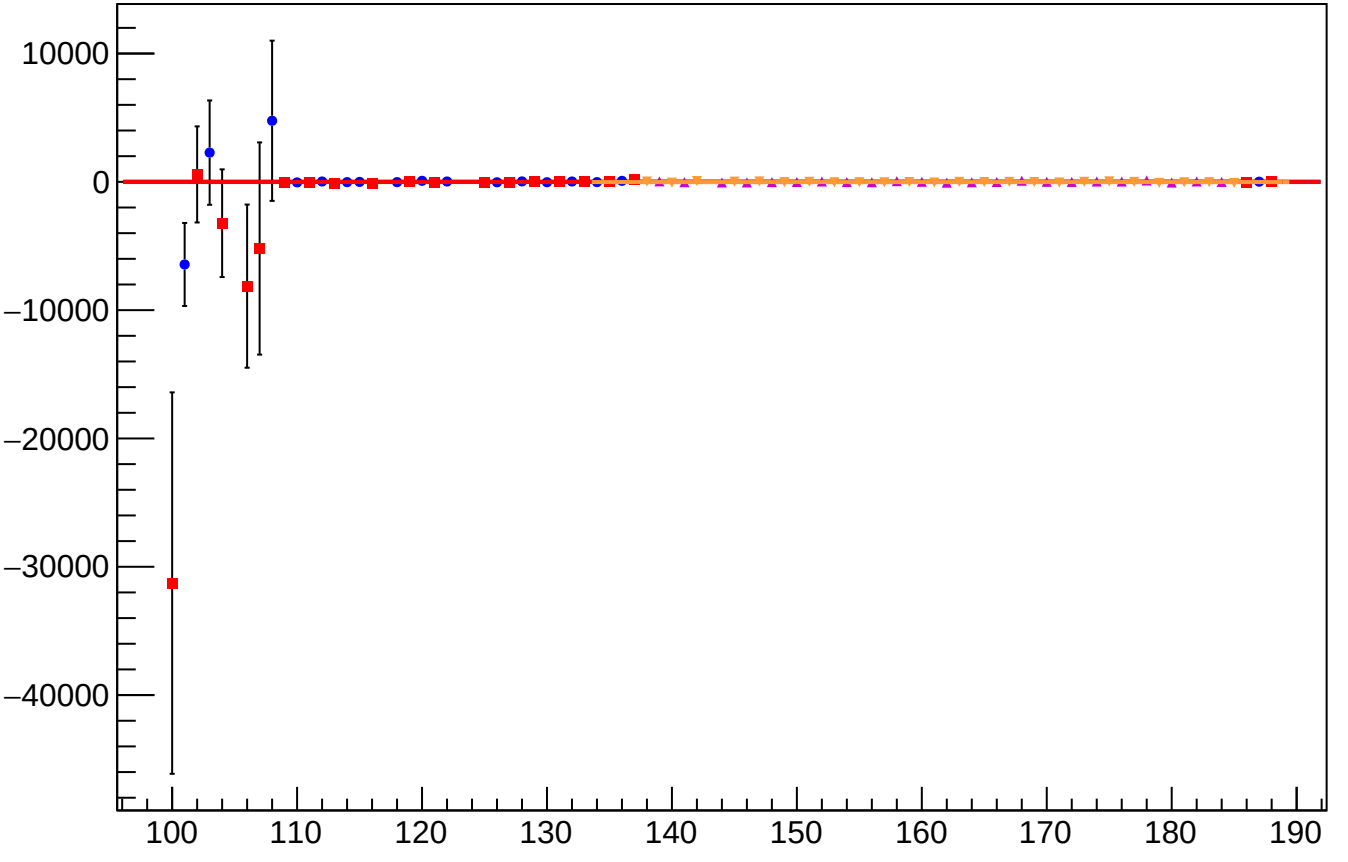
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 197.654+/-0.029 χ^2/NDF: 5681597.5/40

All: 190.785+/-0.020 χ^2/NDF: 11841497.8/83

- sign 184.856+/-0.027 χ^2/NDF: 6058533.1/42

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.661+/-12.865 χ^2/NDF: 15.5/16

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -16.026+/-12.015 χ^2/NDF: 30.4/19

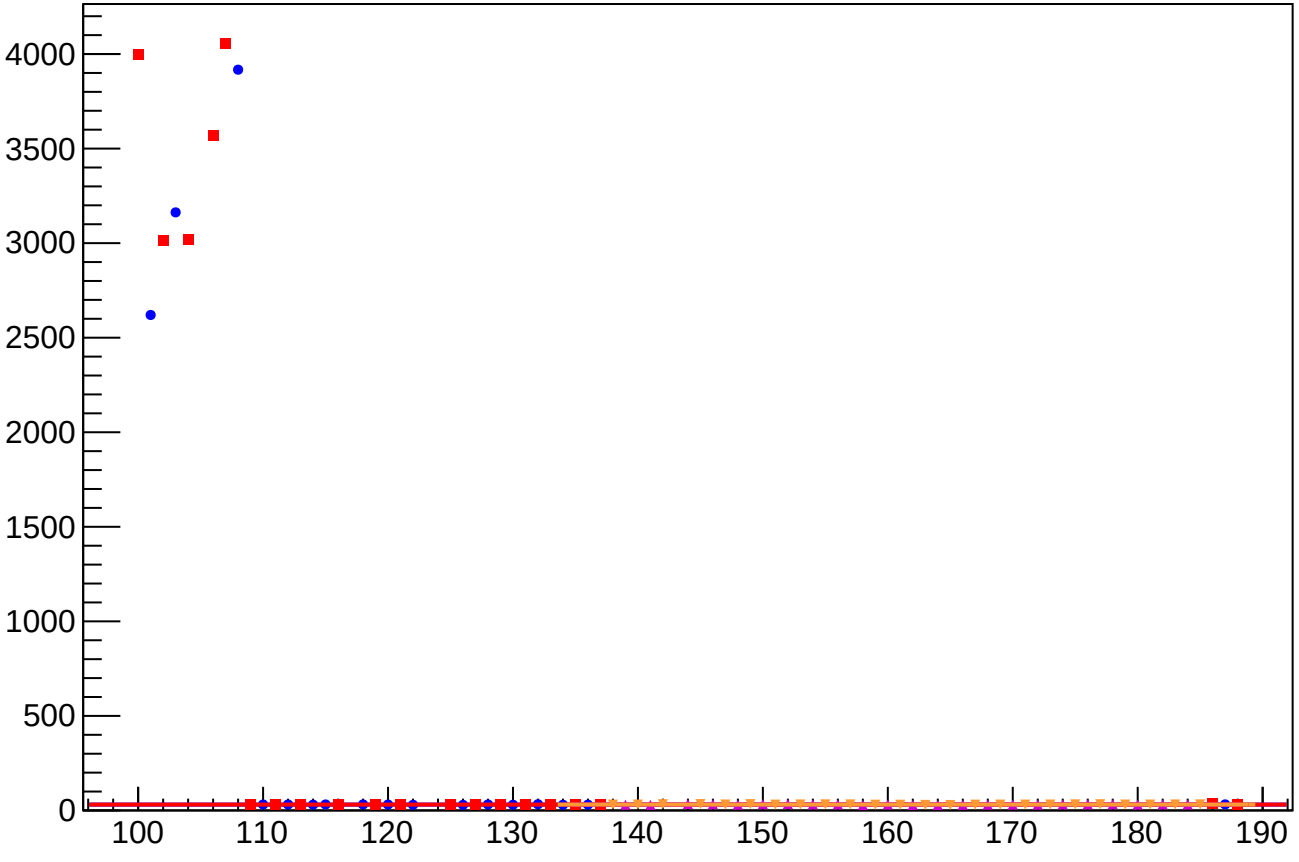
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -10.495+/-6.322 χ^2/NDF: 40.4/40

All: -6.408+/-4.451 χ^2/NDF: 108.9/83

- sign -2.391+/-6.269 χ^2/NDF: 67.7/42

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.962+/-0.009 χ^2/NDF: 3253046.2/16

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.965+/-0.008 χ^2/NDF: 3545211.1/19

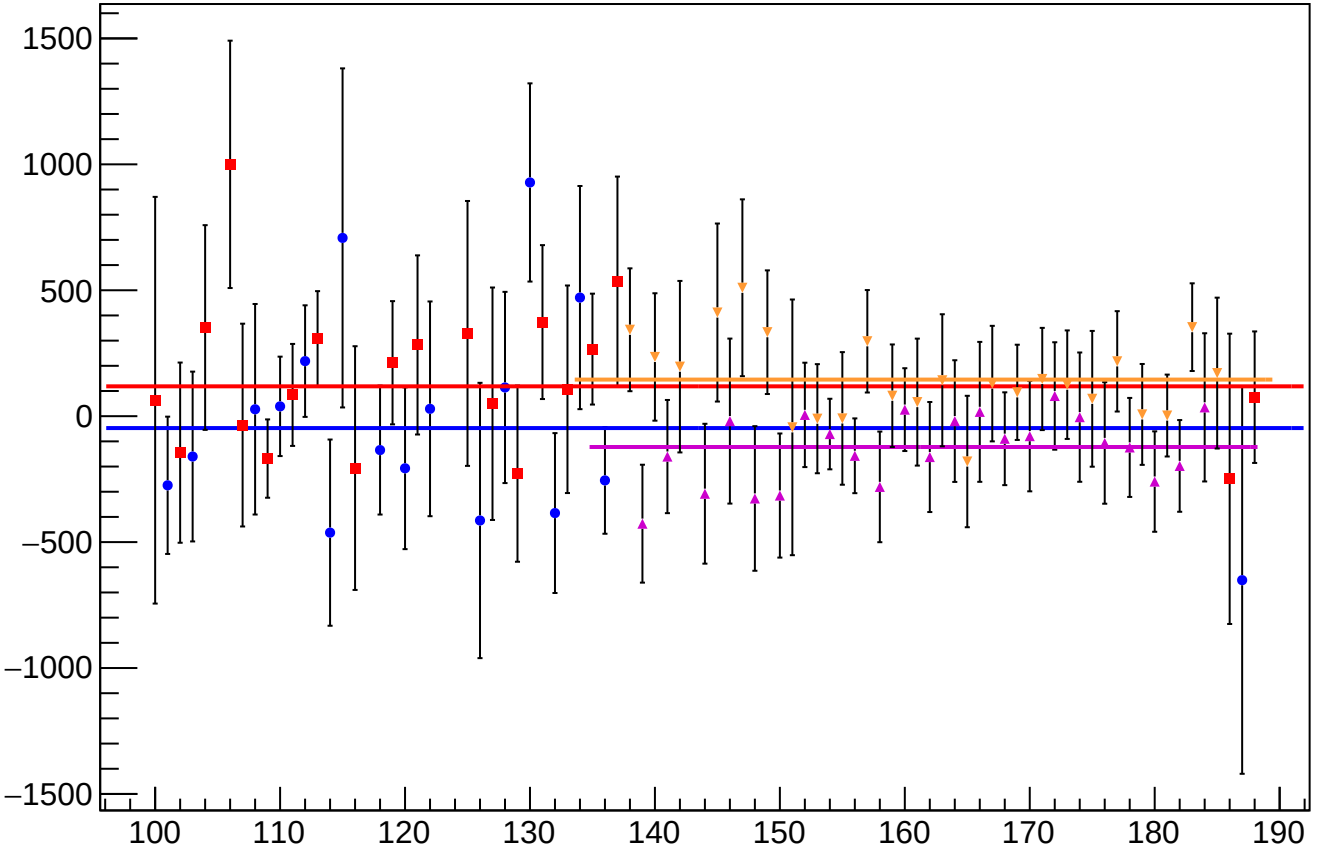
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 31.159+/-0.004 χ^2/NDF: 3301086.9/40

All: 31.213+/-0.003 χ^2/NDF: 6933555.8/83

\- sign 31.267+/-0.004 χ^2/NDF: 3632176.0/42

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -47.191+/-76.754 χ^2/NDF: 16.2/16

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 118.533+/-66.607 χ^2/NDF: 13.2/19

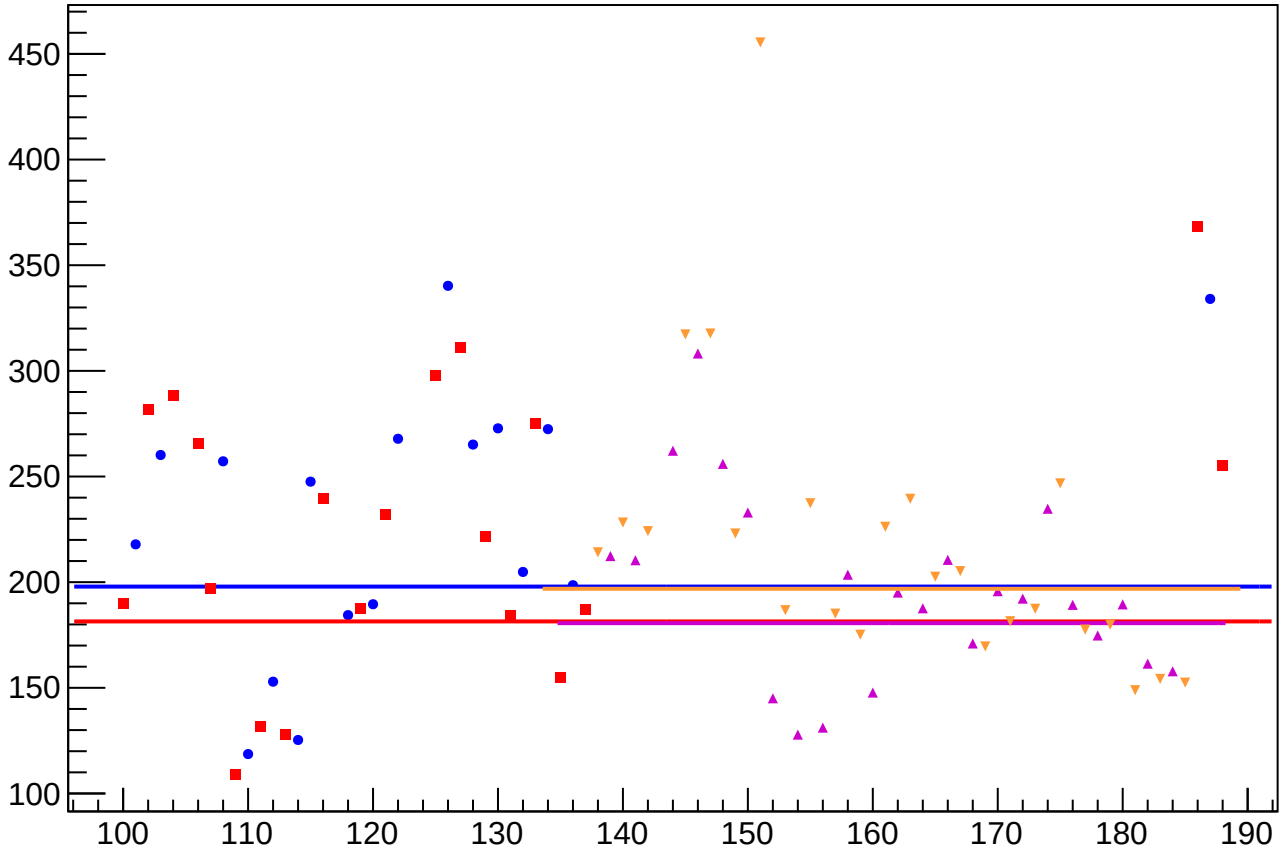
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 92.182+/-40.323 χ^2/NDF: 30.1/40

All: 15.079+/-27.166 χ^2/NDF: 67.0/83

- sign -48.998+/-36.760 χ^2/NDF: 30.2/42

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 197.912+/-0.054 χ^2/NDF: 1064086.6/16

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 181.425+/-0.047 χ^2/NDF: 1928938.2/19

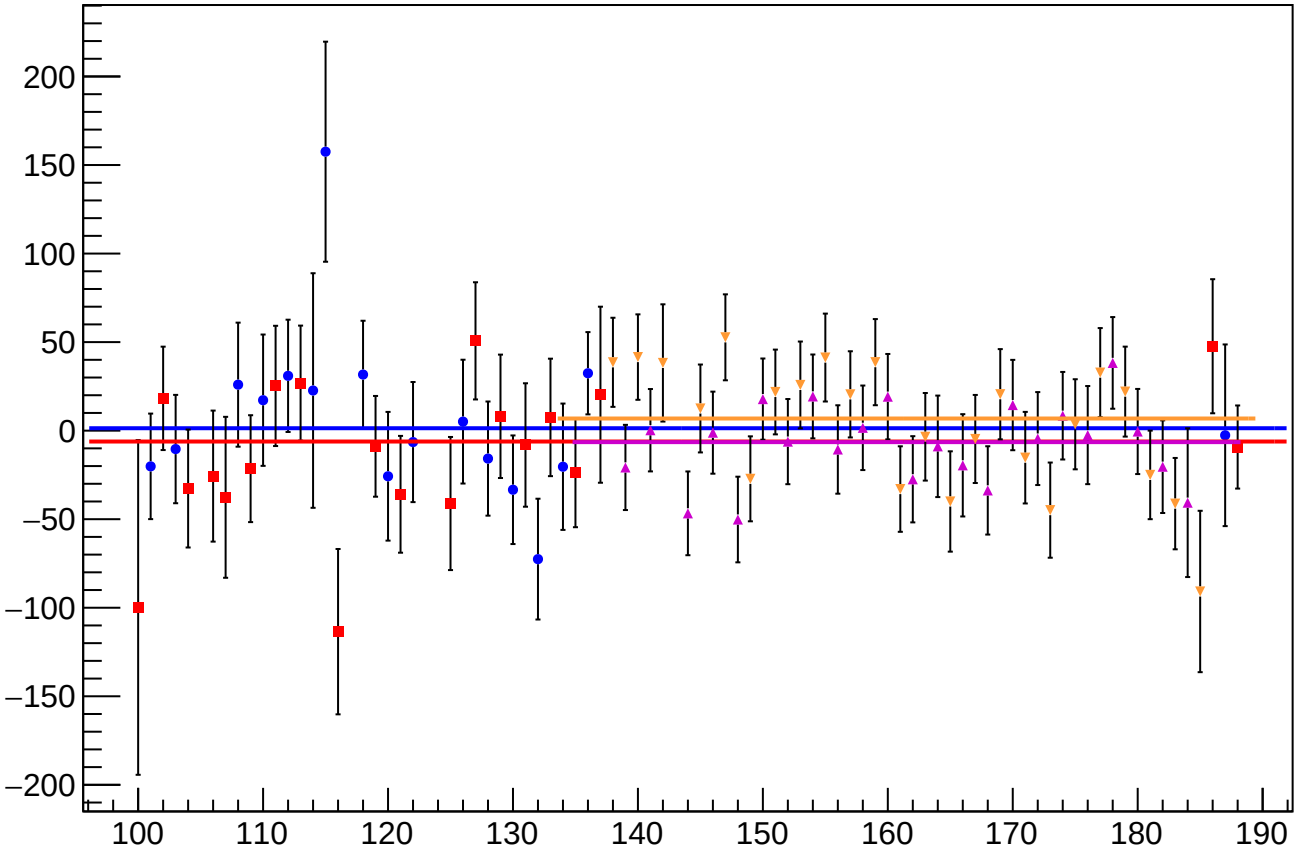
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 197.160+/-0.029 χ^2/NDF: 2789458.9/40

All: 188.254+/-0.019 χ^2/NDF: 6525328.3/83

- sign 180.852+/-0.026 χ^2/NDF: 3557223.0/42

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.369+/-8.261 χ^2/NDF: 18.7/16

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -6.139+/-7.652 χ^2/NDF: 18.1/19

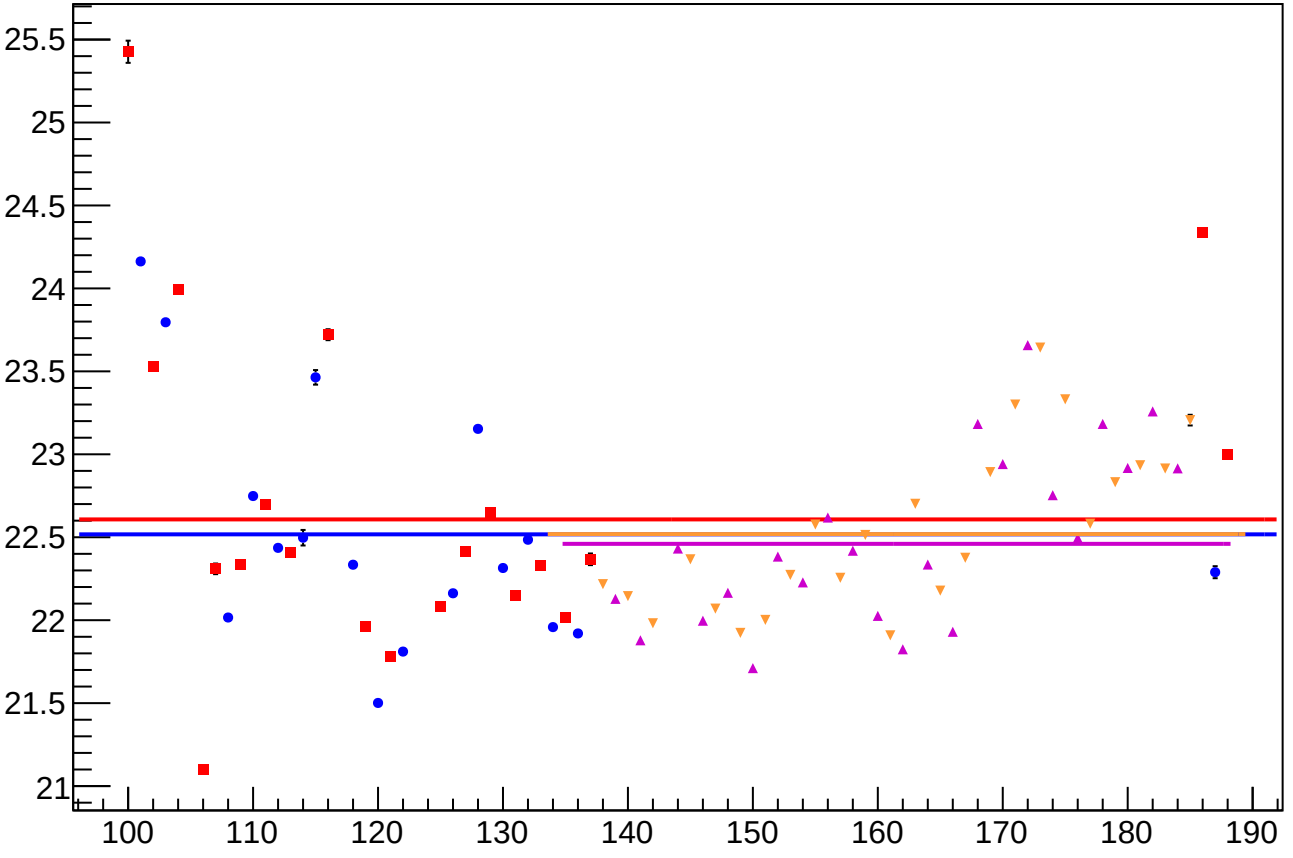
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 5.288+/-4.418 χ^2/NDF: 55.8/40

All: -0.664+/-3.091 χ^2/NDF: 95.0/83

- sign -6.372+/-4.327 χ^2/NDF: 35.6/42

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.517+/-0.006 χ^2/NDF: 15988.4/16

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.608+/-0.005 χ^2/NDF: 20779.8/19

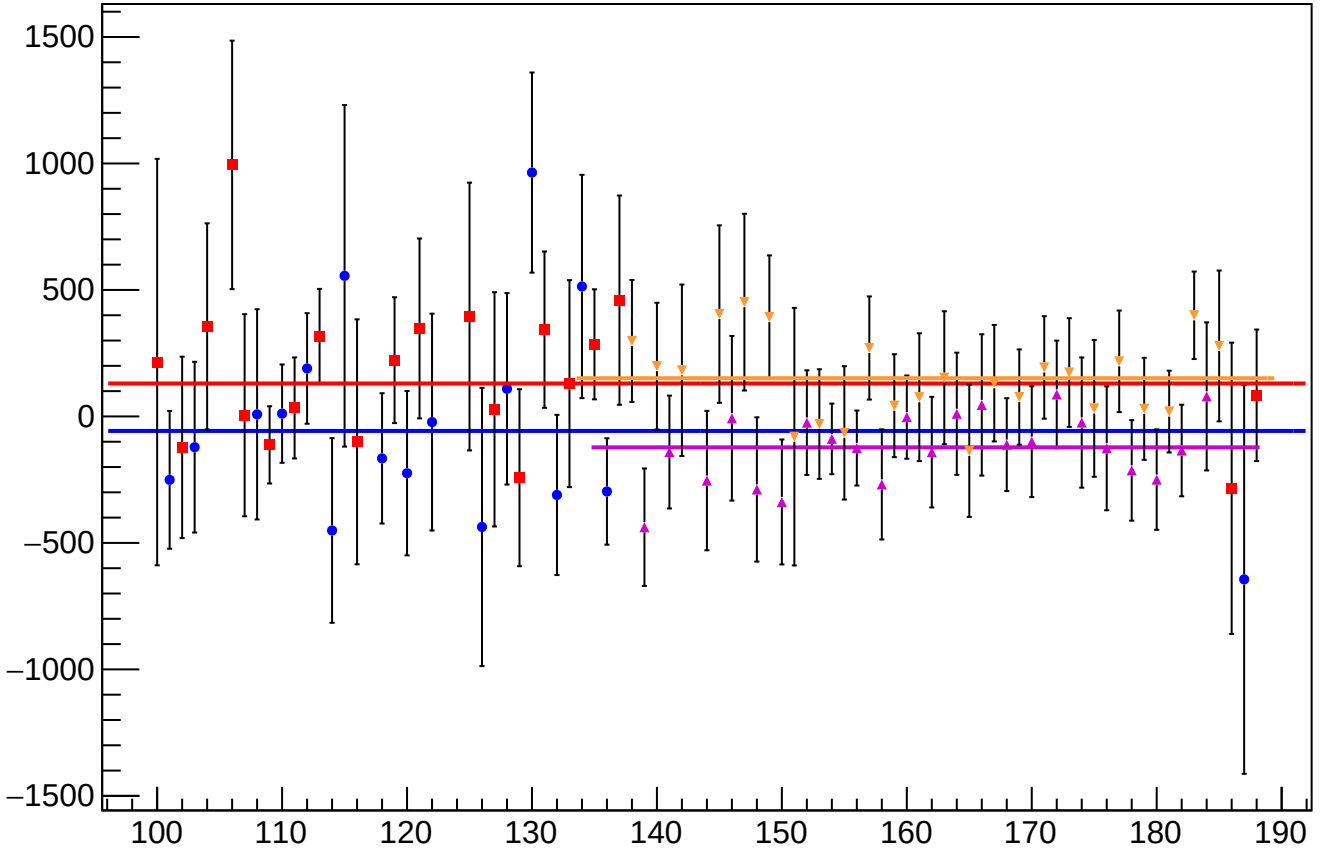
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.519+/-0.003 χ^2/NDF: 31986.7/40

All: 22.513+/-0.002 χ^2/NDF: 72394.3/83

- sign 22.507+/-0.003 χ^2/NDF: 40401.0/42

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -57.348+/-76.417 χ^2/NDF: 15.9/16

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 130.323+/-66.150 χ^2/NDF: 12.1/19

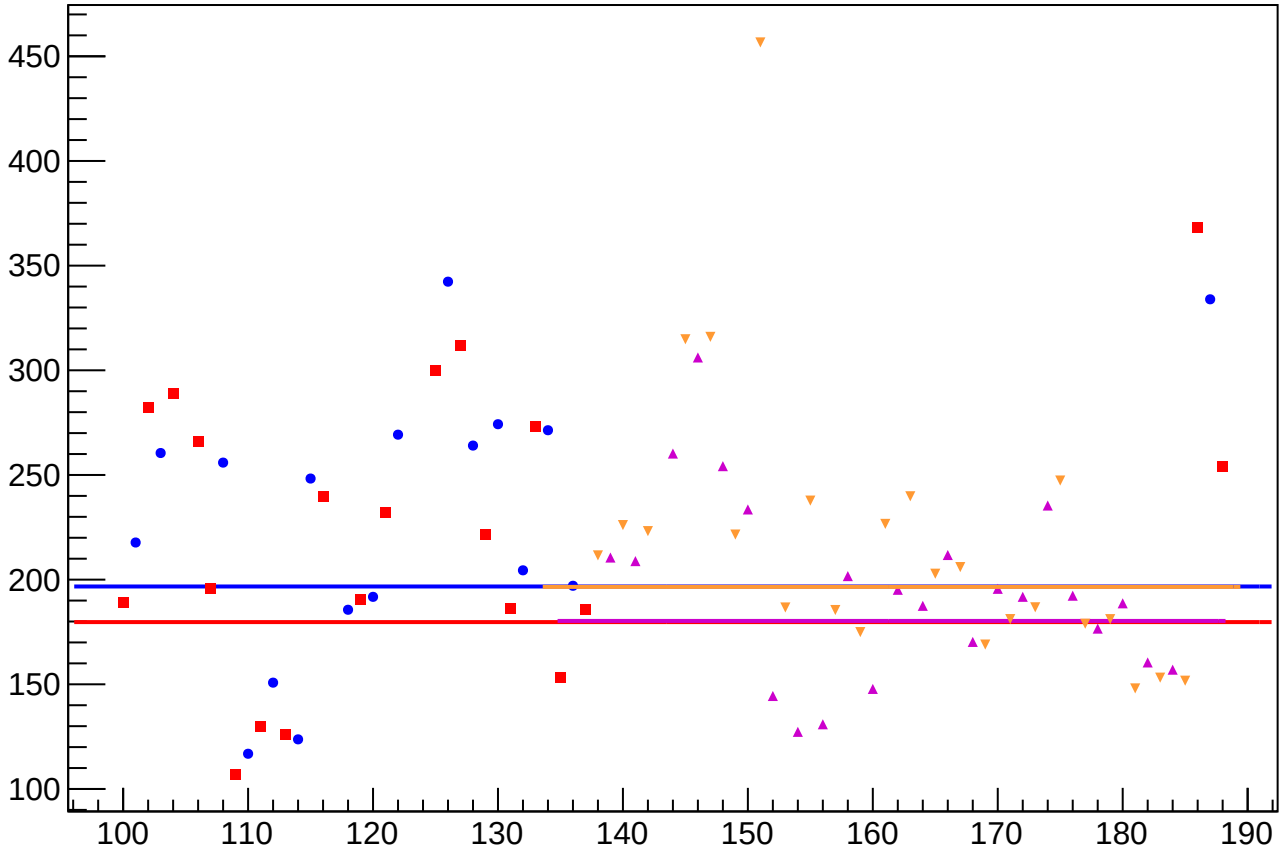
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 93.338+/-40.229 χ^2/NDF: 31.3/40

All: 17.884+/-27.088 χ^2/NDF: 67.4/83

- sign -44.706+/-36.639 χ^2/NDF: 29.7/42

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 196.730+/-0.054 χ^2/NDF: 1105776.3/16

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 179.719+/-0.047 χ^2/NDF: 2004925.7/19

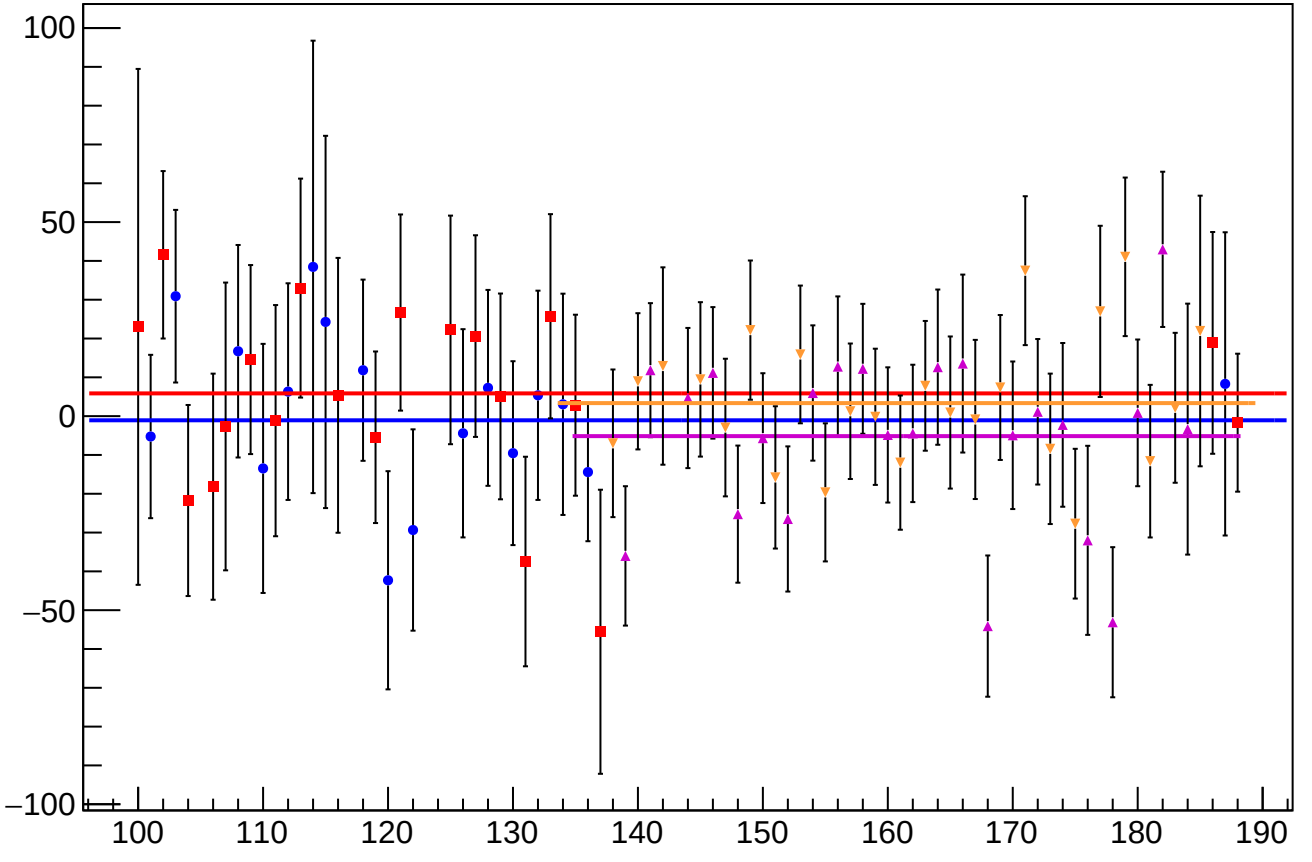
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 196.588+/-0.028 χ^2/NDF: 2833674.5/40

All: 187.578+/-0.019 χ^2/NDF: 6646927.1/83

- sign 180.104+/-0.026 χ^2/NDF: 3629706.0/42

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.071+/-6.410 χ^2/NDF: 8.1/16

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 5.862+/-5.949 χ^2/NDF: 13.8/19

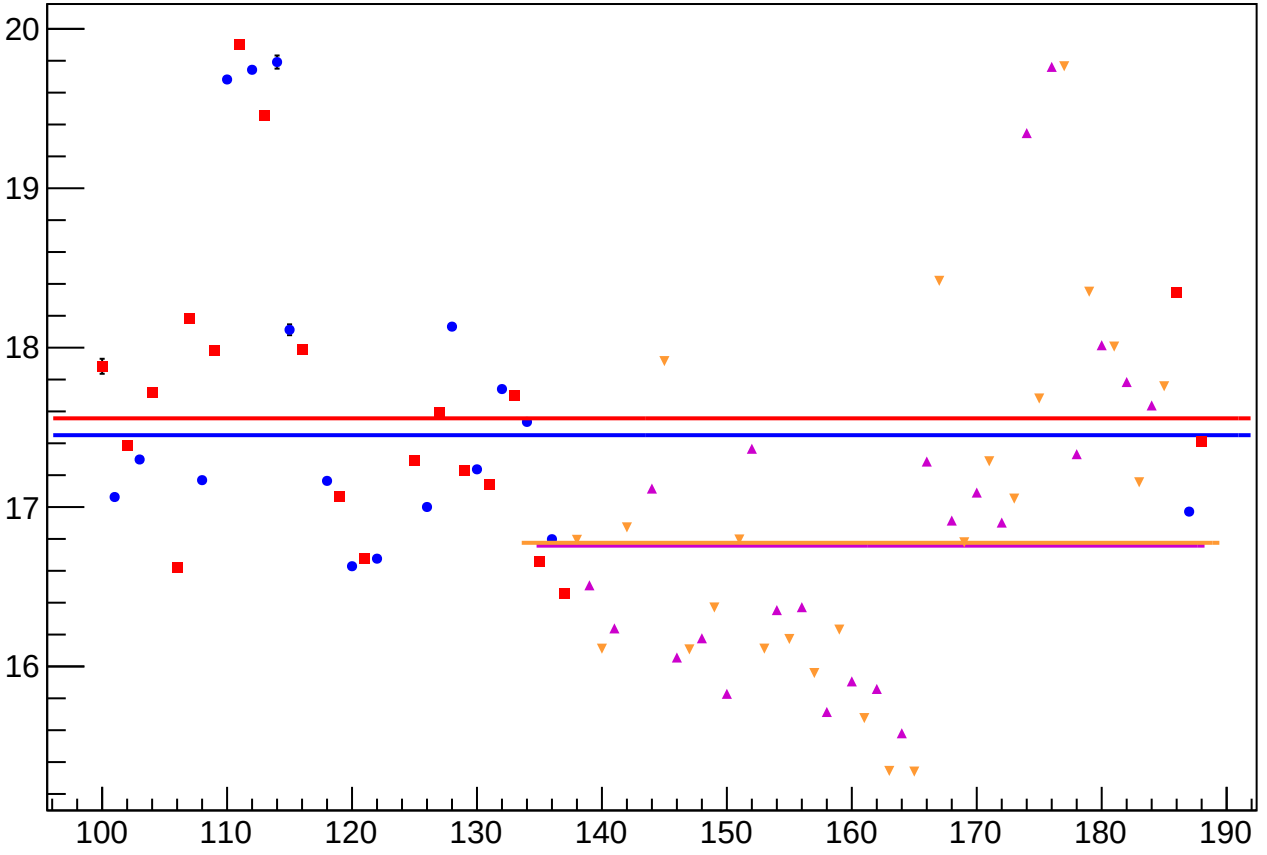
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 2.160+/-3.335 χ^2/NDF: 26.1/40

All: 0.139+/-2.337 χ^2/NDF: 75.4/83

- sign -1.811+/-3.276 χ^2/NDF: 48.5/42

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.451+/-0.005 χ^2/NDF: 36959.7/16

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.557+/-0.004 χ^2/NDF: 36151.3/19

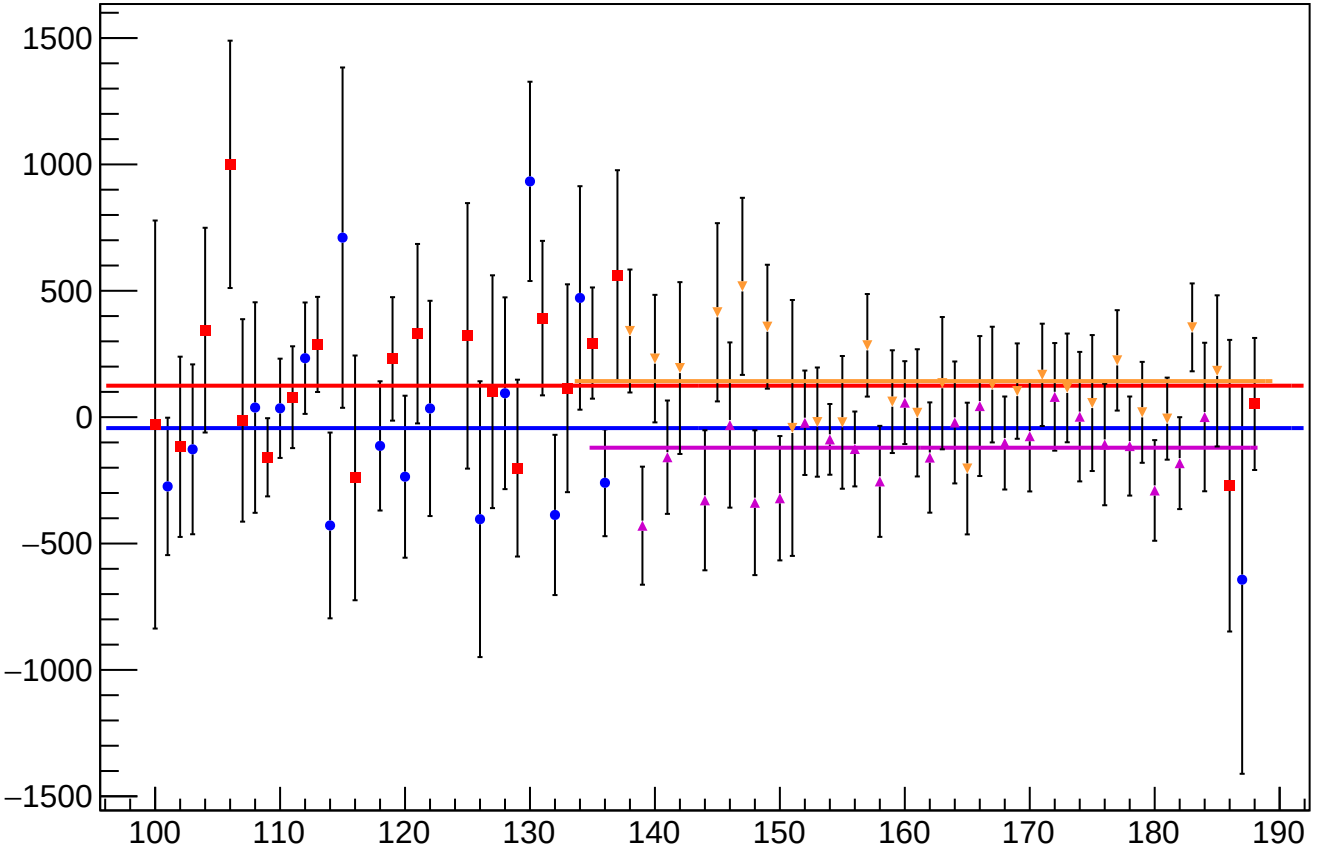
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.958+/-0.002 χ^2/NDF: 189284.5/40

All: 16.980+/-0.002 χ^2/NDF: 374030.8/83

- sign 17.000+/-0.002 χ^2/NDF: 184588.1/42

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -43.259+/-76.532 χ^2/NDF: 16.3/16

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 124.526+/-66.410 χ^2/NDF: 13.4/19

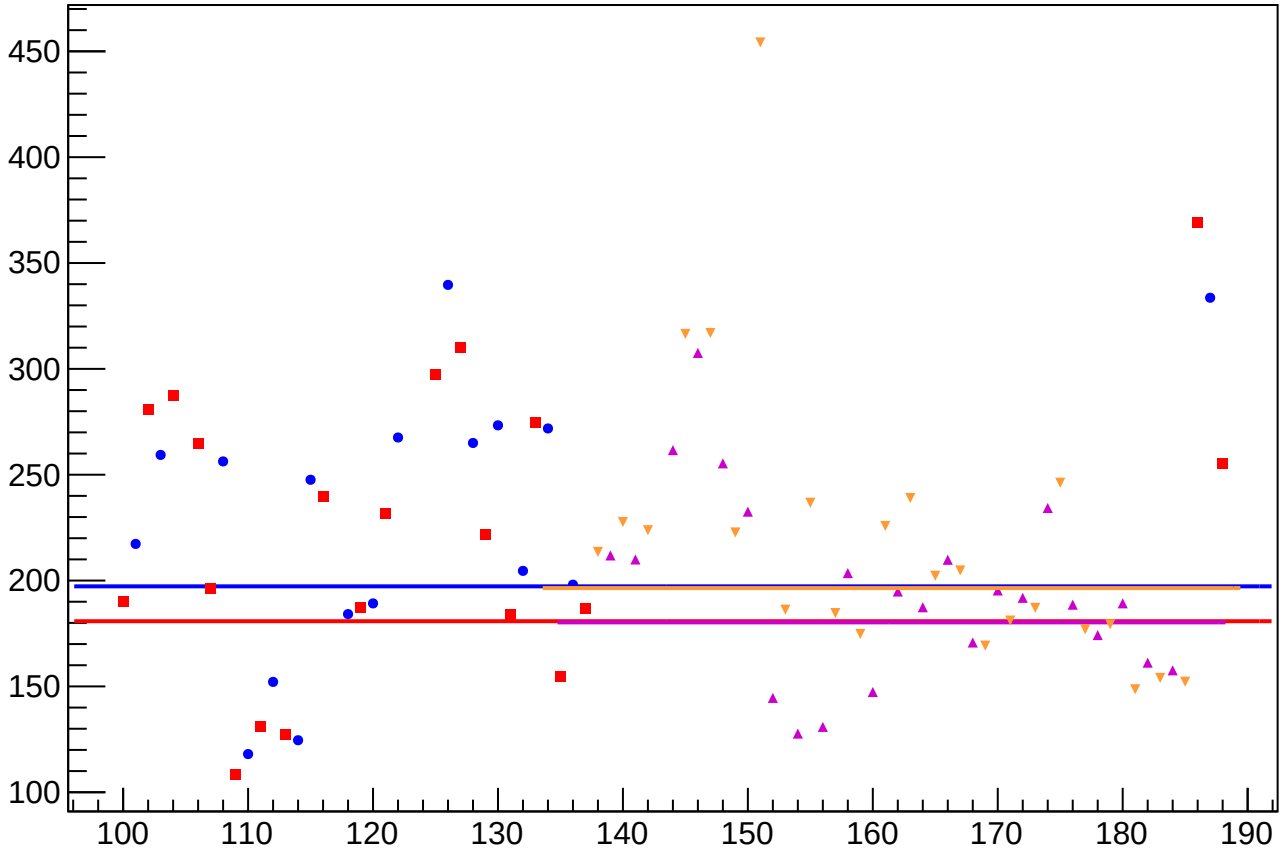
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 91.318+/-40.228 χ^2/NDF: 30.7/40

All: 16.312+/-27.103 χ^2/NDF: 68.2/83

- sign -46.035+/-36.676 χ^2/NDF: 31.1/42

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 197.267+/-0.054 χ^2/NDF: 1074678.7/16

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 180.795+/-0.047 χ^2/NDF: 1944658.4/19

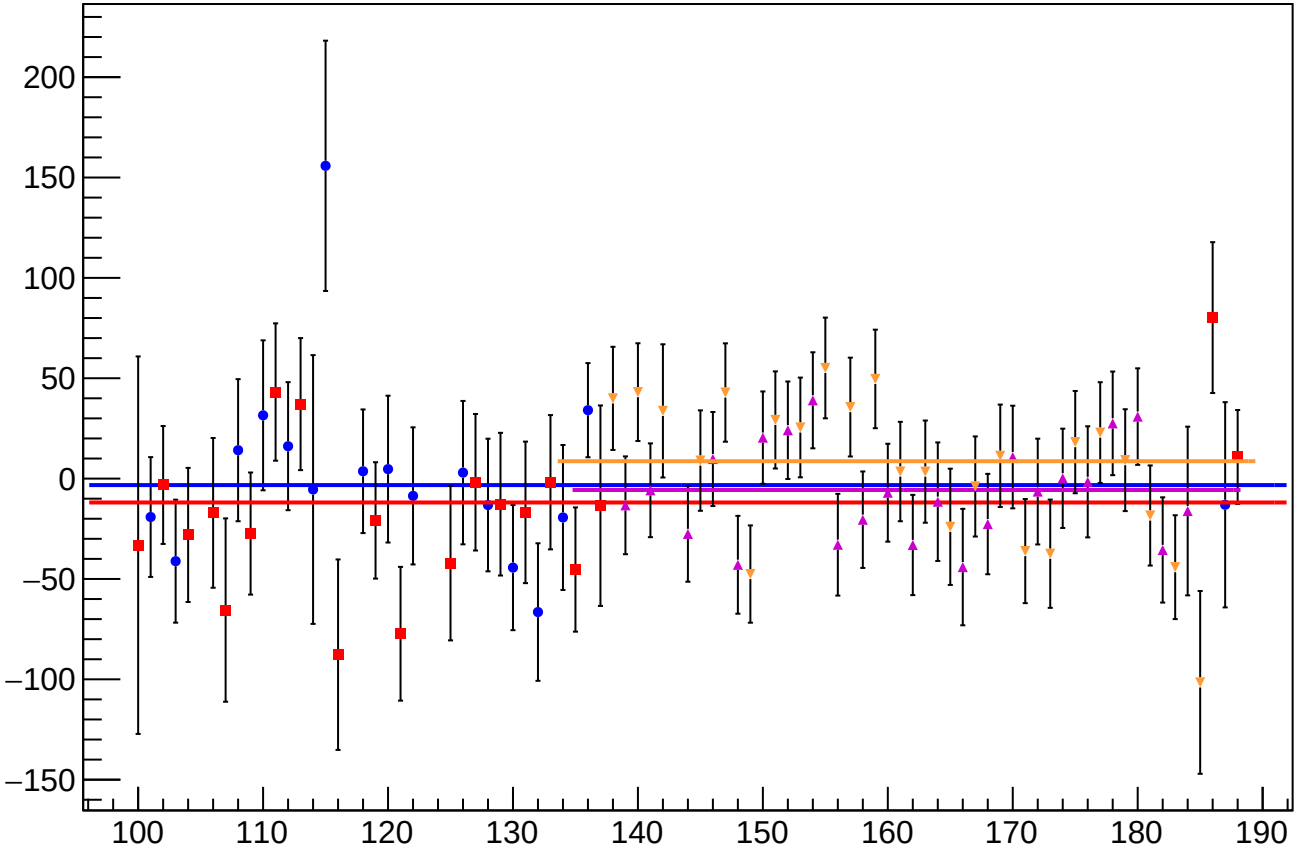
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 196.677+/-0.028 χ^2/NDF: 2798372.1/40

All: 187.797+/-0.019 χ^2/NDF: 6549387.4/83

- sign 180.415+/-0.026 χ^2/NDF: 3572529.6/42

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -3.236+/-8.341 χ^2/NDF: 18.0/16

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -11.895+/-7.722 χ^2/NDF: 22.3/19

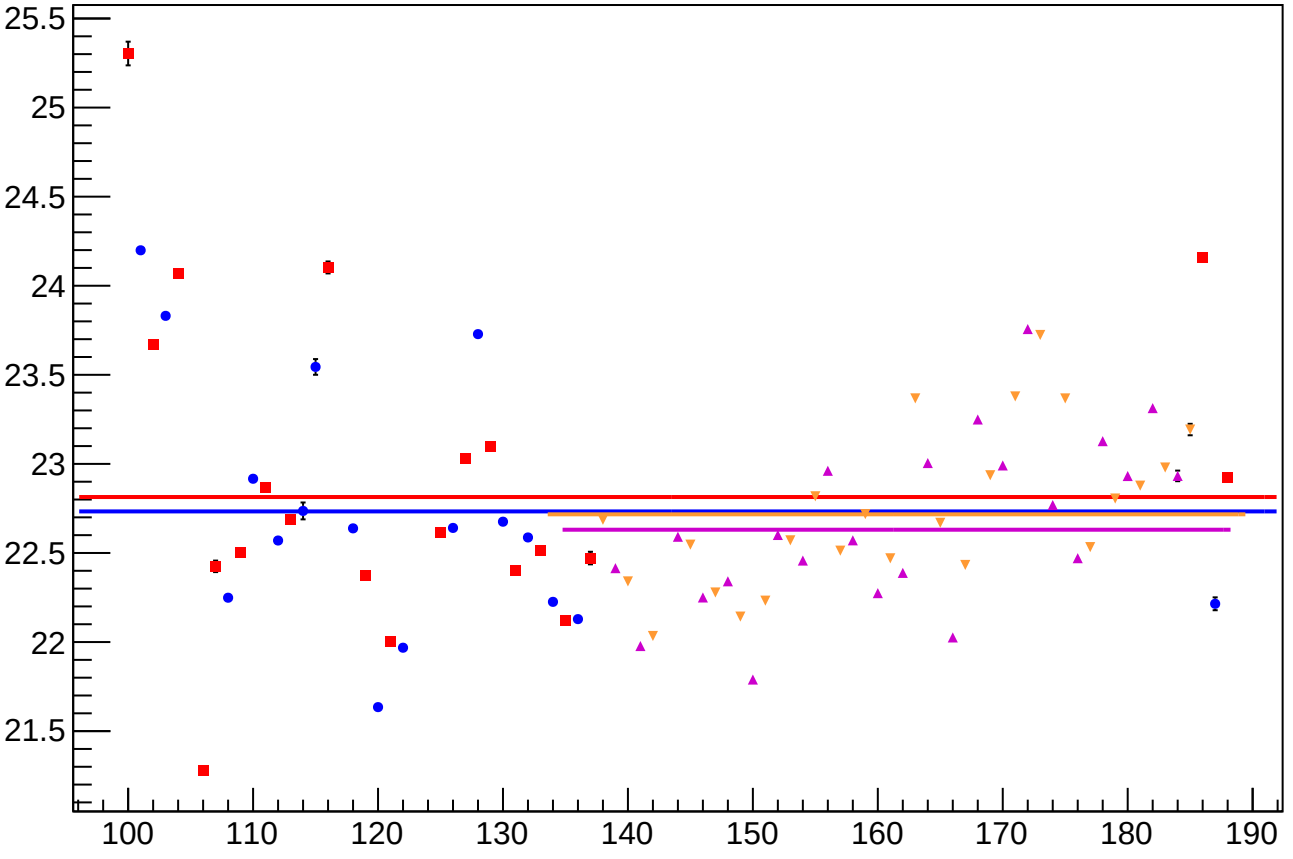
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 5.265+/-4.458 χ^2/NDF: 58.6/40

All: -1.336+/-3.118 χ^2/NDF: 106.4/83

- sign -7.655+/-4.362 χ^2/NDF: 43.5/42

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.733+/-0.006 χ^2/NDF: 14834.2/16

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.814+/-0.005 χ^2/NDF: 17185.5/19

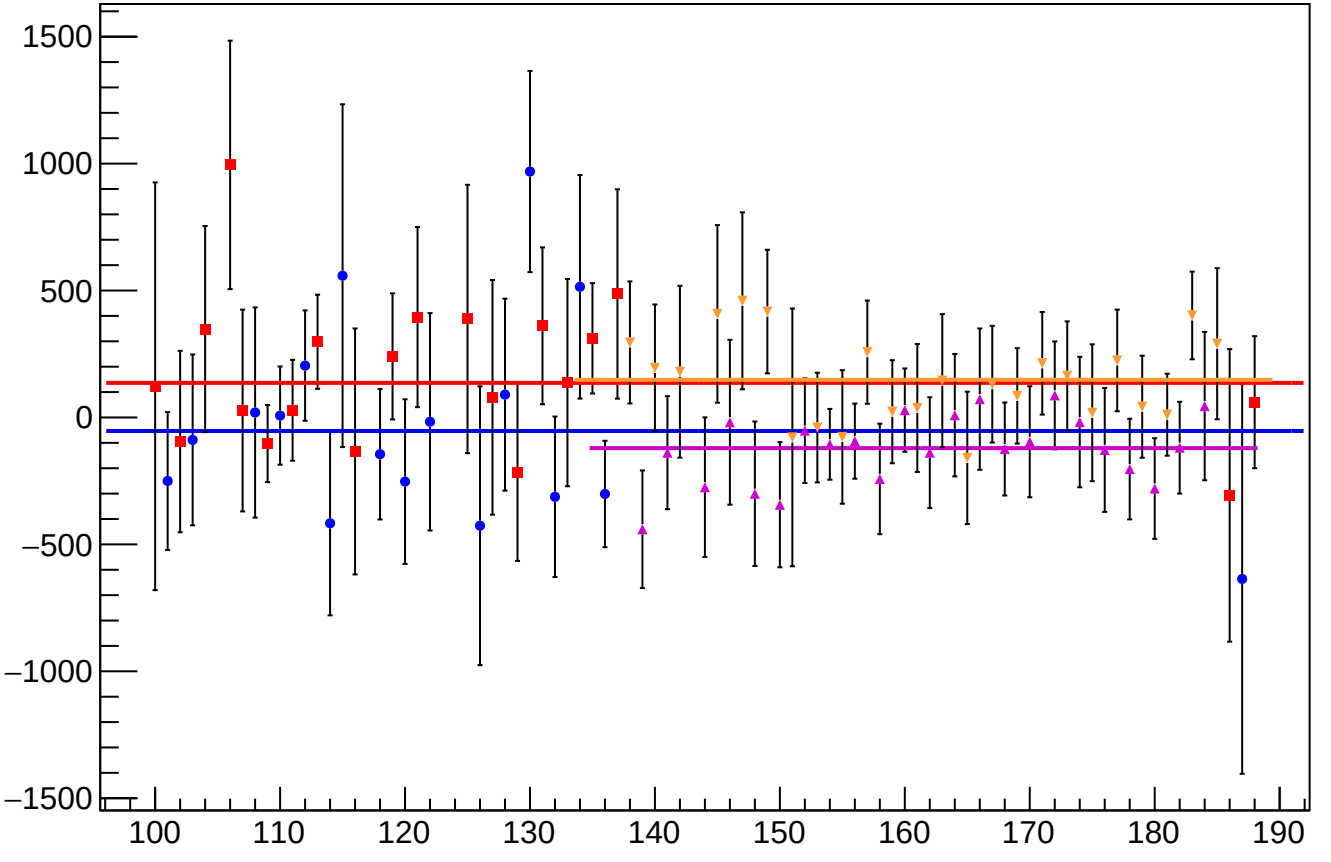
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.722+/-0.003 χ^2/NDF: 27017.1/40

All: 22.705+/-0.002 χ^2/NDF: 60417.7/83

- sign 22.689+/-0.003 χ^2/NDF: 33346.1/42

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -53.321+/-76.193 χ^2/NDF: 16.0/16

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 136.221+/-65.950 χ^2/NDF: 12.2/19

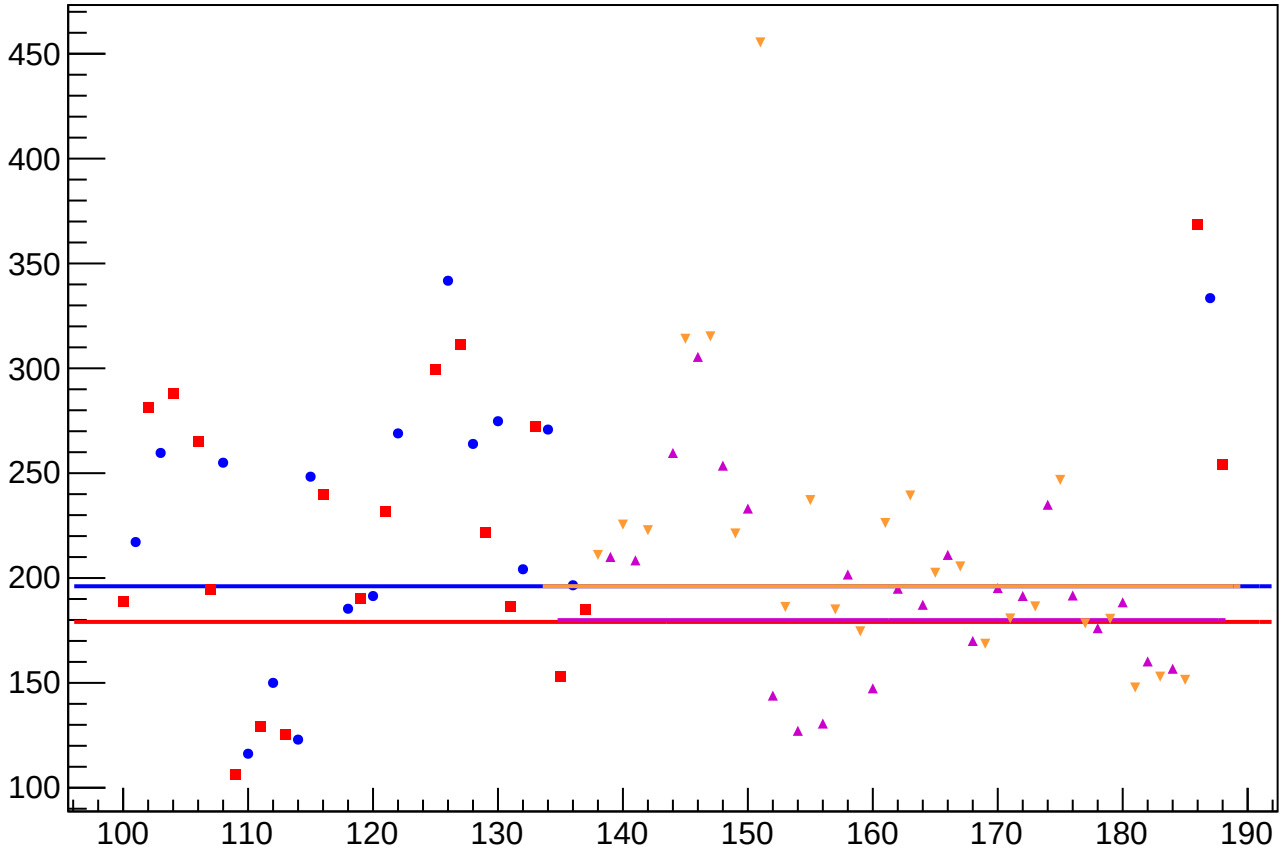
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 92.452+/-40.133 χ^2/NDF: 32.0/40

All: 19.074+/-27.025 χ^2/NDF: 68.7/83

- sign -41.805+/-36.556 χ^2/NDF: 30.6/42

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 196.075+/-0.054 χ^2/NDF: 1116996.8/16

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 179.077+/-0.047 χ^2/NDF: 2021524.7/19

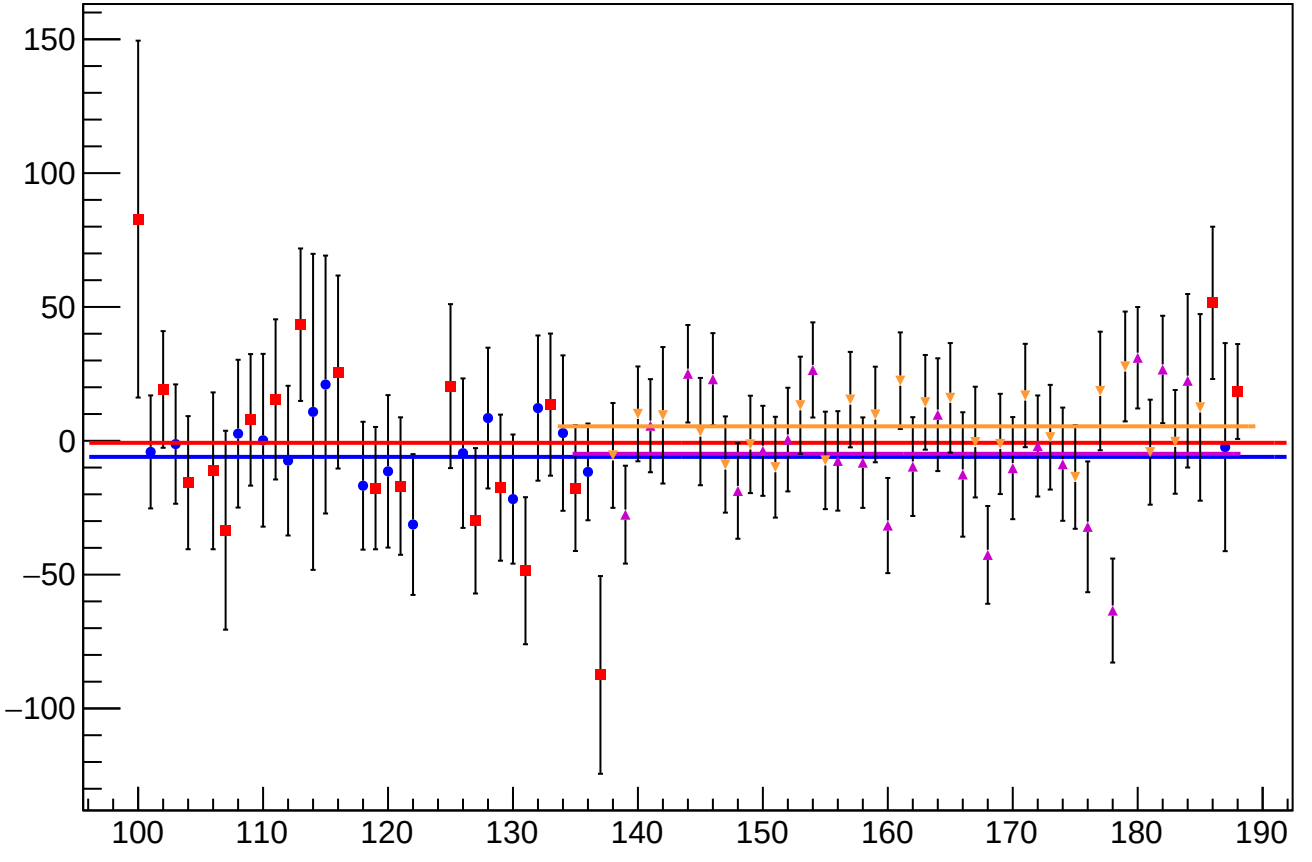
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 196.102+/-0.028 χ^2/NDF: 2843282.3/40

All: 187.117+/-0.019 χ^2/NDF: 6672576.5/83

- sign 179.663+/-0.026 χ^2/NDF: 3645897.4/42

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.014+/-6.500 χ^2/NDF: 3.1/16

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -0.755+/-6.029 χ^2/NDF: 23.9/19

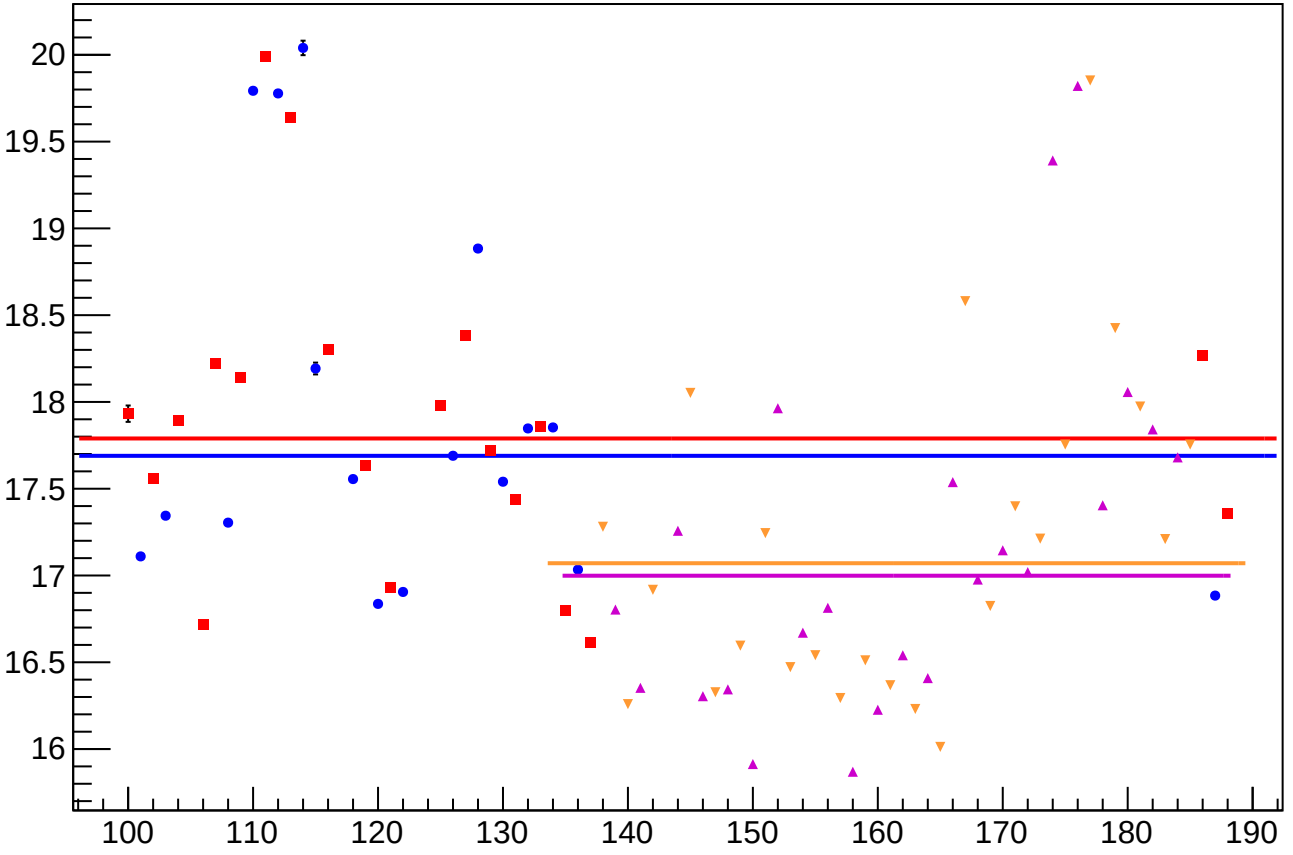
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 2.301+/-3.389 χ^2/NDF: 13.2/40

All: -0.715+/-2.372 χ^2/NDF: 74.4/83

- sign -3.613+/-3.322 χ^2/NDF: 59.7/42

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.689+/-0.005 χ^2/NDF: 36866.9/16

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

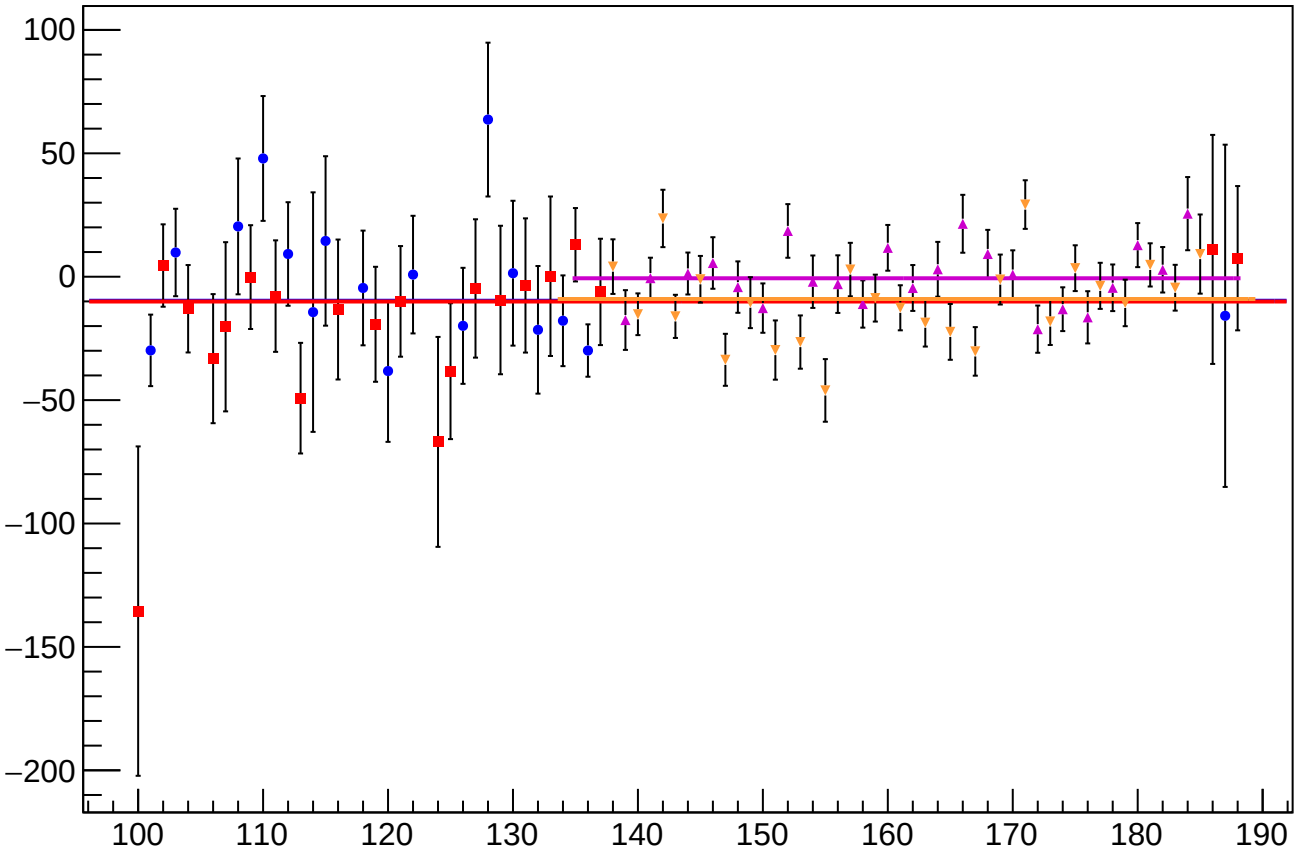
Right Out: 17.790+/-0.004 χ^2/NDF: 34305.8/19

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.239+/-0.002 χ^2/NDF: 146378.0/40

All: 17.239+/-0.002 χ^2/NDF: 308668.7/83

\- sign 17.239+/-0.002 χ^2/NDF: 162290.7/42



Right In: -9.736+/-5.217 χ^2/NDF: 22.0/16

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -10.042+/-5.309 χ^2/NDF: 14.7/20

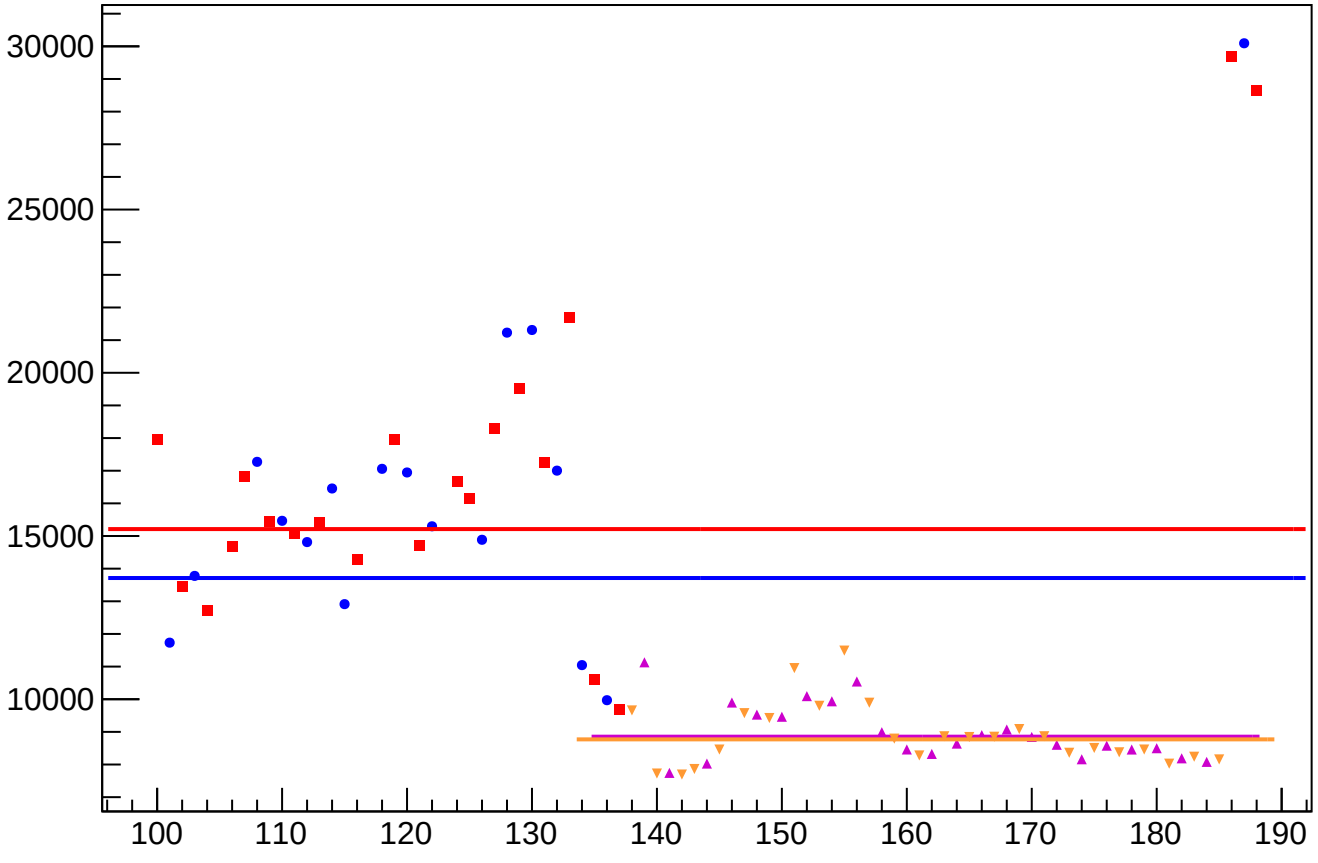
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.119+/-1.873 χ^2/NDF: 84.0/41

All: -5.620+/-1.346 χ^2/NDF: 138.1/85

- sign -1.880+/-1.936 χ^2/NDF: 46.9/43

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13713.080+/-3.689 χ^2/NDF: 859231.2/16

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 15212.204+/-3.754 χ^2/NDF: 1201344.9/20

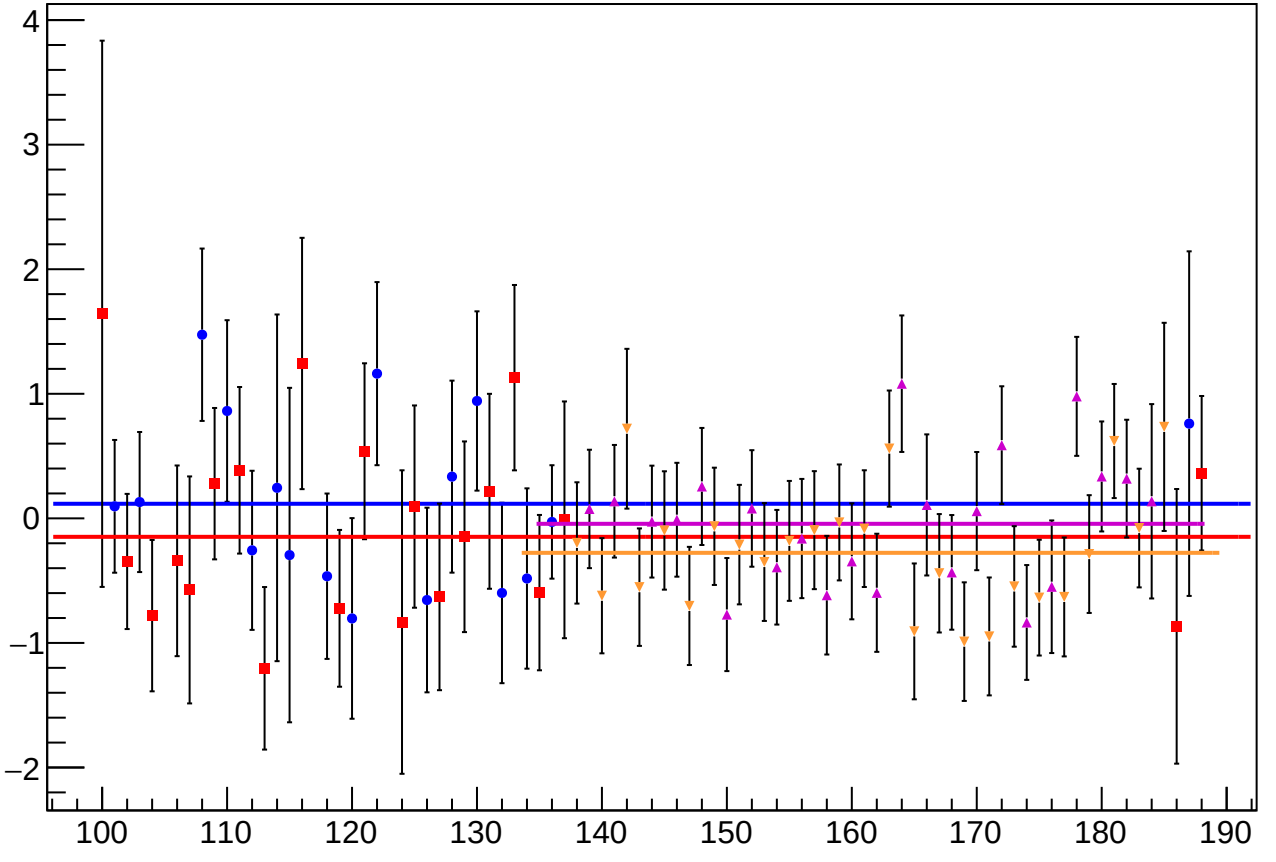
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9407.318+/-1.324 χ^2/NDF: 2768560.8/41

All: 9548.027+/-0.952 χ^2/NDF: 6780789.7/85

- sign 9698.426+/-1.369 χ^2/NDF: 3988868.8/43

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.117+/-0.170 χ^2/NDF: 13.9/16

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.148+/-0.162 χ^2/NDF: 15.2/20

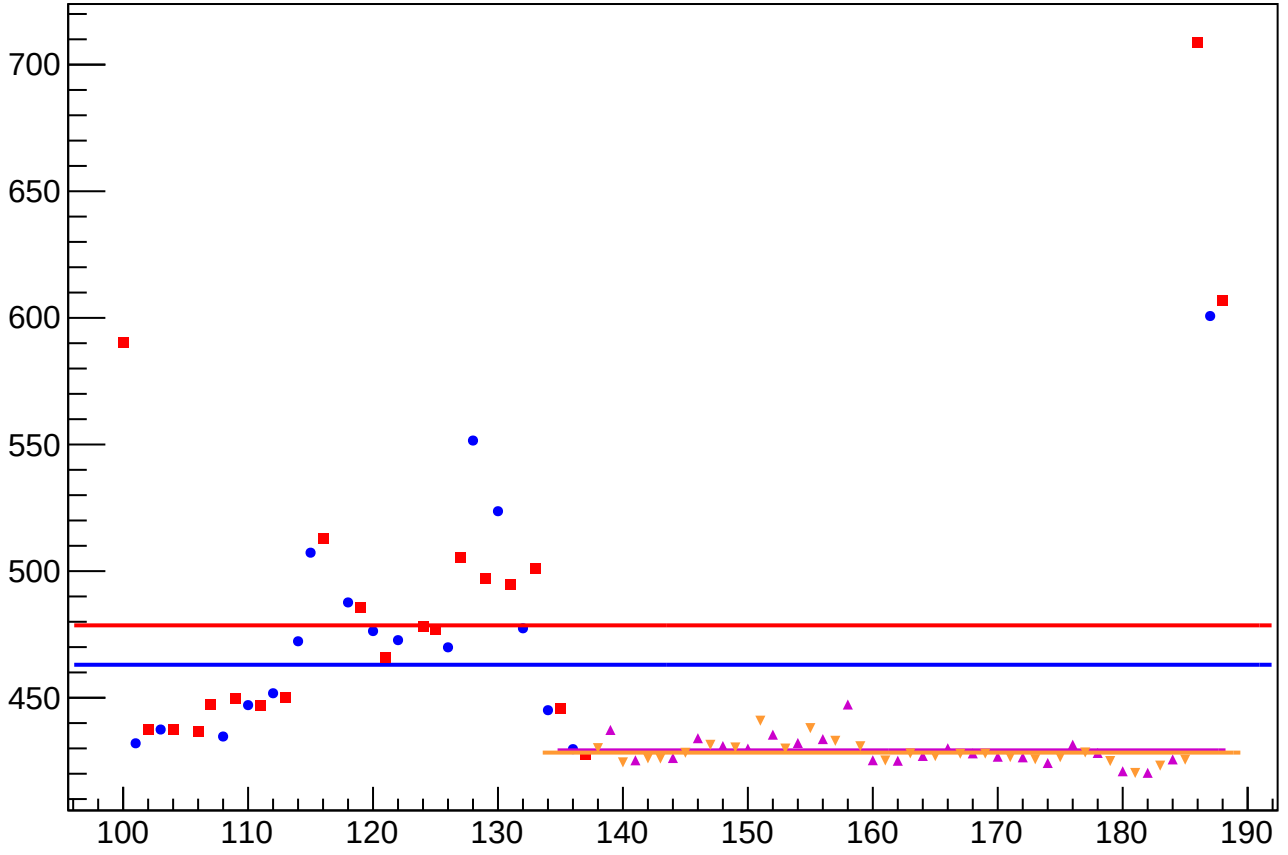
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.180+/-0.084 χ^2/NDF: 39.0/41

All: -0.127+/-0.060 χ^2/NDF: 79.1/85

- sign -0.073+/-0.085 χ^2/NDF: 39.3/43

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 463.028+/-0.120 χ^2/NDF: 95059.1/16

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 478.588+/-0.114 χ^2/NDF: 240619.3/20

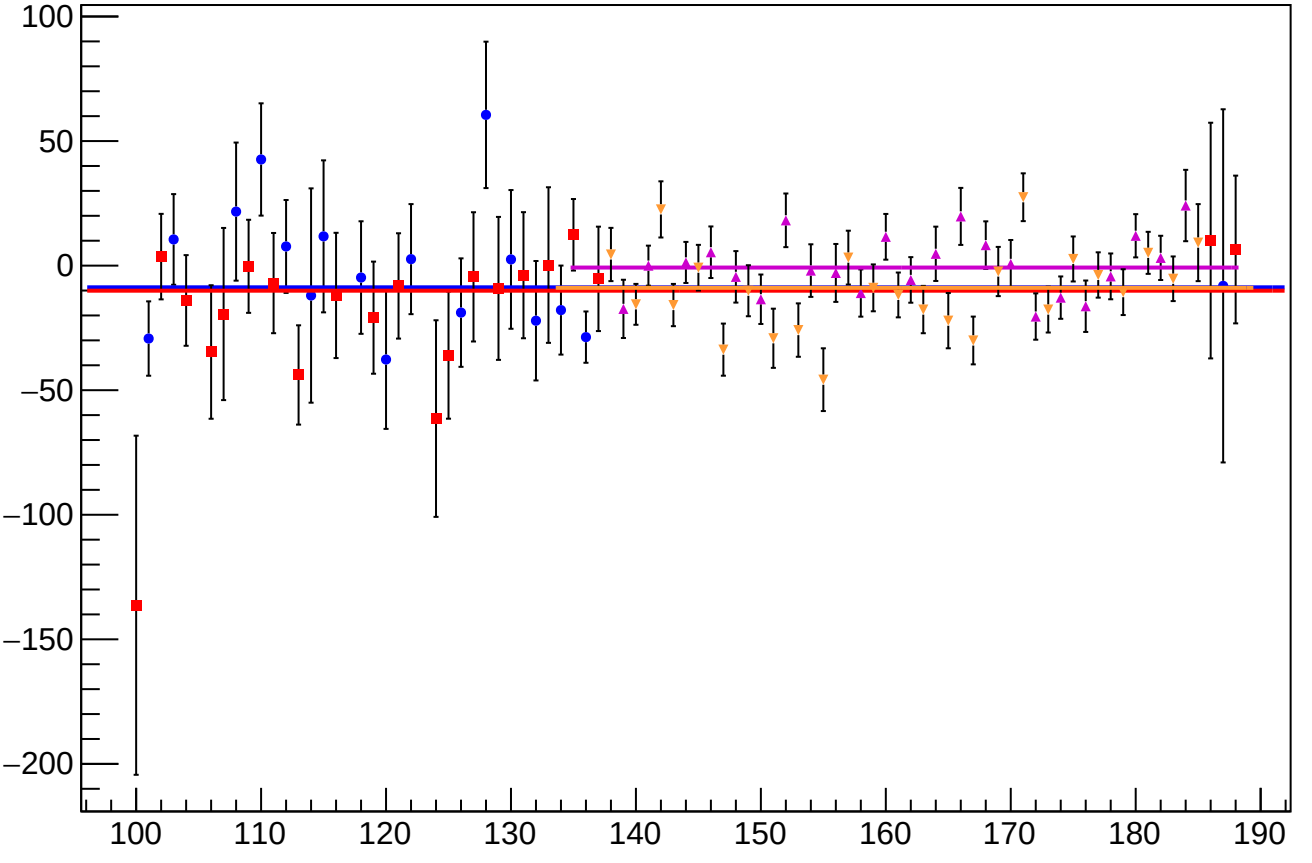
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 436.872+/-0.060 χ^2/NDF: 161566.8/41

All: 439.878+/-0.042 χ^2/NDF: 548702.5/85

- sign 442.932+/-0.060 χ^2/NDF: 382033.9/43

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -8.705+/-5.023 χ^2/NDF: 22.3/16

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -10.058+/-5.084 χ^2/NDF: 14.4/20

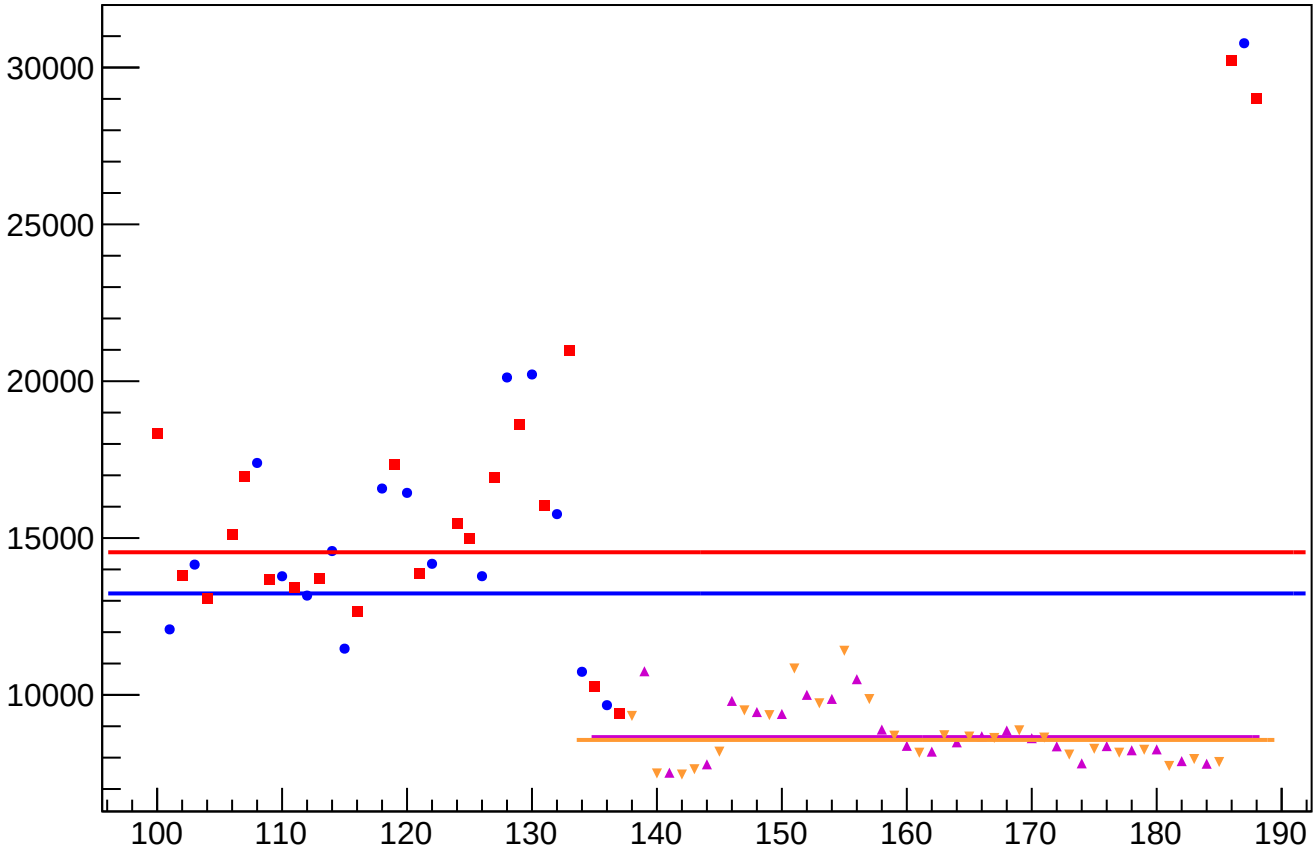
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -8.878+/-1.827 χ^2/NDF: 83.8/41

All: -5.579+/-1.313 χ^2/NDF: 137.1/85

- sign -2.054+/-1.888 χ^2/NDF: 46.6/43

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13234.377+/-3.552 χ^2/NDF: 805694.2/16

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 14547.180+/-3.595 χ^2/NDF: 1236765.2/20

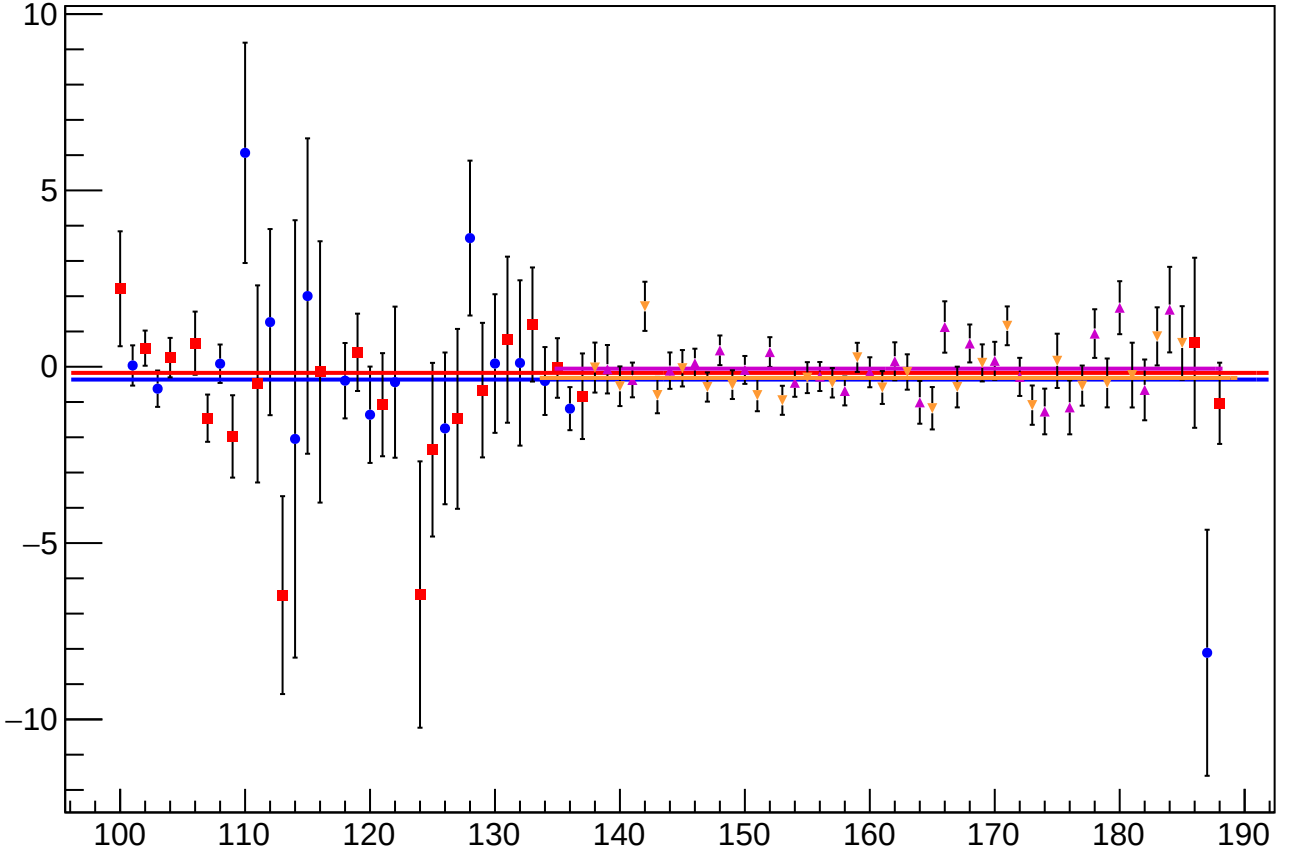
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9181.950+/-1.292 χ^2/NDF: 2706430.8/41

All: 9319.876+/-0.928 χ^2/NDF: 6628574.4/85

- sign 9467.291+/-1.335 χ^2/NDF: 3898552.6/43

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.364+/-0.244 χ^2/NDF: 17.5/16

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.174+/-0.238 χ^2/NDF: 23.2/20

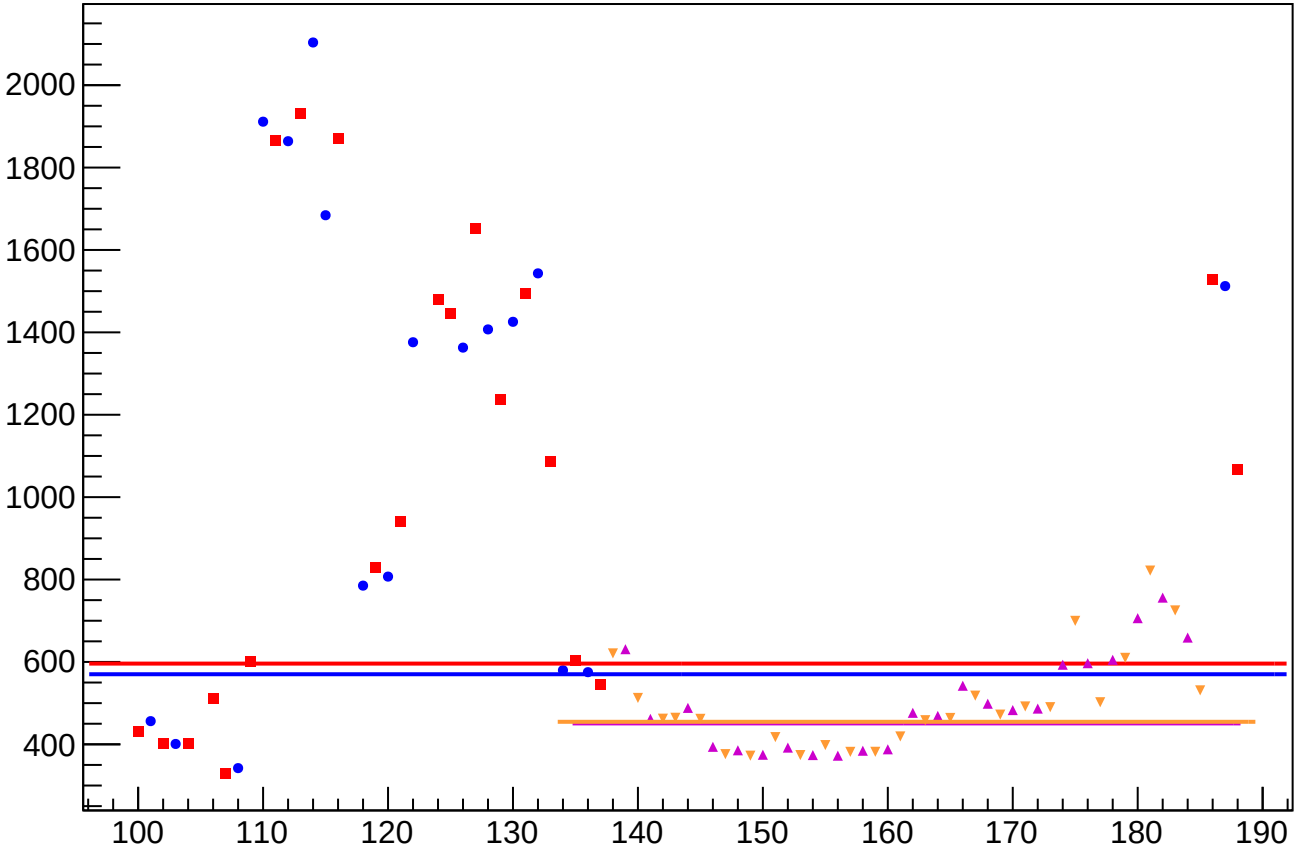
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.325+/-0.097 χ^2/NDF: 49.8/41

All: -0.201+/-0.069 χ^2/NDF: 106.3/85

- sign -0.075+/-0.098 χ^2/NDF: 53.2/43

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 570.144+/-0.172 χ^2/NDF: 3597124.9/16

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 595.975+/-0.168 χ^2/NDF: 4236201.8/20

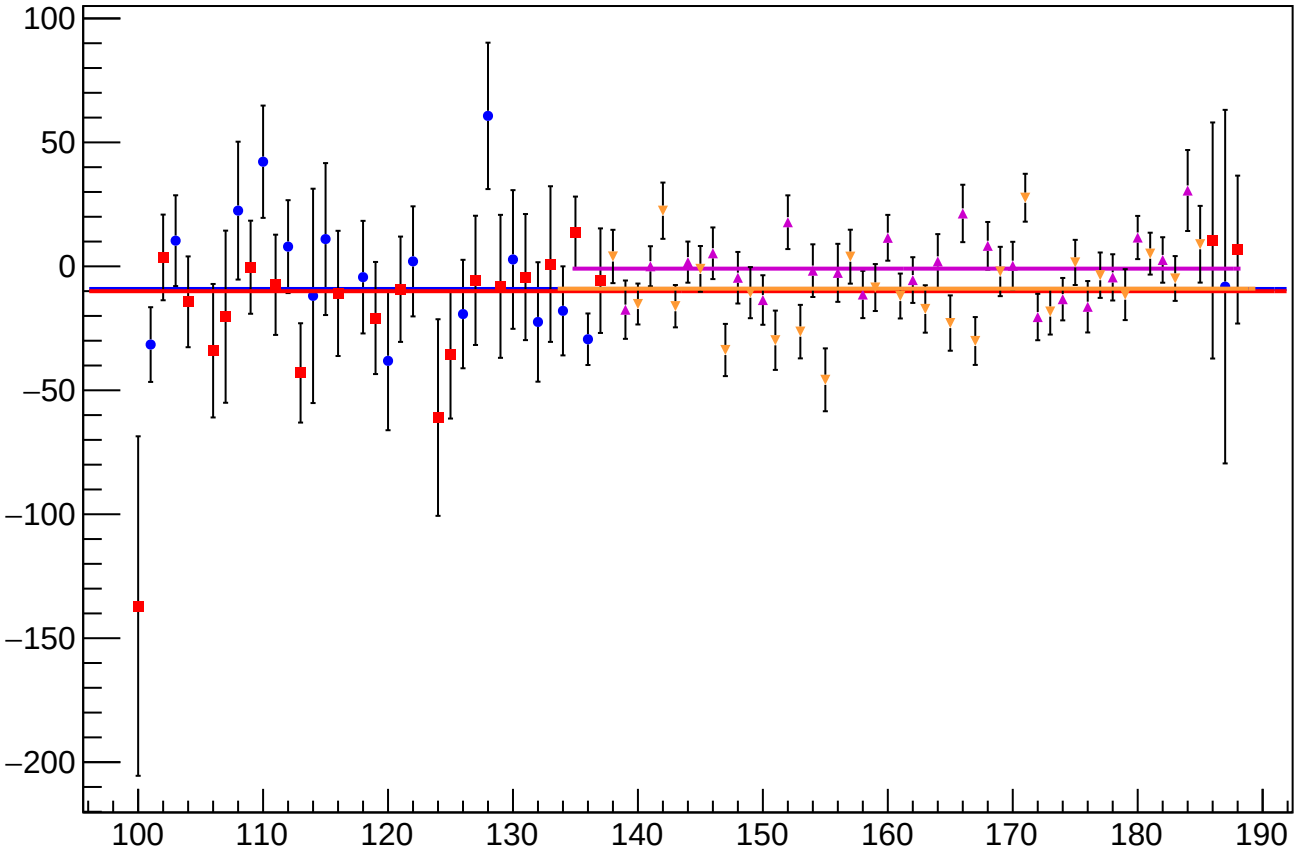
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 473.078+/-0.069 χ^2/NDF: 5426389.1/41

All: 474.340+/-0.049 χ^2/NDF: 11752377.8/85

- sign 475.635+/-0.070 χ^2/NDF: 6325305.4/43

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -9.126+/-5.056 χ^2/NDF: 22.7/16

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

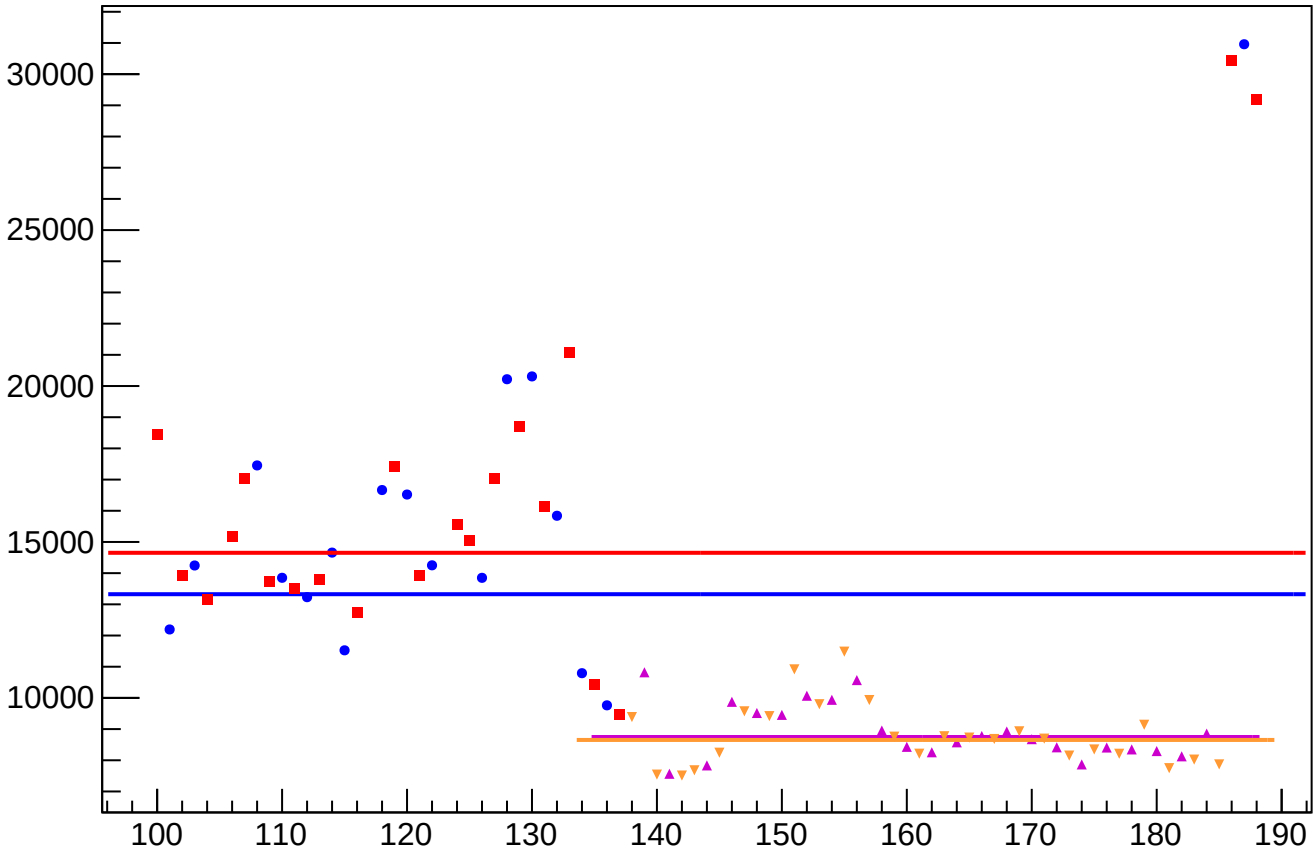
Right Out: -10.026+/-5.119 χ^2/NDF: 14.2/20

Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -9.017+/-1.845 χ^2/NDF: 84.0/41

All: -5.717+/-1.326 χ^2/NDF: 137.4/85

- sign -2.189+/-1.908 χ^2/NDF: 46.8/43



Right In: 13324.942+/-3.575 χ^2/NDF: 796808.4/16

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

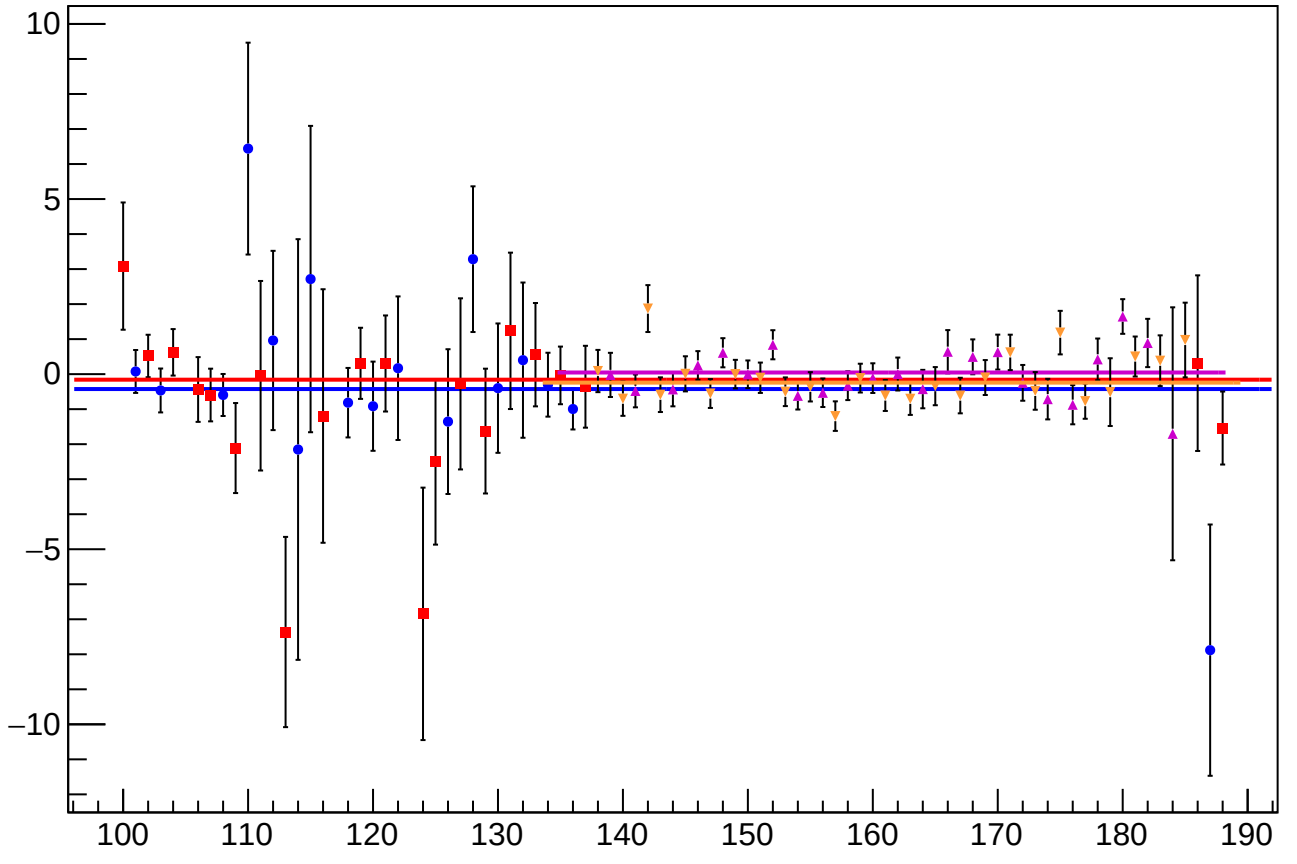
Right Out: 14652.600+/-3.620 χ^2/NDF: 1222787.4/20

Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9274.106+/-1.305 χ^2/NDF: 2682964.5/41

All: 9415.328+/-0.938 χ^2/NDF: 6554003.9/85

- sign 9566.270+/-1.349 χ^2/NDF: 3846800.8/43



Right In: -0.426+/-0.255 χ^2/NDF: 16.0/16

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.158+/-0.255 χ^2/NDF: 23.6/20

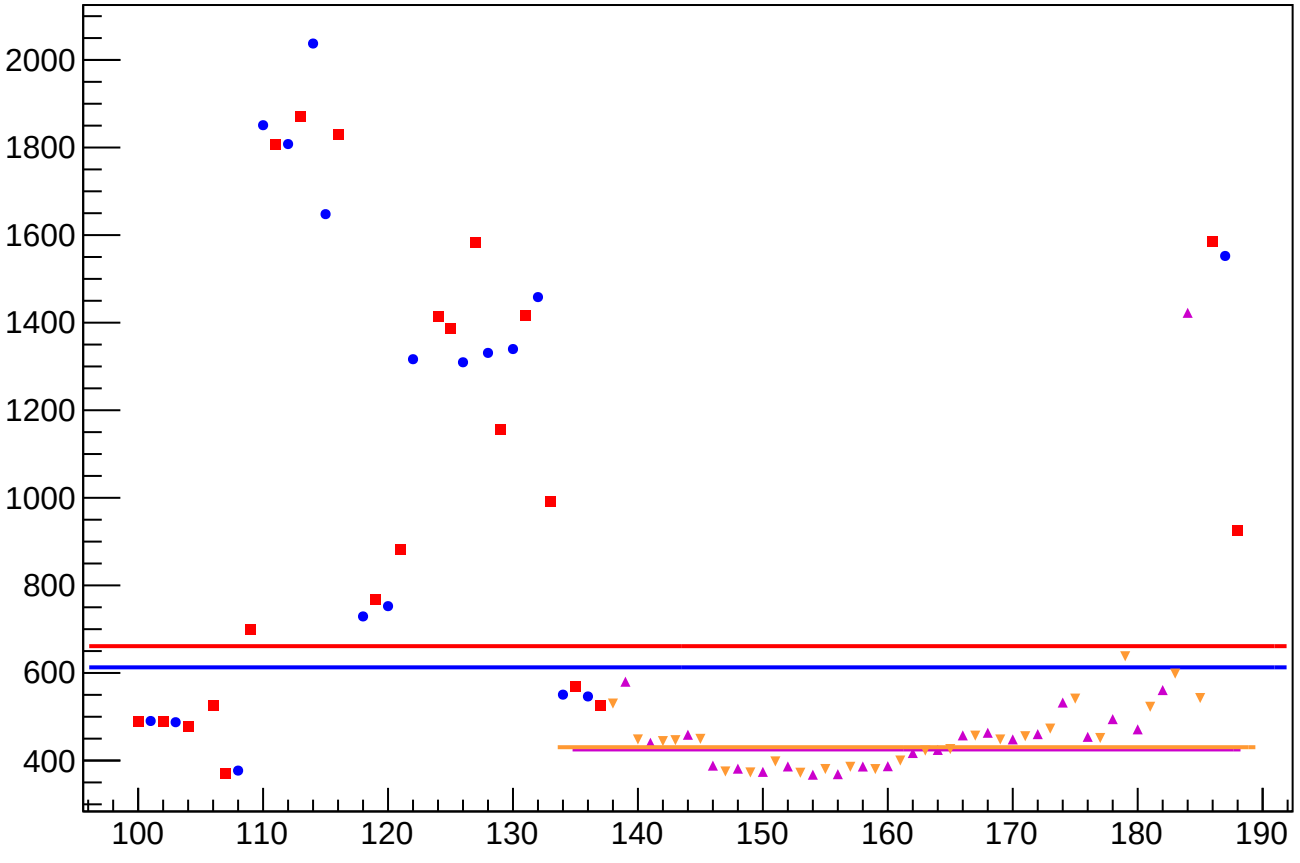
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.267+/-0.093 χ^2/NDF: 50.7/41

All: -0.126+/-0.066 χ^2/NDF: 114.6/85

- sign 0.019+/-0.094 χ^2/NDF: 59.2/43

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 612.834+/-0.180 χ^2/NDF: 2990557.5/16

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

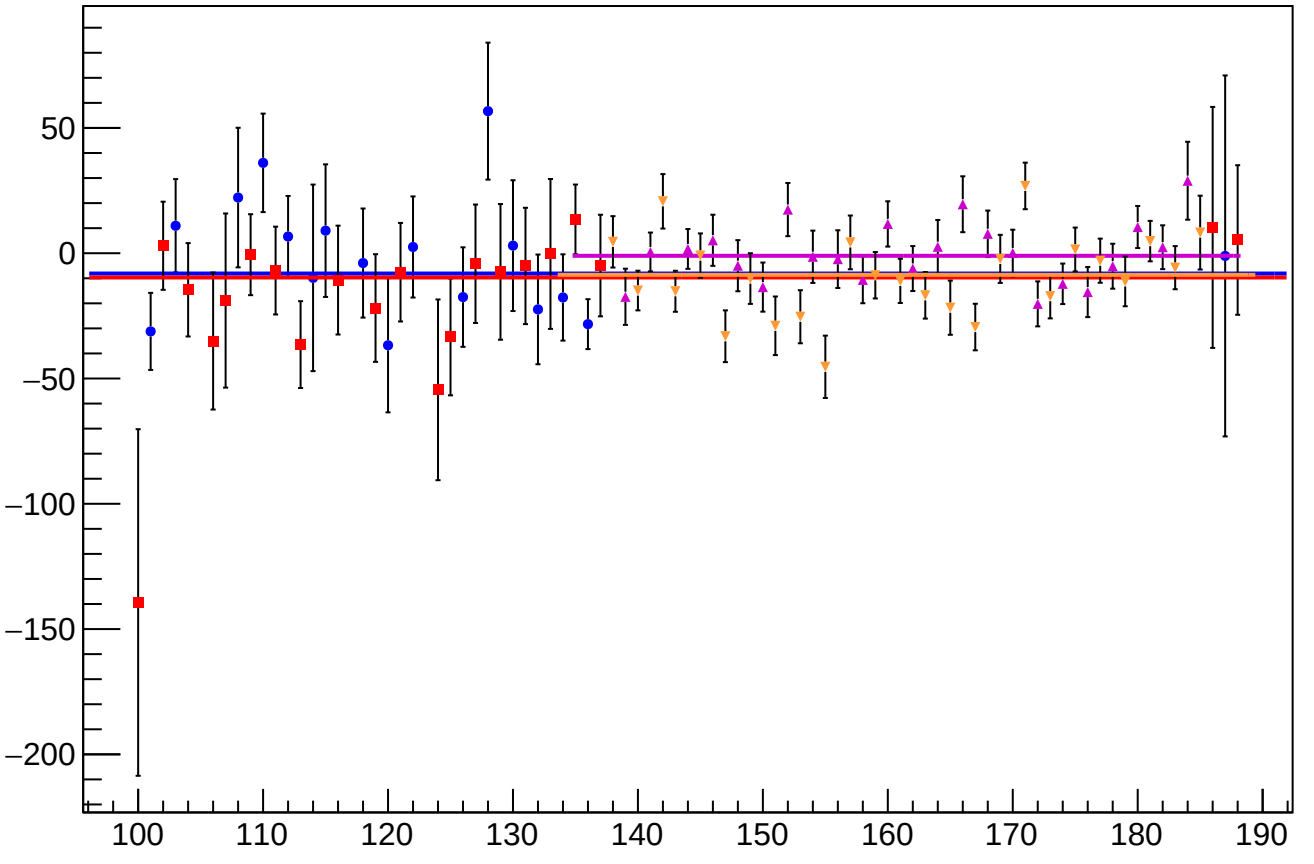
Right Out: 661.209+/-0.180 χ^2/NDF: 3210587.2/20

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 454.828+/-0.066 χ^2/NDF: 4524716.2/41

All: 456.201+/-0.047 χ^2/NDF: 9929654.6/85

- sign 457.607+/-0.067 χ^2/NDF: 5404061.0/43



Right In: -8.101+/-4.769 χ^2/NDF: 23.1/16

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: -9.684+/-4.786 χ^2/NDF: 14.1/20

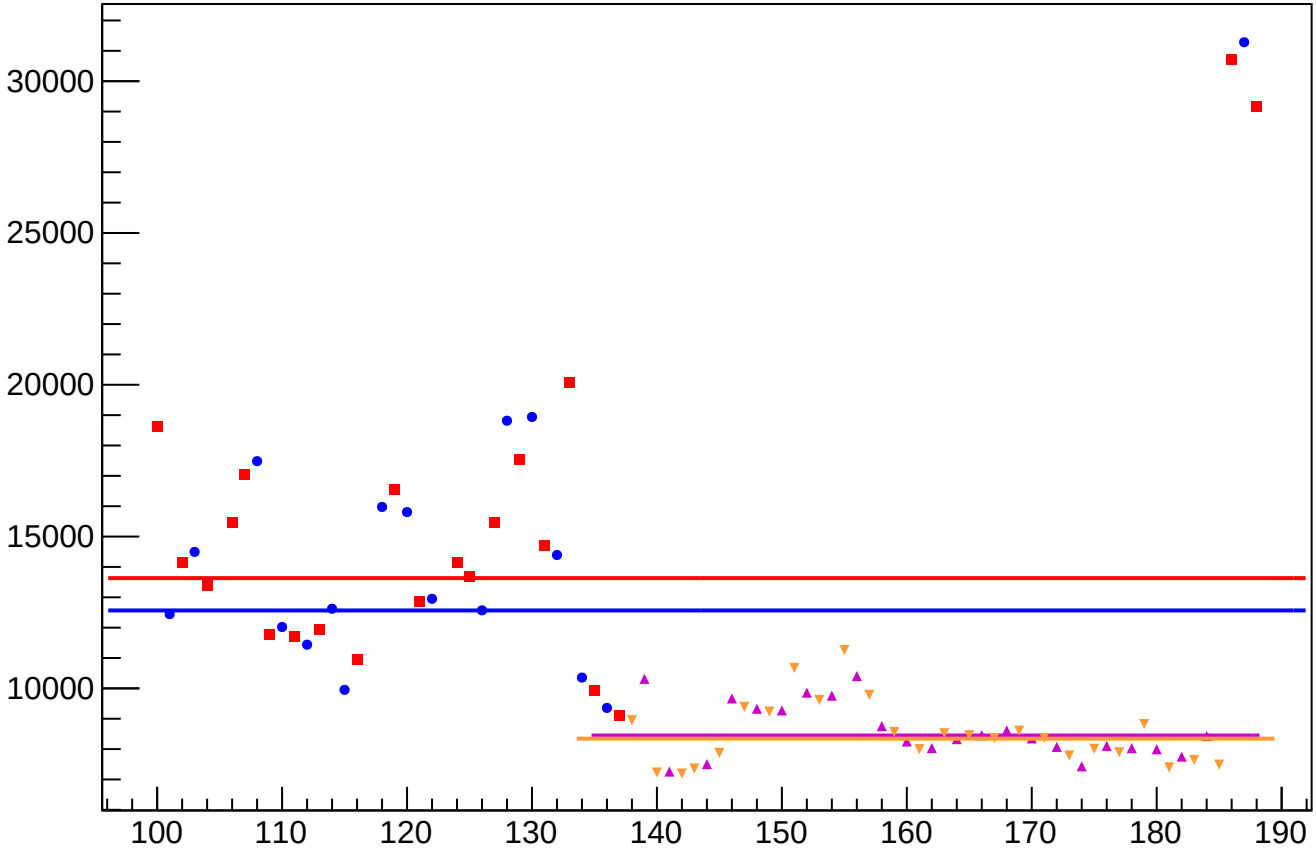
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.550+/-1.775 χ^2/NDF: 84.8/41

All: -5.528+/-1.276 χ^2/NDF: 137.4/85

- sign -2.299+/-1.835 χ^2/NDF: 46.7/43

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12566.338+/-3.372 χ^2/NDF: 807181.6/16

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 13630.740+/-3.384 χ^2/NDF: 1367653.0/20

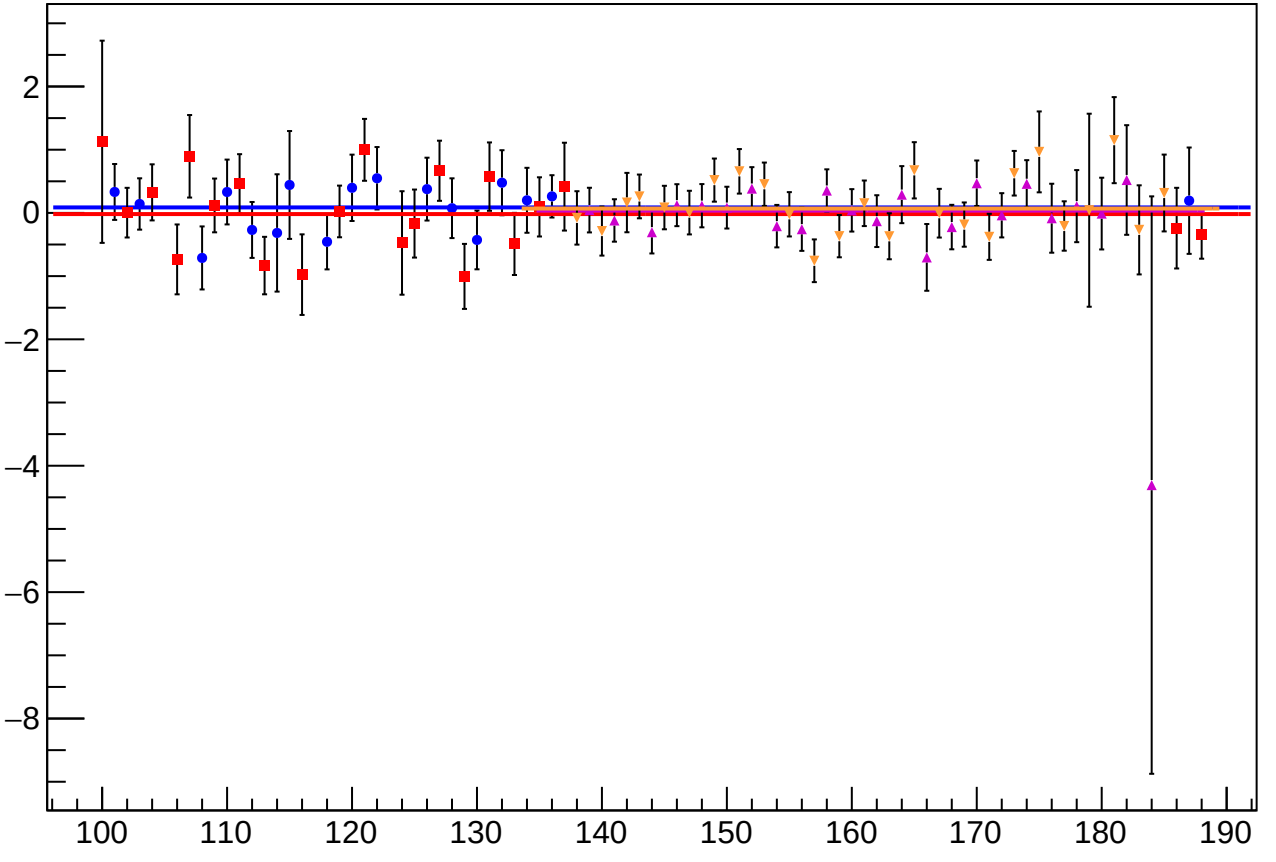
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 8929.605+/-1.255 χ^2/NDF: 2626879.2/41

All: 9064.555+/-0.902 χ^2/NDF: 6402084.1/85

- sign 9208.675+/-1.297 χ^2/NDF: 3751311.5/43

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.087+/-0.119 χ^2/NDF: 9.4/16

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: -0.018+/-0.111 χ^2/NDF: 25.3/20

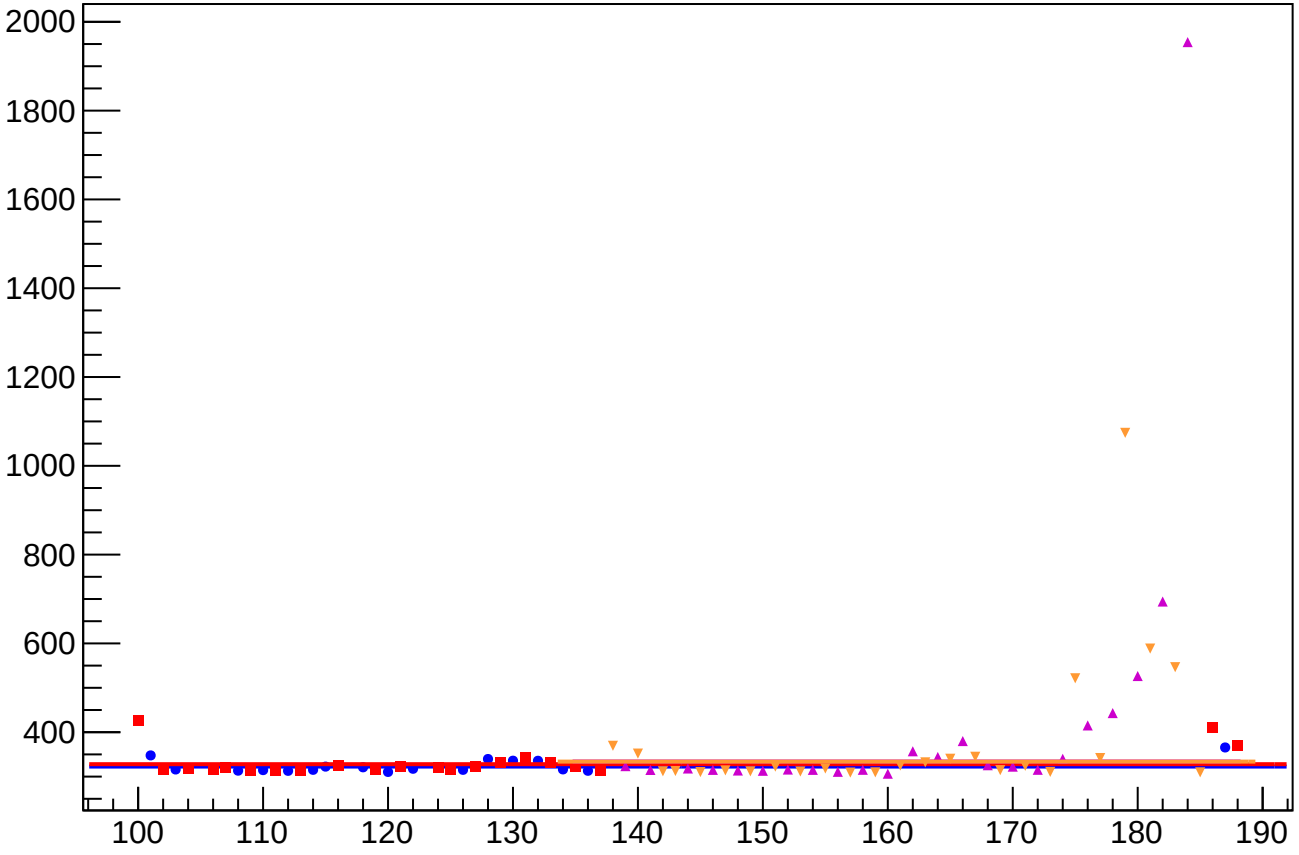
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.075+/-0.066 χ^2/NDF: 37.6/41

All: 0.046+/-0.046 χ^2/NDF: 75.1/85

- sign 0.018+/-0.065 χ^2/NDF: 37.1/43

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 322.605+/-0.084 χ^2/NDF: 23551.2/16

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 327.978+/-0.078 χ^2/NDF: 81776.7/20

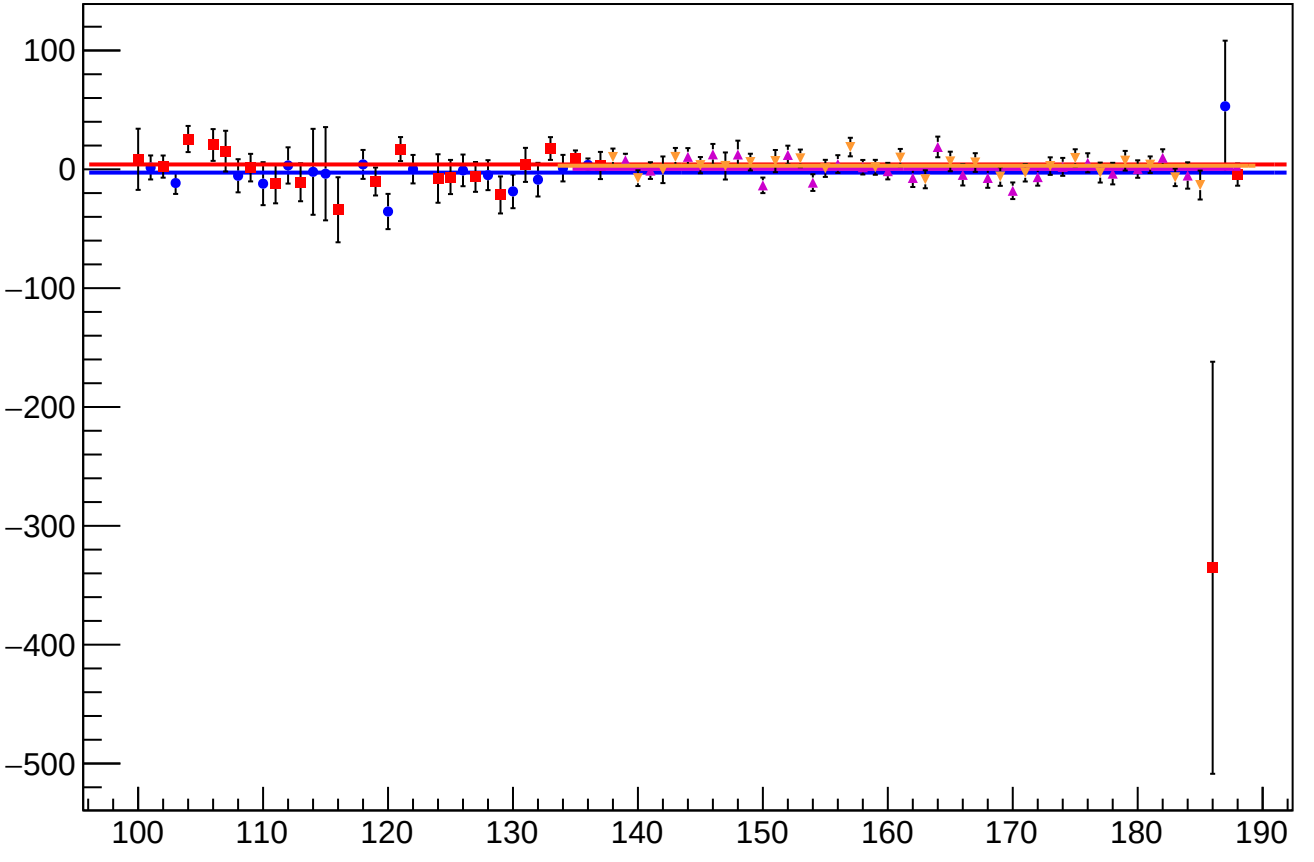
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 330.359+/-0.047 χ^2/NDF: 1253059.9/41

All: 331.128+/-0.033 χ^2/NDF: 2390202.7/85

- sign 331.885+/-0.046 χ^2/NDF: 1136600.9/43

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.767+/-2.906 χ^2/NDF: 10.9/16

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: 4.092+/-2.702 χ^2/NDF: 24.2/20

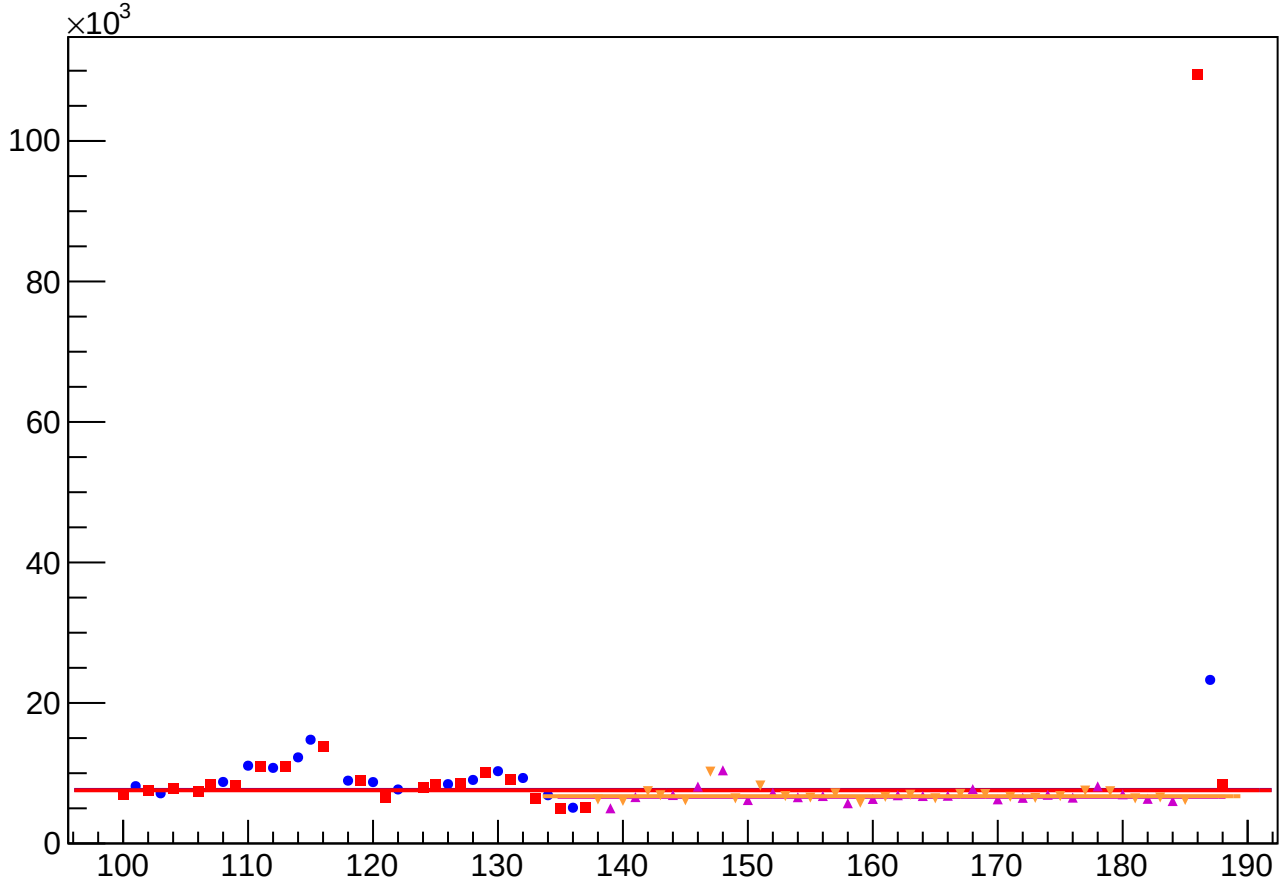
Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.752+/-1.362 χ^2/NDF: 34.3/41

All: 1.522+/-0.961 χ^2/NDF: 93.8/85

- sign 1.294+/-1.356 χ^2/NDF: 59.4/43

diff_bpm_4aY_4acY_avg_rms vs Slug



Right In: 7616.716+/-2.055 χ^2/NDF: 1059158.2/16

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 7571.714+/-1.911 χ^2/NDF: 1537966.2/20

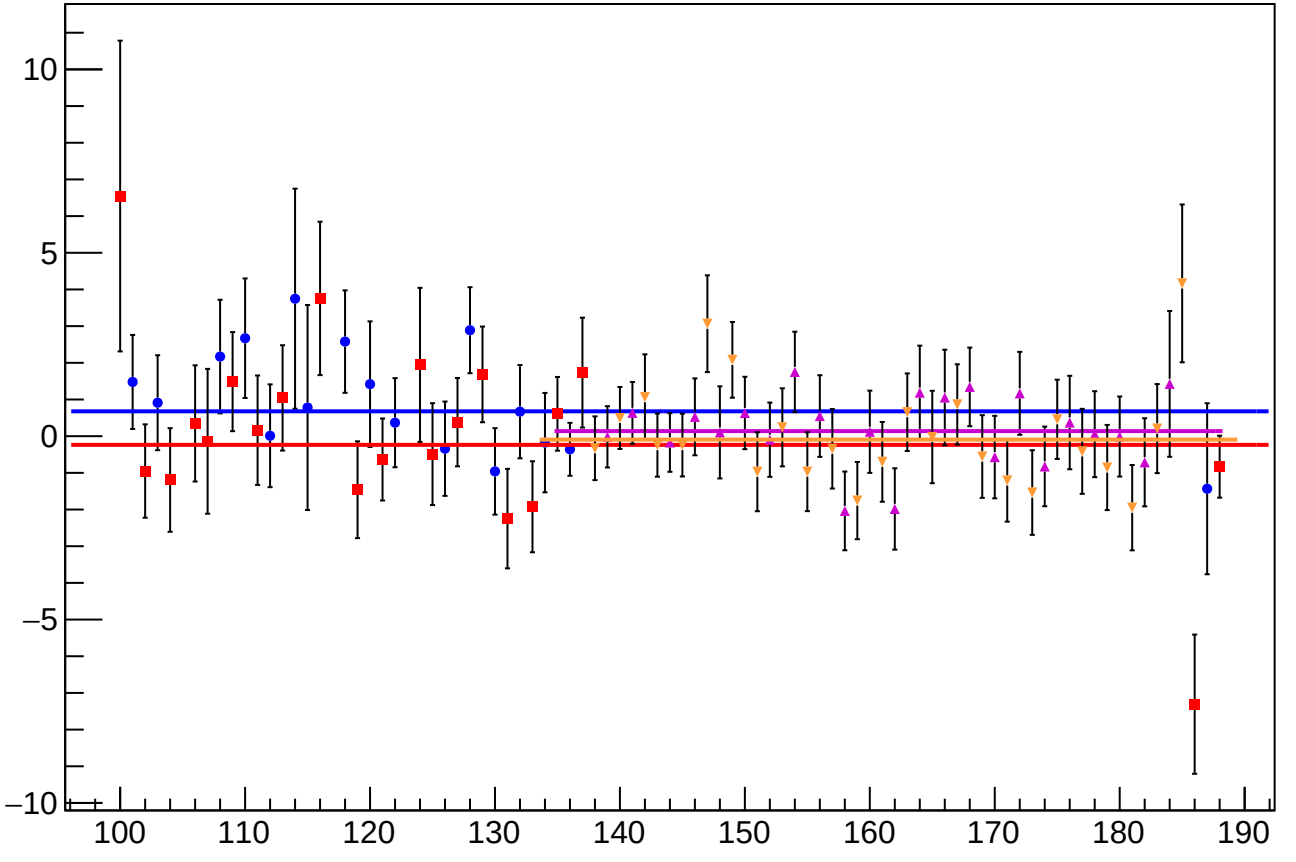
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6919.238+/-0.963 χ^2/NDF: 1610078.8/41

All: 6894.163+/-0.680 χ^2/NDF: 3959506.5/85

- sign 6869.288+/-0.959 χ^2/NDF: 2348077.2/43

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.678+/-0.323 χ^2/NDF: 15.6/16

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.237+/-0.298 χ^2/NDF: 35.0/20

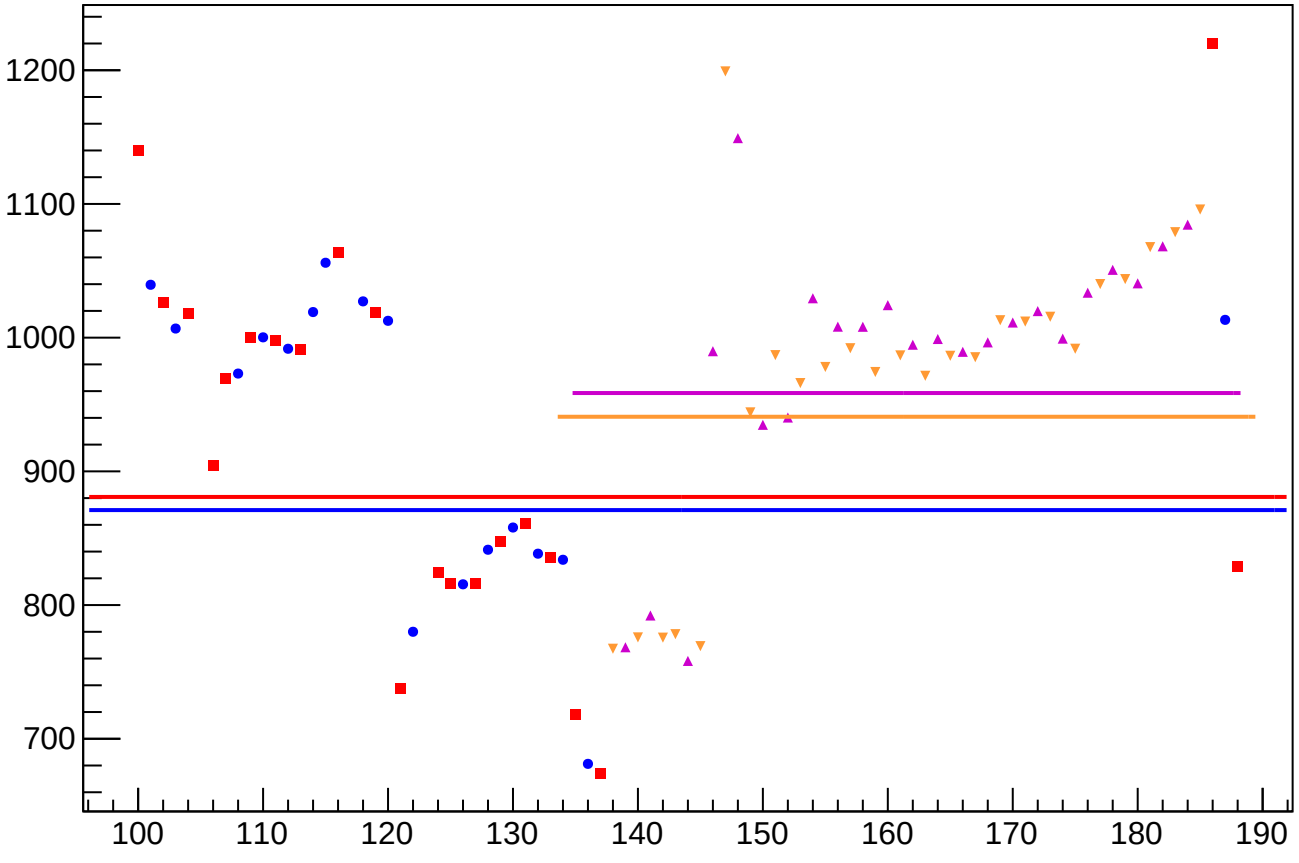
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.143+/-0.179 χ^2/NDF: 46.9/41

All: 0.073+/-0.127 χ^2/NDF: 99.7/85

- sign 0.002+/-0.180 χ^2/NDF: 52.5/43

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 871.033+/-0.228 χ^2/NDF: 310003.2/16

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 880.868+/-0.211 χ^2/NDF: 344119.7/20

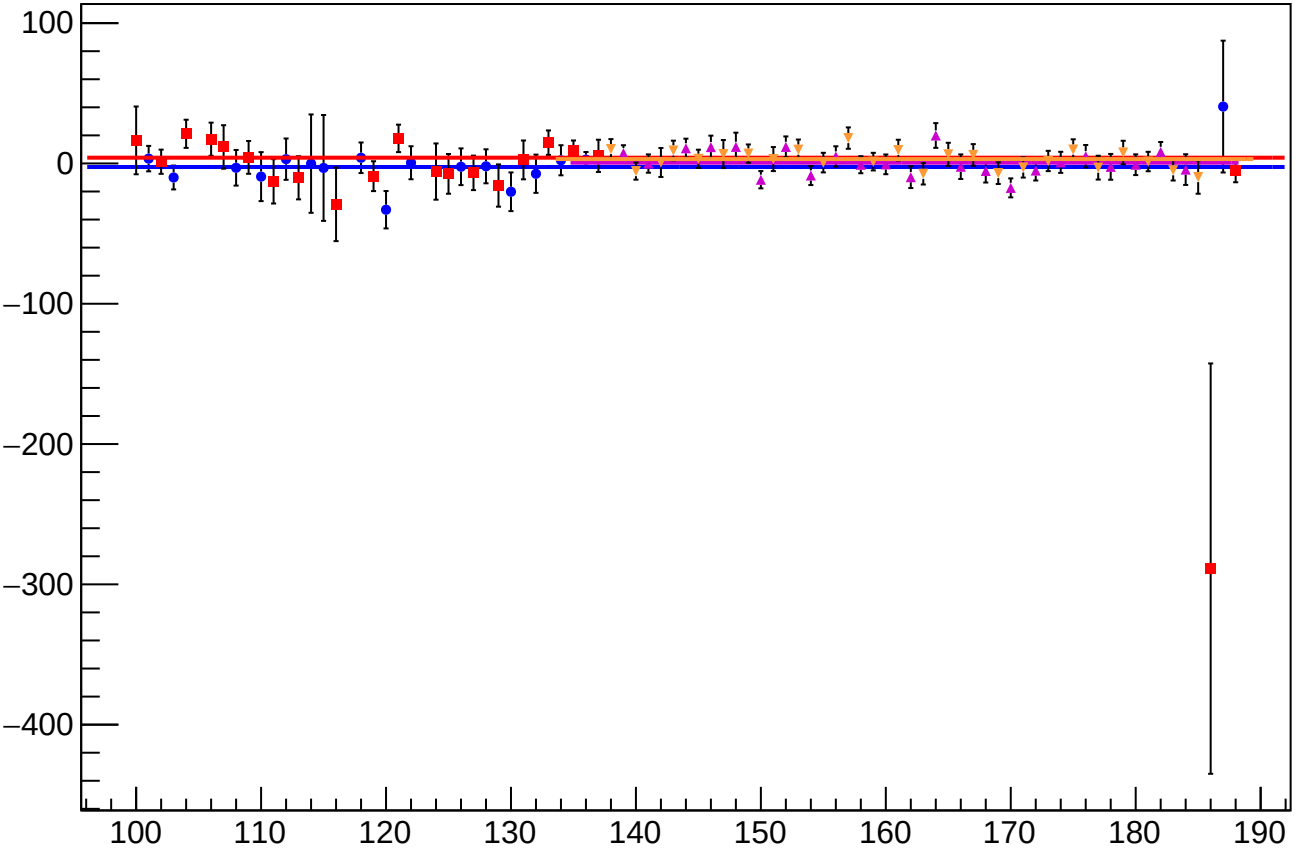
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 919.338+/-0.127 χ^2/NDF: 943511.7/41

All: 924.818+/-0.090 χ^2/NDF: 1834650.7/85

- sign 930.337+/-0.127 χ^2/NDF: 887383.1/43

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.532+/-2.783 χ^2/NDF: 10.9/16

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 4.107+/-2.564 χ^2/NDF: 22.6/20

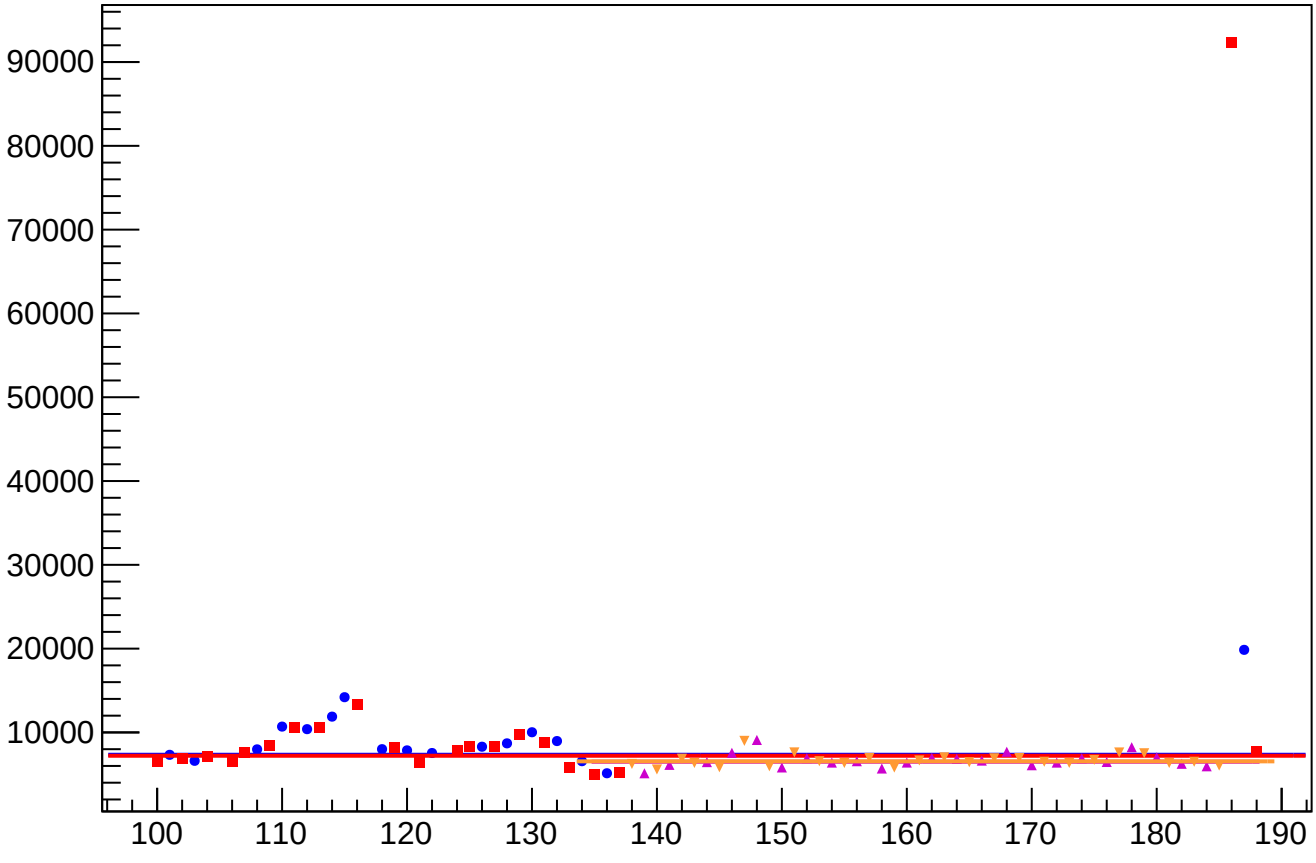
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 1.832+/-1.321 χ^2/NDF: 32.7/41

All: 1.648+/-0.932 χ^2/NDF: 88.8/85

- sign 1.466+/-1.317 χ^2/NDF: 56.0/43

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7334.351+/-1.968 χ^2/NDF: 913076.2/16

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 7217.596+/-1.813 χ^2/NDF: 1480123.9/20

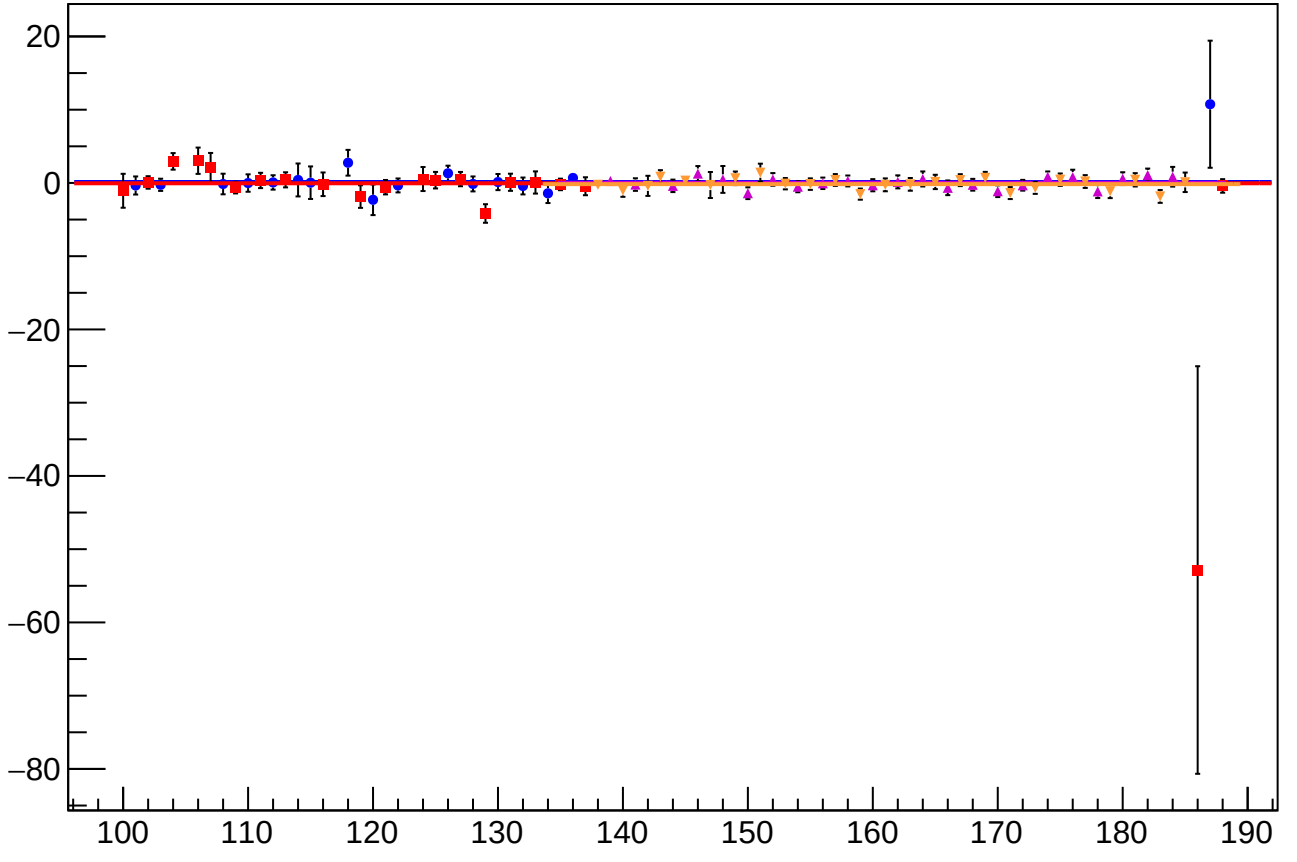
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6725.724+/-0.934 χ^2/NDF: 1402568.6/41

All: 6709.351+/-0.659 χ^2/NDF: 3512538.6/85

- sign 6693.070+/-0.931 χ^2/NDF: 2109356.9/43

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: 0.128+/-0.273 χ^2/NDF: 9.6/16

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.046+/-0.253 χ^2/NDF: 28.9/20

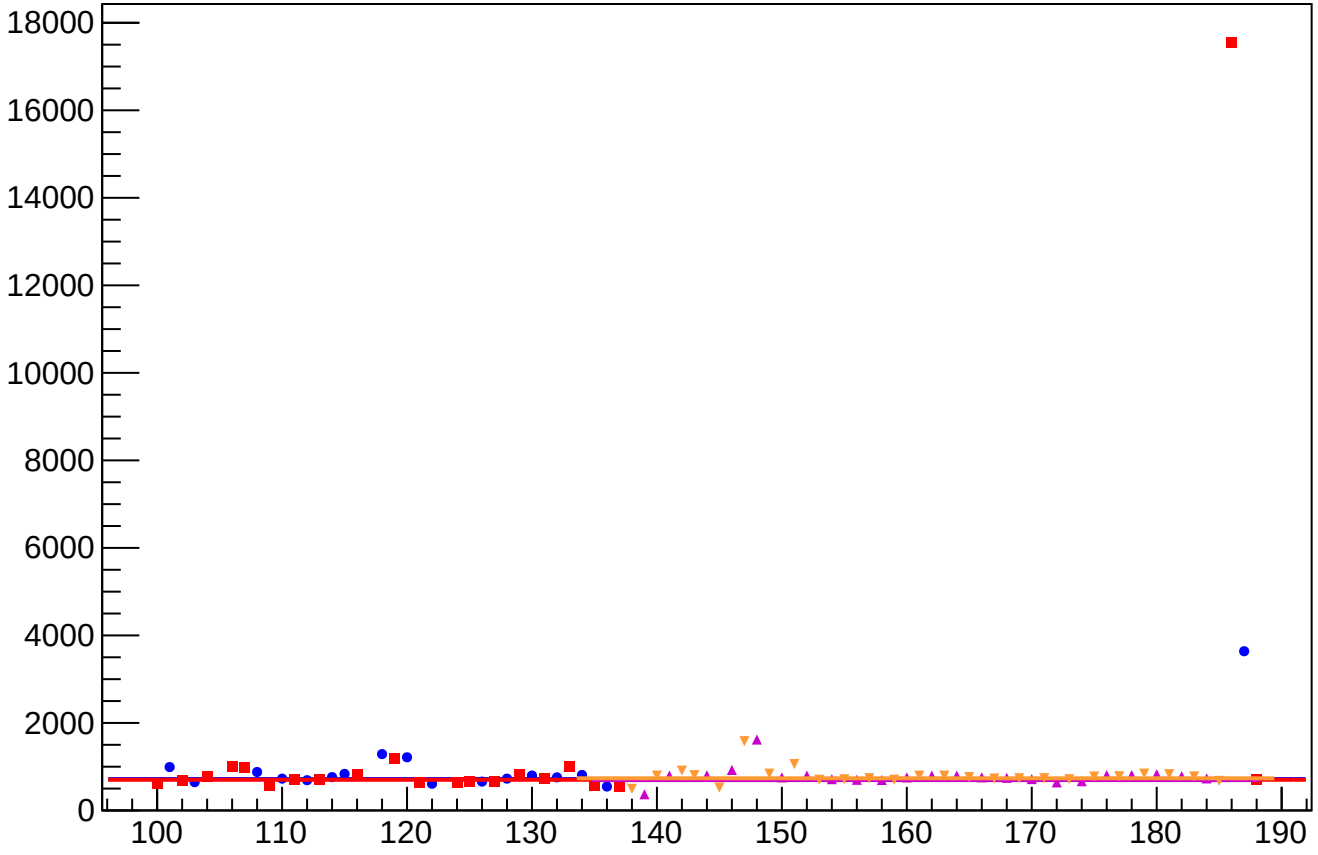
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.080+/-0.146 χ^2/NDF: 29.4/41

All: -0.040+/-0.101 χ^2/NDF: 73.7/85

- sign -0.002+/-0.141 χ^2/NDF: 44.2/43

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 716.524+/-0.193 χ^2/NDF: 926400.7/16

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 701.635+/-0.179 χ^2/NDF: 1309455.5/20

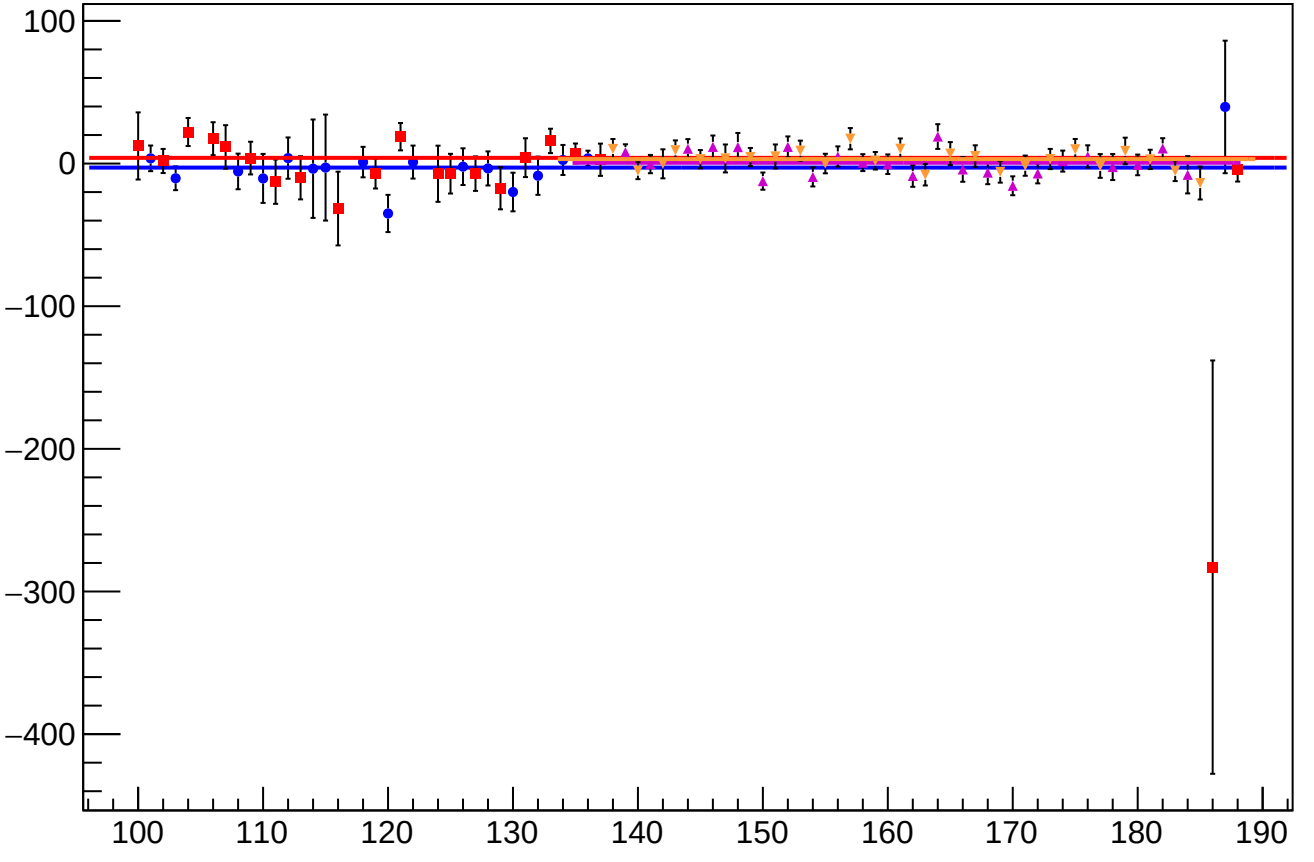
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 729.734+/-0.103 χ^2/NDF: 2272692.2/41

All: 712.515+/-0.072 χ^2/NDF: 5862505.4/85

- sign 696.459+/-0.099 χ^2/NDF: 3535758.8/43

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.825+/-2.741 χ^2/NDF: 12.4/16

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 3.997+/-2.526 χ^2/NDF: 23.5/20

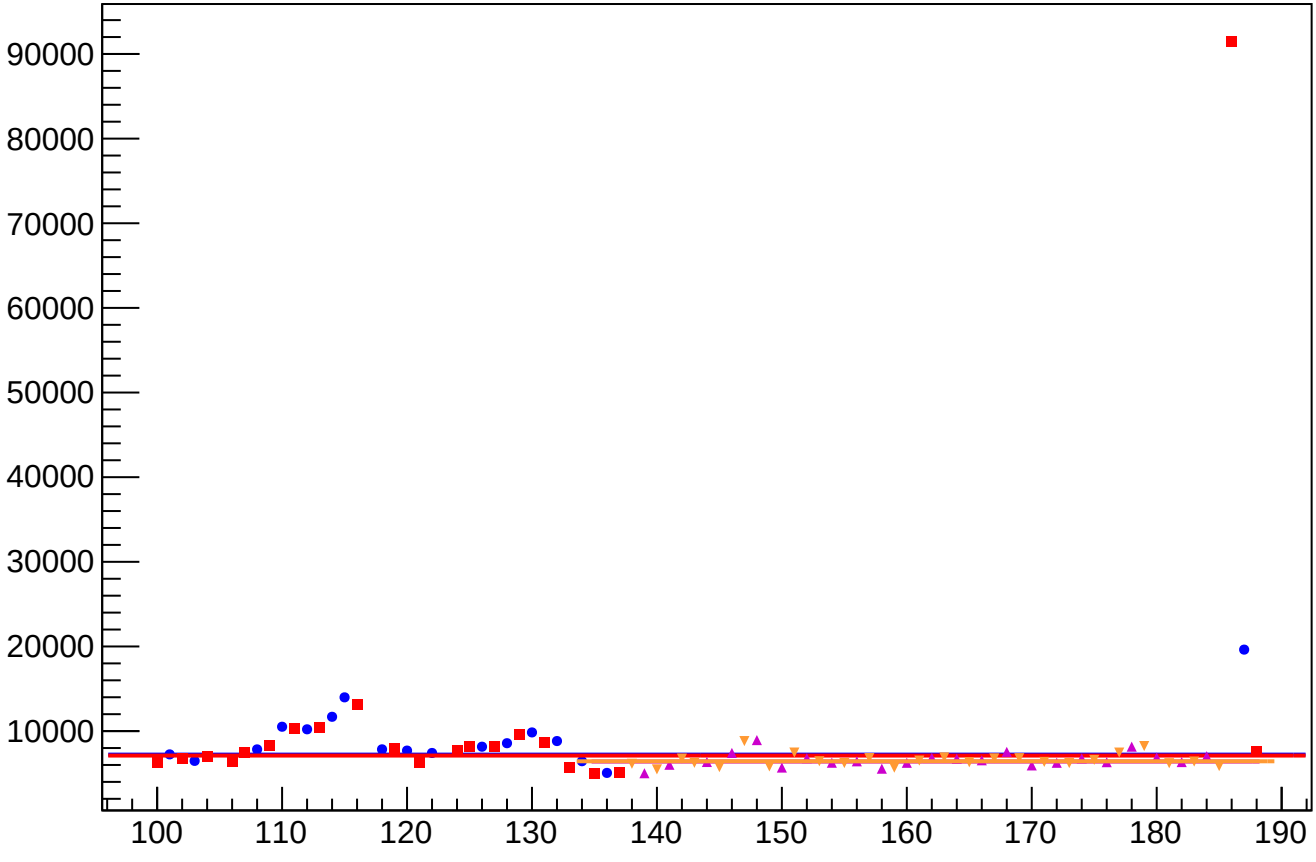
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 1.777+/-1.300 χ^2/NDF: 34.8/41

All: 1.618+/-0.918 χ^2/NDF: 93.3/85

- sign 1.460+/-1.298 χ^2/NDF: 58.5/43

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7222.270+/-1.938 χ^2/NDF: 905049.0/16

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 7110.985+/-1.786 χ^2/NDF: 1452827.5/20

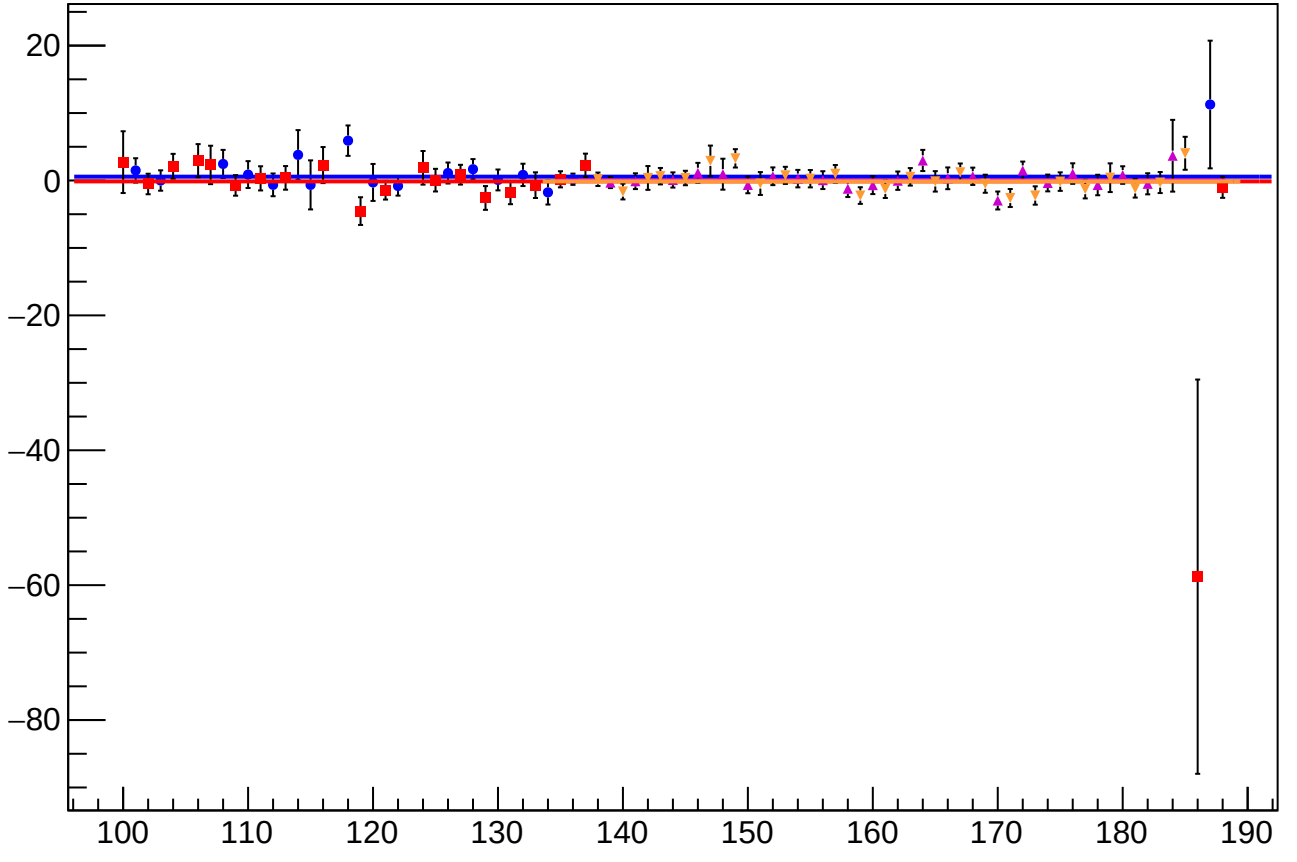
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6612.266+/-0.919 χ^2/NDF: 1450124.0/41

All: 6601.870+/-0.649 χ^2/NDF: 3543233.4/85

- sign 6591.508+/-0.918 χ^2/NDF: 2092853.9/43

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.567+/-0.410 χ^2/NDF: 13.2/16

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.131+/-0.395 χ^2/NDF: 21.2/20

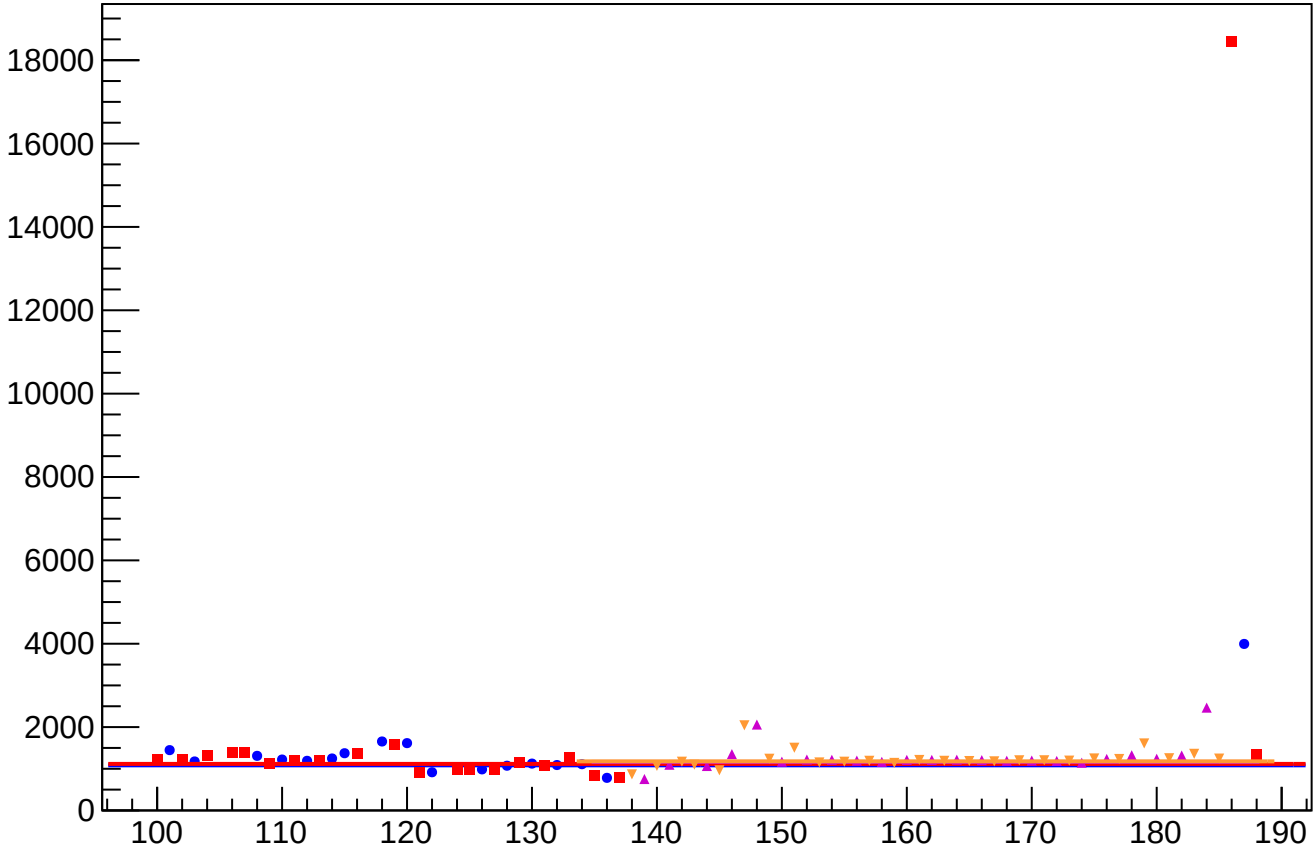
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign 0.089+/-0.228 χ^2/NDF: 42.1/41

All: 0.033+/-0.161 χ^2/NDF: 78.0/85

- sign -0.024+/-0.228 χ^2/NDF: 35.8/43

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1082.793+/-0.290 χ^2/NDF: 836209.2/16

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

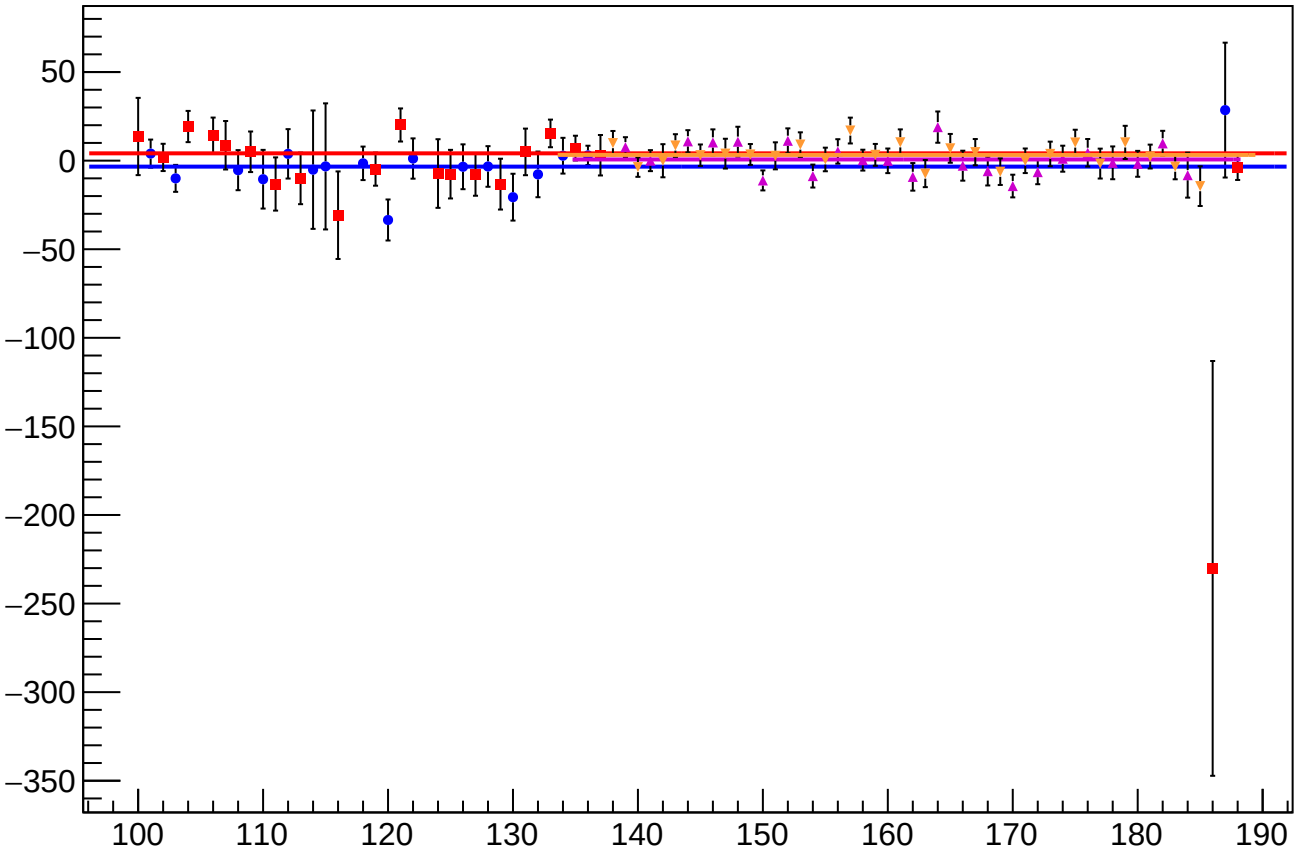
Right Out: 1116.641+/-0.280 χ^2/NDF: 1237099.3/20

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1148.569+/-0.161 χ^2/NDF: 1711236.7/41

All: 1148.374+/-0.114 χ^2/NDF: 4019574.9/85

- sign 1148.178+/-0.161 χ^2/NDF: 2308335.3/43



Right In: -3.377+/-2.602 χ^2/NDF: 13.3/16

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 4.123+/-2.368 χ^2/NDF: 23.6/20

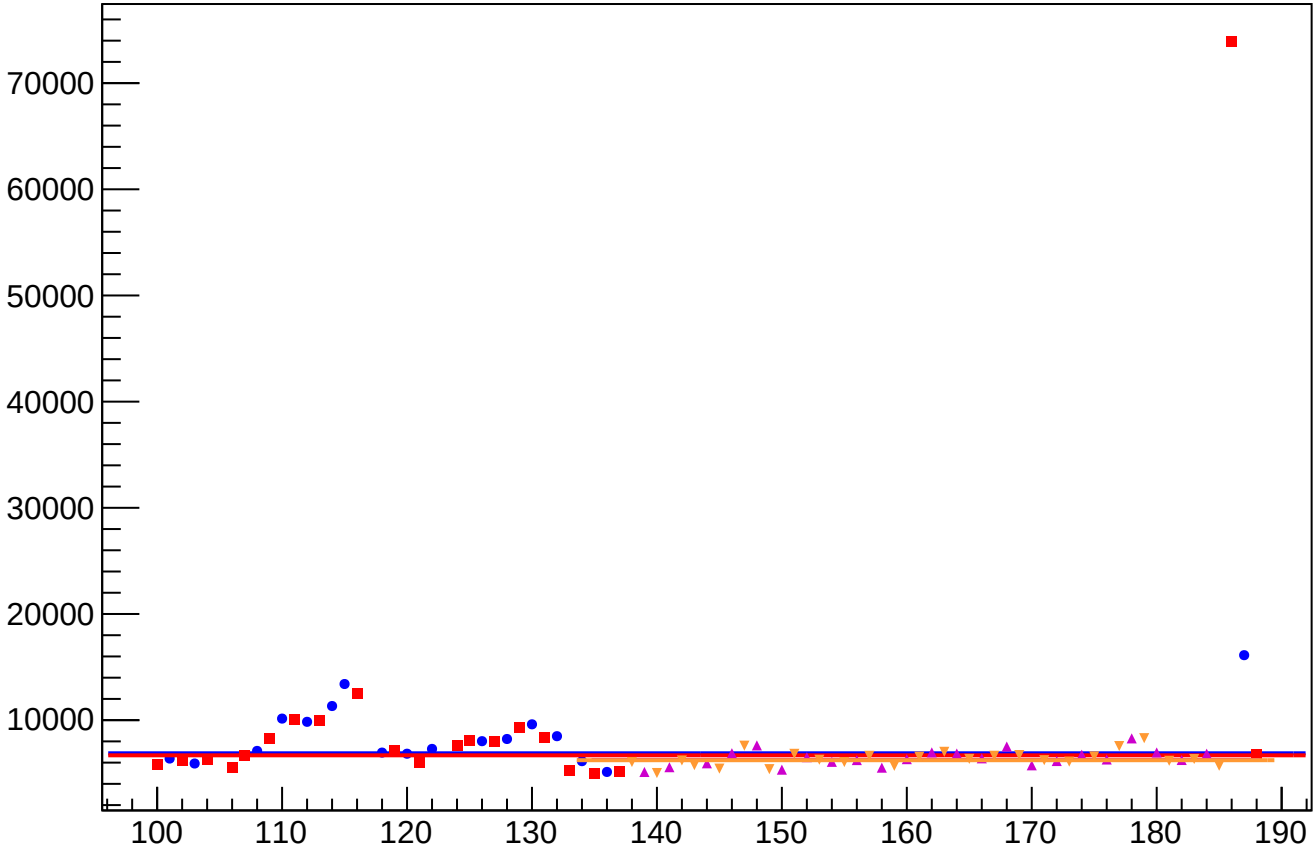
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 1.701+/-1.253 χ^2/NDF: 36.2/41

All: 1.666+/-0.885 χ^2/NDF: 93.6/85

- sign 1.632+/-1.251 χ^2/NDF: 57.4/43

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6877.750+/-1.840 χ^2/NDF: 811222.7/16

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 6688.399+/-1.675 χ^2/NDF: 1445467.2/20

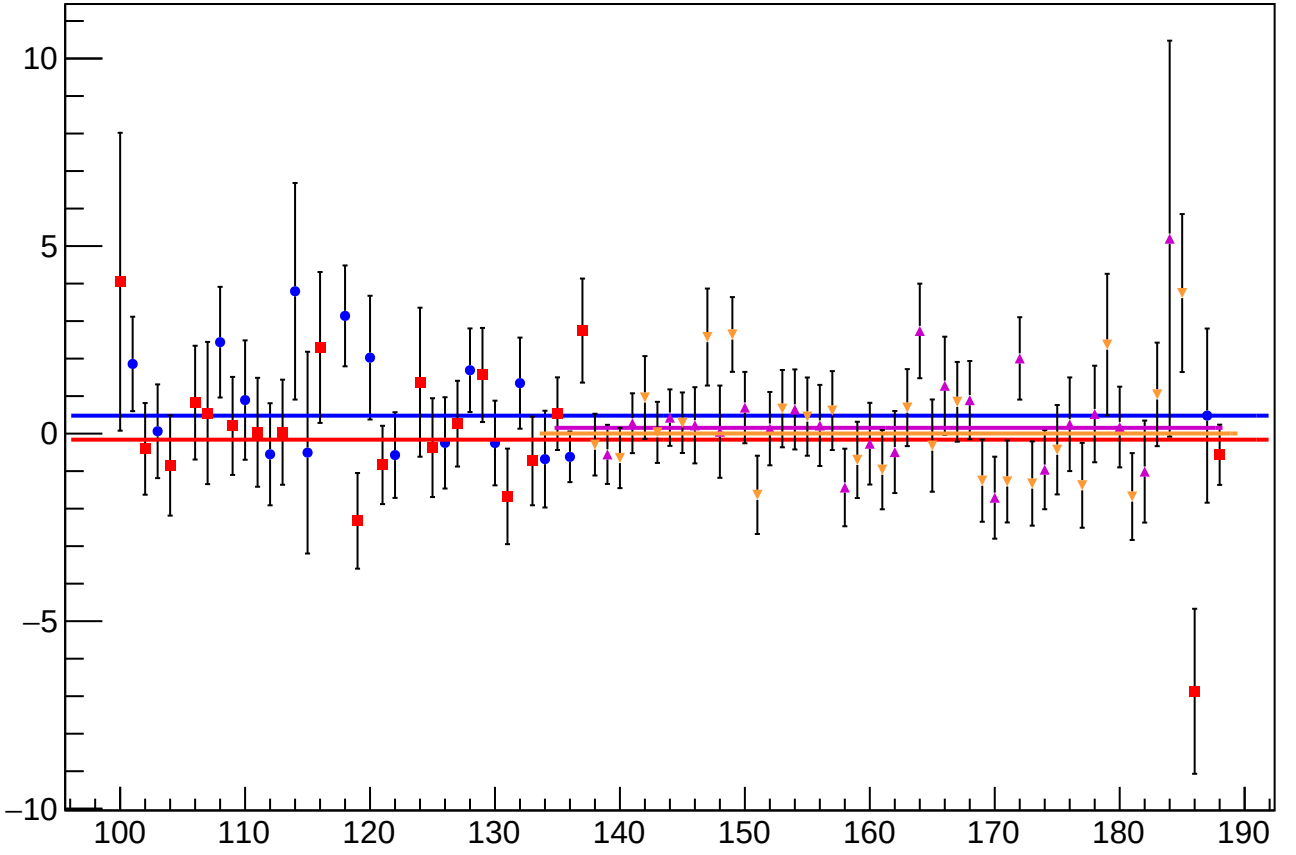
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6379.155+/-0.886 χ^2/NDF: 1377673.9/41

All: 6374.601+/-0.626 χ^2/NDF: 3358302.8/85

- sign 6370.059+/-0.885 χ^2/NDF: 1980576.1/43

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.308 χ^2/NDF: 16.7/16

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.161+/-0.286 χ^2/NDF: 25.6/20

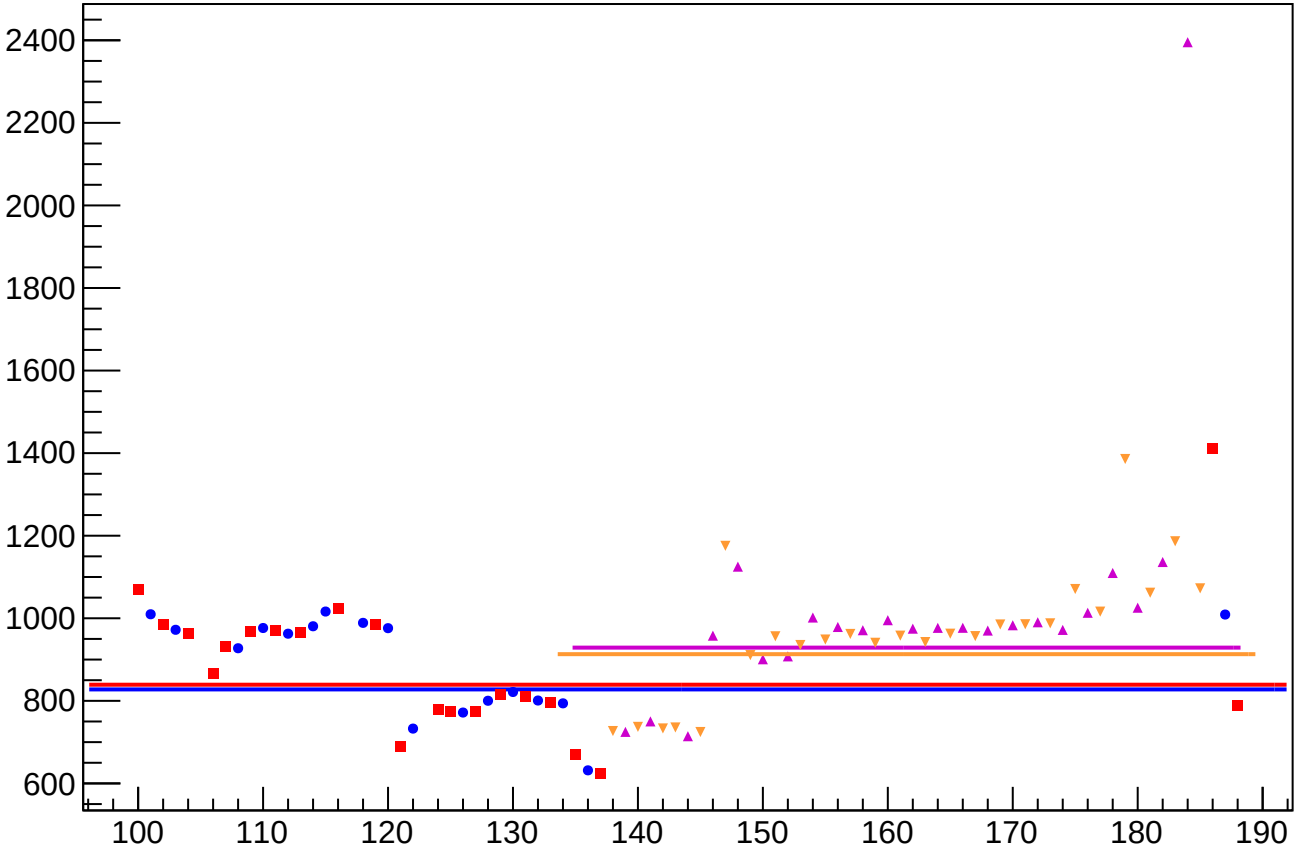
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.156+/-0.175 χ^2/NDF: 50.0/41

All: 0.096+/-0.124 χ^2/NDF: 95.0/85

- sign 0.036+/-0.175 χ^2/NDF: 44.8/43

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 827.681+/-0.218 χ^2/NDF: 377883.9/16

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

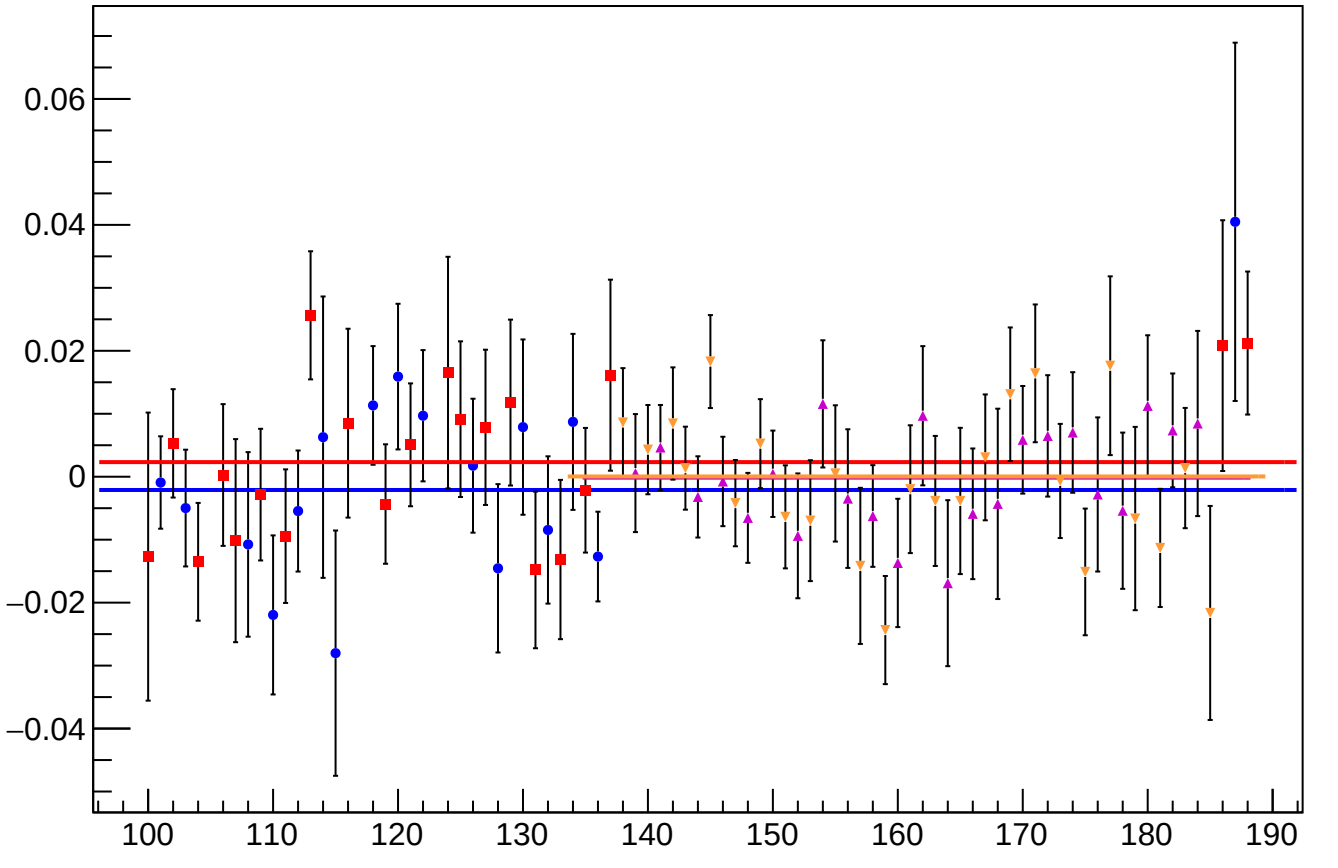
Right Out: 839.092+/-0.202 χ^2/NDF: 463234.2/20

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

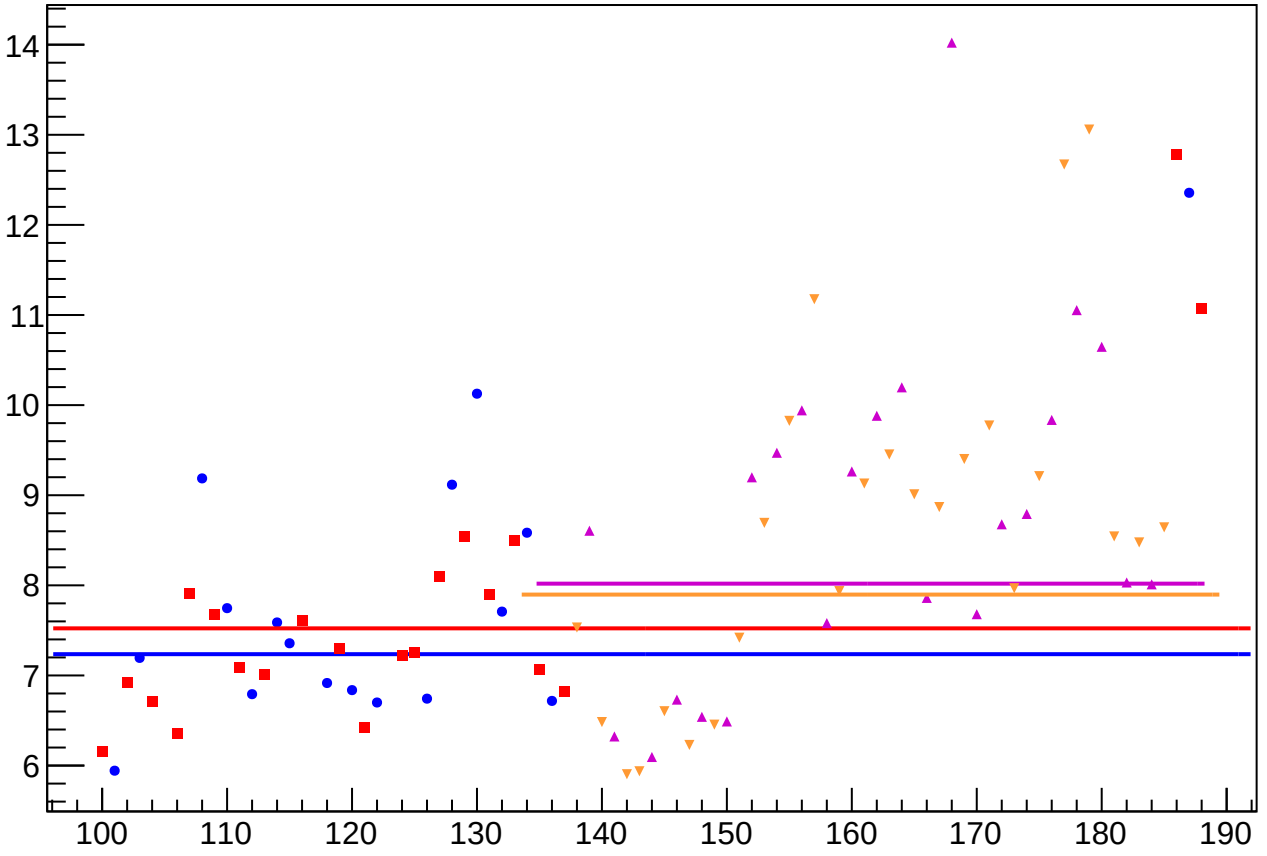
\+ sign 885.639+/-0.123 χ^2/NDF: 1371392.9/41

All: 890.442+/-0.087 χ^2/NDF: 2730433.8/85

\- sign 895.258+/-0.124 χ^2/NDF: 1356009.8/43


diff_dispE_bpm12X_mean vs Slug
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
170
180
190
Right In: -0.002+/-0.003 χ²/NDF: 17.6/16
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: 0.002+/-0.003 χ²/NDF: 21.2/20
Left In: -0.000+/-0.002 χ²/NDF:12.8/22
+ sign -0.001+/-0.002 χ²/NDF: 49.1/41
All: 0.000+/-0.001 χ²/NDF: 84.1/85
- sign 0.001+/-0.002 χ²/NDF: 34.6/43

diff_dispE_bpm12X_rms vs Slug



Right In: 7.236+/-0.002 χ^2/NDF: 342982.3/16

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

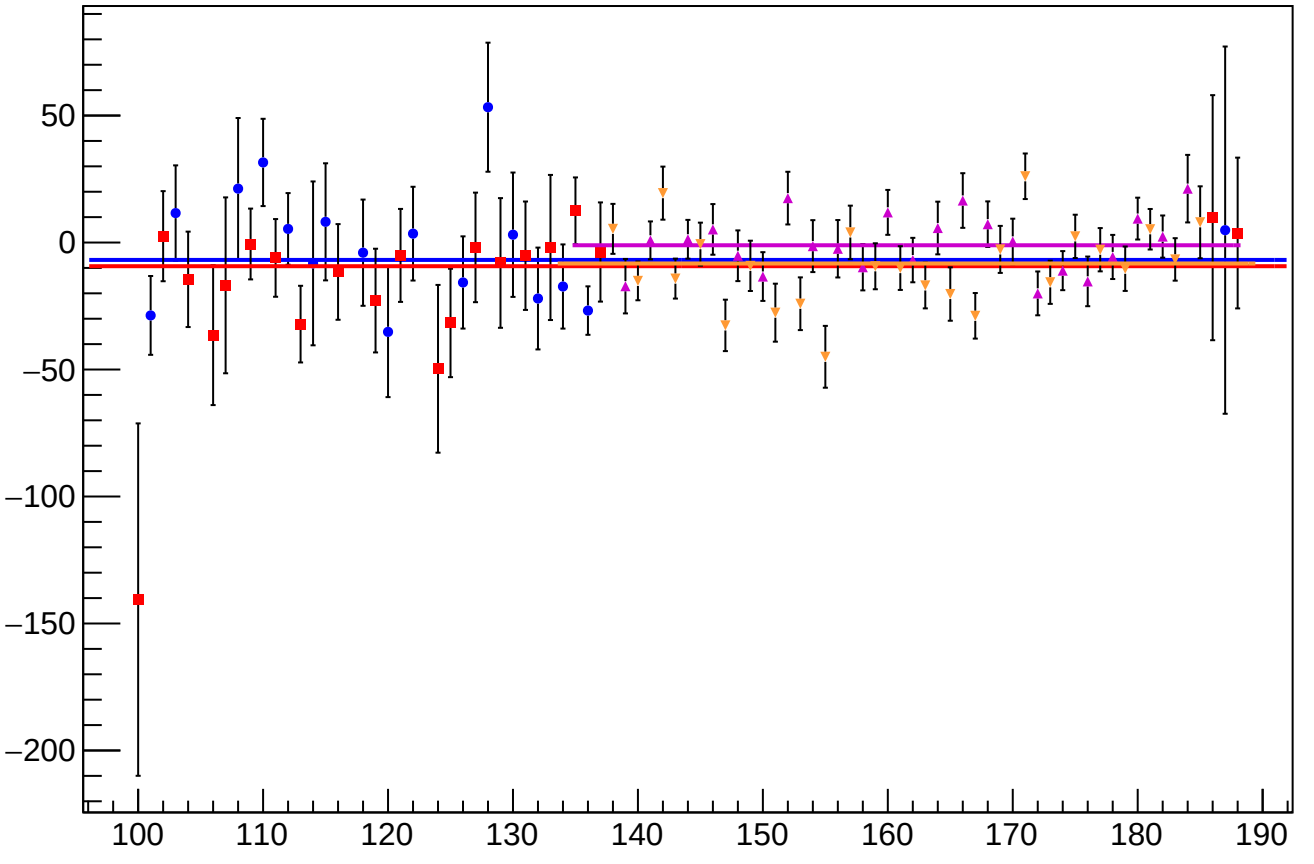
Right Out: 7.523+/-0.002 χ^2/NDF: 464475.8/20

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.687+/-0.001 χ^2/NDF: 2015798.2/41

All: 7.763+/-0.001 χ^2/NDF: 3994136.6/85

- sign 7.841+/-0.001 χ^2/NDF: 1968143.7/43



Right In: -6.846+/-4.480 χ^2/NDF: 23.1/16

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -9.320+/-4.447 χ^2/NDF: 14.3/20

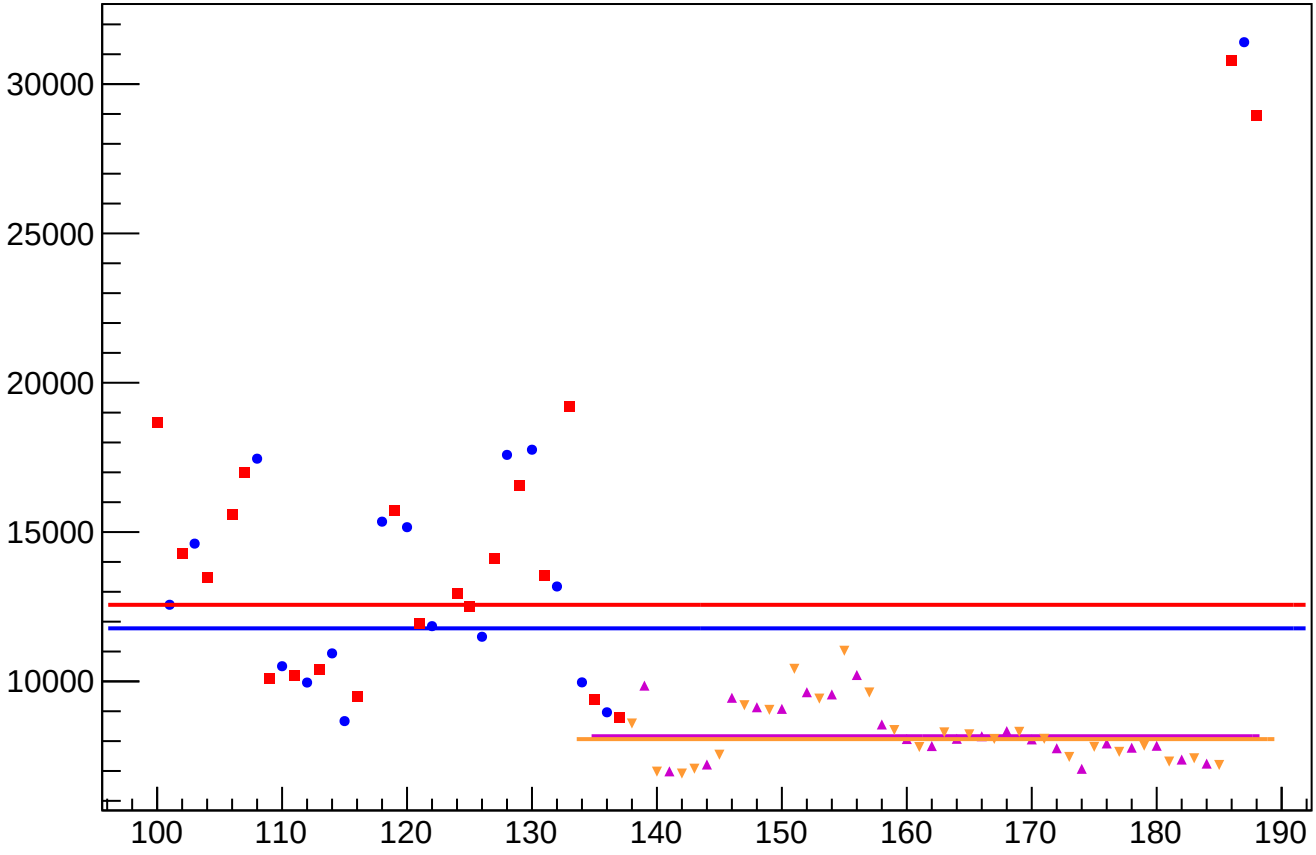
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.051+/-1.709 χ^2/NDF: 85.3/41

All: -5.298+/-1.227 χ^2/NDF: 136.7/85

- sign -2.369+/-1.763 χ^2/NDF: 46.1/43

diff_targ_positionX_rms vs Slug



Right In: 11776.266+/-3.168 χ^2/NDF: 888148.6/16

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

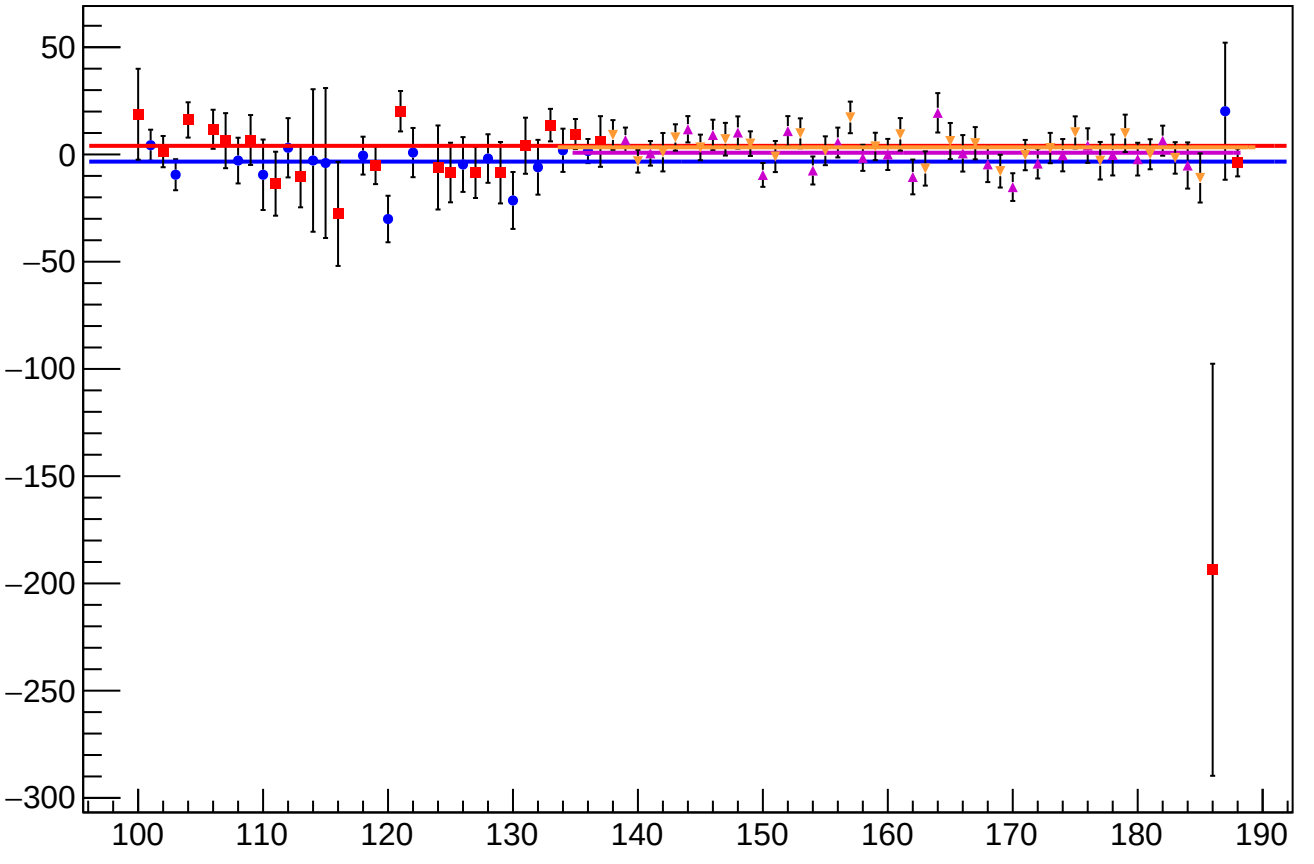
Right Out: 12563.712+/-3.144 χ^2/NDF: 1608678.2/20

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8606.897+/-1.209 χ^2/NDF: 2558012.5/41

All: 8727.276+/-0.868 χ^2/NDF: 6269825.5/85

- sign 8855.363+/-1.247 χ^2/NDF: 3691343.0/43



Right In: -3.335+/-2.542 χ^2/NDF: 12.0/16

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

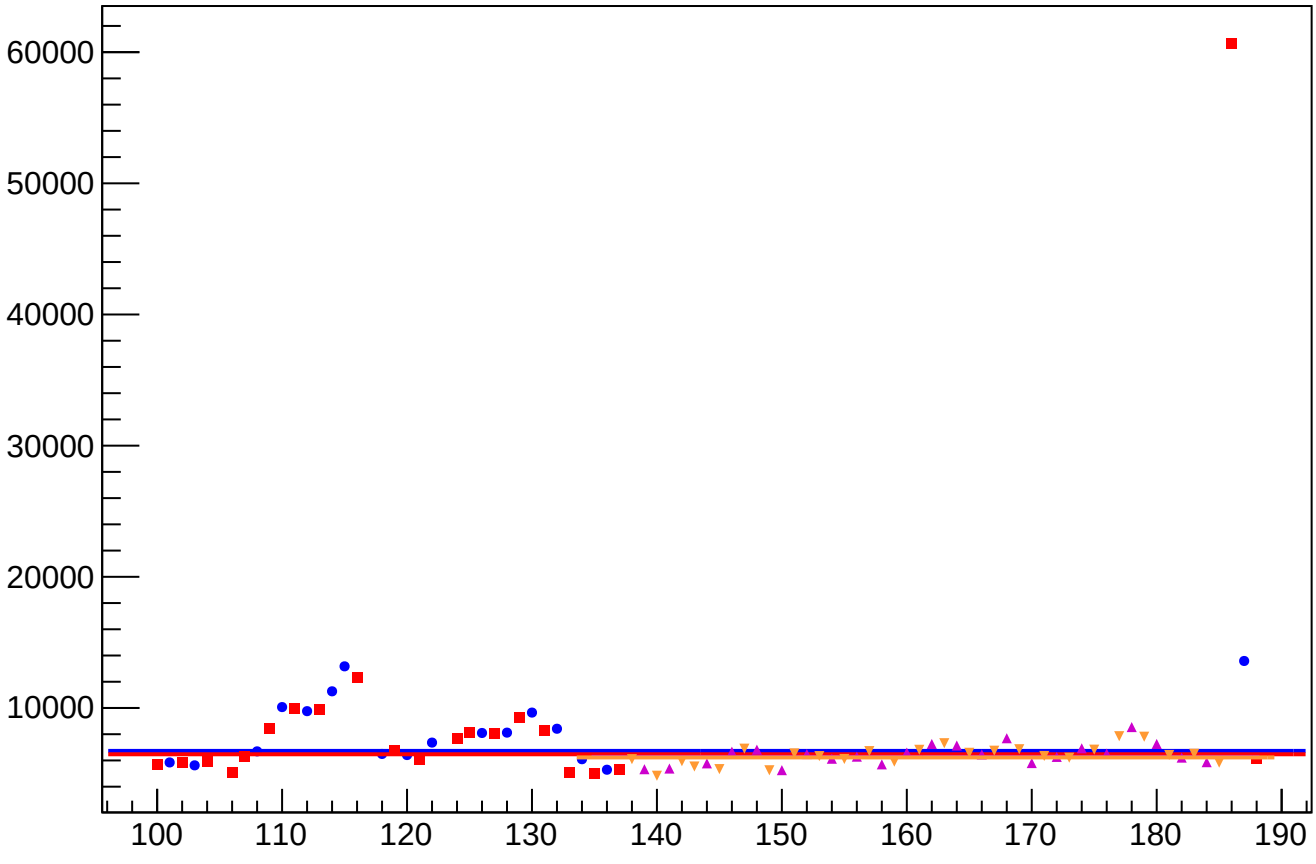
Right Out: 4.016+/-2.287 χ^2/NDF: 22.6/20

Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

\+ sign 1.726+/-1.247 χ^2/NDF: 34.2/41

All: 1.736+/-0.880 χ^2/NDF: 87.5/85

\- sign 1.746+/-1.242 χ^2/NDF: 53.4/43



Right In: 6726.641+/-1.797 χ^2/NDF: 784882.7/16

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

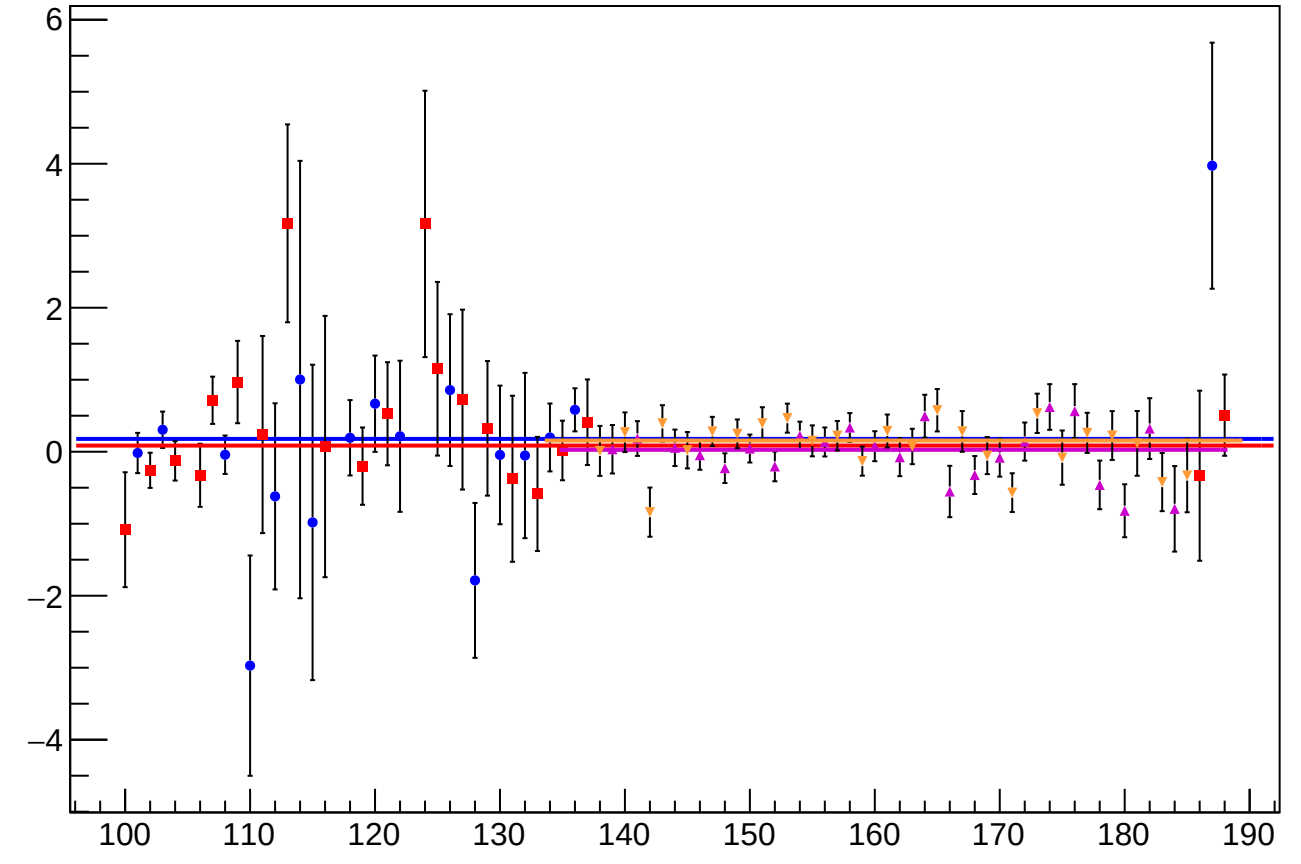
Right Out: 6470.635+/-1.617 χ^2/NDF: 1479897.4/20

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 6350.196+/-0.882 χ^2/NDF: 1375239.1/41

All: 6339.920+/-0.622 χ^2/NDF: 3370894.2/85

- sign 6329.724+/-0.878 χ^2/NDF: 1995384.3/43



Right In: 0.178+/-0.119 χ^2/NDF: 17.5/16

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.085+/-0.117 χ^2/NDF: 23.2/20

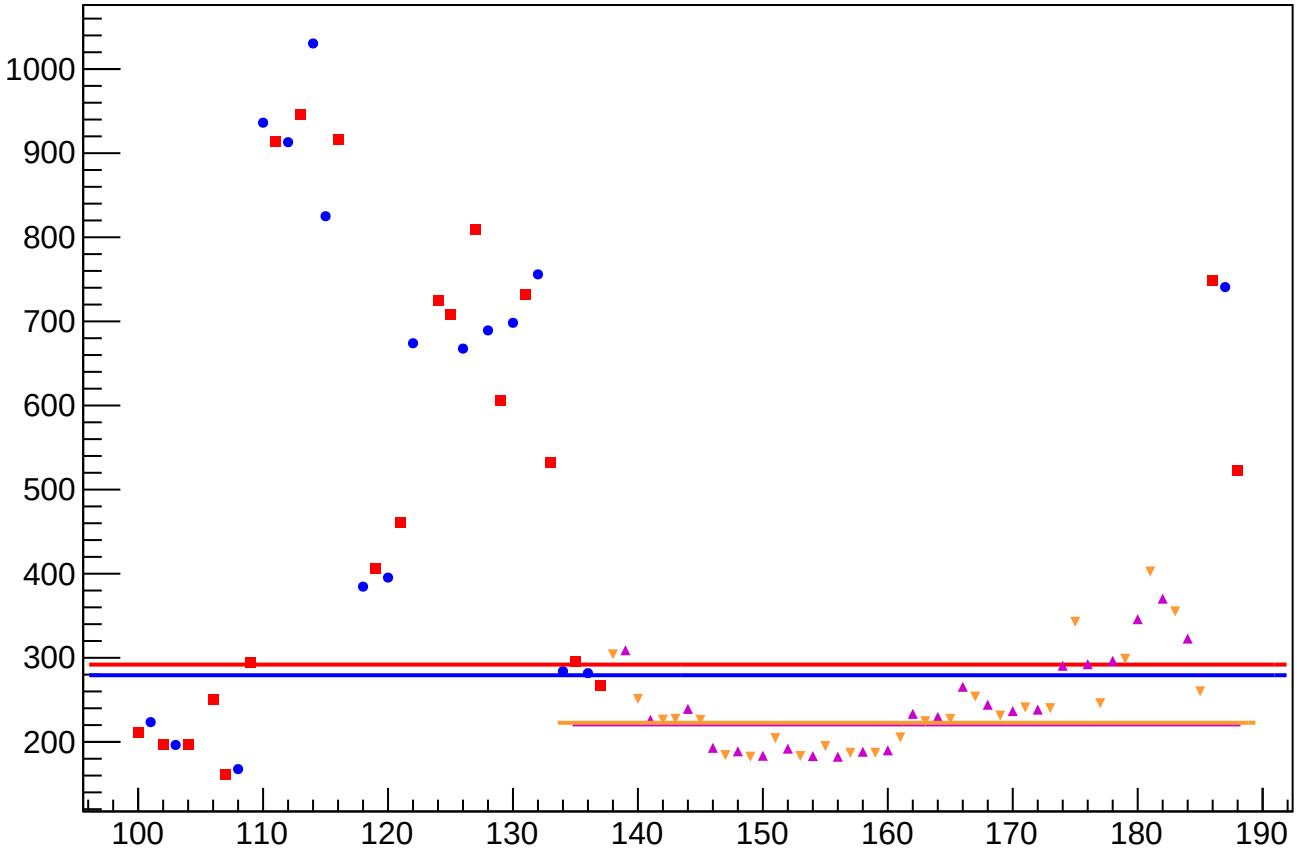
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.159+/-0.048 χ^2/NDF: 49.8/41

All: 0.099+/-0.034 χ^2/NDF: 106.3/85

- sign 0.037+/-0.048 χ^2/NDF: 53.2/43

diff_targ_thetaX_rms vs Slug



Right In: 279.277+/-0.084 χ^2/NDF: 3597124.9/16

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 291.930+/-0.082 χ^2/NDF: 4236201.8/20

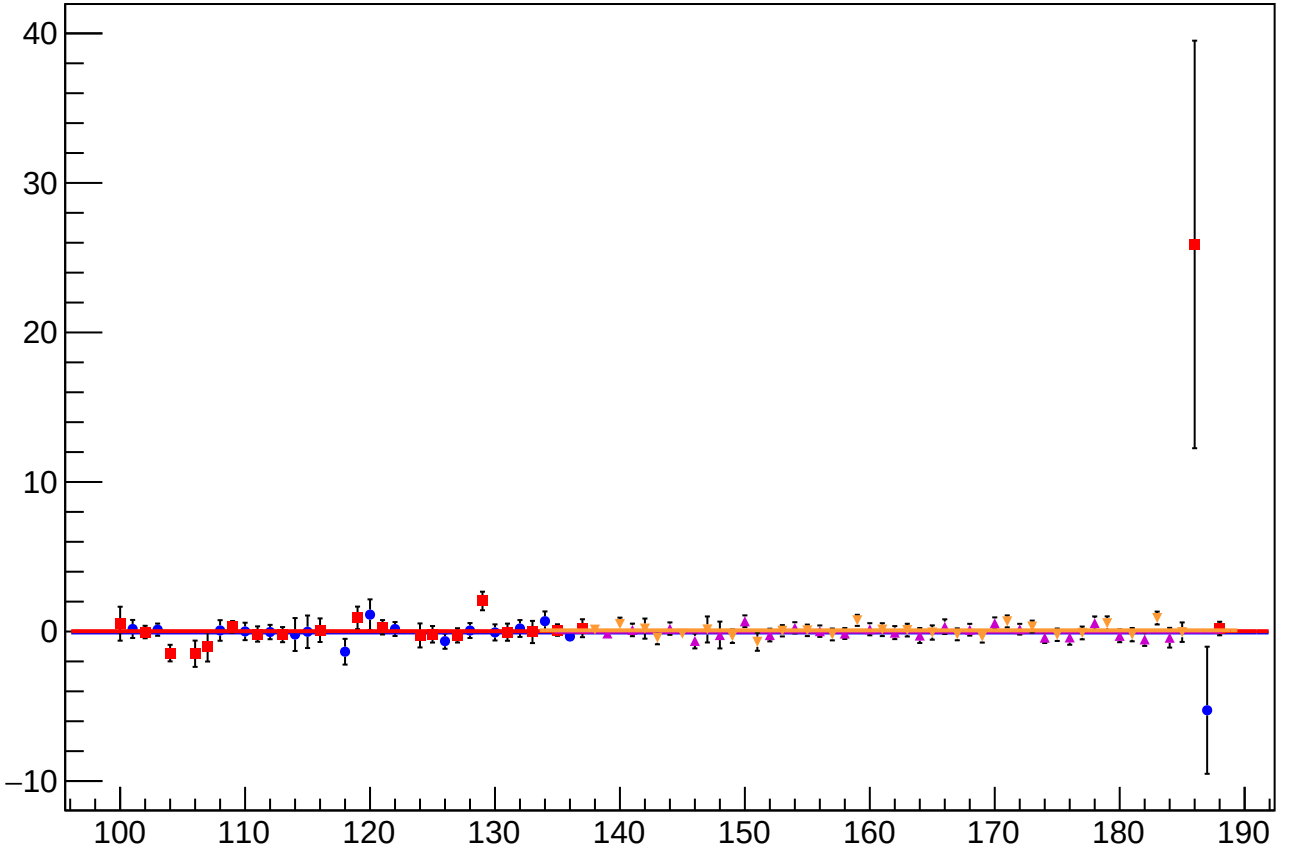
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 231.731+/-0.034 χ^2/NDF: 5426389.1/41

All: 232.349+/-0.024 χ^2/NDF: 11752377.8/85

- sign 232.983+/-0.034 χ^2/NDF: 6325305.4/43

diff_targ_thetaY_mean vs Slug



Right In: -0.062+/-0.134 χ^2/NDF: 9.6/16

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.023+/-0.124 χ^2/NDF: 28.9/20

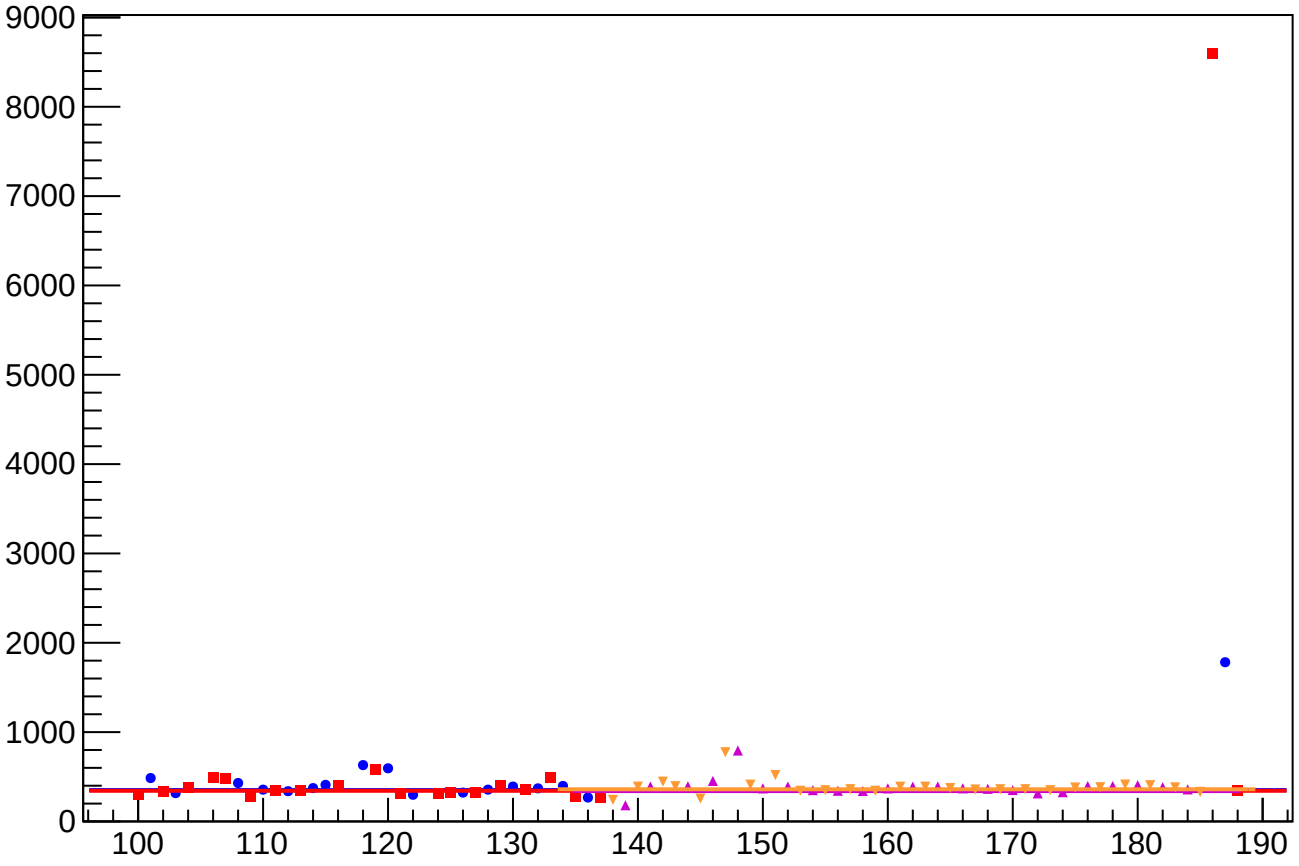
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.039+/-0.071 χ^2/NDF: 29.4/41

All: 0.019+/-0.050 χ^2/NDF: 73.7/85

- sign 0.001+/-0.069 χ^2/NDF: 44.2/43

diff_targ_thetaY_rms vs Slug



Right In: 350.979+/-0.095 χ^2/NDF: 926400.7/16

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

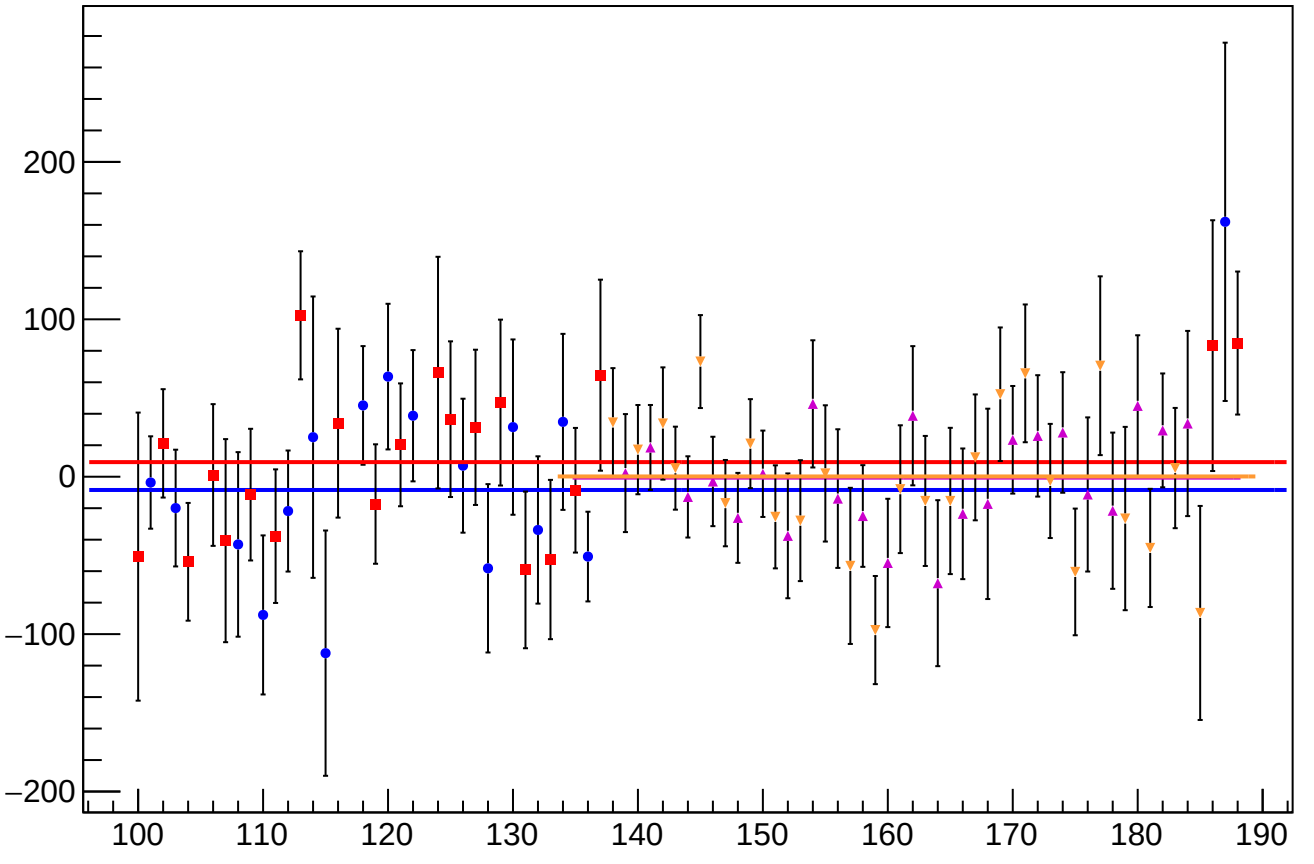
Right Out: 343.686+/-0.088 χ^2/NDF: 1309455.5/20

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 357.450+/-0.050 χ^2/NDF: 2272692.2/41

All: 349.015+/-0.035 χ^2/NDF: 5862505.4/85

- sign 341.151+/-0.049 χ^2/NDF: 3535758.8/43



Right In: -8.425+/-10.787 χ^2/NDF: 17.6/16

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

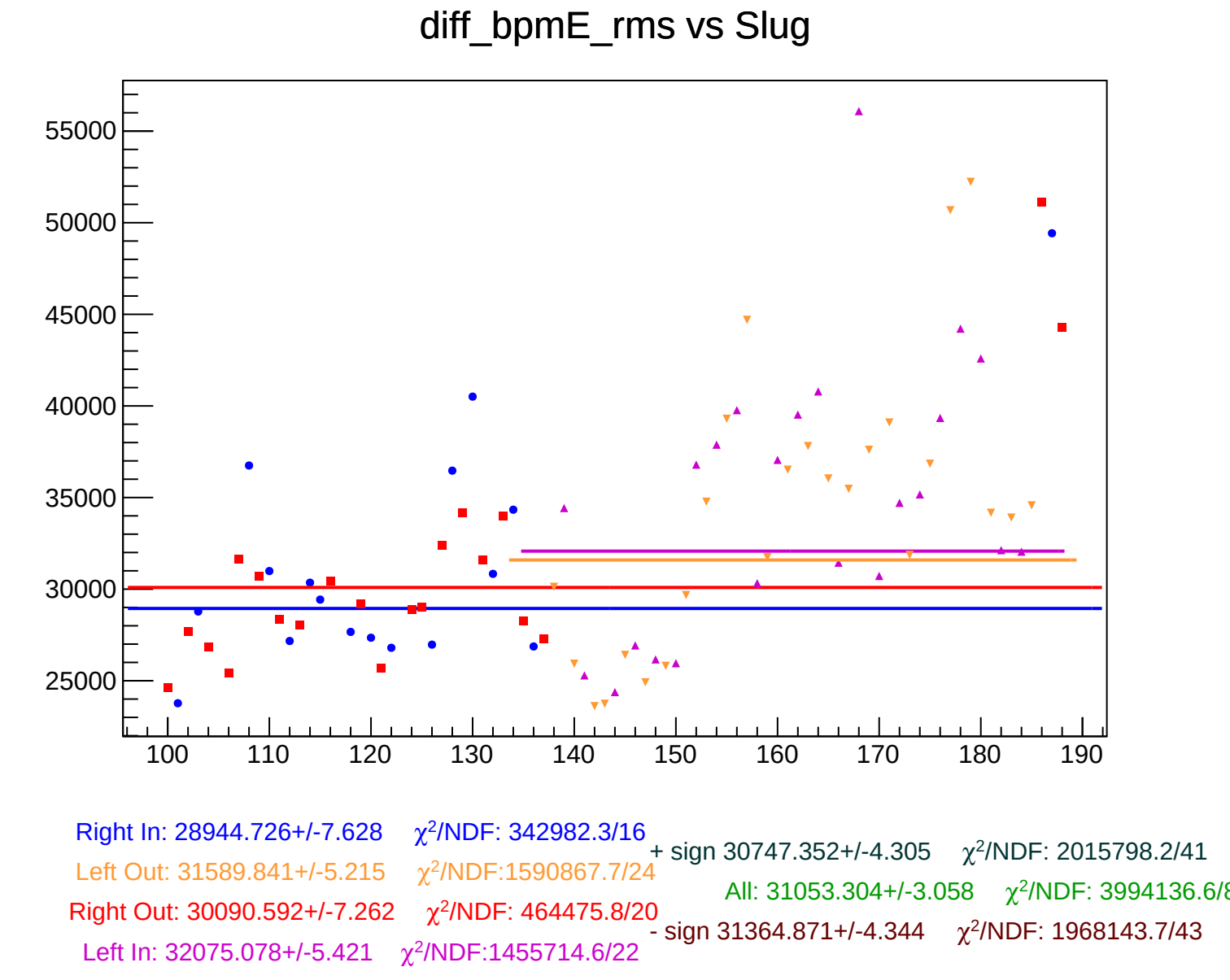
Right Out: 9.279+/-10.270 χ^2/NDF: 21.2/20

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -2.569+/-6.088 χ^2/NDF: 49.1/41

All: 0.163+/-4.324 χ^2/NDF: 84.1/85

- sign 2.944+/-6.144 χ^2/NDF: 34.6/43


diff_bpmE_rms vs Slug
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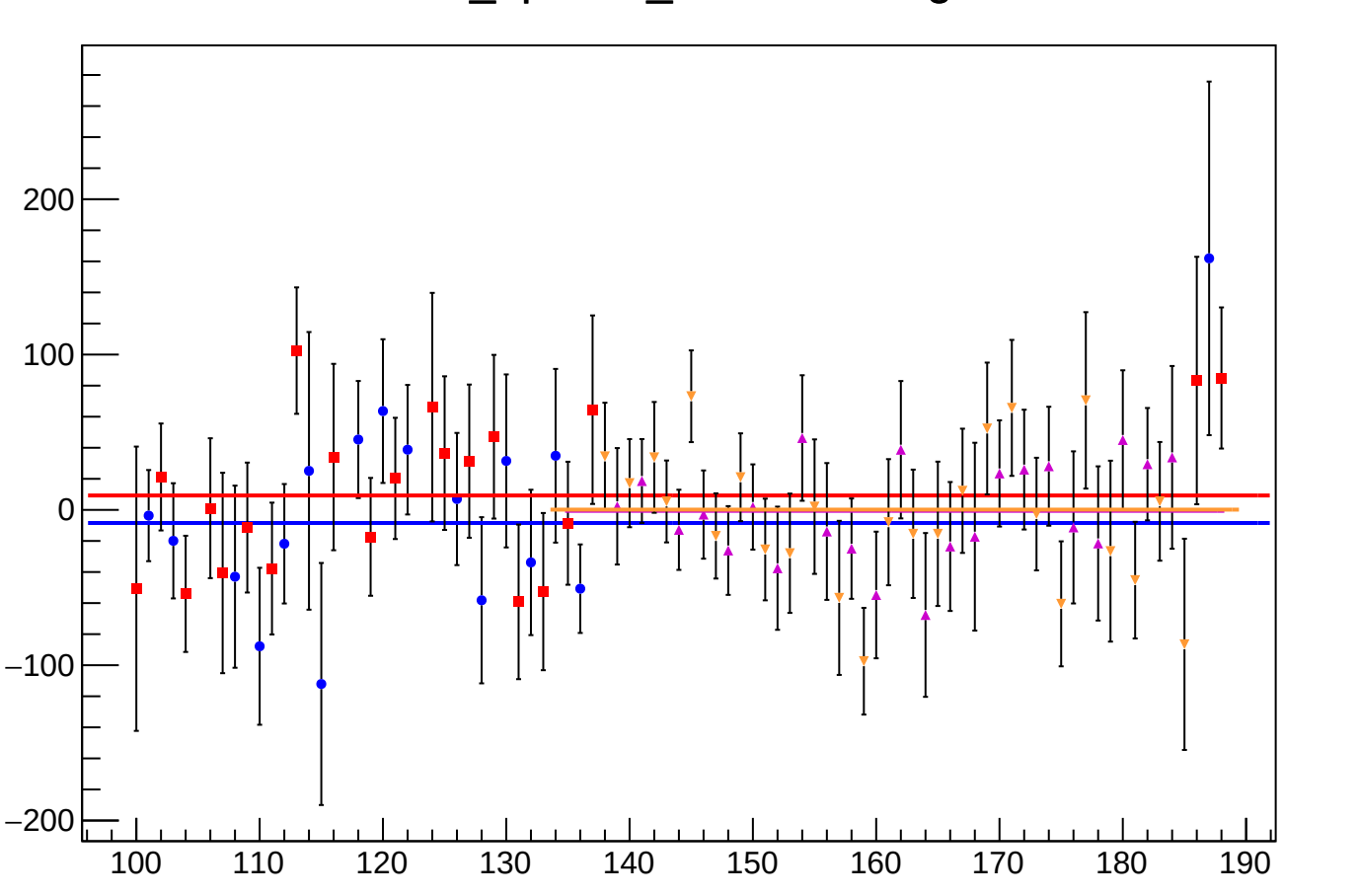
180
190
Right In: 28944.726+/-7.628 χ²/NDF: 342982.3/16
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 30090.592+/-7.262 χ²/NDF: 464475.8/20
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30747.352+/-4.305 χ²/NDF: 2015798.2/41
All: 31053.304+/-3.058 χ²/NDF: 3994136.6/8
- sign 31364.871+/-4.344 χ²/NDF: 1968143.7/43



Right In: -8.425+/-10.787 χ^2/NDF: 17.6/16

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

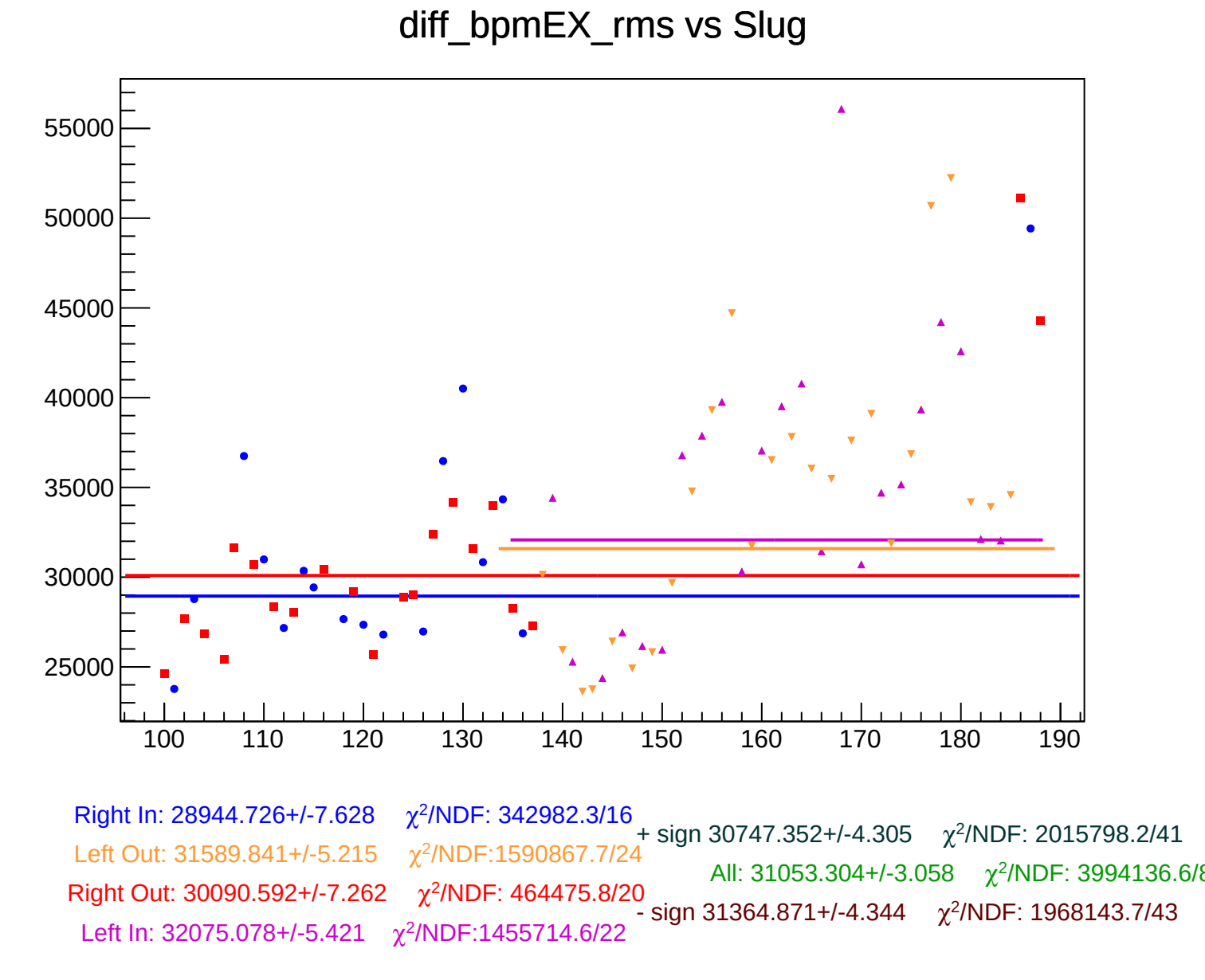
Right Out: 9.279+/-10.270 χ^2/NDF: 21.2/20

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -2.569+/-6.088 χ^2/NDF: 49.1/41

All: 0.163+/-4.324 χ^2/NDF: 84.1/85

- sign 2.944+/-6.144 χ^2/NDF: 34.6/43


diff_bpmEX_rms vs Slug
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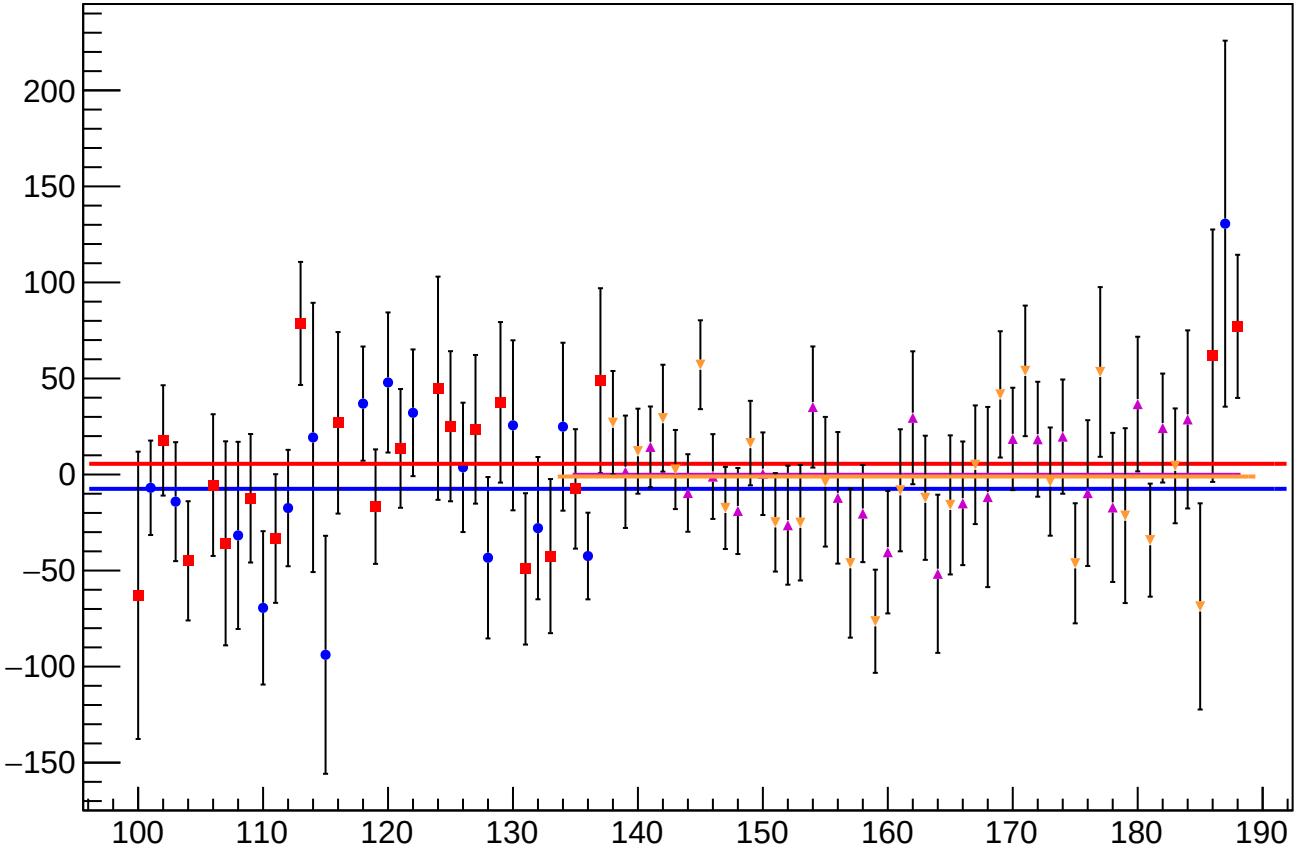
Right In: 28944.726+/-7.628 χ²/NDF: 342982.3/16
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 30090.592+/-7.262 χ²/NDF: 464475.8/20
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30747.352+/-4.305 χ²/NDF: 2015798.2/41
All: 31053.304+/-3.058 χ²/NDF: 3994136.6/8
- sign 31364.871+/-4.344 χ²/NDF: 1968143.7/43

diff_bpmE_11X12X_mean vs Slug



Right In: -7.454+/-8.643 χ^2/NDF: 17.6/16

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

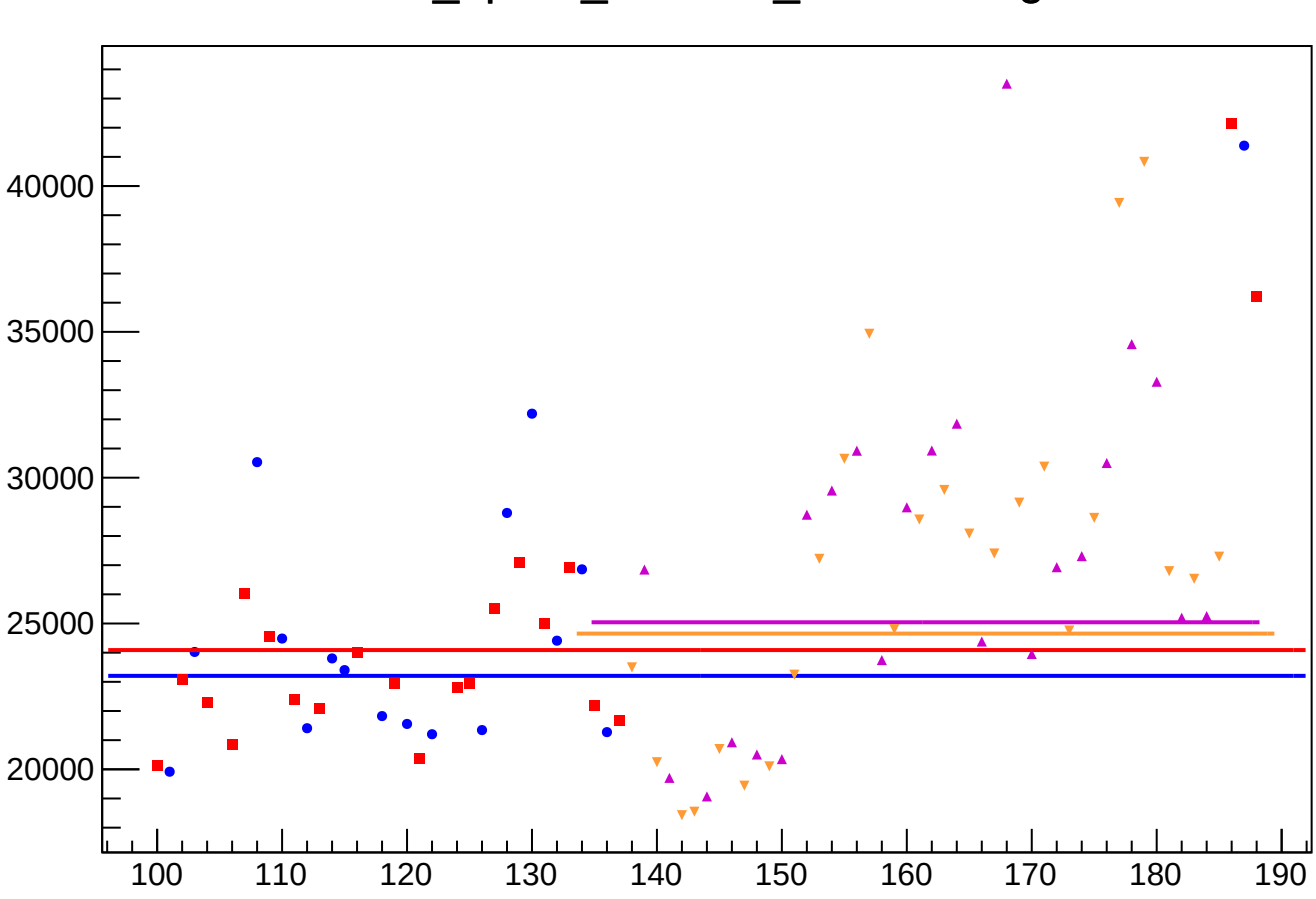
Right Out: 5.575+/-8.227 χ^2/NDF: 22.3/20

Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -3.011+/-4.790 χ^2/NDF: 50.3/41

All: -0.614+/-3.404 χ^2/NDF: 85.6/85

- sign 1.833+/-4.840 χ^2/NDF: 34.7/43



Right In: 23204.749+/-6.111 χ^2/NDF: 334870.5/16

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

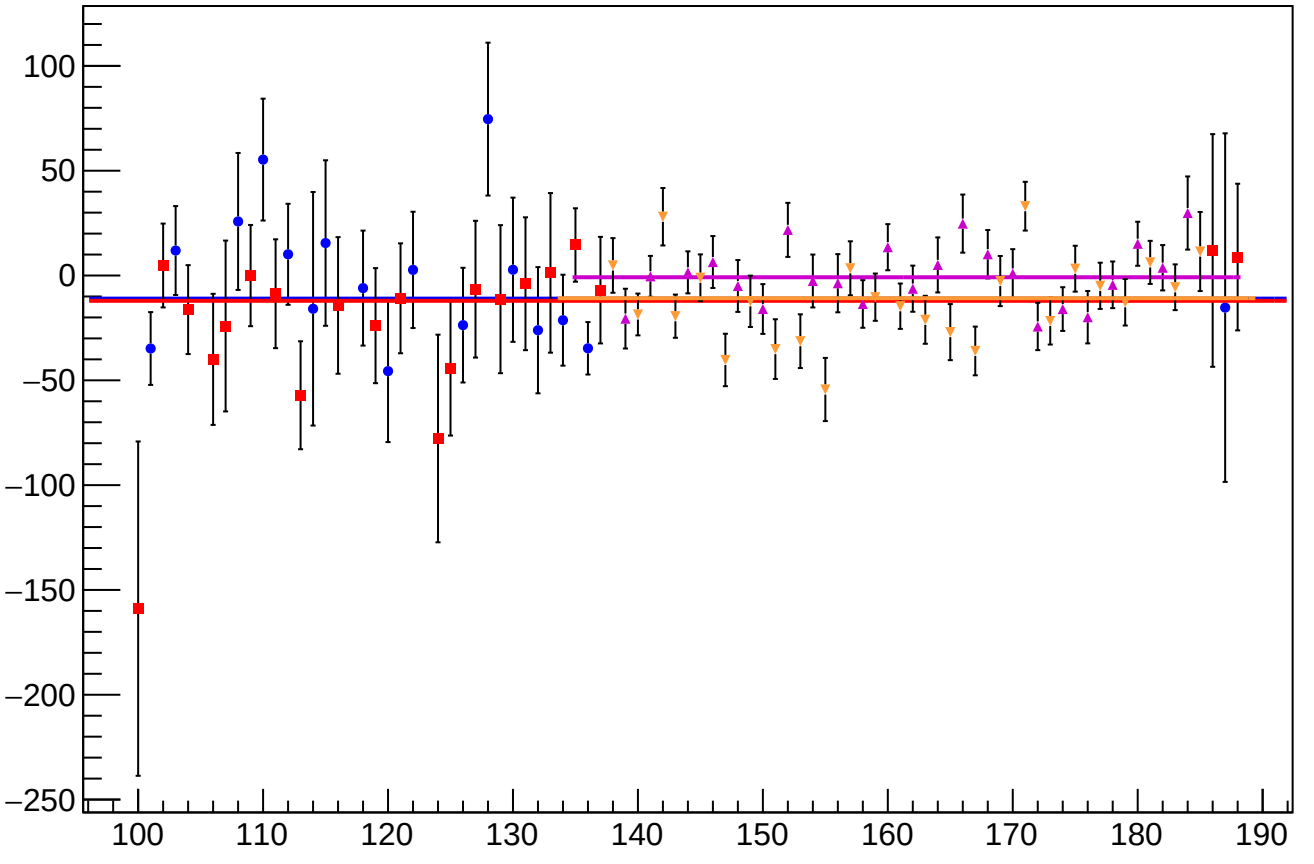
Right Out: 24089.000+/-5.818 χ^2/NDF: 480481.7/20

Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 24208.852+/-3.387 χ^2/NDF: 1956544.3/41

All: 24457.935+/-2.407 χ^2/NDF: 3907145.9/8

- sign 24712.222+/-3.422 χ^2/NDF: 1939672.0/43



Right In: -11.026+/-6.138 χ^2/NDF: 22.0/16

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -12.059+/-6.238 χ^2/NDF: 14.4/20

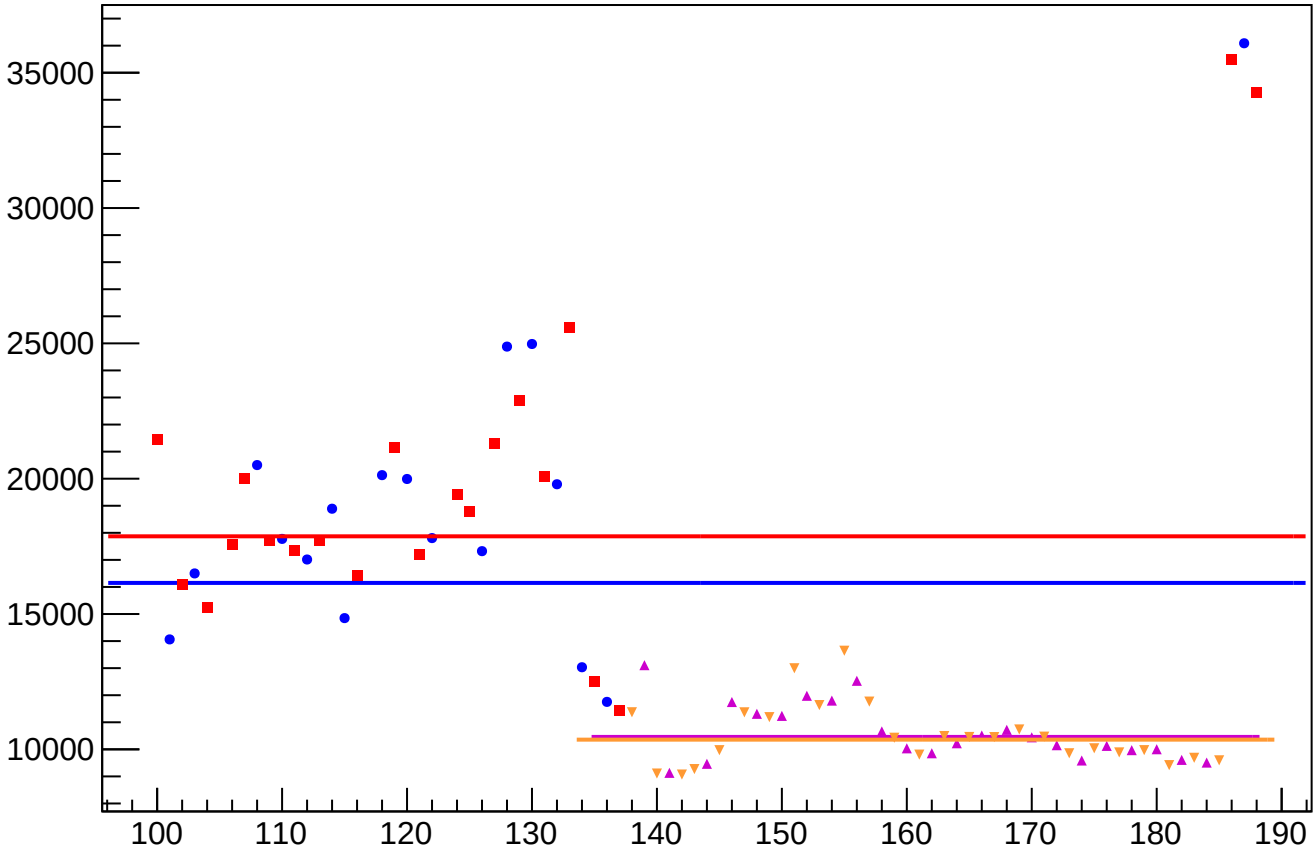
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -10.849+/-2.211 χ^2/NDF: 83.3/41

All: -6.733+/-1.589 χ^2/NDF: 137.1/85

- sign -2.335+/-2.286 χ^2/NDF: 46.6/43

diff_bpm4aesumX_rms vs Slug



Right In: 16149.322+/-4.340 χ^2/NDF: 838325.2/16

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 17870.853+/-4.411 χ^2/NDF: 1205320.7/20

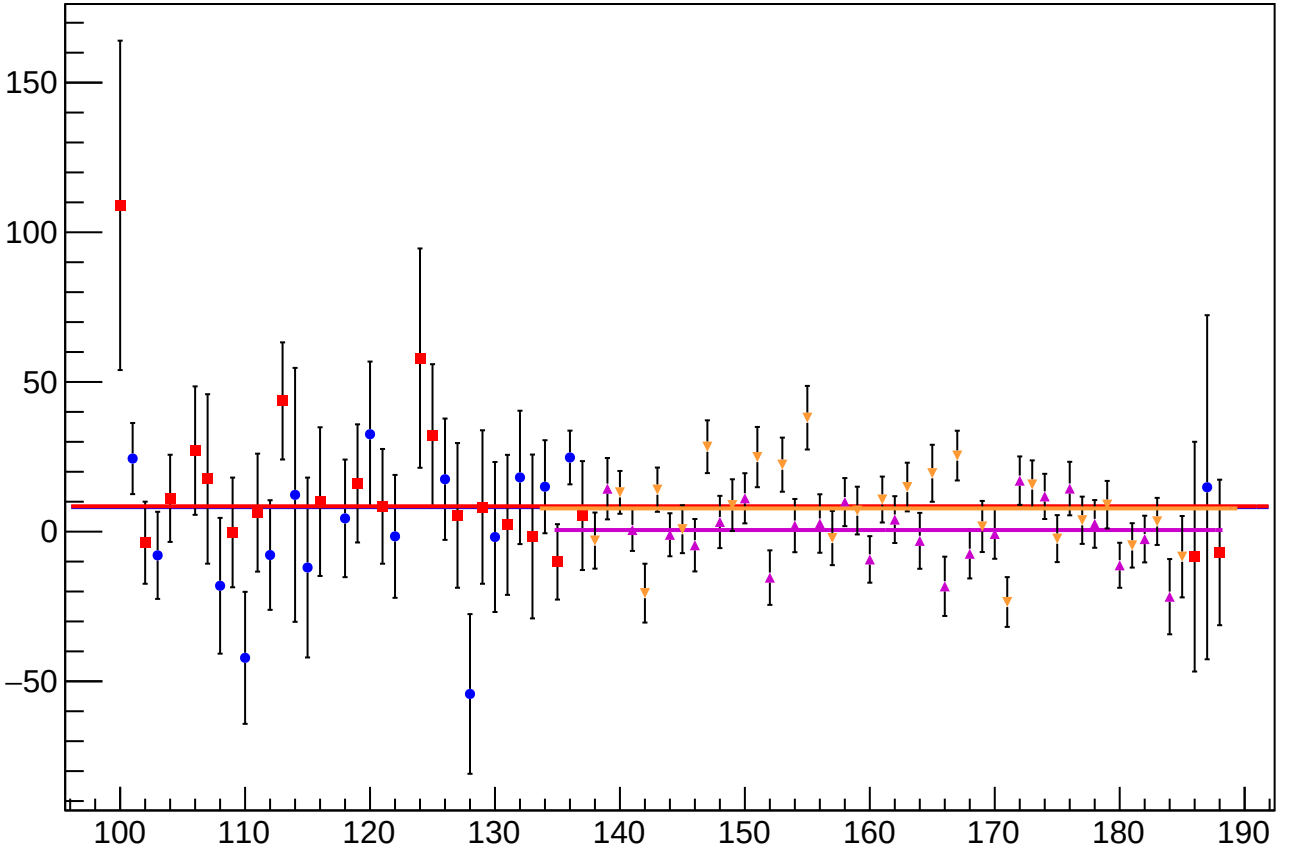
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11109.877+/-1.564 χ^2/NDF: 2750552.7/41

All: 11276.389+/-1.124 χ^2/NDF: 6737923.2/8

- sign 11454.374+/-1.617 χ^2/NDF: 3963906.3/43

diff_bpm4aediffX_mean vs Slug



Right In: 8.189+/-4.410 χ^2/NDF: 21.8/16

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 8.473+/-4.495 χ^2/NDF: 14.5/20

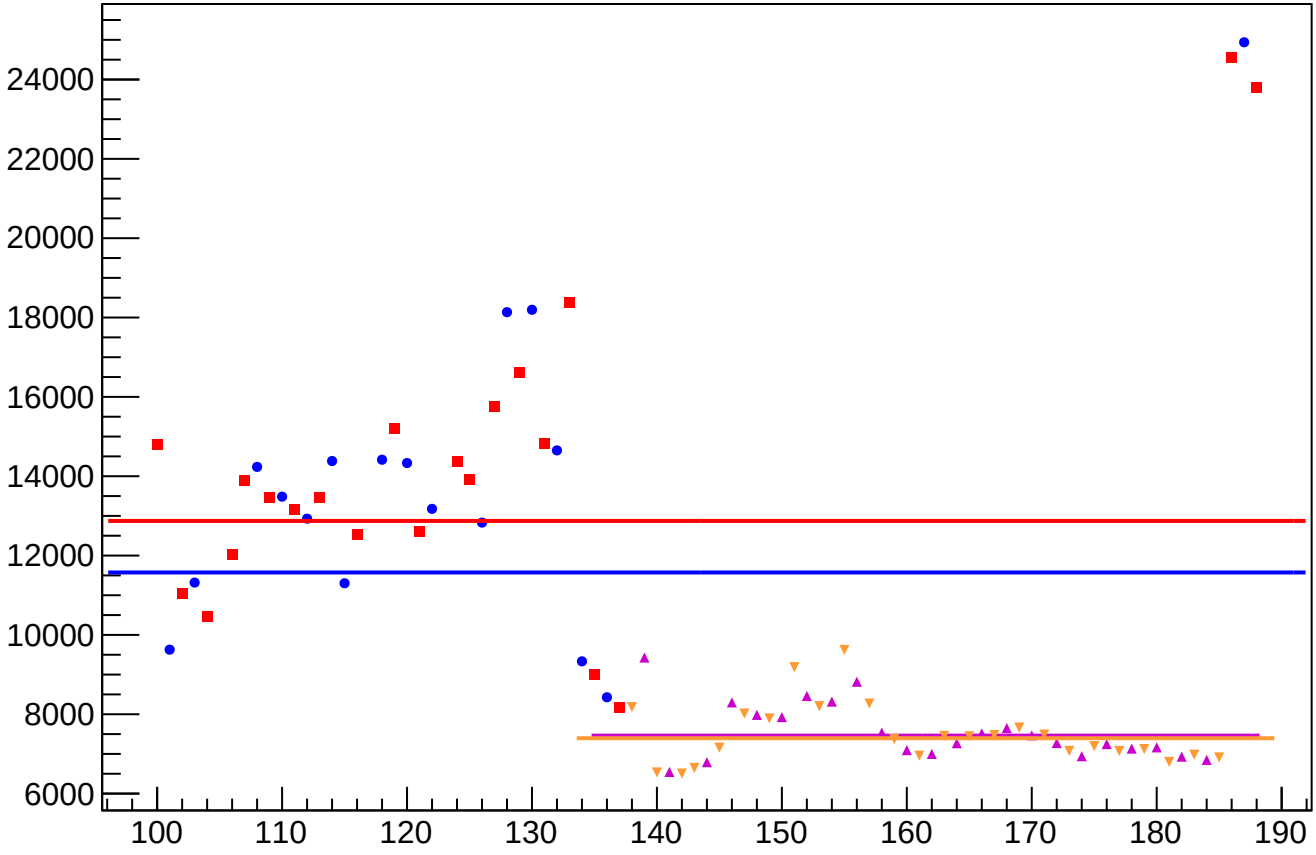
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.818+/-1.579 χ^2/NDF: 82.8/41

All: 4.801+/-1.135 χ^2/NDF: 137.0/85

- sign 1.579+/-1.632 χ^2/NDF: 46.6/43

diff_bpm4aediffX_rms vs Slug



Right In: 11574.110+/-3.118 χ^2/NDF: 898770.6/16

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 12873.807+/-3.179 χ^2/NDF: 1218510.6/20

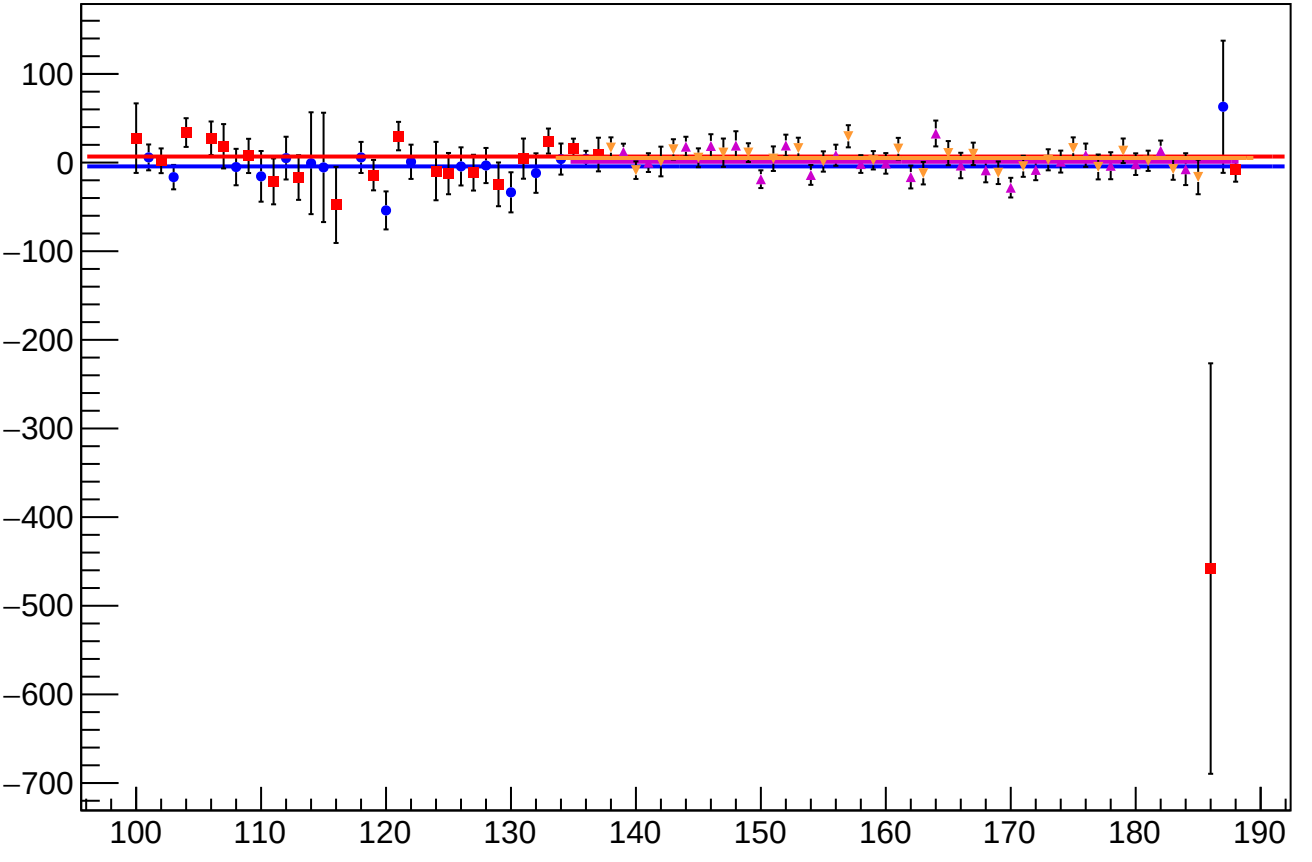
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 7931.579+/-1.117 χ^2/NDF: 2788580.8/41

All: 8049.053+/-0.803 χ^2/NDF: 6831439.0/85

- sign 8174.560+/-1.154 χ^2/NDF: 4019969.2/43

diff_bpm4aesumY_mean vs Slug



Right In: -4.327+/-4.546 χ^2/NDF: 11.1/16

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 6.807+/-4.177 χ^2/NDF: 22.6/20

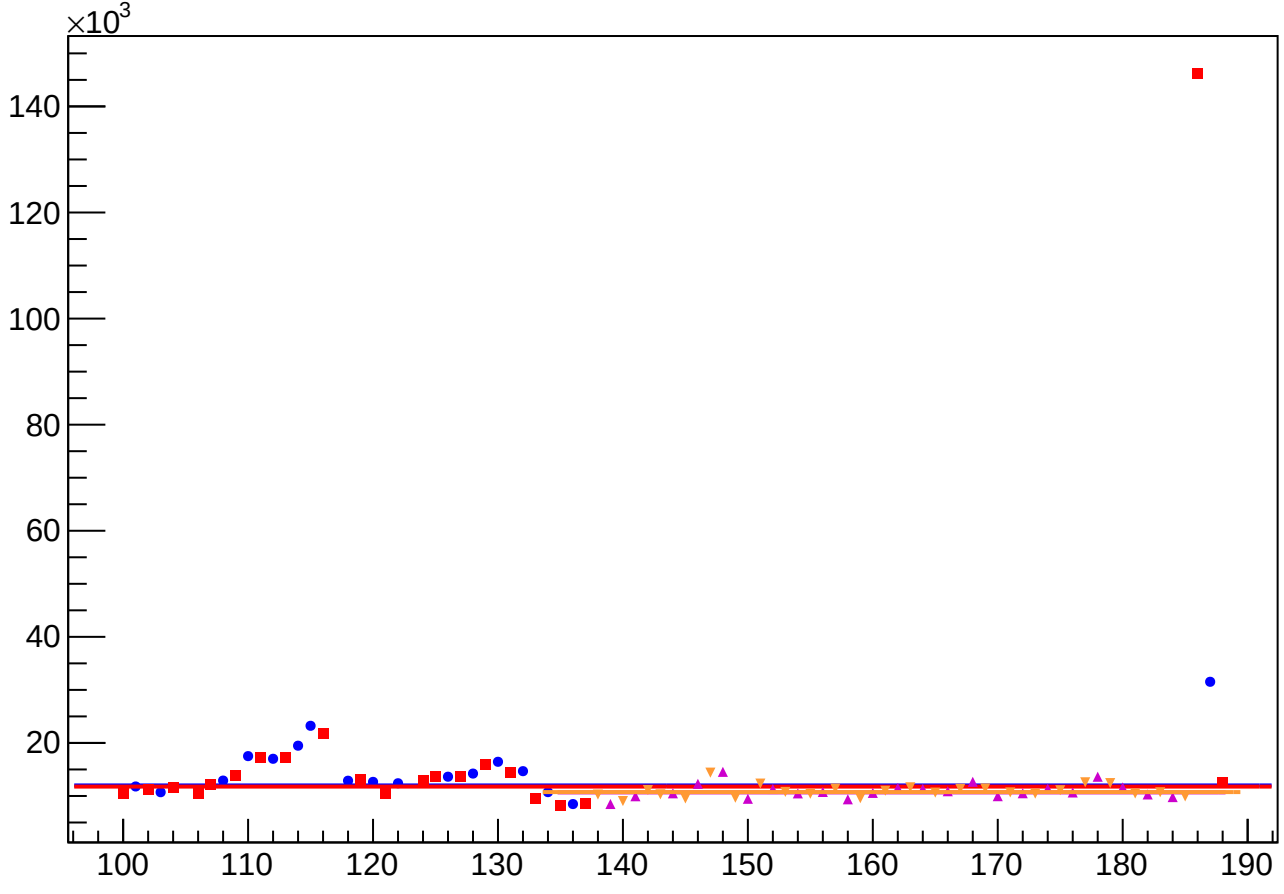
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.026+/-2.163 χ^2/NDF: 32.8/41

All: 2.747+/-1.527 χ^2/NDF: 88.7/85

- sign 2.469+/-2.157 χ^2/NDF: 55.8/43

diff_bpm4aesumY_rms vs Slug



Right In: 11989.239+/-3.214 χ^2/NDF: 887620.8/16

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 11770.188+/-2.954 χ^2/NDF: 1472095.9/20

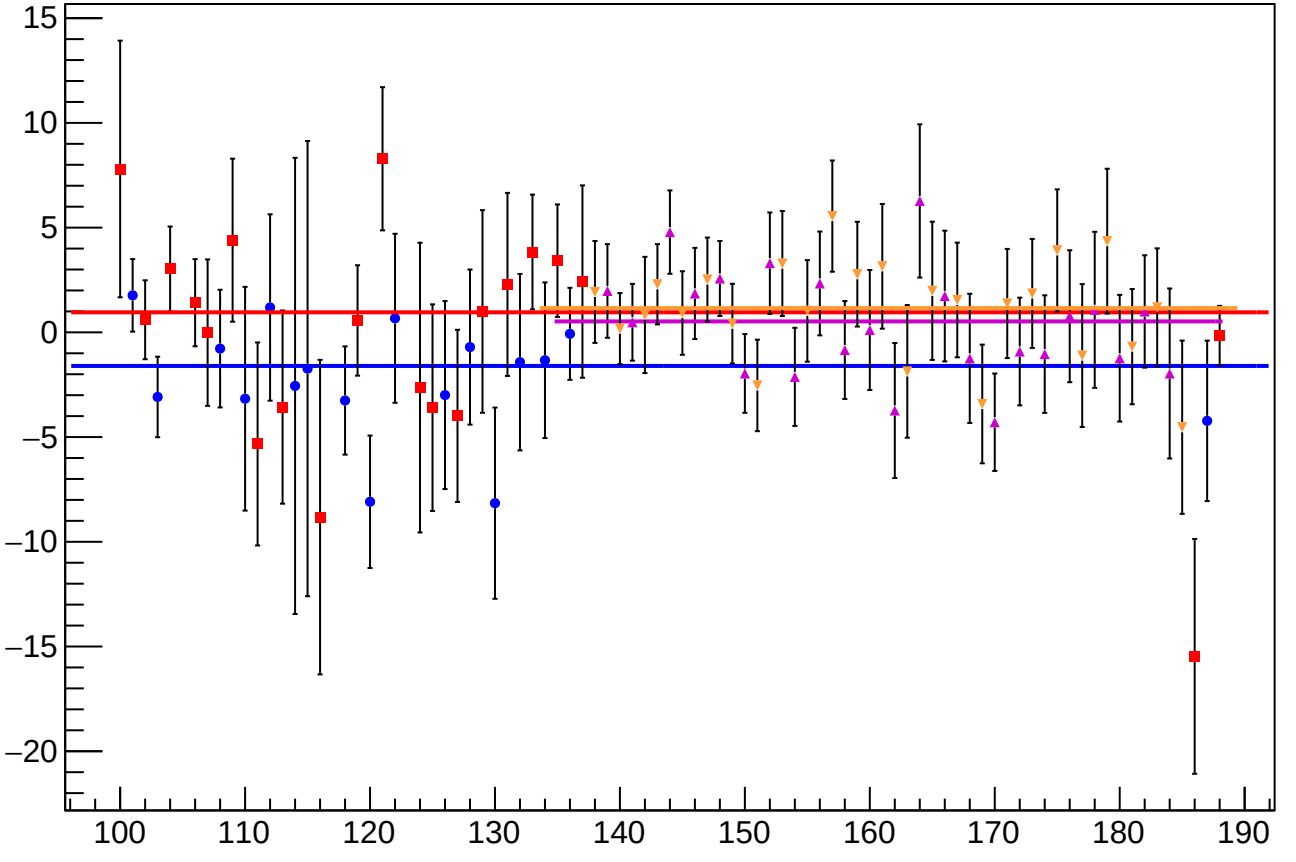
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 11017.941+/-1.529 χ^2/NDF: 1373938.7/41

All: 10993.185+/-1.080 χ^2/NDF: 3447566.0/8

- sign 10968.565+/-1.525 χ^2/NDF: 2073104.6/43

diff_bpm4aediffY_mean vs Slug



Right In: -1.604+/-0.763 χ^2/NDF: 13.1/16

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.956+/-0.656 χ^2/NDF: 26.1/20

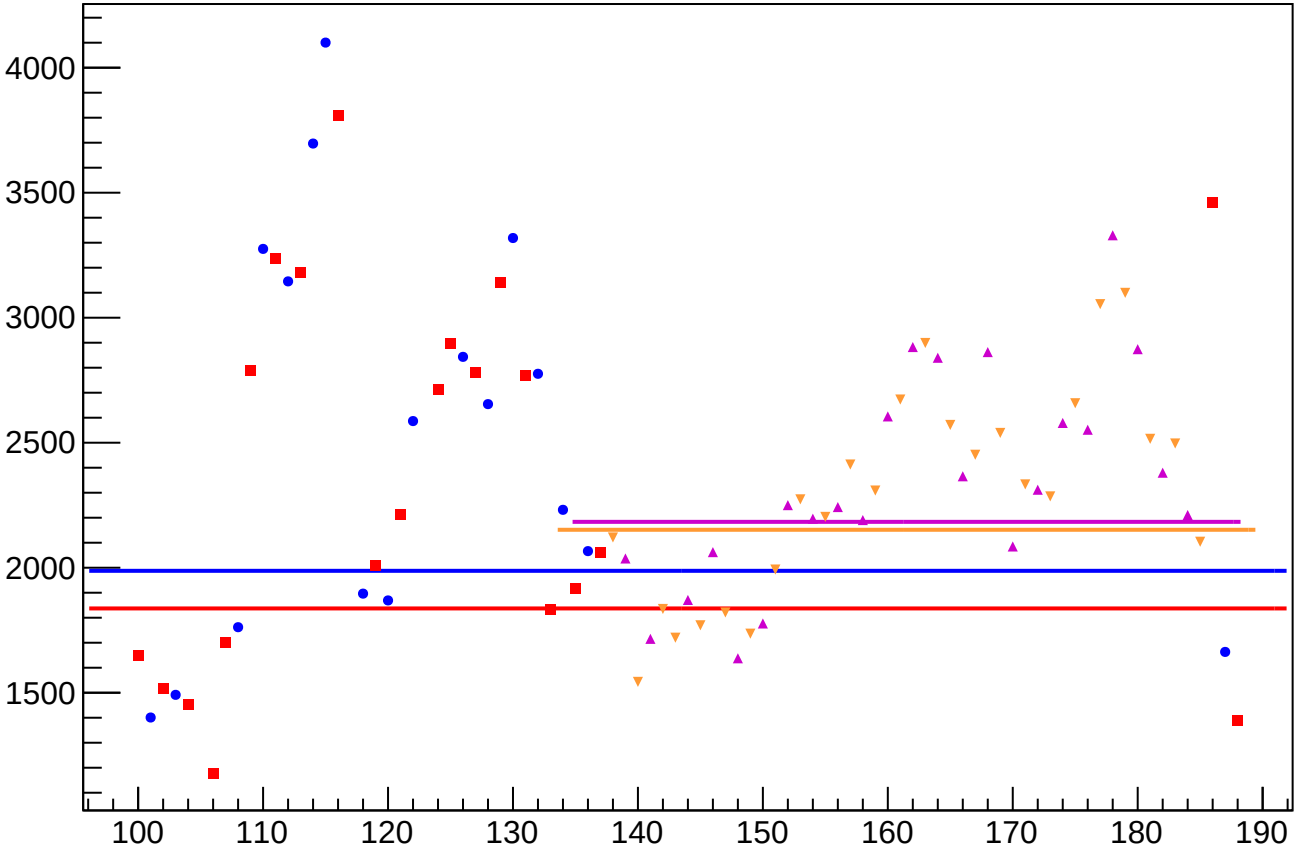
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.327+/-0.418 χ^2/NDF: 39.1/41

All: 0.513+/-0.292 χ^2/NDF: 88.1/85

- sign 0.690+/-0.407 χ^2/NDF: 48.7/43

diff_bpm4aediffY_rms vs Slug



Right In: 1987.608+/-0.539 χ^2/NDF: 1204720.3/16

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1837.128+/-0.464 χ^2/NDF: 1799591.6/20

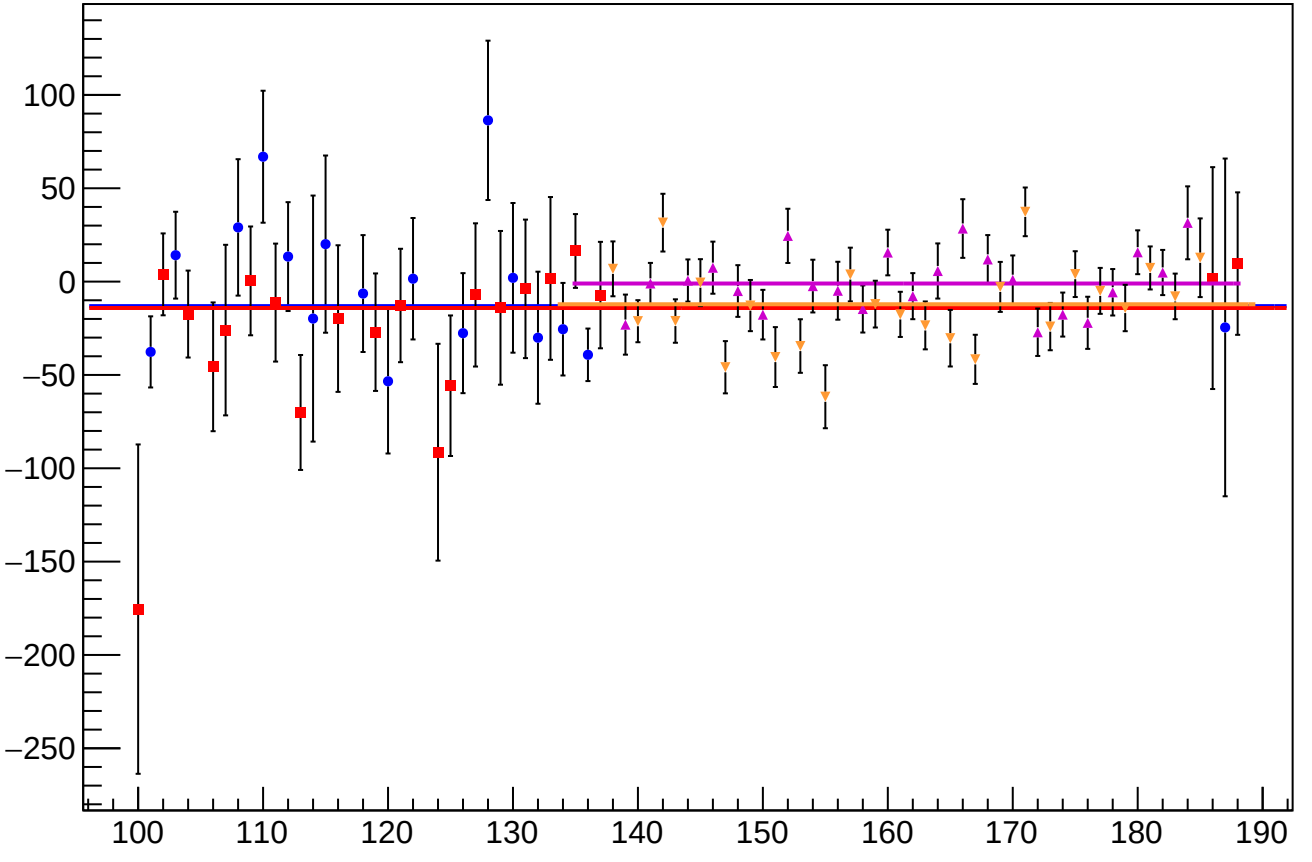
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 2102.394+/-0.296 χ^2/NDF: 2619046.3/41

All: 2075.377+/-0.206 χ^2/NDF: 5939934.8/85

- sign 2049.751+/-0.288 χ^2/NDF: 3304626.1/43

diff_bpmtargetsumX_mean vs Slug



Right In: -13.135+/-7.005 χ^2/NDF: 21.9/16

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: -14.134+/-7.138 χ^2/NDF: 14.8/20

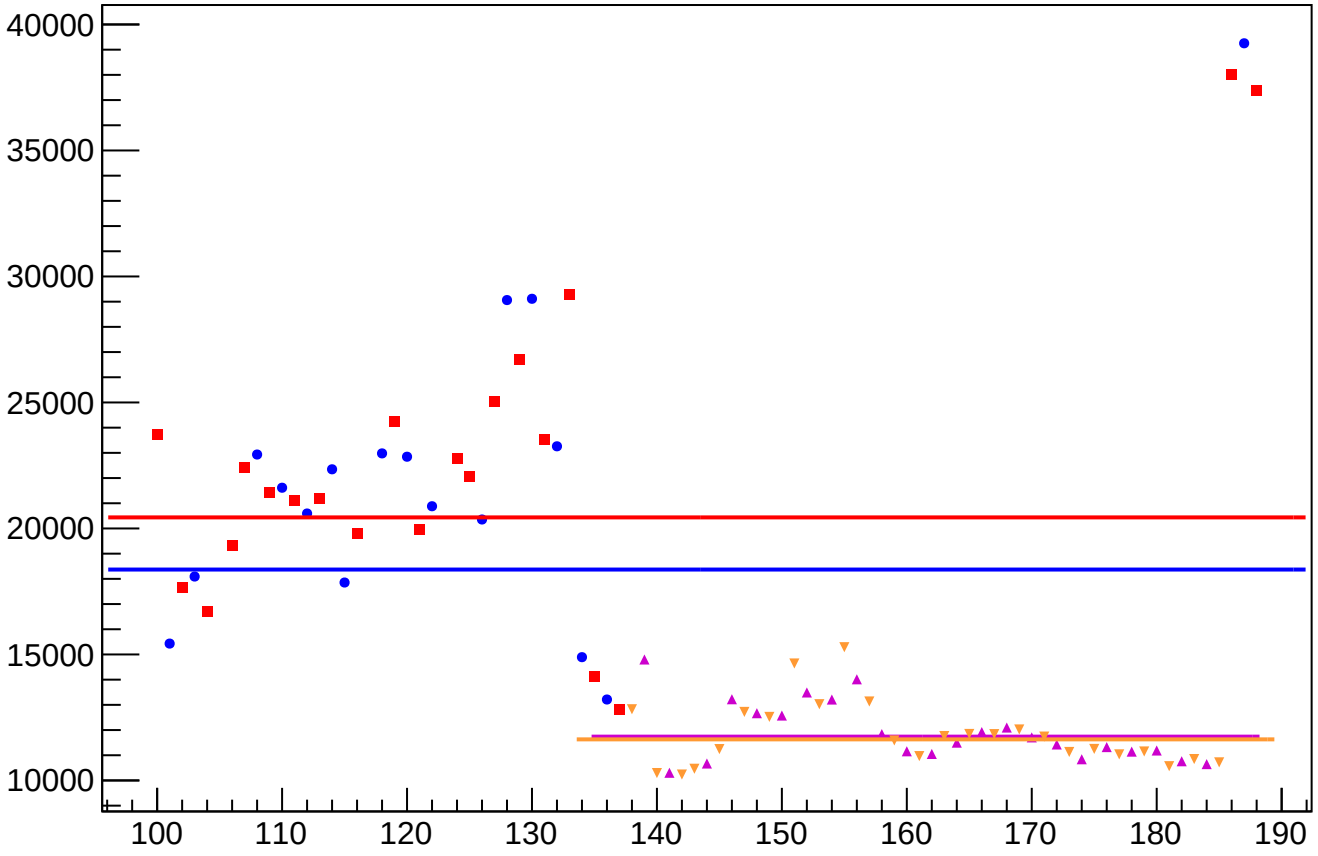
Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

+ sign -12.261+/-2.488 χ^2/NDF: 84.5/41

All: -7.653+/-1.788 χ^2/NDF: 138.2/85

- sign -2.727+/-2.572 χ^2/NDF: 46.6/43

diff_bpmtargetsumX_rms vs Slug



Right In: 18369.336+/-4.953 χ^2/NDF: 927065.8/16

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 20438.905+/-5.047 χ^2/NDF: 1220811.0/20

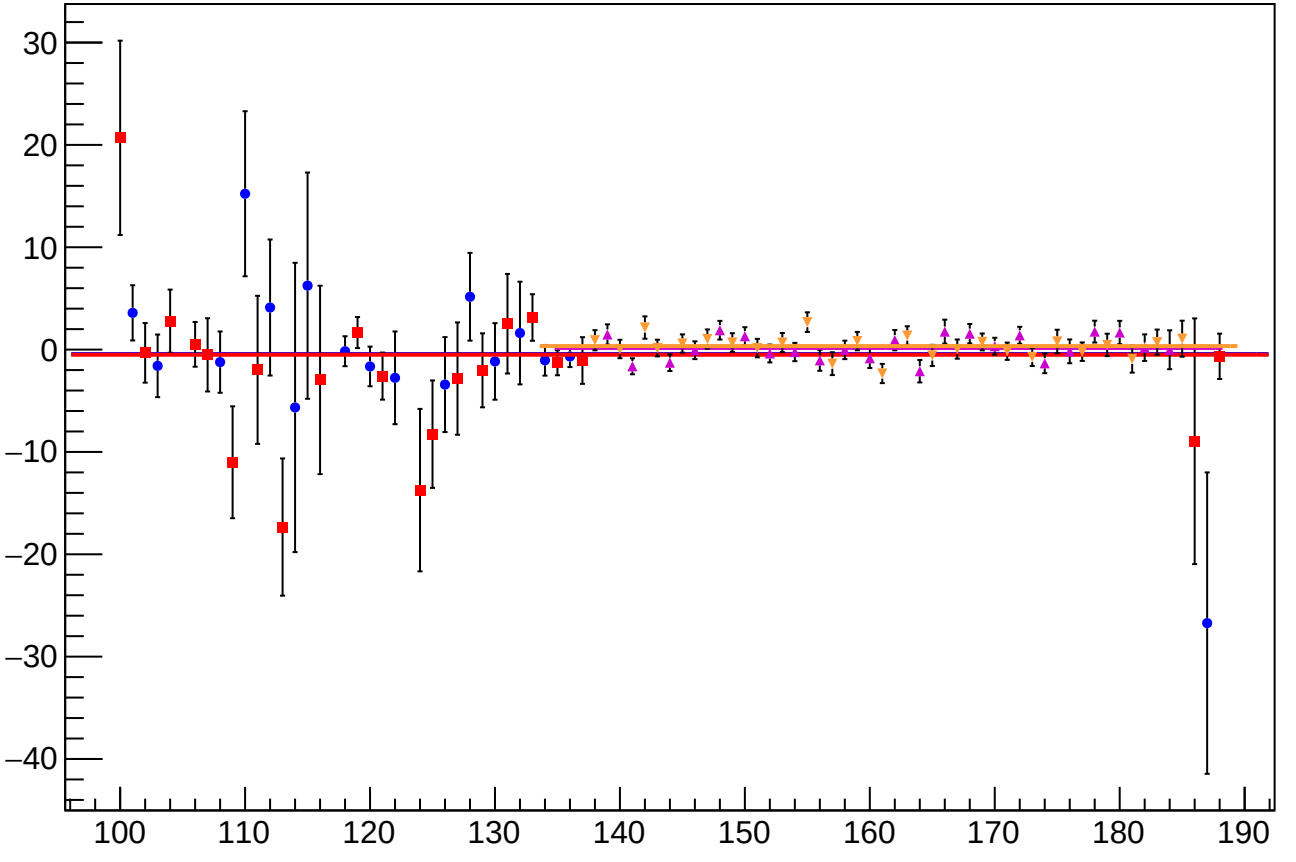
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

+ sign 12480.030+/-1.759 χ^2/NDF: 2900597.1/41

All: 12667.710+/-1.264 χ^2/NDF: 7044370.2/8

- sign 12868.374+/-1.819 χ^2/NDF: 4120217.9/43

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.438+/-0.600 χ^2/NDF: 13.6/16

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.501+/-0.609 χ^2/NDF: 28.6/20

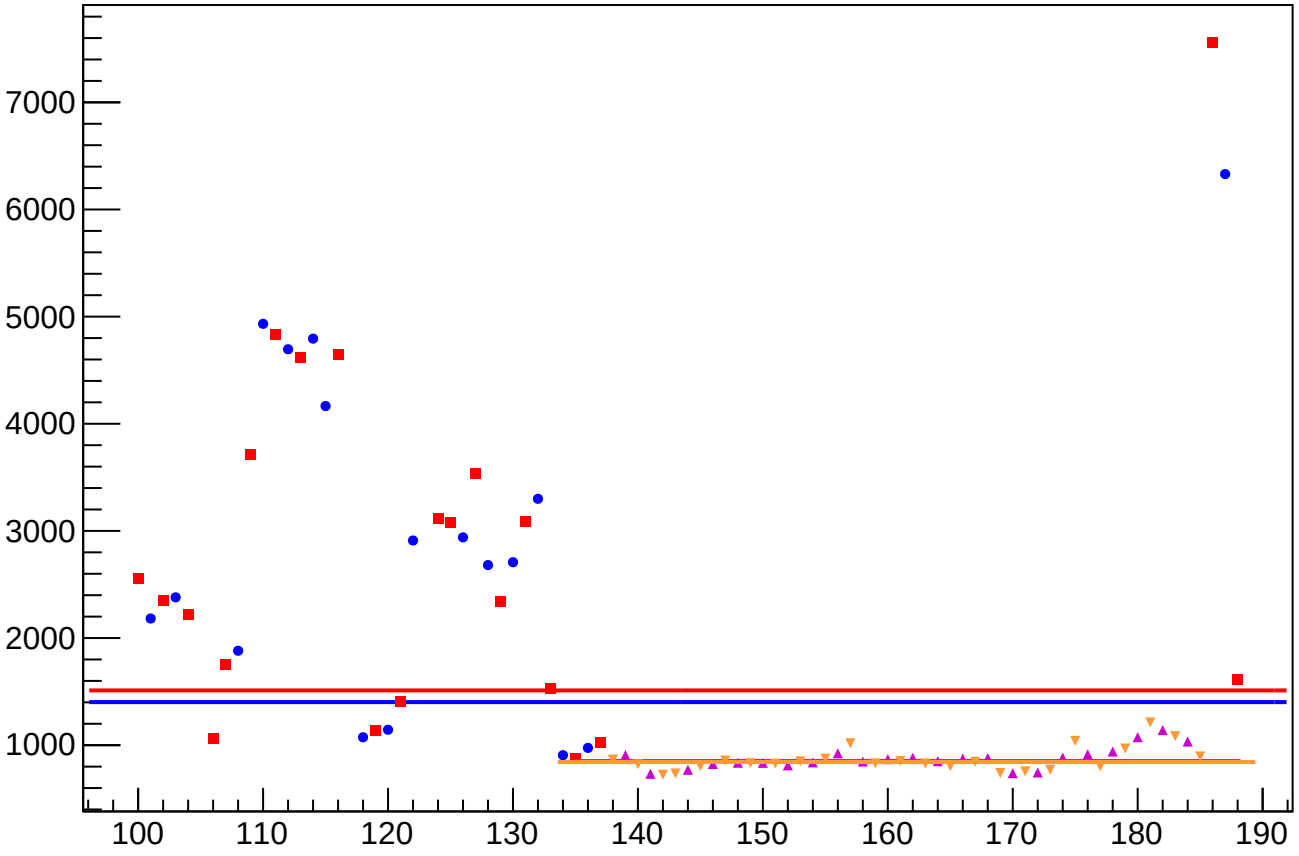
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.269+/-0.184 χ^2/NDF: 41.9/41

All: 0.187+/-0.133 χ^2/NDF: 108.3/85

- sign 0.100+/-0.191 χ^2/NDF: 66.0/43

diff_bpmtargetdiffX_rms vs Slug



Right In: 1402.100+/-0.424 χ^2/NDF: 3605474.1/16

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

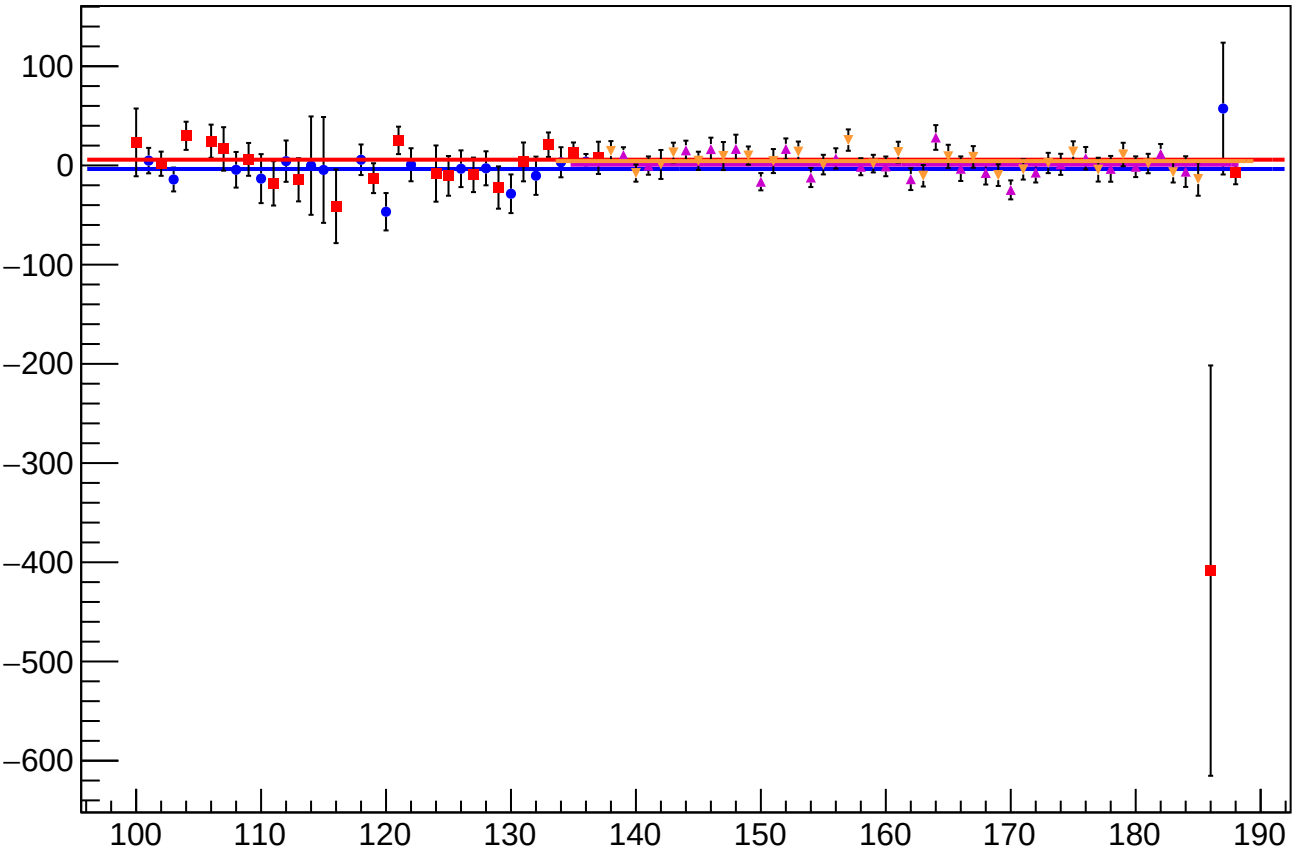
Right Out: 1511.191+/-0.430 χ^2/NDF: 3913723.3/20

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 896.098+/-0.130 χ^2/NDF: 5683445.6/41

All: 905.904+/-0.094 χ^2/NDF: 12109431.1/85

- sign 916.400+/-0.135 χ^2/NDF: 6414272.5/43



Right In: -3.580+/-3.936 χ^2/NDF: 10.9/16

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

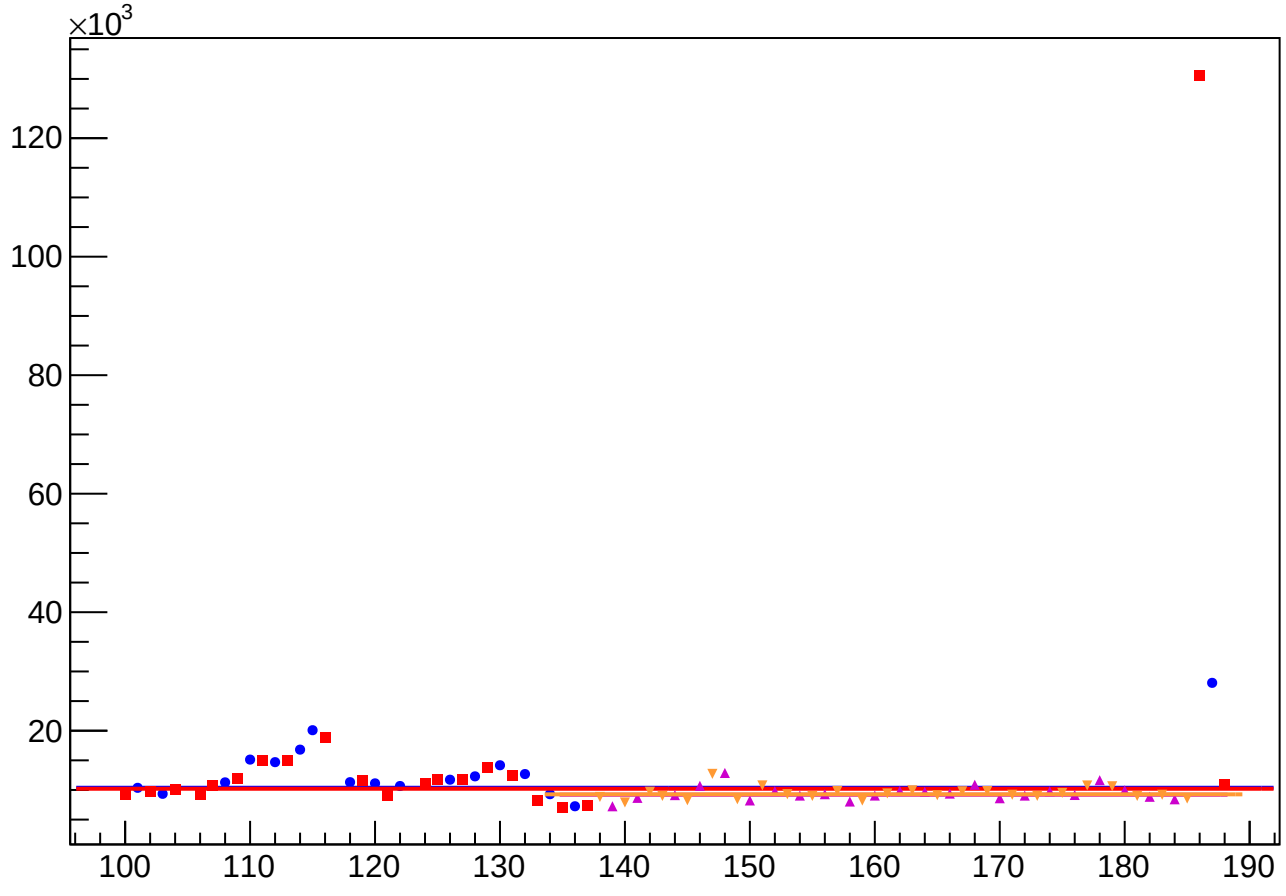
Right Out: 5.808+/-3.626 χ^2/NDF: 22.6/20

Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.590+/-1.868 χ^2/NDF: 32.7/41

All: 2.331+/-1.319 χ^2/NDF: 88.8/85

- sign 2.073+/-1.862 χ^2/NDF: 56.0/43



Right In: 10372.341+/-2.783 χ^2/NDF: 913076.2/16

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 10207.226+/-2.564 χ^2/NDF: 1480123.9/20

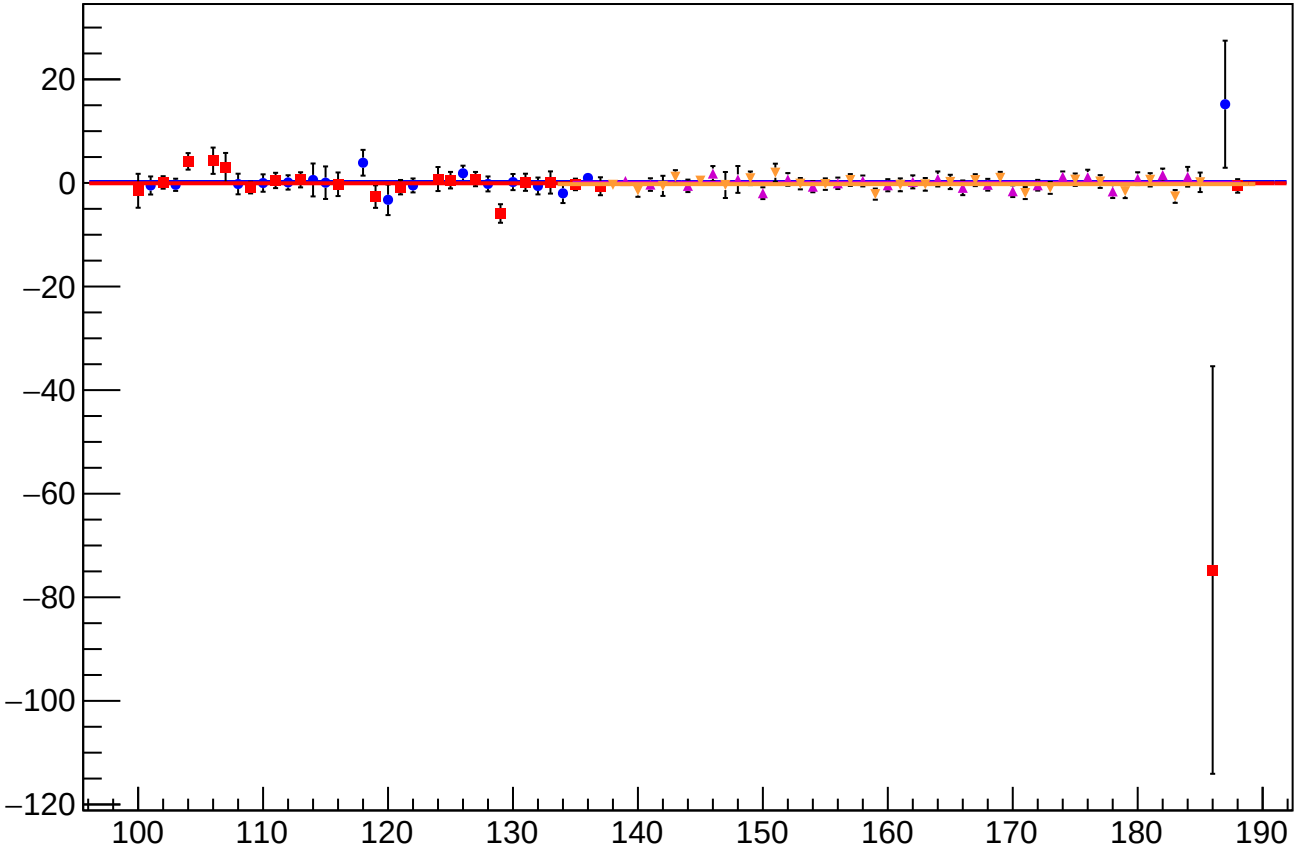
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9511.612+/-1.321 χ^2/NDF: 1402568.6/41

All: 9488.458+/-0.932 χ^2/NDF: 3512538.6/85

- sign 9465.434+/-1.317 χ^2/NDF: 2109356.9/43

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.180+/-0.386 χ^2/NDF: 9.6/16

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.065+/-0.358 χ^2/NDF: 28.9/20

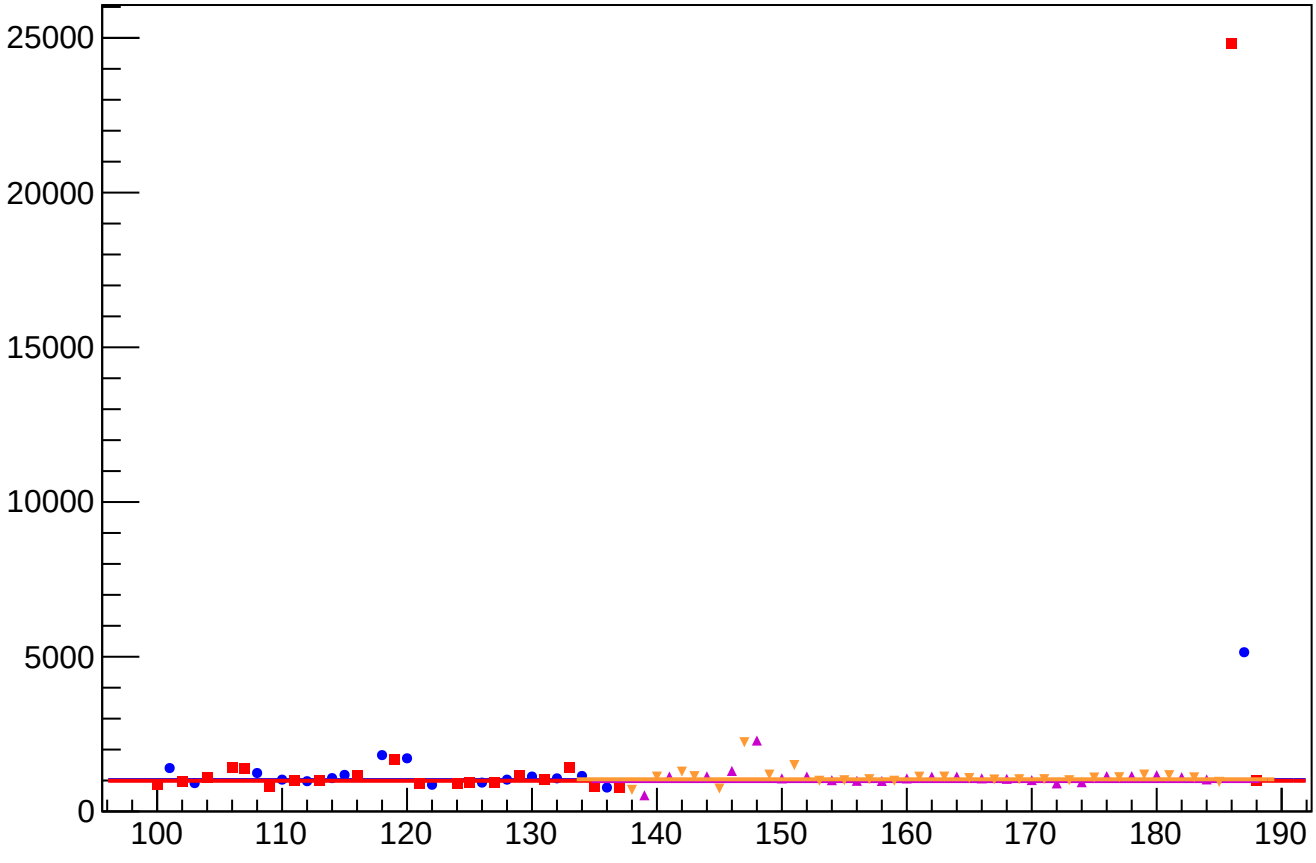
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.113+/-0.206 χ^2/NDF: 29.4/41

All: -0.056+/-0.143 χ^2/NDF: 73.7/85

- sign -0.003+/-0.199 χ^2/NDF: 44.2/43

diff_bpmtargetdiffY_rms vs Slug



Right In: 1013.318+/-0.273 χ^2/NDF: 926400.7/16

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 992.262+/-0.253 χ^2/NDF: 1309455.5/20

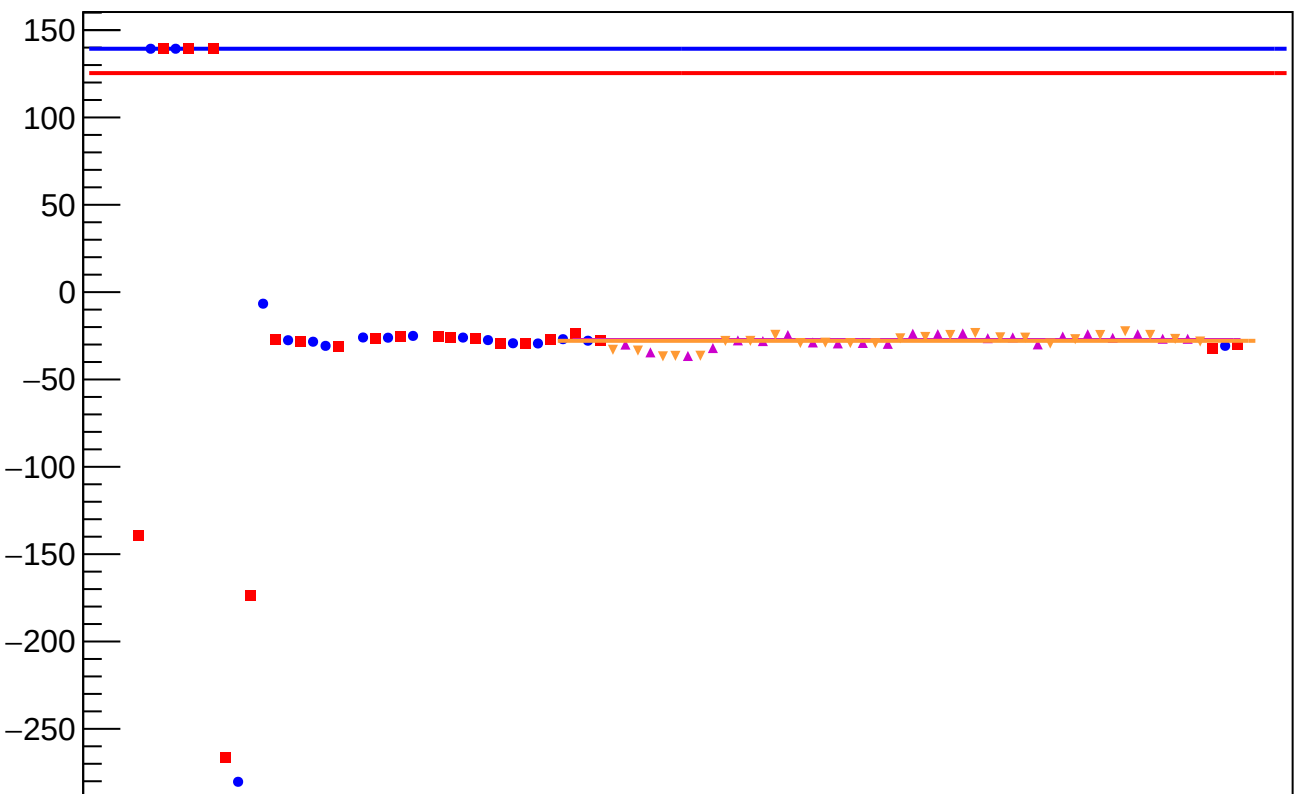
Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 1032.000+/-0.146 χ^2/NDF: 2272692.2/41

All: 1007.649+/-0.101 χ^2/NDF: 5862505.4/85

- sign 984.942+/-0.141 χ^2/NDF: 3535758.8/43

yield_cav4bX_mean vs Slug



Right In: 139.337+/-0.000 χ^2/NDF: 47418693499.1/16

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

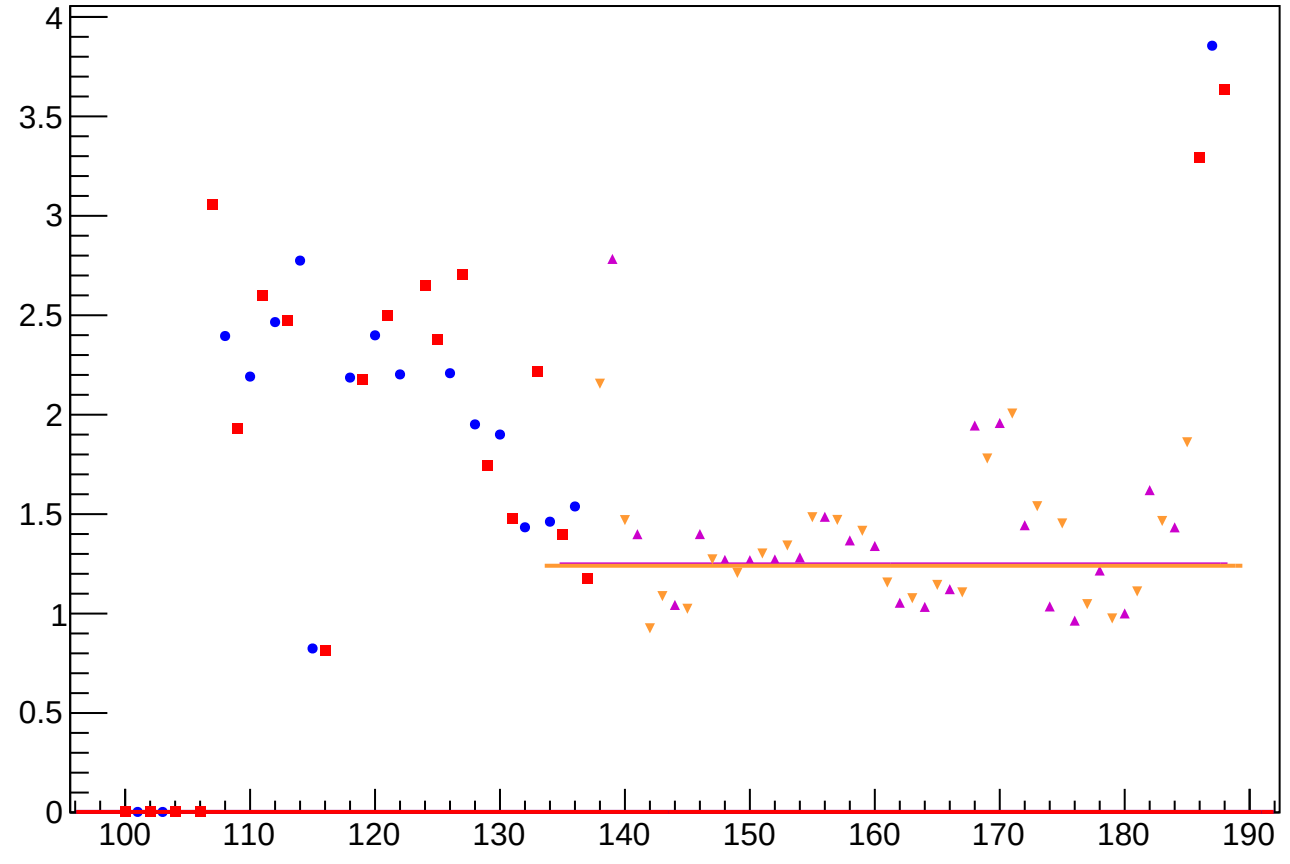
Right Out: 125.392+/-0.000 χ^2/NDF: 774175671459287.8/20

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.328+/-0.000 χ^2/NDF: 321962498415.9/4

All: 131.810+/-0.000 χ^2/NDF: 79349048150

- sign 125.385+/-0.000 χ^2/NDF: 774389324903244



Right In: 0.003+/-0.000 χ^2/NDF: 9905001.9/16

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

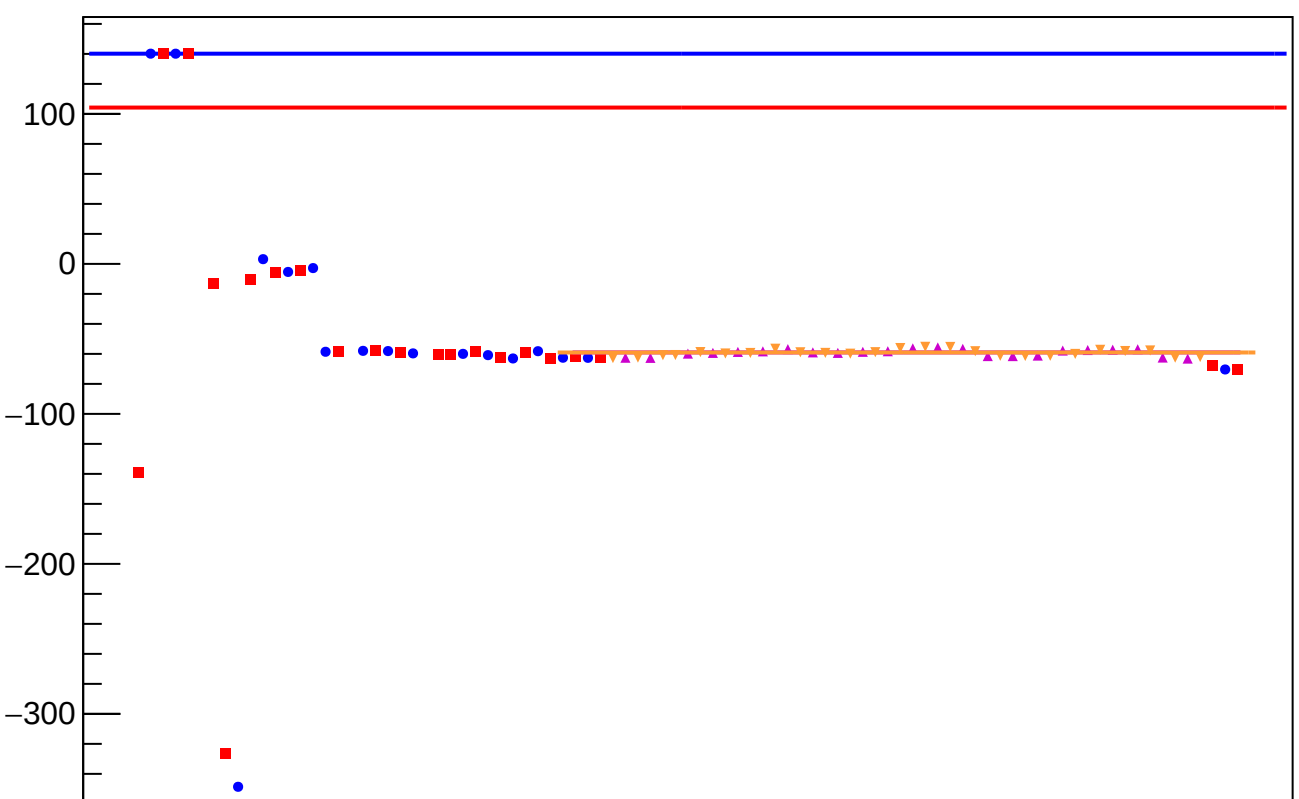
Right Out: 0.003+/-0.000 χ^2/NDF: 12319601.1/20

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 41203645.4/41

All: 0.003+/-0.000 χ^2/NDF: 83290898.7/85

- sign 0.003+/-0.000 χ^2/NDF: 42086898.9/43



Right In: 140.143+/-0.000 χ^2/NDF: 188323893433.1/16

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.224+/-0.000 χ^2/NDF: 1257412029135825.5/20

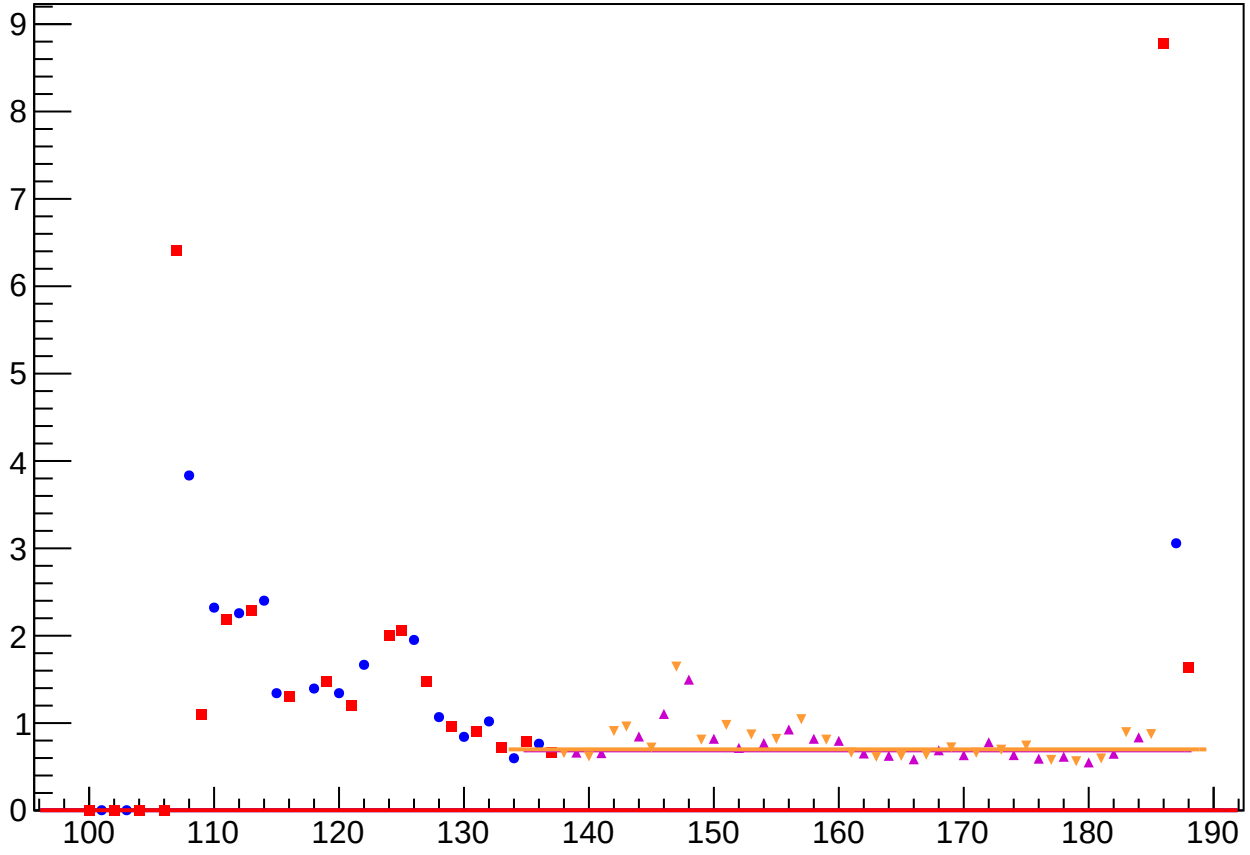
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.107+/-0.000 χ^2/NDF: 1485514856617.3

All: 120.801+/-0.000 χ^2/NDF: 13830067679

- sign 104.199+/-0.000 χ^2/NDF: 125826909118144

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10941922.3/16

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

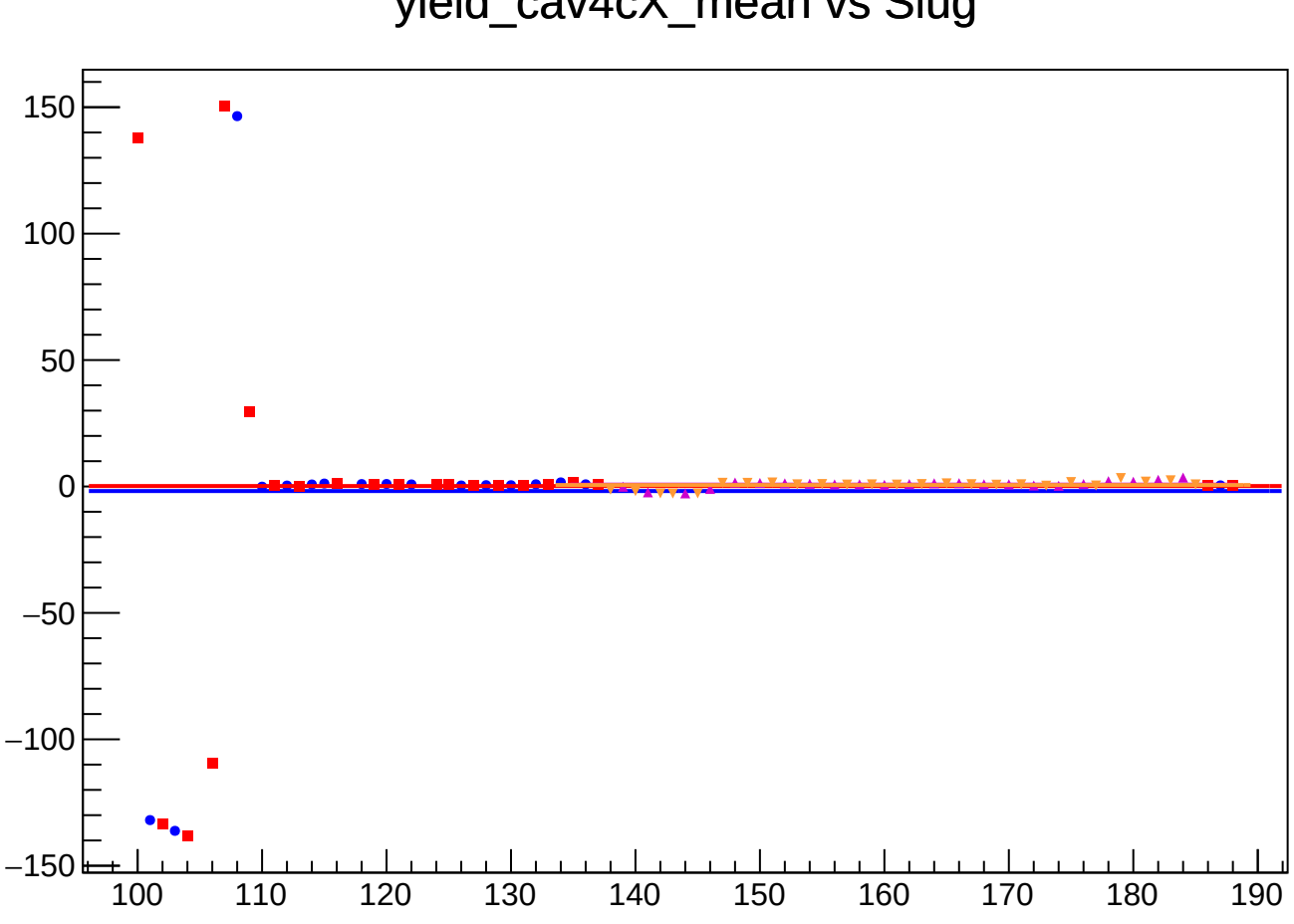
Right Out: 0.003+/-0.000 χ^2/NDF: 12802378.2/20

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 43996265.6/41

All: 0.003+/-0.000 χ^2/NDF: 88109475.1/85

- sign 0.003+/-0.000 χ^2/NDF: 44112695.5/43



Right In: -1.804+/-0.000 χ^2/NDF: 9887686836.5/16

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.175+/-0.000 χ^2/NDF: 3611269860.8/20

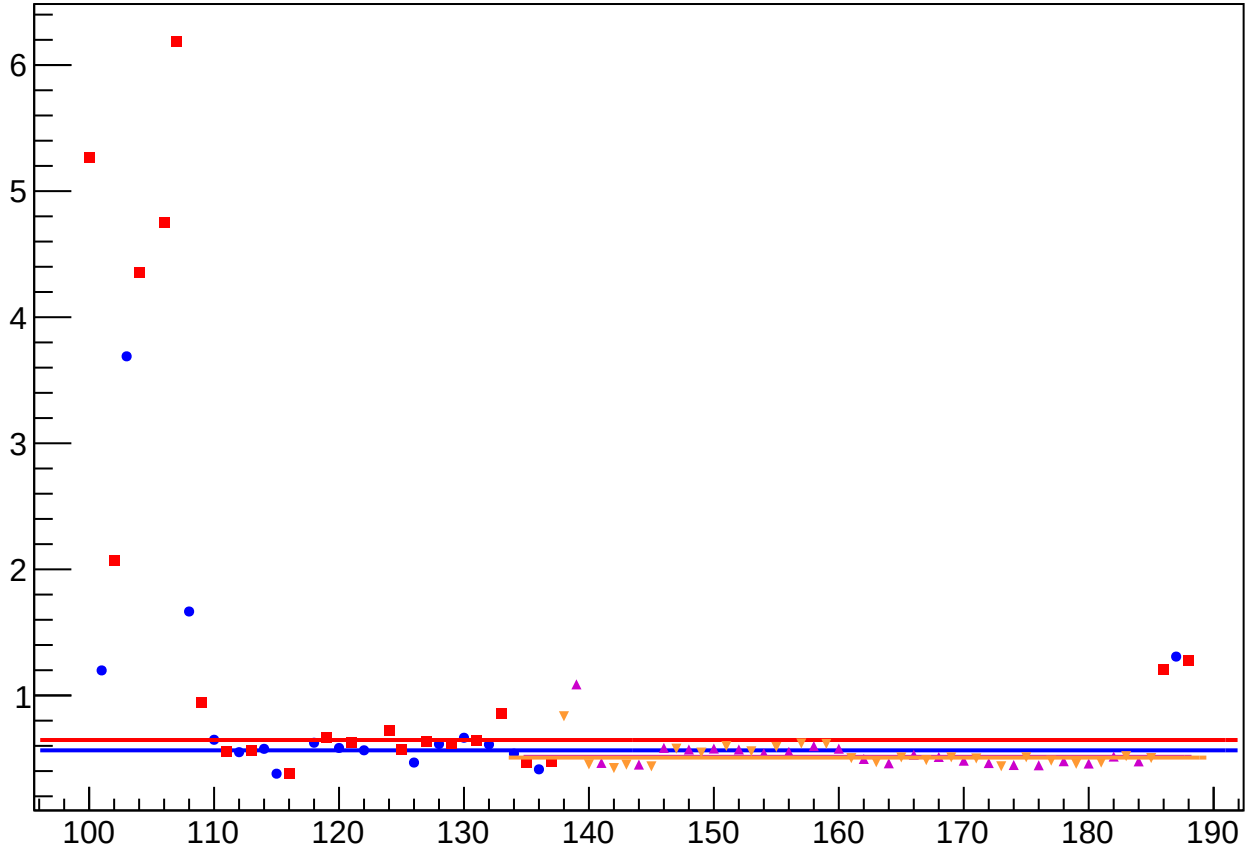
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.074+/-0.000 χ^2/NDF: 10114554385.1/41

All: 0.334+/-0.000 χ^2/NDF: 13845416874.7/8

- sign 0.620+/-0.000 χ^2/NDF: 3719923143.4/43

yield_cav4cX_rms vs Slug



Right In: 0.564+/-0.000 χ^2/NDF: 1711187.4/16

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.646+/-0.000 χ^2/NDF: 3118628.6/20

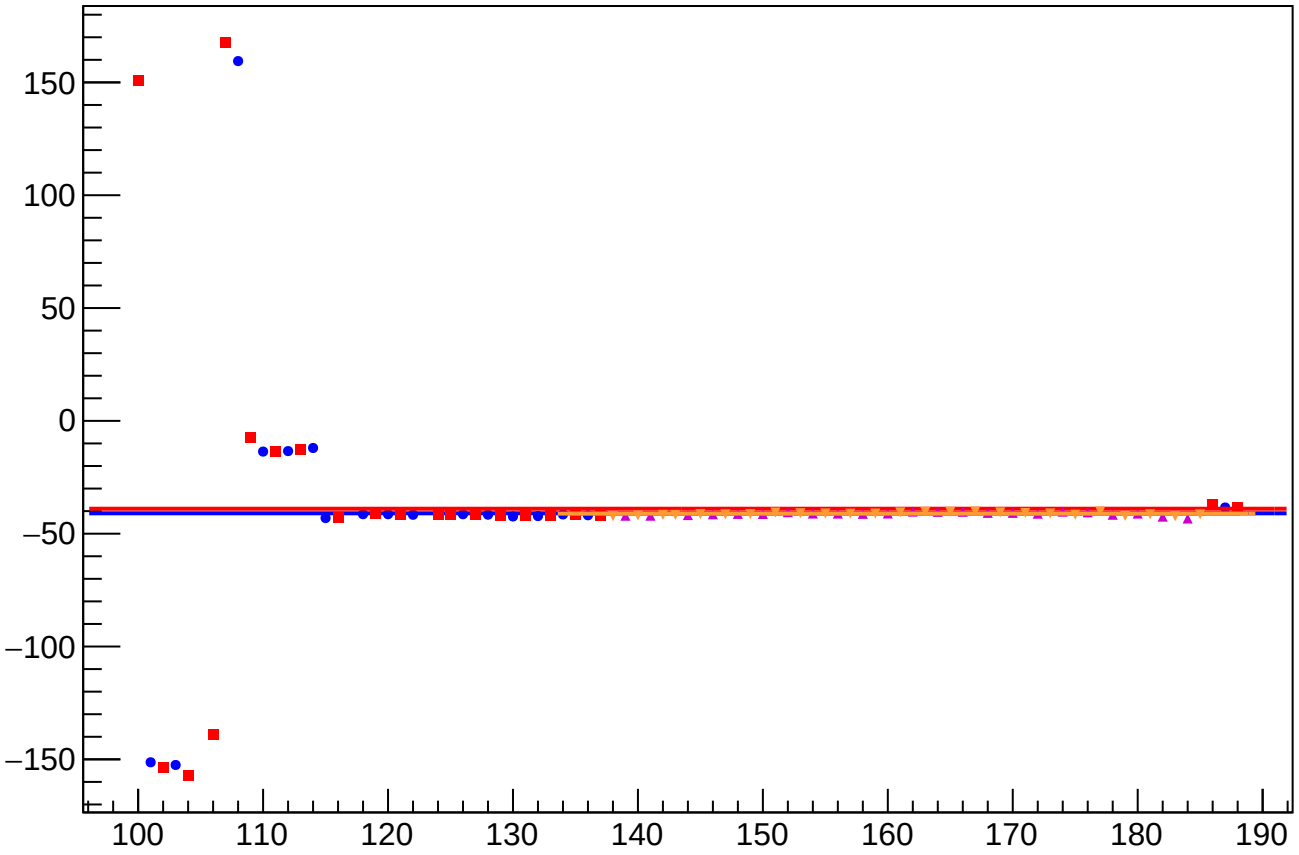
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.519+/-0.000 χ^2/NDF: 2350438.0/41

All: 0.529+/-0.000 χ^2/NDF: 6658773.7/85

- sign 0.540+/-0.000 χ^2/NDF: 4276826.3/43

yield_cav4cY_mean vs Slug



Right In: -40.966+/-0.000 χ^2/NDF: 3450639244.5/16

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.931+/-0.000 χ^2/NDF: 2483039654.6/20

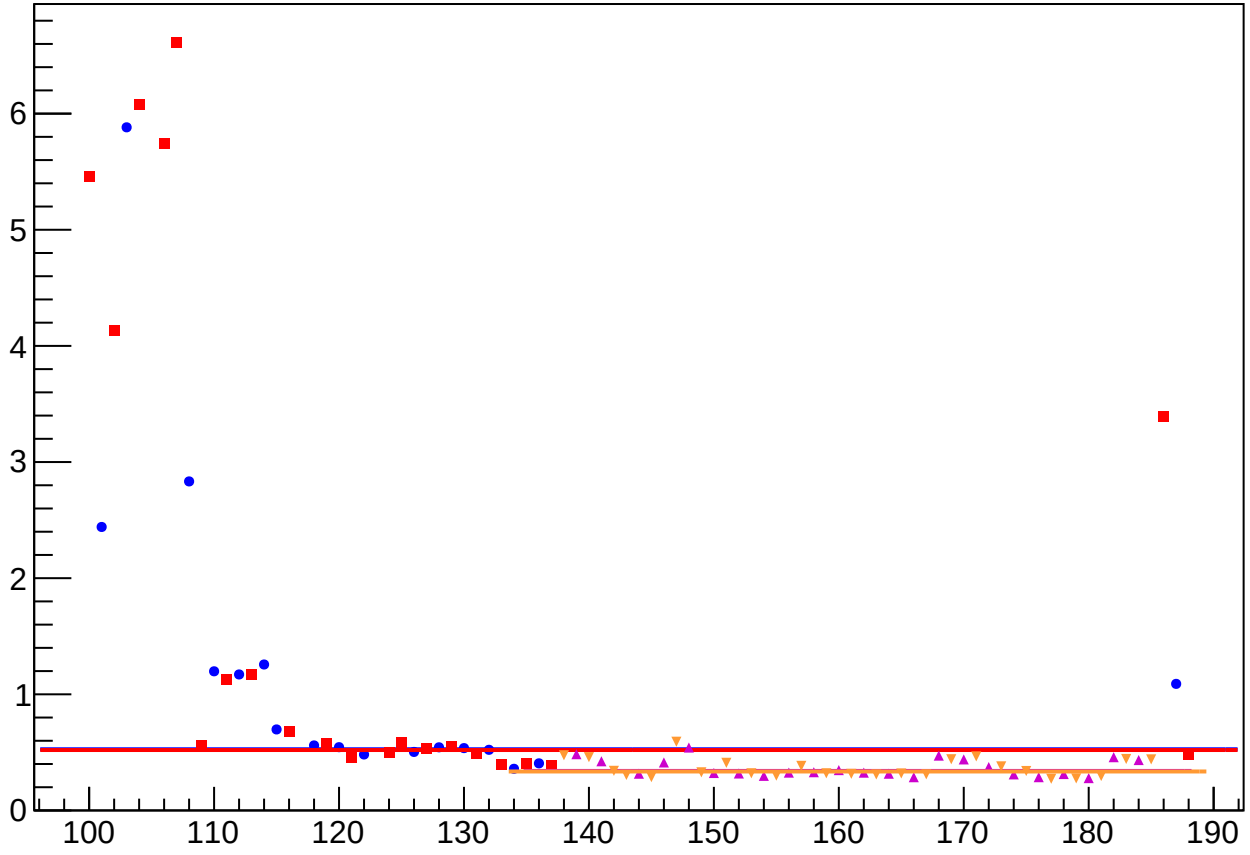
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -41.079+/-0.000 χ^2/NDF: 3511156726.2/41

All: -40.921+/-0.000 χ^2/NDF: 6138135684.3/

- sign -40.755+/-0.000 χ^2/NDF: 2617983408.2/43

yield_cav4cY_rms vs Slug



Right In: 0.527+/-0.000 χ^2/NDF: 3046195.7/16

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

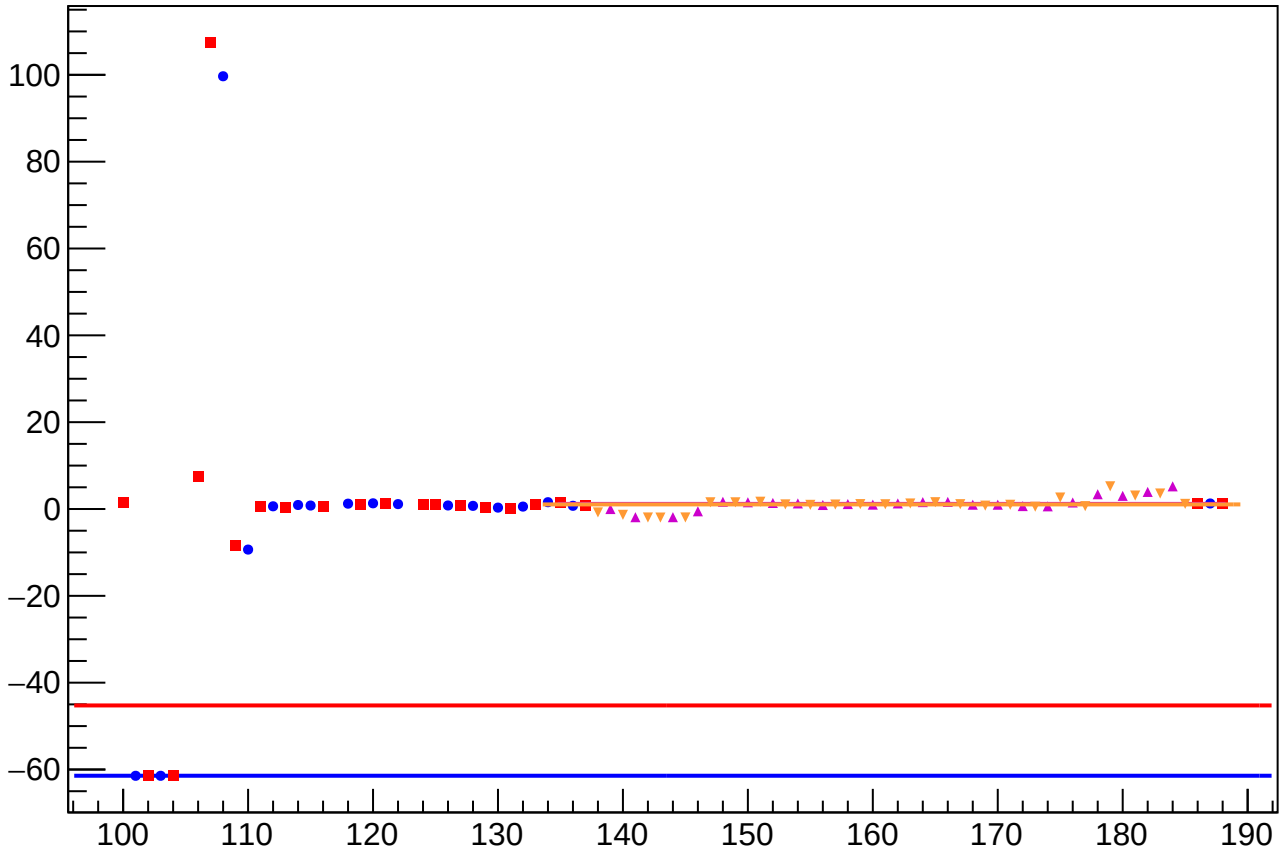
Right Out: 0.520+/-0.000 χ^2/NDF: 3827702.1/20

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.356+/-0.000 χ^2/NDF: 5498342.7/41

All: 0.360+/-0.000 χ^2/NDF: 11634074.6/85

- sign 0.364+/-0.000 χ^2/NDF: 6124837.0/43



Right In: -61.436+/-0.000 χ^2/NDF: 274033836672.5/16

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357872661260022.4/20

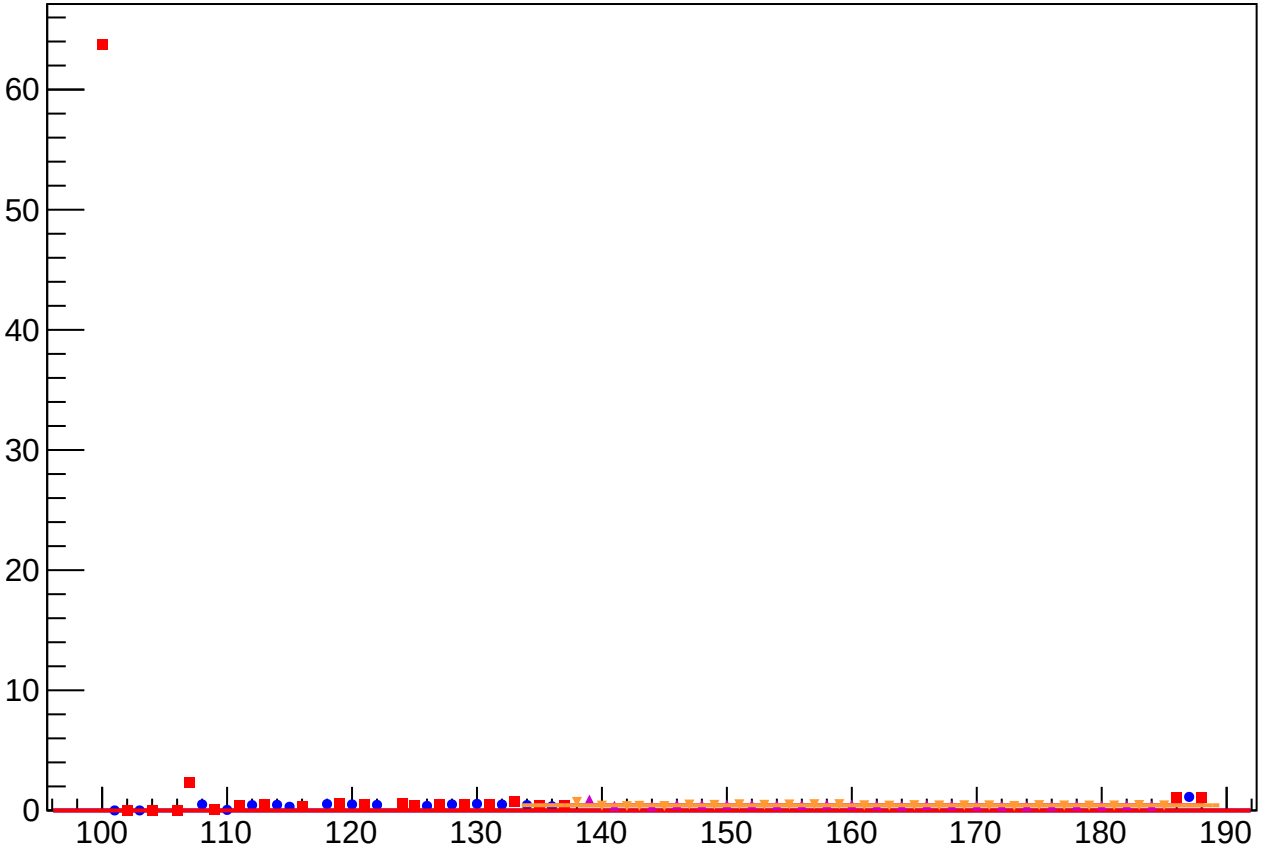
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 604042237384.9/4

All: -52.738+/-0.000 χ^2/NDF: 409594880412

- sign -45.236+/-0.000 χ^2/NDF: 358039227322974.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9503316.0/16

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

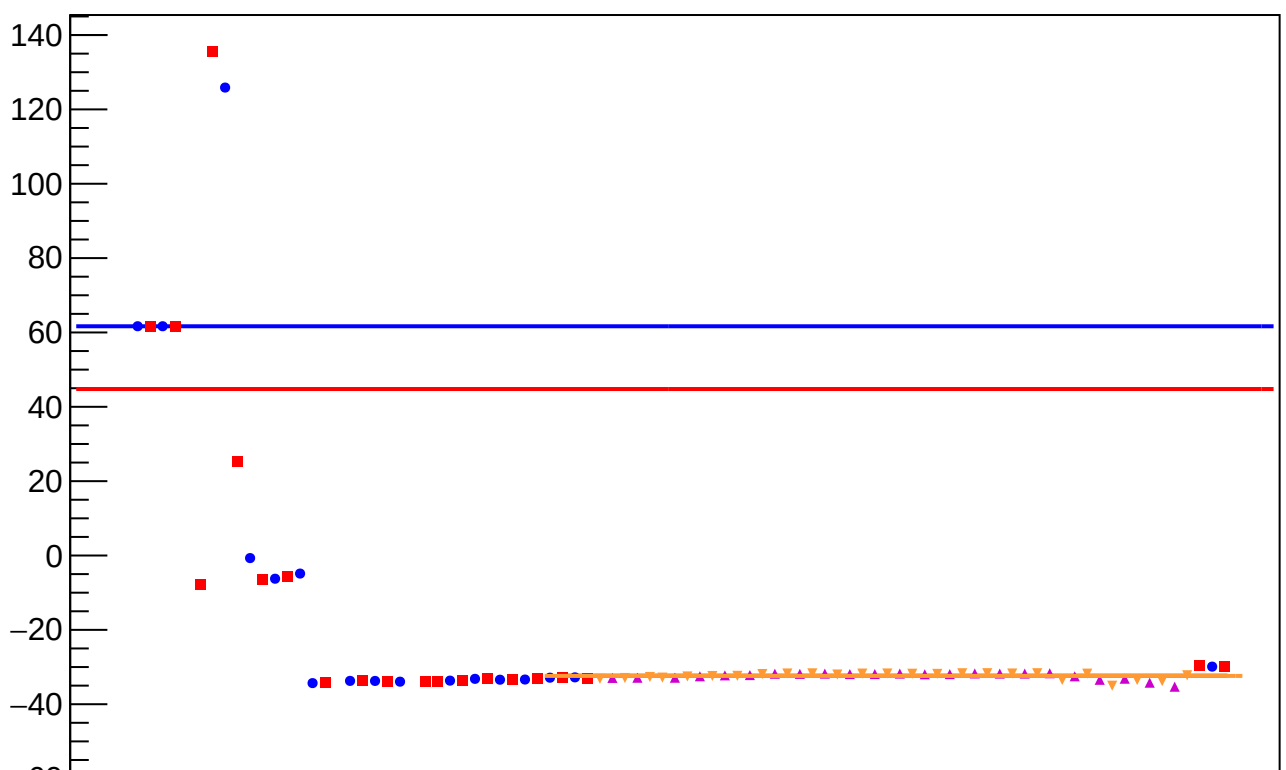
Right Out: 0.001+/-0.000 χ^2/NDF: 11919270.3/20

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 41269013.8/41

All: 0.002+/-0.000 χ^2/NDF: 83331395.8/85

- sign 0.002+/-0.000 χ^2/NDF: 42062228.9/43



Right In: 61.662+/-0.000 χ^2/NDF: 371329689584.4/16

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.784+/-0.000 χ^2/NDF: 366127200197175.9/20

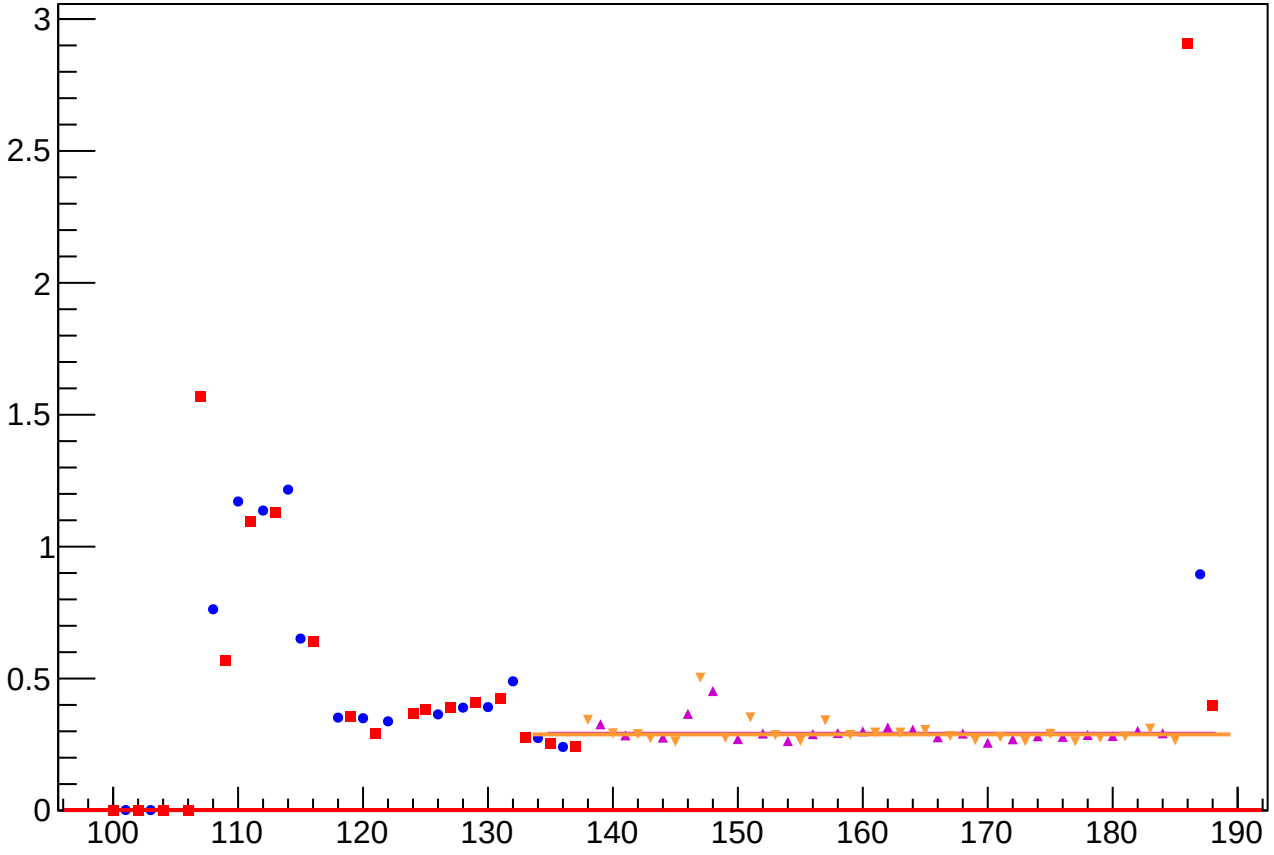
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.600+/-0.000 χ^2/NDF: 2329460390295.0/4

All: 52.637+/-0.000 χ^2/NDF: 420703912833

- sign 44.743+/-0.000 χ^2/NDF: 367354980439868.4

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11380347.4/16

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 13119957.1/20

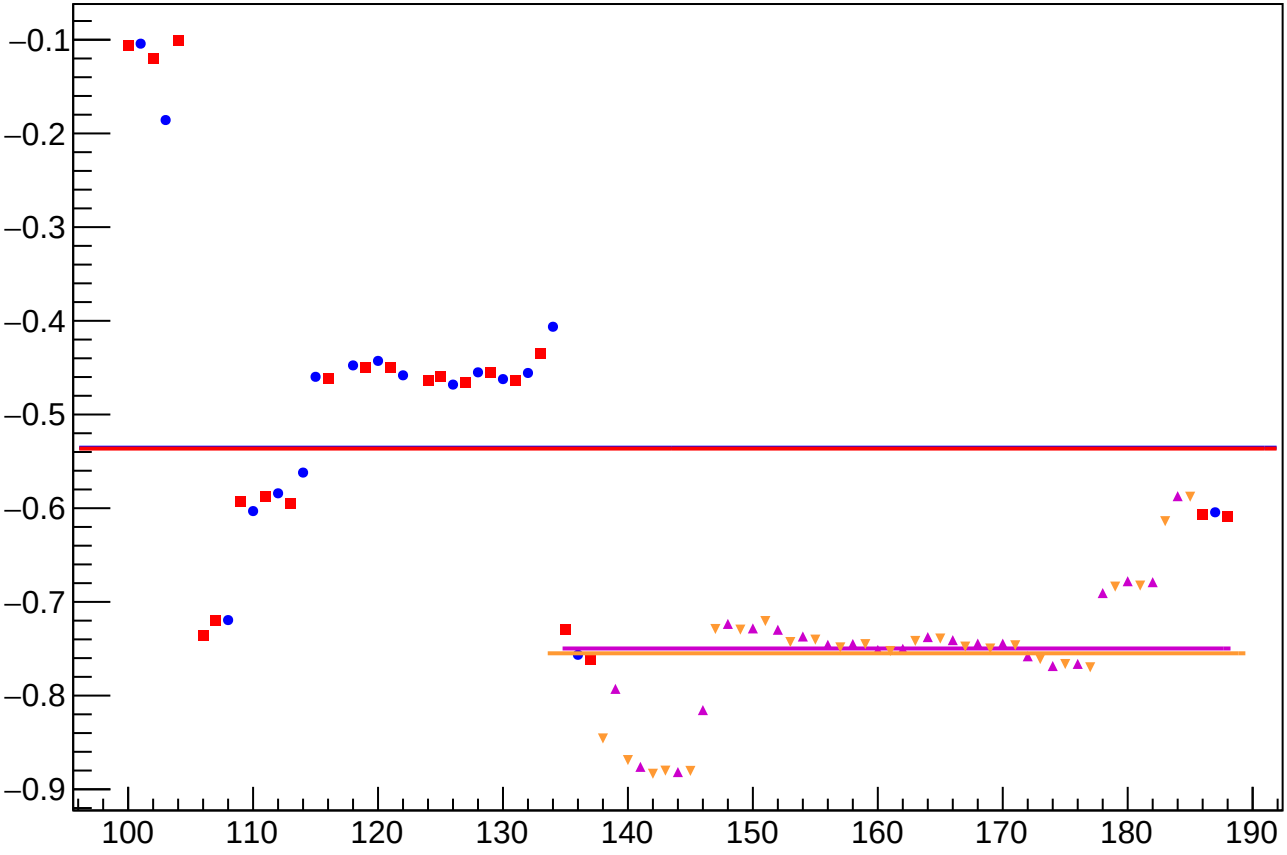
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 48343554.2/41

All: 0.002+/-0.000 χ^2/NDF: 96370414.8/85

- sign 0.002+/-0.000 χ^2/NDF: 48026838.7/43

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 301172114.2/16

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.536+/-0.000 χ^2/NDF: 217146263.4/20

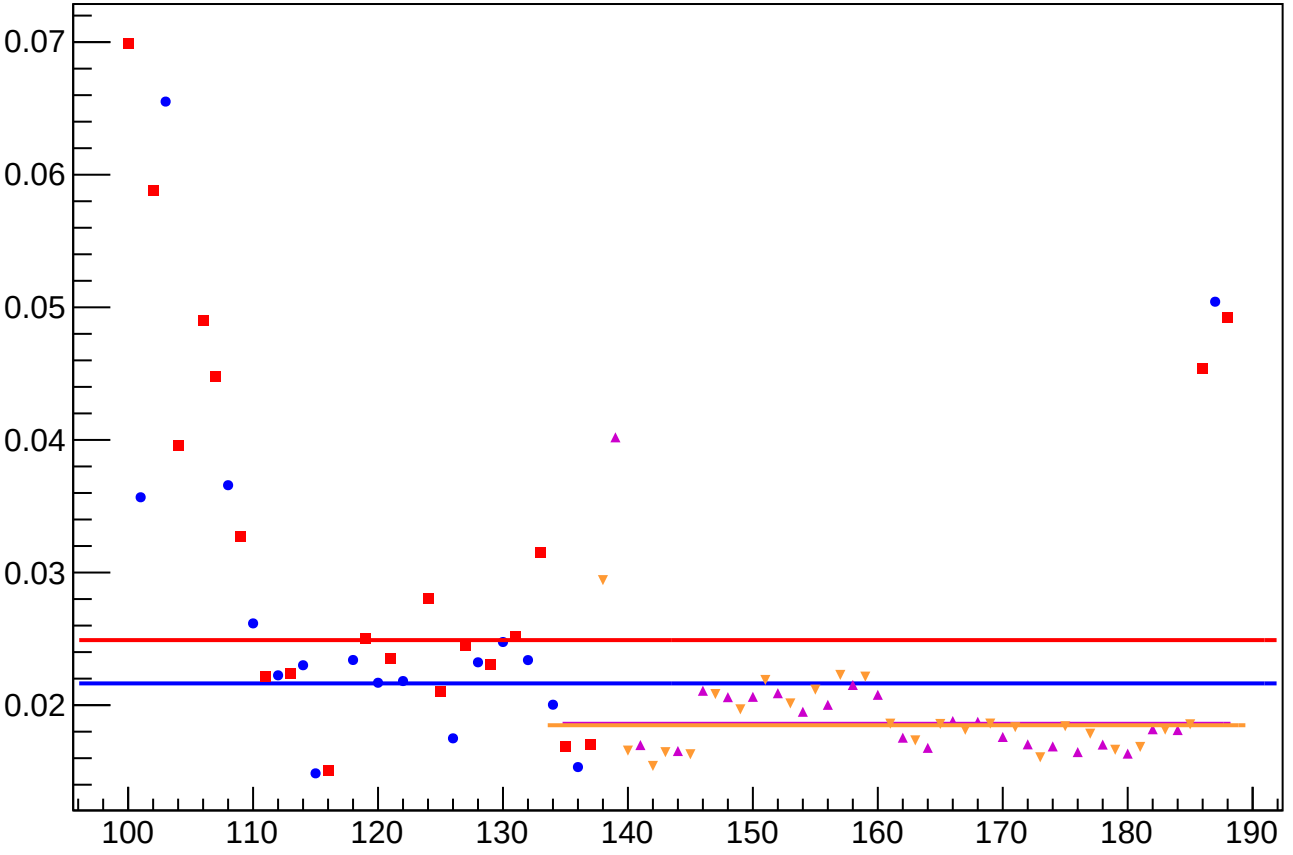
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.710+/-0.000 χ^2/NDF: 962383816.6/41

All: -0.709+/-0.000 χ^2/NDF: 1705379517.9/8

- sign -0.707+/-0.000 χ^2/NDF: 742762812.5/43

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 1267466.7/16

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.025+/-0.000 χ^2/NDF: 1903400.3/20

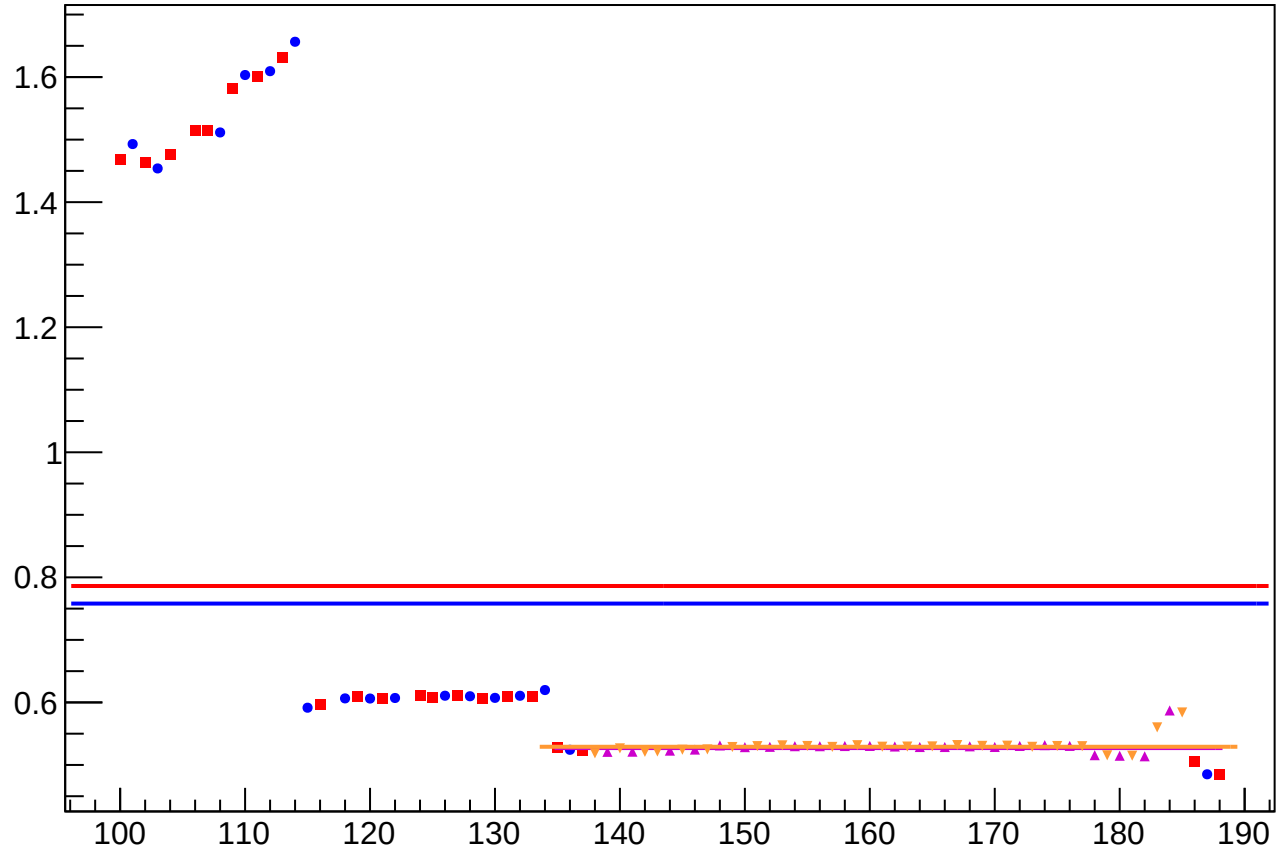
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 1944497.2/41

All: 0.019+/-0.000 χ^2/NDF: 5288854.3/85

- sign 0.020+/-0.000 χ^2/NDF: 3315601.5/43

yield_bpm4aY_mean vs Slug



Right In: 0.758+/-0.000 χ^2/NDF: 4309819084.1/16

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.786+/-0.000 χ^2/NDF: 5001981184.9/20

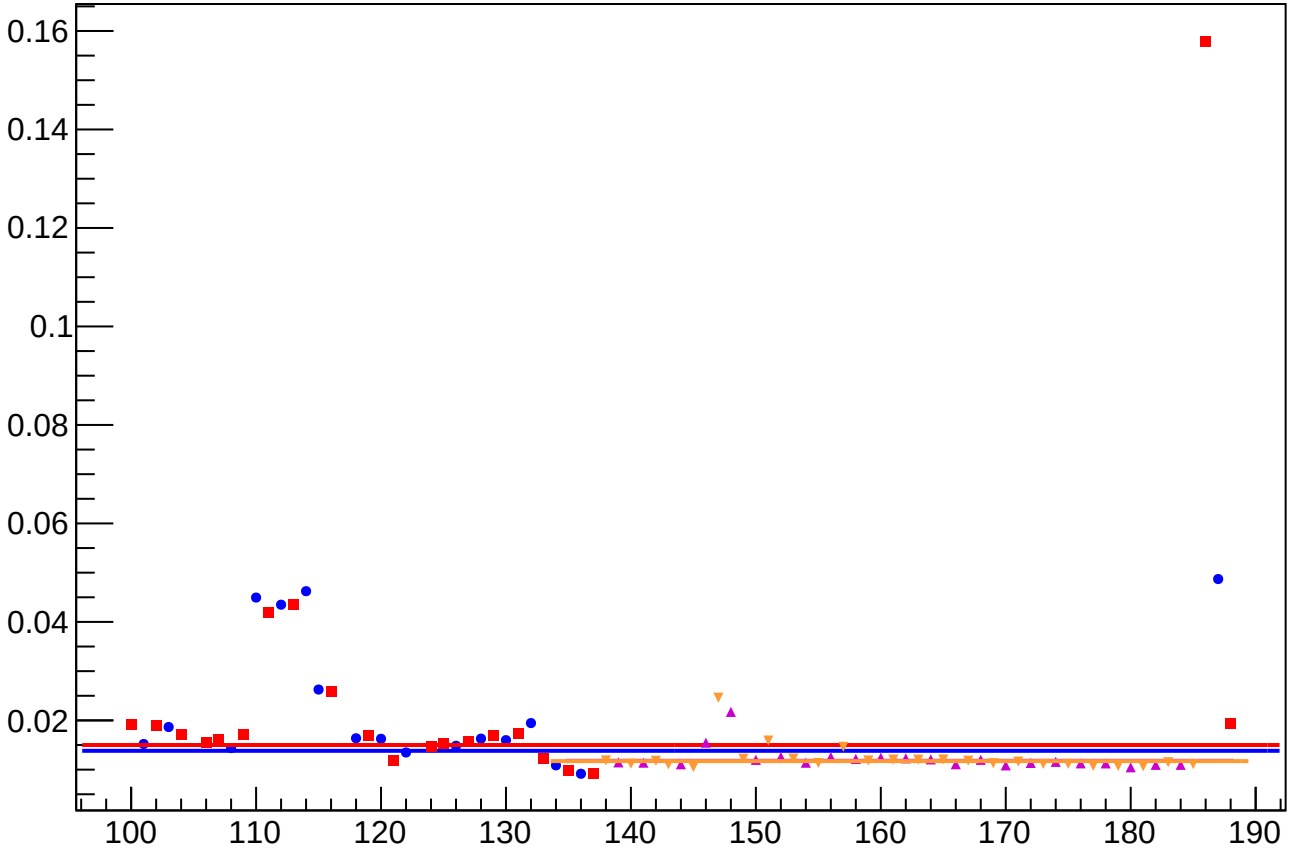
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.573+/-0.000 χ^2/NDF: 5668013792.4/41

All: 0.576+/-0.000 χ^2/NDF: 12390653377.0/8

- sign 0.579+/-0.000 χ^2/NDF: 6719321951.7/43

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1834221.1/16

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2185444.0/20

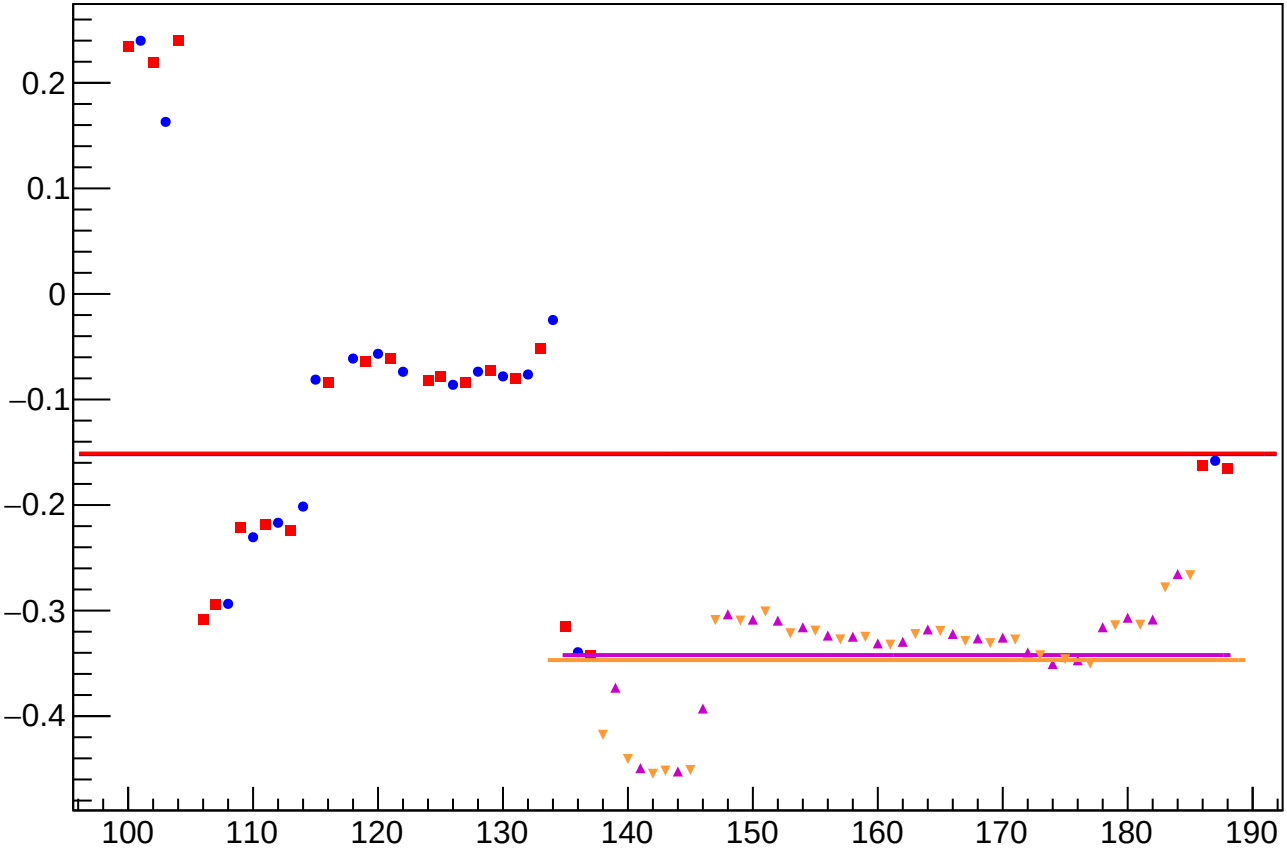
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 2757908.5/41

All: 0.012+/-0.000 χ^2/NDF: 6001508.1/85

- sign 0.012+/-0.000 χ^2/NDF: 3228698.7/43

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276794419.6/16

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199508468.3/20

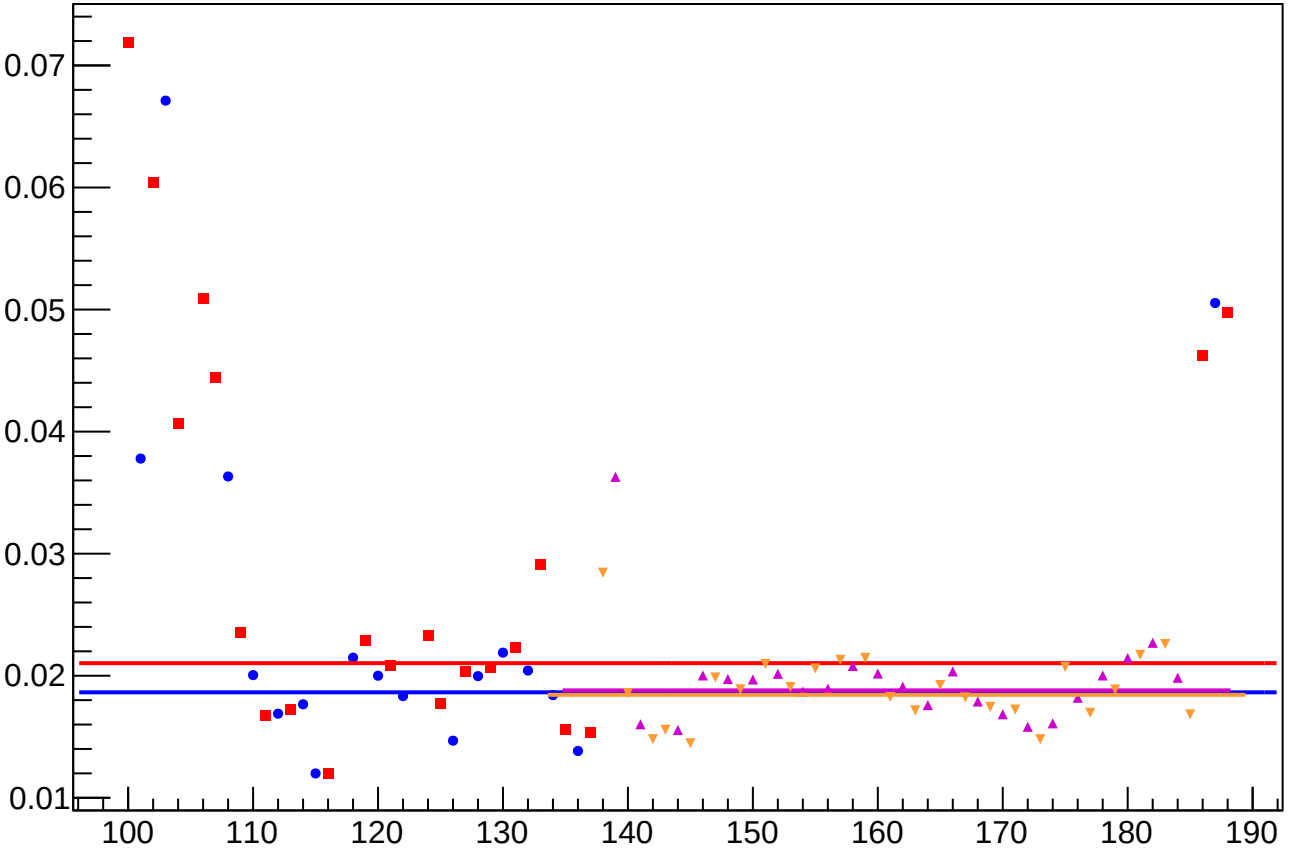
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.298+/-0.000 χ^2/NDF: 845103111.3/41

All: -0.296+/-0.000 χ^2/NDF: 1522474980.3/8

- sign -0.294+/-0.000 χ^2/NDF: 676866203.0/43

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1511372.9/16

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.021+/-0.000 χ^2/NDF: 2415251.4/20

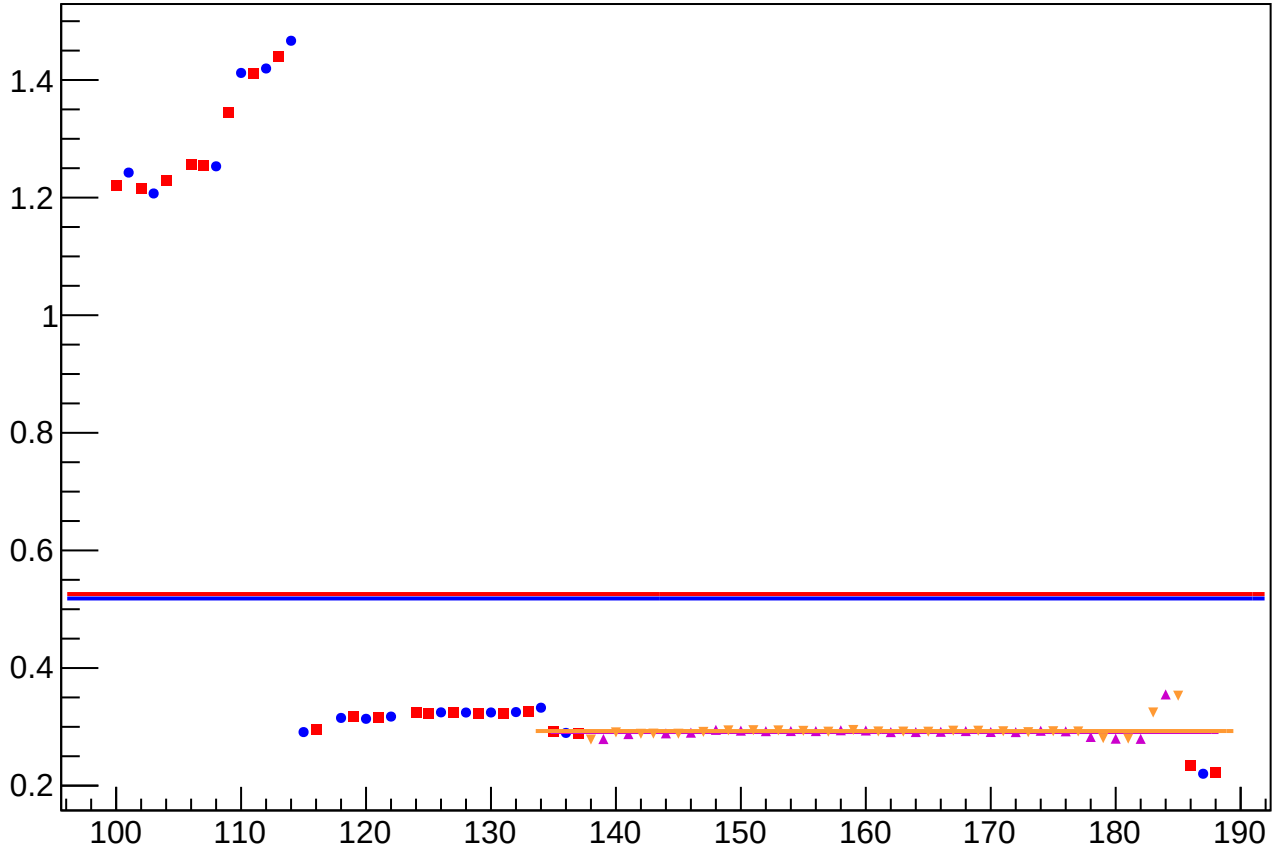
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.018+/-0.000 χ^2/NDF: 2152362.4/41

All: 0.019+/-0.000 χ^2/NDF: 5437802.0/85

- sign 0.019+/-0.000 χ^2/NDF: 3240286.6/43

yield_bpm4eY_mean vs Slug



Right In: 0.518+/-0.000 χ^2/NDF: 6333187358.2/16

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.526+/-0.000 χ^2/NDF: 7158331996.4/20

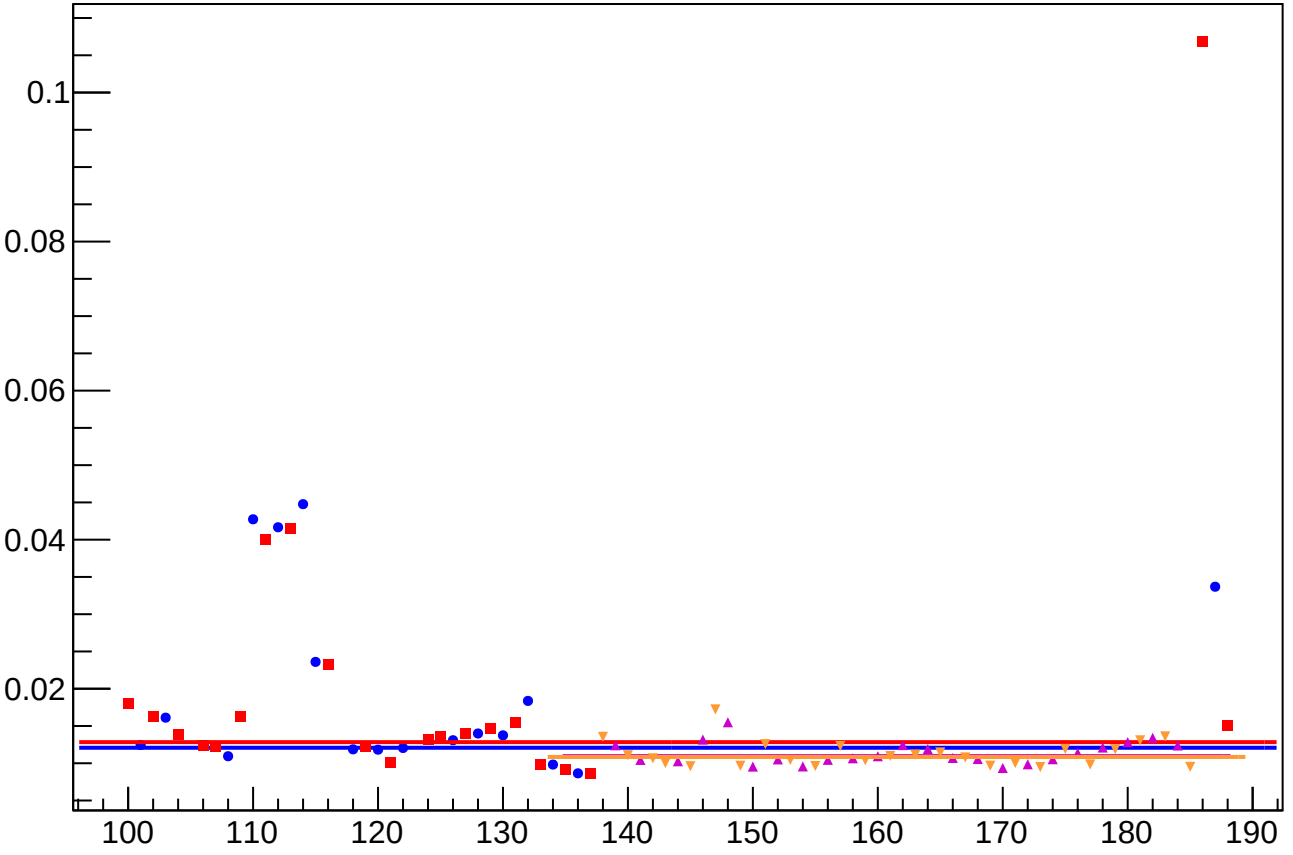
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.340+/-0.000 χ^2/NDF: 8018309367.5/41

All: 0.343+/-0.000 χ^2/NDF: 17016976663.7/8

- sign 0.345+/-0.000 χ^2/NDF: 8996557666.2/43

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1639341.7/16

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

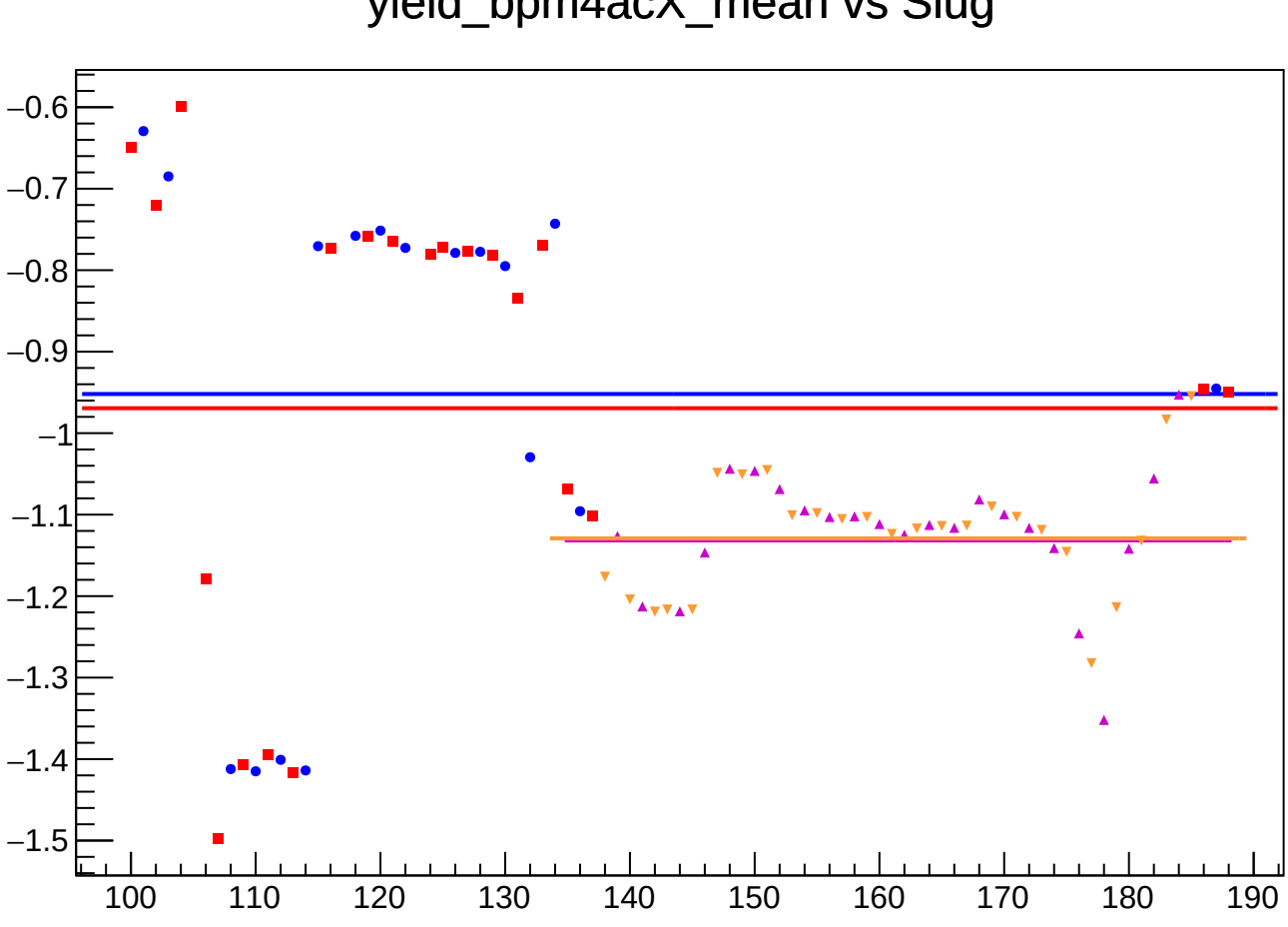
Right Out: 0.013+/-0.000 χ^2/NDF: 2073018.2/20

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2393940.3/41

All: 0.011+/-0.000 χ^2/NDF: 5228257.6/85

- sign 0.011+/-0.000 χ^2/NDF: 2819029.9/43



Right In: -0.952+/-0.000 χ^2/NDF: 699472101.2/16

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.969+/-0.000 χ^2/NDF: 714783228.4/20

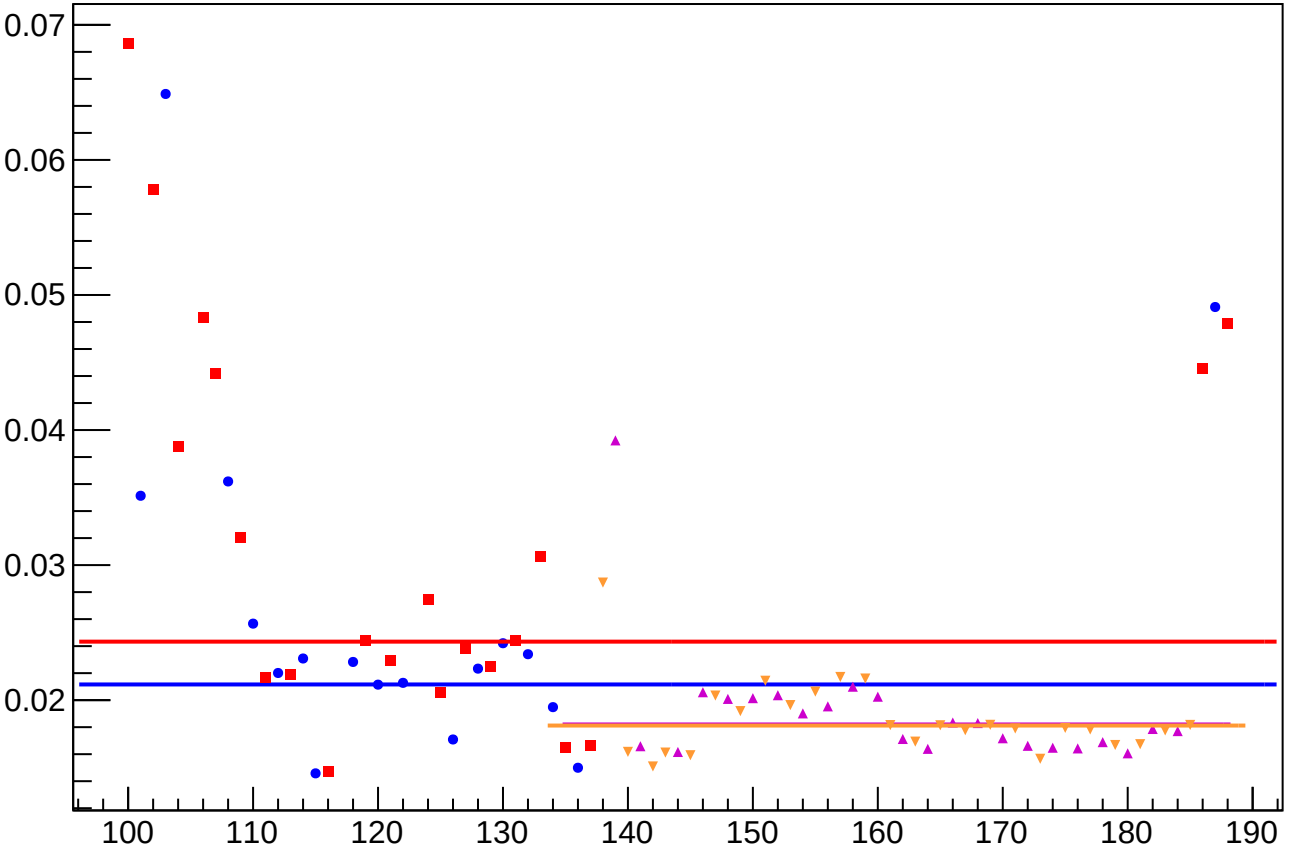
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.093+/-0.000 χ^2/NDF: 1242500817.8/41

All: -1.096+/-0.000 χ^2/NDF: 2450968537.8/8

- sign -1.099+/-0.000 χ^2/NDF: 1207272161.9/43

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1279774.2/16

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.024+/-0.000 χ^2/NDF: 1905789.7/20

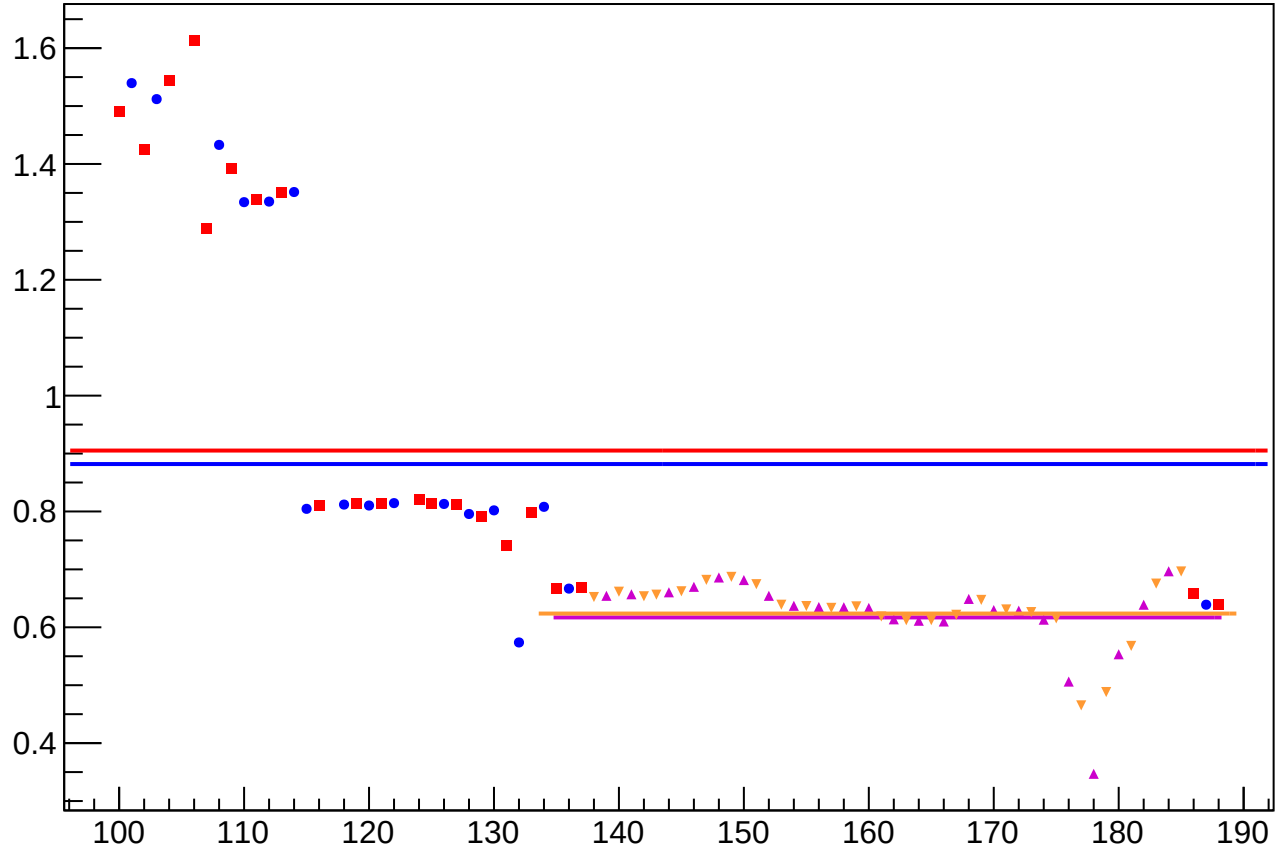
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 1933685.6/41

All: 0.019+/-0.000 χ^2/NDF: 5253821.6/85

- sign 0.019+/-0.000 χ^2/NDF: 3293597.0/43

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2788673067.4/16

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.905+/-0.000 χ^2/NDF: 2946193023.5/20

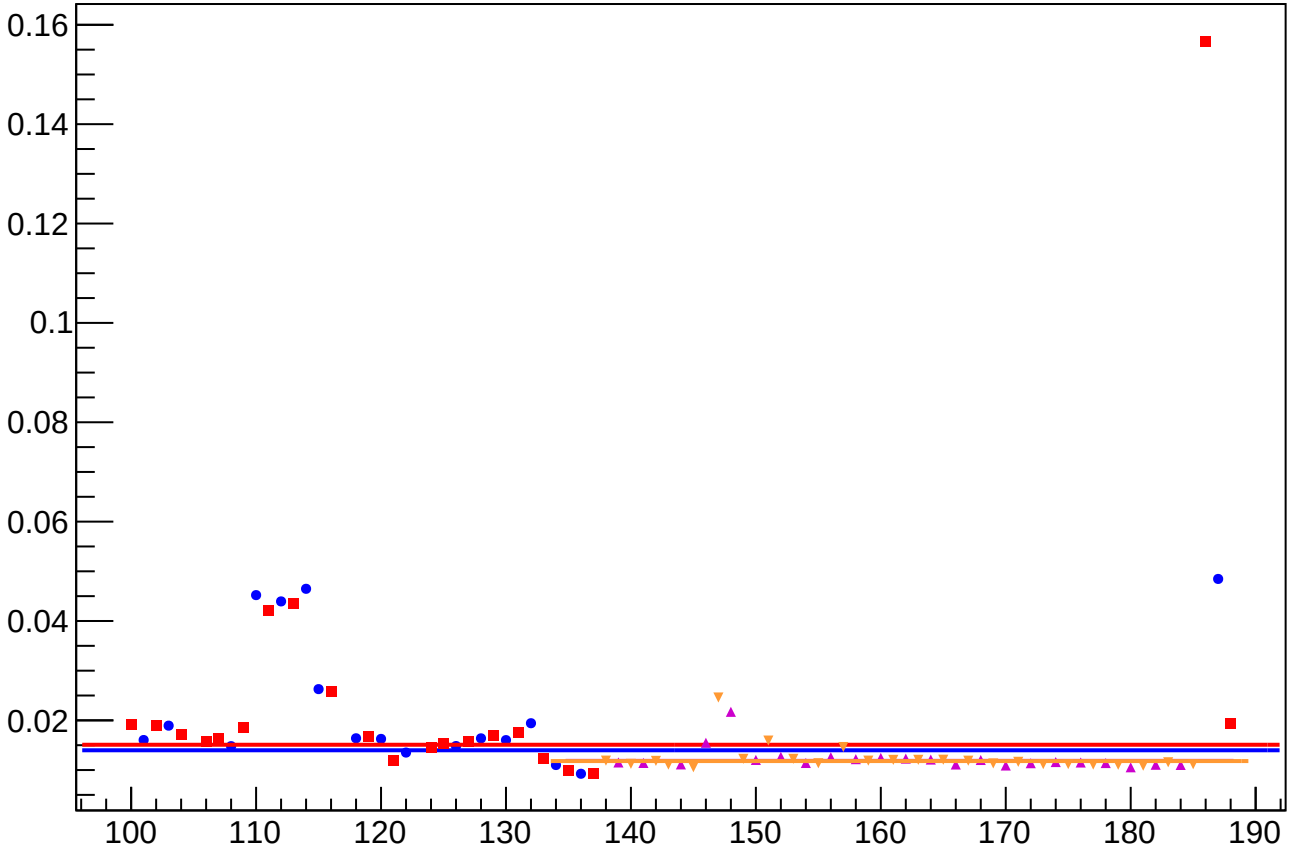
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.672+/-0.000 χ^2/NDF: 4854321703.1/41

All: 0.673+/-0.000 χ^2/NDF: 10522810189.8/8

- sign 0.675+/-0.000 χ^2/NDF: 5668075452.7/43

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1828848.9/16

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2188525.5/20

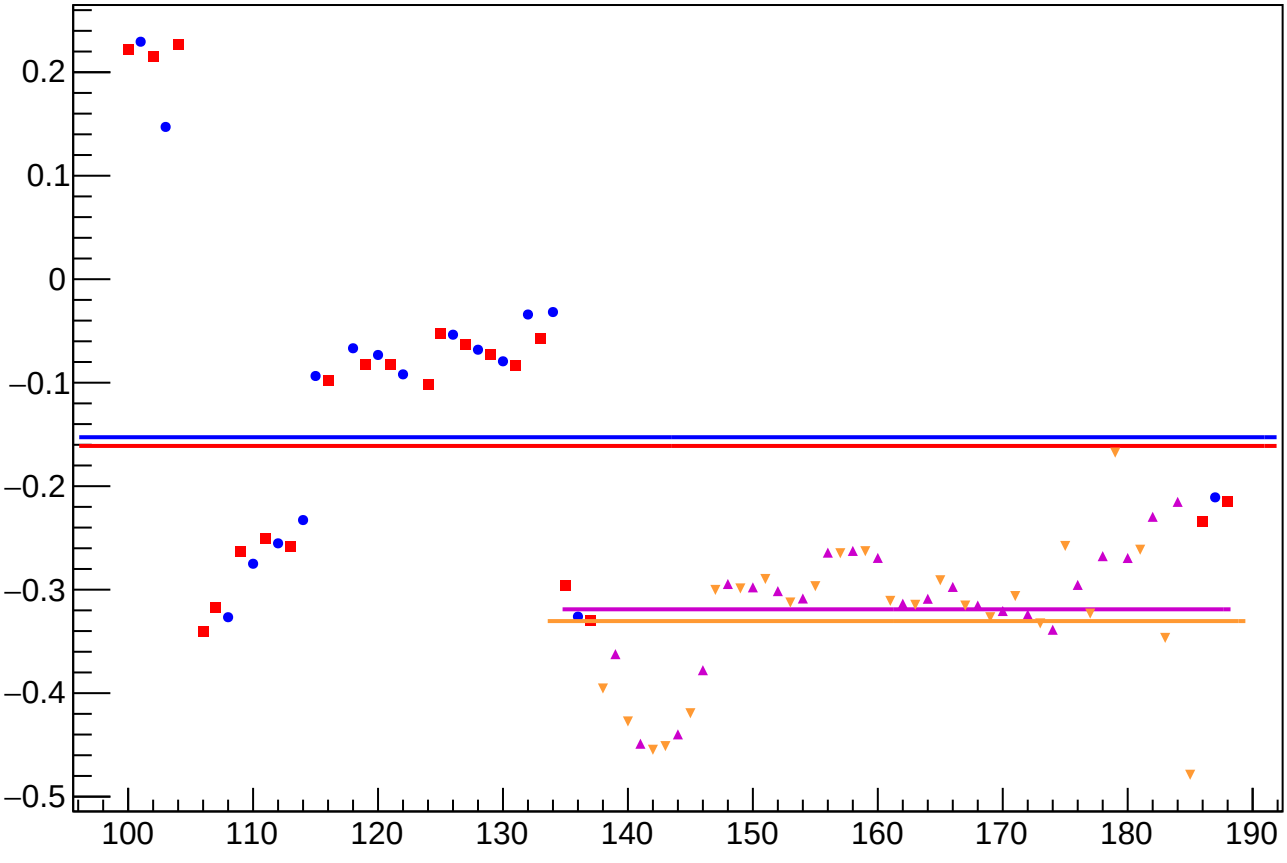
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 2738092.2/41

All: 0.012+/-0.000 χ^2/NDF: 5974223.7/85

- sign 0.012+/-0.000 χ^2/NDF: 3223824.0/43

yield_bpm4ecX_mean vs Slug



Right In: -0.153+/-0.000 χ^2/NDF: 274487076.3/16

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.161+/-0.000 χ^2/NDF: 197647074.7/20

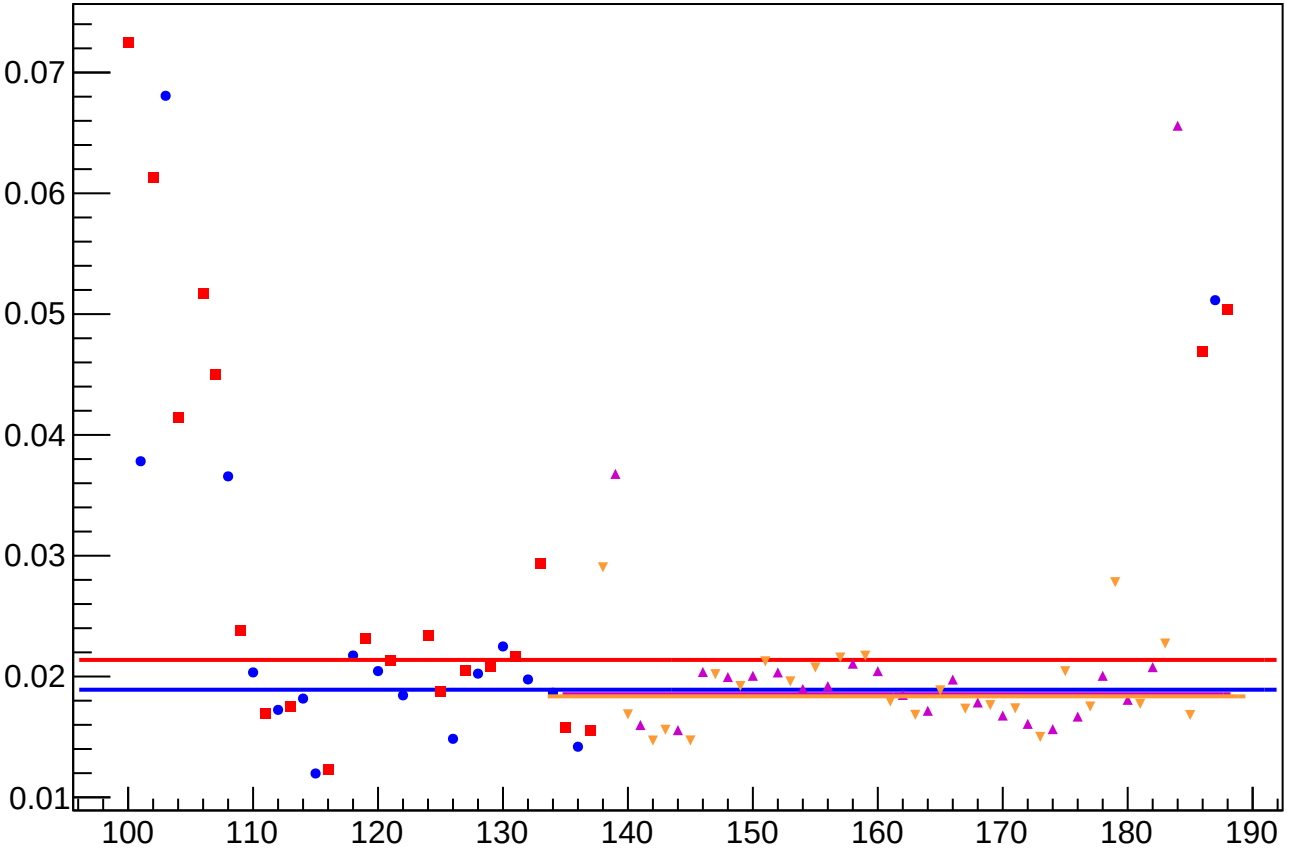
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.286+/-0.000 χ^2/NDF: 814741447.1/41

All: -0.283+/-0.000 χ^2/NDF: 1403478482.2/8

- sign -0.280+/-0.000 χ^2/NDF: 587658642.7/43

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1488122.4/16

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.021+/-0.000 χ^2/NDF: 2392632.8/20

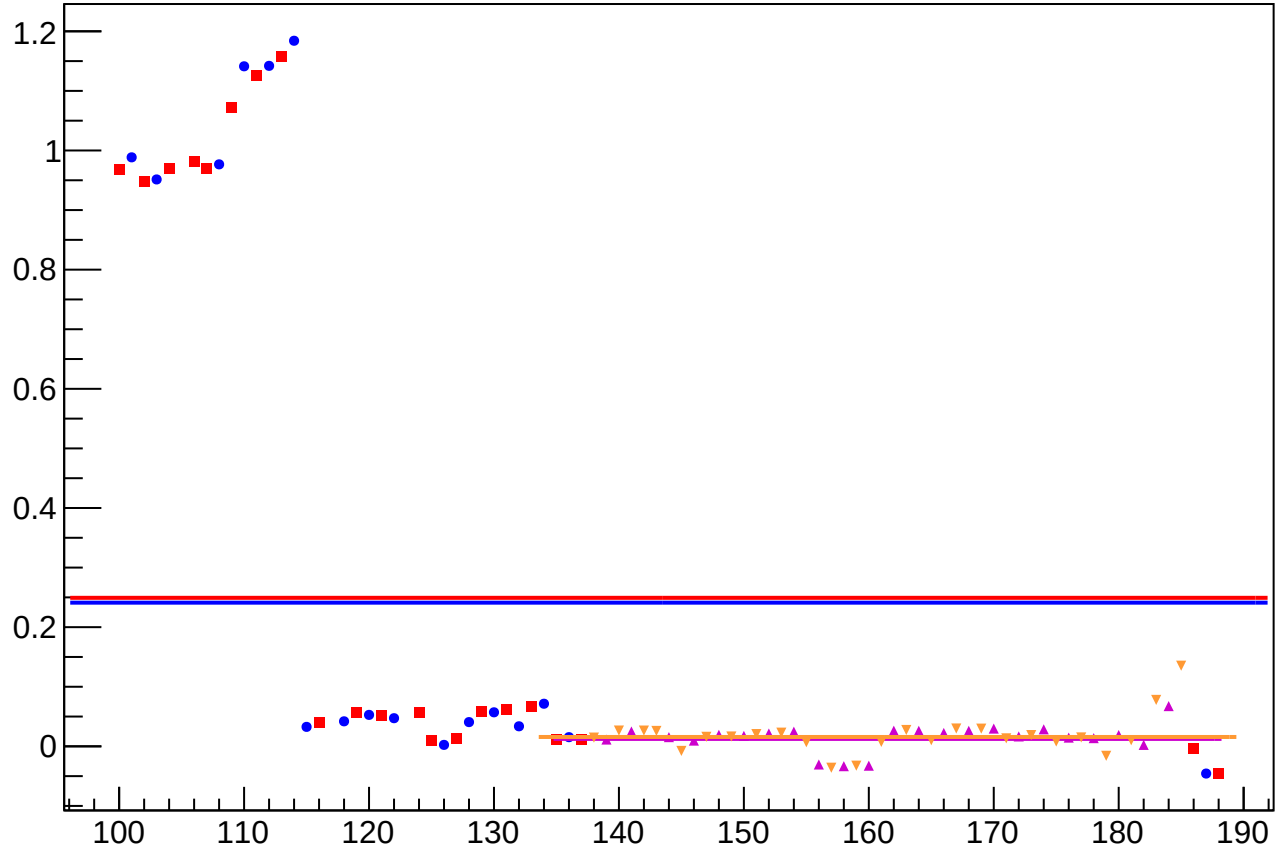
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 2232450.6/41

All: 0.019+/-0.000 χ^2/NDF: 5758495.3/85

- sign 0.019+/-0.000 χ^2/NDF: 3494183.7/43

yield_bpm4ecY_mean vs Slug



Right In: 0.241+/-0.000 χ^2/NDF: 6520985731.4/16

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.249+/-0.000 χ^2/NDF: 7160724743.5/20

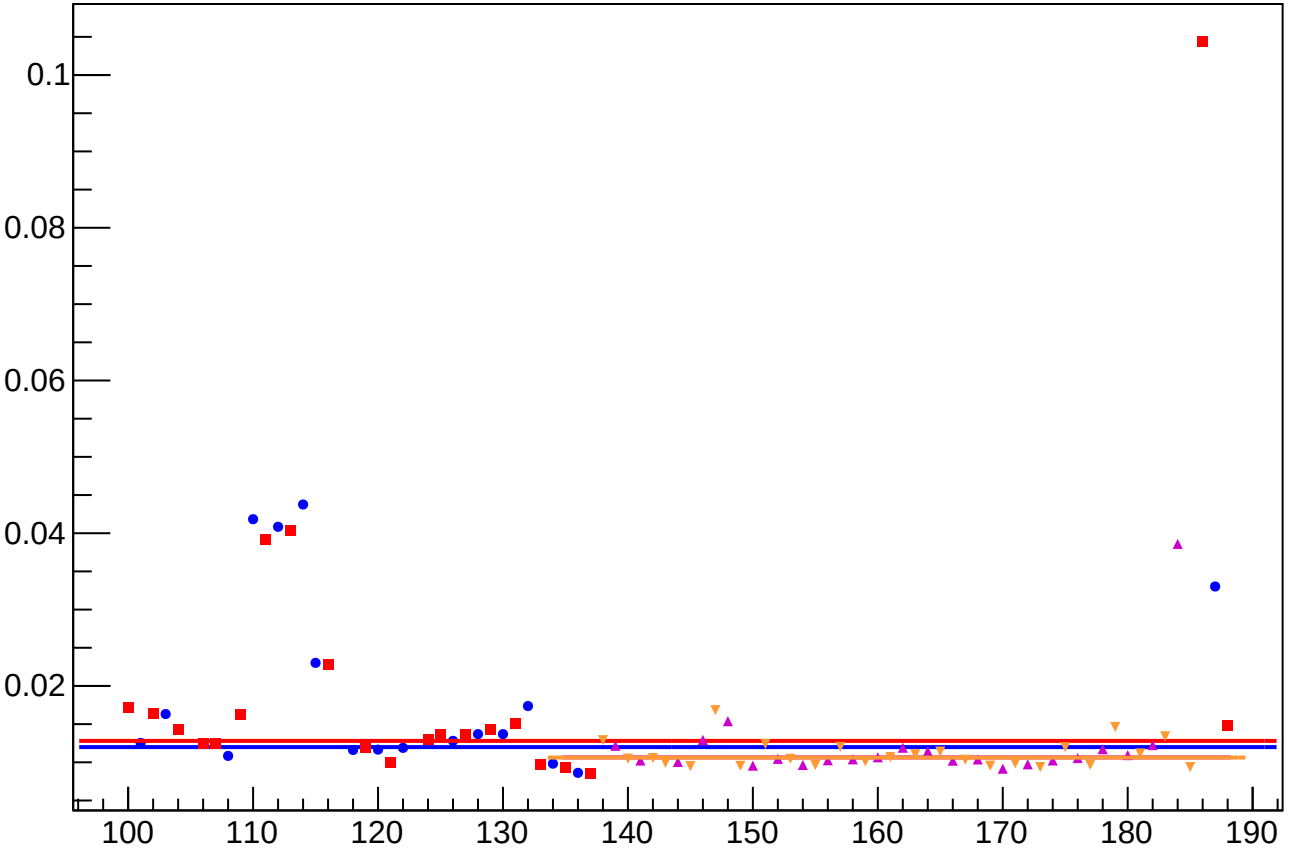
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.063+/-0.000 χ^2/NDF: 8320240550.2/41

All: 0.064+/-0.000 χ^2/NDF: 17426331654.2/8

- sign 0.066+/-0.000 χ^2/NDF: 9105581668.7/43

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1605103.3/16

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2020678.4/20

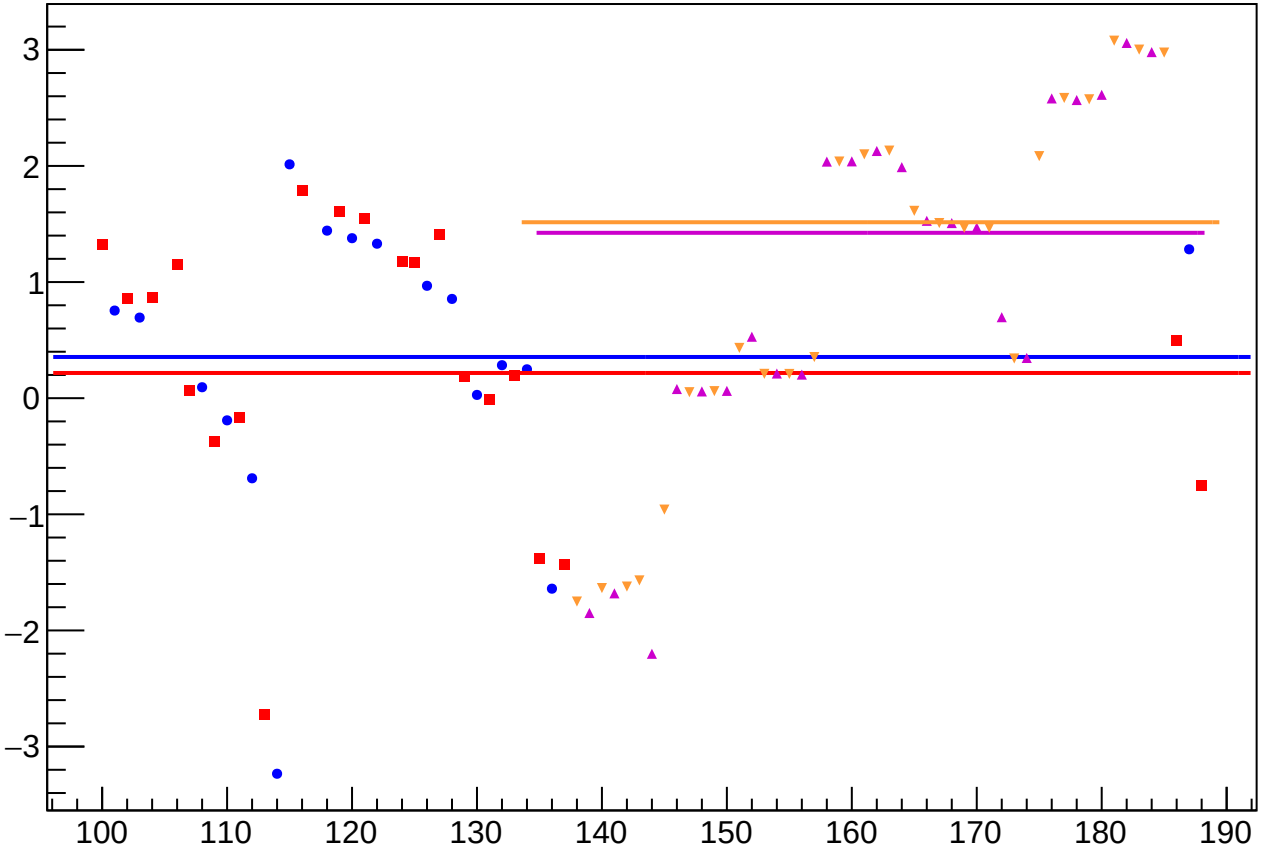
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2352405.9/41

All: 0.011+/-0.000 χ^2/NDF: 5268818.7/85

- sign 0.011+/-0.000 χ^2/NDF: 2907284.1/43

yield_bpm1X_mean vs Slug



Right In: 0.355+/-0.000 χ^2/NDF: 1727781928.2/16

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: 0.217+/-0.000 χ^2/NDF: 2324599169.5/20

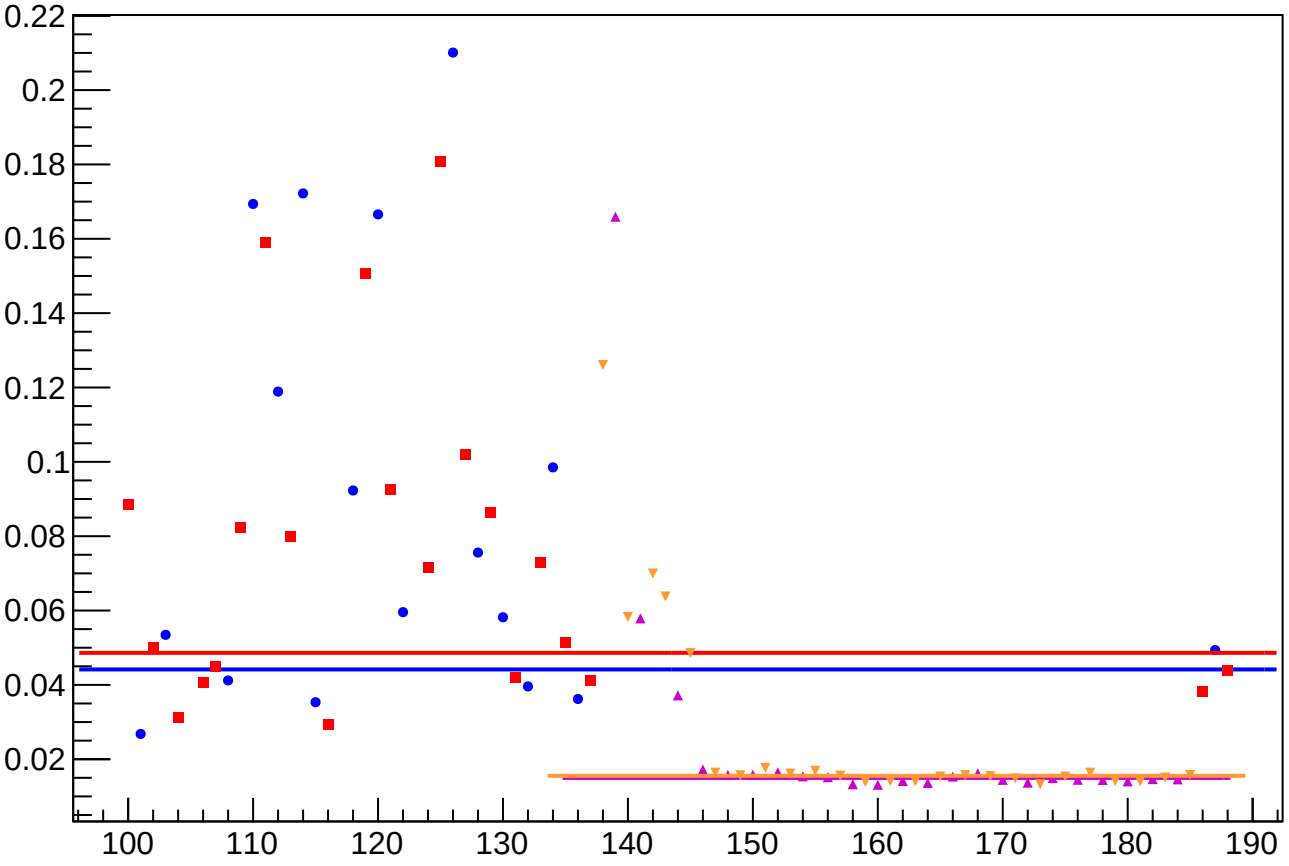
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.477+/-0.000 χ^2/NDF: 72193171826.7/41

All: 1.428+/-0.000 χ^2/NDF: 146162772036.9

- sign 1.380+/-0.000 χ^2/NDF: 73670491256.7/43

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2791446.5/16

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

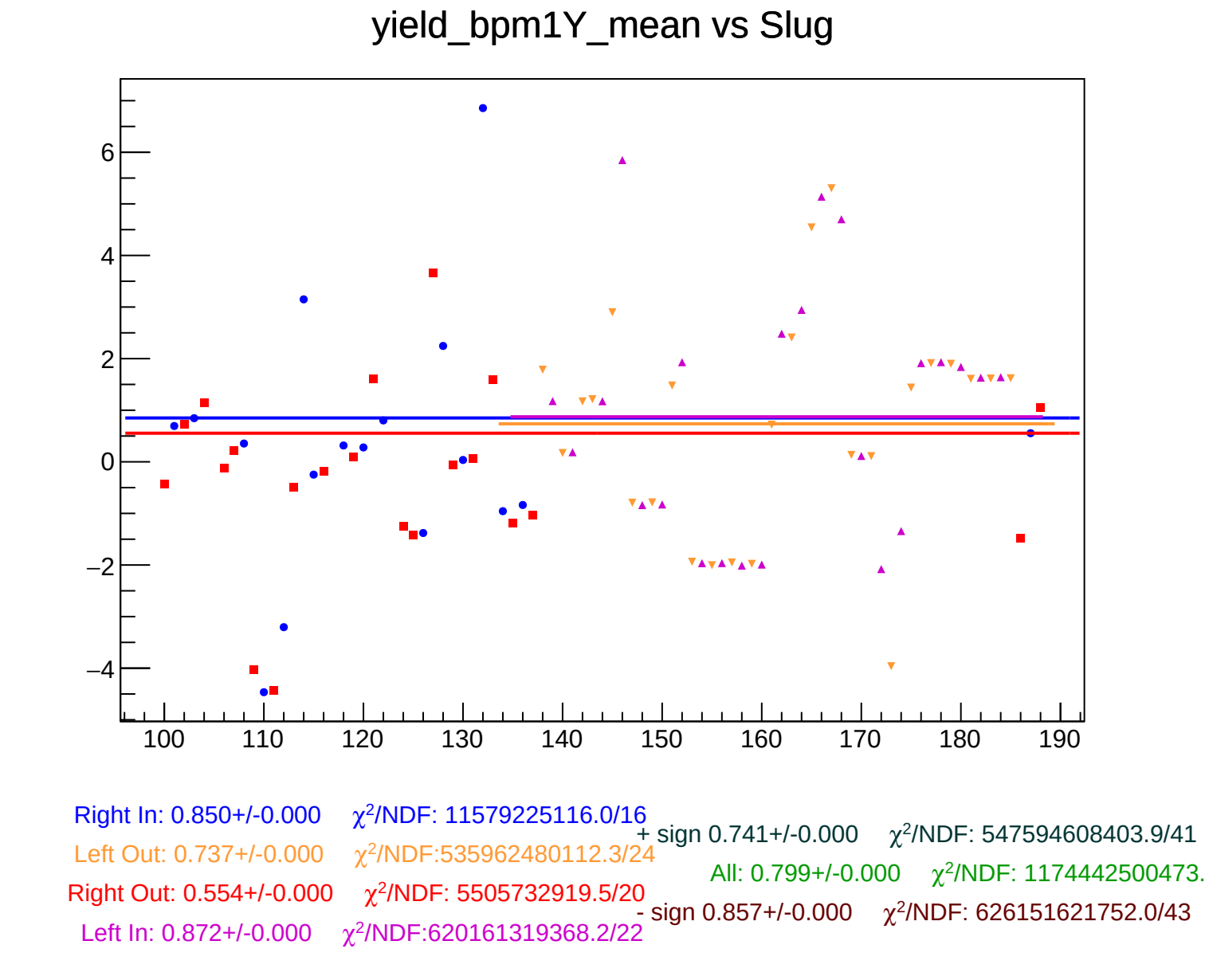
Right Out: 0.049+/-0.000 χ^2/NDF: 2469248.6/20

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

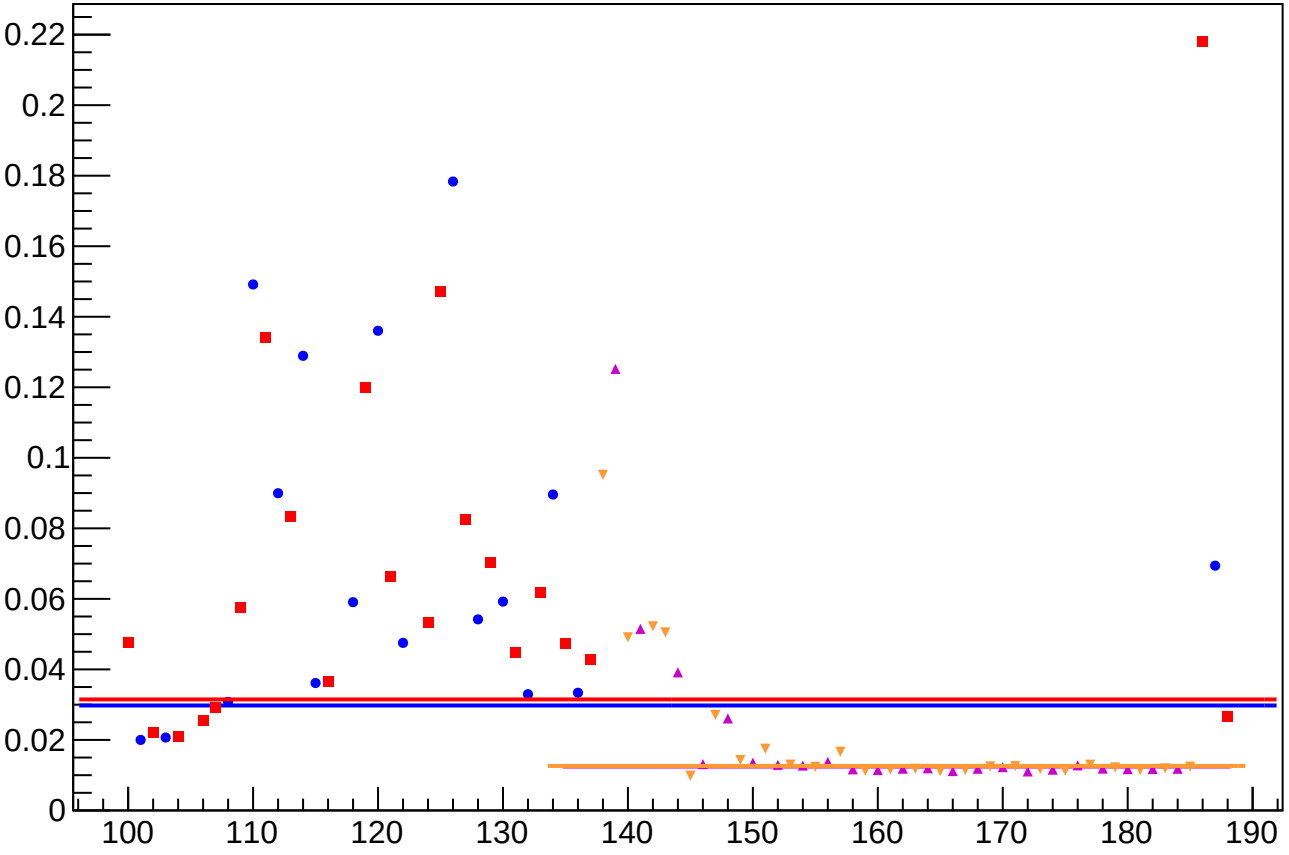
+ sign 0.016+/-0.000 χ^2/NDF: 9030135.4/41

All: 0.016+/-0.000 χ^2/NDF: 18814447.4/85

- sign 0.016+/-0.000 χ^2/NDF: 9779264.6/43


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.850+/-0.000 χ²/NDF: 11579225116.0/16
Left Out: 0.737+/-0.000 χ²/NDF:535962480112.3/24
Right Out: 0.554+/-0.000 χ²/NDF: 5505732919.5/20
Left In: 0.872+/-0.000 χ²/NDF:620161319368.2/22
+ sign 0.741+/-0.000 χ²/NDF: 547594608403.9/41
All: 0.799+/-0.000 χ²/NDF: 1174442500473.
- sign 0.857+/-0.000 χ²/NDF: 626151621752.0/43

yield_bpm1Y_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 3307418.4/16

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.031+/-0.000 χ^2/NDF: 3929743.6/20

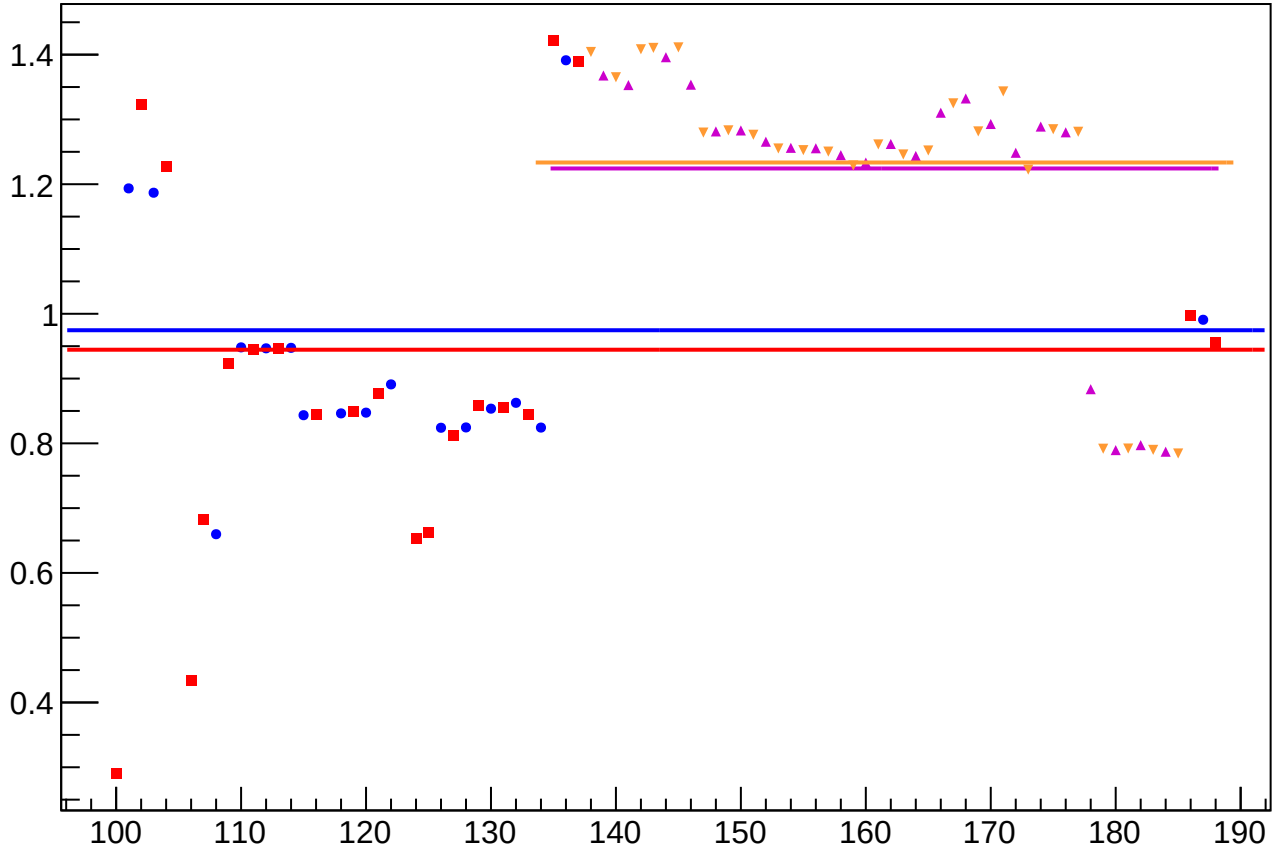
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.013+/-0.000 χ^2/NDF: 8918797.8/41

All: 0.013+/-0.000 χ^2/NDF: 19074203.8/85

- sign 0.013+/-0.000 χ^2/NDF: 10155215.4/43

yield_bpm11X_mean vs Slug



Right In: 0.975+/-0.000 χ^2/NDF: 1458799913.0/16

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.945+/-0.000 χ^2/NDF: 1672213201.3/20

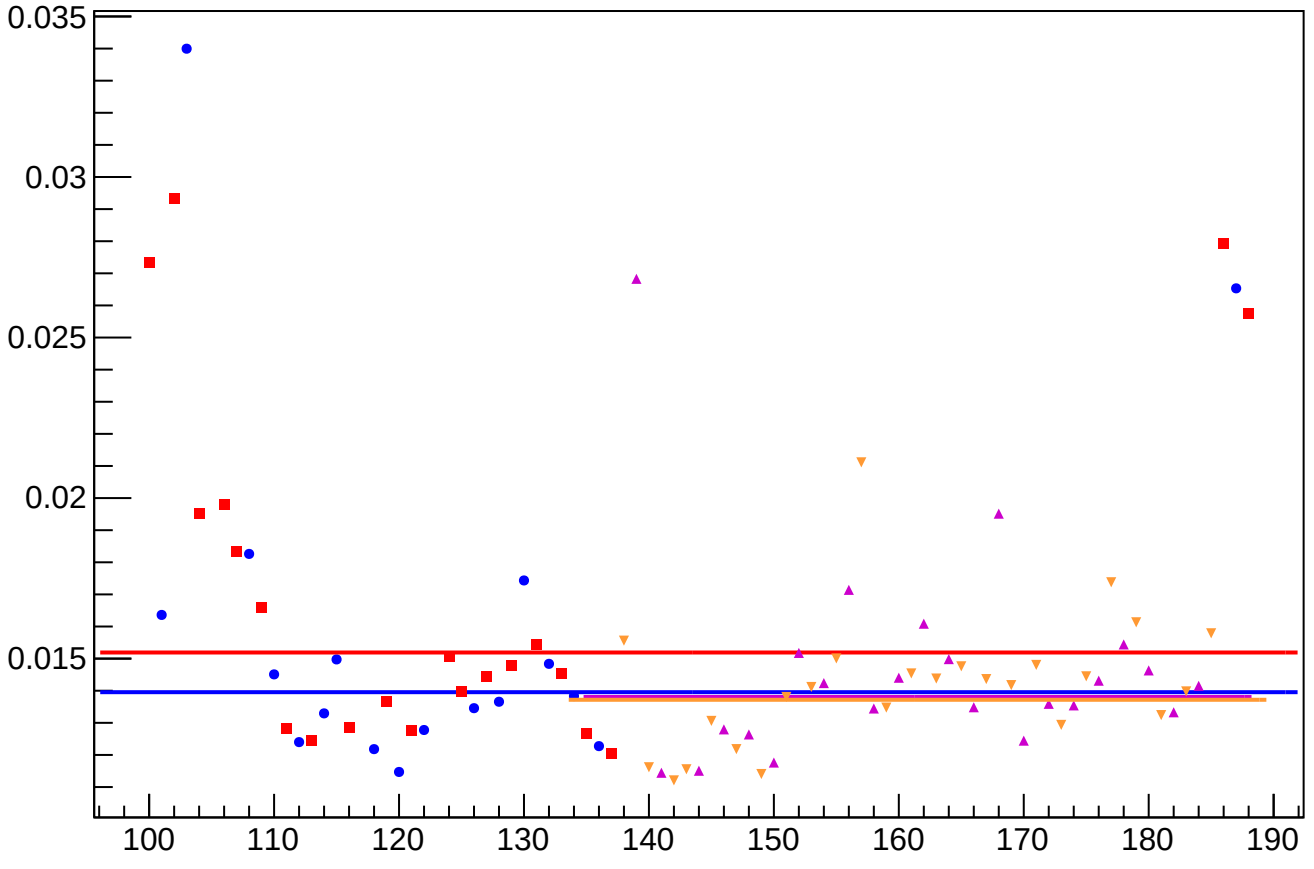
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.165+/-0.000 χ^2/NDF: 6108270437.1/41

All: 1.156+/-0.000 χ^2/NDF: 12291957357.0/8

- sign 1.147+/-0.000 χ^2/NDF: 6165118968.6/43

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 678402.7/16

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

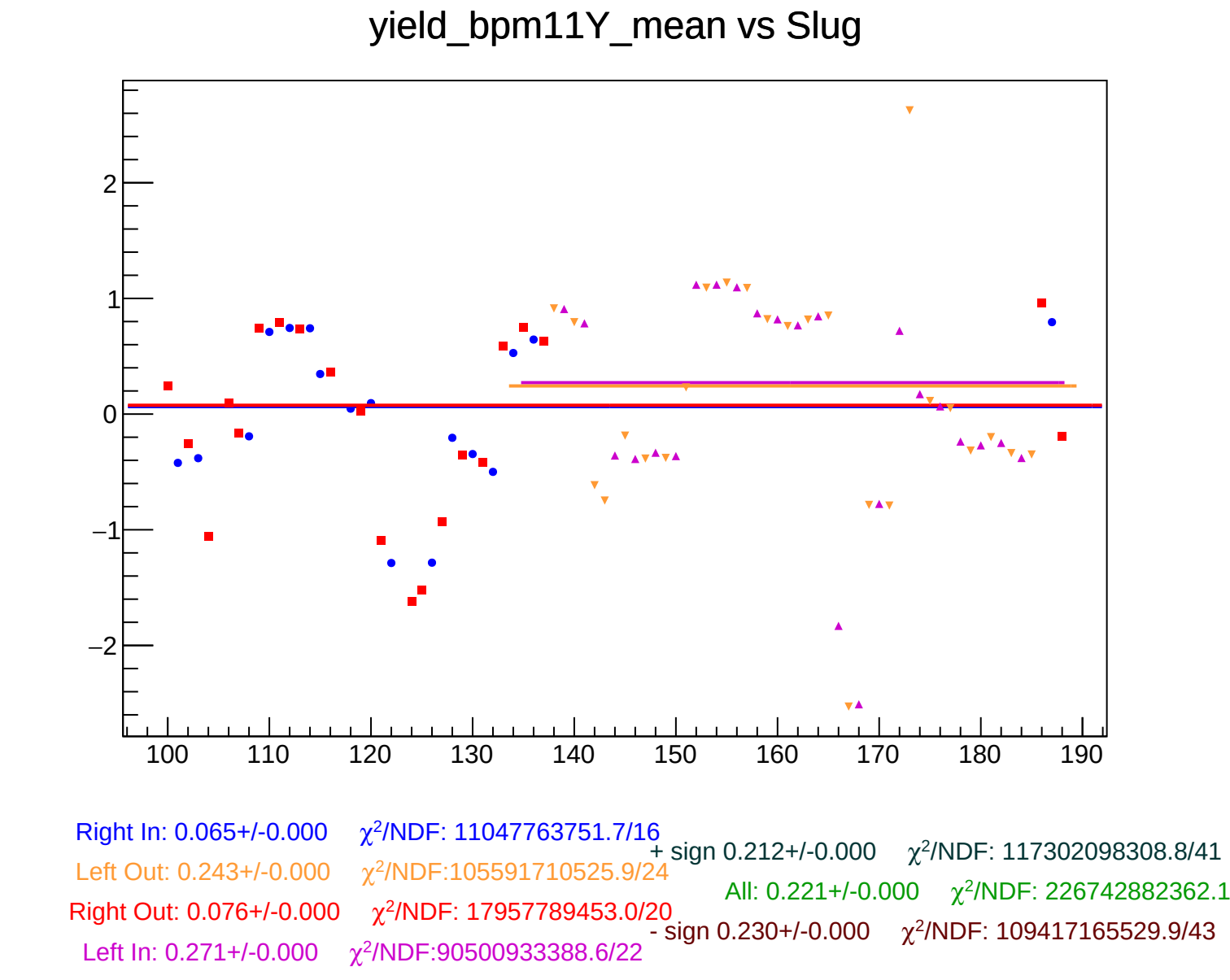
Right Out: 0.015+/-0.000 χ^2/NDF: 1051267.1/20

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

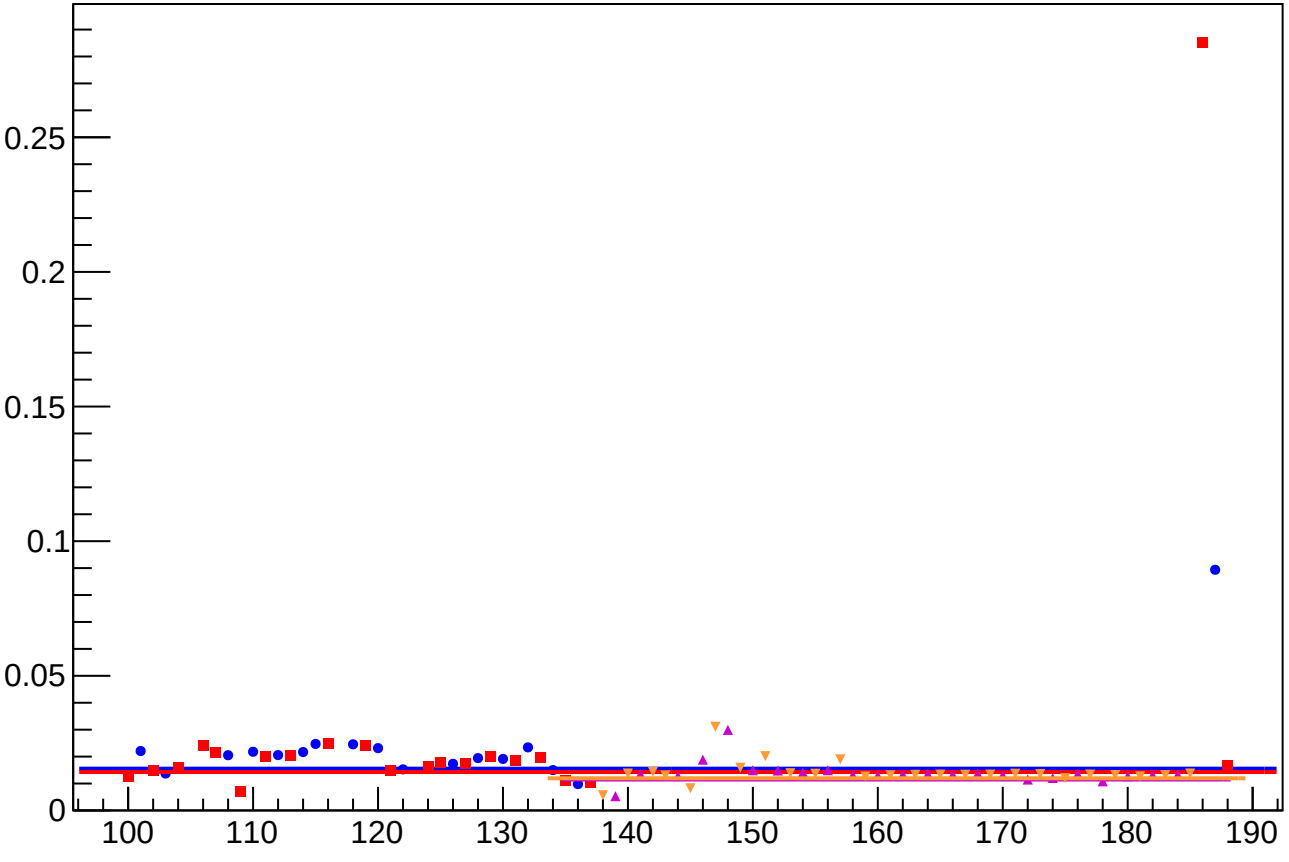
+ sign 0.014+/-0.000 χ^2/NDF: 1231875.6/41

All: 0.014+/-0.000 χ^2/NDF: 3263314.3/85

- sign 0.014+/-0.000 χ^2/NDF: 2011631.2/43


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.065+/-0.000 χ²/NDF: 11047763751.7/16
Left Out: 0.243+/-0.000 χ²/NDF:105591710525.9/24
Right Out: 0.076+/-0.000 χ²/NDF: 17957789453.0/20
Left In: 0.271+/-0.000 χ²/NDF:90500933388.6/22
+ sign 0.212+/-0.000 χ²/NDF: 117302098308.8/41
All: 0.221+/-0.000 χ²/NDF: 226742882362.1
- sign 0.230+/-0.000 χ²/NDF: 109417165529.9/43

yield_bpm11Y_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 1536228.1/16

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2401397.6/20

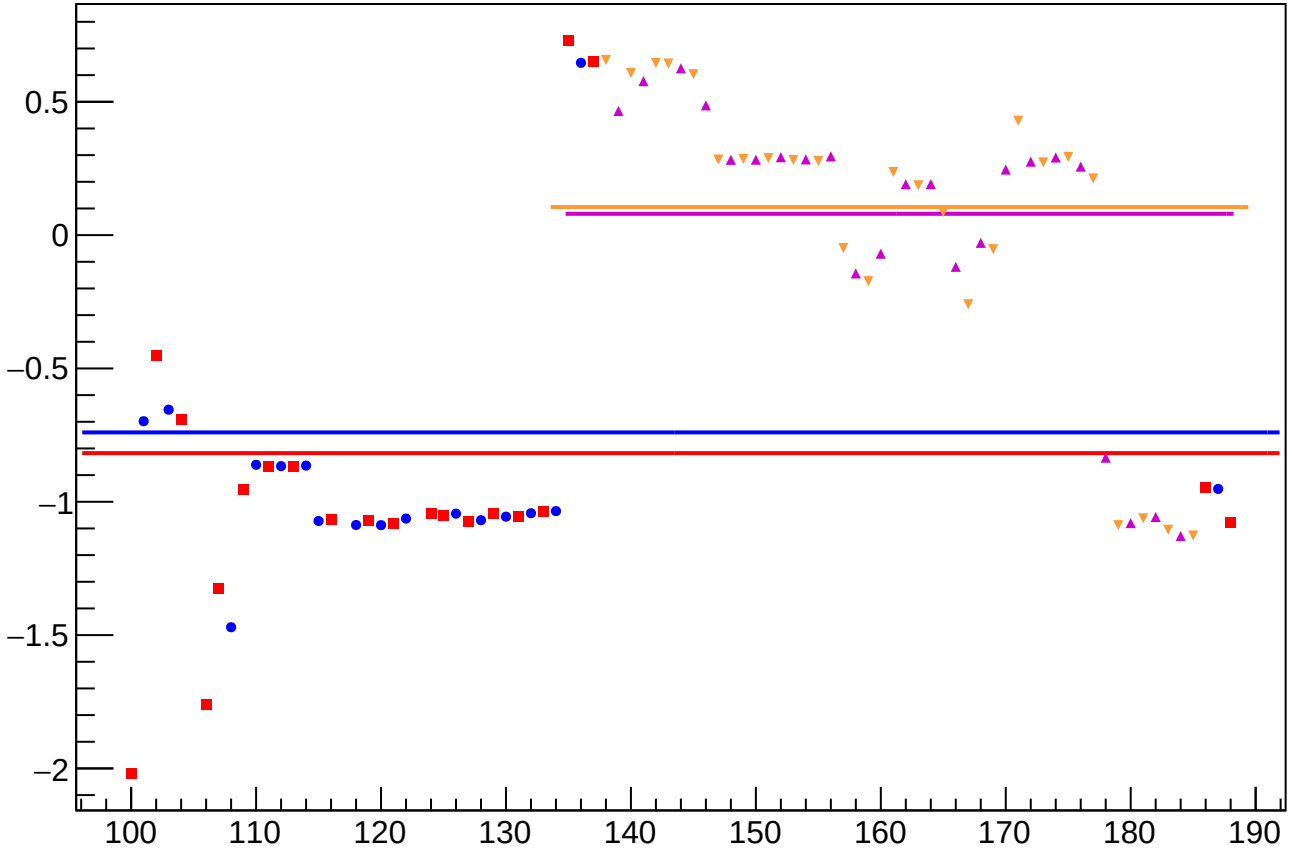
Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.013+/-0.000 χ^2/NDF: 5330188.0/41

All: 0.012+/-0.000 χ^2/NDF: 11827897.6/85

- sign 0.012+/-0.000 χ^2/NDF: 6461671.7/43

yield_bpm12X_mean vs Slug



Right In: -0.740+/-0.000 χ^2/NDF: 2075315252.6/16

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.817+/-0.000 χ^2/NDF: 1907687953.0/20

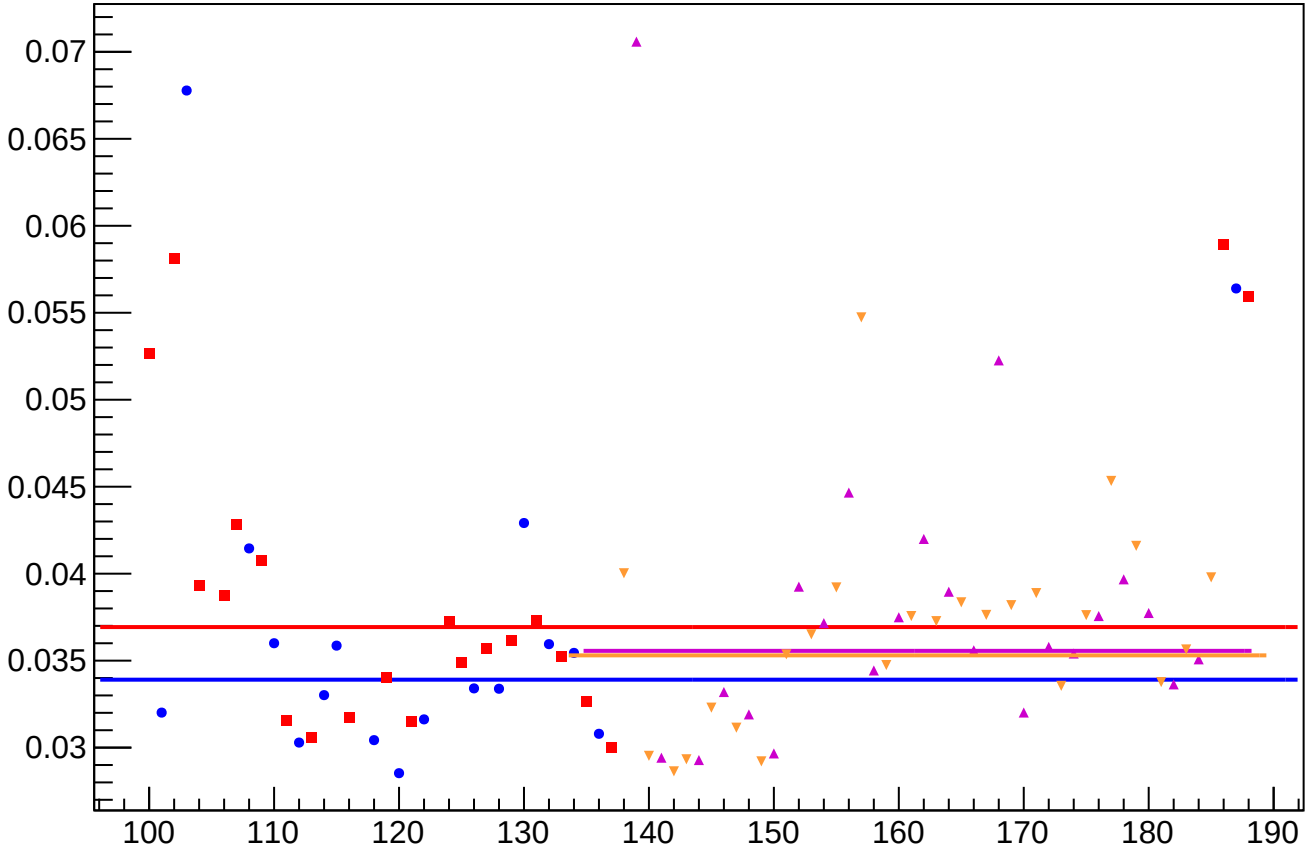
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.143+/-0.000 χ^2/NDF: 8693021410.3/41

All: -0.168+/-0.000 χ^2/NDF: 17018871721.7/

- sign -0.194+/-0.000 χ^2/NDF: 8301711230.0/43

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 475793.3/16

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.037+/-0.000 χ^2/NDF: 644830.6/20

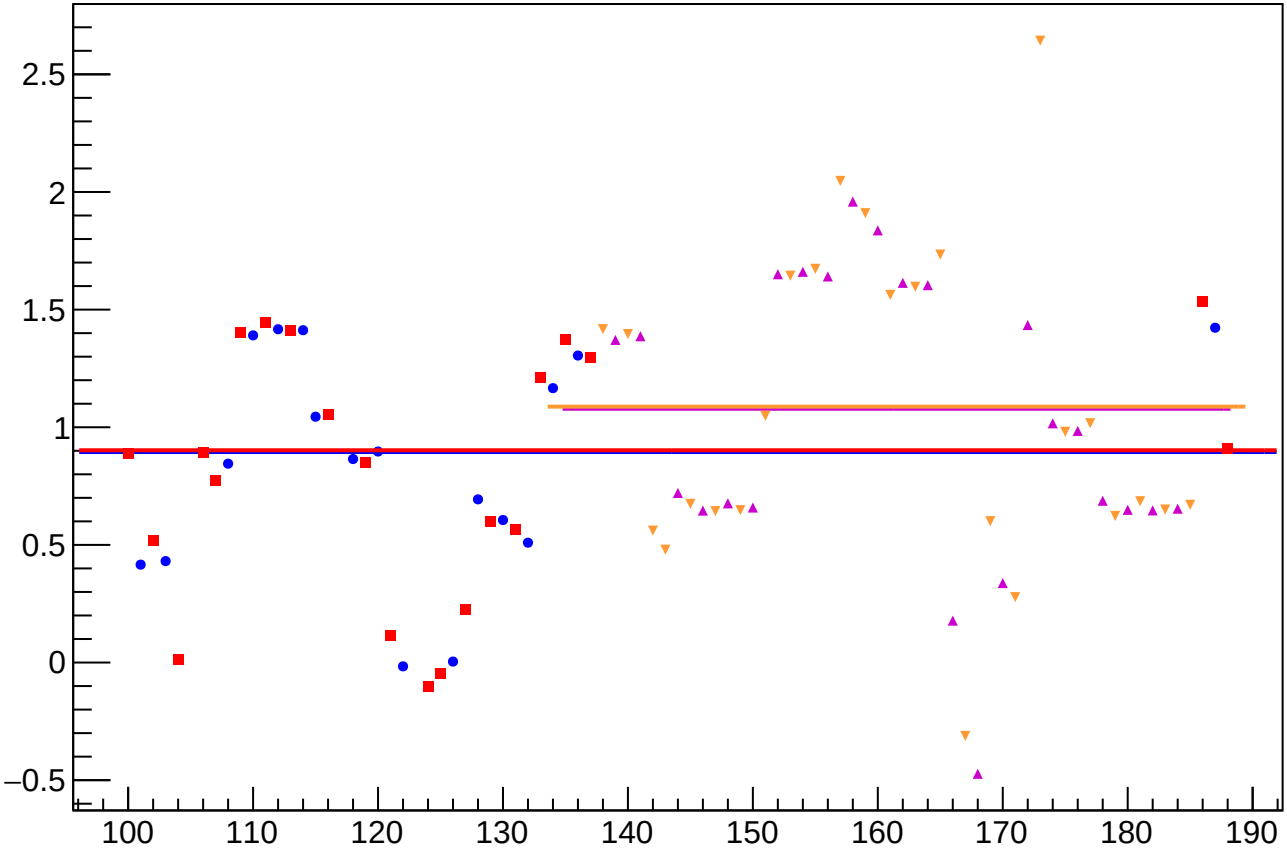
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.035+/-0.000 χ^2/NDF: 1103913.2/41

All: 0.035+/-0.000 χ^2/NDF: 2745704.0/85

- sign 0.036+/-0.000 χ^2/NDF: 1619711.0/43

yield_bpm12Y_mean vs Slug



Right In: 0.895+/-0.000 χ^2/NDF: 12763447196.8/16

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.902+/-0.000 χ^2/NDF: 17897493613.8/20

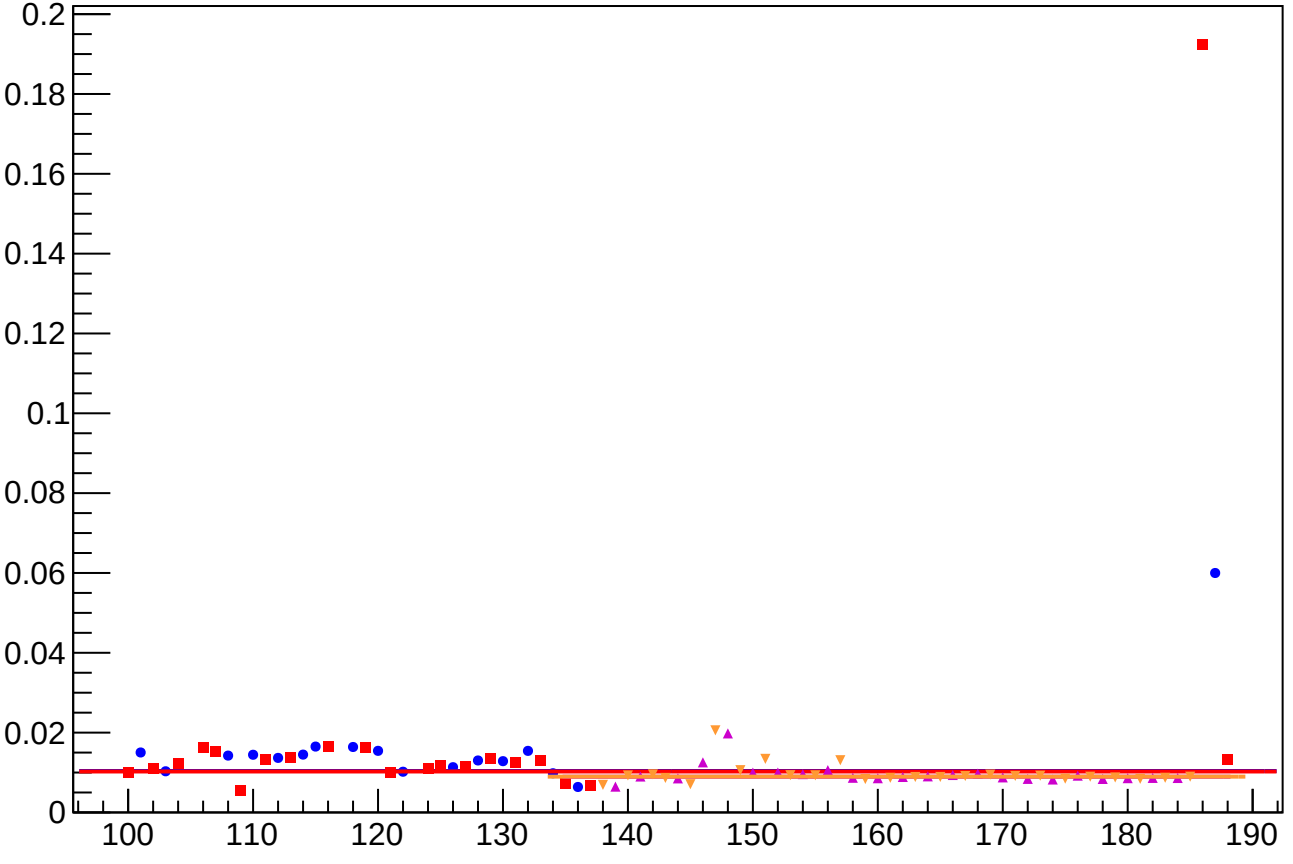
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

\+ sign 1.049+/-0.000 χ^2/NDF: 108277937409.8/41

All: 1.044+/-0.000 χ^2/NDF: 201806605457.0

\- sign 1.038+/-0.000 χ^2/NDF: 93510261829.9/43

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1592812.3/16

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

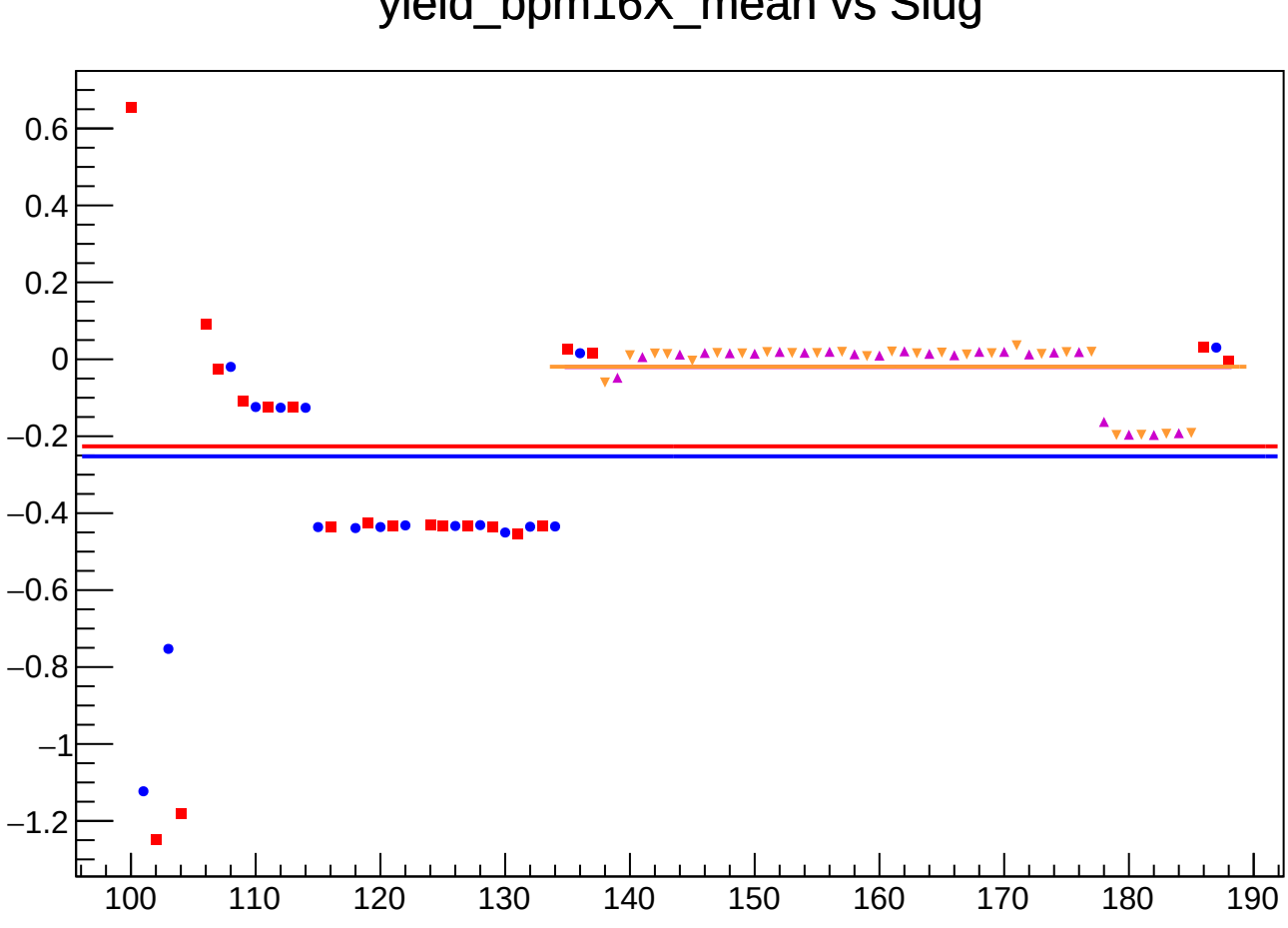
Right Out: 0.010+/-0.000 χ^2/NDF: 2087315.3/20

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 2917469.0/41

All: 0.009+/-0.000 χ^2/NDF: 6142968.7/85

- sign 0.009+/-0.000 χ^2/NDF: 3225499.7/43



Right In: -0.252+/-0.000 χ^2/NDF: 2032069174.3/16

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.226+/-0.000 χ^2/NDF: 1843859755.7/20

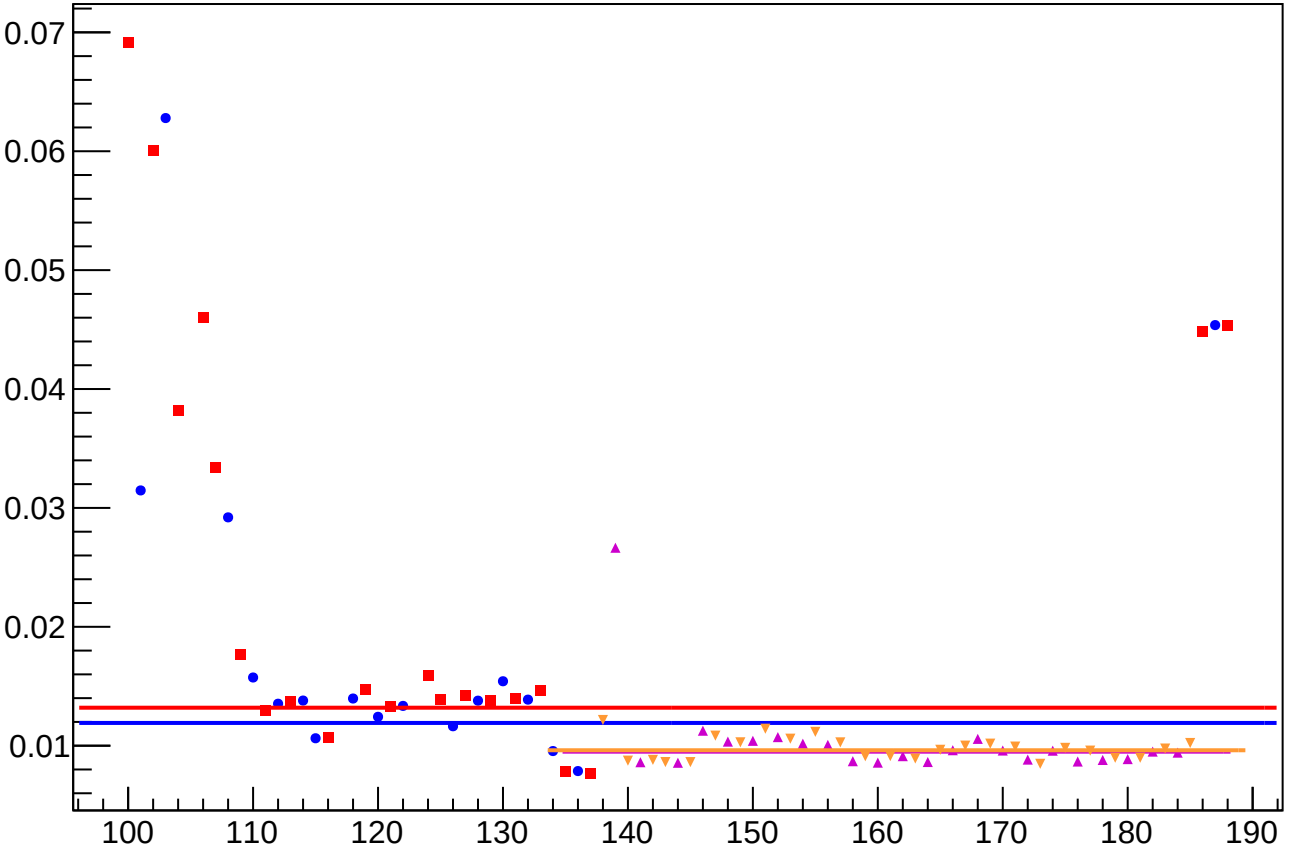
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.058+/-0.000 χ^2/NDF: 4698955005.0/41

All: -0.056+/-0.000 χ^2/NDF: 8685152107.5/8

- sign -0.053+/-0.000 χ^2/NDF: 3983638003.5/43

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2133915.3/16

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 3534975.5/20

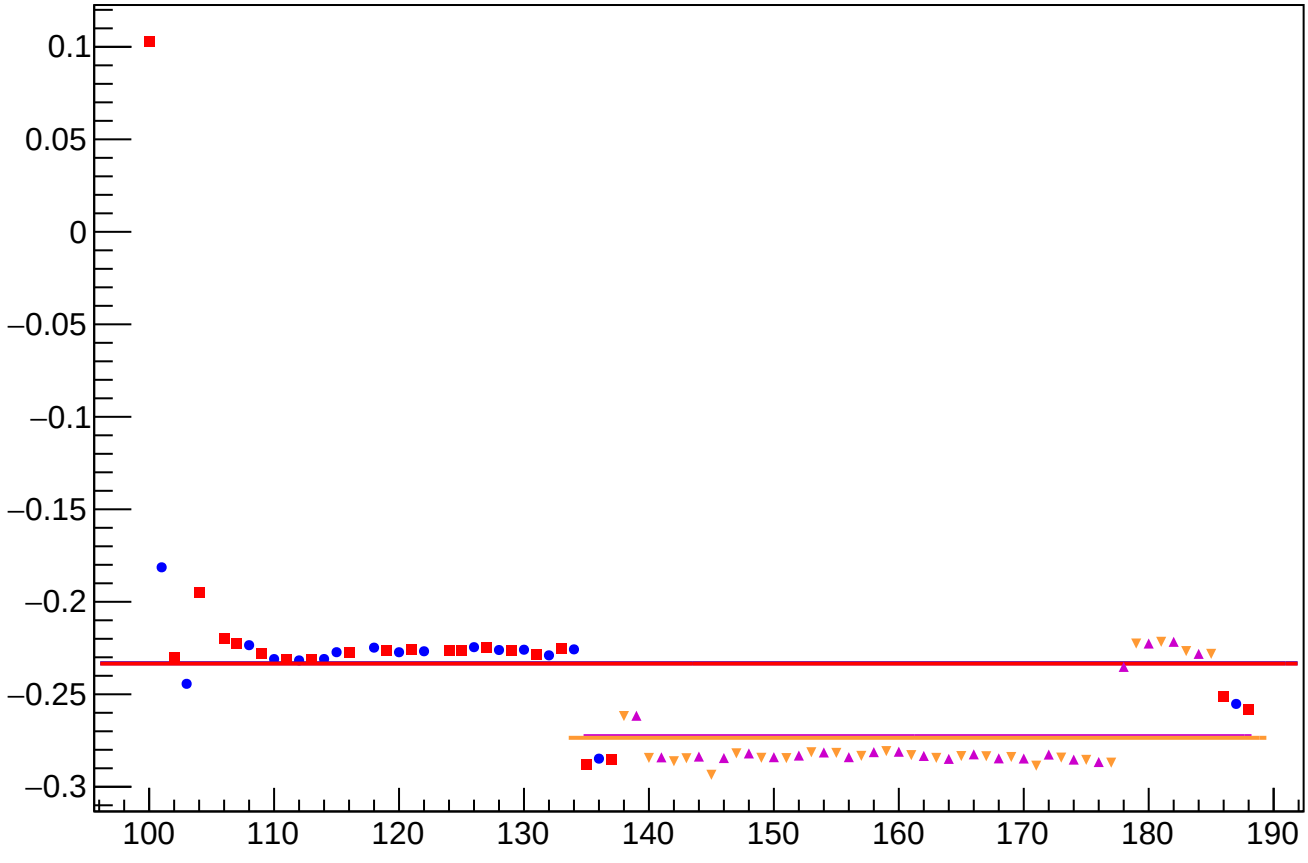
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 2719037.7/41

All: 0.010+/-0.000 χ^2/NDF: 7899365.0/85

- sign 0.010+/-0.000 χ^2/NDF: 5178537.6/43

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199785000.0/16

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.233+/-0.000 χ^2/NDF: 300173928.0/20

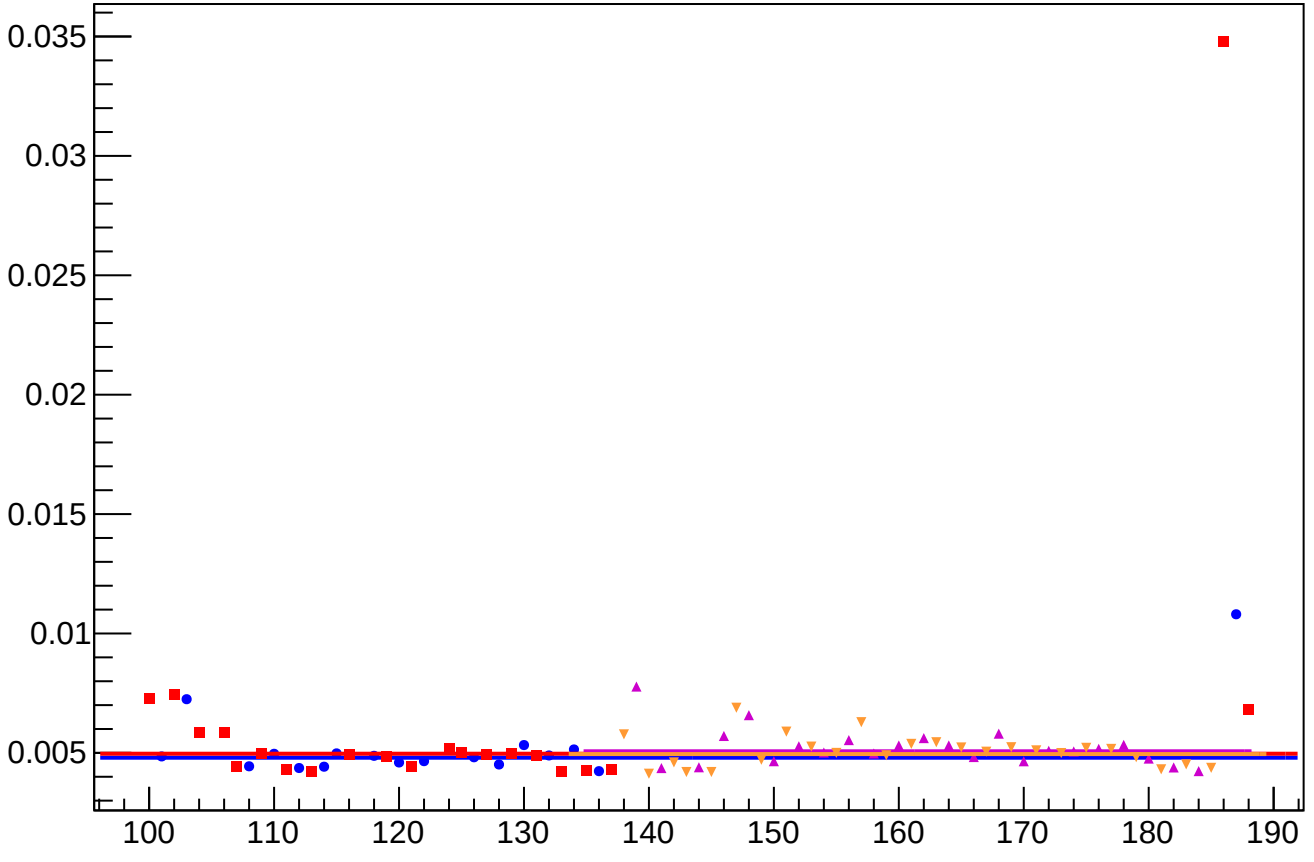
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.262+/-0.000 χ^2/NDF: 929170536.8/41

All: -0.261+/-0.000 χ^2/NDF: 1892312419.1/8

- sign -0.260+/-0.000 χ^2/NDF: 960936750.6/43

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 300072.6/16

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

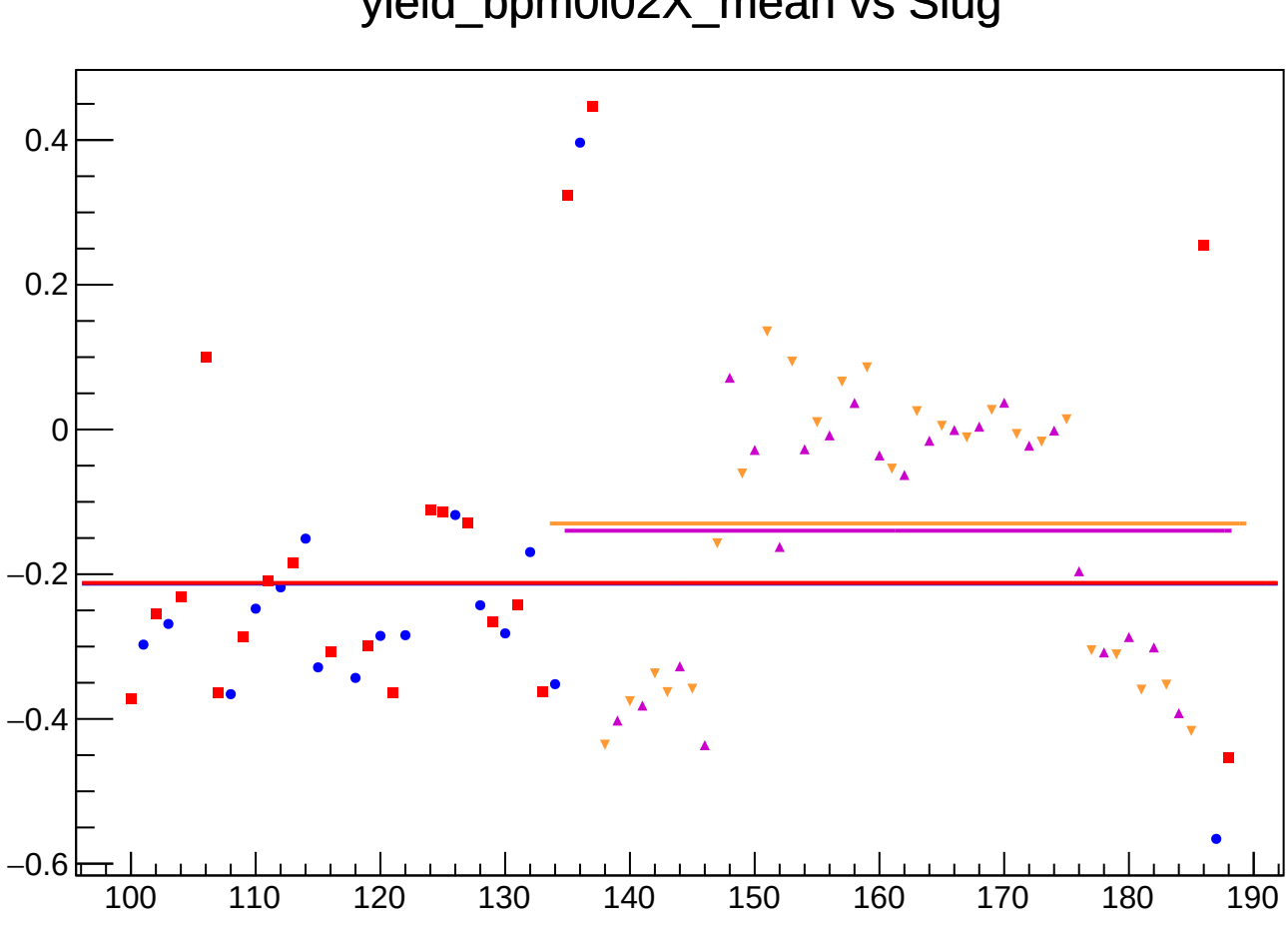
Right Out: 0.005+/-0.000 χ^2/NDF: 1005817.8/20

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 838335.5/41

All: 0.005+/-0.000 χ^2/NDF: 2403956.9/85

- sign 0.005+/-0.000 χ^2/NDF: 1549565.8/43



Right In: -0.213+/-0.000 χ^2/NDF: 6603502430.1/16

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.212+/-0.000 χ^2/NDF: 8159944277.3/20

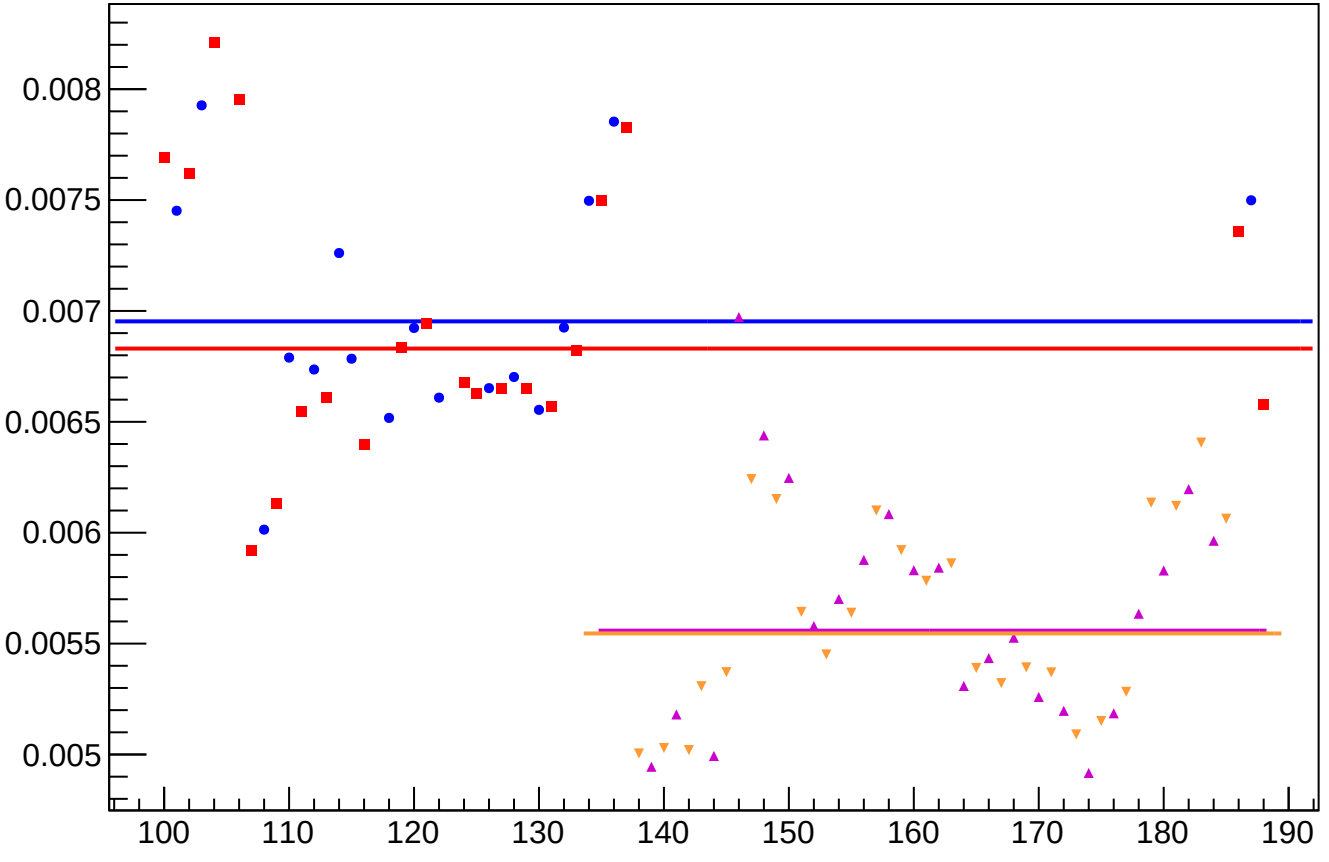
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.147+/-0.000 χ^2/NDF: 28923505126.4/41

All: -0.152+/-0.000 χ^2/NDF: 52998735169.8/

- sign -0.158+/-0.000 χ^2/NDF: 24028866605.4/43

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 87143.5/16

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

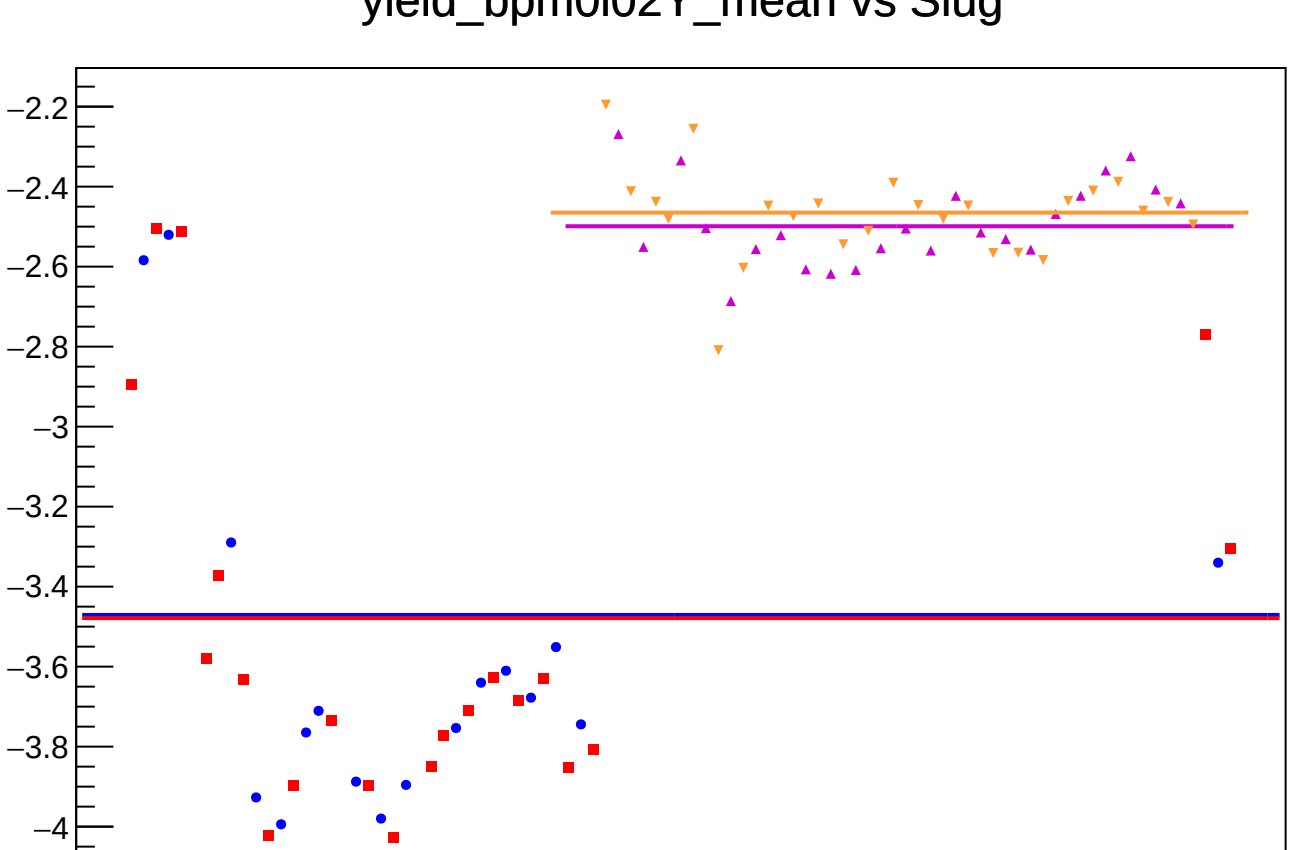
Right Out: 0.007+/-0.000 χ^2/NDF: 106755.7/20

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 761978.4/41

All: 0.006+/-0.000 χ^2/NDF: 1578271.3/85

- sign 0.006+/-0.000 χ^2/NDF: 814759.1/43



Right In: -3.471+/-0.000 χ^2/NDF: 29612779294.7/16

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.479+/-0.000 χ^2/NDF: 31641885427.9/20

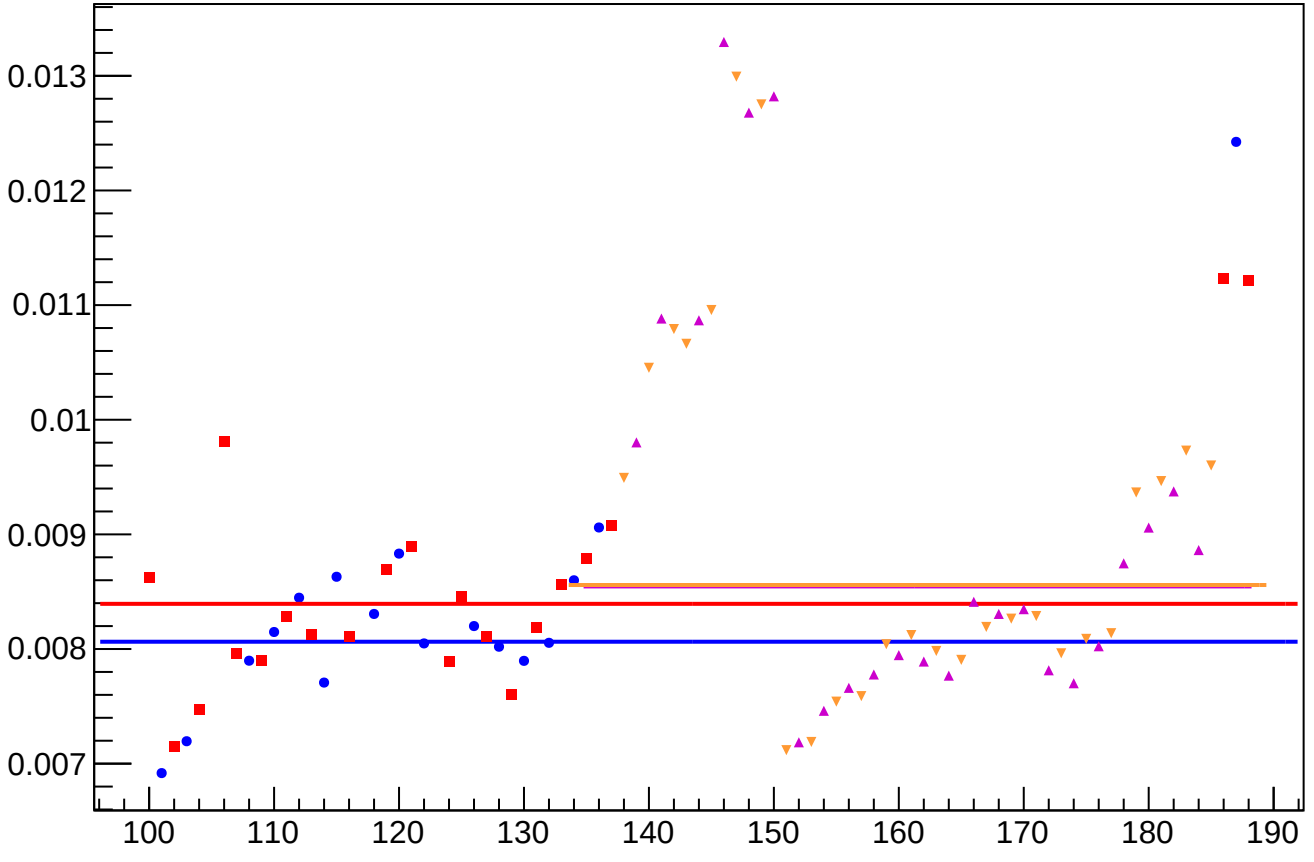
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.775+/-0.000 χ^2/NDF: 108725715606.0/41

All: -2.802+/-0.000 χ^2/NDF: 218735032998.0

- sign -2.829+/-0.000 χ^2/NDF: 109494245288.8/43

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 131753.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

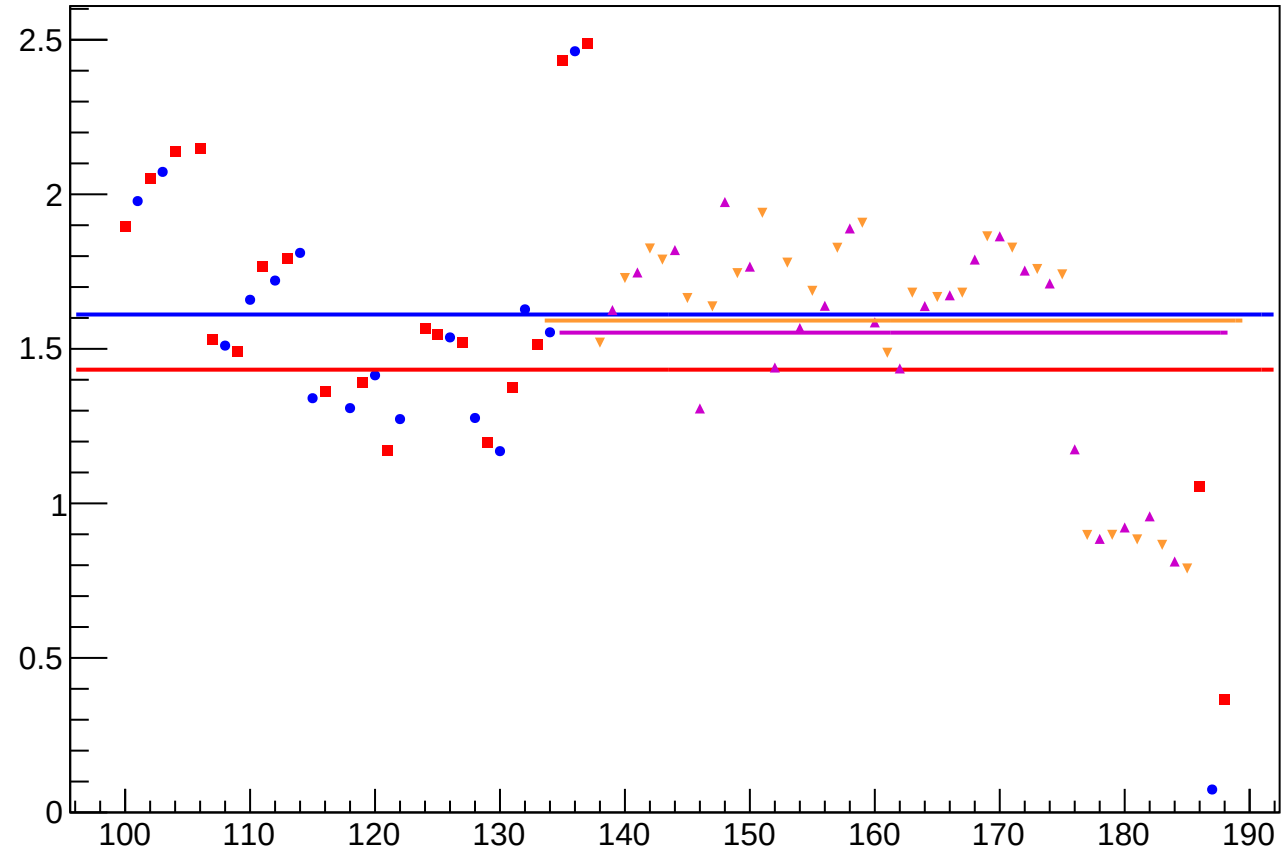
Right Out: 0.008+/-0.000 χ^2/NDF: 258667.2/20

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 993018.7/41

All: 0.008+/-0.000 χ^2/NDF: 2168881.4/85

- sign 0.008+/-0.000 χ^2/NDF: 1173058.0/43



Right In: 1.611+/-0.000 χ^2/NDF: 9773210619.5/16

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.433+/-0.000 χ^2/NDF: 19610375295.5/20

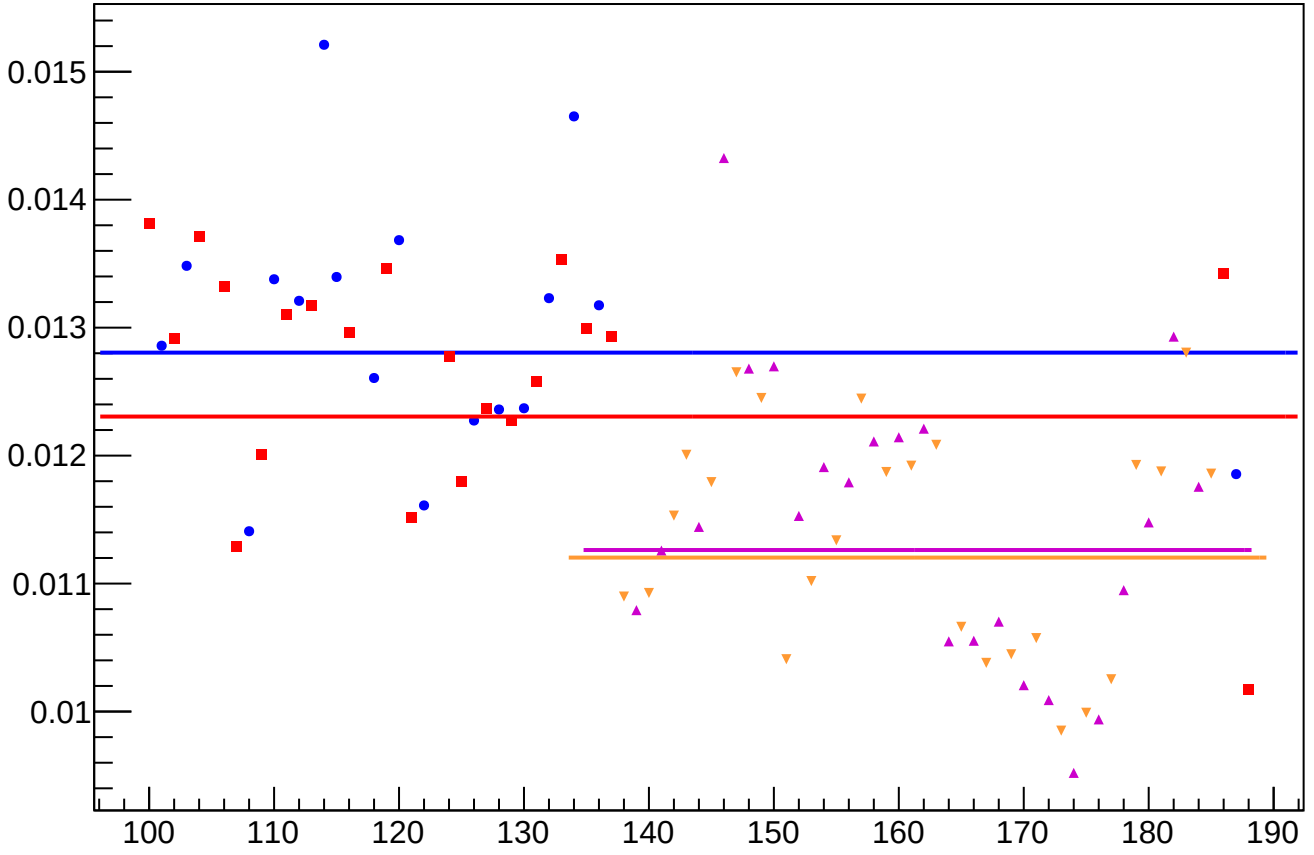
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.596+/-0.000 χ^2/NDF: 26864950022.7/41

All: 1.557+/-0.000 χ^2/NDF: 61694226378.3/8

- sign 1.518+/-0.000 χ^2/NDF: 34237588087.7/43

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 54887.5/16

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

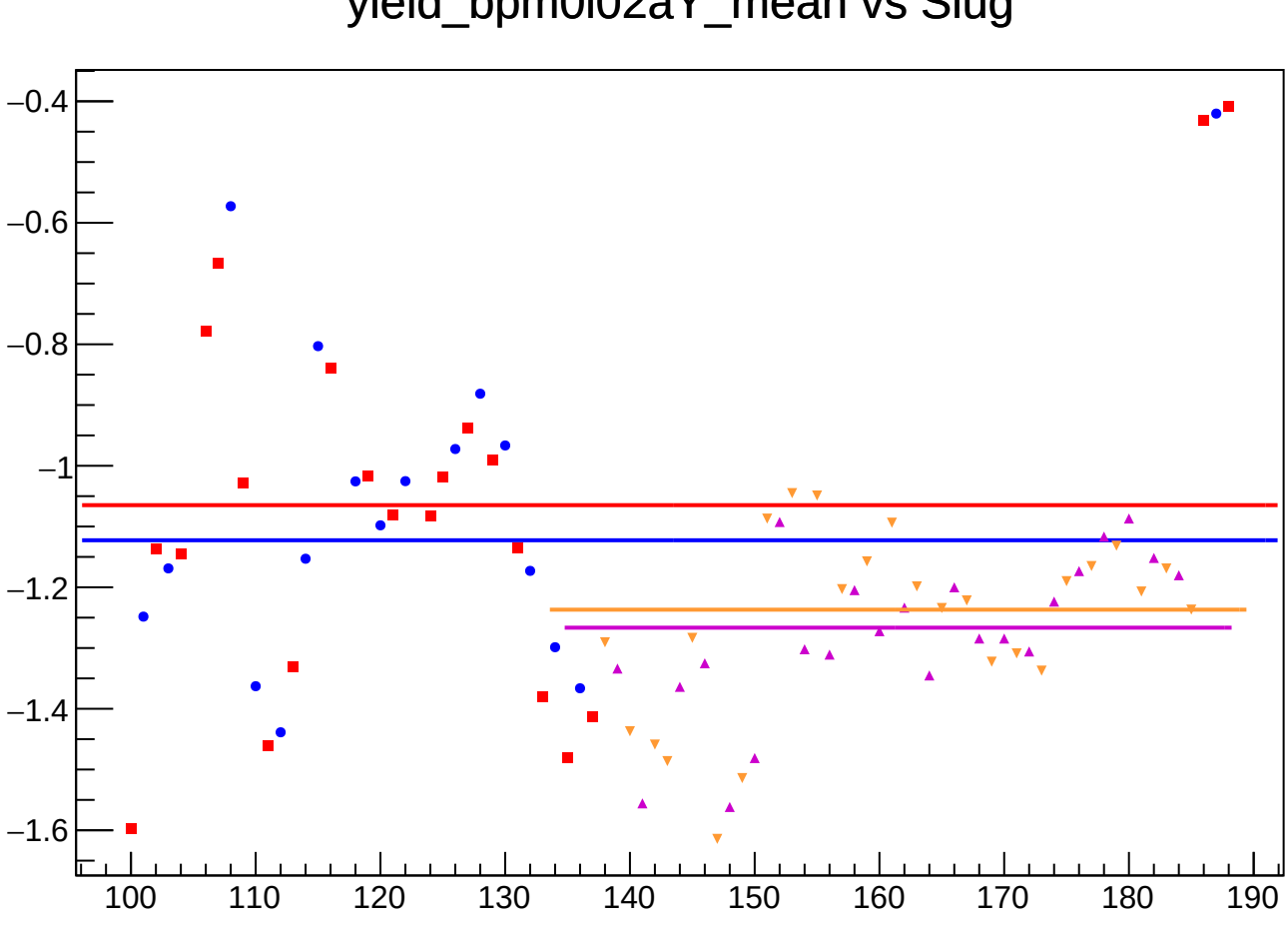
Right Out: 0.012+/-0.000 χ^2/NDF: 144789.5/20

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 451907.8/41

All: 0.012+/-0.000 χ^2/NDF: 994939.3/85

- sign 0.012+/-0.000 χ^2/NDF: 543026.4/43



Right In: -1.123+/-0.000 χ^2/NDF: 4301070068.3/16

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -1.065+/-0.000 χ^2/NDF: 8469450730.0/20

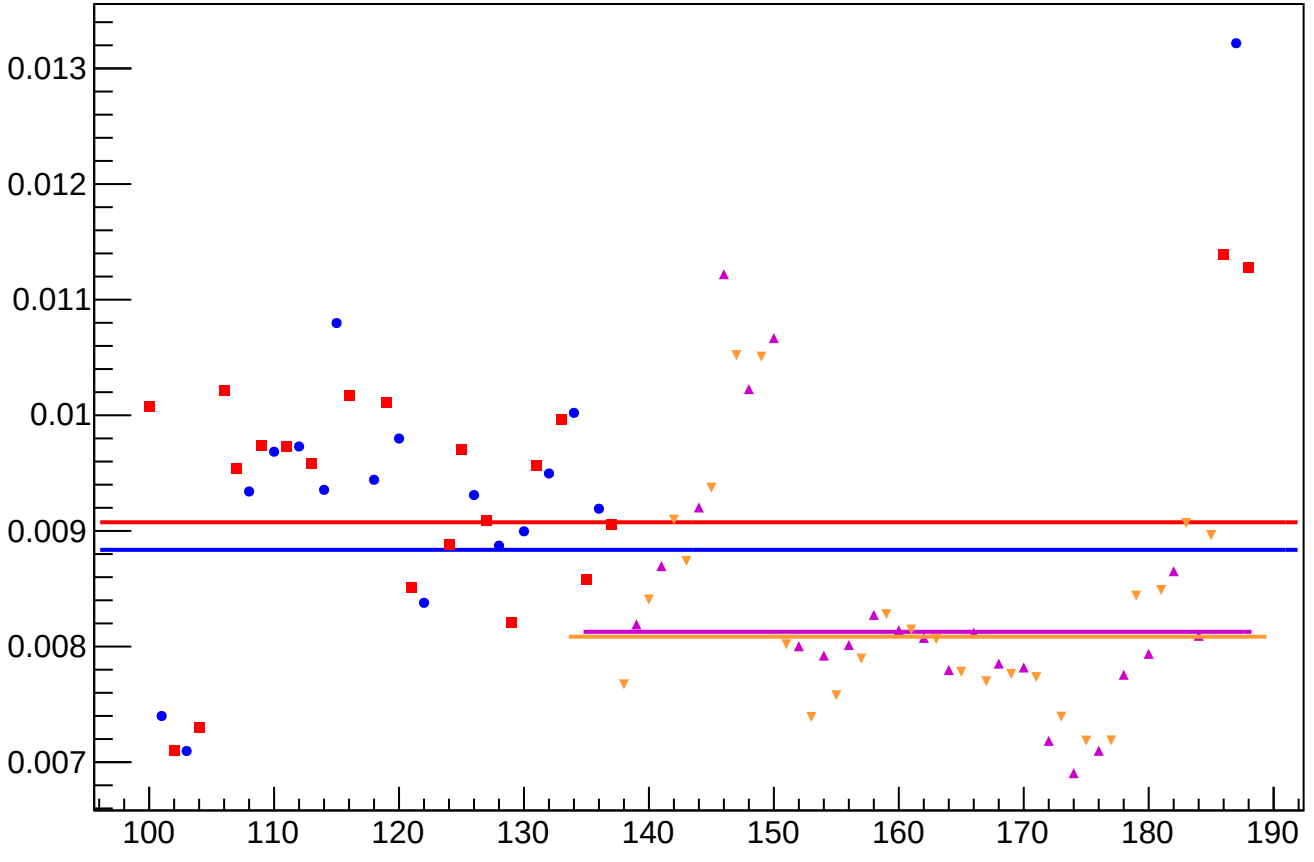
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.209+/-0.000 χ^2/NDF: 10157966705.3/41

All: -1.210+/-0.000 χ^2/NDF: 25233965672.1/

- sign -1.210+/-0.000 χ^2/NDF: 15075547341.7/43

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 213246.4/16

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

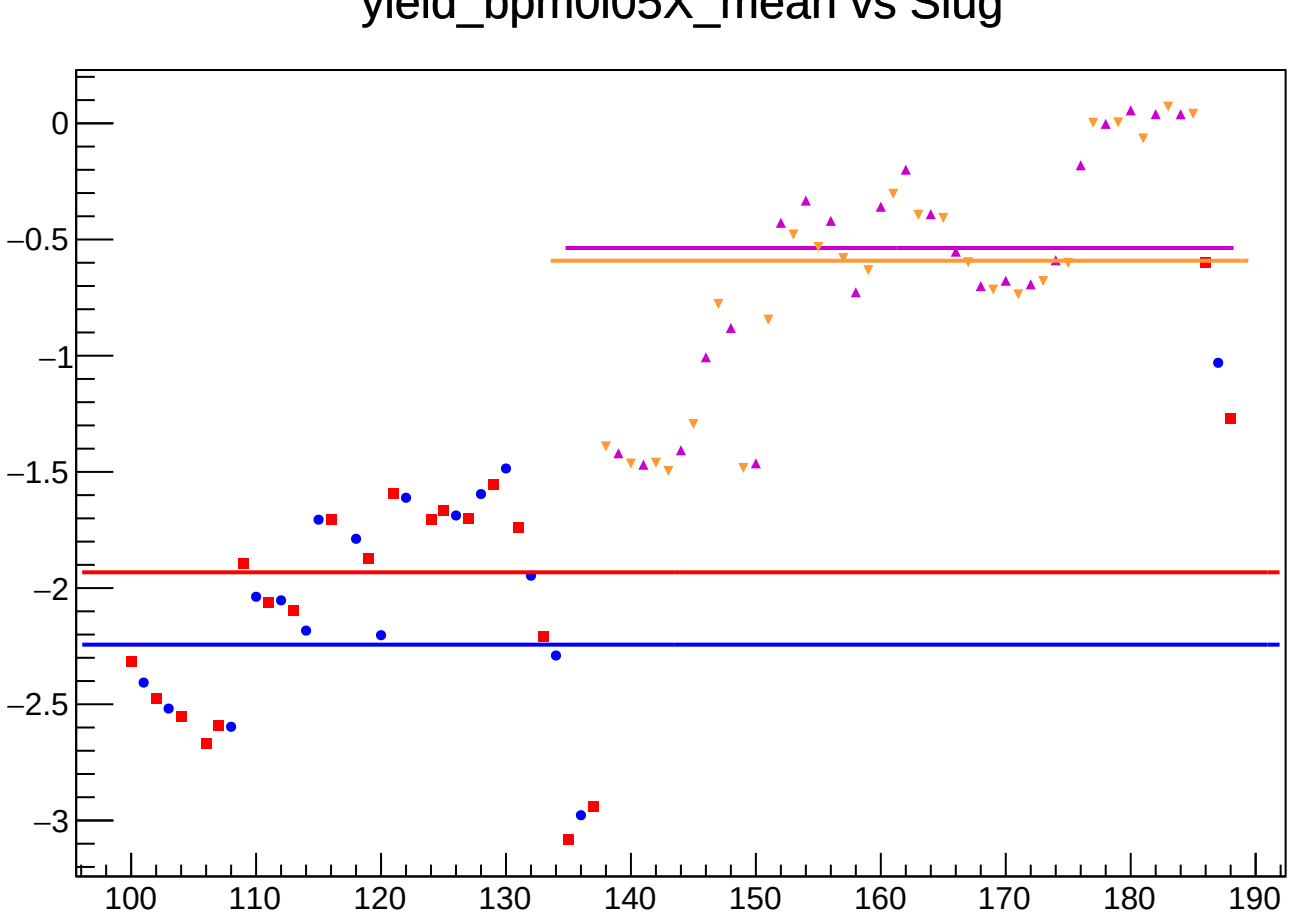
Right Out: 0.009+/-0.000 χ^2/NDF: 321469.0/20

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 616536.3/41

All: 0.008+/-0.000 χ^2/NDF: 1481703.1/85

- sign 0.008+/-0.000 χ^2/NDF: 859809.6/43



Right In: -2.243+/-0.000 χ^2/NDF: 20303380781.8/16

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.932+/-0.000 χ^2/NDF: 58578867207.0/20

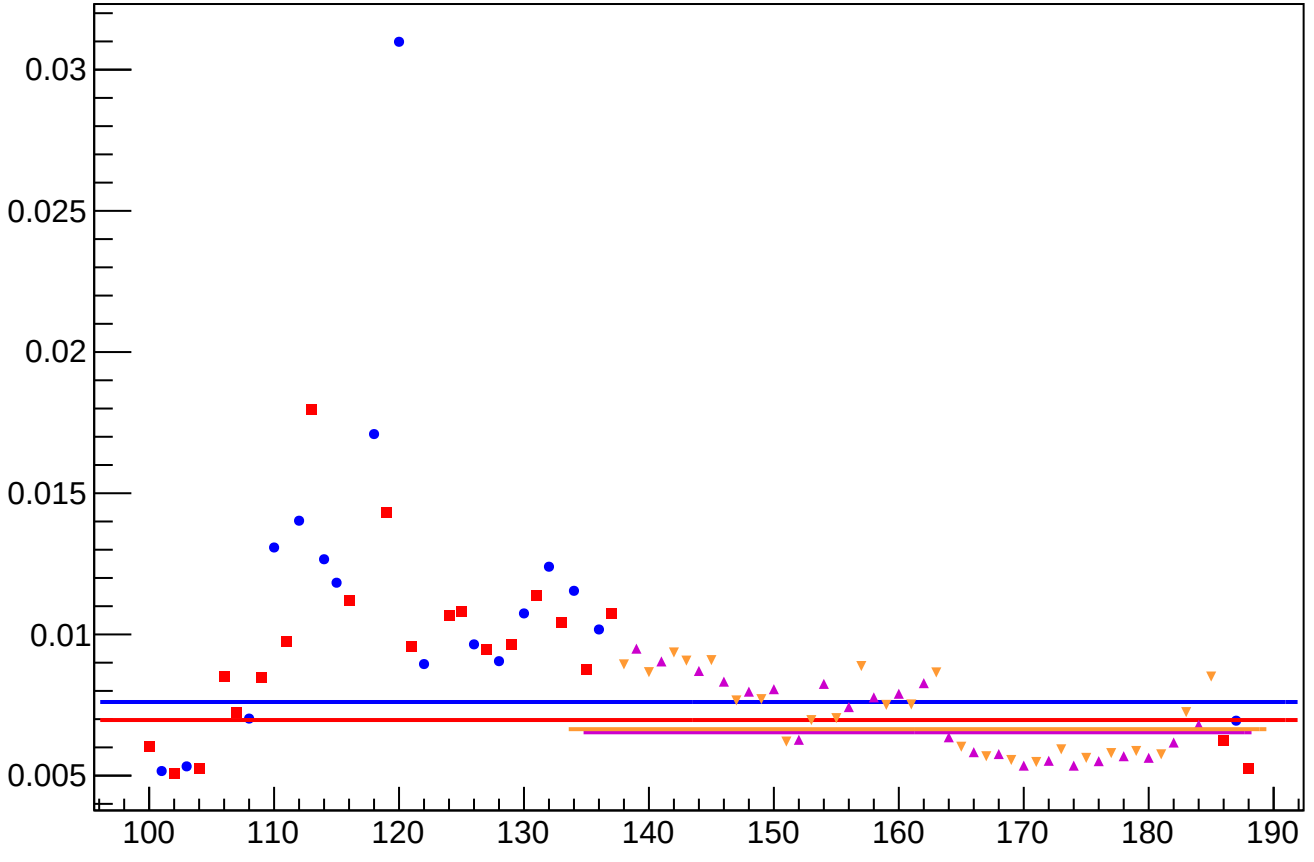
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.910+/-0.000 χ^2/NDF: 292575337847.0/41

All: -0.911+/-0.000 χ^2/NDF: 616258864652.8

- sign -0.913+/-0.000 χ^2/NDF: 323681422212.9/43

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1713823.7/16

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

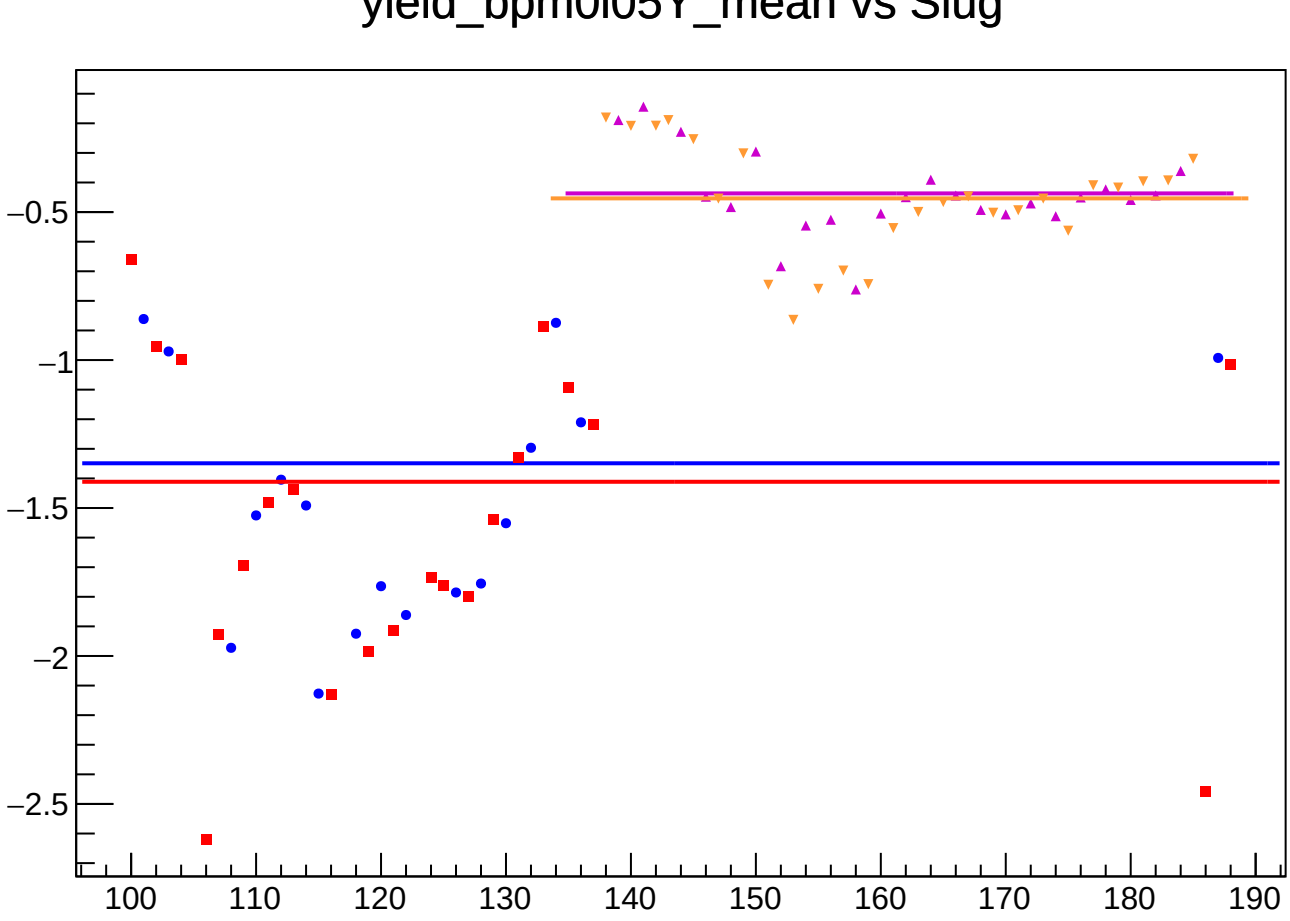
Right Out: 0.007+/-0.000 χ^2/NDF: 1601815.1/20

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 2941257.0/41

All: 0.007+/-0.000 χ^2/NDF: 5747572.4/85

- sign 0.007+/-0.000 χ^2/NDF: 2790692.1/43



Right In: -1.349+/-0.000 χ^2/NDF: 22024366534.9/16

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.411+/-0.000 χ^2/NDF: 61456821885.9/20

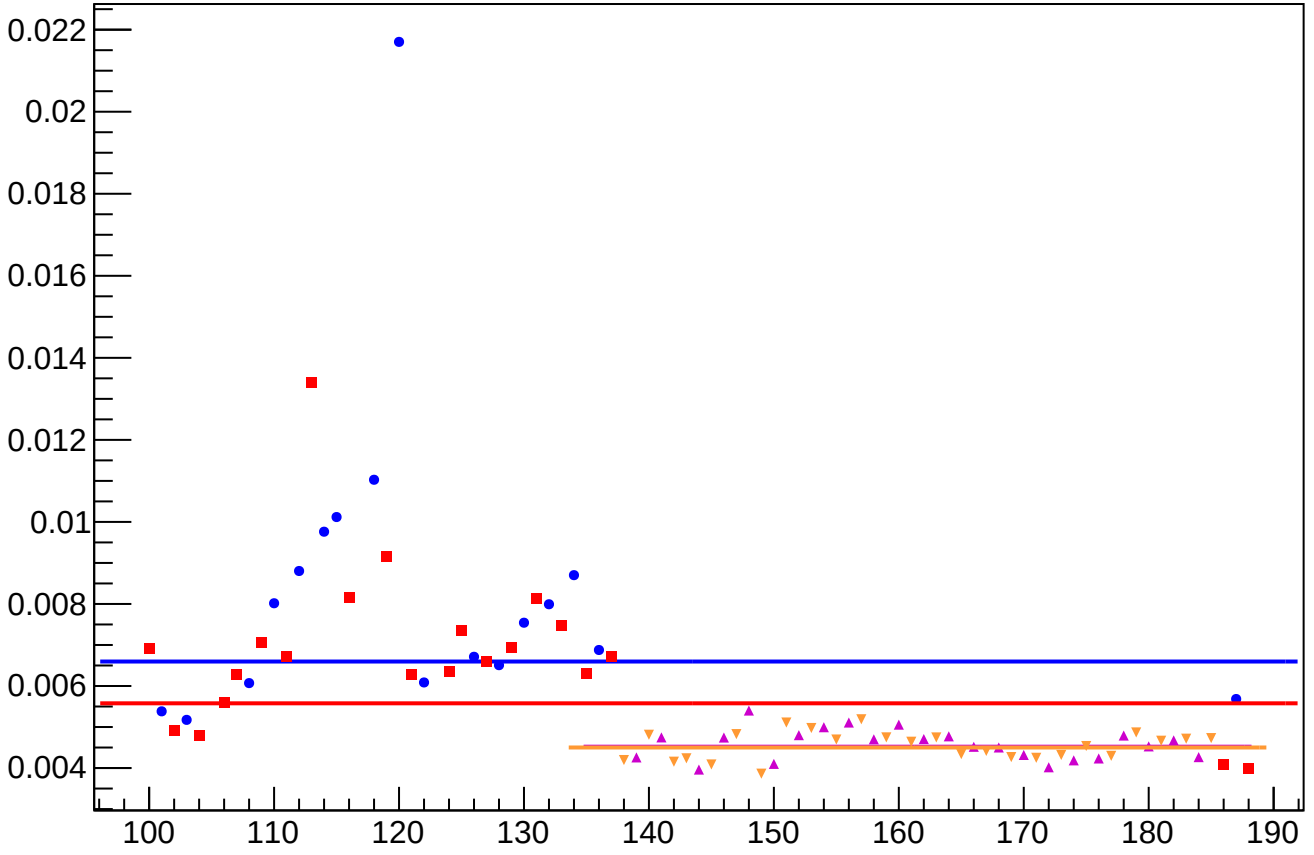
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.575+/-0.000 χ^2/NDF: 145354174838.6/41

All: -0.613+/-0.000 χ^2/NDF: 394876018570.8

- sign -0.649+/-0.000 χ^2/NDF: 246677828869.1/43

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 700798.0/16

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

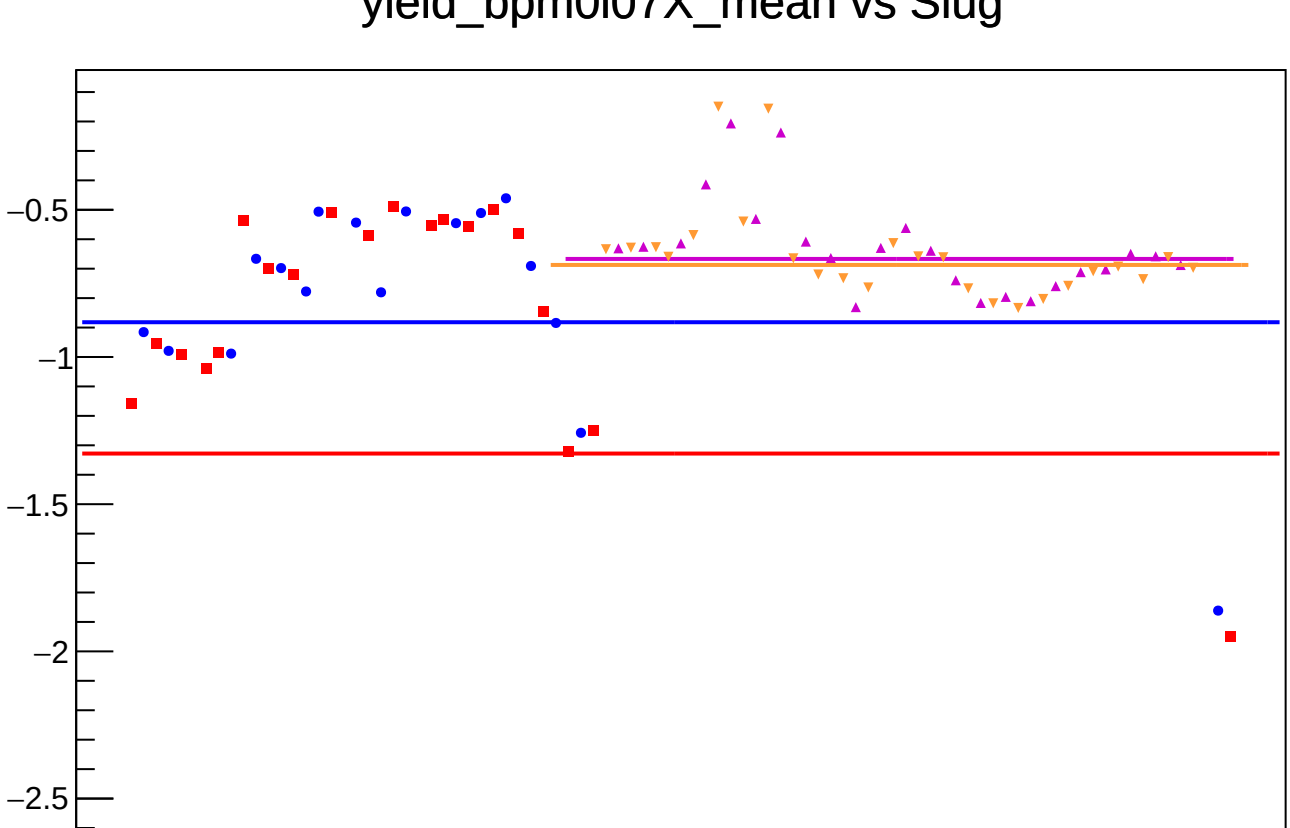
Right Out: 0.006+/-0.000 χ^2/NDF: 1068928.4/20

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 1922979.4/41

All: 0.005+/-0.000 χ^2/NDF: 3602306.3/85

- sign 0.005+/-0.000 χ^2/NDF: 1678192.9/43



Right In: -0.882+/-0.000 χ^2/NDF: 23575280287.6/16

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.328+/-0.000 χ^2/NDF: 165247952785.0/20

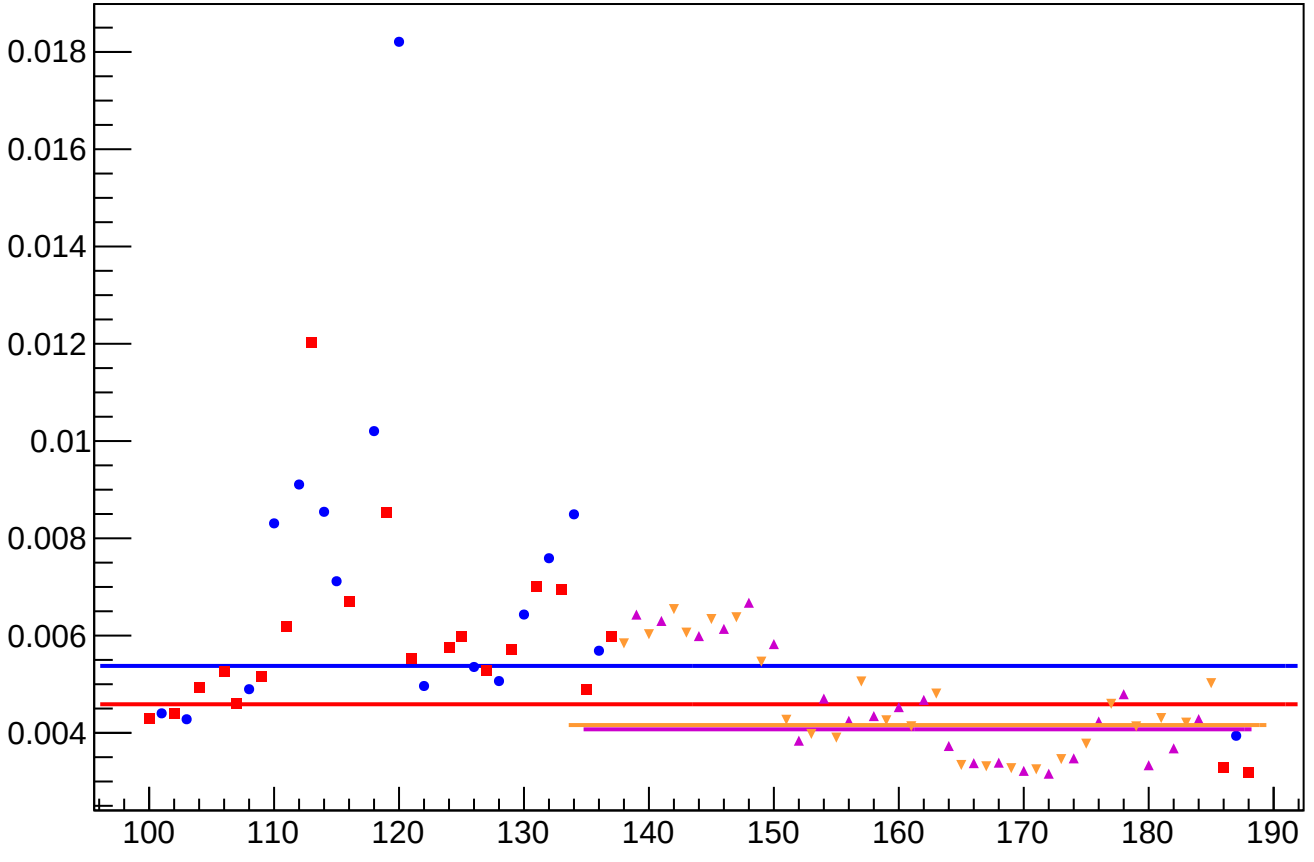
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.720+/-0.000 χ^2/NDF: 52201969995.8/41

All: -0.781+/-0.000 χ^2/NDF: 355354991684.5

- sign -0.837+/-0.000 χ^2/NDF: 294834046454.0/43

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1010272.6/16

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1294944.4/20

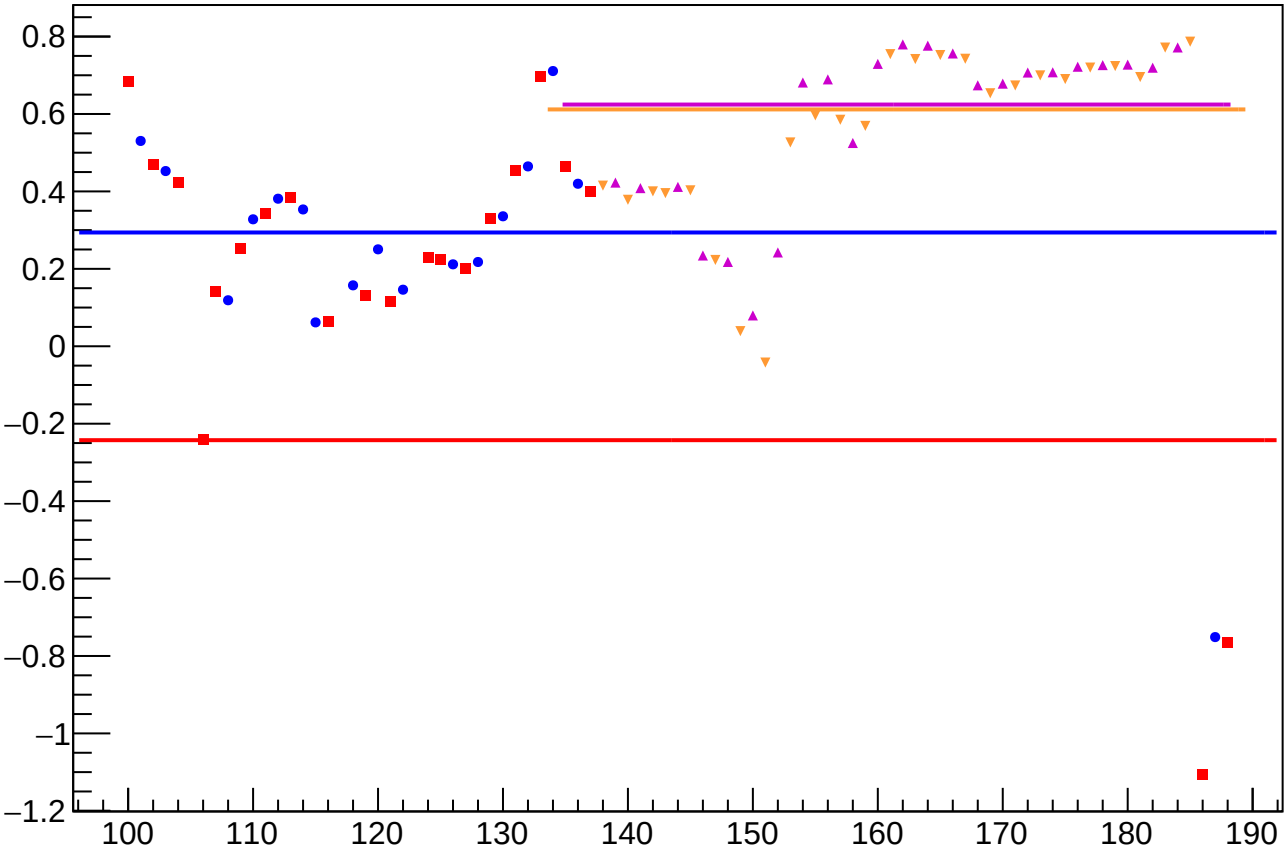
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 3011745.5/41

All: 0.004+/-0.000 χ^2/NDF: 6218327.5/85

- sign 0.004+/-0.000 χ^2/NDF: 3175274.9/43

yield_bpm0i07Y_mean vs Slug



Right In: 0.294+/-0.000 χ^2/NDF: 36316046087.1/16

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.243+/-0.000 χ^2/NDF: 297998201172.5/20

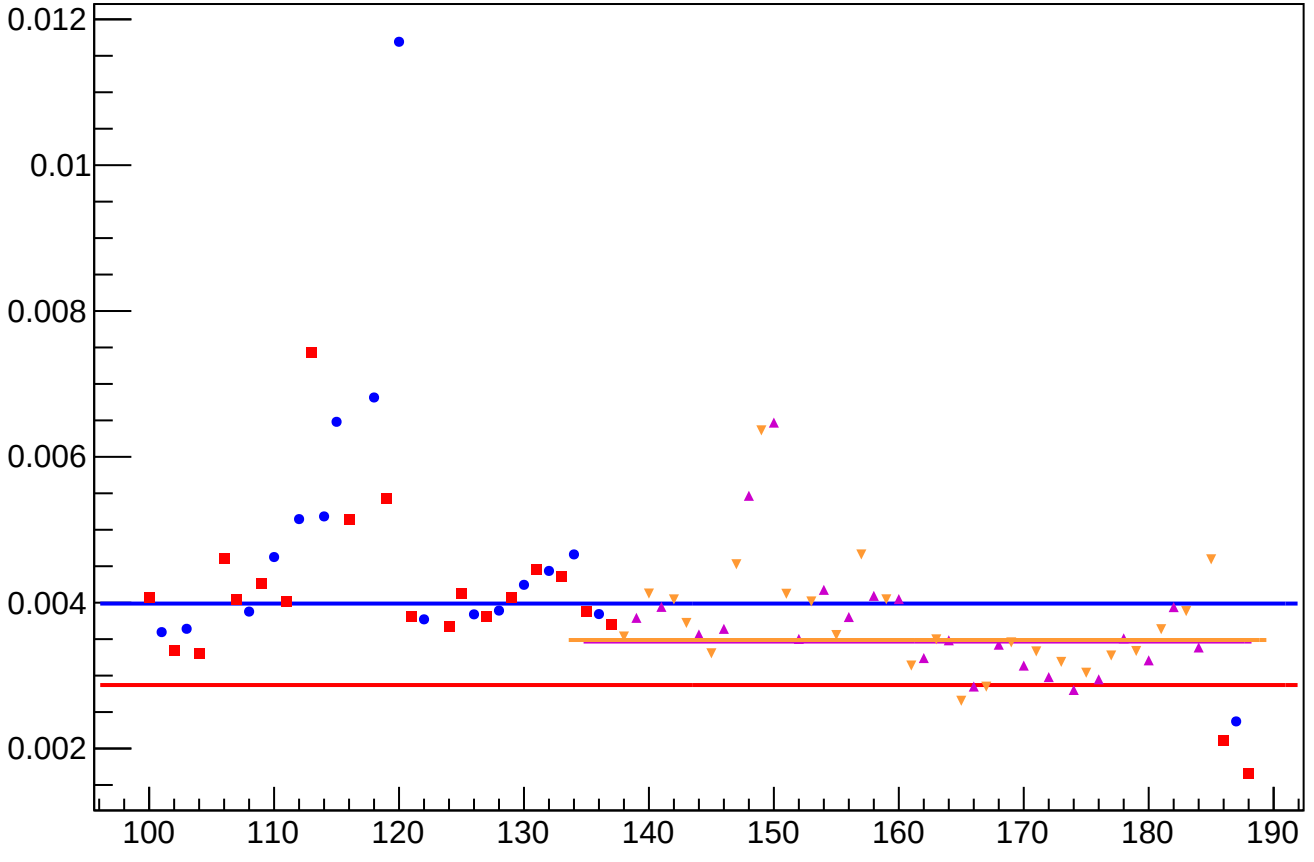
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.539+/-0.000 χ^2/NDF: 112442320152.1/41

All: 0.401+/-0.000 χ^2/NDF: 880415348948.1

- sign 0.287+/-0.000 χ^2/NDF: 708512354207.7/43

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 623449.4/16

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

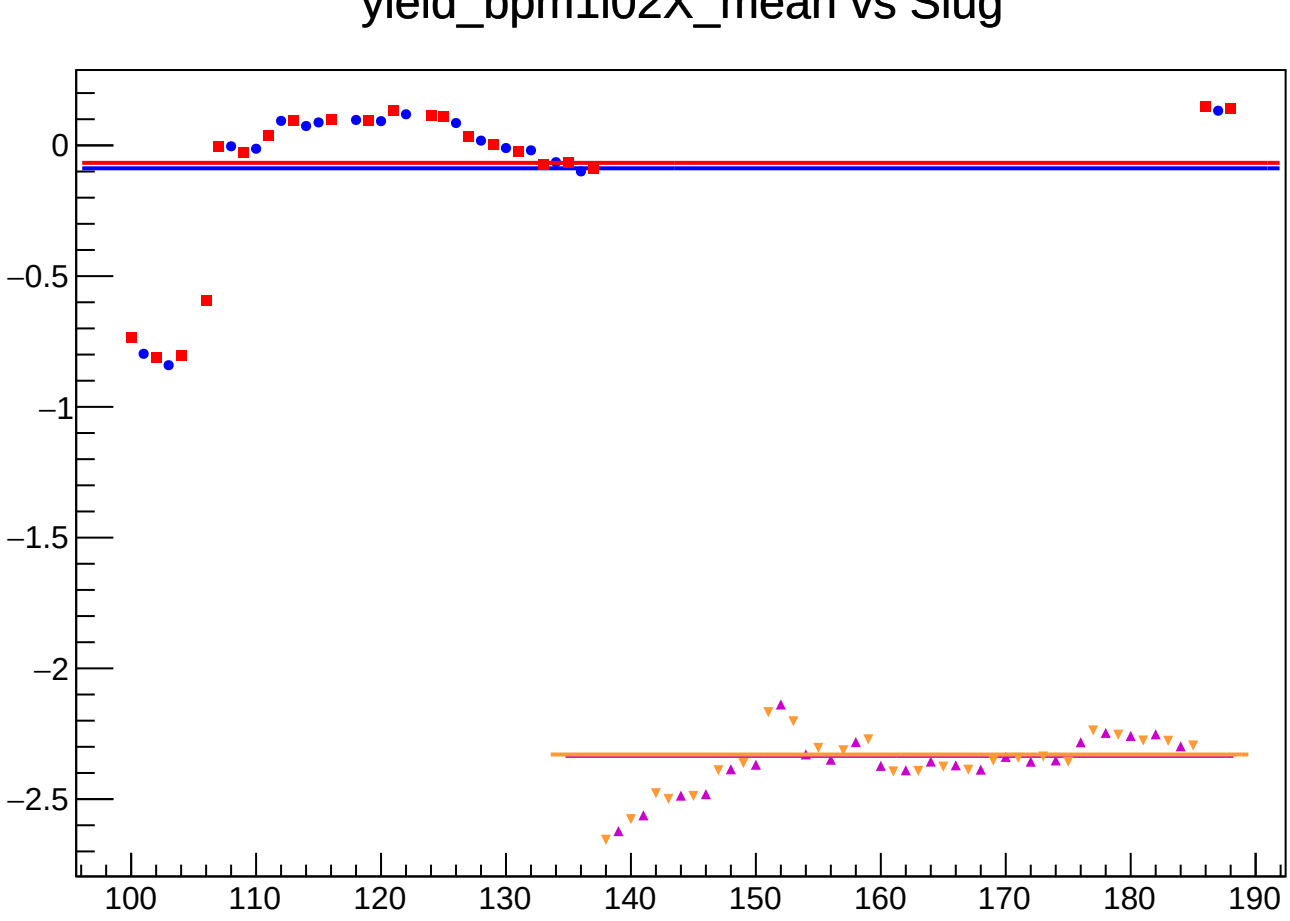
Right Out: 0.003+/-0.000 χ^2/NDF: 2327255.4/20

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.004+/-0.000 χ^2/NDF: 1624434.2/41

All: 0.003+/-0.000 χ^2/NDF: 5448131.4/85

- sign 0.003+/-0.000 χ^2/NDF: 3571551.5/43



Right In: -0.088+/-0.000 χ^2/NDF: 5583333480.8/16

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.067+/-0.000 χ^2/NDF: 6951159392.3/20

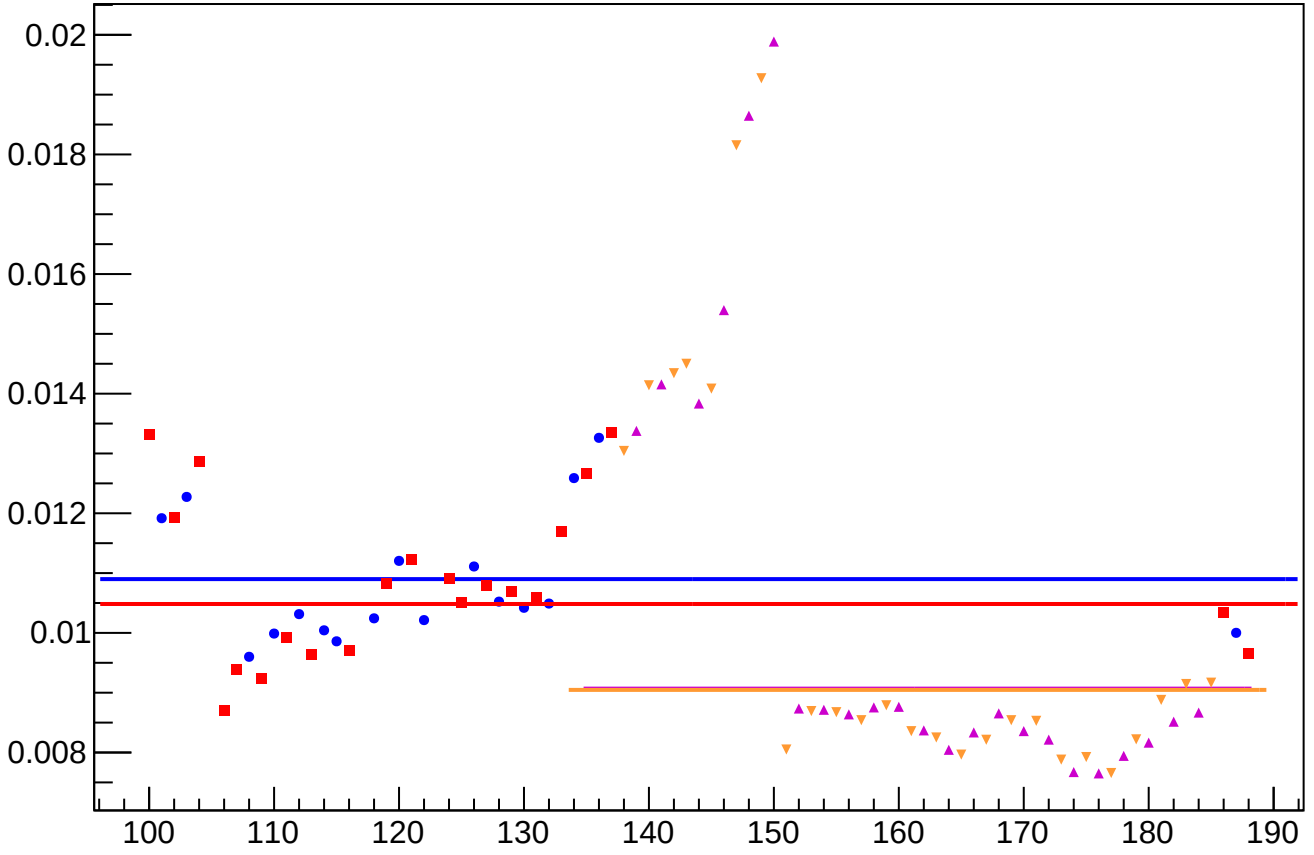
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.843+/-0.000 χ^2/NDF: 249663794382.5/41

All: -1.776+/-0.000 χ^2/NDF: 556737519691.8

- sign -1.709+/-0.000 χ^2/NDF: 304510249702.9/43

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 139592.3/16

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

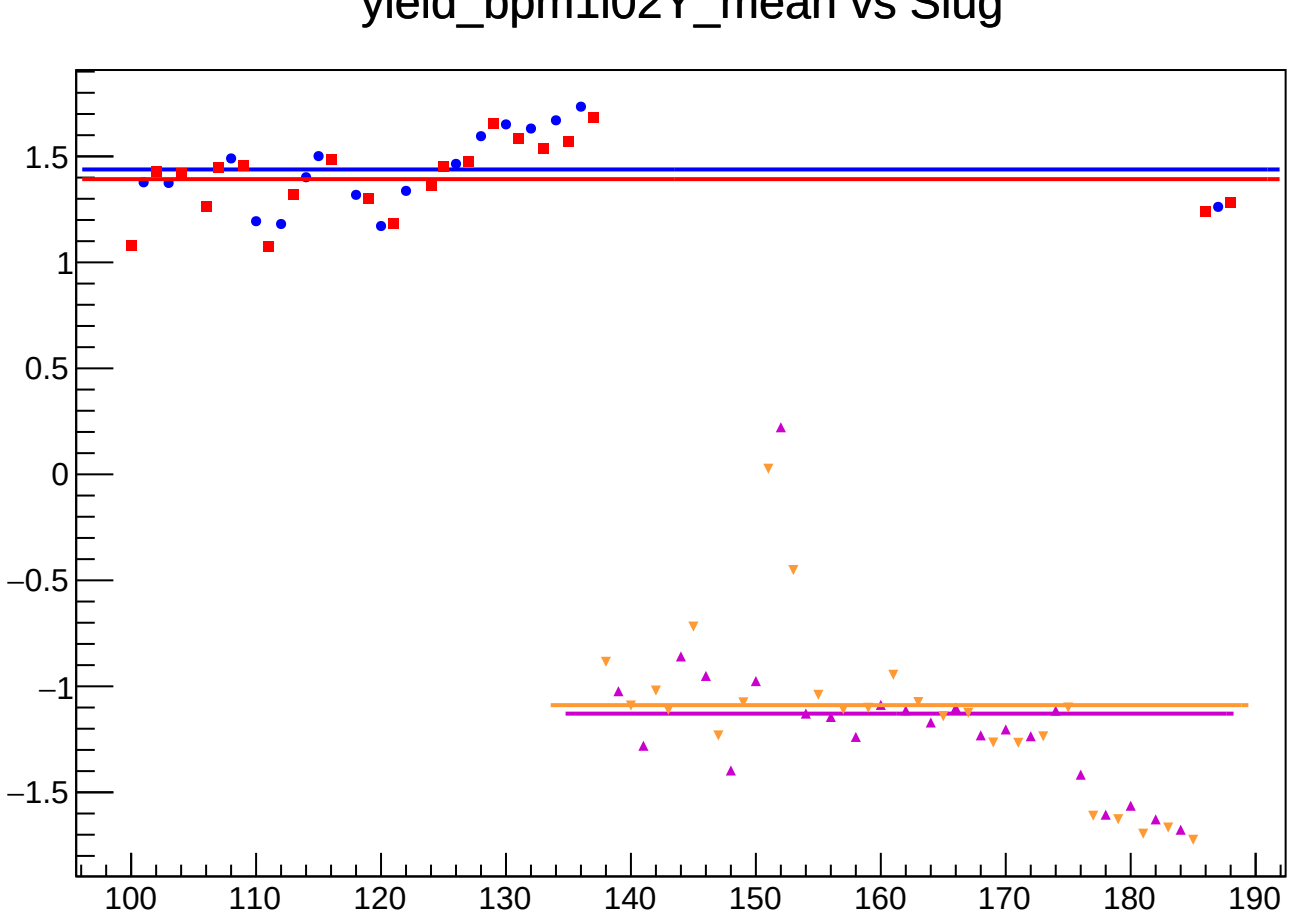
Right Out: 0.010+/-0.000 χ^2/NDF: 207131.2/20

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

\+ sign 0.009+/-0.000 χ^2/NDF: 2518959.6/41

All: 0.009+/-0.000 χ^2/NDF: 5090765.8/85

\- sign 0.009+/-0.000 χ^2/NDF: 2571779.5/43



Right In: 1.438+/-0.000 χ^2/NDF: 3844188092.4/16

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.393+/-0.000 χ^2/NDF: 3270646172.0/20

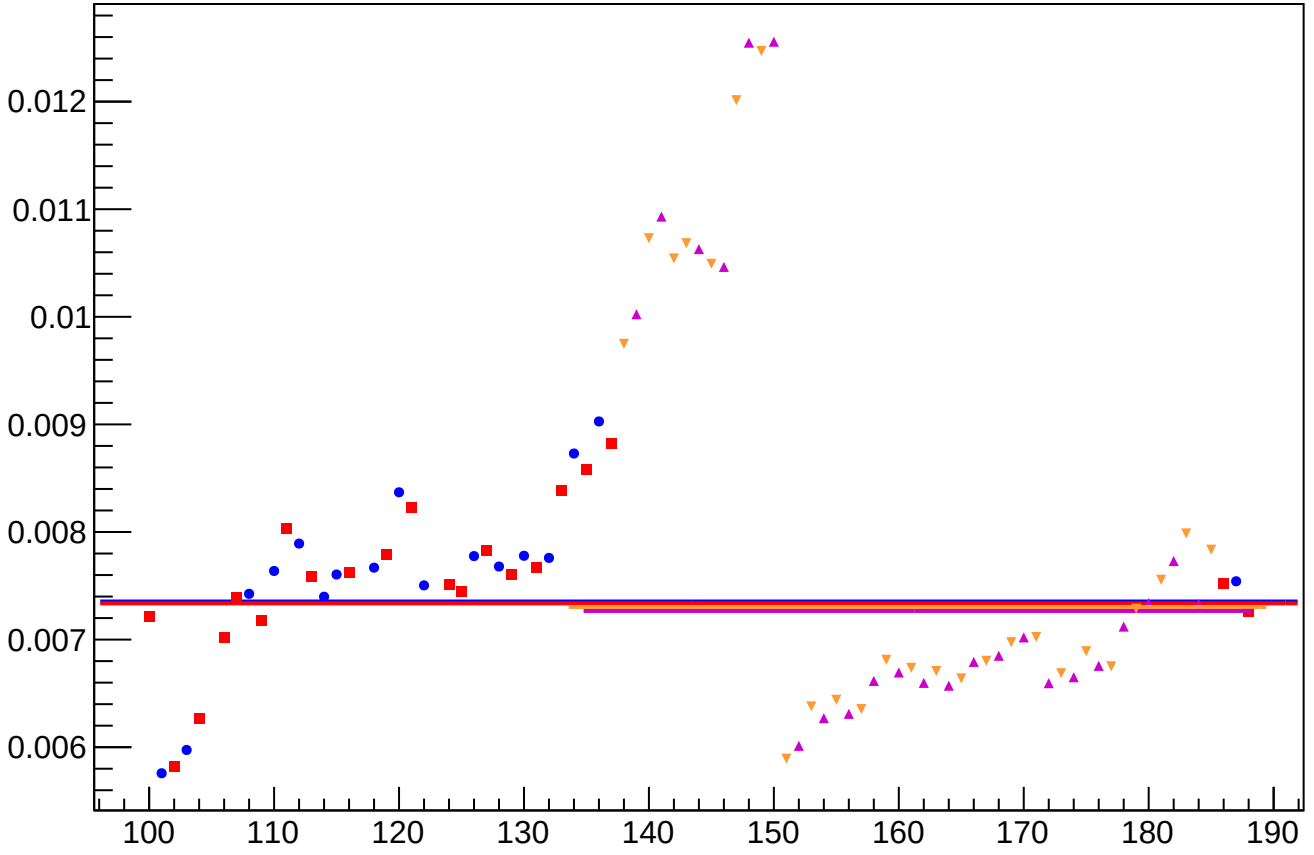
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.384+/-0.000 χ^2/NDF: 682460749222.4/41

All: -0.341+/-0.000 χ^2/NDF: 1438318032788

- sign -0.299+/-0.000 χ^2/NDF: 754132379114.9/43

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 271101.1/16

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 196085.2/20

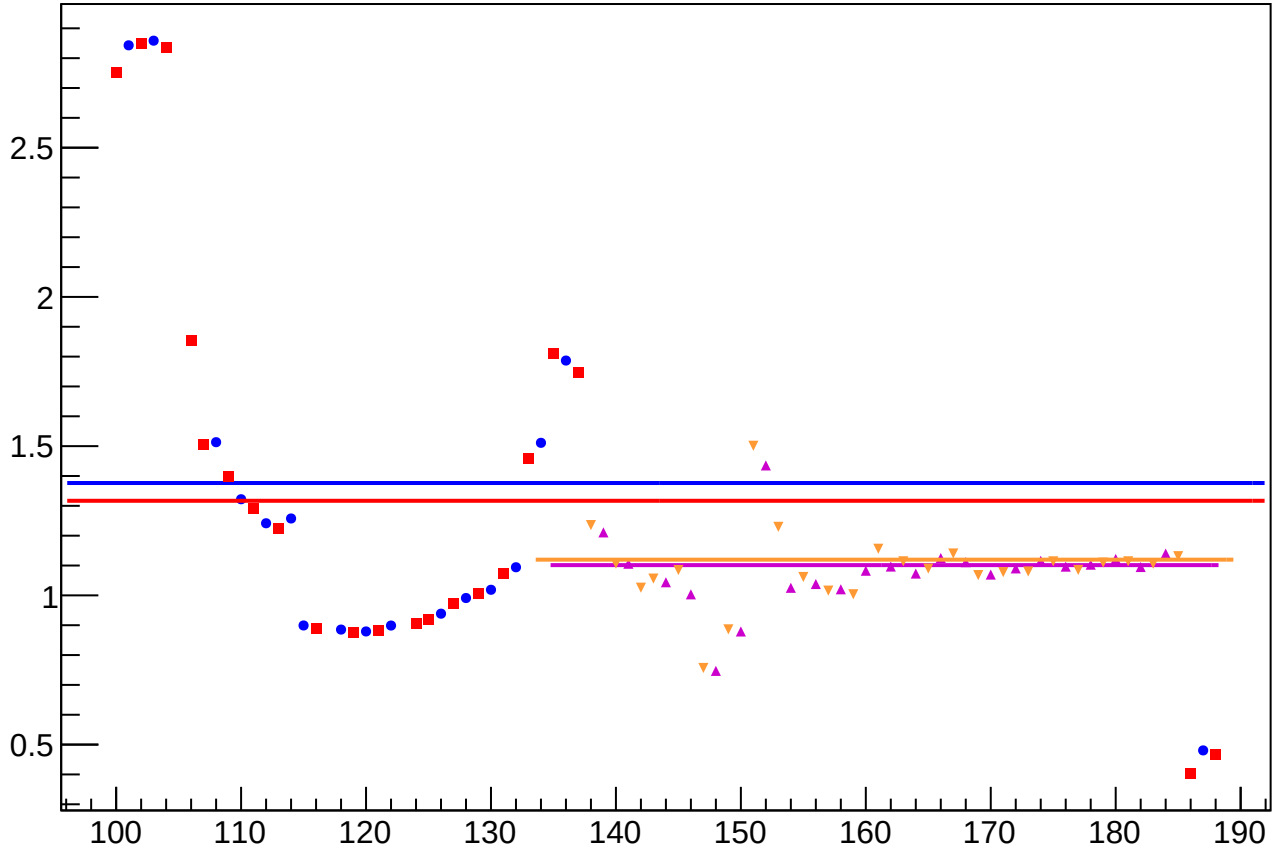
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1775697.1/41

All: 0.007+/-0.000 χ^2/NDF: 3533340.5/85

- sign 0.007+/-0.000 χ^2/NDF: 1757257.2/43

yield_bpm1i04X_mean vs Slug



Right In: 1.376+/-0.000 χ^2/NDF: 60162141307.8/16

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.317+/-0.000 χ^2/NDF: 67035970152.4/20

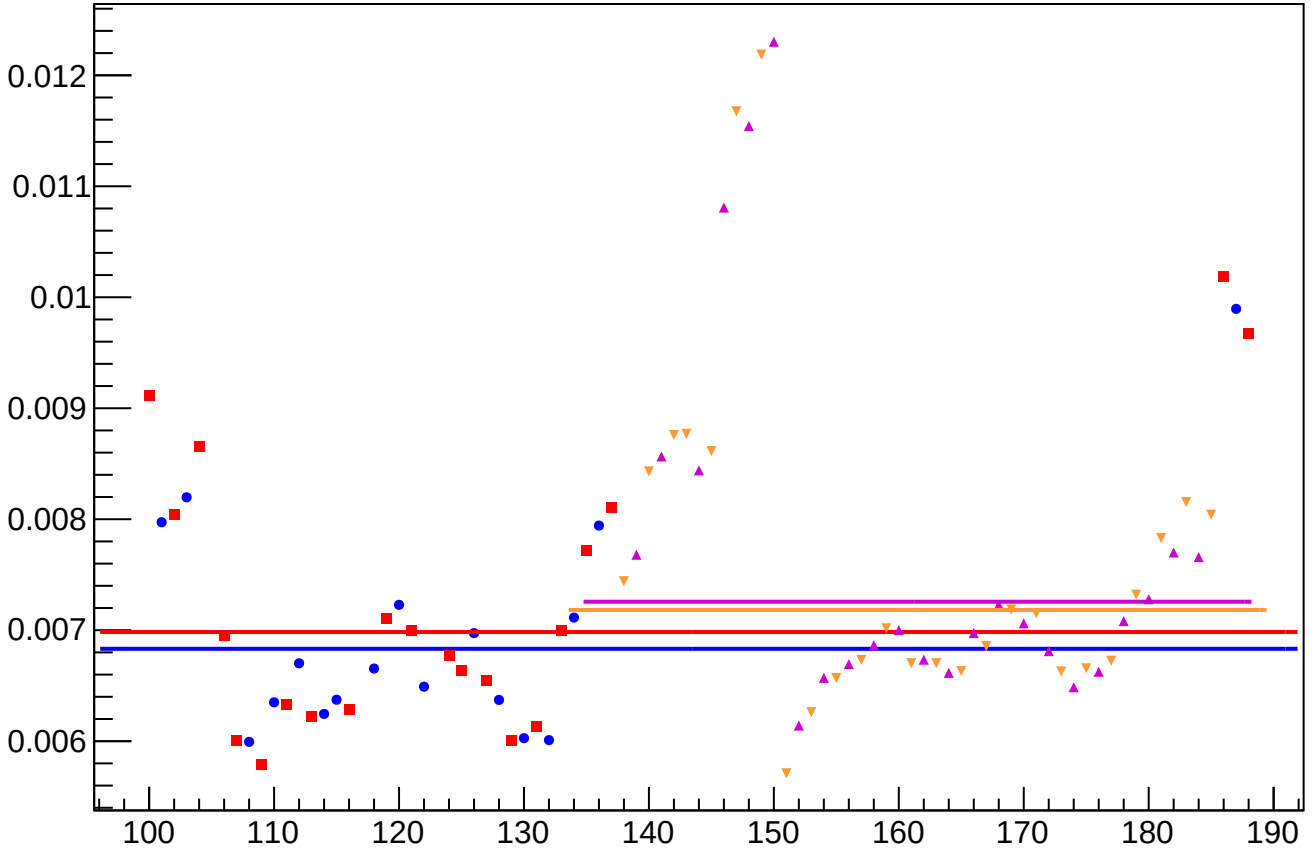
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.198+/-0.000 χ^2/NDF: 72834124355.6/41

All: 1.187+/-0.000 χ^2/NDF: 149545845084.2

- sign 1.176+/-0.000 χ^2/NDF: 76593402823.5/43

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 200680.6/16

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

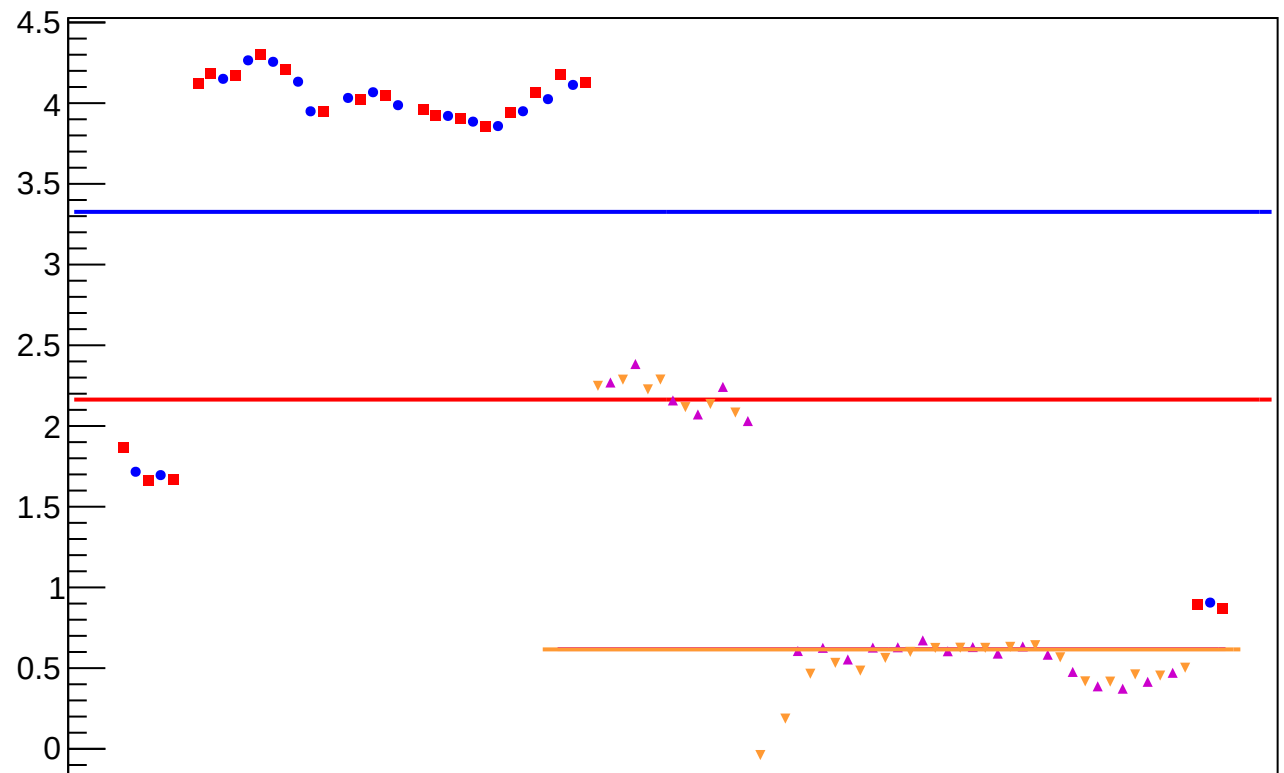
Right Out: 0.007+/-0.000 χ^2/NDF: 447710.1/20

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1121090.1/41

All: 0.007+/-0.000 χ^2/NDF: 2506431.9/85

- sign 0.007+/-0.000 χ^2/NDF: 1381577.7/43



Right In: 3.326+/-0.000 χ^2/NDF: 365849978895.1/16

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 2.164+/-0.000 χ^2/NDF: 1185788269877.9/20

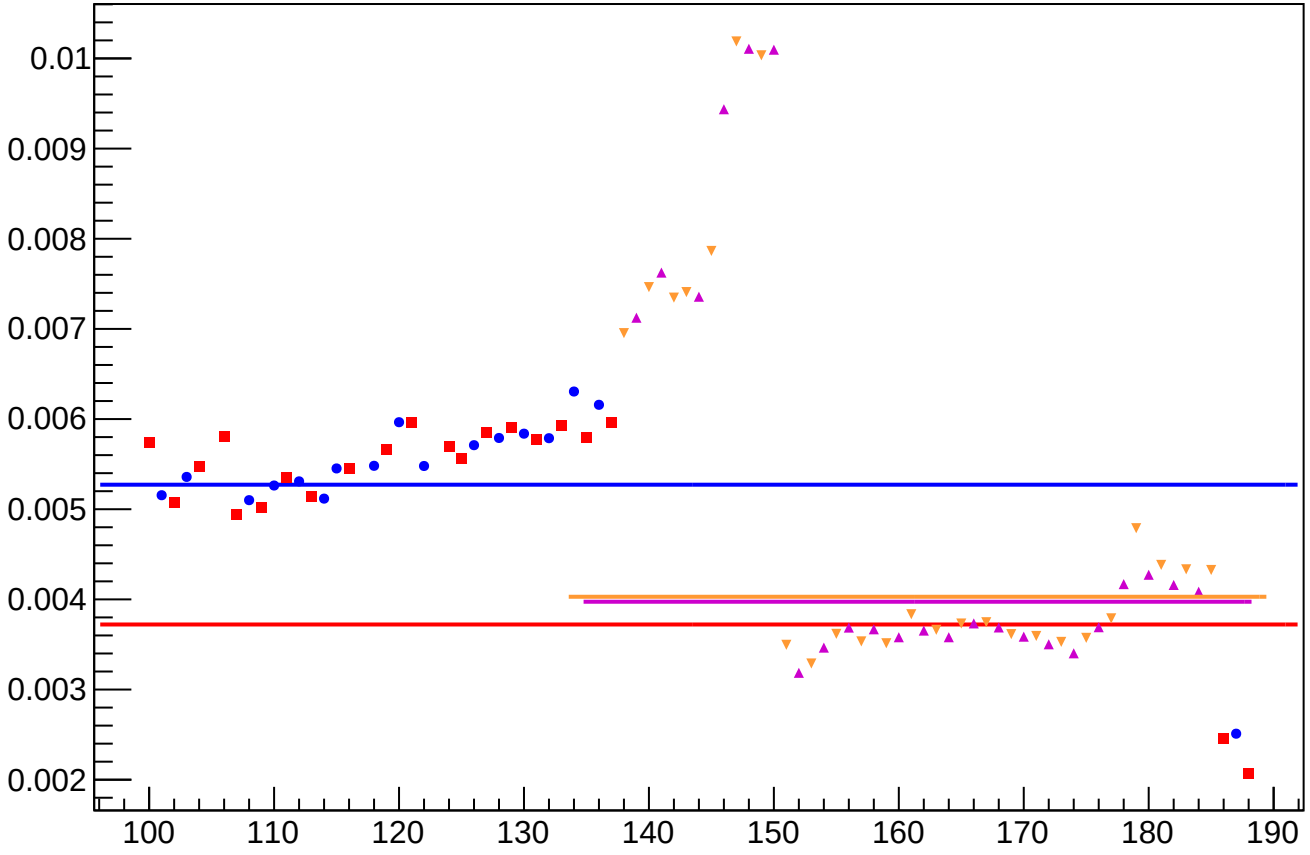
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.145+/-0.000 χ^2/NDF: 2131164561288.6/41

All: 1.139+/-0.000 χ^2/NDF: 4390147966317.

- sign 1.134+/-0.000 χ^2/NDF: 2258906536456.9/43

yield_bpm1i04Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 485264.2/16

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2955417.4/20

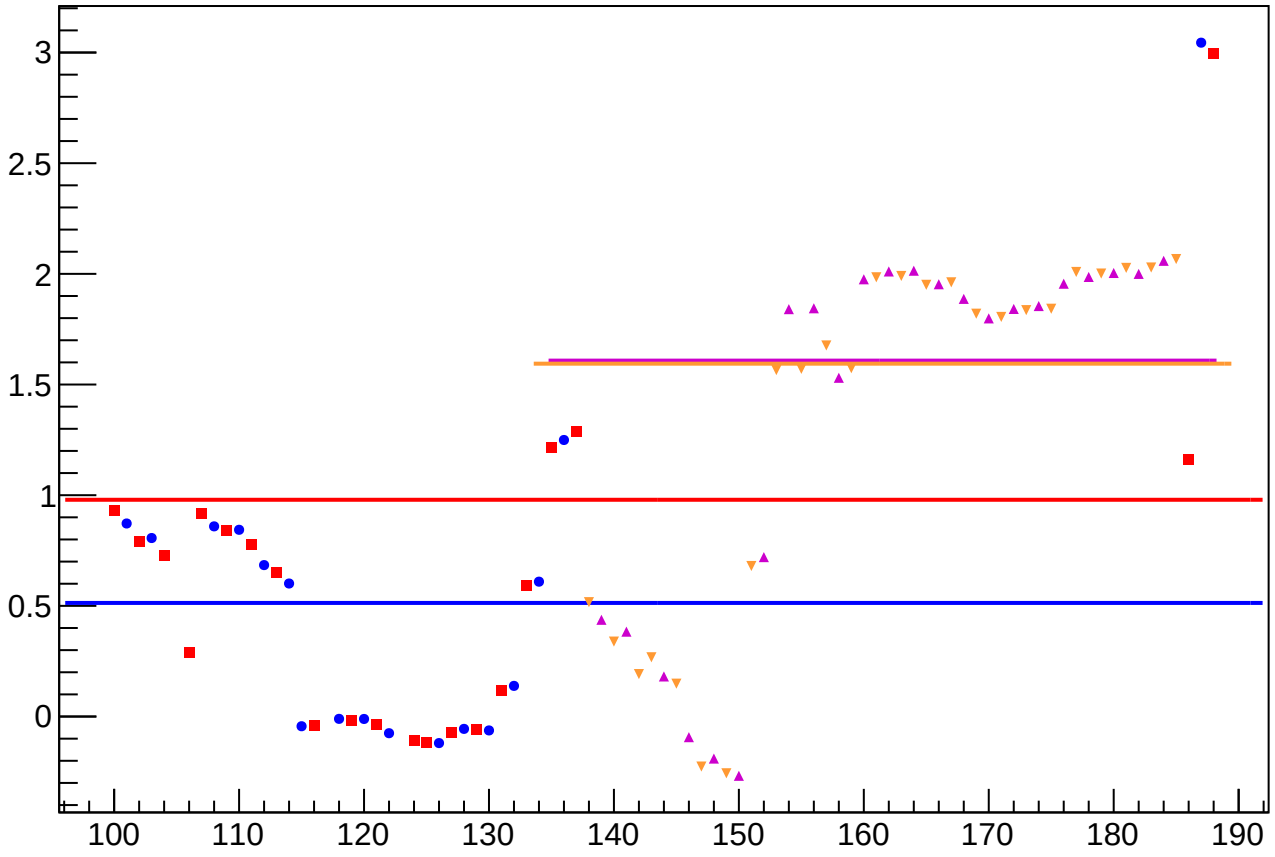
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 4086738.1/41

All: 0.004+/-0.000 χ^2/NDF: 10414453.7/85

- sign 0.004+/-0.000 χ^2/NDF: 6120969.8/43

yield_bpm1i06X_mean vs Slug



Right In: 0.513+/-0.000 χ^2/NDF: 17935105579.2/16

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 0.979+/-0.000 χ^2/NDF: 55653617184.5/20

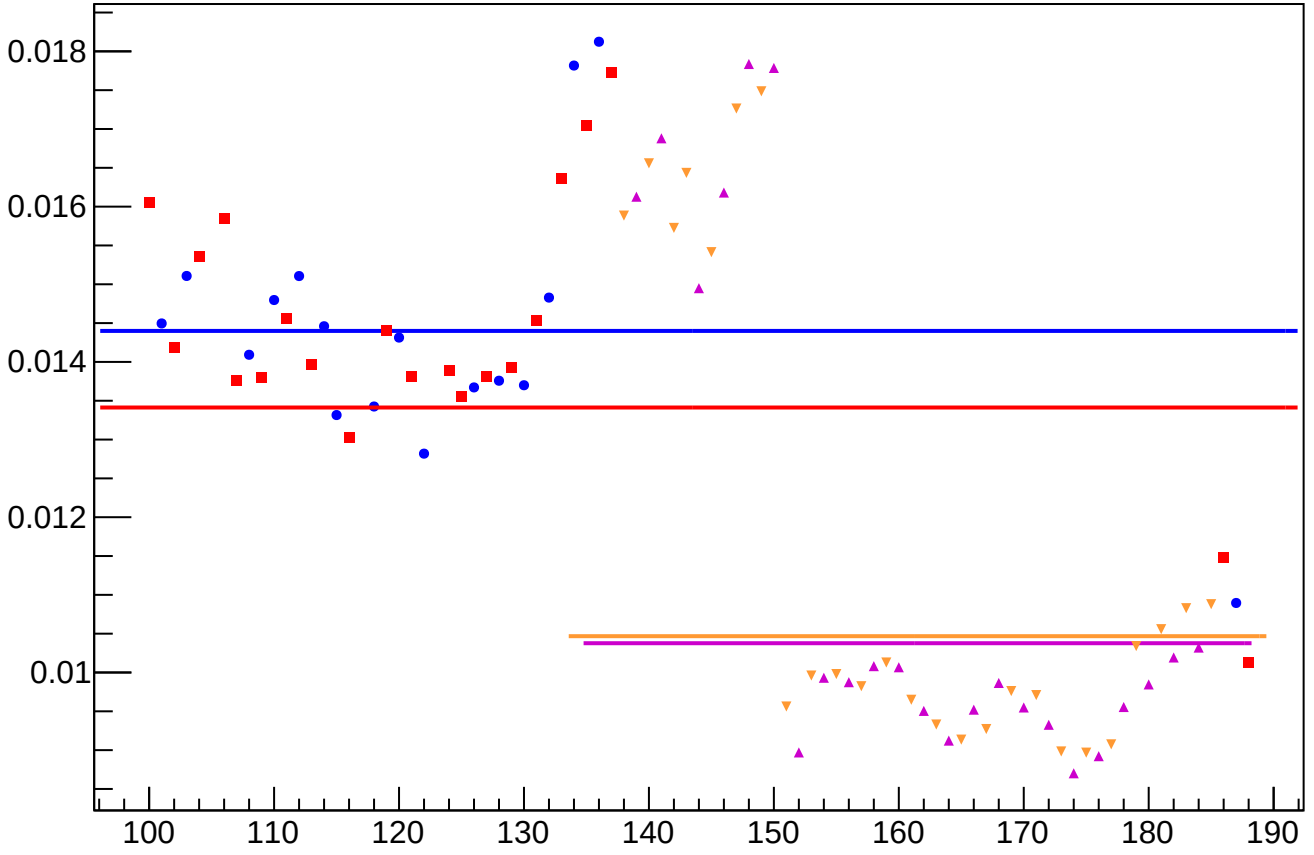
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.407+/-0.000 χ^2/NDF: 114391421098.6/41

All: 1.436+/-0.000 χ^2/NDF: 251222160267.6

- sign 1.465+/-0.000 χ^2/NDF: 136479779781.6/43

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 173458.0/16

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 378463.7/20

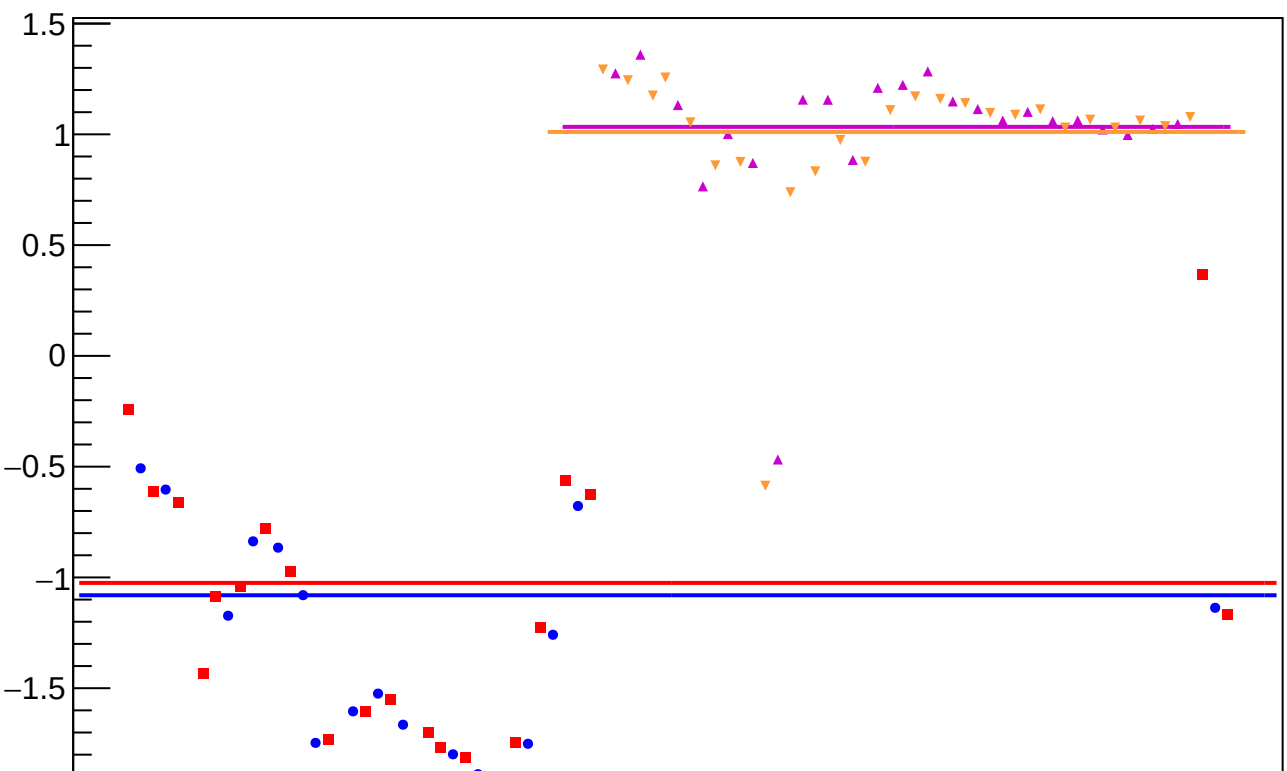
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2729639.8/41

All: 0.011+/-0.000 χ^2/NDF: 5492607.8/85

- sign 0.011+/-0.000 χ^2/NDF: 2761554.7/43

yield_bpm1i06Y_mean vs Slug



Right In: -1.081+/-0.000 χ^2/NDF: 59769344420.2/16

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -1.025+/-0.000 χ^2/NDF: 66650598322.8/20

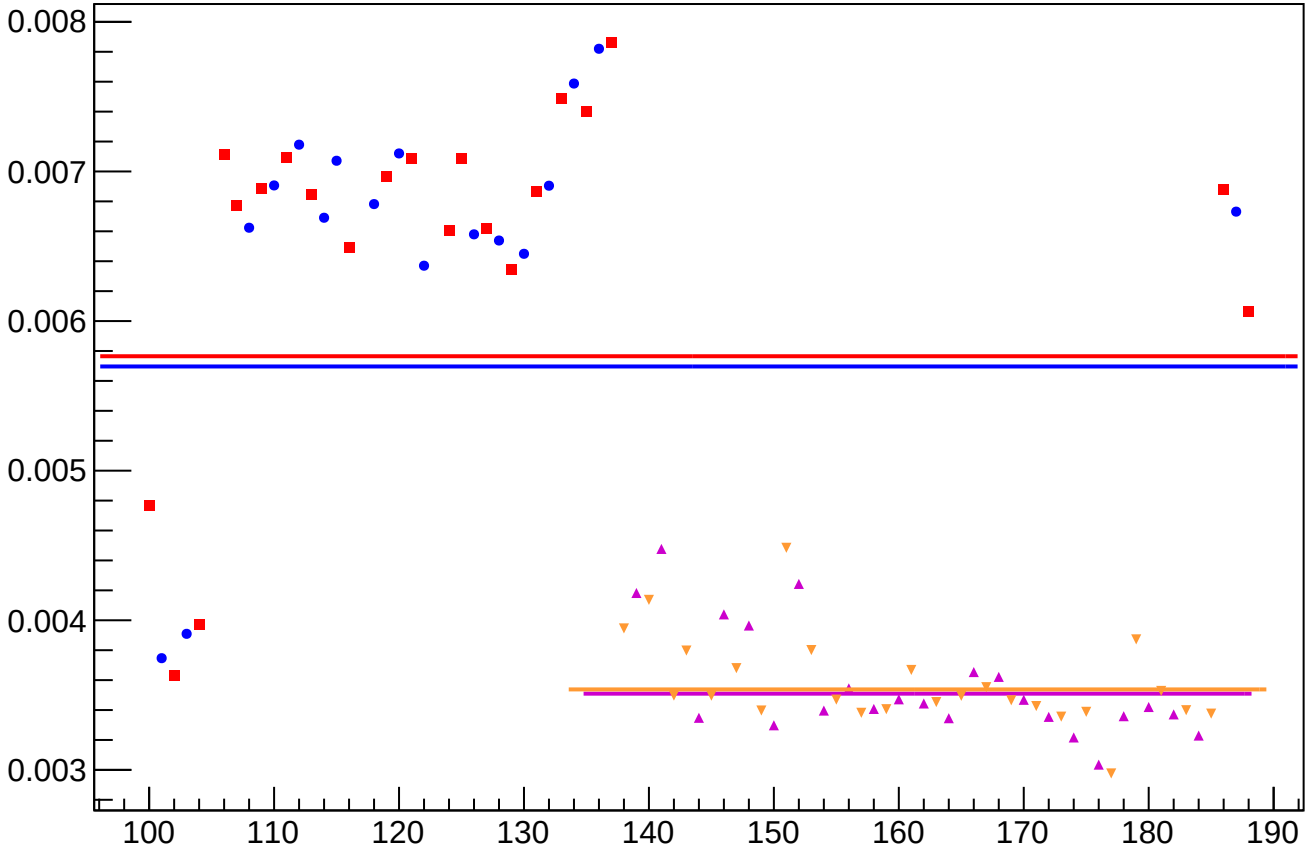
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.749+/-0.000 χ^2/NDF: 941951632621.6/41

All: 0.739+/-0.000 χ^2/NDF: 1978465014801.

- sign 0.729+/-0.000 χ^2/NDF: 1036204182703.7/43

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 953390.3/16

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

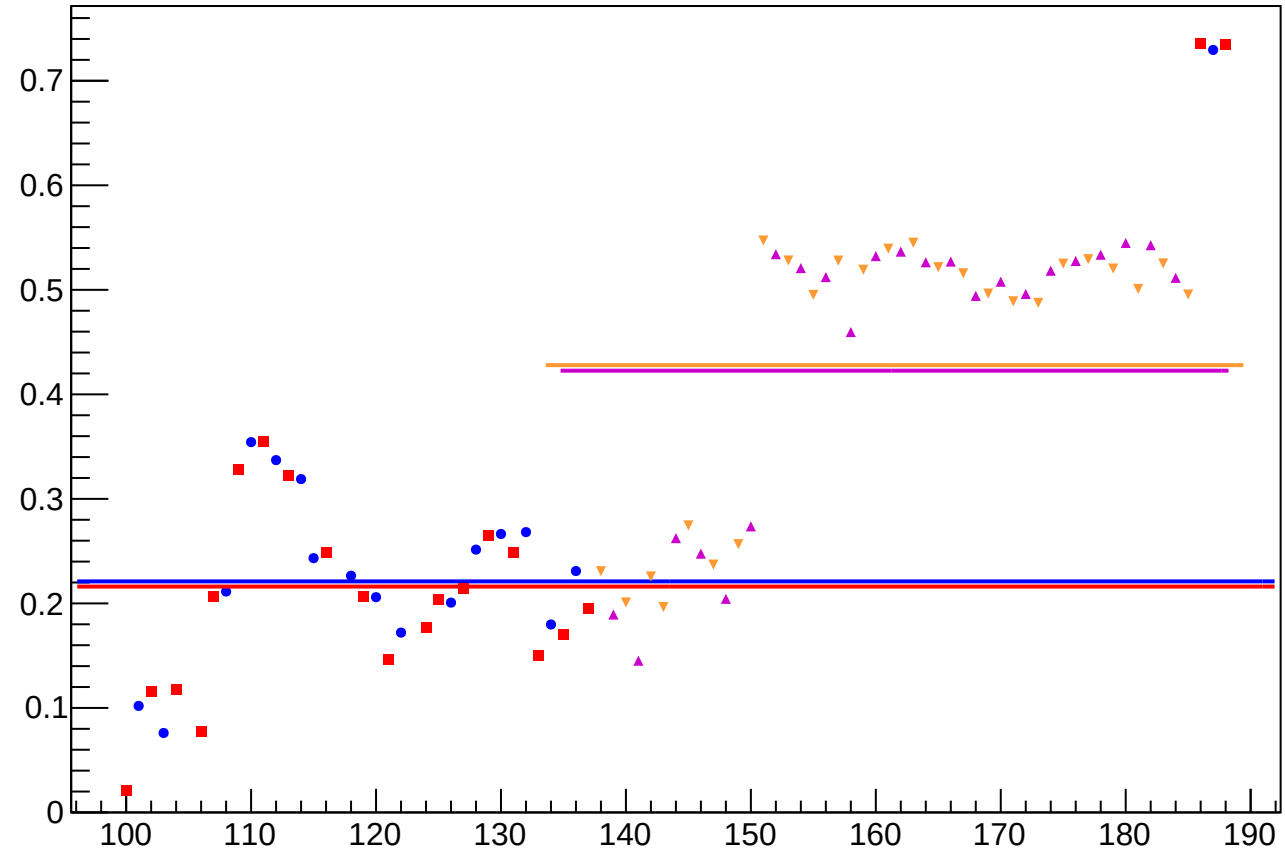
Right Out: 0.006+/-0.000 χ^2/NDF: 1008383.2/20

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 2811940.4/41

All: 0.004+/-0.000 χ^2/NDF: 6134359.4/85

- sign 0.004+/-0.000 χ^2/NDF: 3320482.0/43



Right In: 0.221+/-0.000 χ^2/NDF: 19478974953.9/16

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.216+/-0.000 χ^2/NDF: 45625223763.8/20

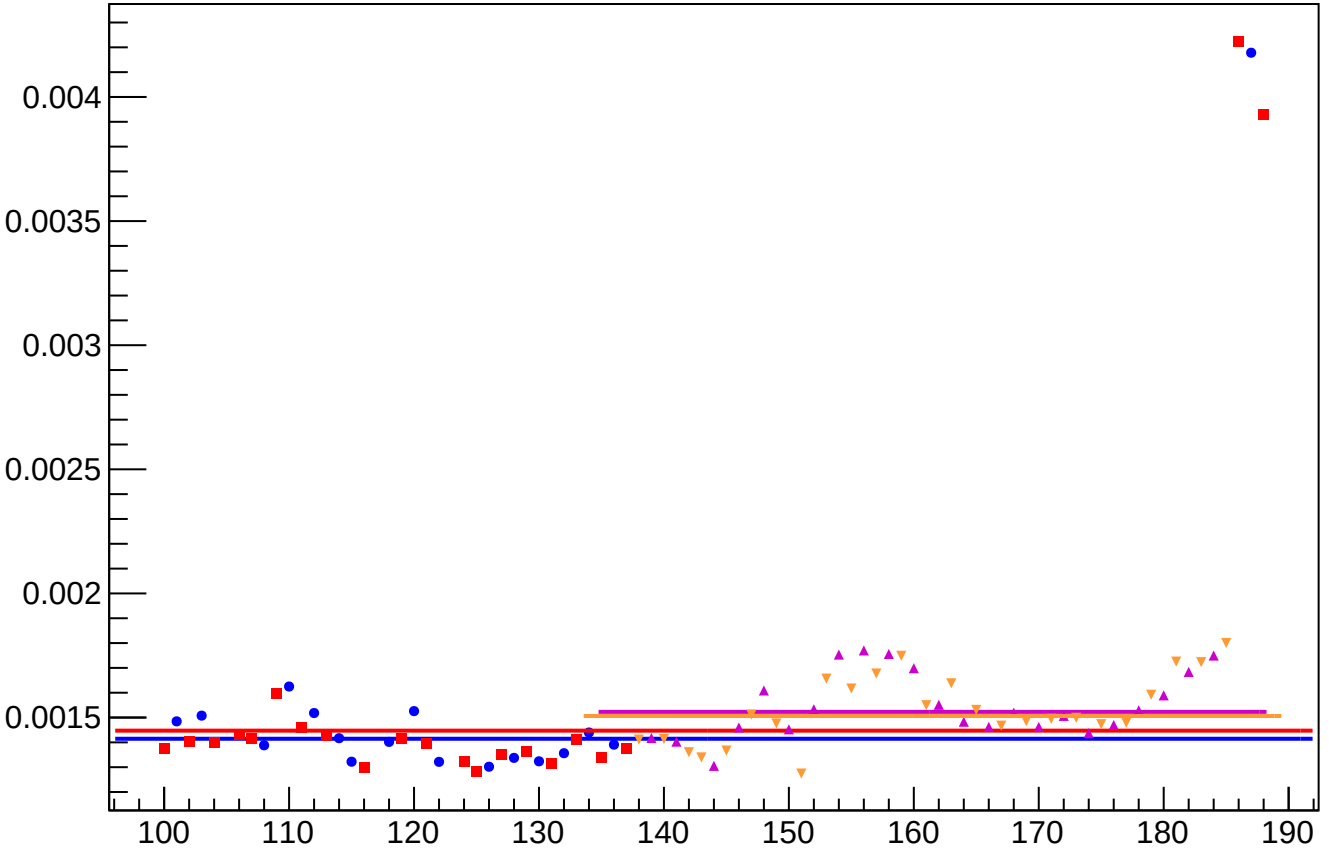
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.367+/-0.000 χ^2/NDF: 279437893401.5/41

All: 0.360+/-0.000 χ^2/NDF: 594436525052.3

- sign 0.354+/-0.000 χ^2/NDF: 313990808839.0/43

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 210664.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

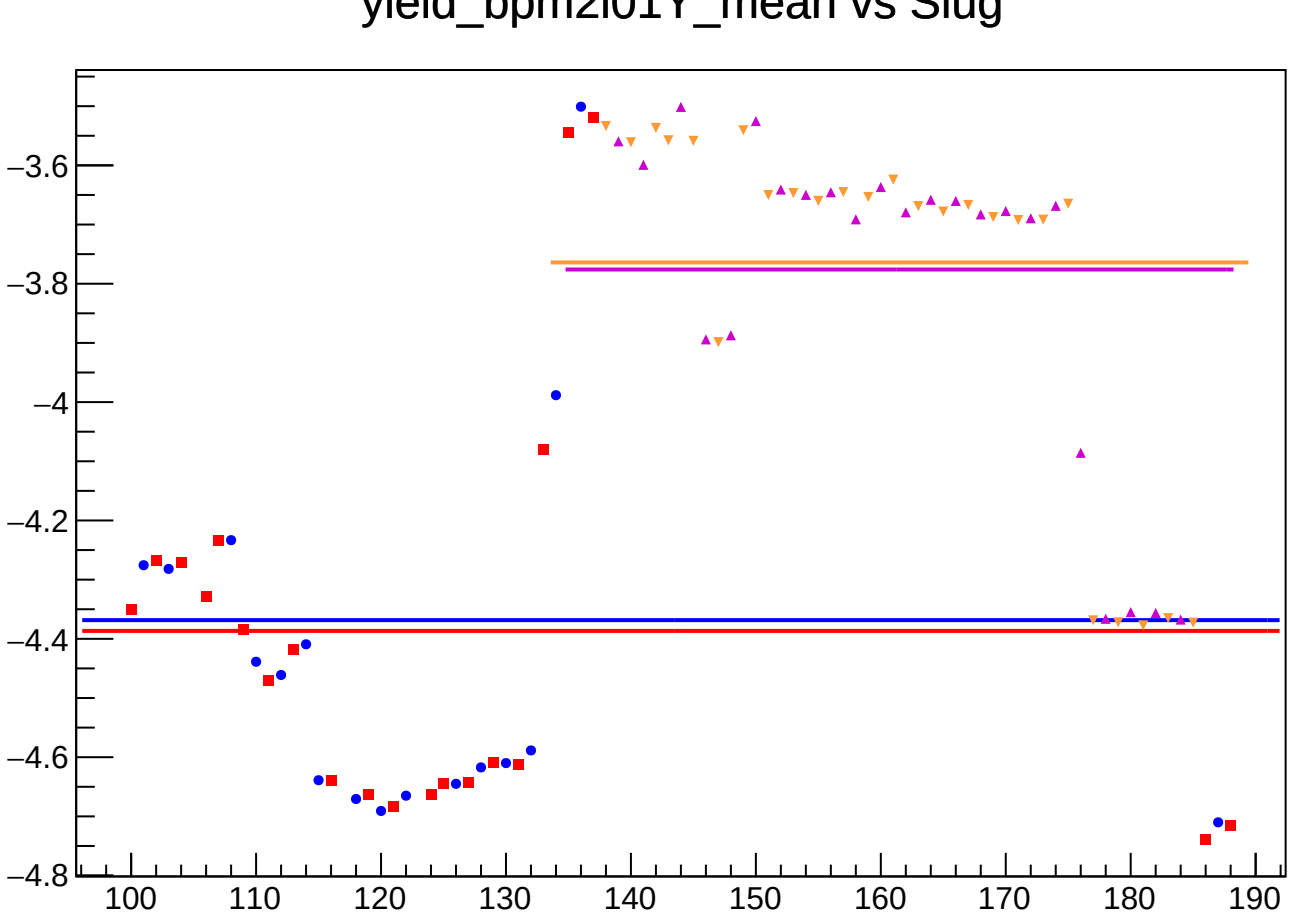
Right Out: 0.001+/-0.000 χ^2/NDF: 1173426.1/20

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 531228.5/41

All: 0.001+/-0.000 χ^2/NDF: 1972963.2/85

- sign 0.001+/-0.000 χ^2/NDF: 1437705.7/43



Right In: -4.368+/-0.000 χ^2/NDF: 354740114677.3/16

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.387+/-0.000 χ^2/NDF: 312245301242.8/20

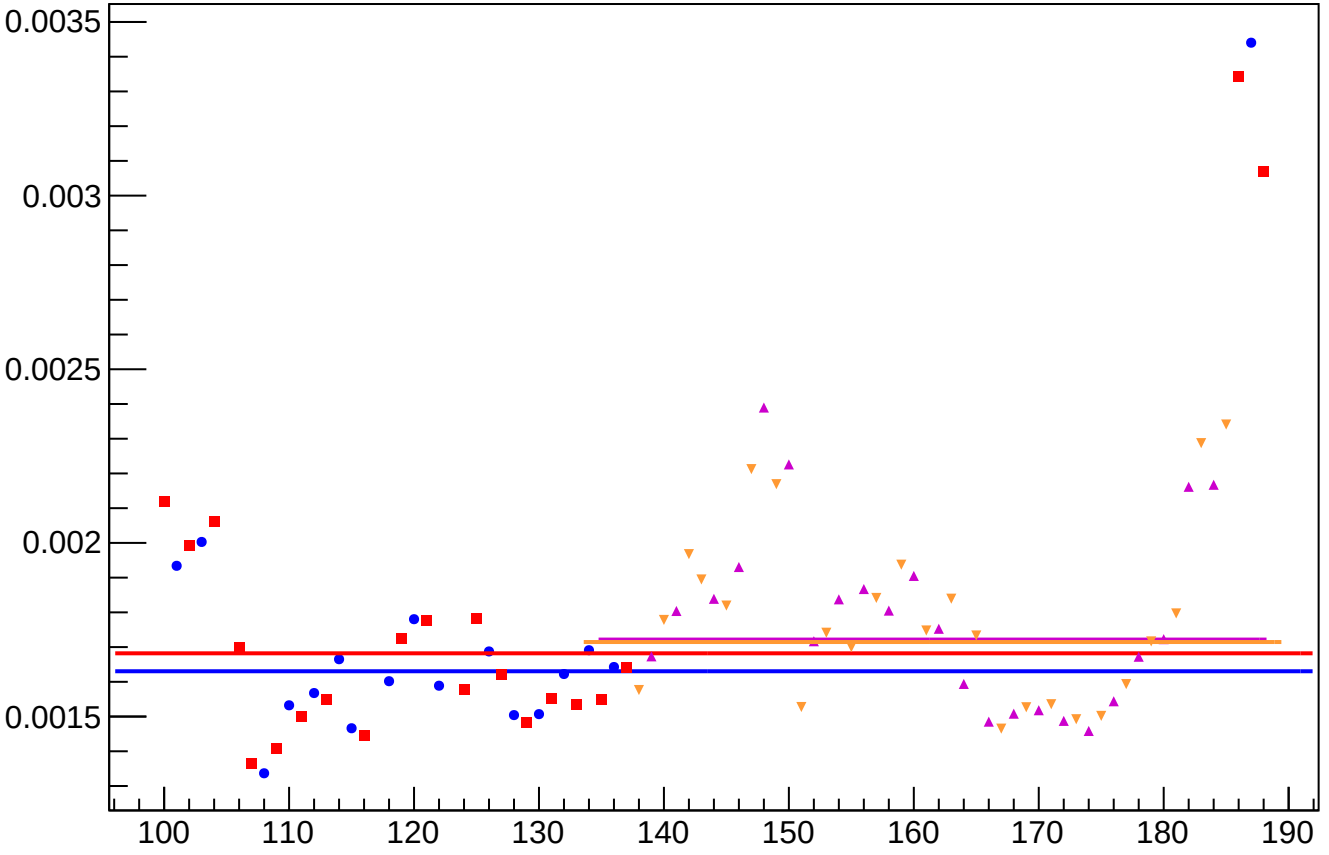
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.942+/-0.000 χ^2/NDF: 1516825377141.6/4

All: -3.959+/-0.000 χ^2/NDF: 296023442878

- sign -3.976+/-0.000 χ^2/NDF: 1438340951638.1/43

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 237168.0/16

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 799432.4/20

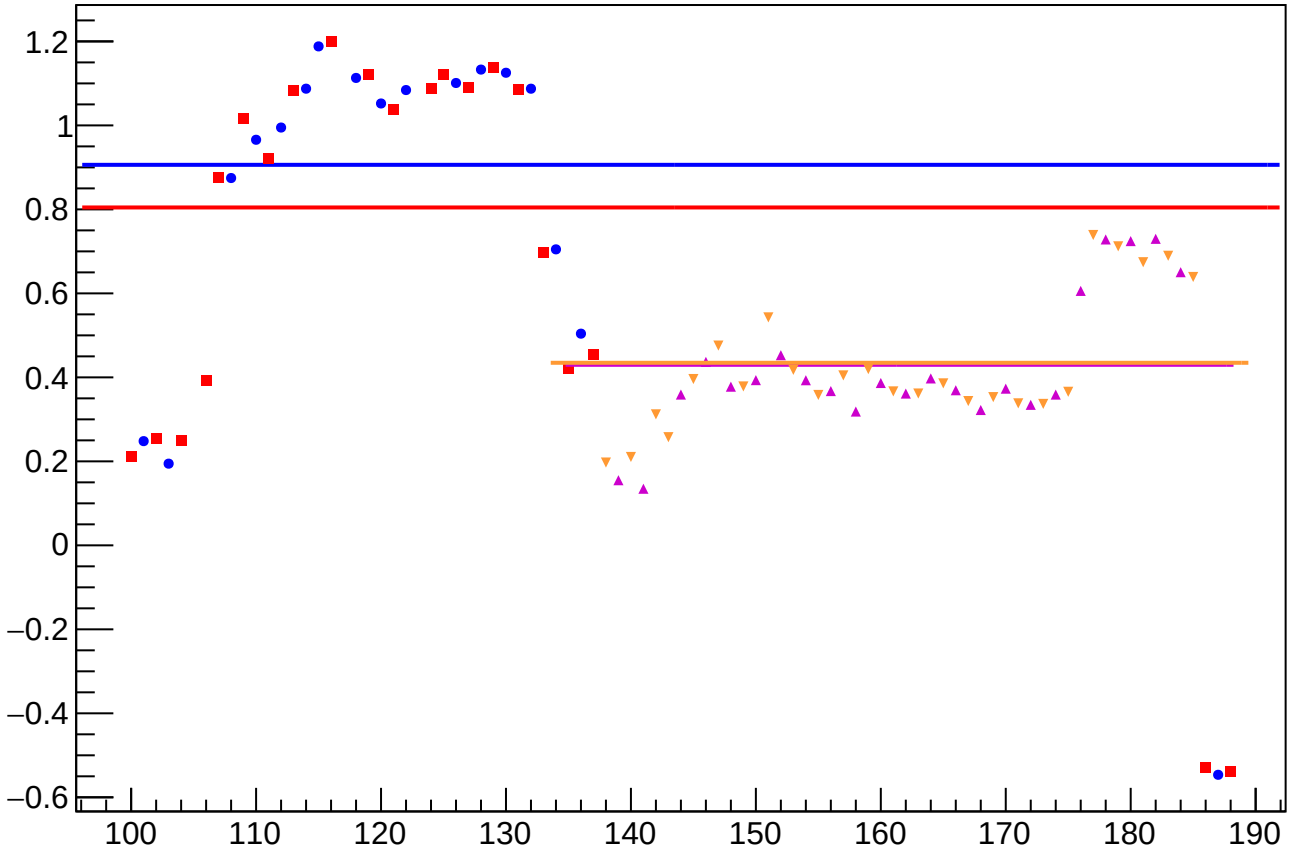
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 825827.2/41

All: 0.002+/-0.000 χ^2/NDF: 2216371.5/85

- sign 0.002+/-0.000 χ^2/NDF: 1387378.1/43

yield_bpm2i02X_mean vs Slug



Right In: 0.906+/-0.000 χ^2/NDF: 18153601764.4/16

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.805+/-0.000 χ^2/NDF: 42331874604.4/20

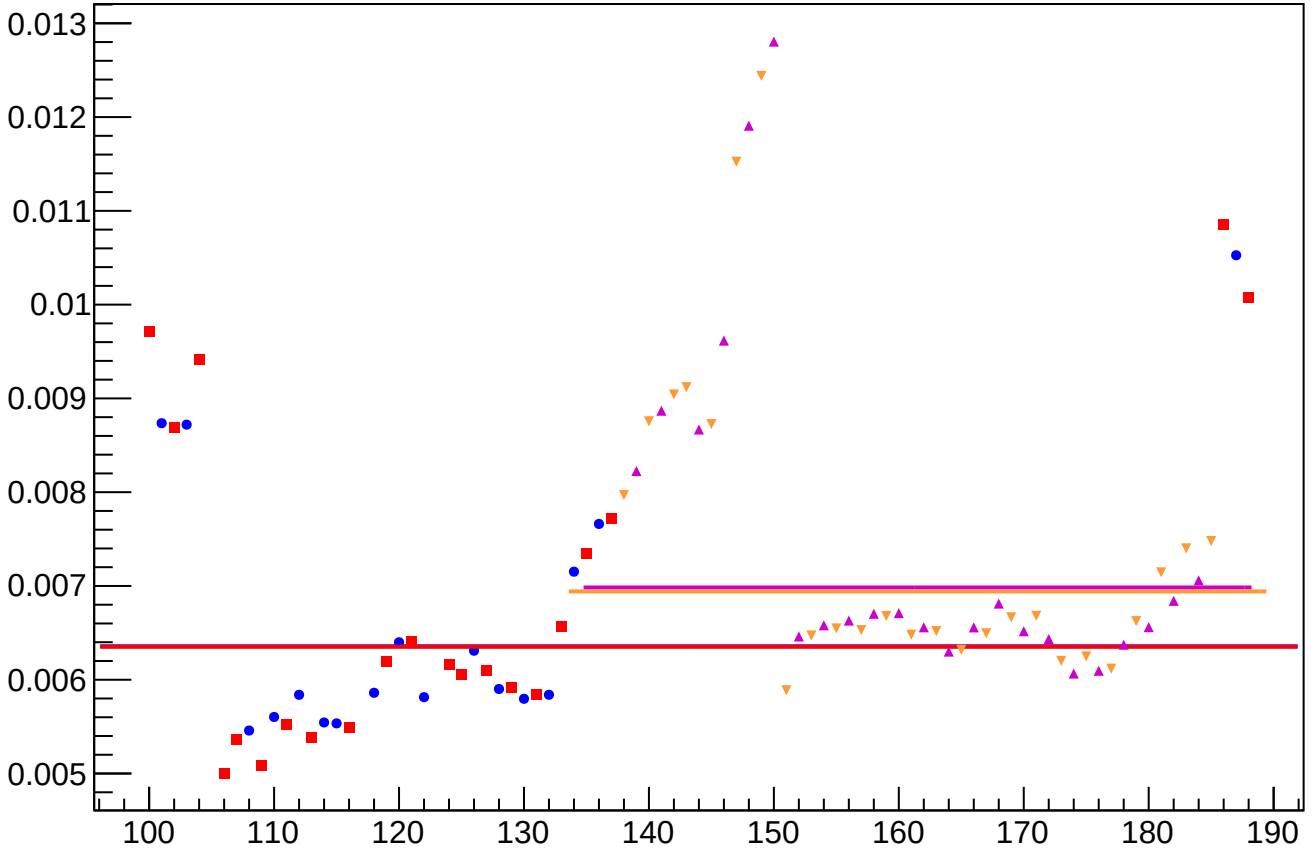
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.583+/-0.000 χ^2/NDF: 53720106884.0/41

All: 0.575+/-0.000 χ^2/NDF: 123731049682.1

- sign 0.567+/-0.000 χ^2/NDF: 69938111351.6/43

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 394858.2/16

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

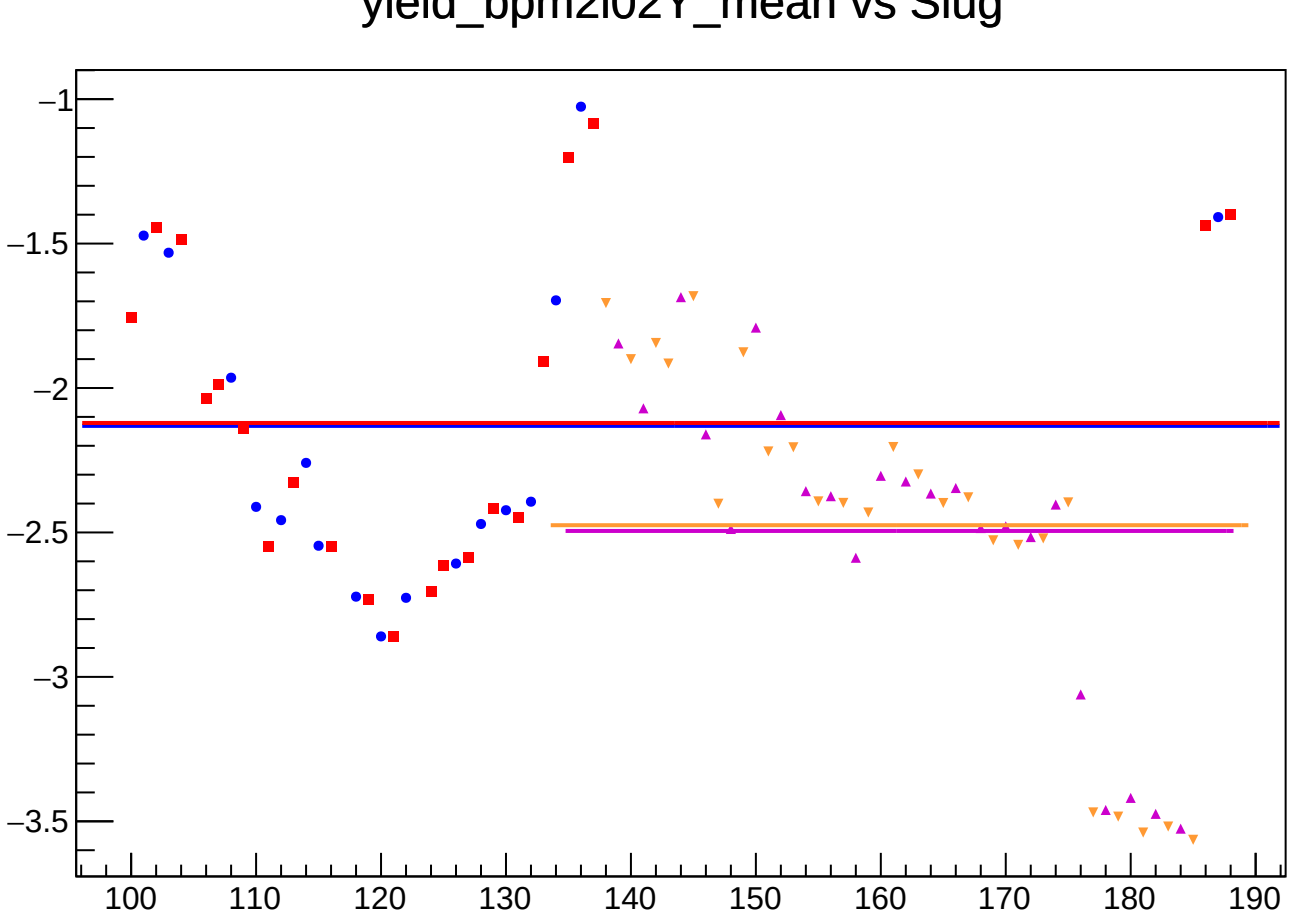
Right Out: 0.006+/-0.000 χ^2/NDF: 863738.3/20

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 1569319.5/41

All: 0.007+/-0.000 χ^2/NDF: 3674996.4/85

- sign 0.007+/-0.000 χ^2/NDF: 2105665.2/43



Right In: -2.131+/-0.000 χ^2/NDF: 66705545674.8/16

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -2.121+/-0.000 χ^2/NDF: 65533529933.0/20

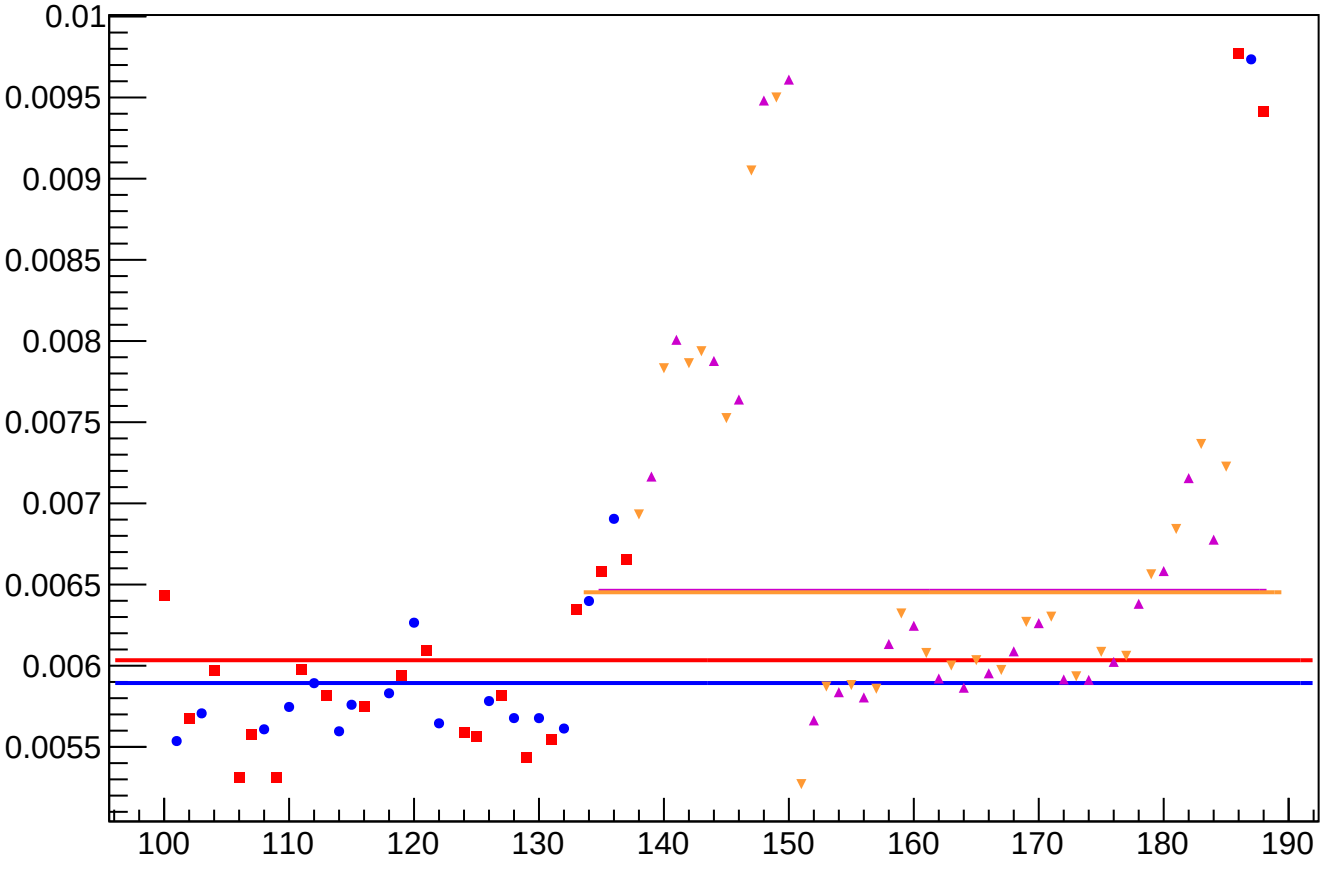
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.366+/-0.000 χ^2/NDF: 206733922891.2/41

All: -2.364+/-0.000 χ^2/NDF: 390376065563.8

- sign -2.362+/-0.000 χ^2/NDF: 183637169093.9/43

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 120646.3/16

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

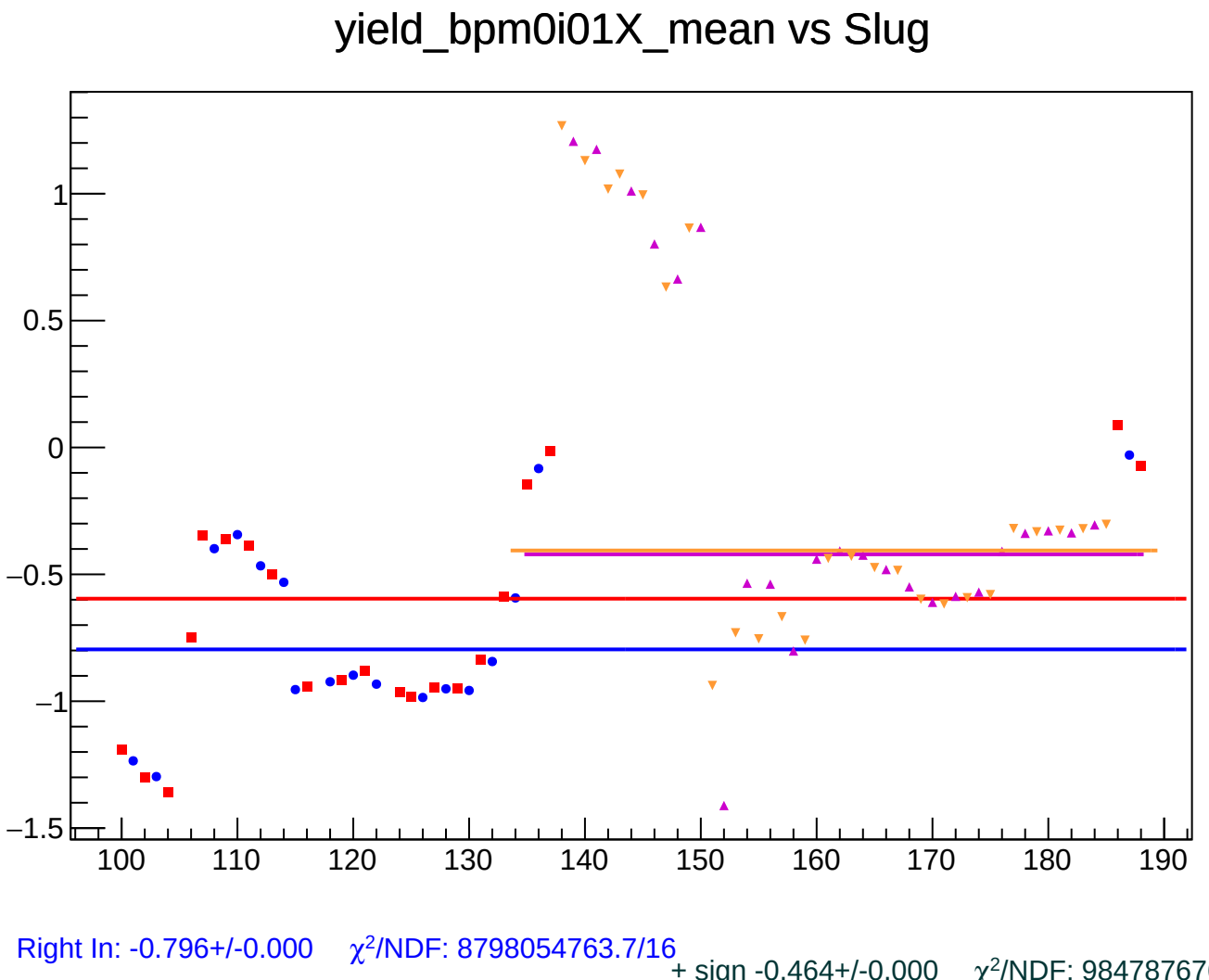
Right Out: 0.006+/-0.000 χ^2/NDF: 447166.2/20

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 924138.1/41

All: 0.006+/-0.000 χ^2/NDF: 2148566.7/85

- sign 0.006+/-0.000 χ^2/NDF: 1223636.6/43



Right In: -0.796+/-0.000 χ^2/NDF: 8798054763.7/16

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.596+/-0.000 χ^2/NDF: 18606613194.5/20

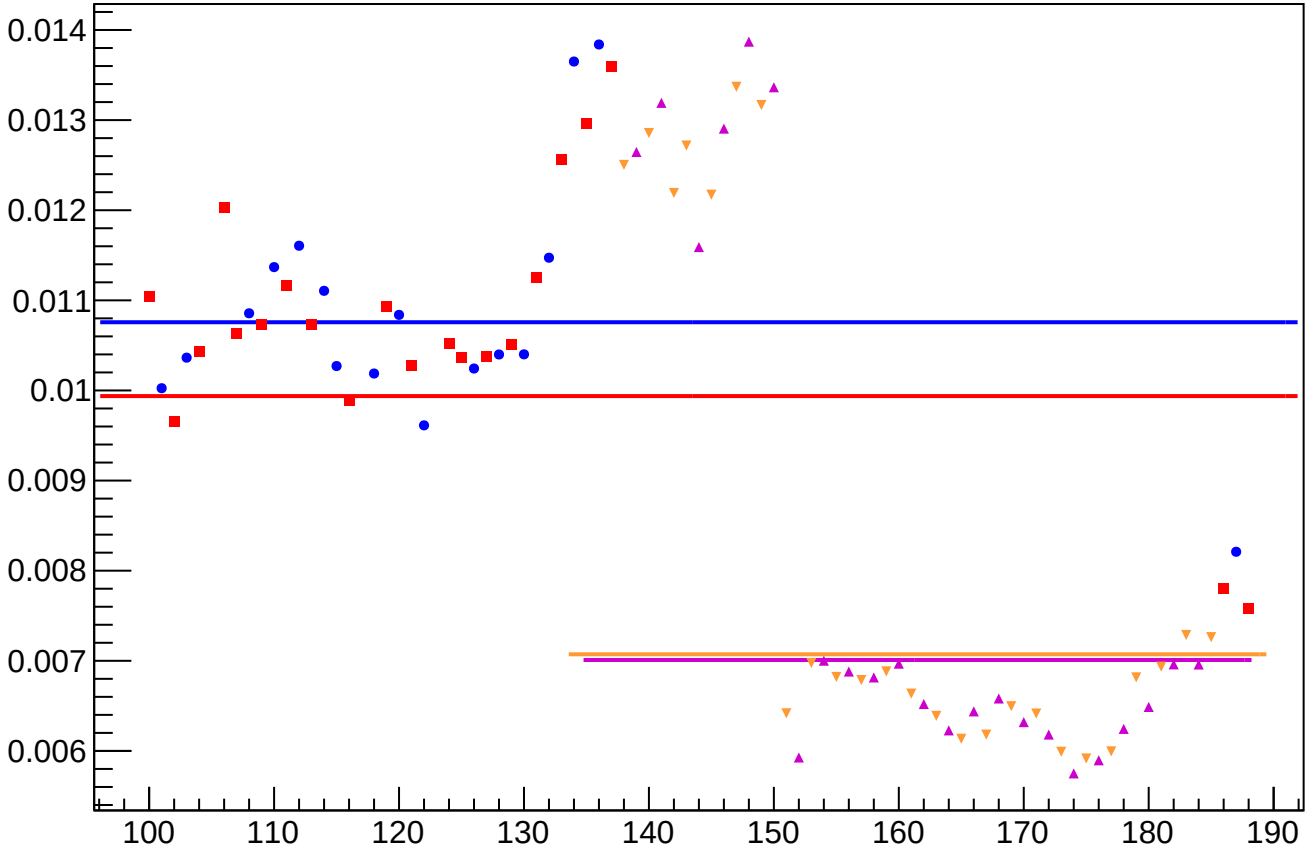
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.464+/-0.000 χ^2/NDF: 98478767682.5/41

All: -0.460+/-0.000 χ^2/NDF: 209423158296.4

- sign -0.456+/-0.000 χ^2/NDF: 110930986630.9/43

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 194906.7/16

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

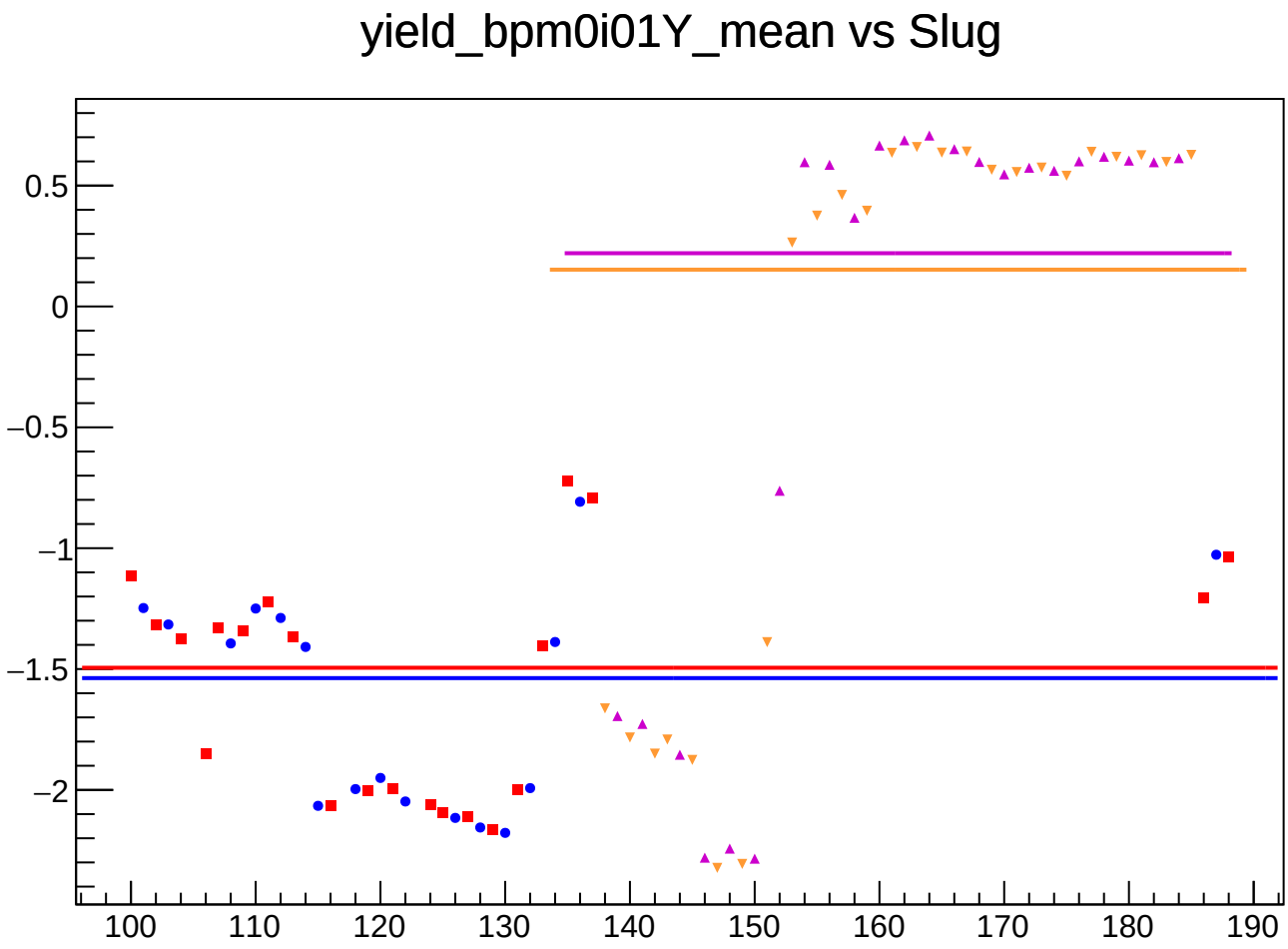
Right Out: 0.010+/-0.000 χ^2/NDF: 435294.0/20

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4017473.6/41

All: 0.008+/-0.000 χ^2/NDF: 8079271.6/85

- sign 0.008+/-0.000 χ^2/NDF: 4061484.4/43



Right In: -1.537+/-0.000 χ^2/NDF: 164140713742.1/16

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.495+/-0.000 χ^2/NDF: 156018754620.0/20

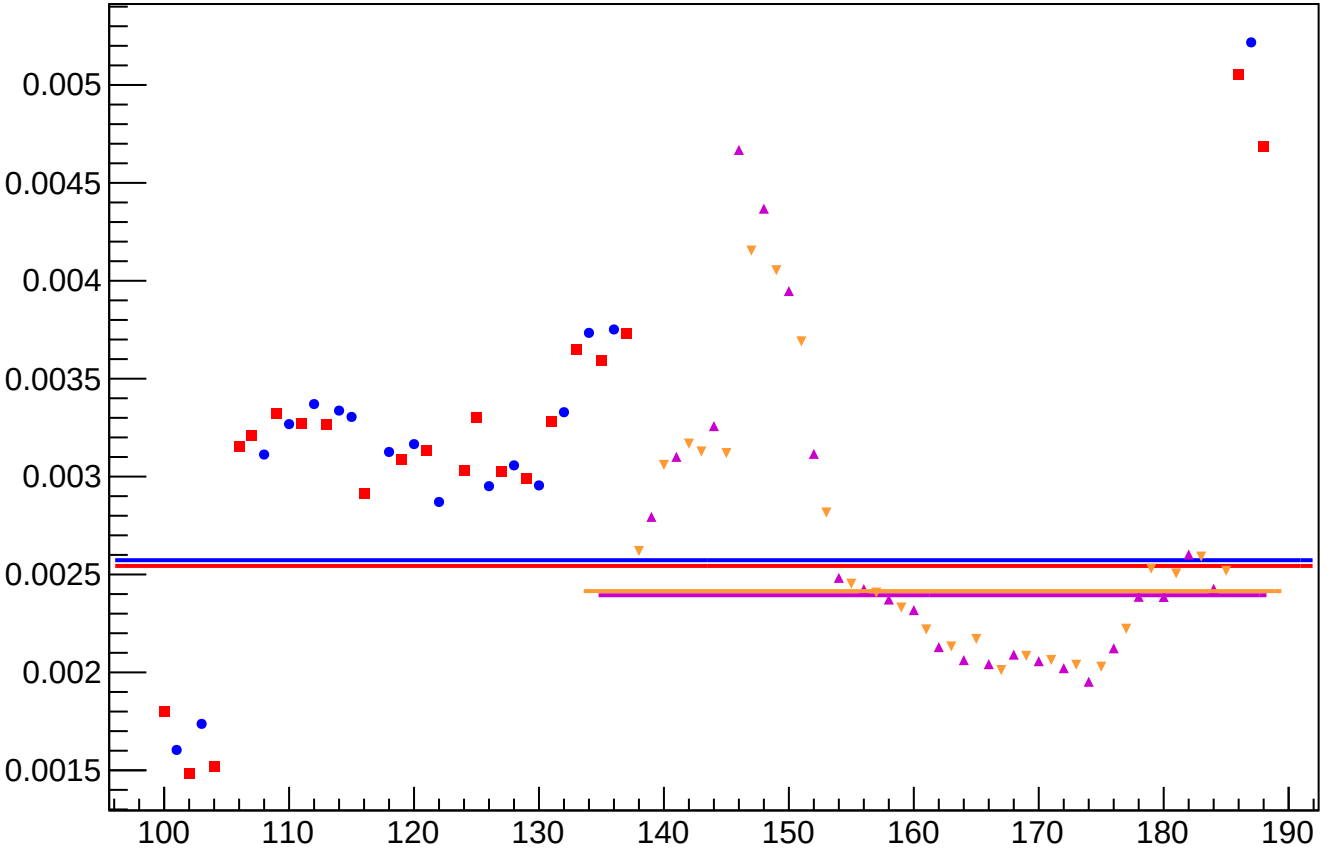
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.257+/-0.000 χ^2/NDF: 4586317393931.4/4

All: -0.257+/-0.000 χ^2/NDF: 9147549610815

- sign -0.257+/-0.000 χ^2/NDF: 4561231968701.8/43

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1265432.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

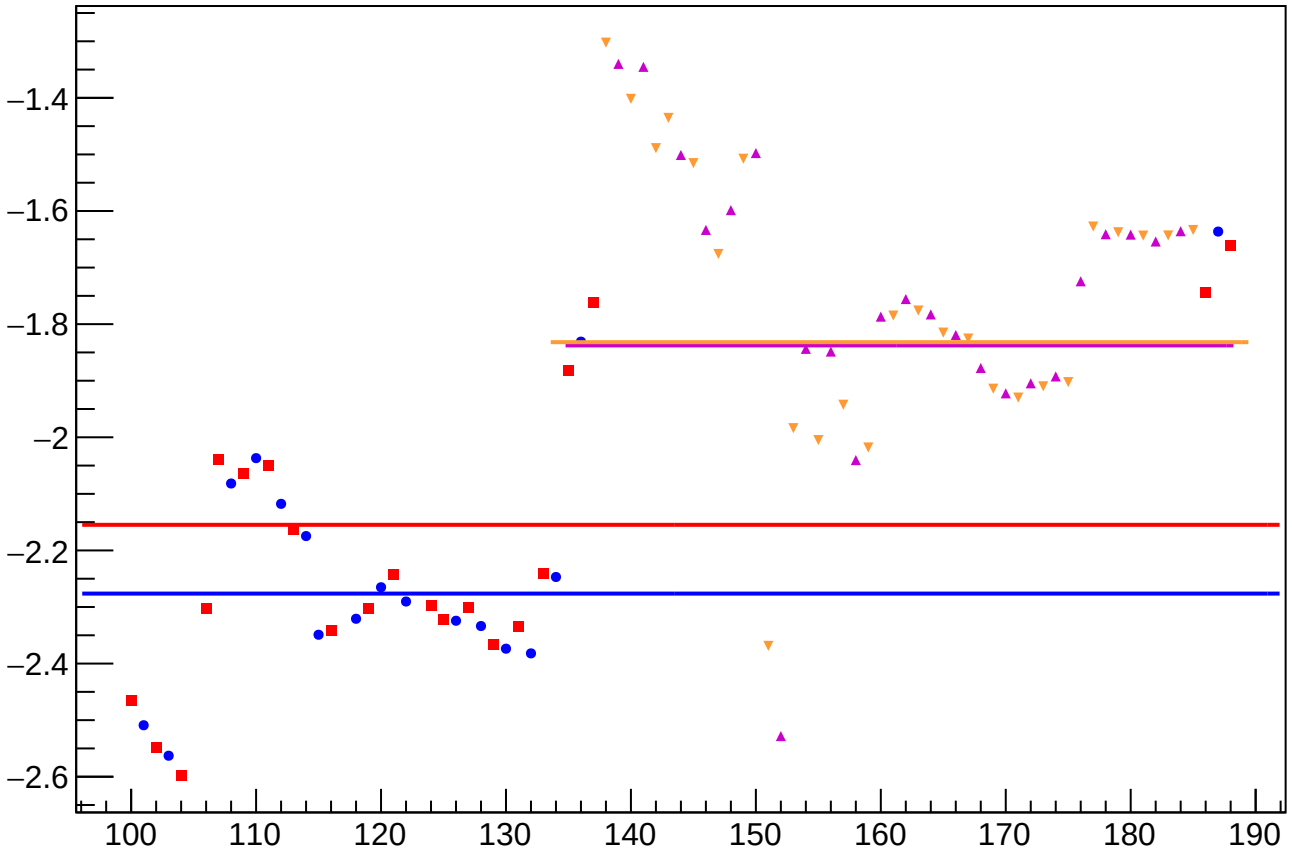
Right Out: 0.003+/-0.000 χ^2/NDF: 2176514.1/20

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 2521146.6/41

All: 0.002+/-0.000 χ^2/NDF: 6143215.6/85

- sign 0.002+/-0.000 χ^2/NDF: 3620865.1/43



Right In: -2.276+/-0.000 χ^2/NDF: 8523523512.5/16

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -2.155+/-0.000 χ^2/NDF: 20768556571.1/20

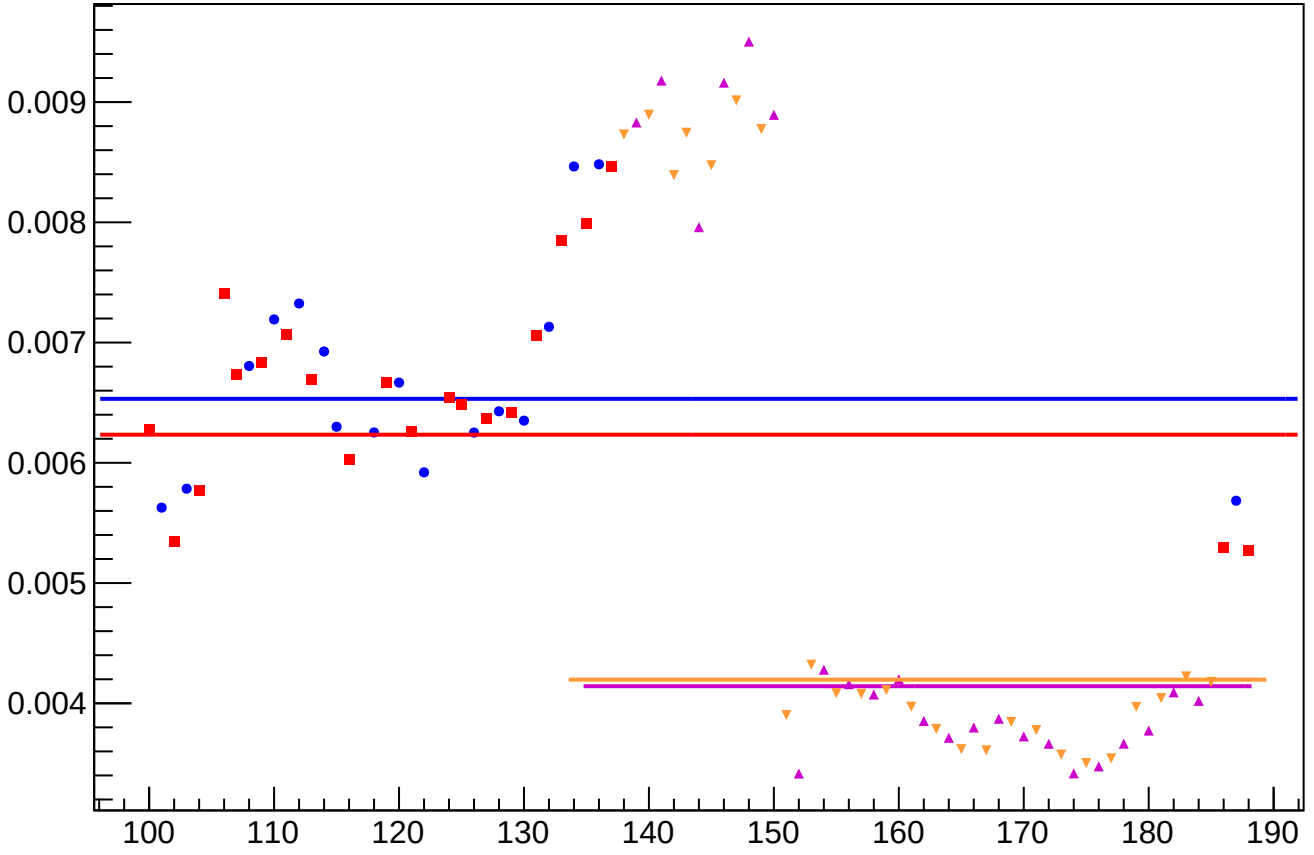
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.897+/-0.000 χ^2/NDF: 74964264856.2/41

All: -1.897+/-0.000 χ^2/NDF: 166843133787.0

- sign -1.897+/-0.000 χ^2/NDF: 91878841545.4/43

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 230286.5/16

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

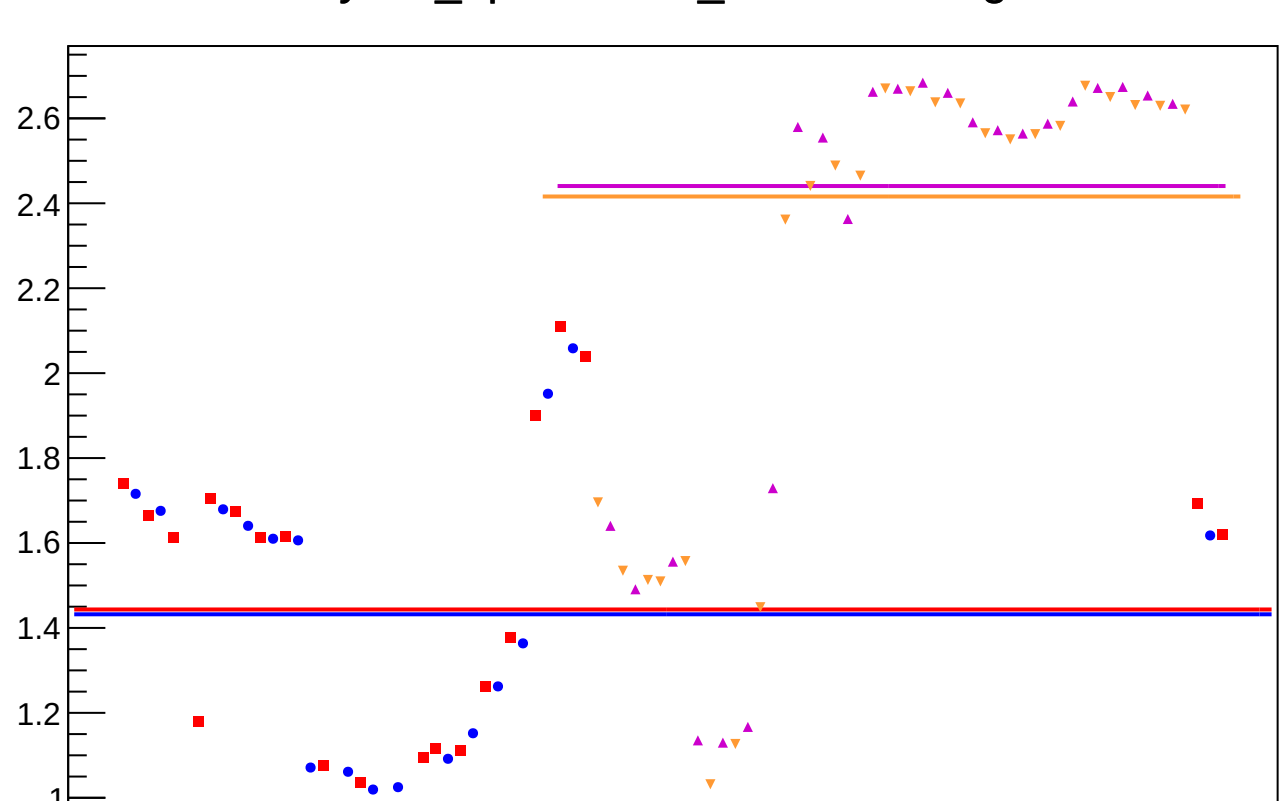
Right Out: 0.006+/-0.000 χ^2/NDF: 300012.4/20

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 4872264.1/41

All: 0.005+/-0.000 χ^2/NDF: 9904201.0/85

- sign 0.005+/-0.000 χ^2/NDF: 5031917.3/43



Right In: 1.432+/-0.000 χ^2/NDF: 189405122599.1/16

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.443+/-0.000 χ^2/NDF: 184224832973.1/20

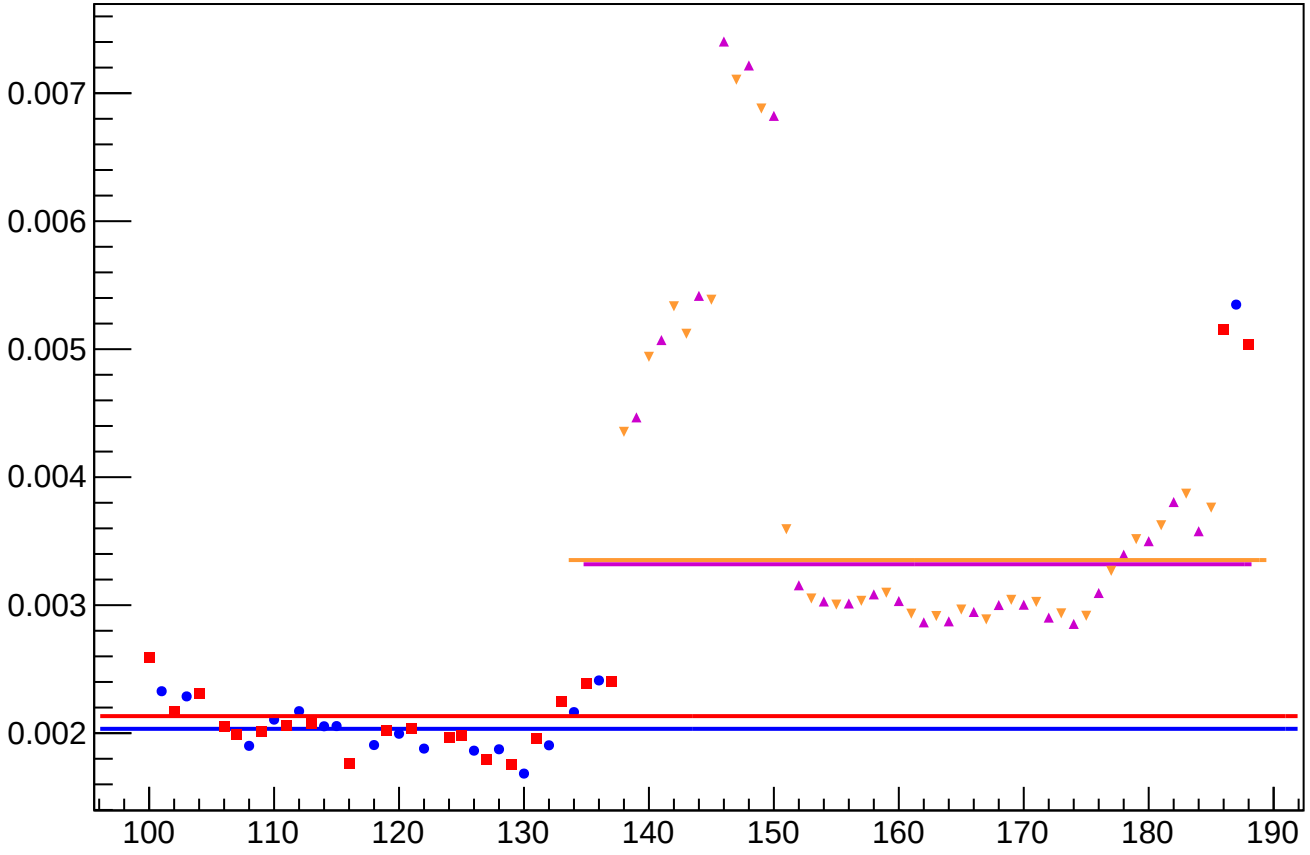
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.912+/-0.000 χ^2/NDF: 1202637496880.6/41

All: 1.911+/-0.000 χ^2/NDF: 2402528488901.

- sign 1.910+/-0.000 χ^2/NDF: 1199887198786.5/43

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 297918.5/16

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

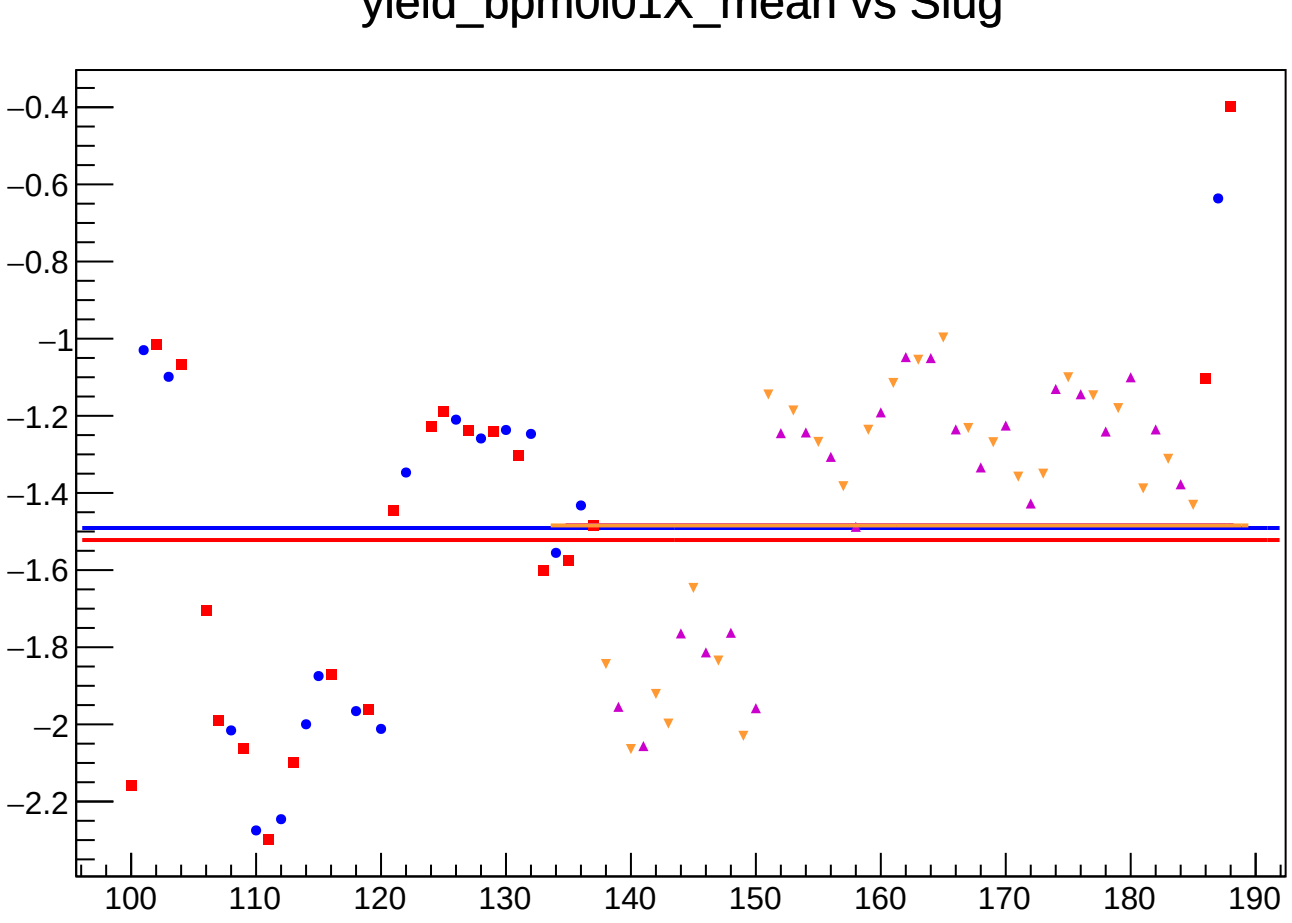
Right Out: 0.002+/-0.000 χ^2/NDF: 1060518.9/20

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 4884455.4/41

All: 0.003+/-0.000 χ^2/NDF: 10220698.4/85

- sign 0.003+/-0.000 χ^2/NDF: 5335796.1/43



Right In: -1.491+/-0.000 χ^2/NDF: 23948667354.6/16

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.522+/-0.000 χ^2/NDF: 43190937602.8/20

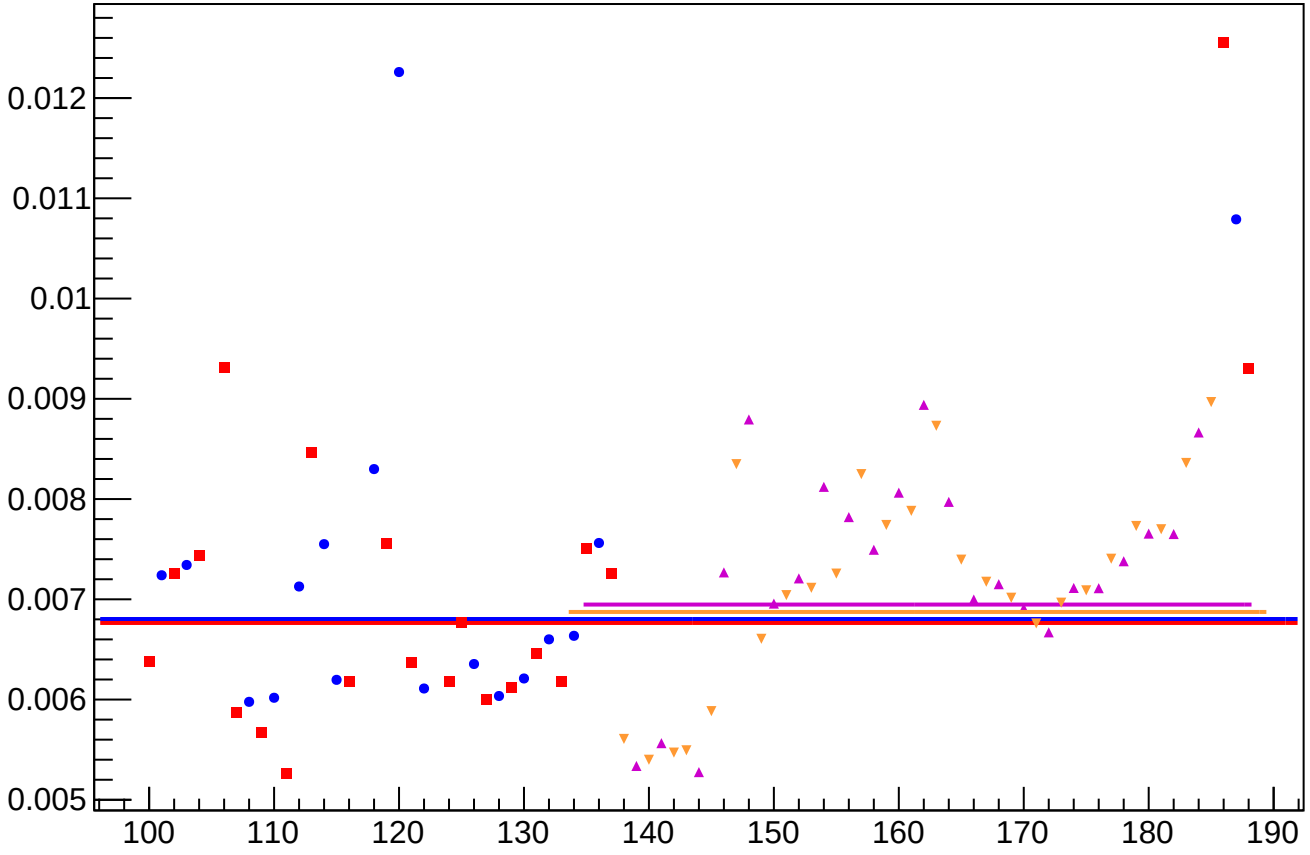
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.486+/-0.000 χ^2/NDF: 72392019779.0/41

All: -1.491+/-0.000 χ^2/NDF: 156138800556.8

- sign -1.496+/-0.000 χ^2/NDF: 83719521808.8/43

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 282907.5/16

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

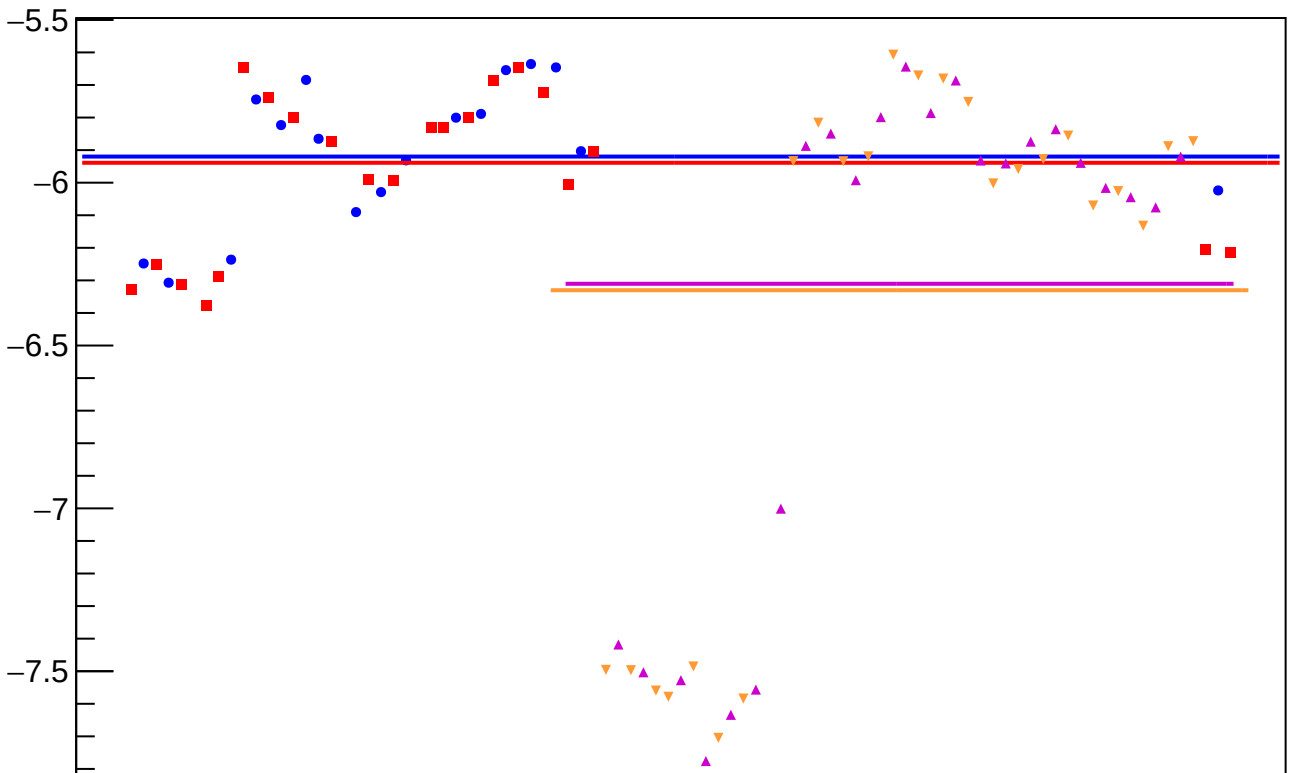
Right Out: 0.007+/-0.000 χ^2/NDF: 548764.2/20

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1029474.4/41

All: 0.007+/-0.000 χ^2/NDF: 2333391.1/85

- sign 0.007+/-0.000 χ^2/NDF: 1303379.1/43



Right In: -5.920+/-0.000 χ^2/NDF: 11751126592.4/16

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.939+/-0.000 χ^2/NDF: 13285872053.9/20

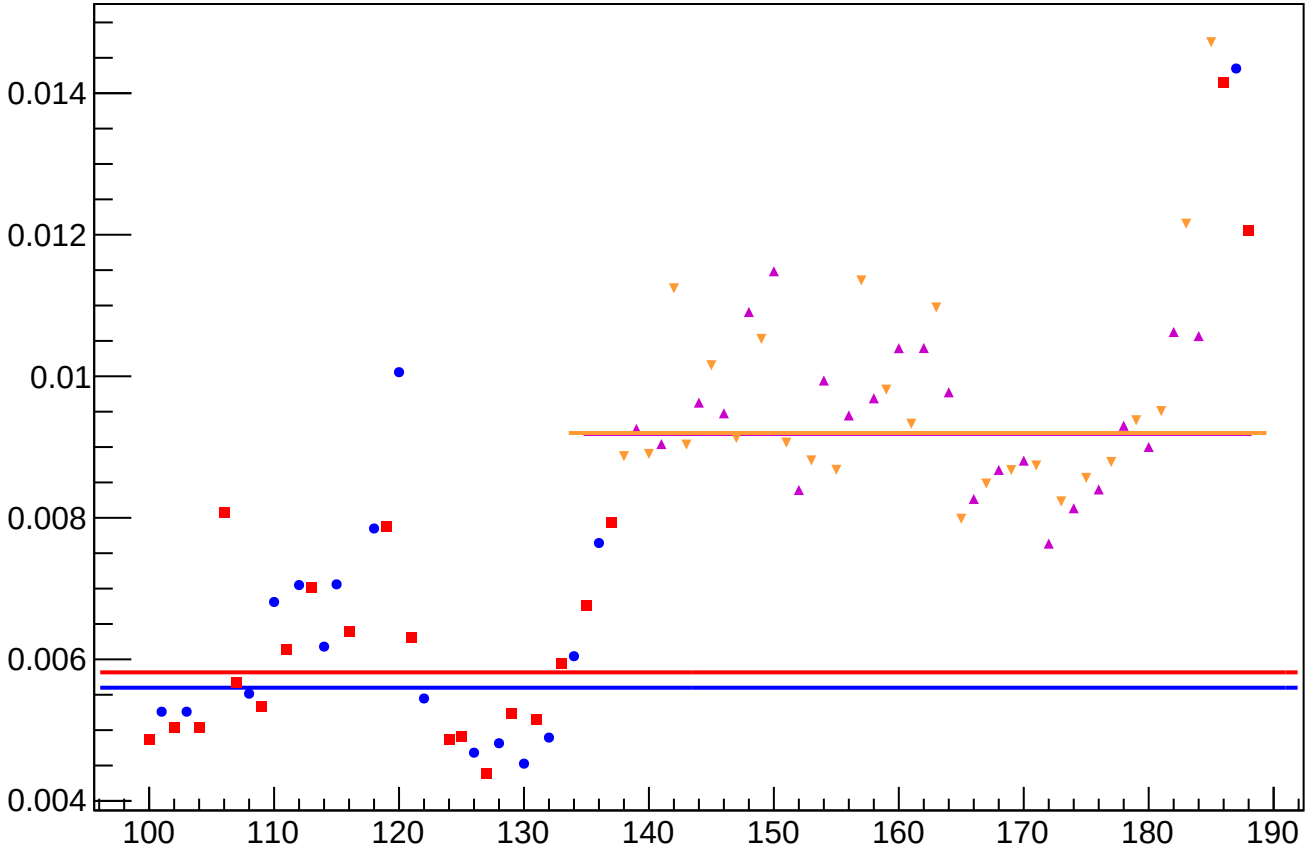
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.121+/-0.000 χ^2/NDF: 138483305164.4/41

All: -6.114+/-0.000 χ^2/NDF: 257238204887.6

- sign -6.108+/-0.000 χ^2/NDF: 118722281278.1/43

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 618336.4/16

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

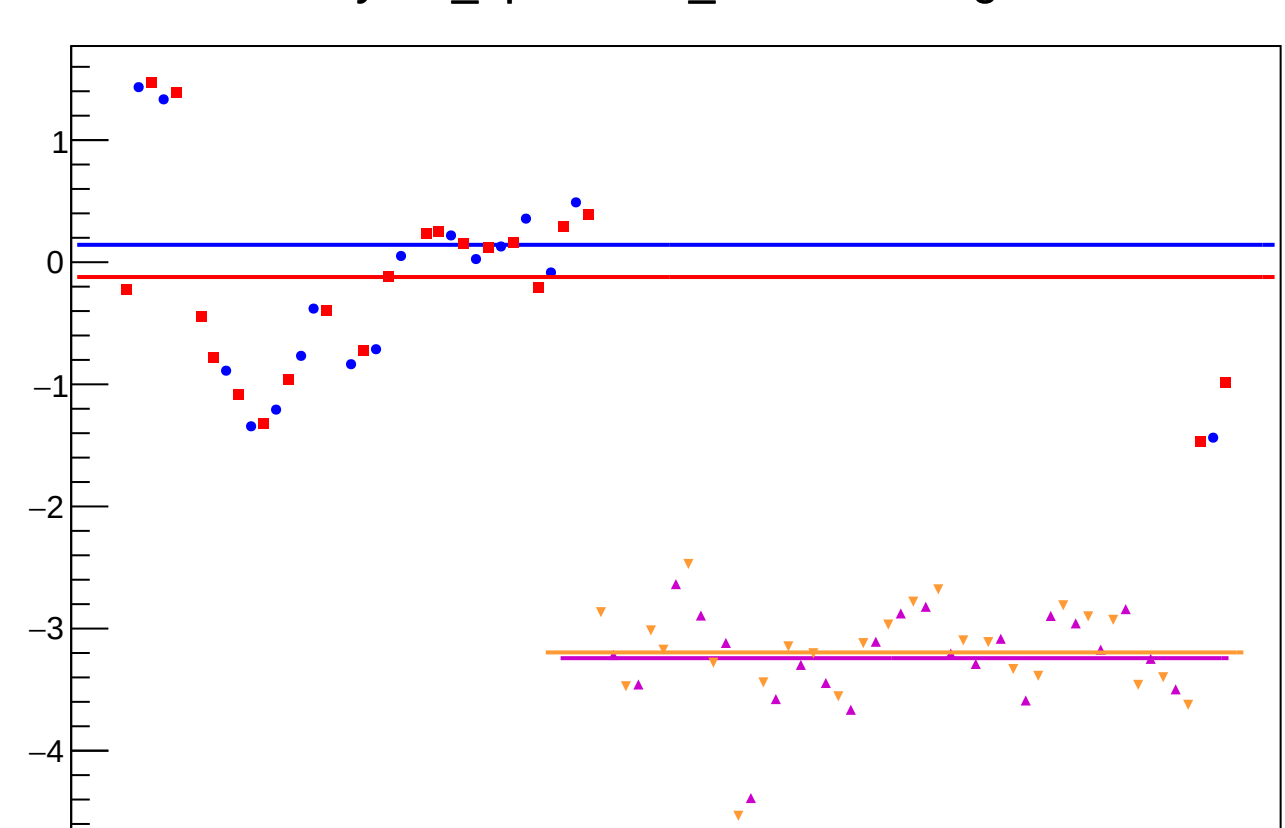
Right Out: 0.006+/-0.000 χ^2/NDF: 1152532.6/20

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.007+/-0.000 χ^2/NDF: 3508076.9/41

All: 0.007+/-0.000 χ^2/NDF: 7238307.3/85

- sign 0.007+/-0.000 χ^2/NDF: 3730165.1/43



Right In: 0.142+/-0.000 χ^2/NDF: 18967831889.8/16

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.121+/-0.000 χ^2/NDF: 26938335269.6/20

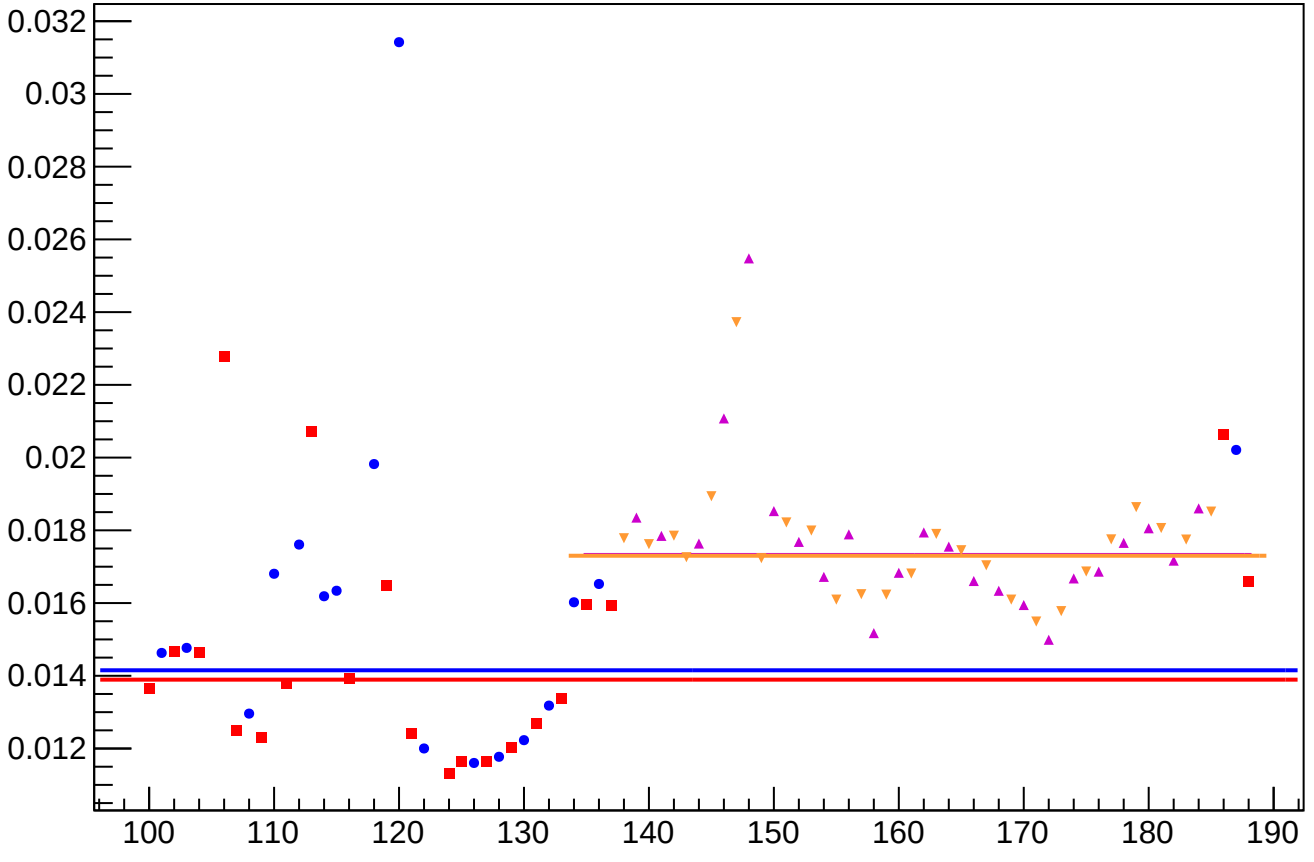
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -2.054+/-0.000 χ^2/NDF: 264918185103.0/41

All: -2.000+/-0.000 χ^2/NDF: 536287620658.2

- sign -1.948+/-0.000 χ^2/NDF: 270823305619.2/43

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 495686.0/16

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 451653.8/20

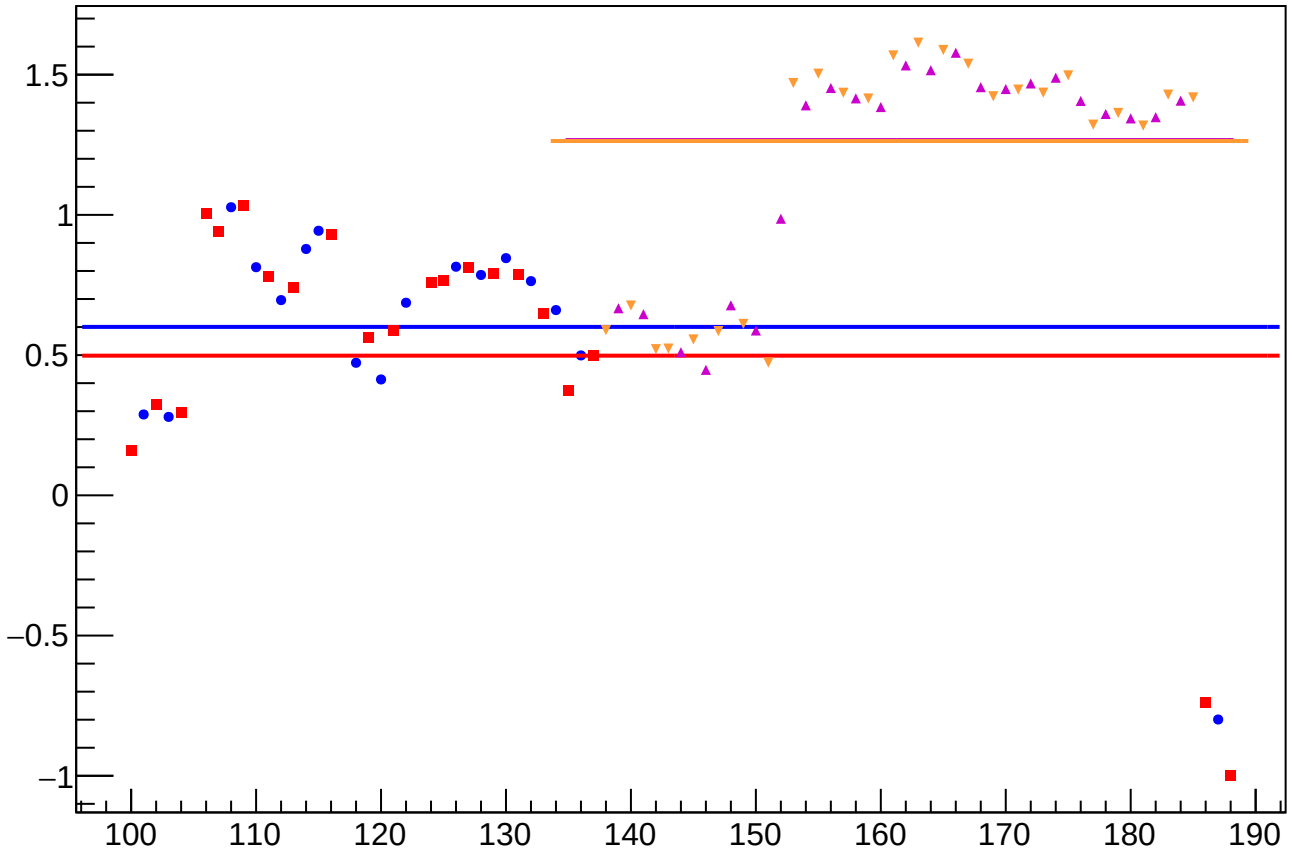
Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.016+/-0.000 χ^2/NDF: 1134664.0/41

All: 0.016+/-0.000 χ^2/NDF: 2495828.4/85

- sign 0.016+/-0.000 χ^2/NDF: 1351013.0/43

yield_bpm0l02Y_mean vs Slug



Right In: 0.601+/-0.000 χ^2/NDF: 7132485615.6/16

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.498+/-0.000 χ^2/NDF: 25798050273.4/20

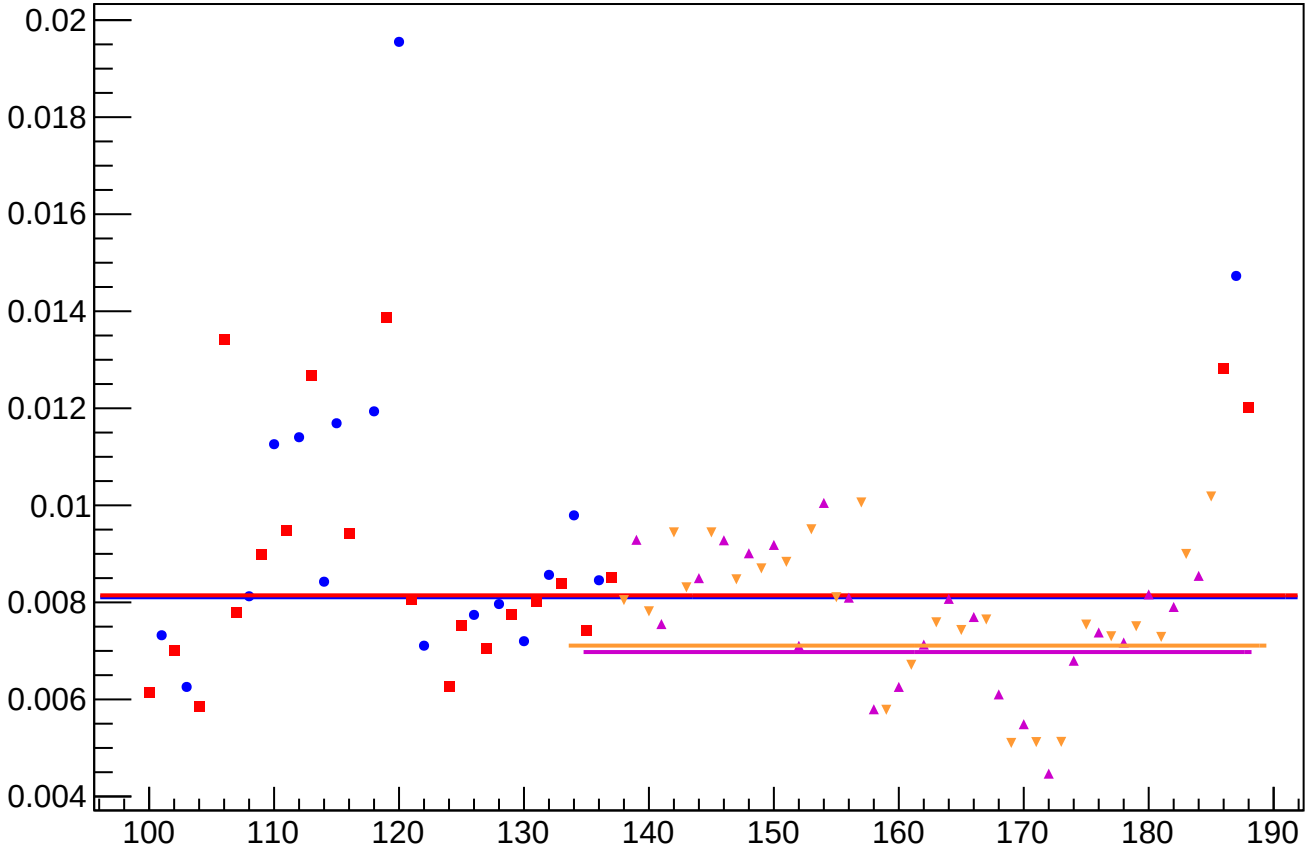
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.117+/-0.000 χ^2/NDF: 85343486887.3/41

All: 1.094+/-0.000 χ^2/NDF: 199429528693.1

- sign 1.071+/-0.000 χ^2/NDF: 113620576418.8/43

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 665163.0/16

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 904161.3/20

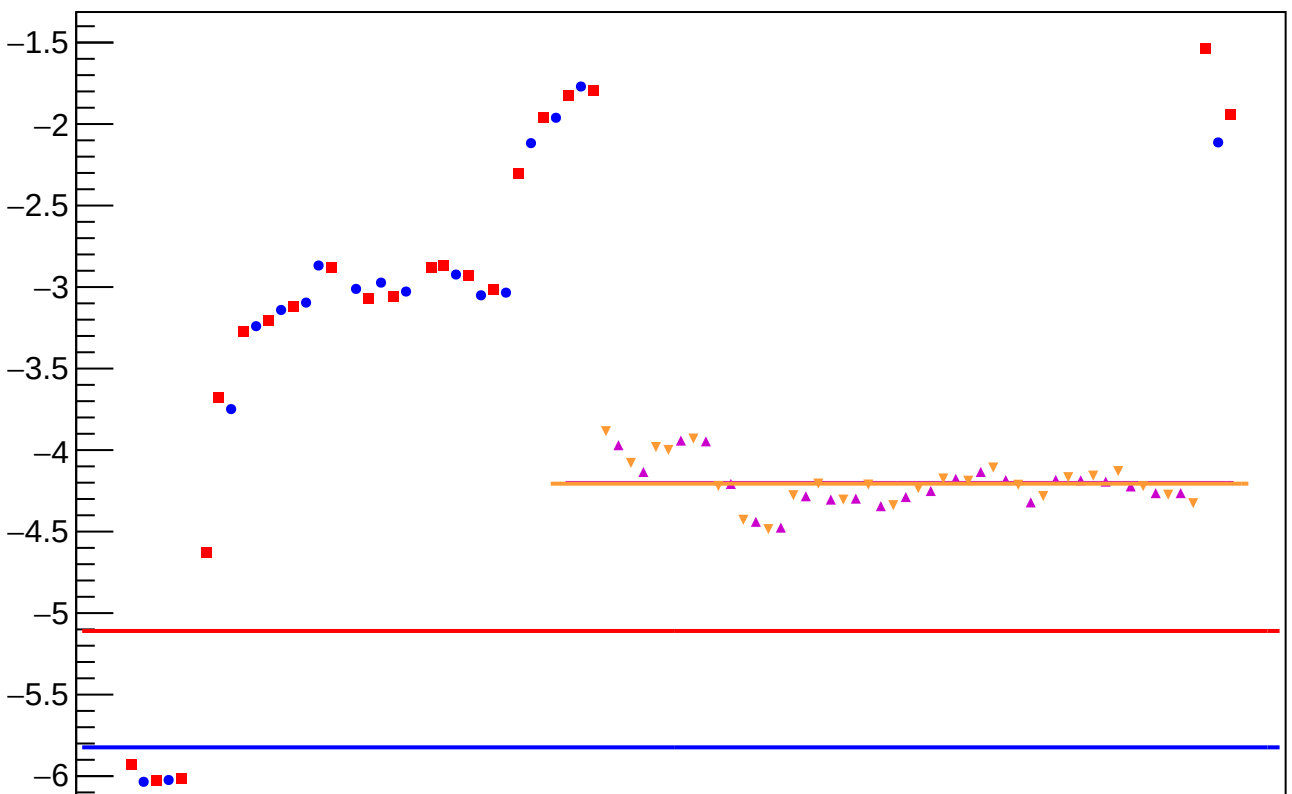
Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 2331841.9/41

All: 0.007+/-0.000 χ^2/NDF: 4926543.8/85

- sign 0.007+/-0.000 χ^2/NDF: 2593357.2/43

yield_bpm0l03X_mean vs Slug



Right In: -5.823+/-0.000 χ^2/NDF: 38977430103.9/16

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -5.110+/-0.000 χ^2/NDF: 155011391150.6/20

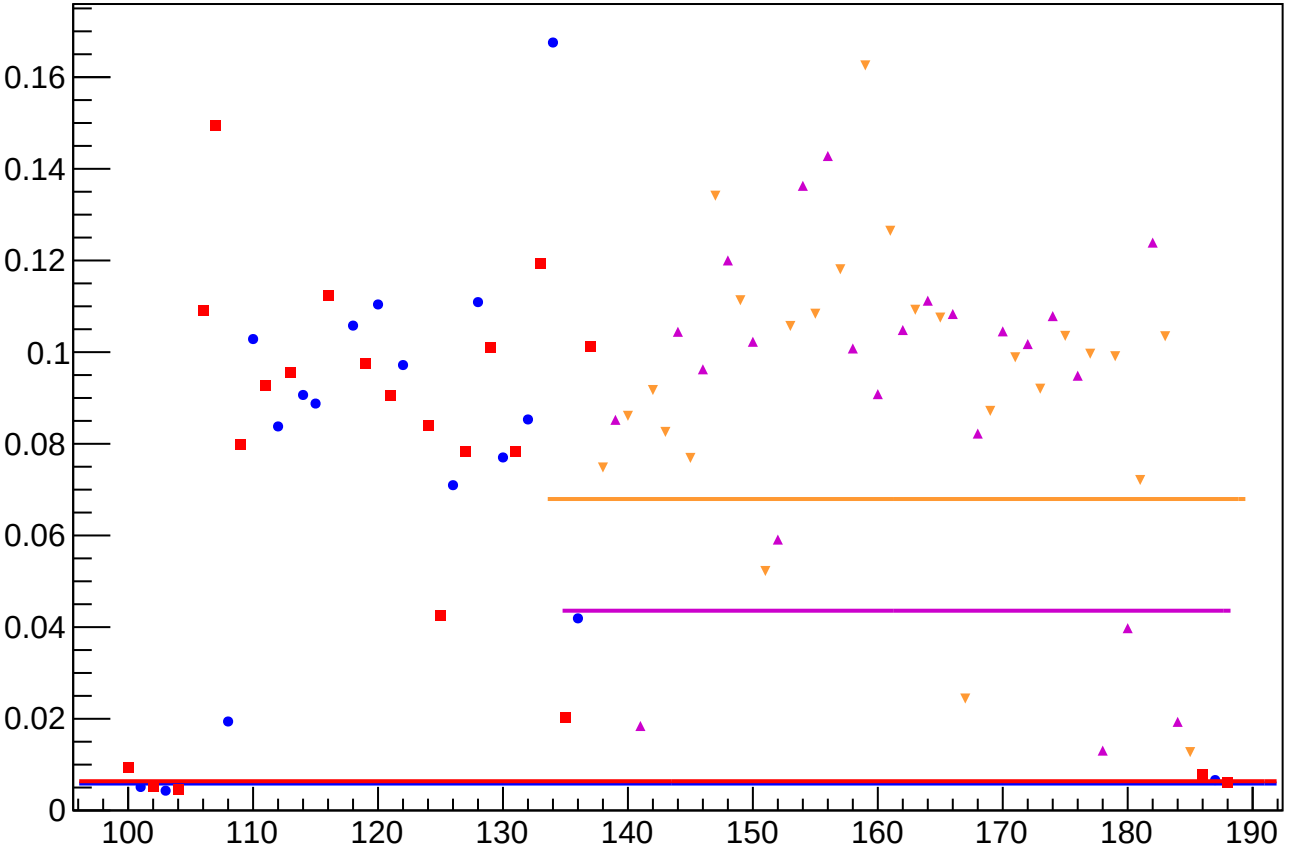
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -5.747+/-0.000 χ^2/NDF: 45669428466.4/41

All: -5.393+/-0.000 χ^2/NDF: 217801830032.1

- sign -5.045+/-0.000 χ^2/NDF: 158184801947.2/43

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8702709.2/16

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

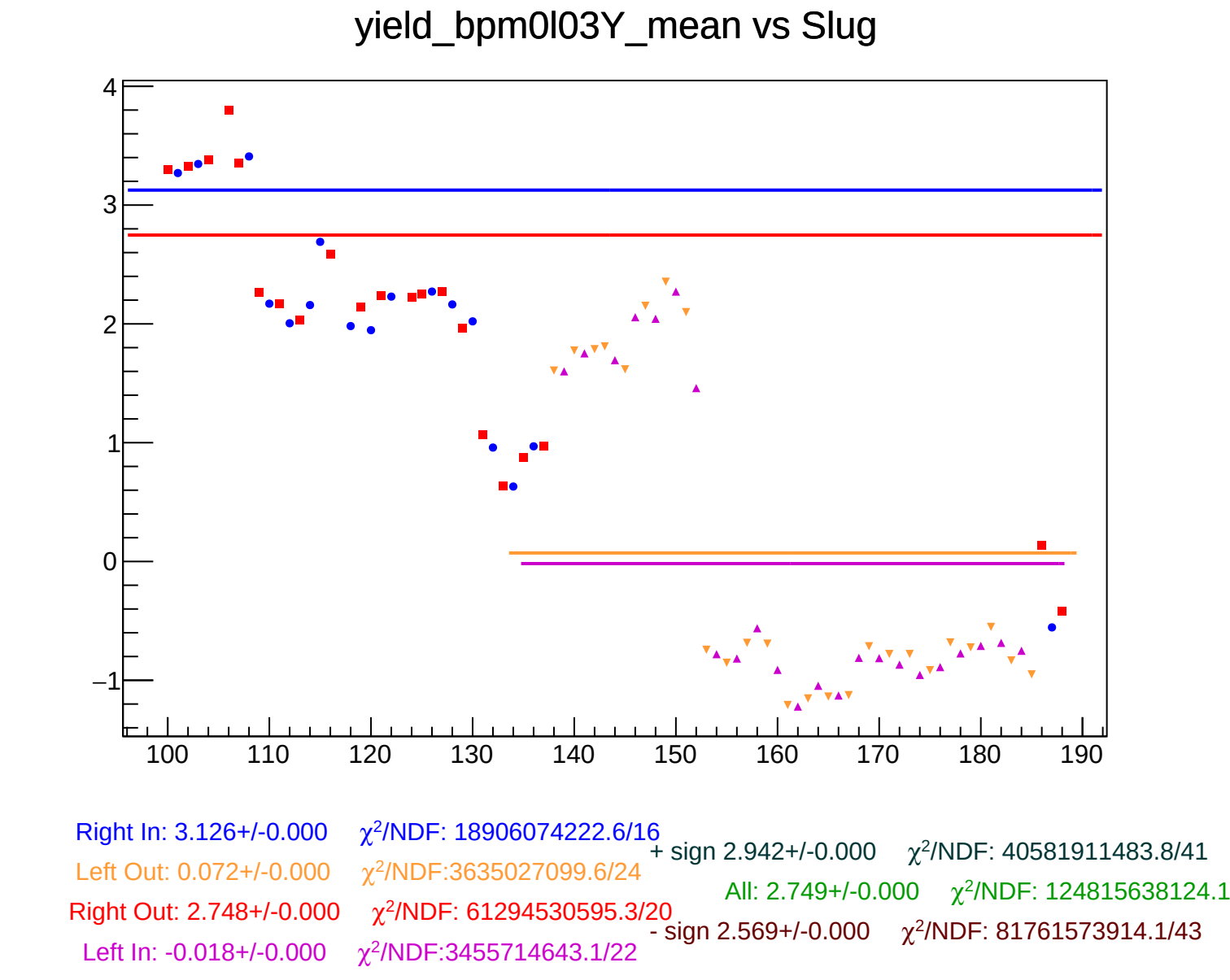
Right Out: 0.006+/-0.000 χ^2/NDF: 8761248.8/20

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

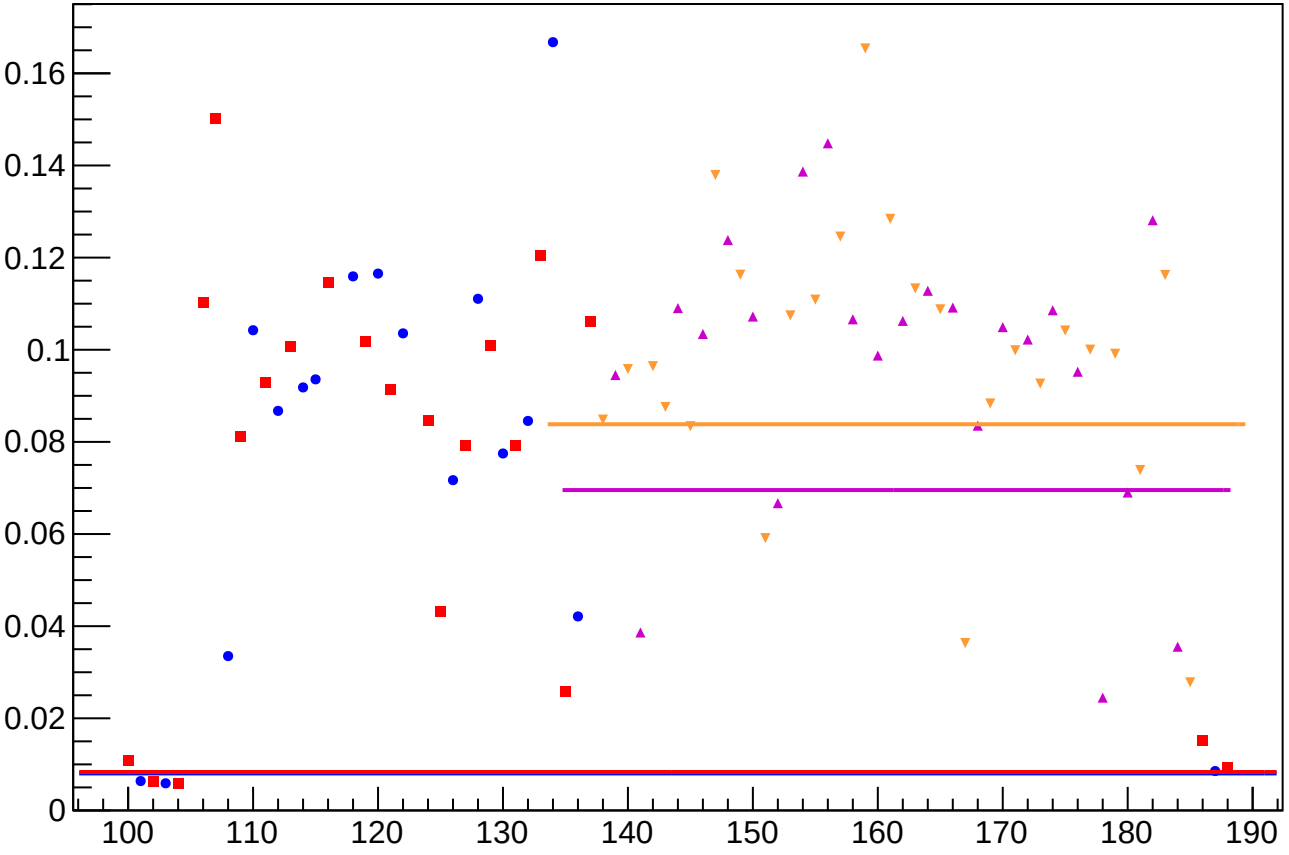
+ sign 0.009+/-0.000 χ^2/NDF: 35871396.6/41

All: 0.009+/-0.000 χ^2/NDF: 67912383.1/85

- sign 0.009+/-0.000 χ^2/NDF: 32038079.3/43


yield_bpm0l03Y_mean vs Slug
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 3.126+/-0.000 χ²/NDF: 18906074222.6/16
Left Out: 0.072+/-0.000 χ²/NDF:3635027099.6/24
Right Out: 2.748+/-0.000 χ²/NDF: 61294530595.3/20
Left In: -0.018+/-0.000 χ²/NDF:3455714643.1/22
+ sign 2.942+/-0.000 χ²/NDF: 40581911483.8/41
All: 2.749+/-0.000 χ²/NDF: 124815638124.1
- sign 2.569+/-0.000 χ²/NDF: 81761573914.1/43

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8416299.0/16

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

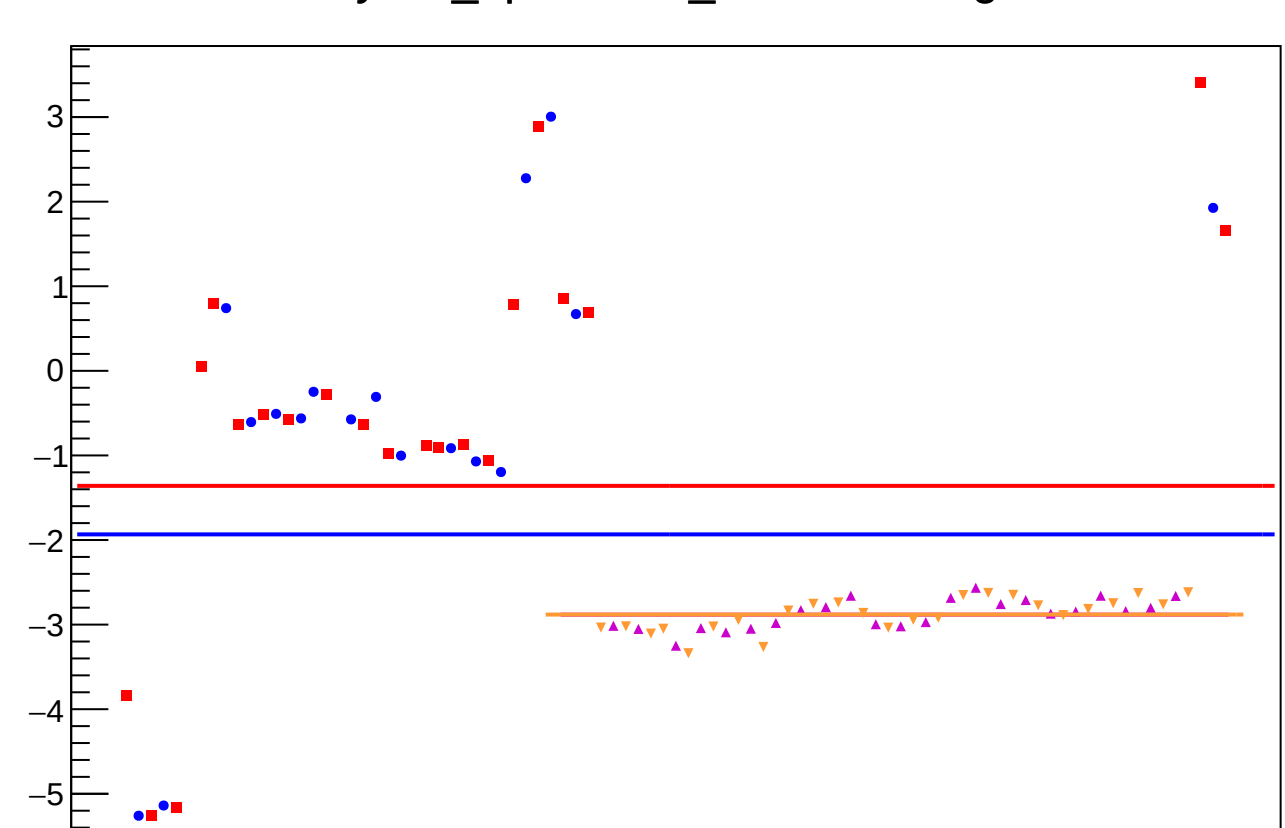
Right Out: 0.008+/-0.000 χ^2/NDF: 8635083.8/20

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 34460017.5/41

All: 0.012+/-0.000 χ^2/NDF: 66453977.4/85

- sign 0.012+/-0.000 χ^2/NDF: 31990787.4/43



Right In: -1.933+/-0.000 χ^2/NDF: 165455455127.3/16

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.360+/-0.000 χ^2/NDF: 201930293415.3/20

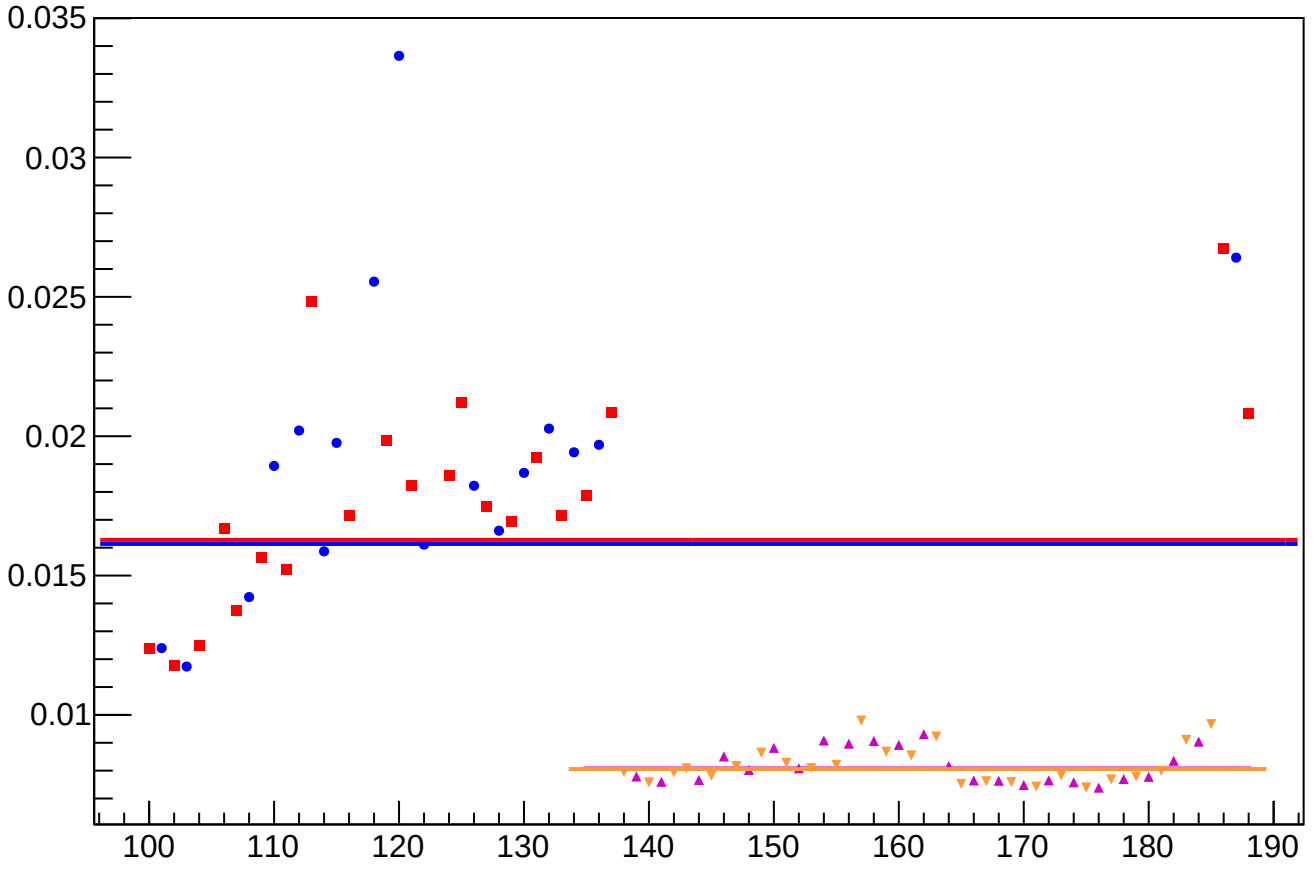
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.811+/-0.000 χ^2/NDF: 195039577008.7/41

All: -2.774+/-0.000 χ^2/NDF: 465776864385.1

- sign -2.736+/-0.000 χ^2/NDF: 269899895367.4/43

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 785031.9/16

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

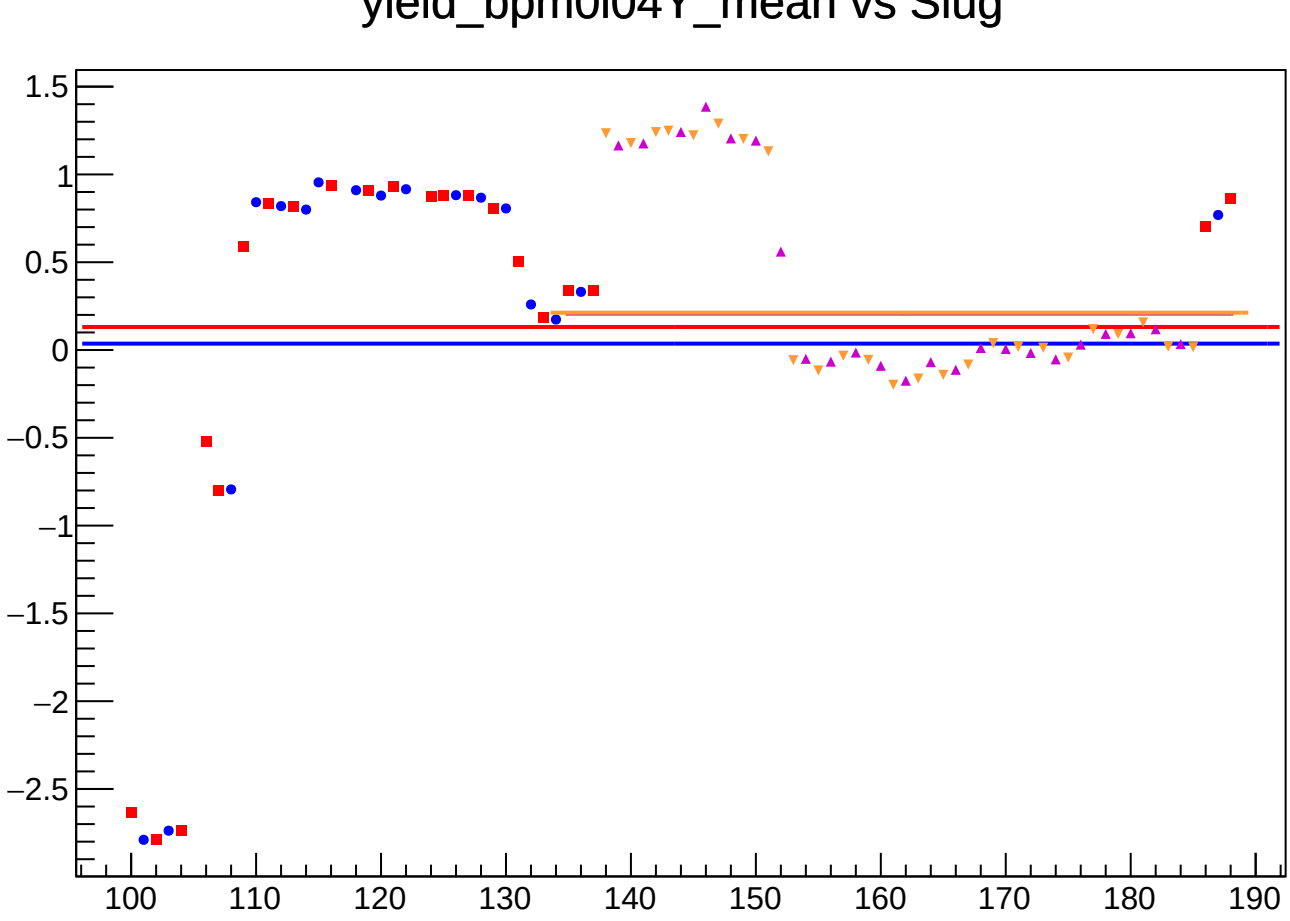
Right Out: 0.016+/-0.000 χ^2/NDF: 718220.7/20

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 3733217.8/41

All: 0.009+/-0.000 χ^2/NDF: 8106788.3/85

- sign 0.009+/-0.000 χ^2/NDF: 4360799.8/43



Right In: 0.036+/-0.000 χ^2/NDF: 854021784024.2/16

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

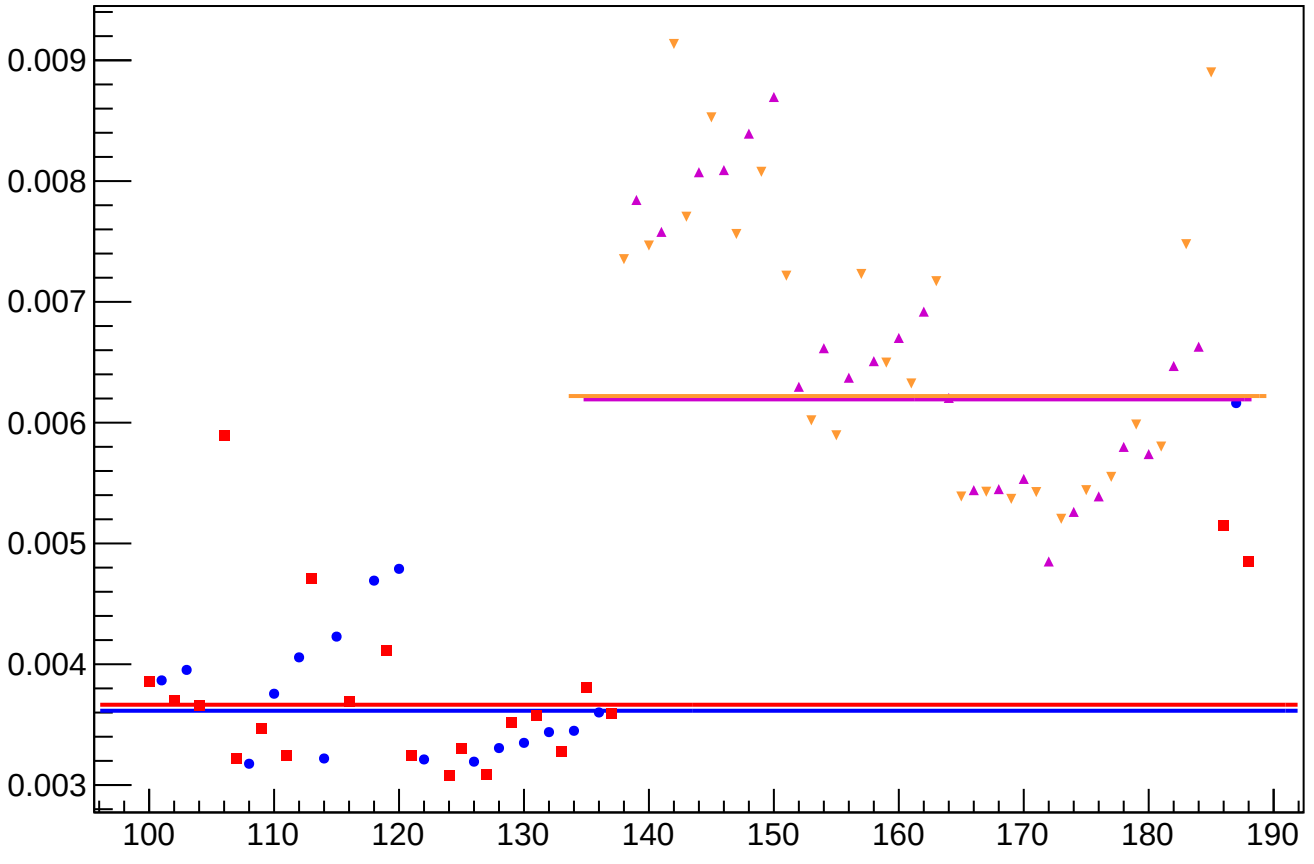
Right Out: 0.131+/-0.000 χ^2/NDF: 963507805770.7/20

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.116+/-0.000 χ^2/NDF: 964200466129.1/41

All: 0.140+/-0.000 χ^2/NDF: 2017302867404.

- sign 0.162+/-0.000 χ^2/NDF: 1052050007825.4/43



Right In: 0.004+/-0.000 χ^2/NDF: 237085.0/16

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

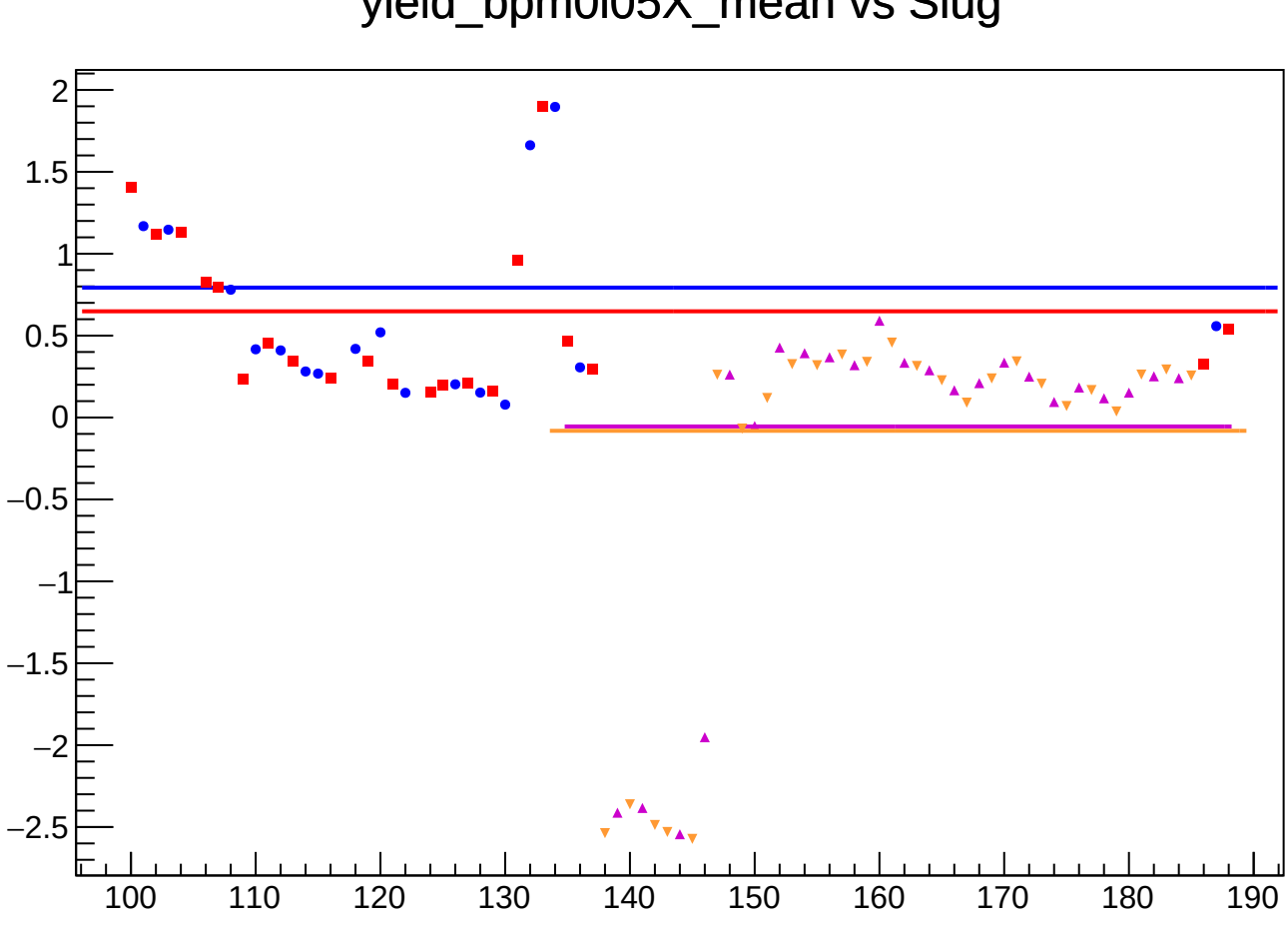
Right Out: 0.004+/-0.000 χ^2/NDF: 414923.1/20

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4262343.5/41

All: 0.005+/-0.000 χ^2/NDF: 8659524.1/85

- sign 0.005+/-0.000 χ^2/NDF: 4386083.2/43



Right In: 0.793+/-0.000 χ^2/NDF: 36199245893.8/16

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.648+/-0.000 χ^2/NDF: 41442109574.7/20

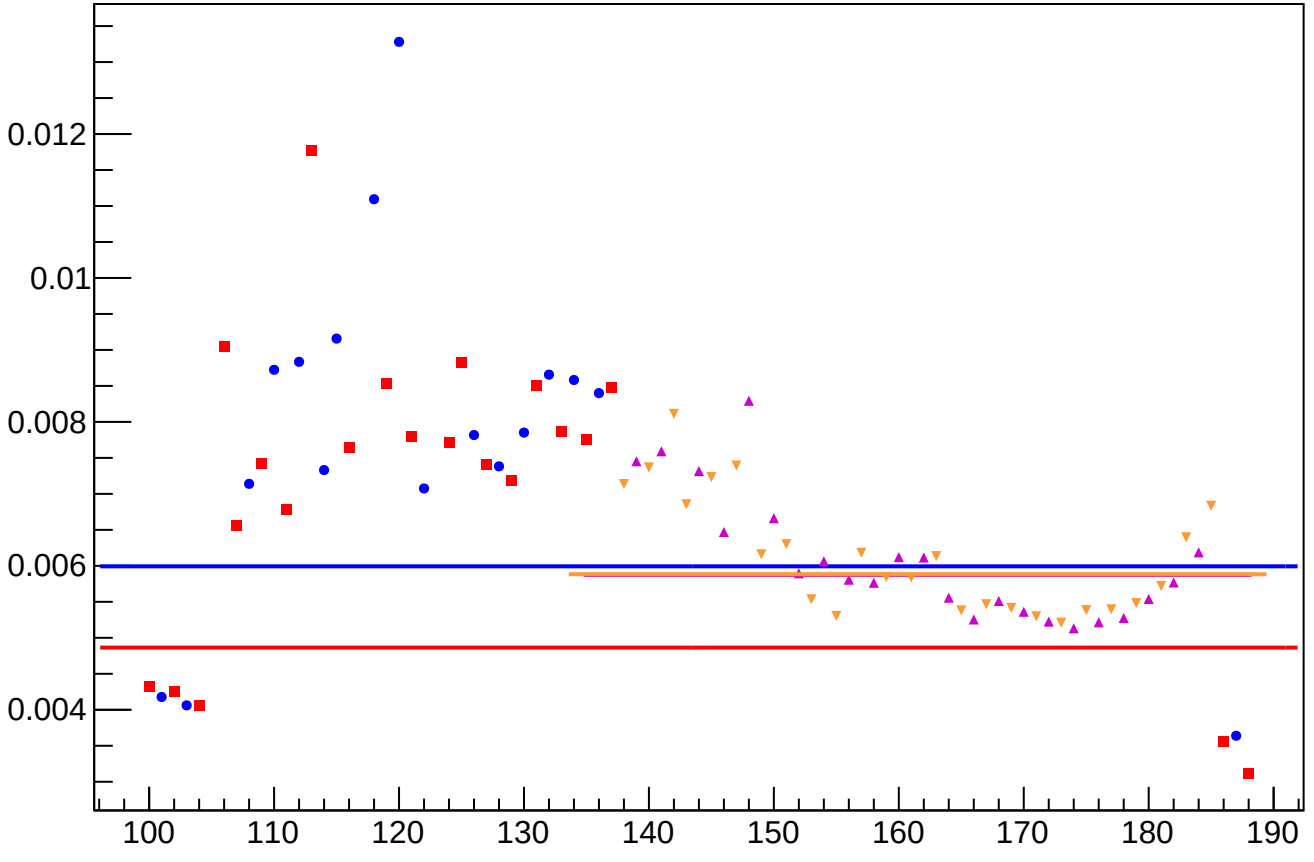
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.126+/-0.000 χ^2/NDF: 516286193706.9/41

All: 0.168+/-0.000 χ^2/NDF: 995364042935.9

- sign 0.205+/-0.000 χ^2/NDF: 476869754293.5/43

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1581544.6/16

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

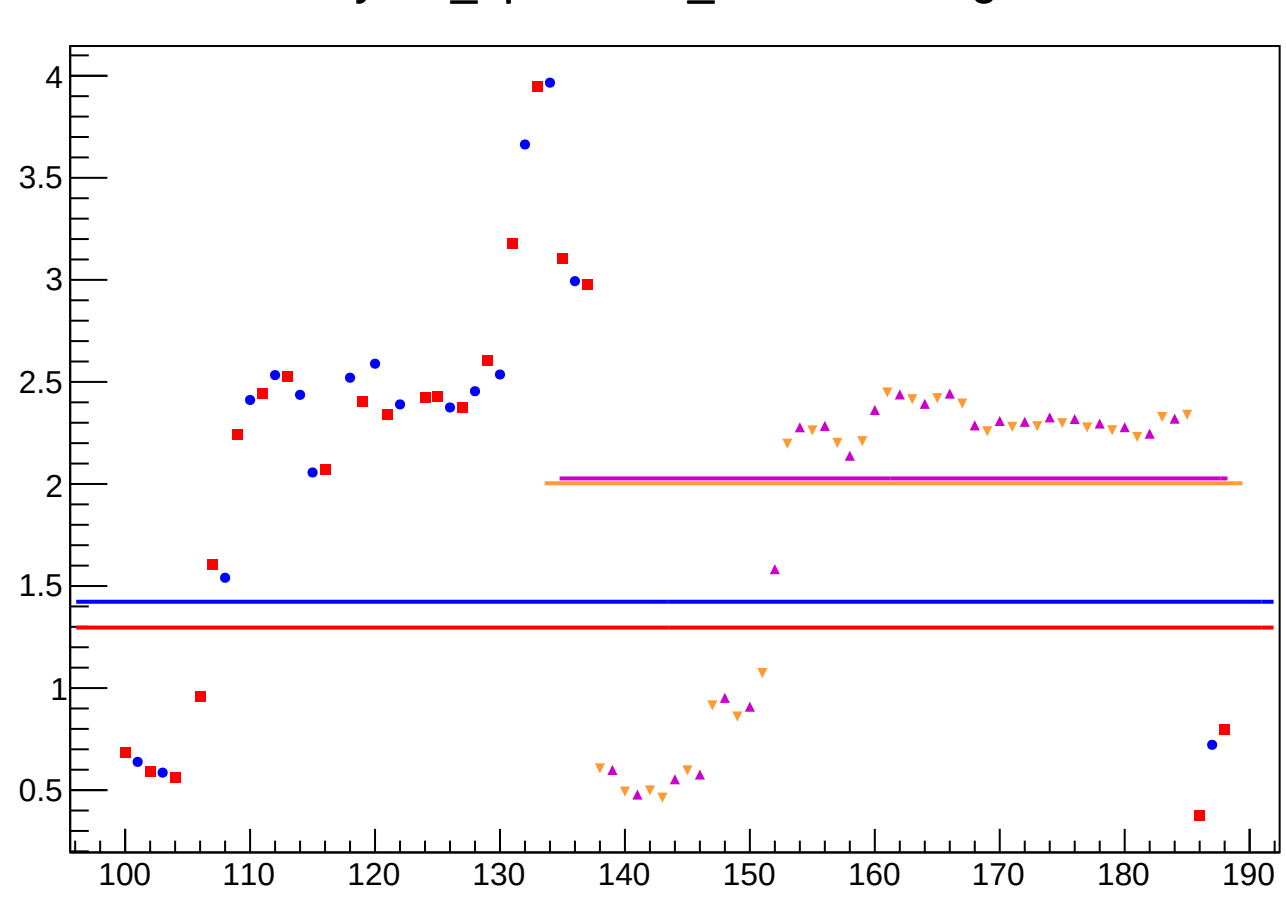
Right Out: 0.005+/-0.000 χ^2/NDF: 2430527.7/20

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 2042229.1/41

All: 0.006+/-0.000 χ^2/NDF: 5478328.6/85

- sign 0.006+/-0.000 χ^2/NDF: 3317720.2/43



Right In: 1.423+/-0.000 χ^2/NDF: 172686745235.7/16

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.296+/-0.000 χ^2/NDF: 213863686325.2/20

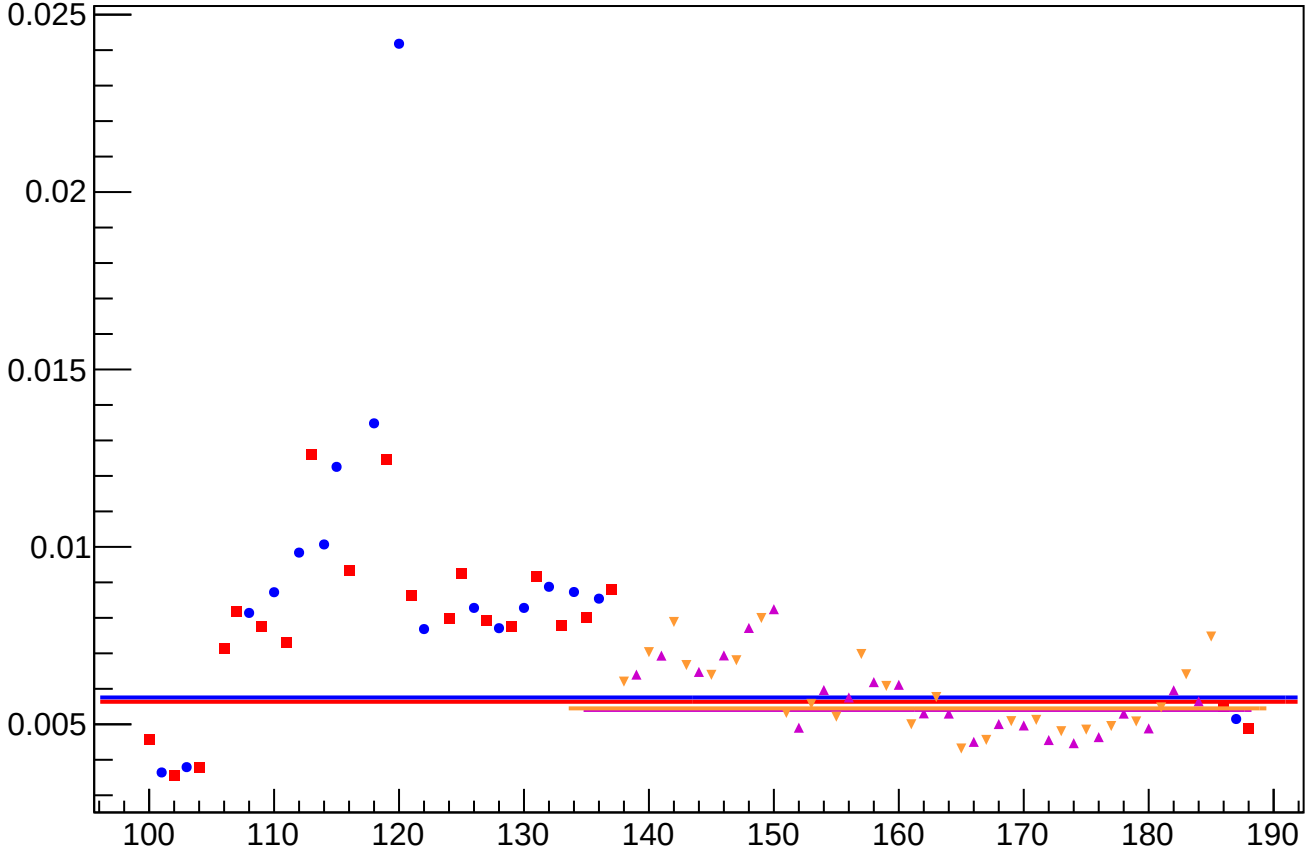
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.876+/-0.000 χ^2/NDF: 432803173380.0/41

All: 1.846+/-0.000 χ^2/NDF: 923566563749.9

- sign 1.818+/-0.000 χ^2/NDF: 489555254171.9/43

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2218463.0/16

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

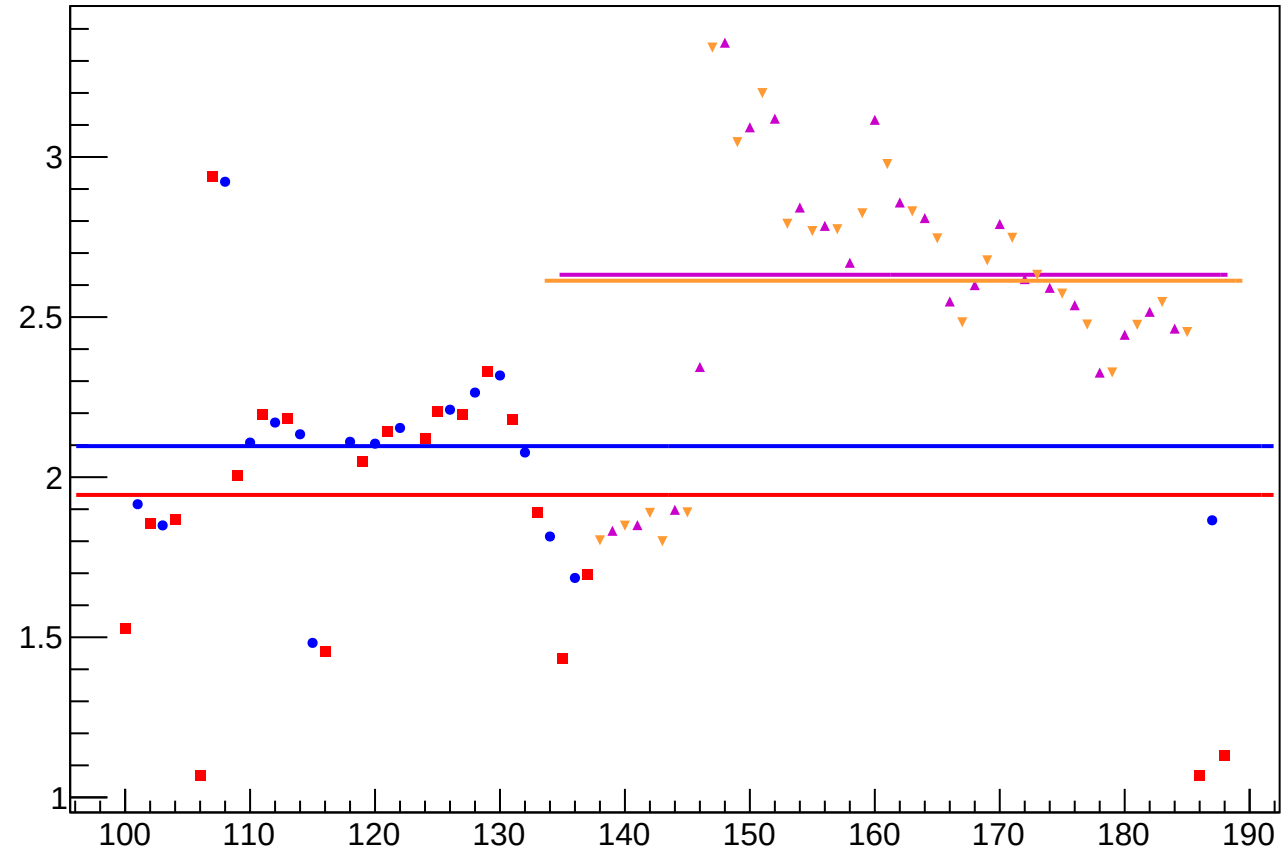
Right Out: 0.006+/-0.000 χ^2/NDF: 2010278.8/20

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.006+/-0.000 χ^2/NDF: 3012811.0/41

All: 0.005+/-0.000 χ^2/NDF: 5855857.7/85

- sign 0.005+/-0.000 χ^2/NDF: 2841519.8/43



Right In: 2.097+/-0.000 χ^2/NDF: 14008992883.5/16

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.945+/-0.000 χ^2/NDF: 29544114840.2/20

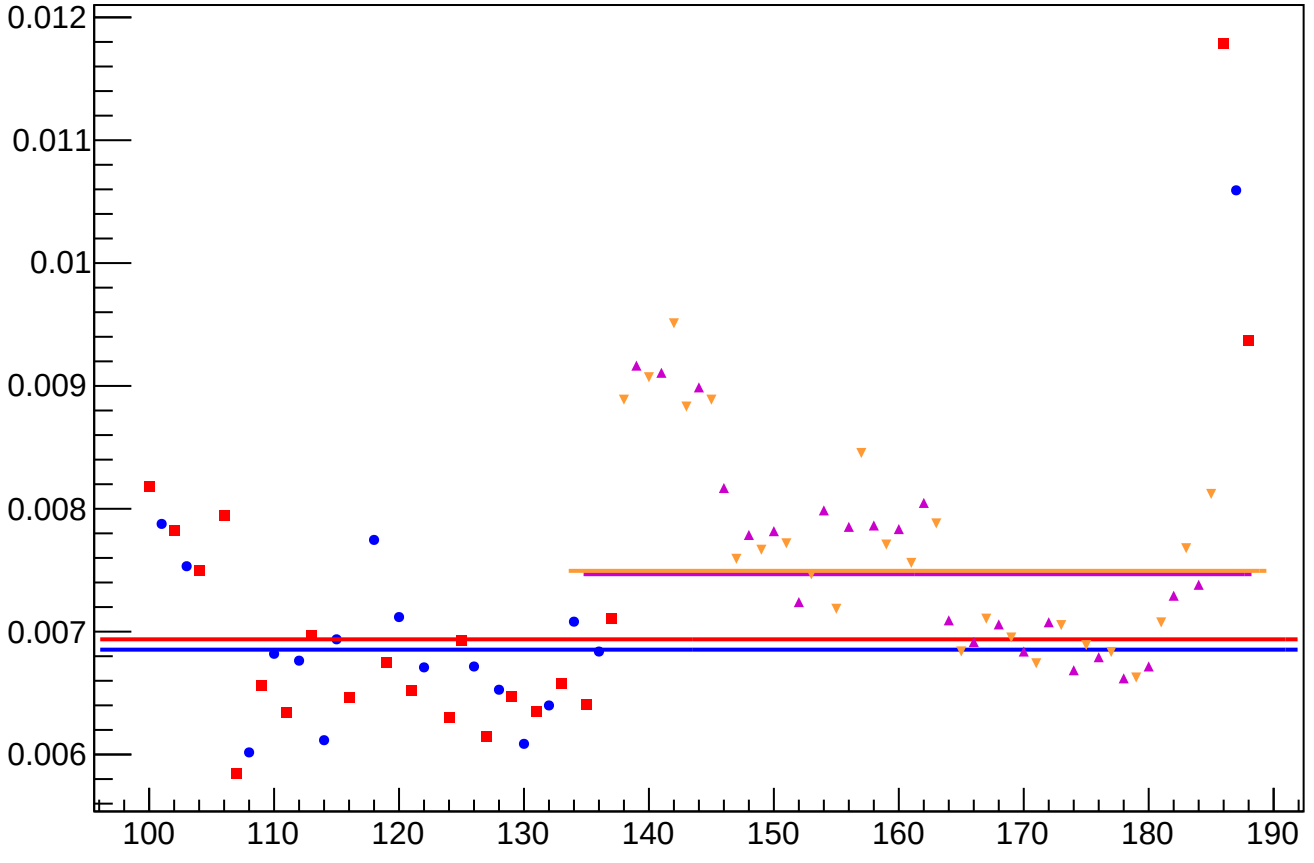
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.451+/-0.000 χ^2/NDF: 87552015115.9/41

All: 2.418+/-0.000 χ^2/NDF: 211122775753.7

- sign 2.386+/-0.000 χ^2/NDF: 122574282989.3/43

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 128694.1/16

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

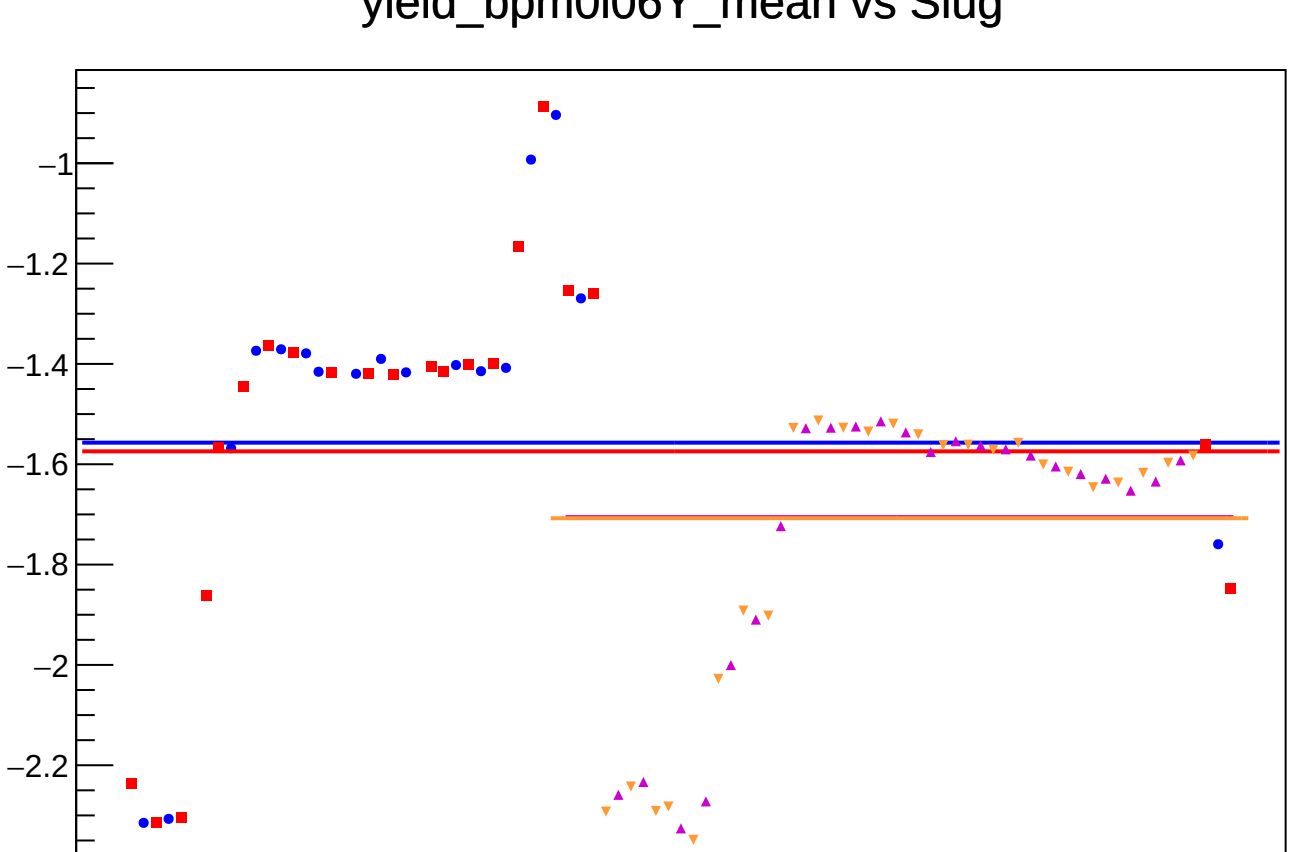
Right Out: 0.007+/-0.000 χ^2/NDF: 358426.0/20

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.007+/-0.000 χ^2/NDF: 545111.5/41

All: 0.007+/-0.000 χ^2/NDF: 1287929.1/85

- sign 0.007+/-0.000 χ^2/NDF: 742711.6/43



Right In: -1.557+/-0.000 χ^2/NDF: 175814184039.9/16

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.574+/-0.000 χ^2/NDF: 182668039700.9/20

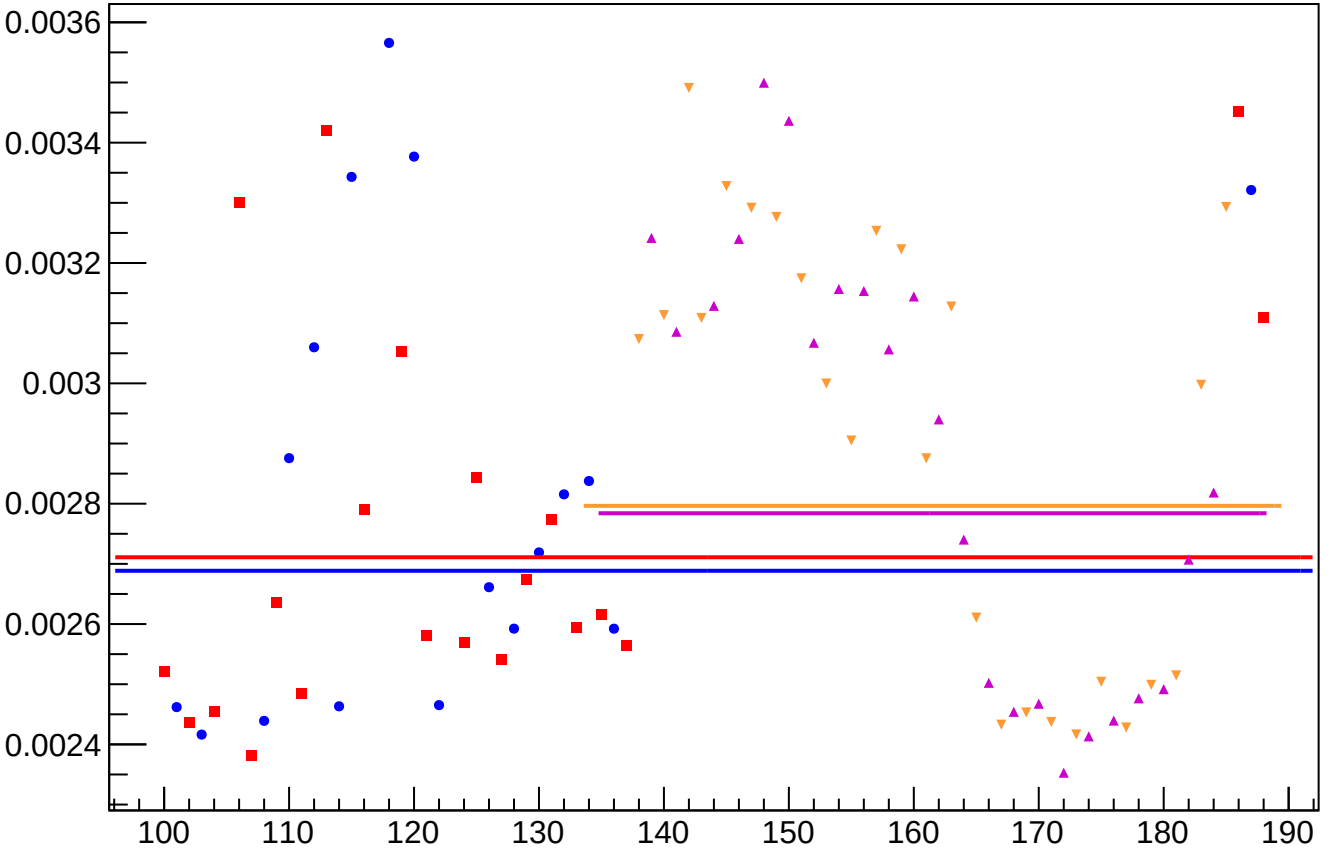
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.663+/-0.000 χ^2/NDF: 342910788077.5/41

All: -1.662+/-0.000 χ^2/NDF: 674971617177.

- sign -1.661+/-0.000 χ^2/NDF: 332050638336.5/43

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 170333.6/16

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

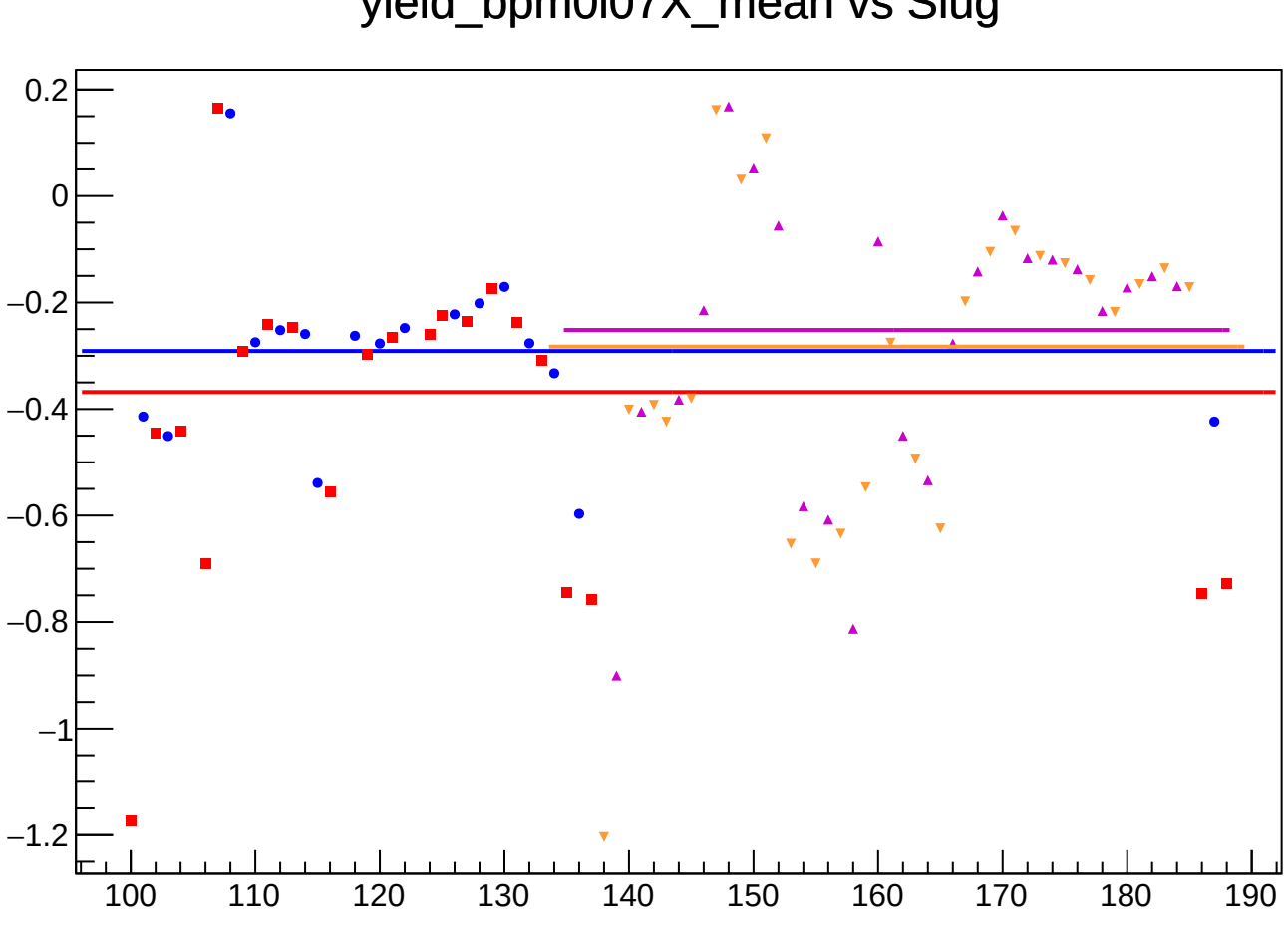
Right Out: 0.003+/-0.000 χ^2/NDF: 191418.1/20

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

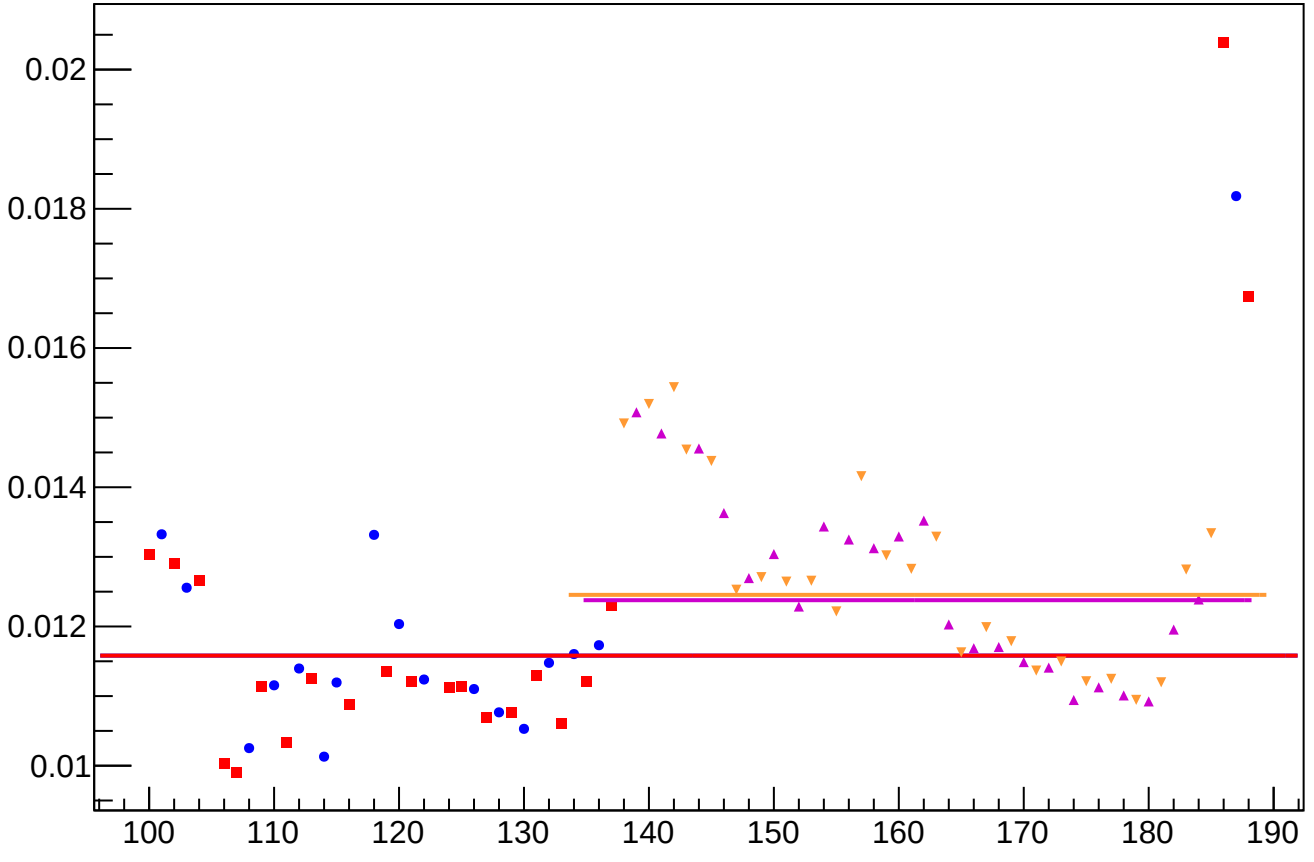
+ sign 0.003+/-0.000 χ^2/NDF: 733749.3/41

All: 0.003+/-0.000 χ^2/NDF: 1490370.8/85

- sign 0.003+/-0.000 χ^2/NDF: 756523.1/43


yield_bpm0l07X_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.291+/-0.000 χ²/NDF: 1654337017.7/16
Left Out: -0.283+/-0.000 χ²/NDF:9343511244.8/24
Right Out: -0.368+/-0.000 χ²/NDF: 3212149364.4/20
Left In: -0.252+/-0.000 χ²/NDF:7167367678.6/22
+ sign -0.285+/-0.000 χ²/NDF: 11000305286.0/41
All: -0.289+/-0.000 χ²/NDF: 21931632690.8/
- sign -0.293+/-0.000 χ²/NDF: 10926157562.1/43

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 129718.6/16

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

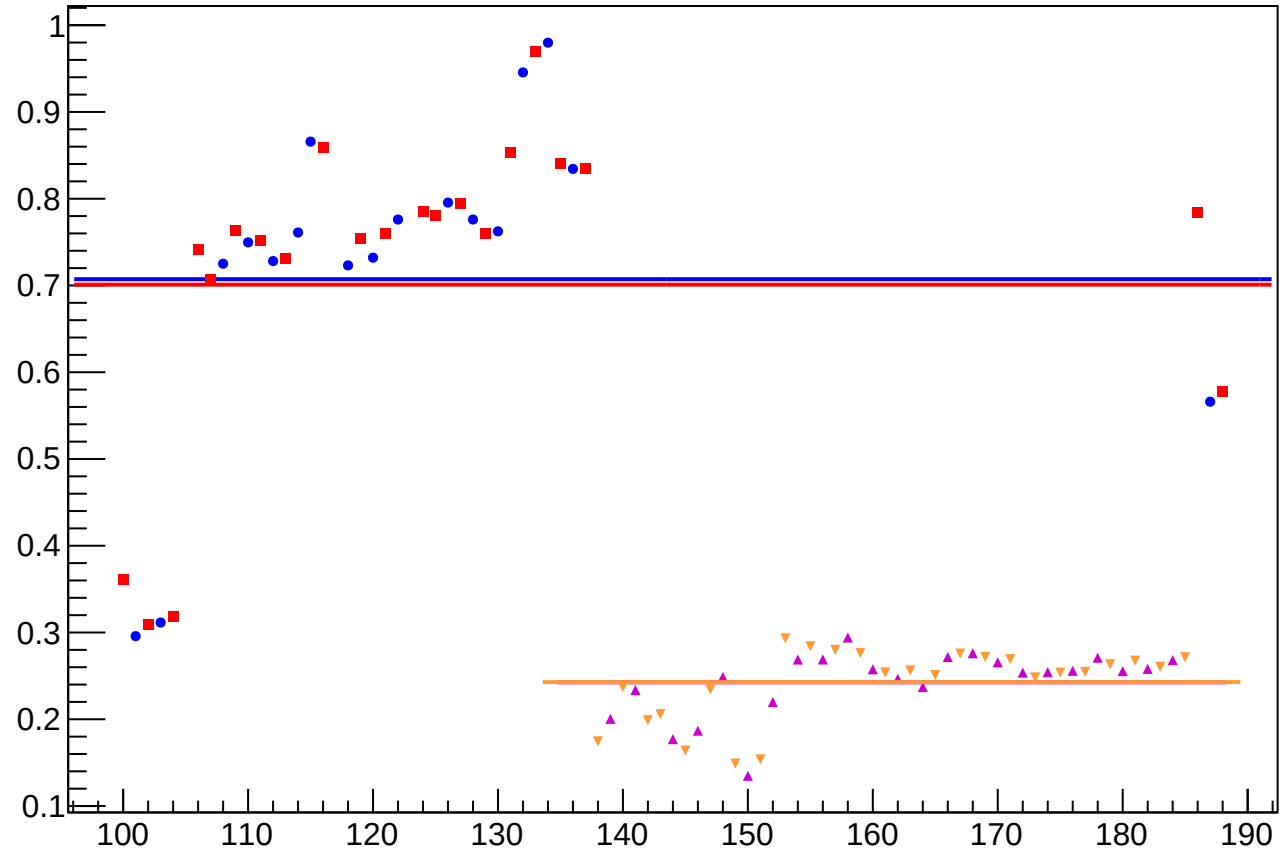
Right Out: 0.012+/-0.000 χ^2/NDF: 408872.6/20

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 526539.3/41

All: 0.012+/-0.000 χ^2/NDF: 1314809.2/85

- sign 0.012+/-0.000 χ^2/NDF: 786841.8/43



Right In: 0.707+/-0.000 χ^2/NDF: 49323800703.0/16

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.701+/-0.000 χ^2/NDF: 46559523575.8/20

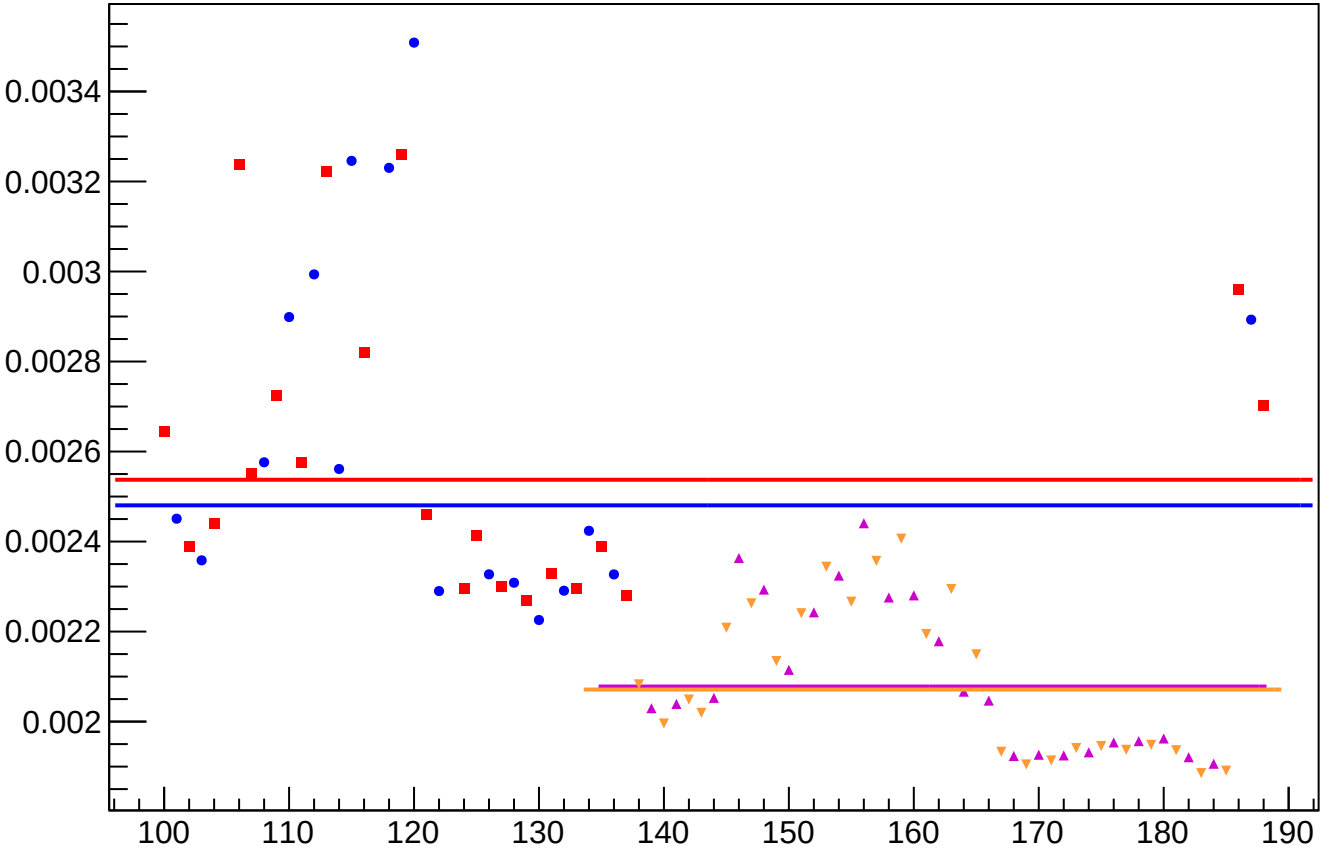
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.337+/-0.000 χ^2/NDF: 251595333552.4/41

All: 0.344+/-0.000 χ^2/NDF: 512691786326.8

- sign 0.351+/-0.000 χ^2/NDF: 260565071983.1/43

yield_bpm0l07Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 214866.5/16

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 203601.6/20

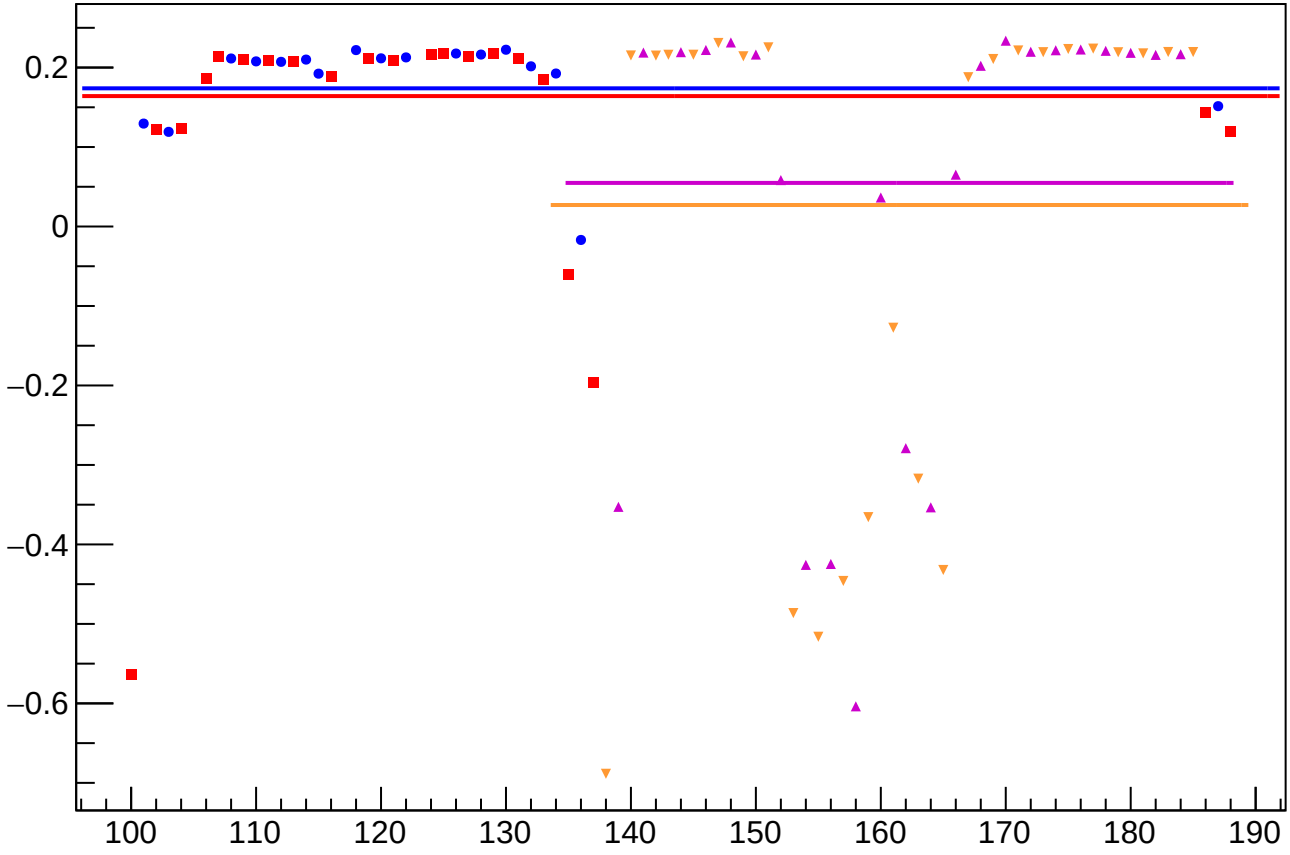
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 751418.5/41

All: 0.002+/-0.000 χ^2/NDF: 1590768.4/85

- sign 0.002+/-0.000 χ^2/NDF: 833605.4/43

yield_bpm0l08X_mean vs Slug



Right In: 0.174+/-0.000 χ^2/NDF: 402264798.2/16

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.164+/-0.000 χ^2/NDF: 903521294.5/20

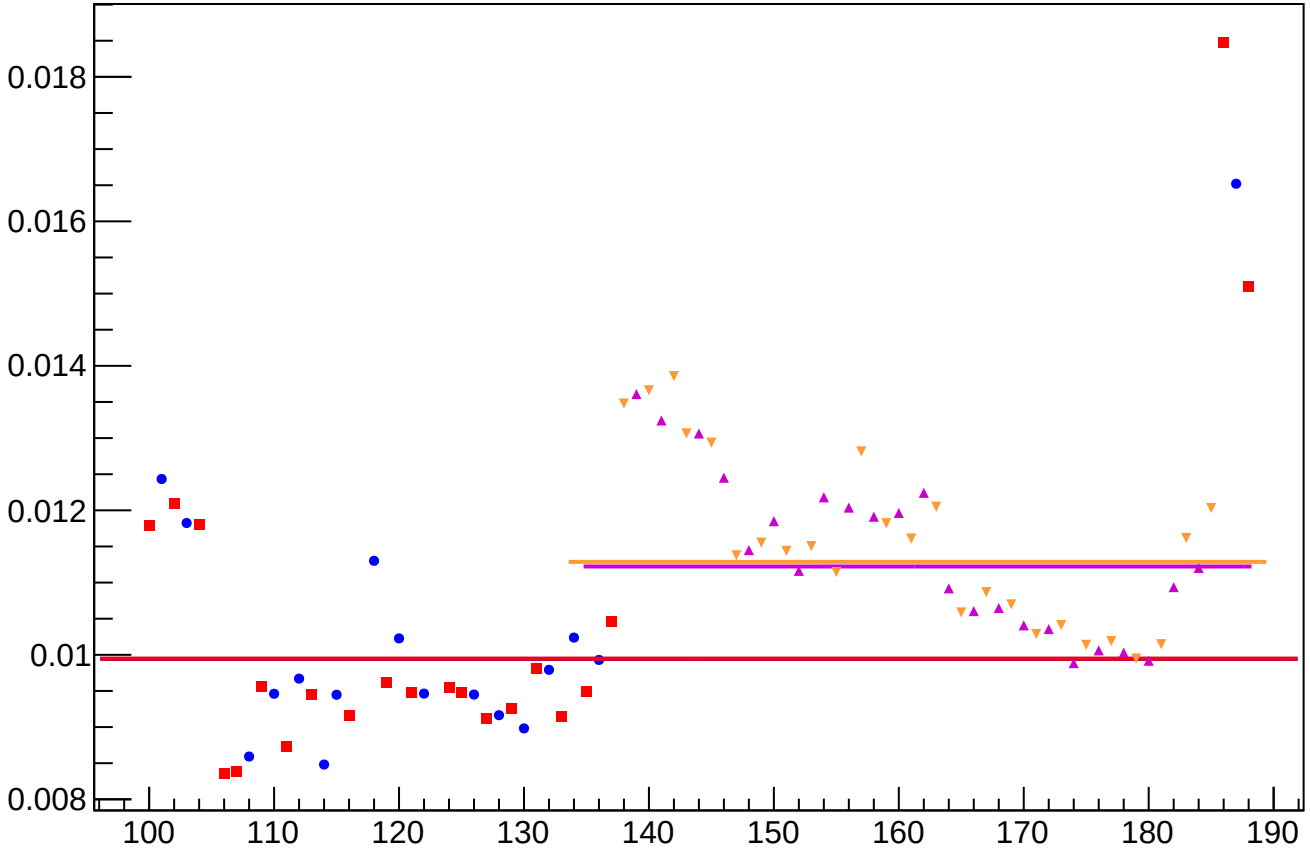
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.076+/-0.000 χ^2/NDF: 14399566586.9/41

All: 0.086+/-0.000 χ^2/NDF: 25676635971.2/8

- sign 0.096+/-0.000 χ^2/NDF: 11230240024.4/43

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 203221.6/16

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

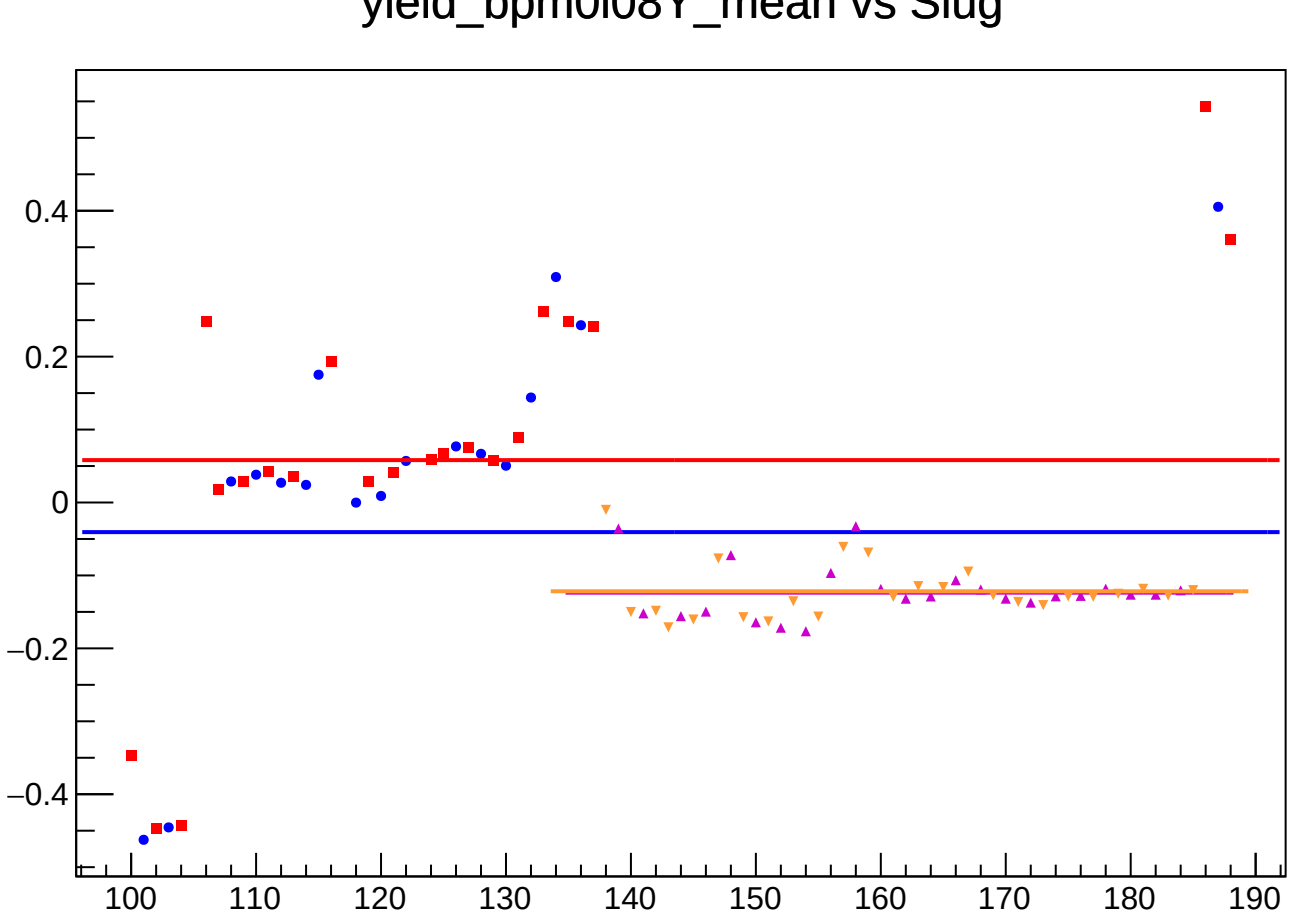
Right Out: 0.010+/-0.000 χ^2/NDF: 536967.6/20

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 702393.0/41

All: 0.011+/-0.000 χ^2/NDF: 1726986.4/85

- sign 0.011+/-0.000 χ^2/NDF: 1022212.3/43



Right In: -0.041+/-0.000 χ^2/NDF: 26248764412.5/16

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

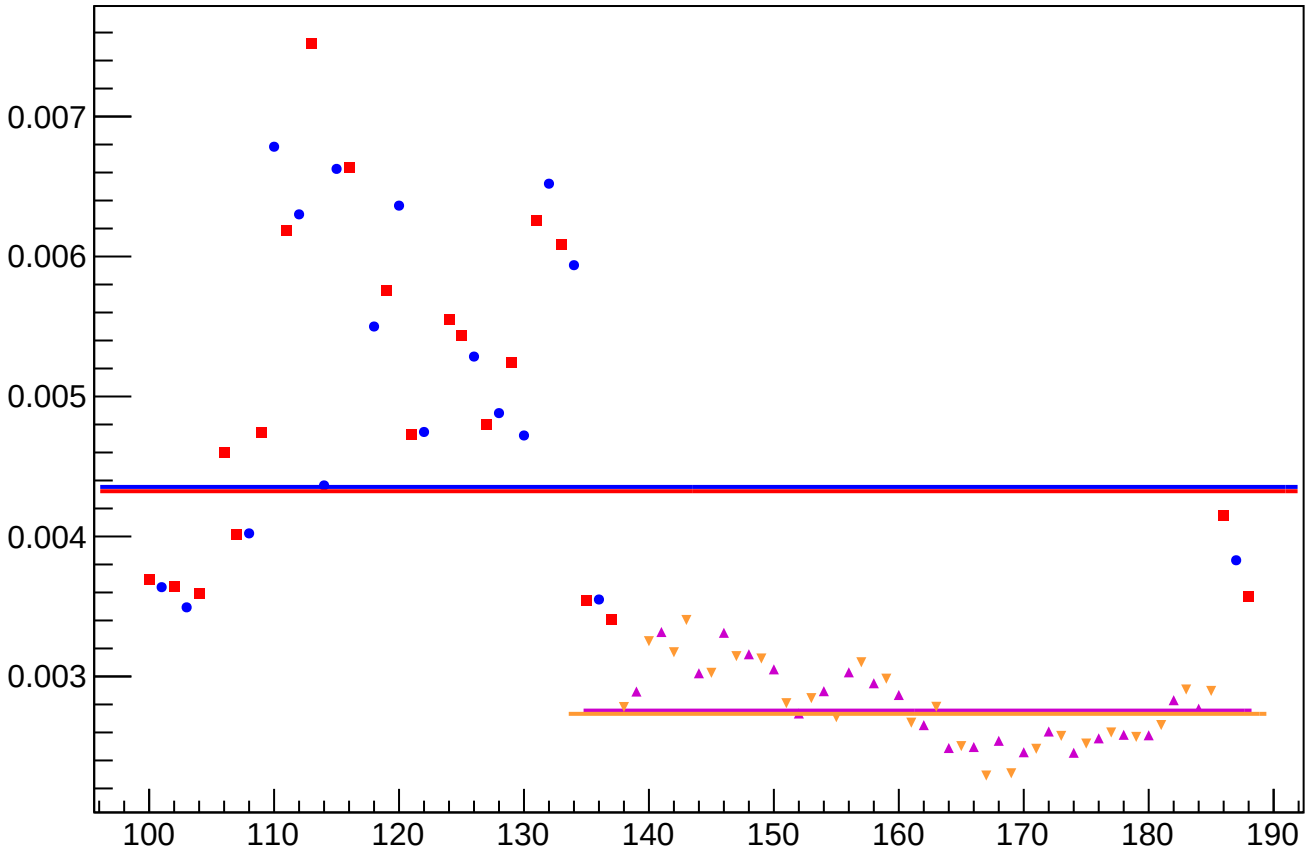
Right Out: 0.058+/-0.000 χ^2/NDF: 37117073623.4/20

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.112+/-0.000 χ^2/NDF: 31084900887.0/41

All: -0.104+/-0.000 χ^2/NDF: 82796756424.3/

- sign -0.096+/-0.000 χ^2/NDF: 51360641607.8/43



Right In: 0.004+/-0.000 χ^2/NDF: 666411.9/16

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 808154.0/20

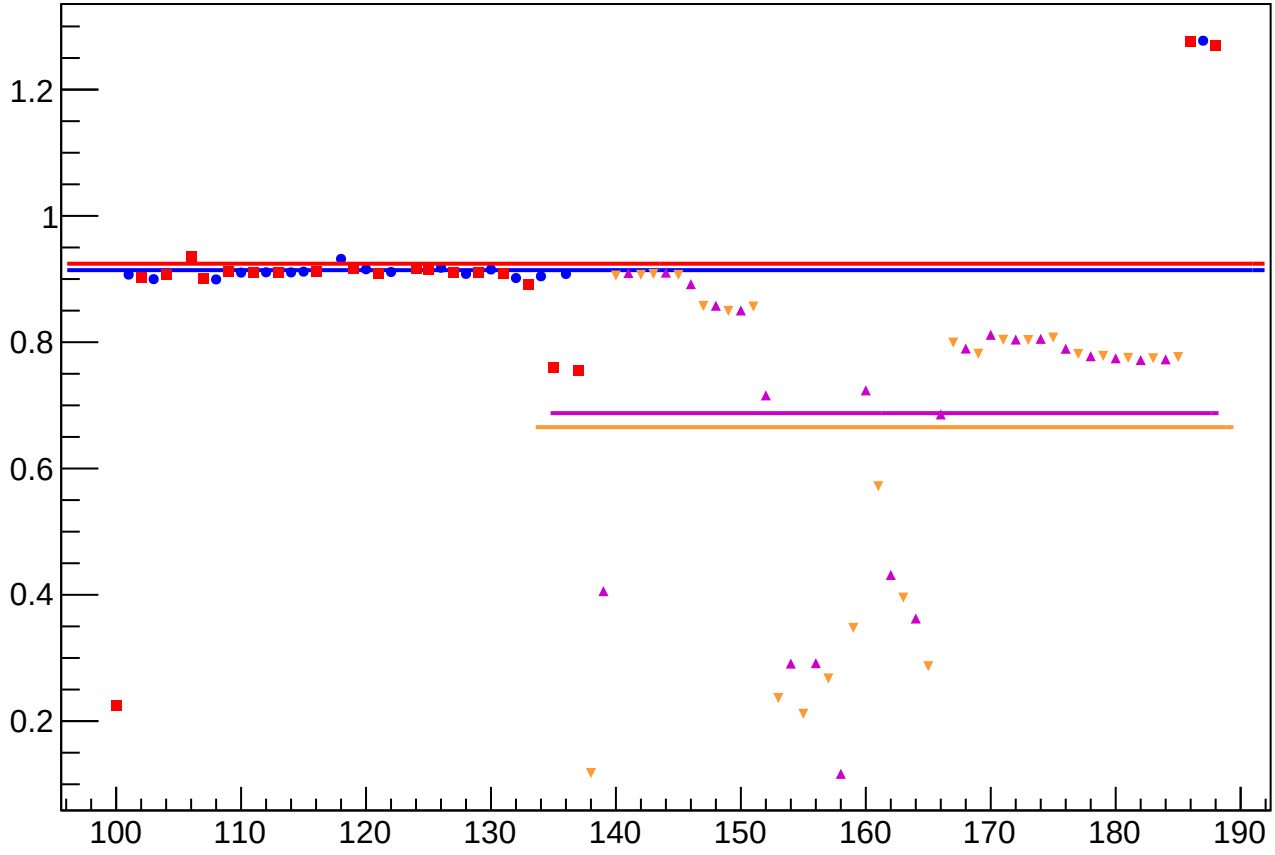
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 2586589.2/41

All: 0.003+/-0.000 χ^2/NDF: 5400994.9/85

- sign 0.003+/-0.000 χ^2/NDF: 2801464.6/43

yield_bpm0l09X_mean vs Slug



Right In: 0.914+/-0.000 χ^2/NDF: 94917651.7/16

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 0.924+/-0.000 χ^2/NDF: 1083729382.6/20

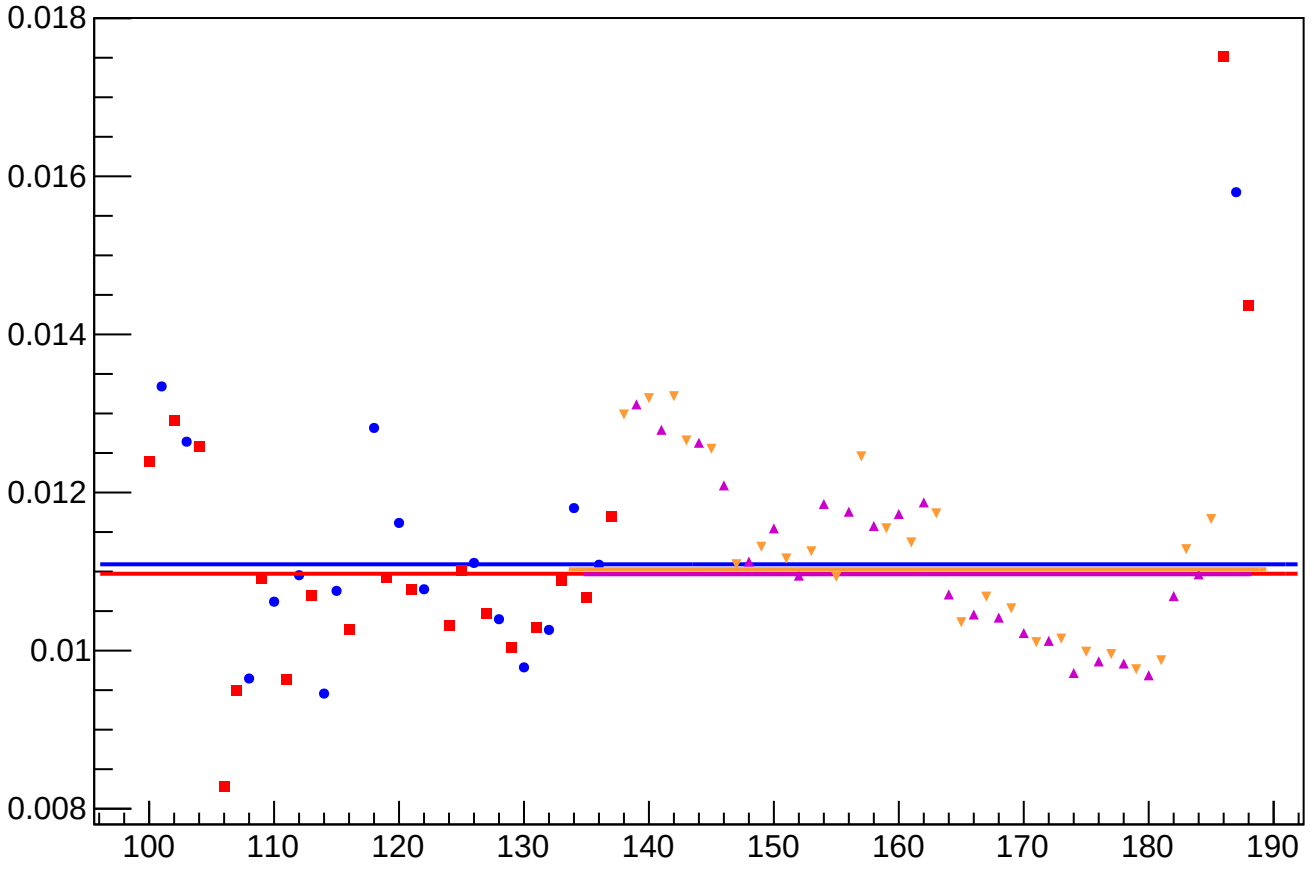
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.734+/-0.000 χ^2/NDF: 11870392245.1/41

All: 0.749+/-0.000 χ^2/NDF: 22693164660.5/8

- sign 0.765+/-0.000 χ^2/NDF: 10721323403.8/43

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 161166.1/16

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

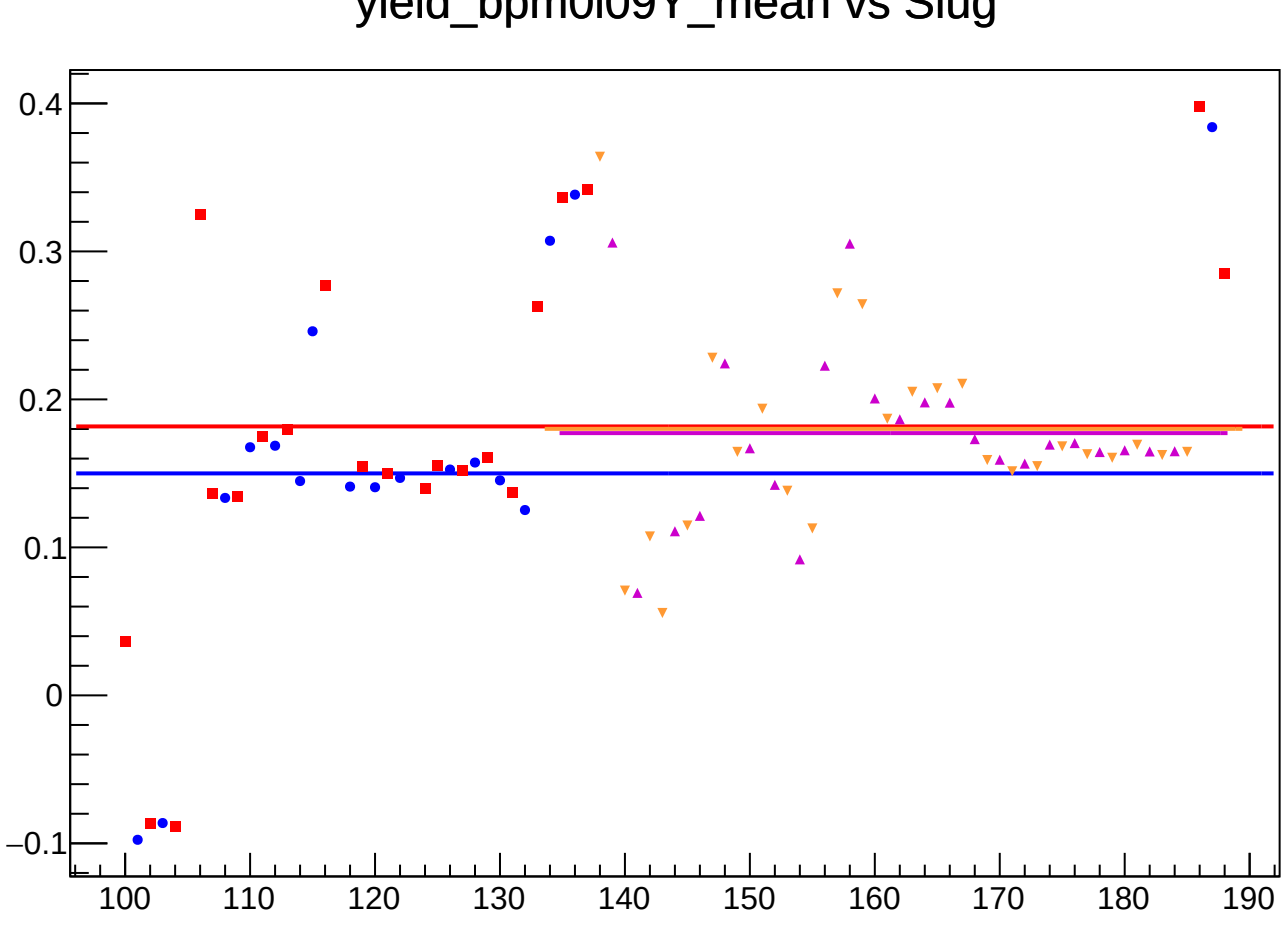
Right Out: 0.011+/-0.000 χ^2/NDF: 369643.5/20

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 460934.7/41

All: 0.011+/-0.000 χ^2/NDF: 1119543.4/85

- sign 0.011+/-0.000 χ^2/NDF: 657297.8/43



Right In: 0.150+/-0.000 χ^2/NDF: 8324938288.2/16

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.182+/-0.000 χ^2/NDF: 8894399947.0/20

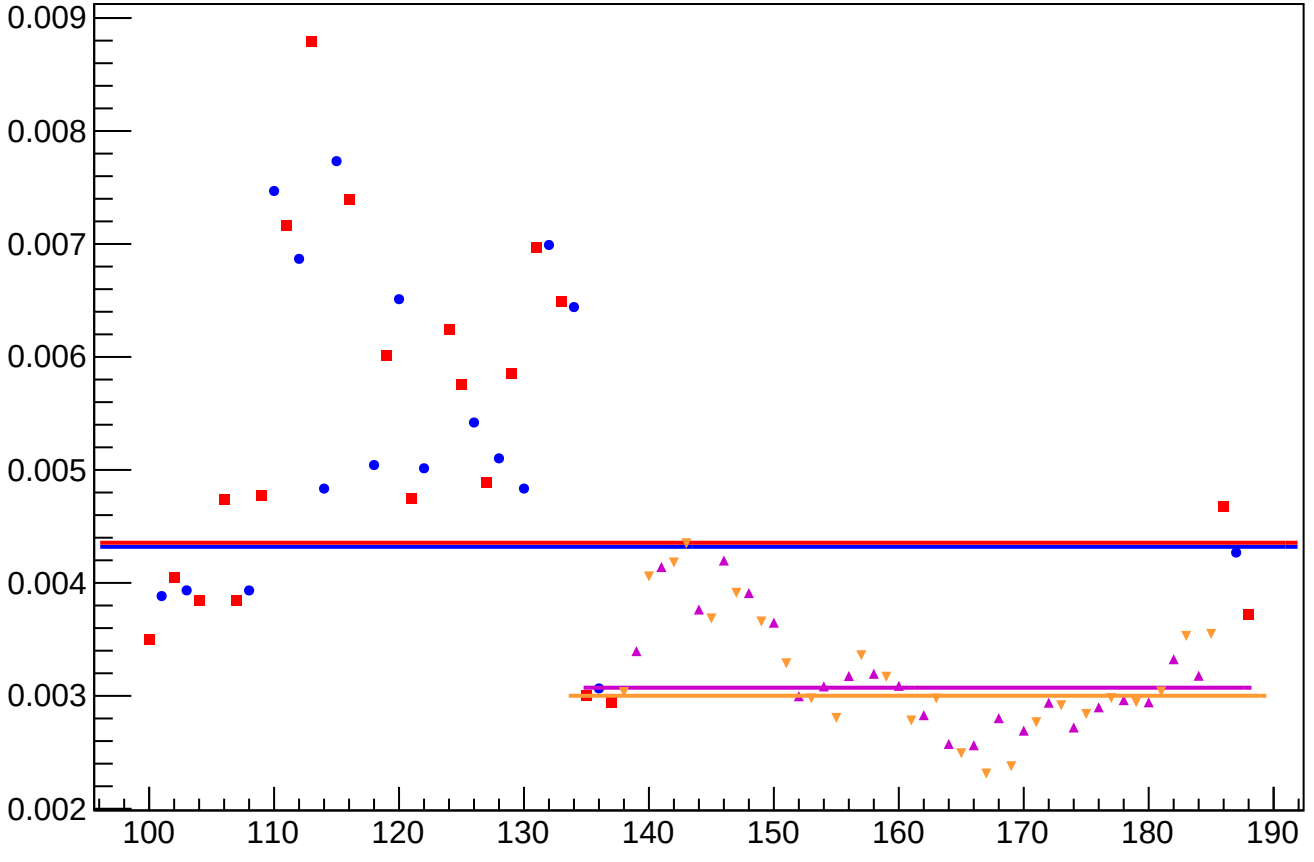
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.176+/-0.000 χ^2/NDF: 15019923272.1/41

All: 0.177+/-0.000 χ^2/NDF: 28546168236.5/8

- sign 0.178+/-0.000 χ^2/NDF: 13521586486.9/43

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 878386.5/16

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

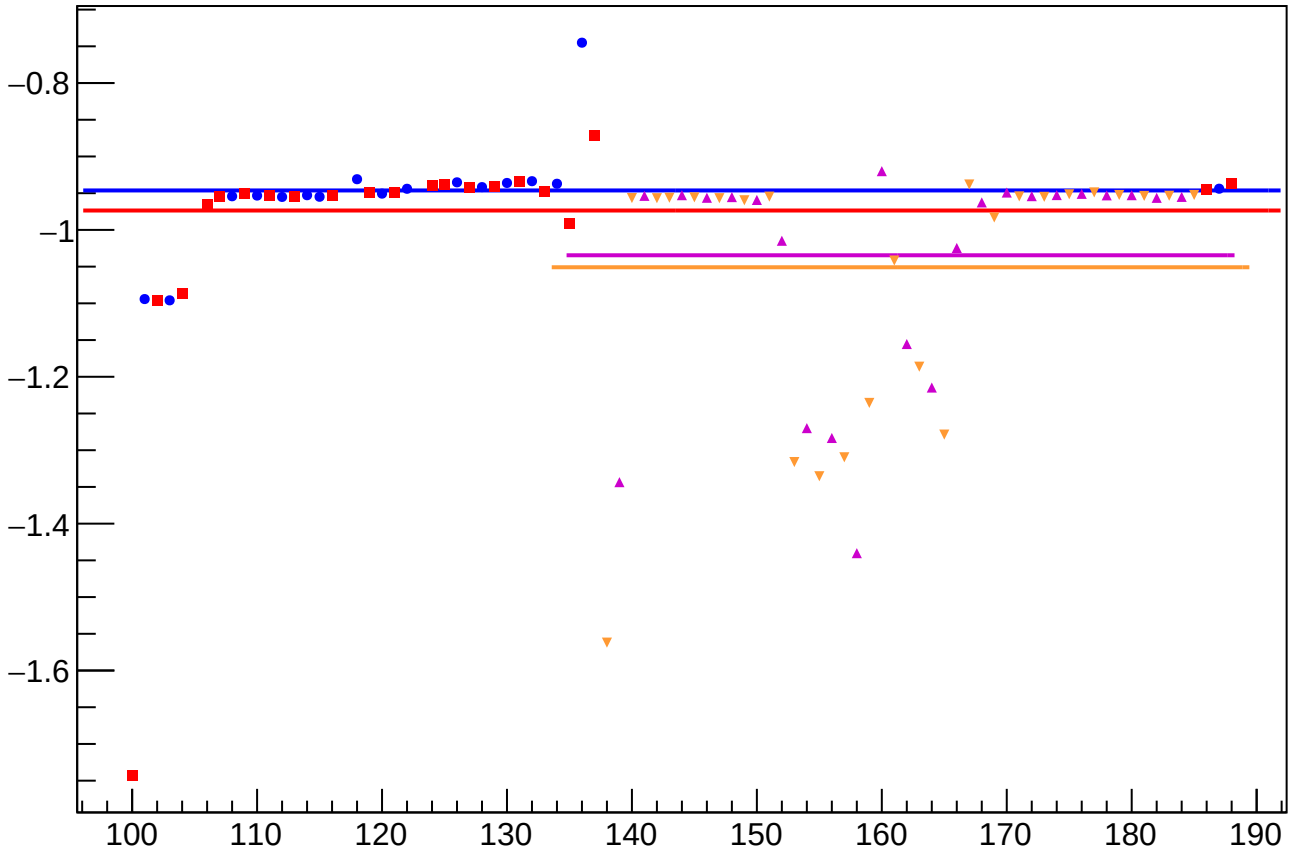
Right Out: 0.004+/-0.000 χ^2/NDF: 1145617.8/20

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 2709798.9/41

All: 0.003+/-0.000 χ^2/NDF: 5490559.2/85

- sign 0.003+/-0.000 χ^2/NDF: 2752582.1/43



Right In: -0.946+/-0.000 χ^2/NDF: 404514565.7/16

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.974+/-0.000 χ^2/NDF: 471779079.9/20

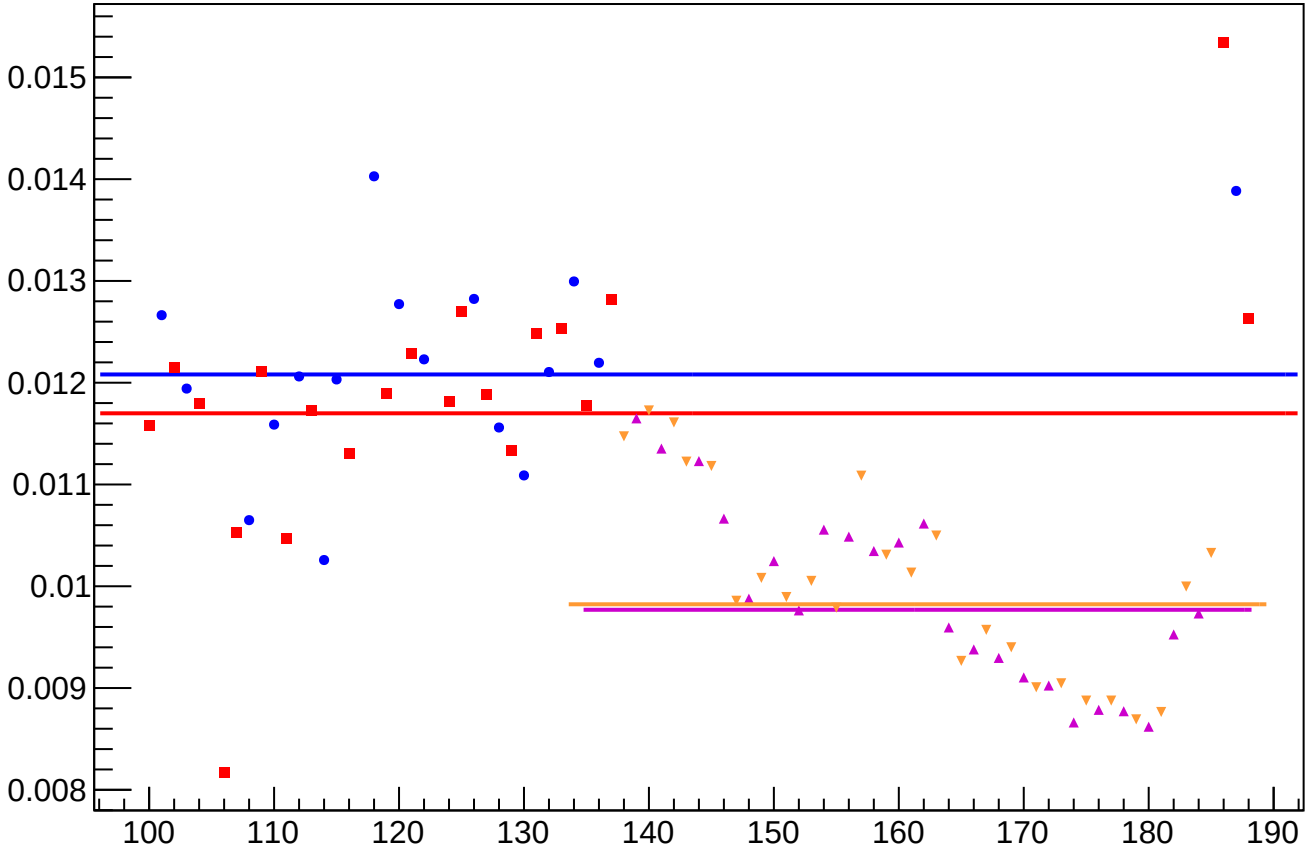
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.030+/-0.000 χ^2/NDF: 5908230009.2/41

All: -1.024+/-0.000 χ^2/NDF: 10491001118.5/

- sign -1.019+/-0.000 χ^2/NDF: 4569110729.4/43

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 68393.8/16

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

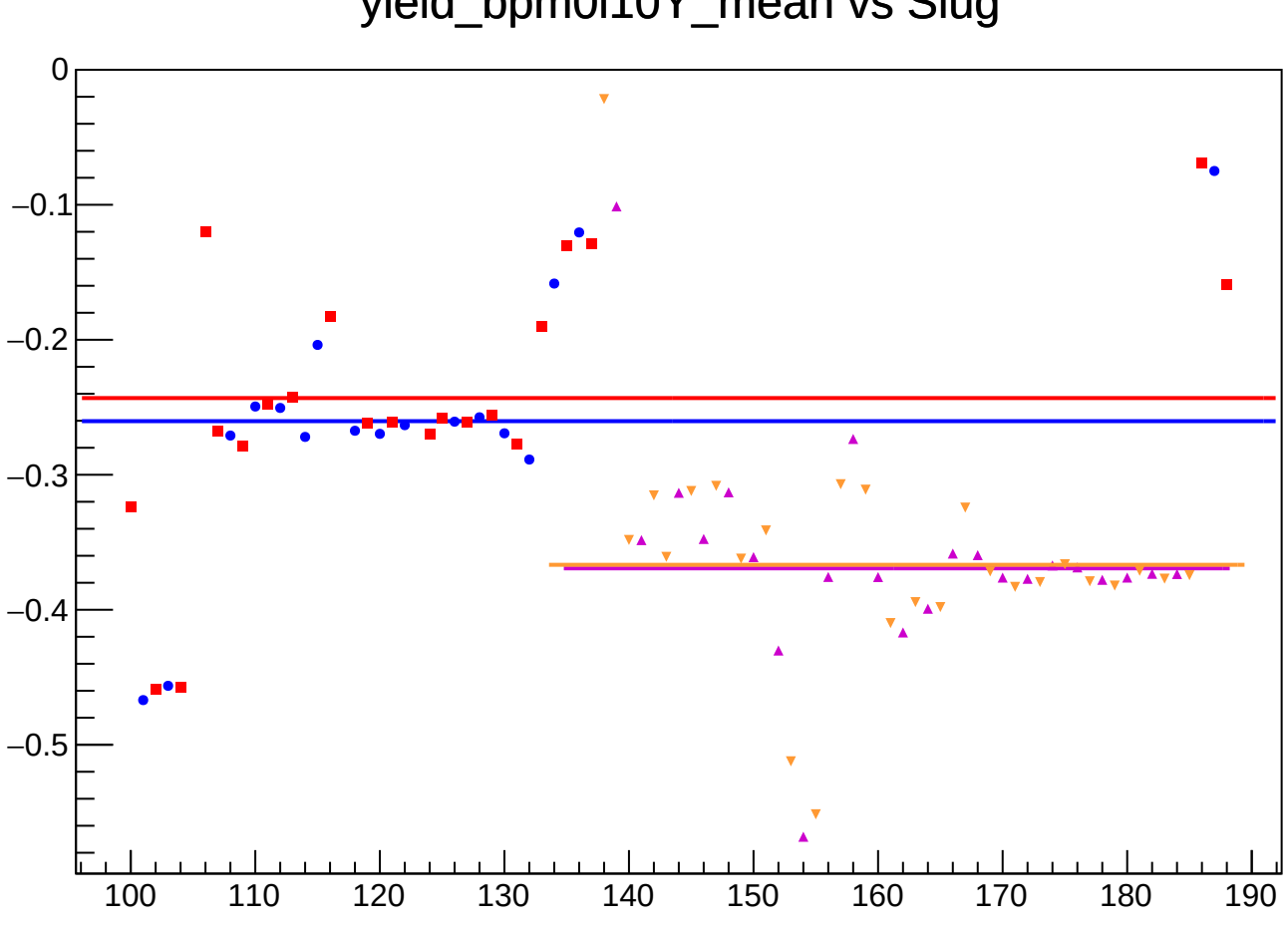
Right Out: 0.012+/-0.000 χ^2/NDF: 207978.6/20

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 755307.3/41

All: 0.010+/-0.000 χ^2/NDF: 1589442.6/85

- sign 0.010+/-0.000 χ^2/NDF: 834006.7/43



Right In: -0.260+/-0.000 χ^2/NDF: 6396826063.9/16

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.243+/-0.000 χ^2/NDF: 6350521300.4/20

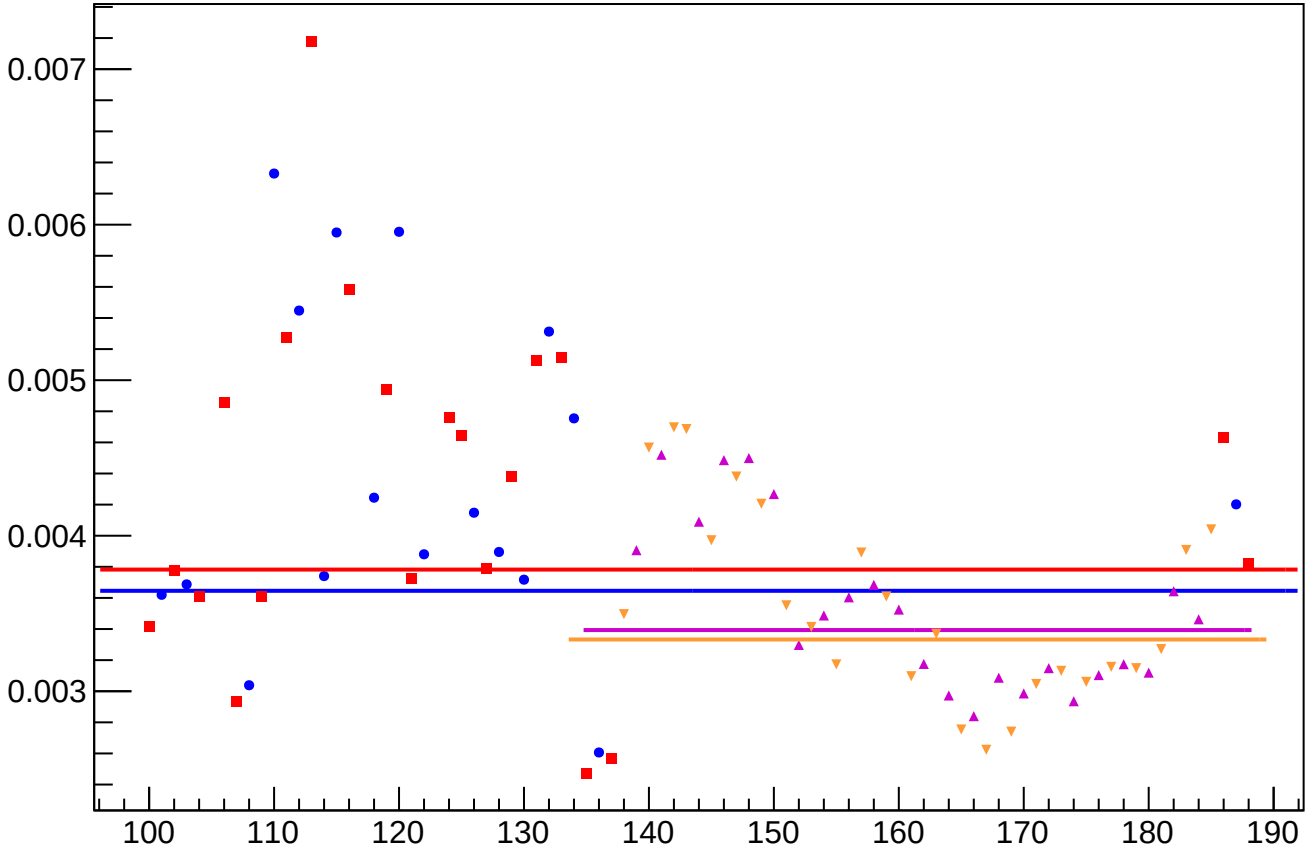
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.343+/-0.000 χ^2/NDF: 22272326523.0/41

All: -0.340+/-0.000 χ^2/NDF: 42214068896.5/

- sign -0.337+/-0.000 χ^2/NDF: 19895749934.7/43

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 733828.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 921004.0/20

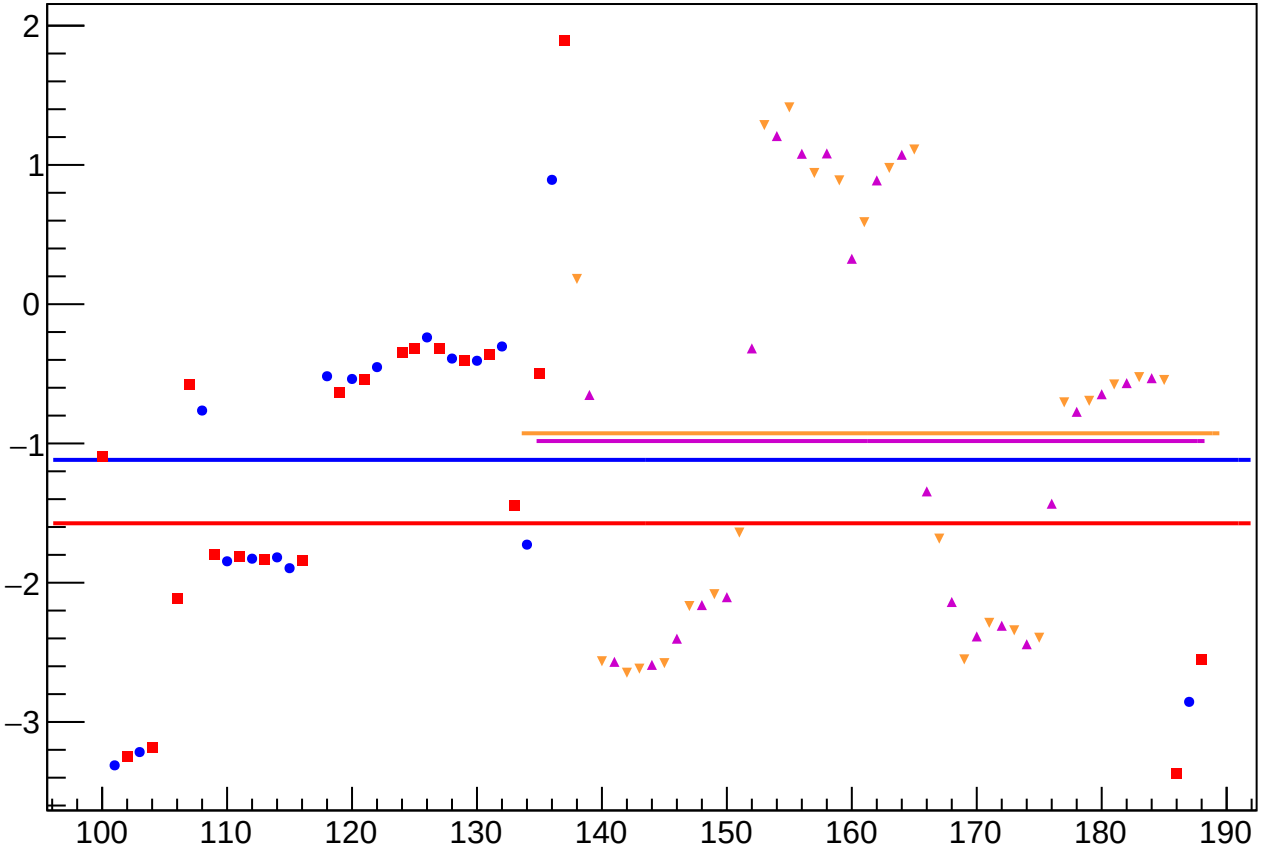
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1659558.1/41

All: 0.003+/-0.000 χ^2/NDF: 3344720.3/85

- sign 0.003+/-0.000 χ^2/NDF: 1668008.0/43

yield_bpm0r03X_mean vs Slug



Right In: -1.118+/-0.000 χ^2/NDF: 2519904853.0/16

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.573+/-0.000 χ^2/NDF: 2448783328.4/20

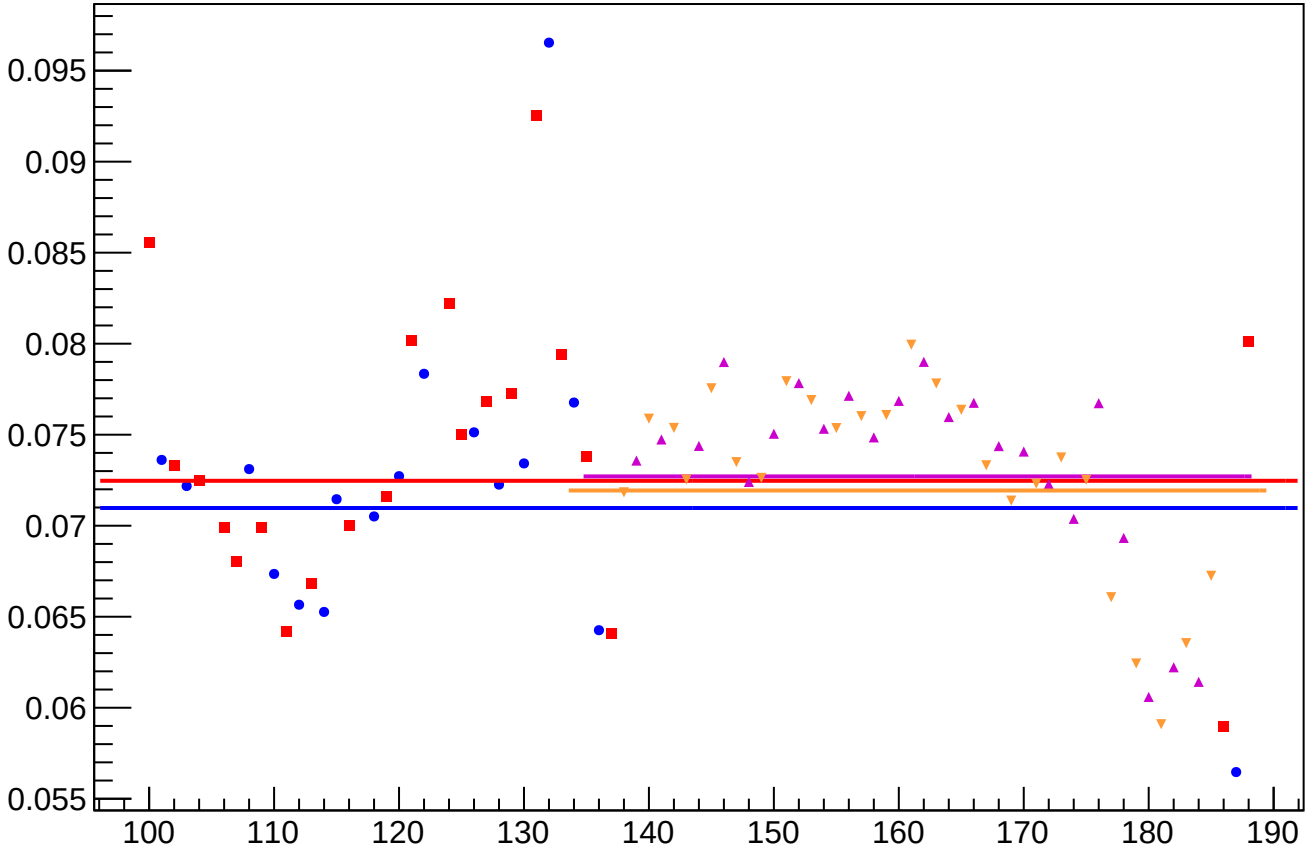
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -0.980+/-0.000 χ^2/NDF: 9805999893.8/41

All: -1.077+/-0.000 χ^2/NDF: 18653538778.2/

- sign -1.175+/-0.000 χ^2/NDF: 8752008643.7/43

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF: 125338.3/16

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

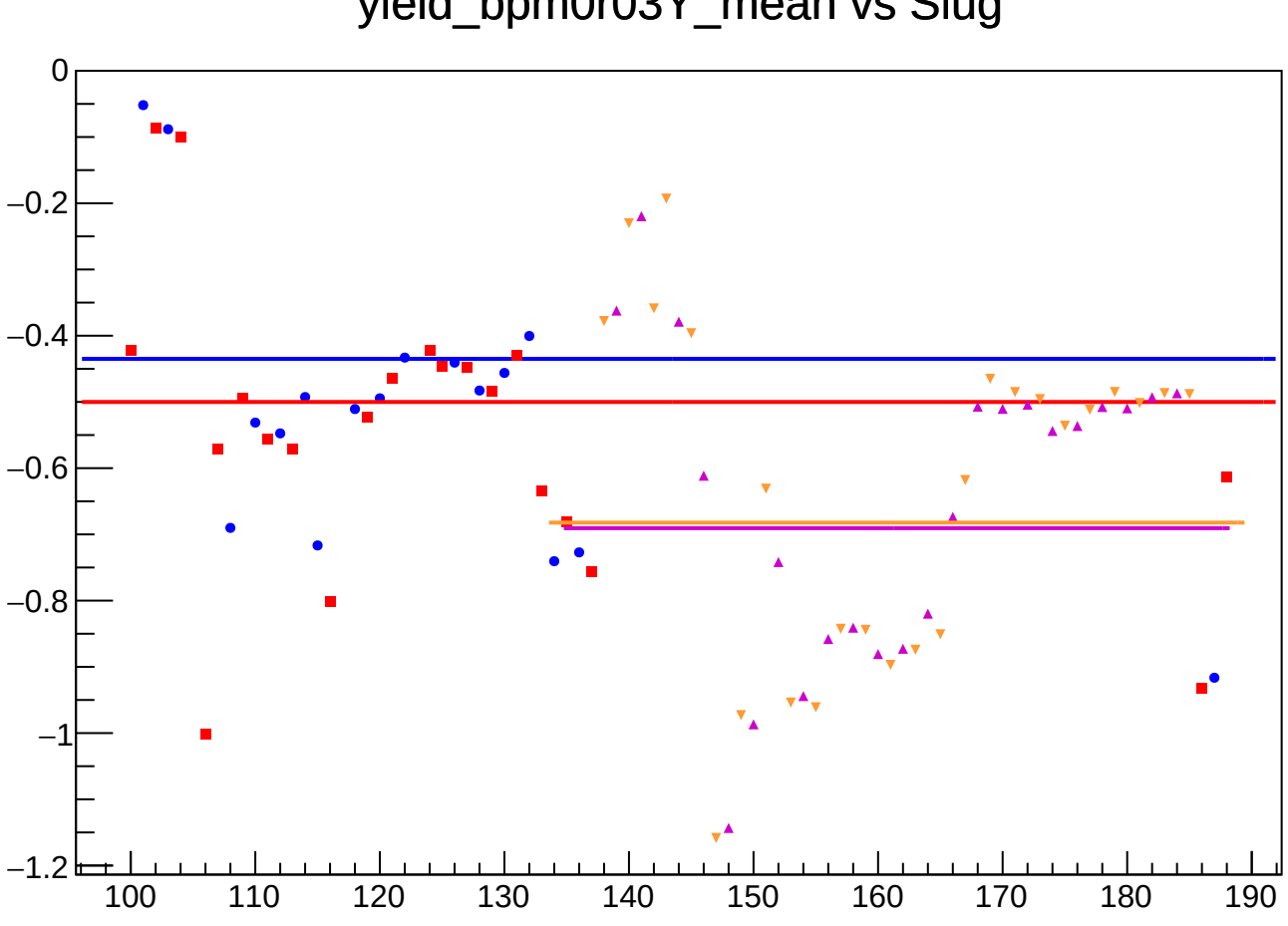
Right Out: 0.072+/-0.000 χ^2/NDF: 156186.2/20

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.072+/-0.000 χ^2/NDF: 362769.1/41

All: 0.072+/-0.000 χ^2/NDF: 720803.7/85

- sign 0.073+/-0.000 χ^2/NDF: 353323.6/43



Right In: -0.435+/-0.000 χ^2/NDF: 3434483288.9/16

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.500+/-0.000 χ^2/NDF: 4205179341.5/20

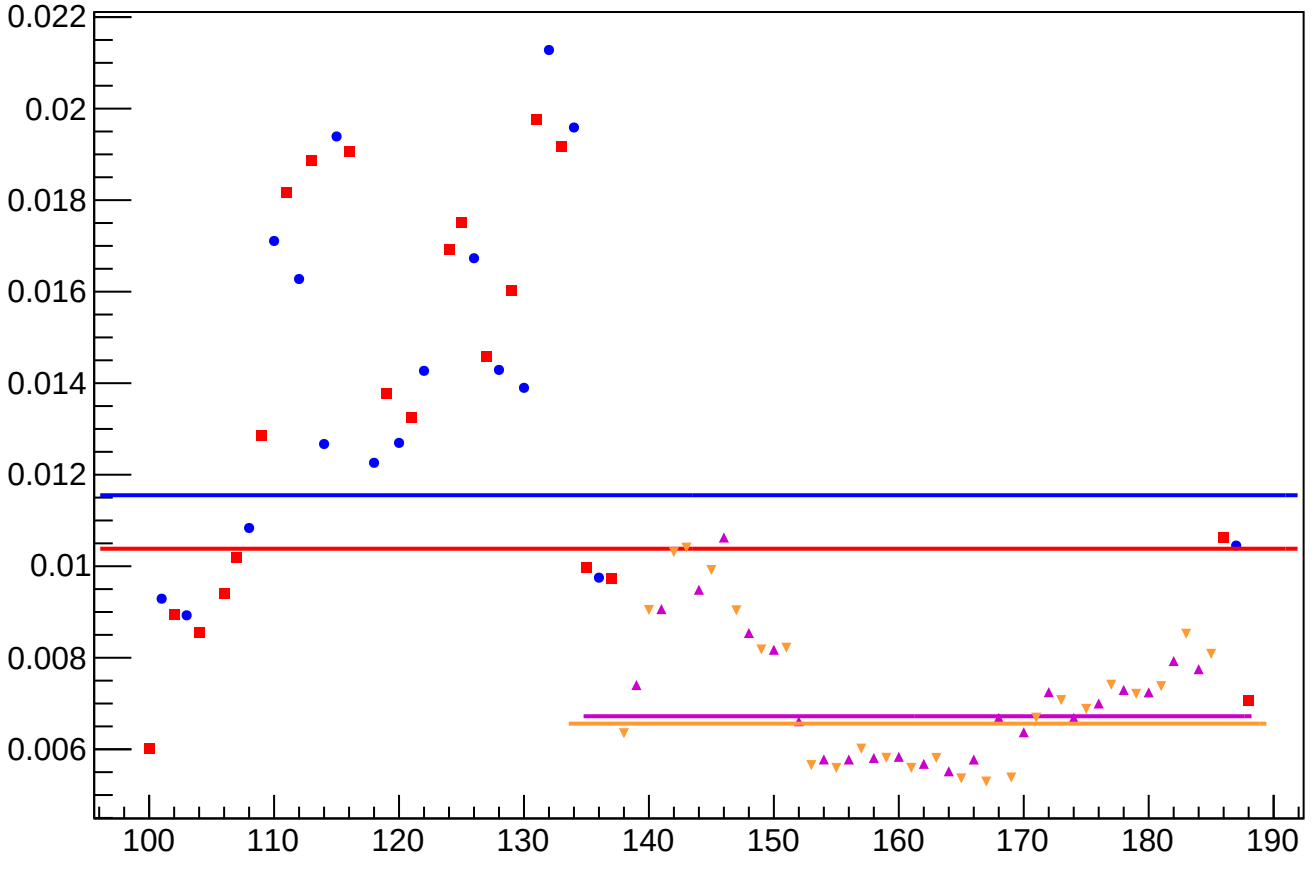
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.657+/-0.000 χ^2/NDF: 27780374402.0/41

All: -0.660+/-0.000 χ^2/NDF: 50843717676.5/

- sign -0.662+/-0.000 χ^2/NDF: 23057406214.7/43

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 790041.1/16

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1618917.9/20

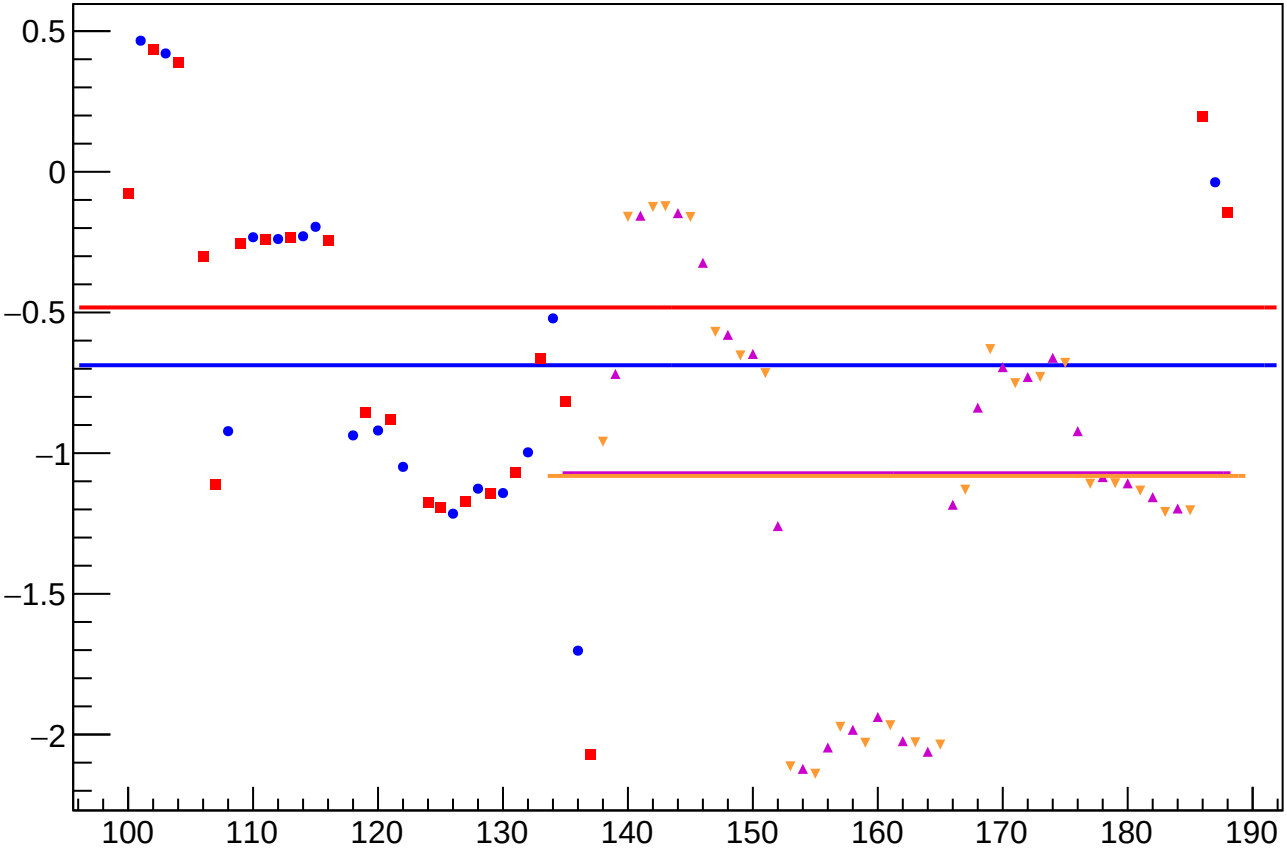
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4249667.0/41

All: 0.007+/-0.000 χ^2/NDF: 8312004.7/85

- sign 0.007+/-0.000 χ^2/NDF: 4044800.7/43

yield_bpm0r05X_mean vs Slug



Right In: -0.688+/-0.000 χ^2/NDF: 456555306.4/16

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.482+/-0.000 χ^2/NDF: 406376742.1/20

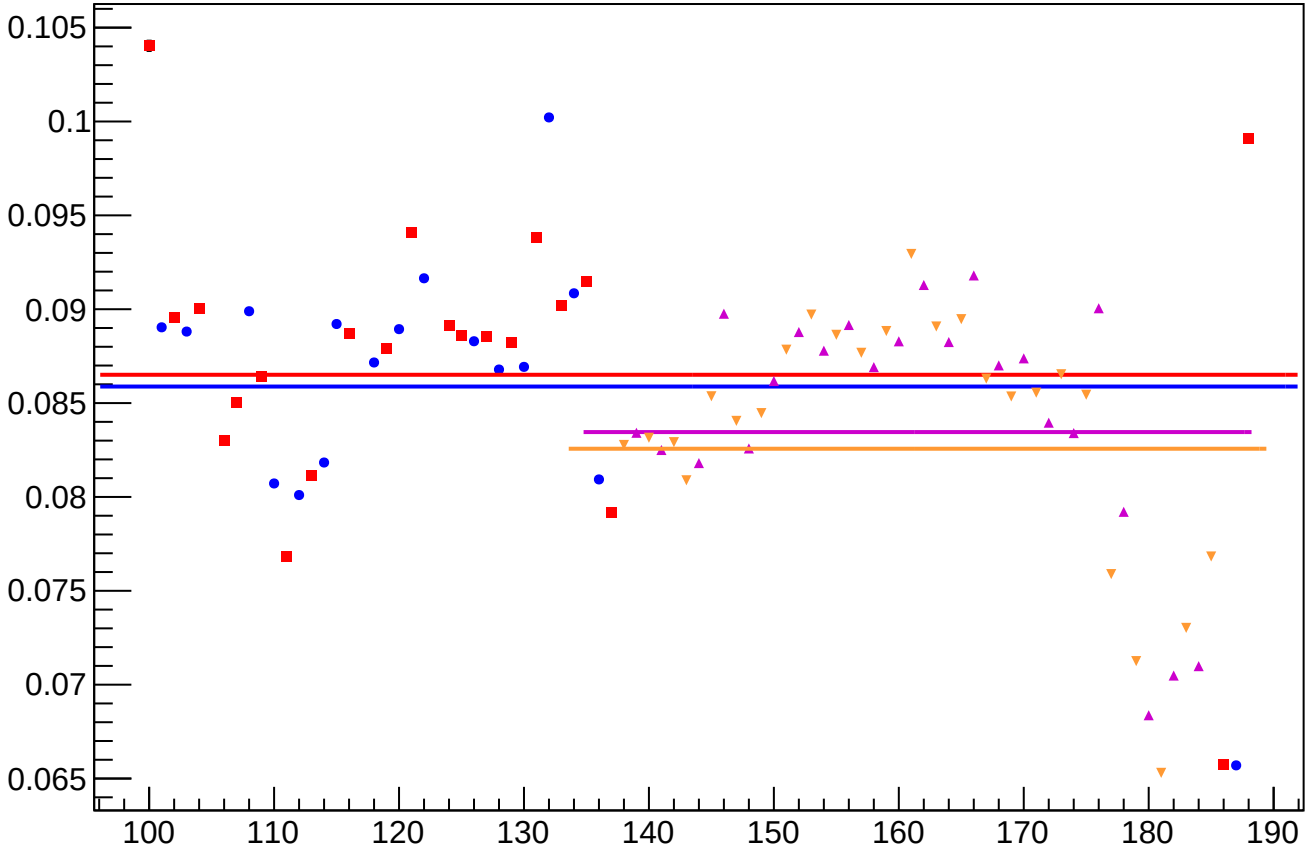
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.978+/-0.000 χ^2/NDF: 1722488264.5/41

All: -0.933+/-0.000 χ^2/NDF: 3399714852.6/8

- sign -0.889+/-0.000 χ^2/NDF: 1662161701.2/43

yield_bpm0r05X_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 80417.1/16

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.087+/-0.000 χ^2/NDF: 159697.0/20

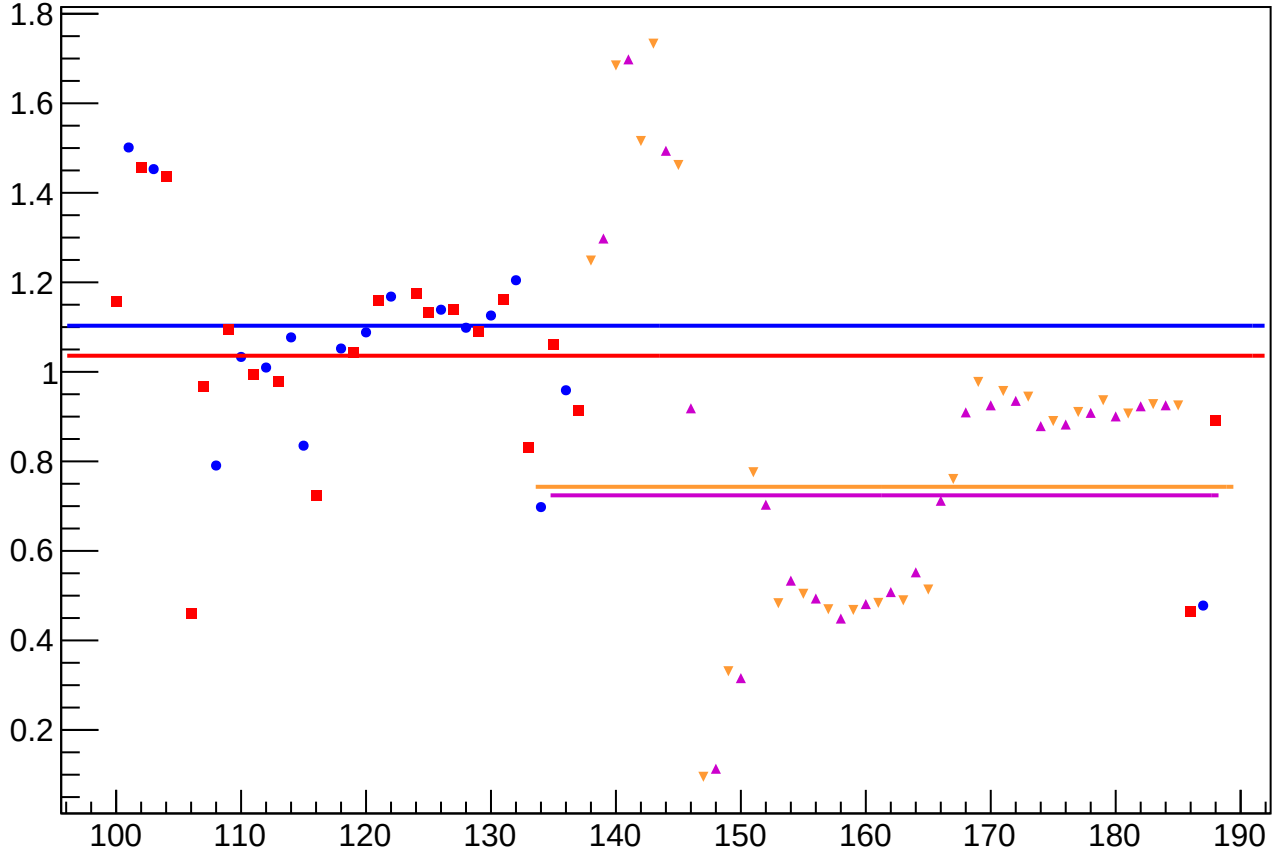
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.083+/-0.000 χ^2/NDF: 387674.4/41

All: 0.084+/-0.000 χ^2/NDF: 804342.1/85

- sign 0.084+/-0.000 χ^2/NDF: 413131.5/43

yield_bpm0r05Y_mean vs Slug



Right In: 1.103+/-0.000 χ^2/NDF: 1807714005.2/16

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.036+/-0.000 χ^2/NDF: 2533832106.2/20

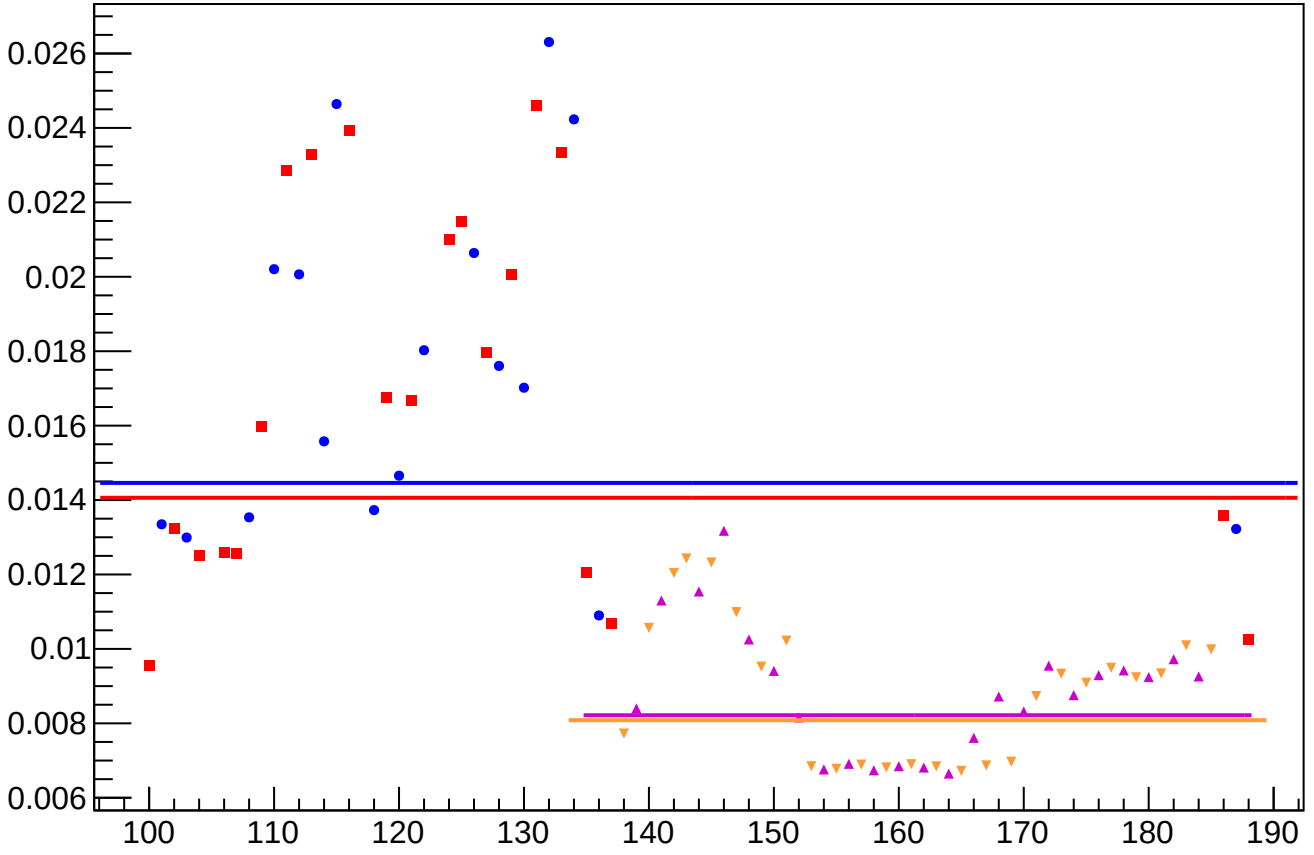
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.778+/-0.000 χ^2/NDF: 37811327207.2/41

All: 0.771+/-0.000 χ^2/NDF: 69096258846.9/8

- sign 0.764+/-0.000 χ^2/NDF: 31254459608.5/43

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 713115.5/16

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.014+/-0.000 χ^2/NDF: 1149226.0/20

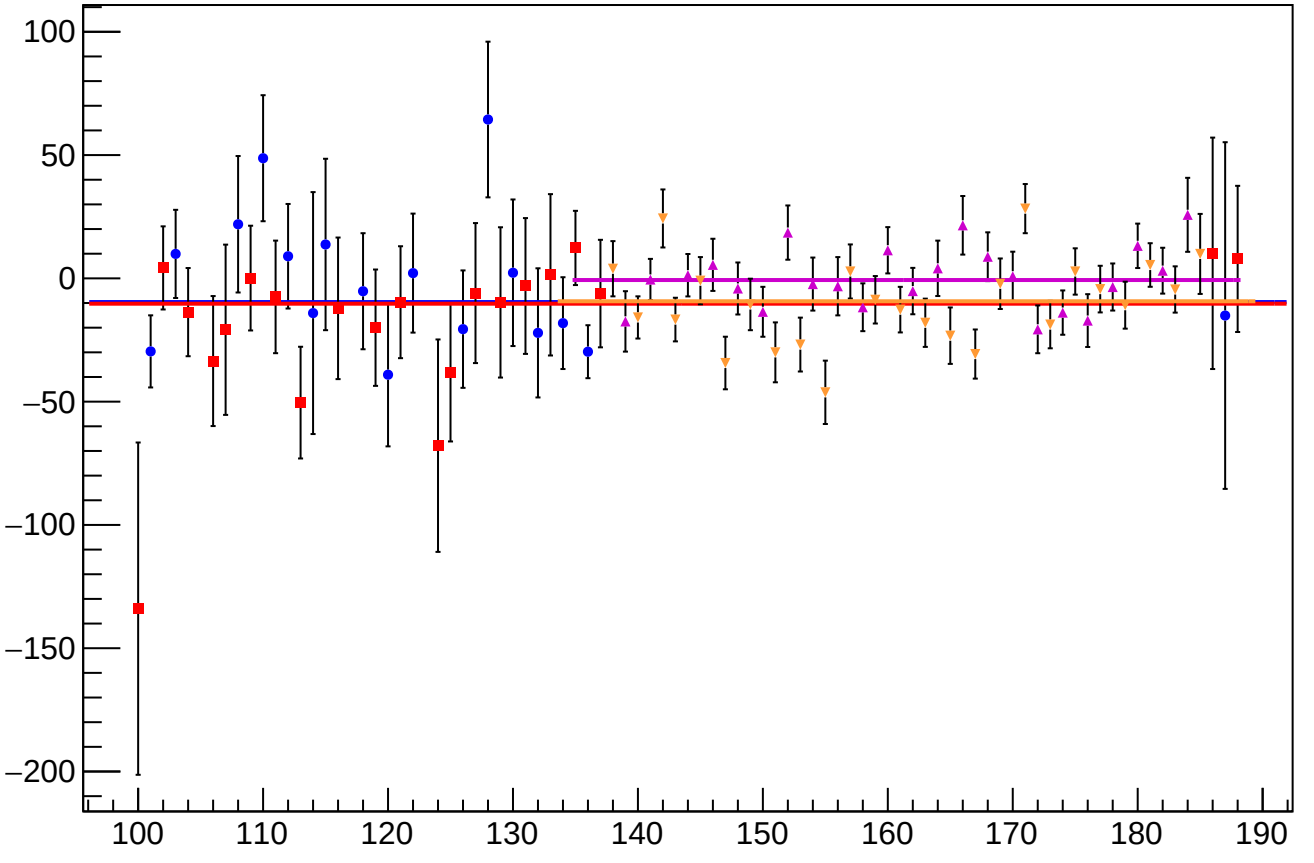
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4268708.9/41

All: 0.009+/-0.000 χ^2/NDF: 8716832.8/85

- sign 0.009+/-0.000 χ^2/NDF: 4428903.6/43

diff_bpm4aX_mean vs Slug



Right In: -9.612+/-5.276 χ^2/NDF: 21.9/16

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -10.273+/-5.370 χ^2/NDF: 14.5/20

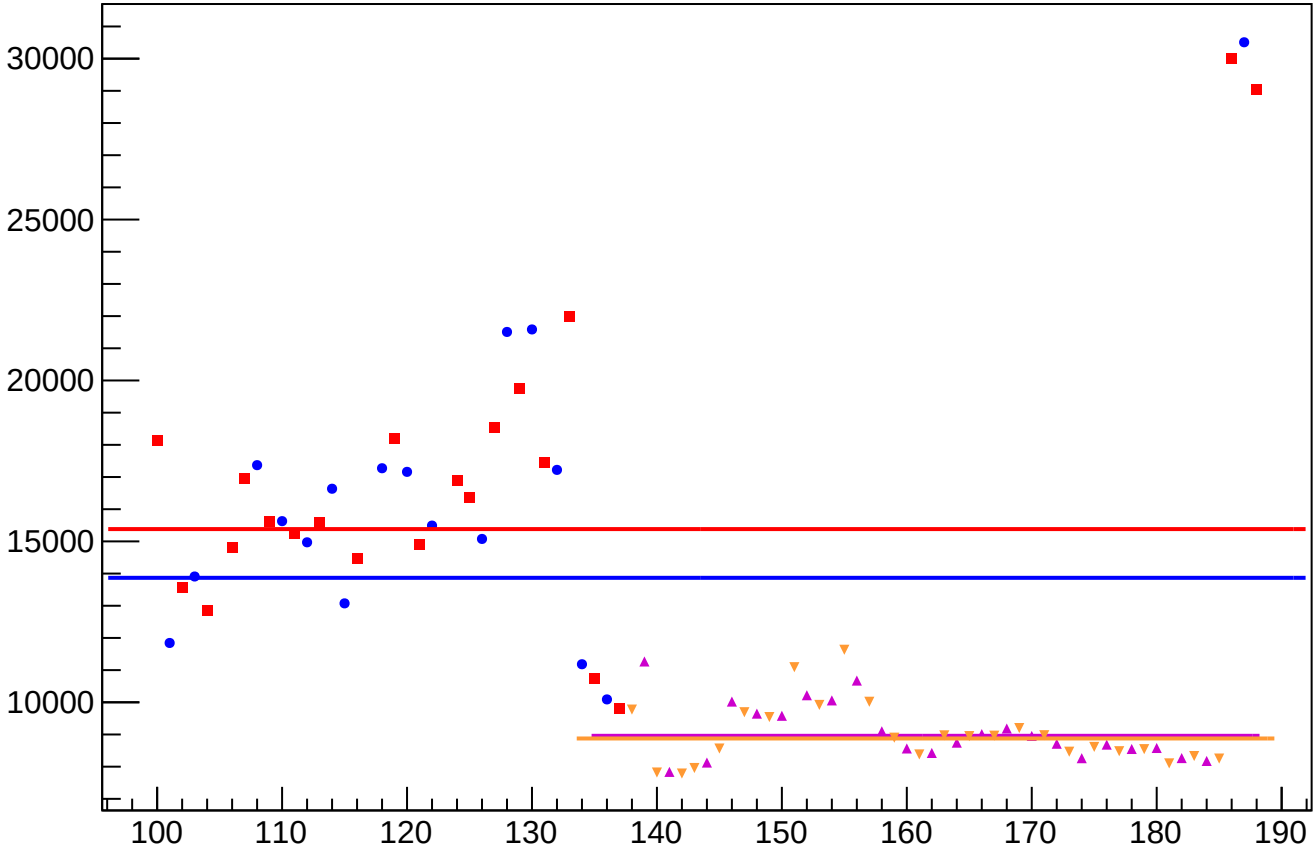
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.333+/-1.895 χ^2/NDF: 83.1/41

All: -5.766+/-1.362 χ^2/NDF: 137.0/85

- sign -1.954+/-1.959 χ^2/NDF: 46.6/43

diff_bpm4aX_rms vs Slug



Right In: 13868.139+/-3.731 χ^2/NDF: 860288.6/16

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 15382.380+/-3.797 χ^2/NDF: 1205483.7/20

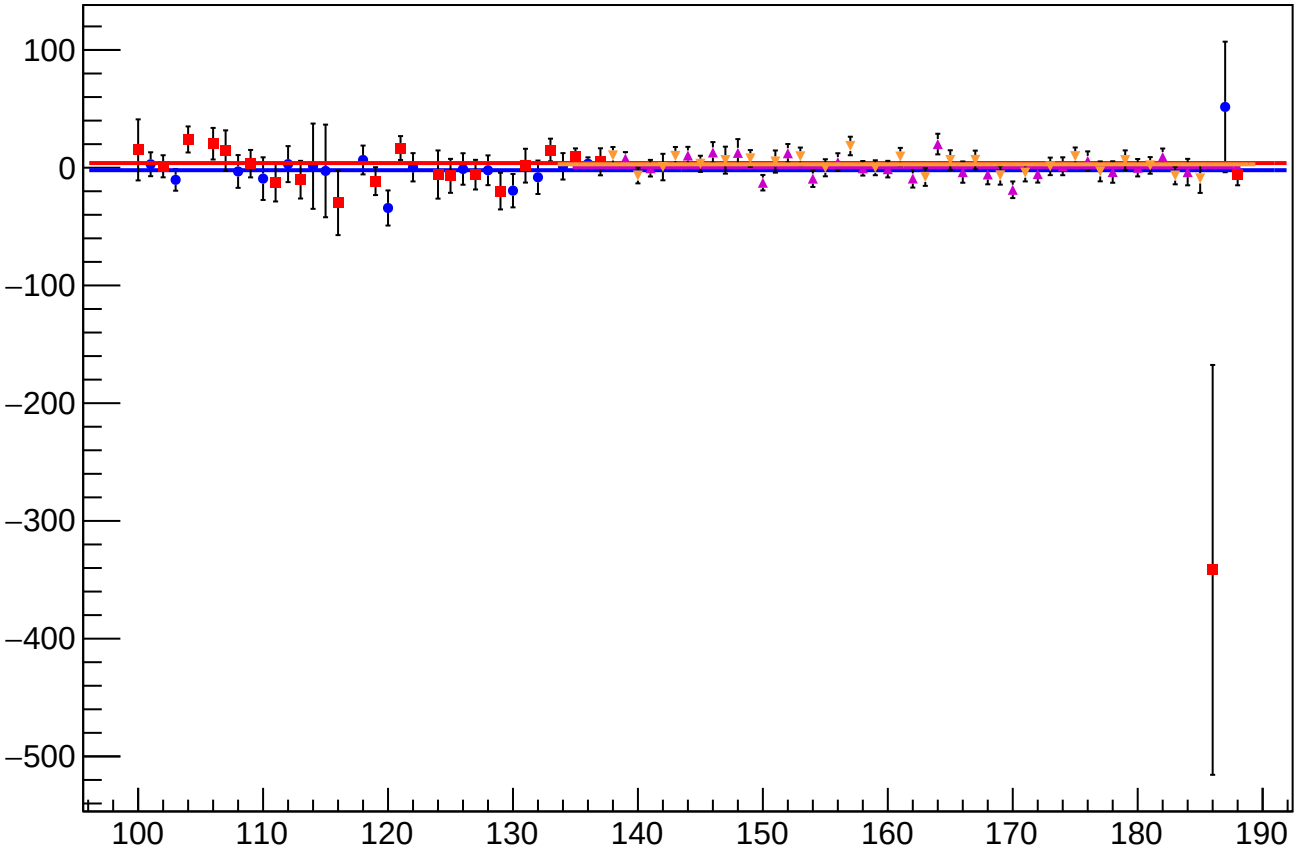
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9519.788+/-1.340 χ^2/NDF: 2767176.1/41

All: 9661.915+/-0.963 χ^2/NDF: 6779022.0/85

- sign 9813.814+/-1.385 χ^2/NDF: 3988573.5/43

diff_bpm4aY_mean vs Slug



Right In: -2.118+/-2.918 χ^2/NDF: 10.2/16

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

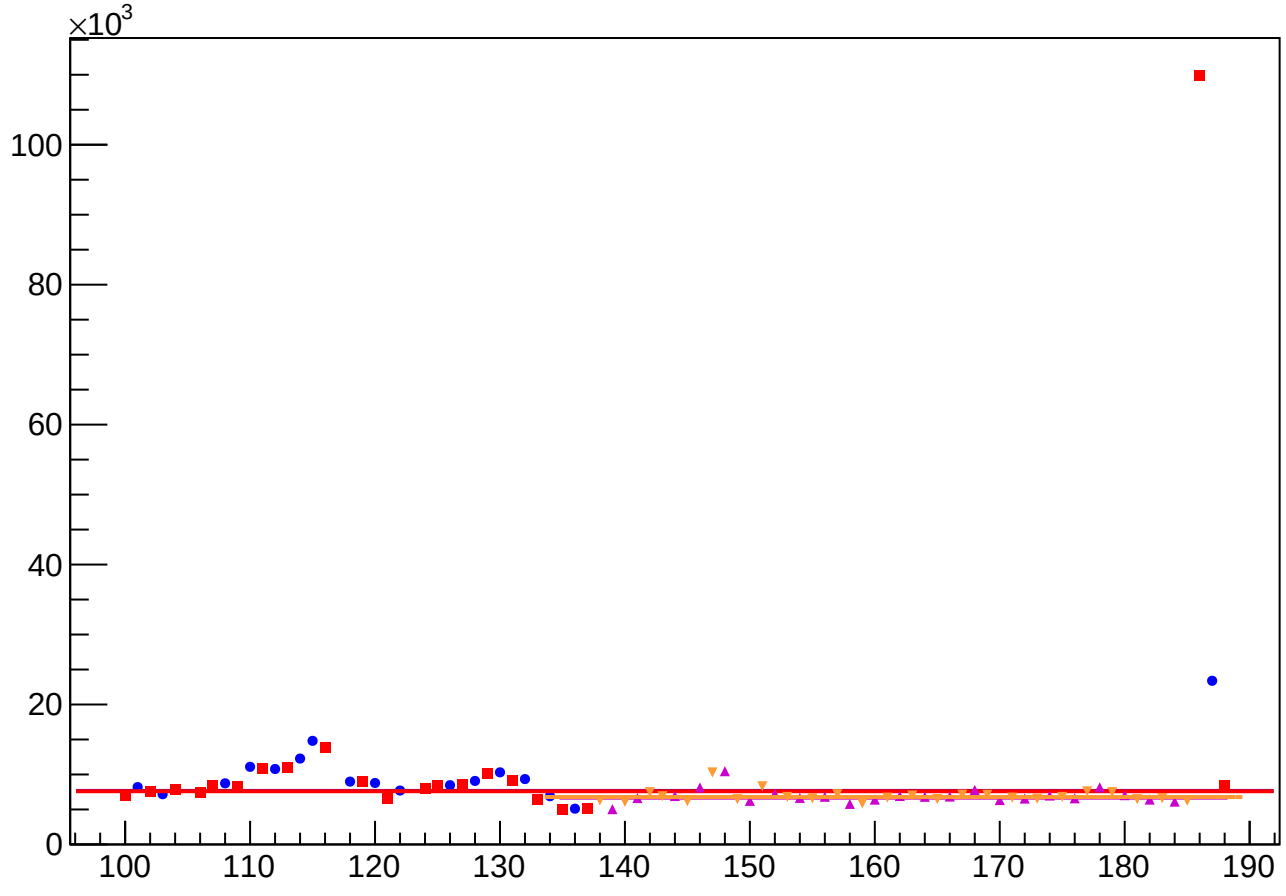
Right Out: 3.948+/-2.715 χ^2/NDF: 22.7/20

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.775+/-1.371 χ^2/NDF: 32.0/41

All: 1.557+/-0.968 χ^2/NDF: 88.7/85

- sign 1.340+/-1.366 χ^2/NDF: 56.7/43



Right In: 7649.432+/-2.063 χ^2/NDF: 1053197.9/16

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

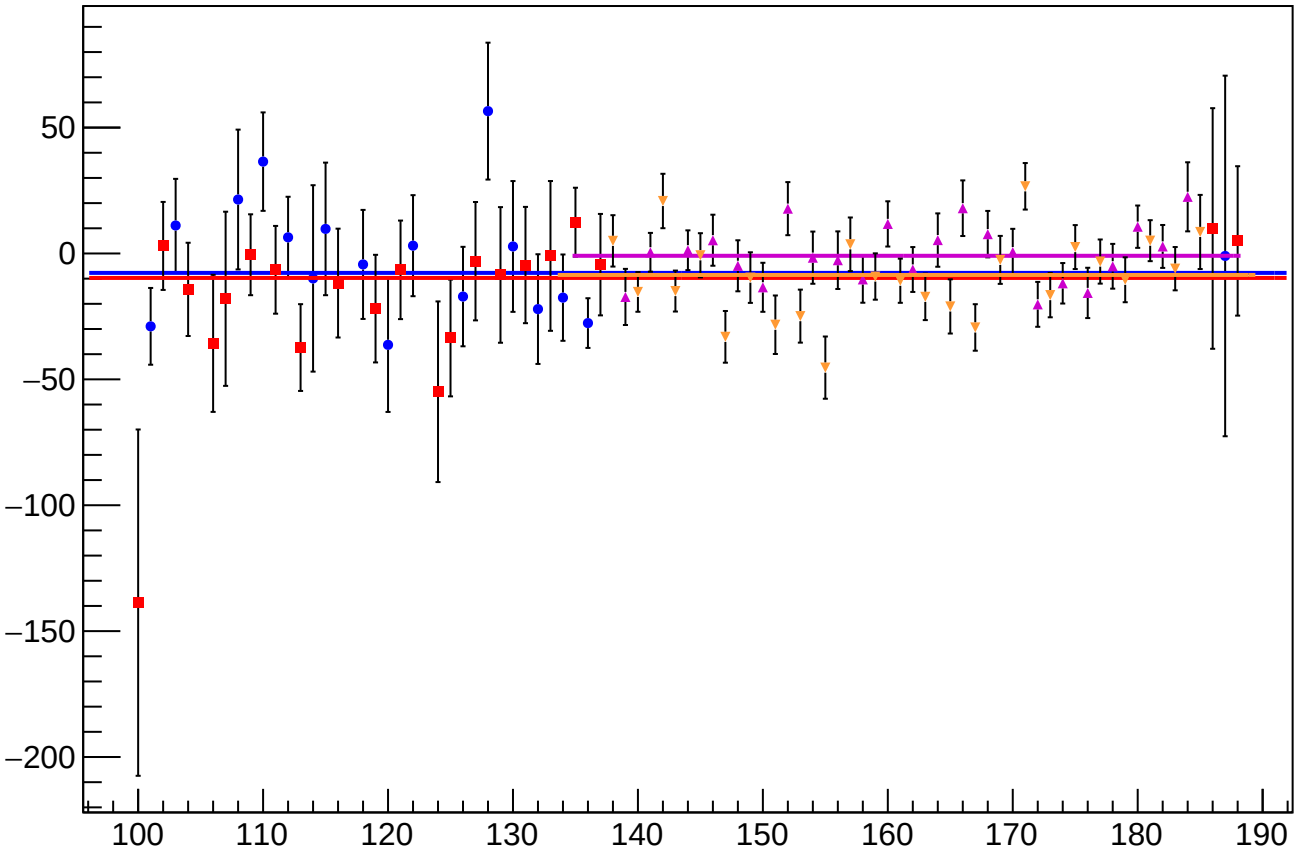
Right Out: 7608.515+/-1.920 χ^2/NDF: 1534321.3/20

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6969.514+/-0.970 χ^2/NDF: 1592738.0/41

All: 6945.870+/-0.684 χ^2/NDF: 3919637.0/85

- sign 6922.396+/-0.966 χ^2/NDF: 2325714.4/43



Right In: -7.711+/-4.738 χ^2/NDF: 22.7/16

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: -9.715+/-4.753 χ^2/NDF: 14.3/20

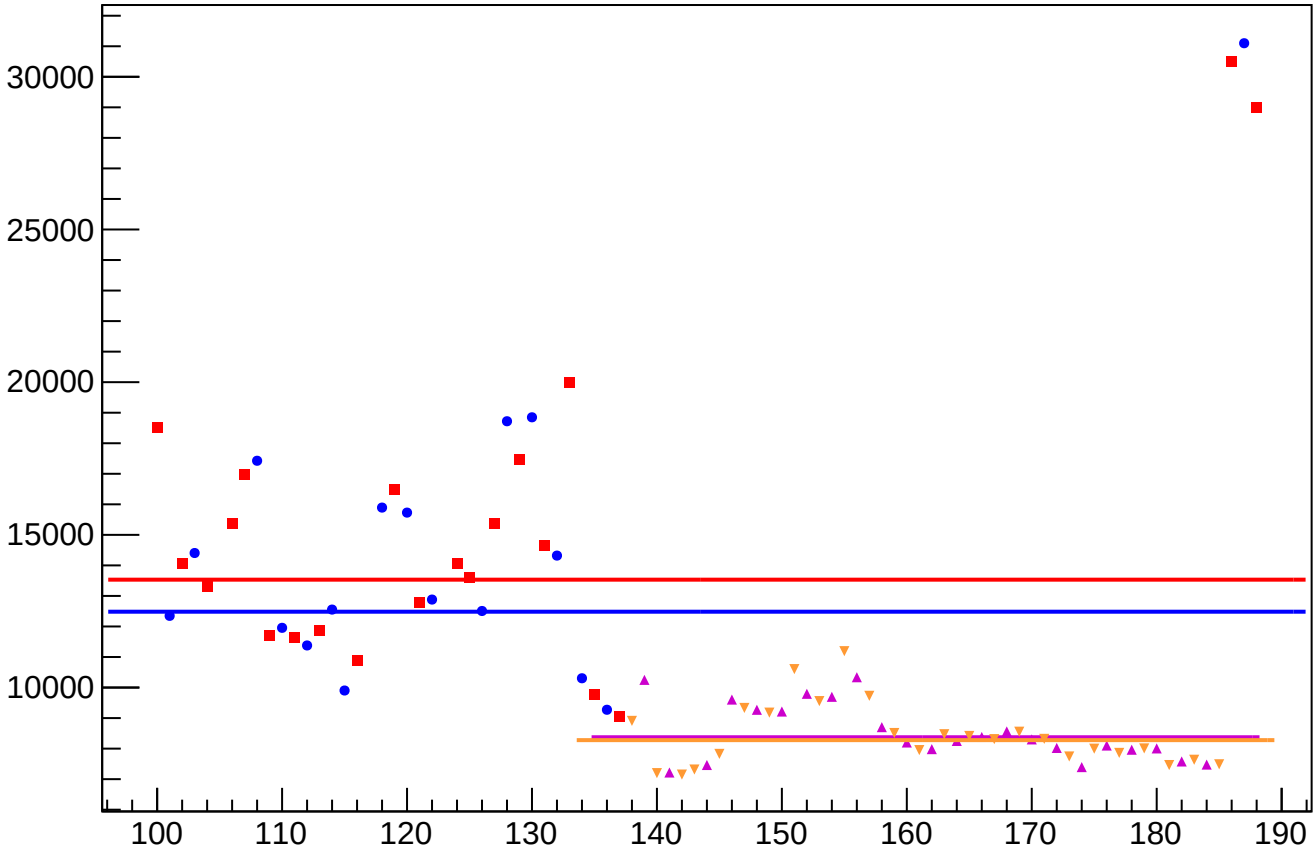
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.422+/-1.761 χ^2/NDF: 84.6/41

All: -5.416+/-1.265 χ^2/NDF: 137.0/85

- sign -2.208+/-1.819 χ^2/NDF: 46.3/43

diff_bpm4eX_rms vs Slug



Right In: 12483.609+/-3.350 χ^2/NDF: 814061.1/16

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

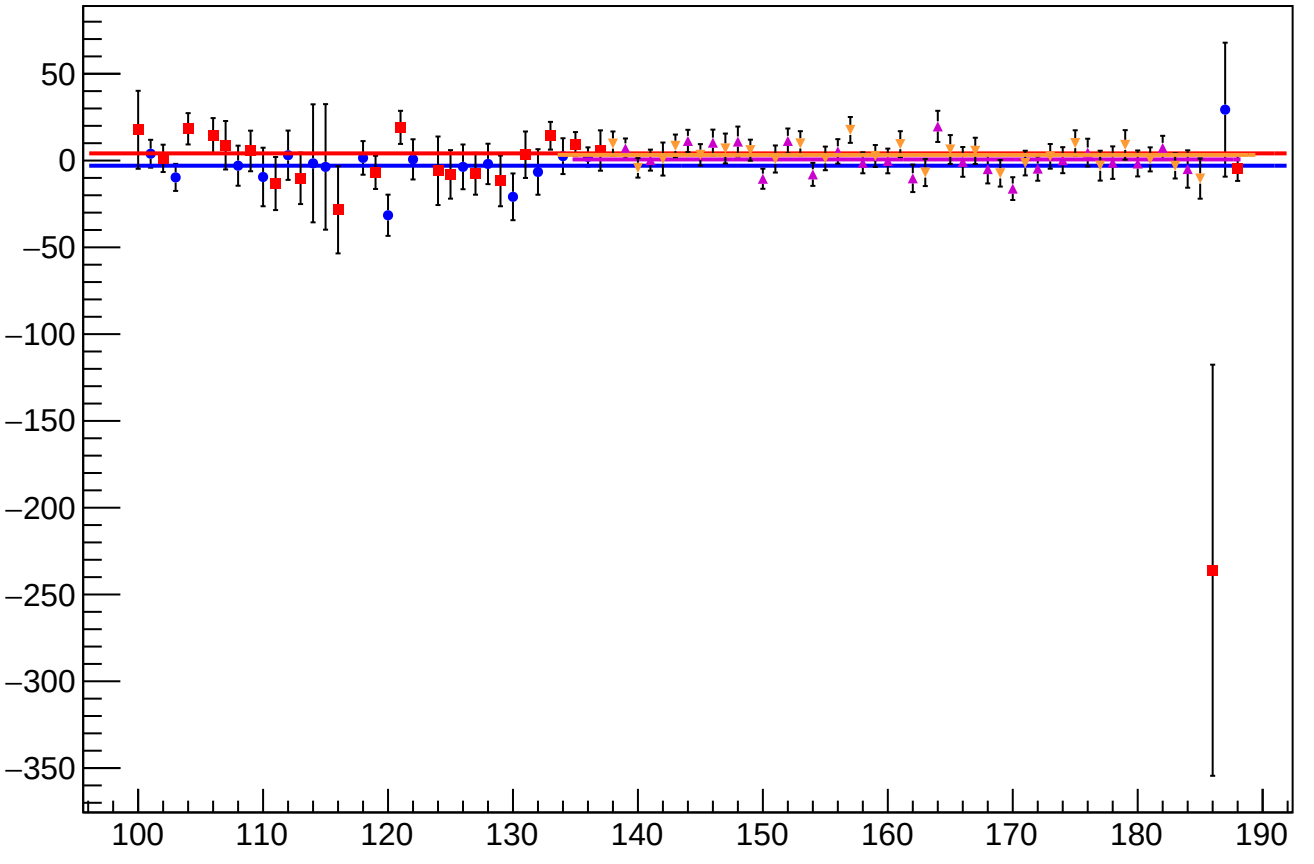
Right Out: 13532.747+/-3.361 χ^2/NDF: 1379980.0/20

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 8858.704+/-1.245 χ^2/NDF: 2627587.6/41

All: 8989.075+/-0.895 χ^2/NDF: 6435412.5/85

- sign 9128.208+/-1.286 χ^2/NDF: 3785159.9/43



Right In: -2.970+/-2.649 χ^2/NDF: 11.6/16

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 4.134+/-2.412 χ^2/NDF: 22.5/20

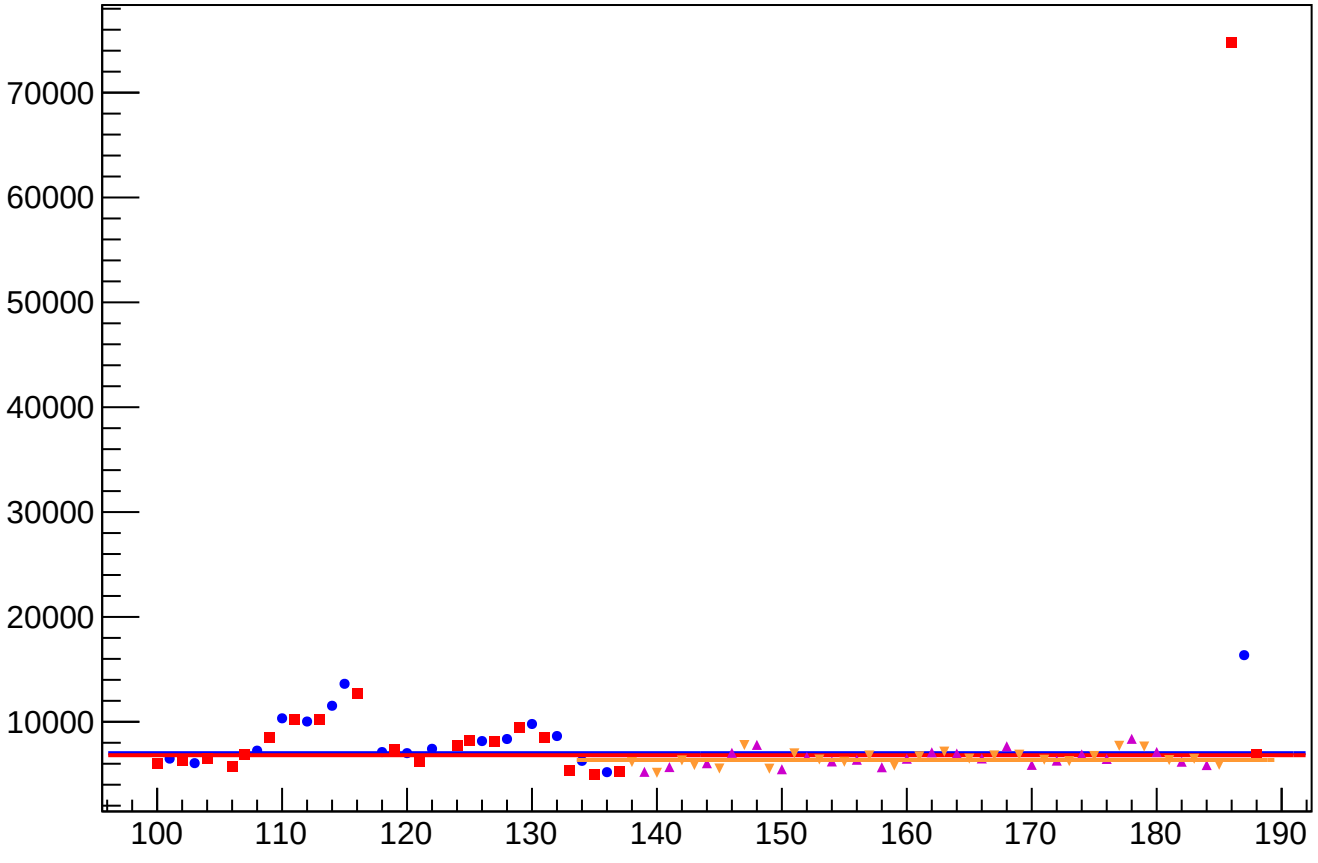
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.809+/-1.277 χ^2/NDF: 33.5/41

All: 1.713+/-0.902 χ^2/NDF: 88.3/85

- sign 1.618+/-1.273 χ^2/NDF: 54.8/43

diff_bpm4eY_rms vs Slug



Right In: 7005.865+/-1.873 χ^2/NDF: 814309.4/16

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 6814.175+/-1.705 χ^2/NDF: 1457887.8/20

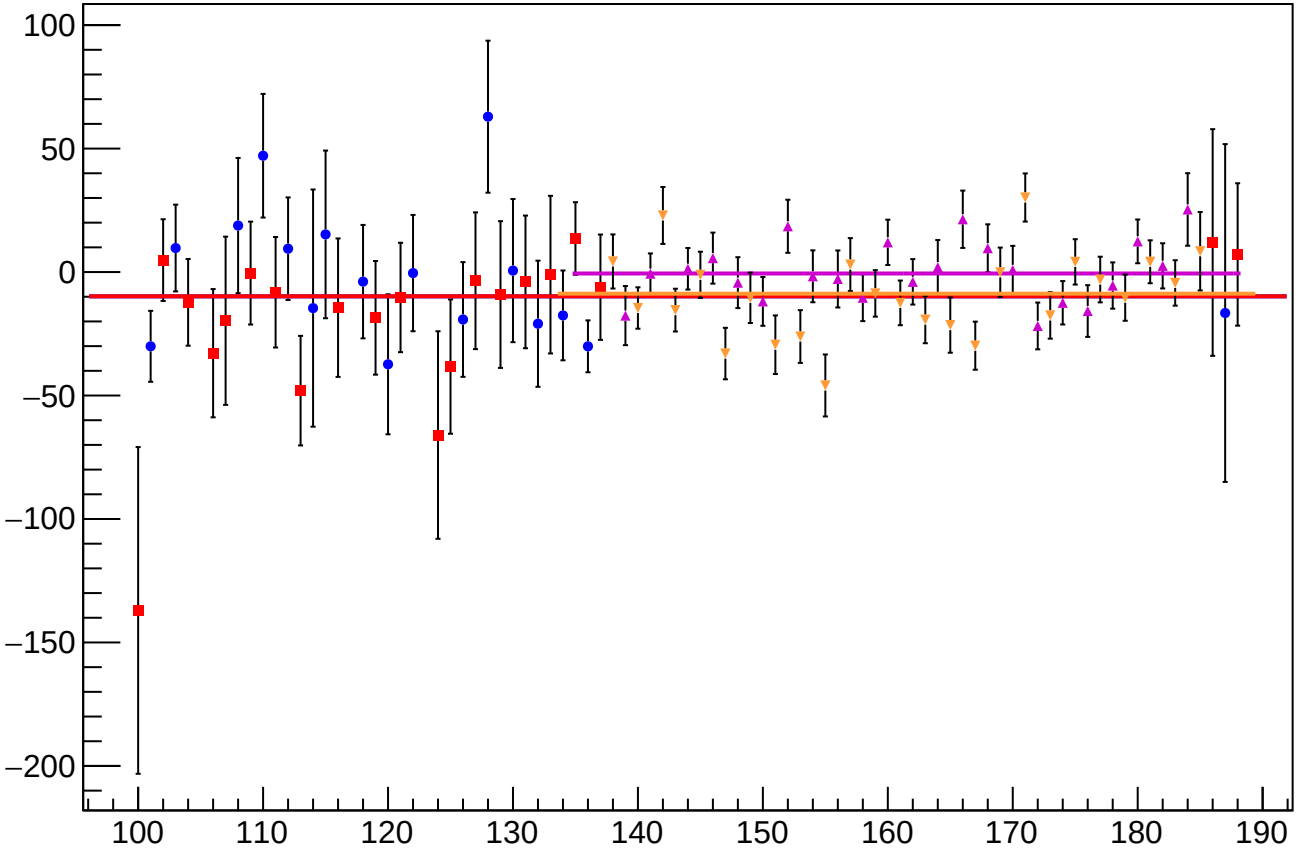
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6508.162+/-0.903 χ^2/NDF: 1320357.6/41

All: 6497.306+/-0.638 χ^2/NDF: 3303582.1/85

- sign 6486.509+/-0.900 χ^2/NDF: 1982936.1/43

diff_bpm4acX_mean vs Slug



Right In: -9.849+/-5.163 χ^2/NDF: 22.1/16

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -9.814+/-5.254 χ^2/NDF: 14.9/20

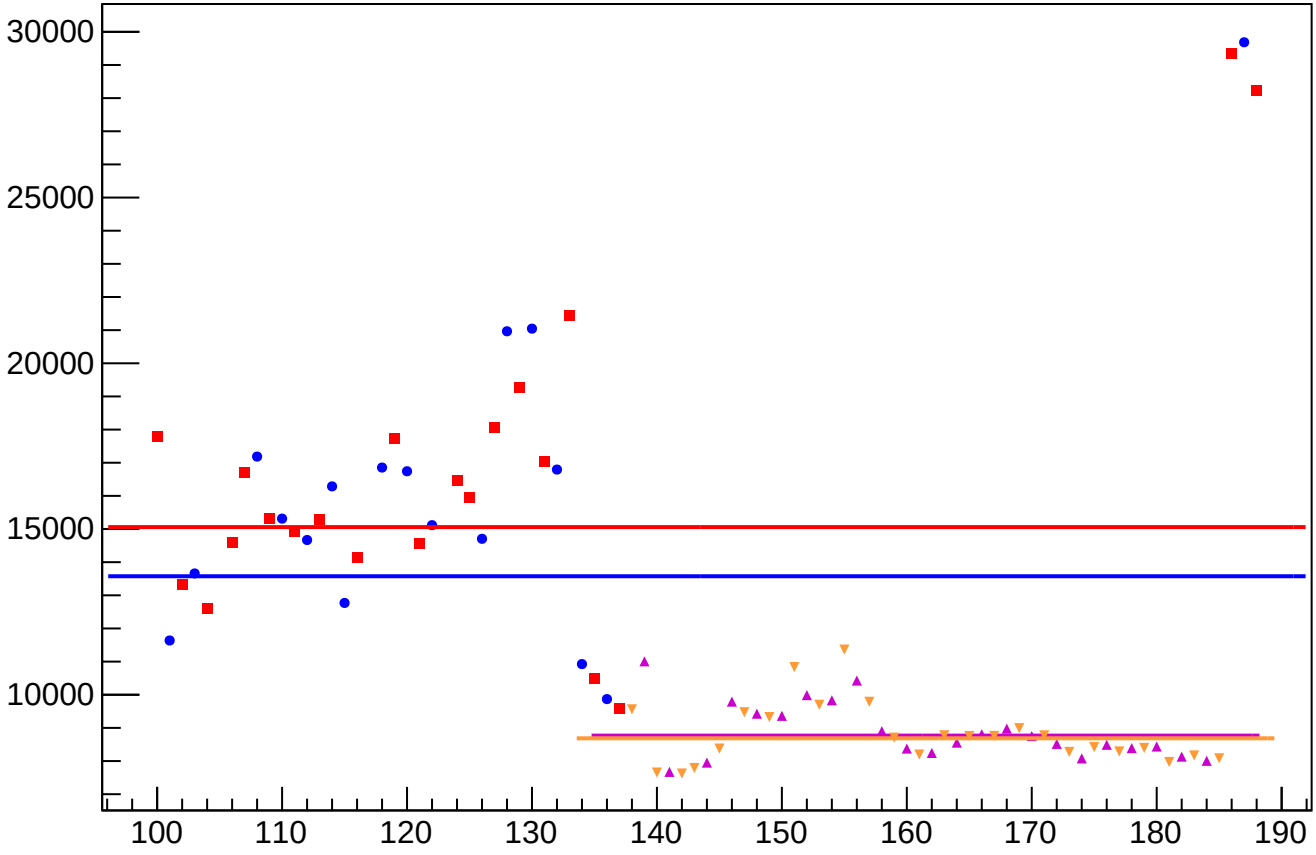
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -8.906+/-1.854 χ^2/NDF: 84.8/41

All: -5.475+/-1.333 χ^2/NDF: 139.0/85

- sign -1.808+/-1.917 χ^2/NDF: 47.2/43

diff_bpm4acX_rms vs Slug



Right In: 13575.204+/-3.651 χ^2/NDF: 855284.4/16

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 15058.123+/-3.715 χ^2/NDF: 1194045.6/20

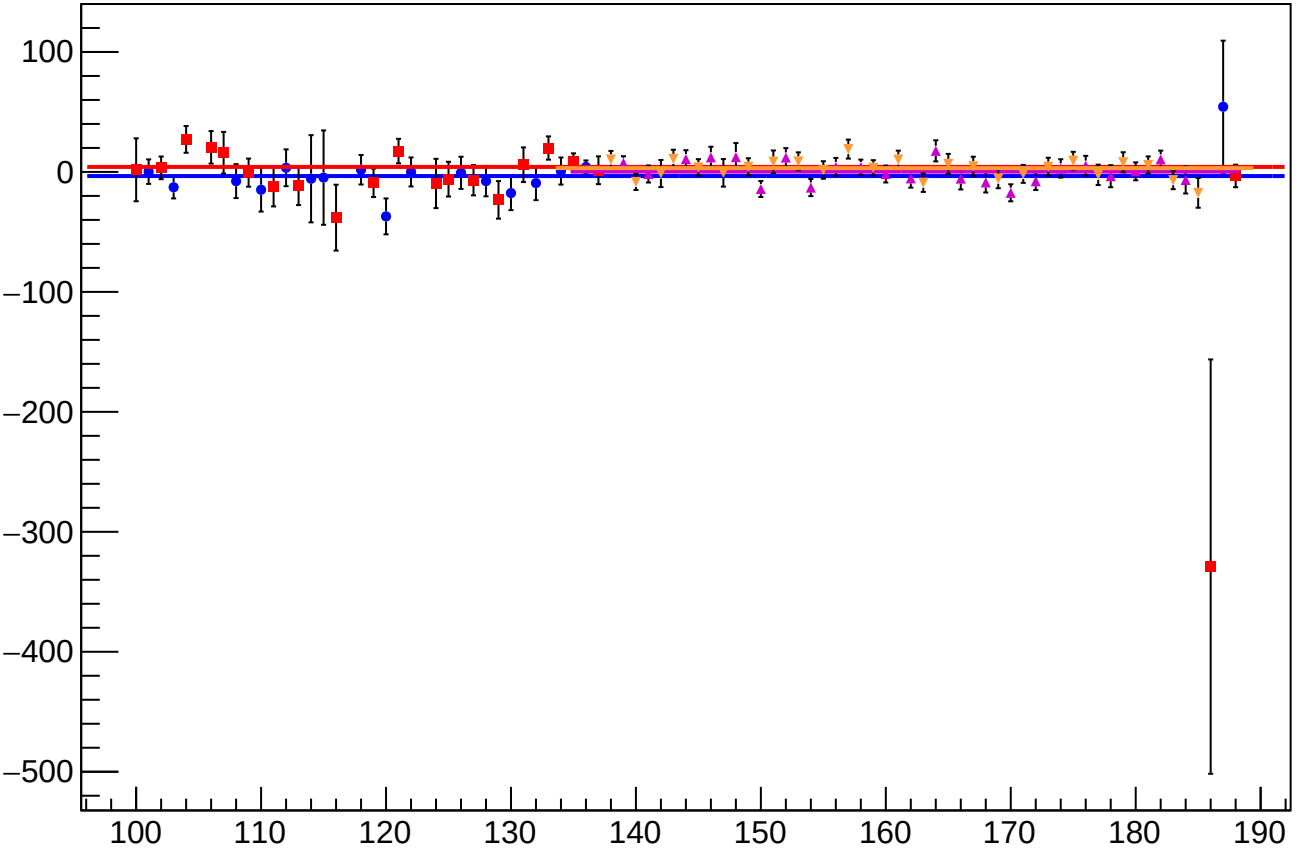
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9316.701+/-1.311 χ^2/NDF: 2757895.0/41

All: 9456.107+/-0.943 χ^2/NDF: 6755631.9/85

- sign 9605.109+/-1.356 χ^2/NDF: 3974353.3/43

diff_bpm4acY_mean vs Slug



Right In: -3.441+/-2.936 χ^2/NDF: 11.6/16

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 4.176+/-2.731 χ^2/NDF: 25.8/20

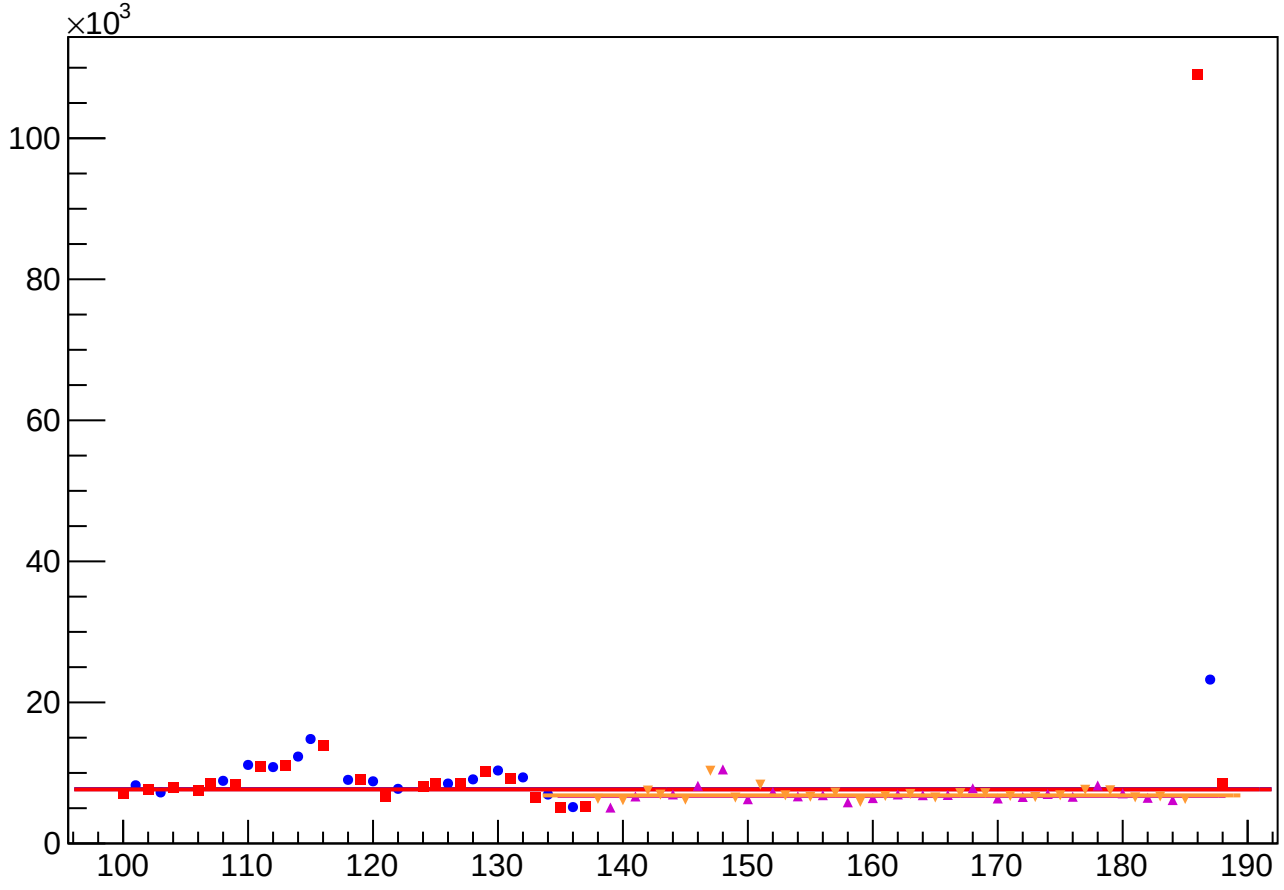
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 1.713+/-1.379 χ^2/NDF: 37.2/41

All: 1.485+/-0.973 χ^2/NDF: 98.8/85

- sign 1.258+/-1.374 χ^2/NDF: 61.6/43

diff_bpm4acY_rms vs Slug



Right In: 7700.114+/-2.076 χ^2/NDF: 1039357.8/16

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 7661.120+/-1.931 χ^2/NDF: 1516732.7/20

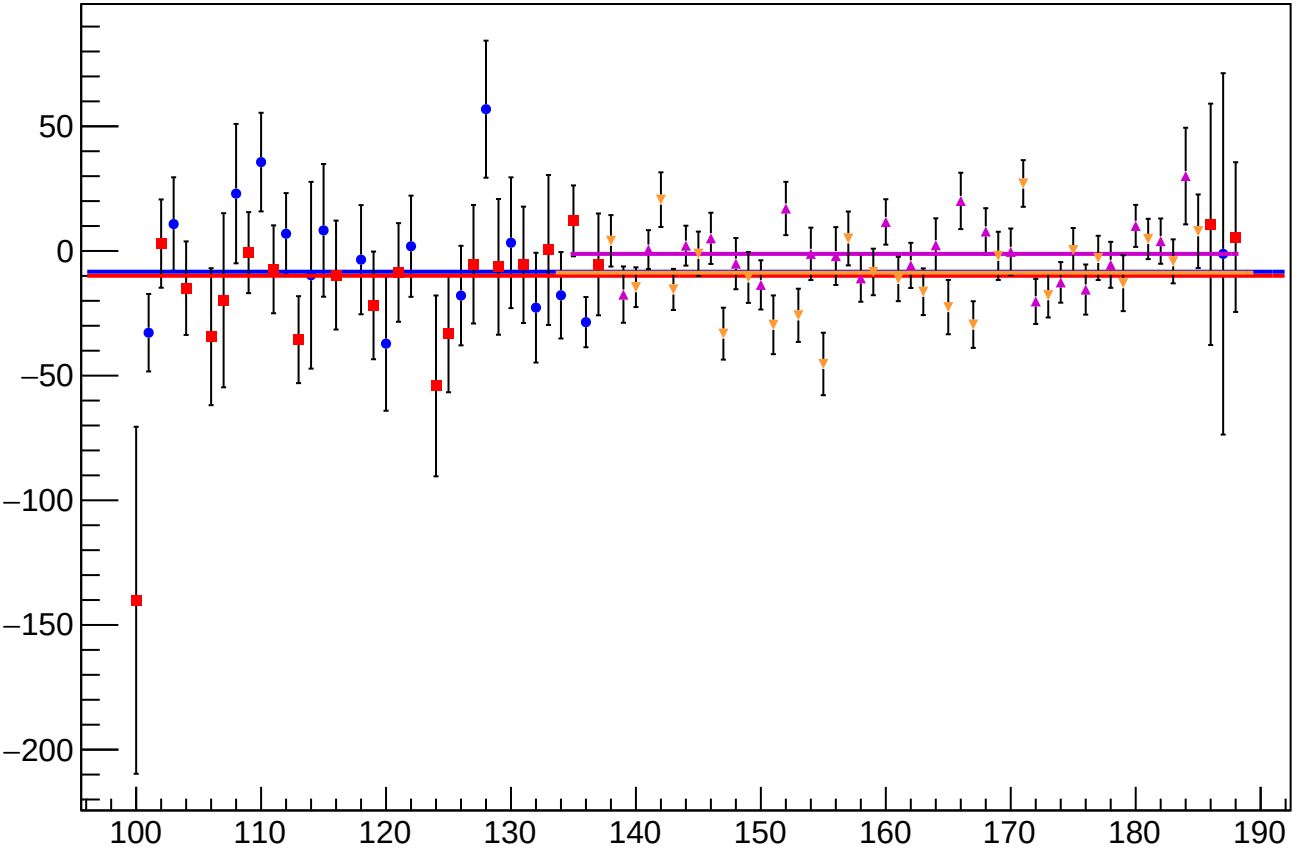
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 7008.663+/-0.975 χ^2/NDF: 1576324.7/41

All: 6986.308+/-0.688 χ^2/NDF: 3878517.4/85

- sign 6964.101+/-0.972 χ^2/NDF: 2301144.8/43

diff_bpm4ecX_mean vs Slug



Right In: -8.320+/-4.803 χ^2/NDF: 23.3/16

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -9.946+/-4.822 χ^2/NDF: 13.4/20

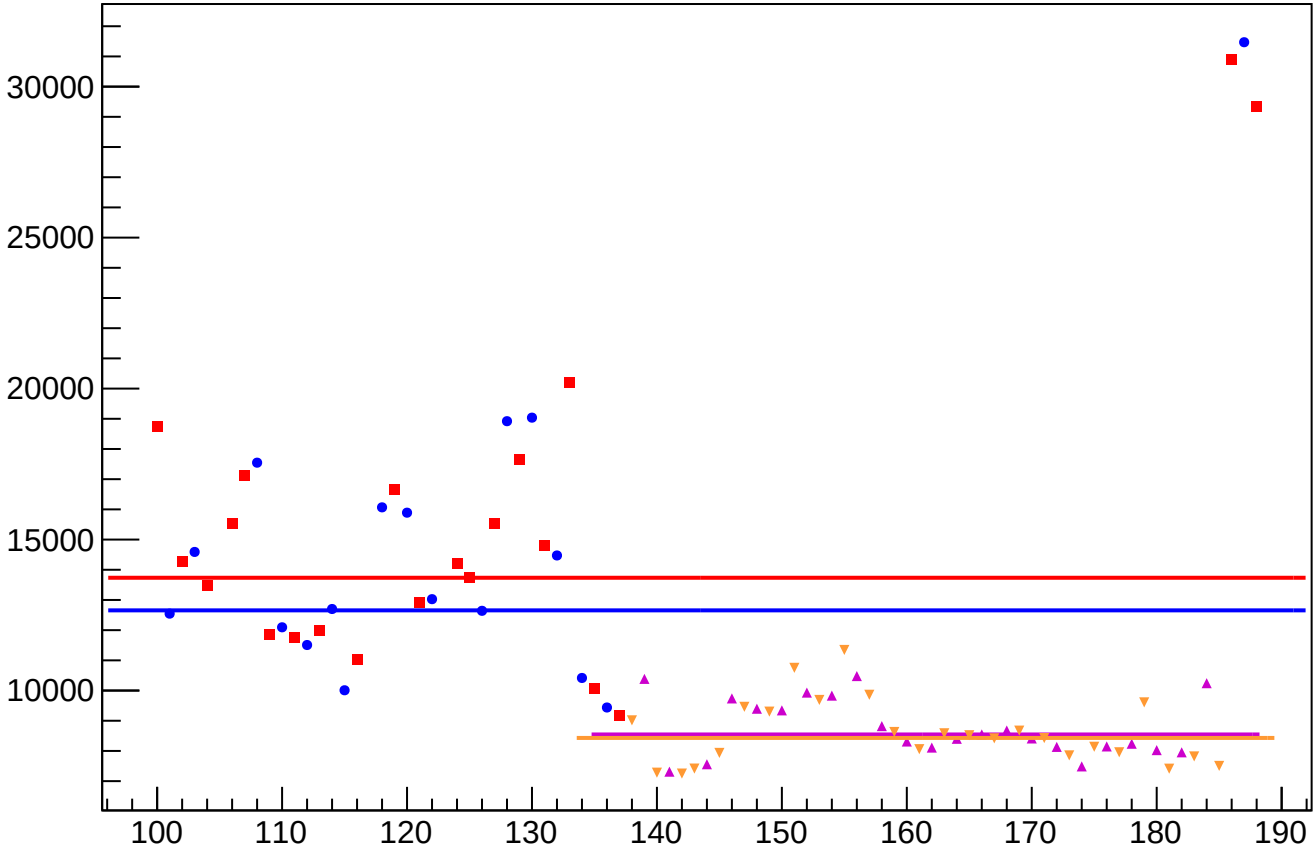
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.640+/-1.796 χ^2/NDF: 84.7/41

All: -5.661+/-1.291 χ^2/NDF: 135.1/85

- sign -2.475+/-1.857 χ^2/NDF: 44.7/43

diff_bpm4ecX_rms vs Slug



Right In: 12655.608+/-3.396 χ^2/NDF: 800446.4/16

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 13735.392+/-3.410 χ^2/NDF: 1355842.6/20

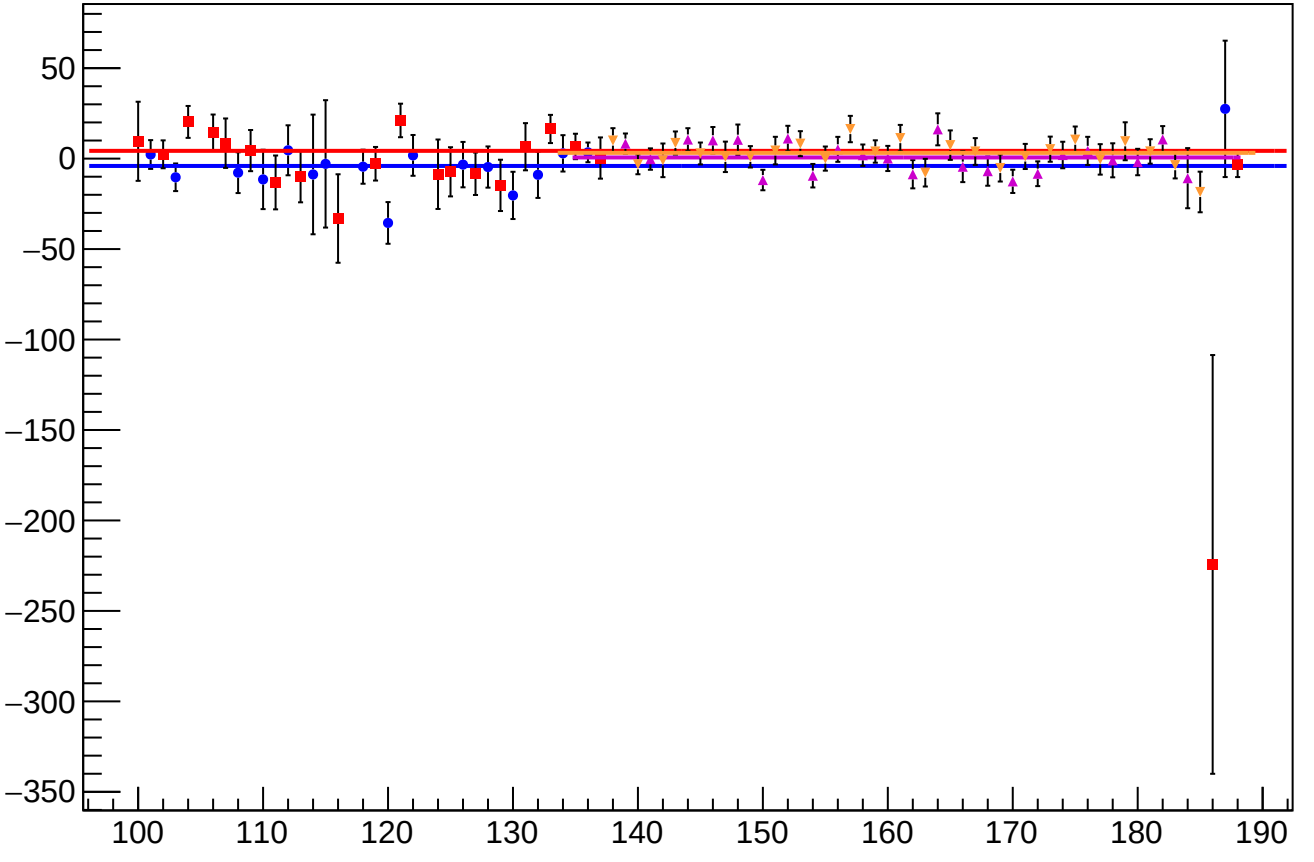
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9021.232+/-1.270 χ^2/NDF: 2616242.9/41

All: 9163.300+/-0.913 χ^2/NDF: 6360613.7/85

- sign 9315.251+/-1.313 χ^2/NDF: 3718464.1/43

diff_bpm4ecY_mean vs Slug



Right In: -4.054+/-2.594 χ^2/NDF: 14.6/16

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 4.291+/-2.362 χ^2/NDF: 24.8/20

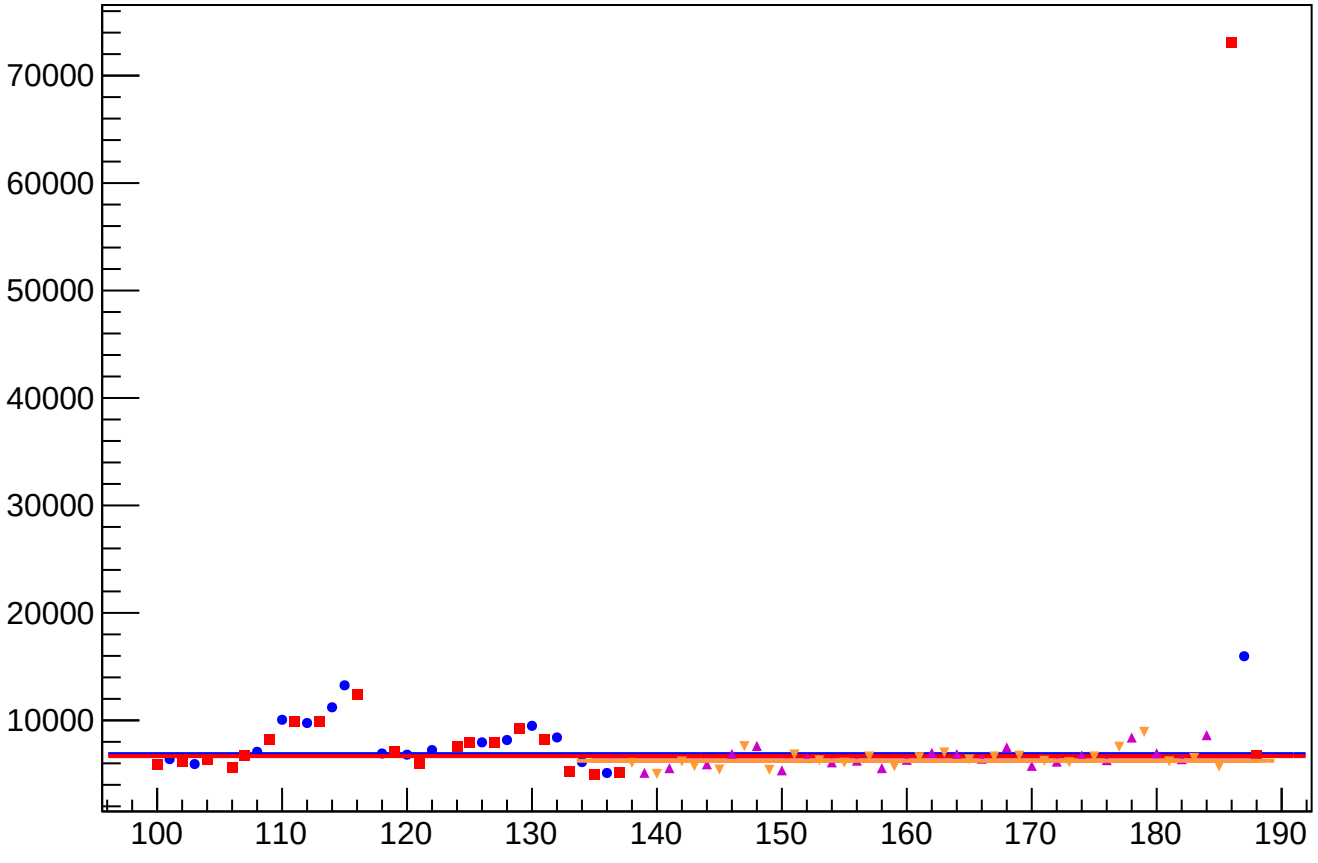
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.489+/-1.256 χ^2/NDF: 39.2/41

All: 1.578+/-0.888 χ^2/NDF: 97.6/85

- sign 1.666+/-1.255 χ^2/NDF: 58.4/43

diff_bpm4ecY_rms vs Slug



Right In: 6857.636+/-1.834 χ^2/NDF: 791473.1/16

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 6672.258+/-1.670 χ^2/NDF: 1422410.7/20

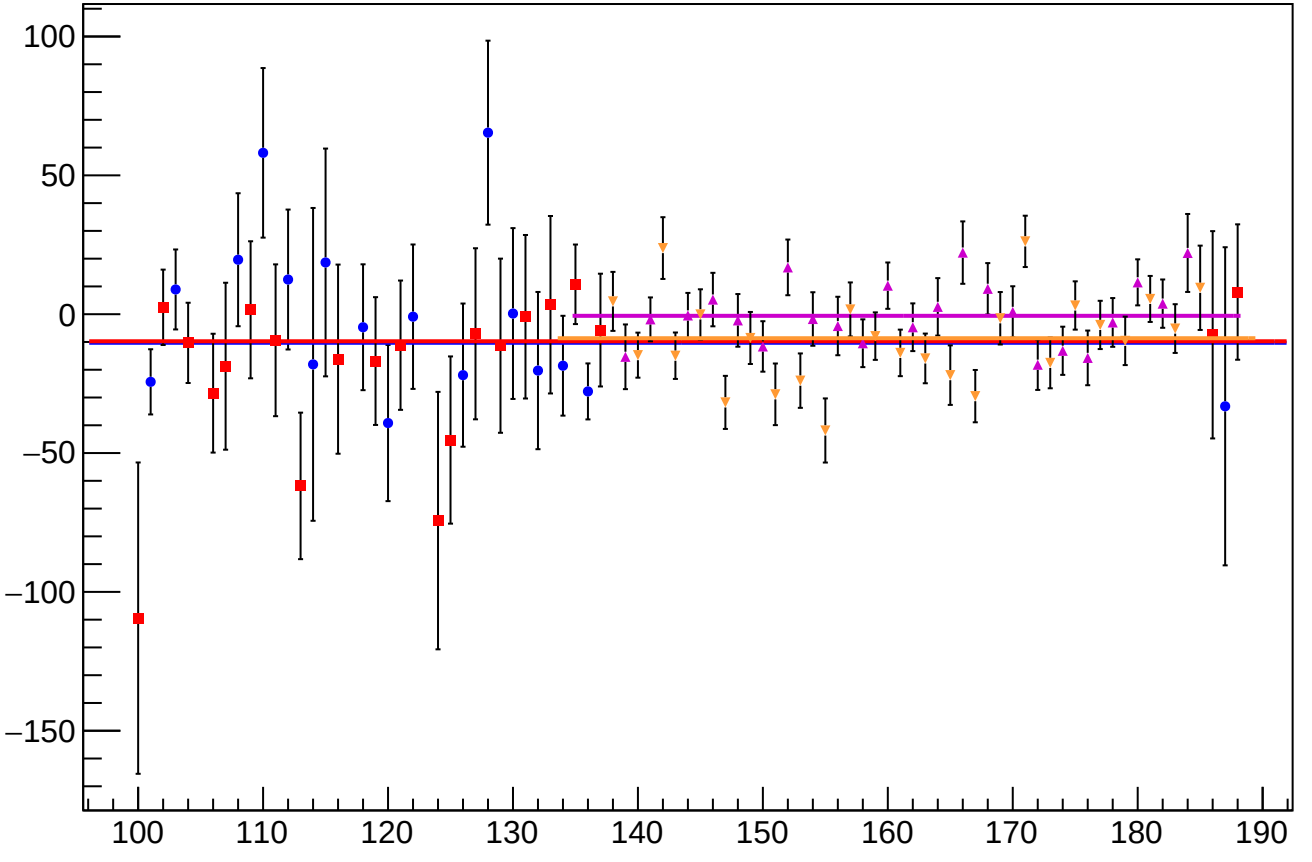
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6383.092+/-0.888 χ^2/NDF: 1386595.6/41

All: 6382.723+/-0.628 χ^2/NDF: 3375320.2/85

- sign 6382.354+/-0.888 χ^2/NDF: 1988724.3/43

diff_bpm1X_mean vs Slug



Right In: -10.288+/-4.998 χ^2/NDF: 21.4/16

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: -9.746+/-5.109 χ^2/NDF: 15.3/20

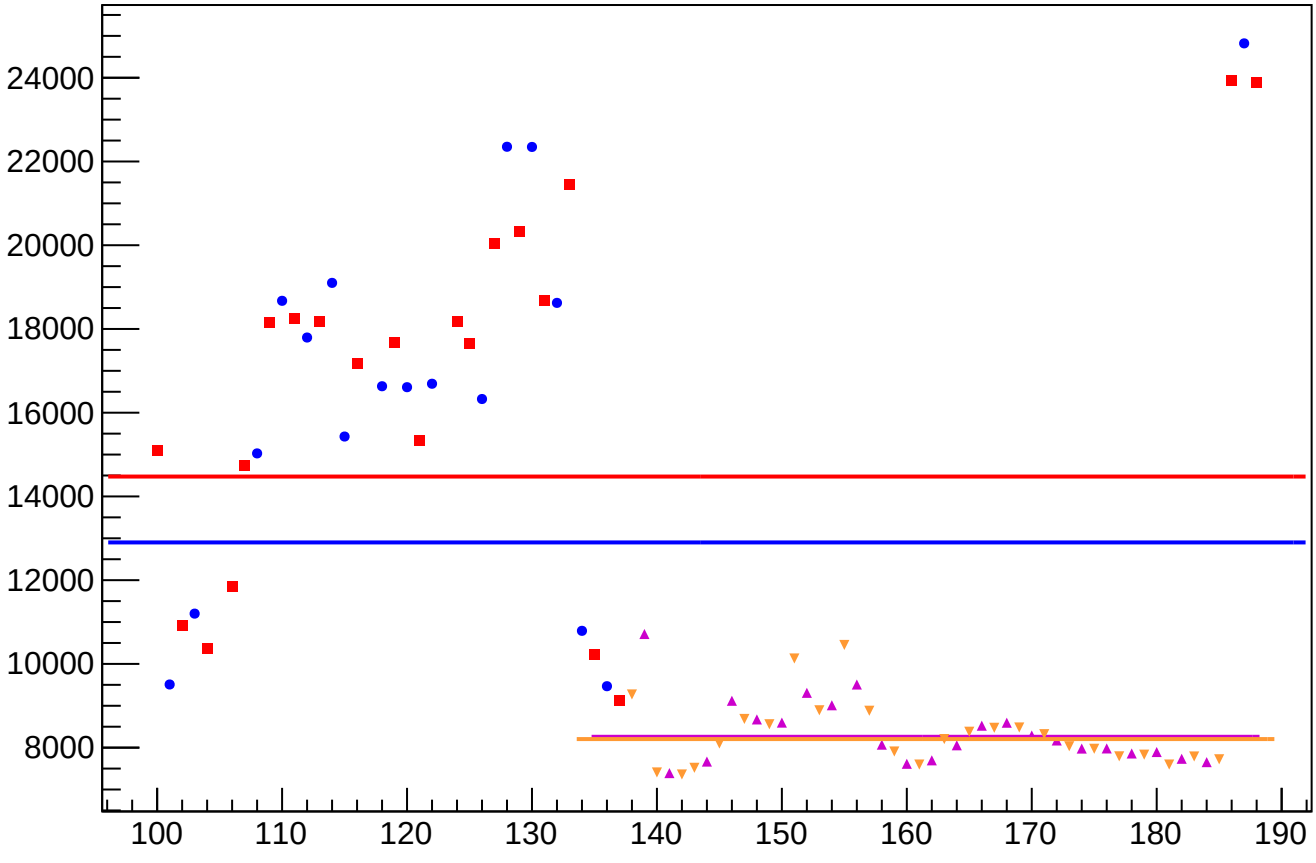
Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -8.852+/-1.756 χ^2/NDF: 84.6/41

All: -5.408+/-1.261 χ^2/NDF: 139.1/85

- sign -1.737+/-1.813 χ^2/NDF: 46.6/43

diff_bpm1X_rms vs Slug



Right In: 12901.418+/-3.534 χ^2/NDF: 1335528.8/16

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 14474.973+/-3.612 χ^2/NDF: 1550718.8/20

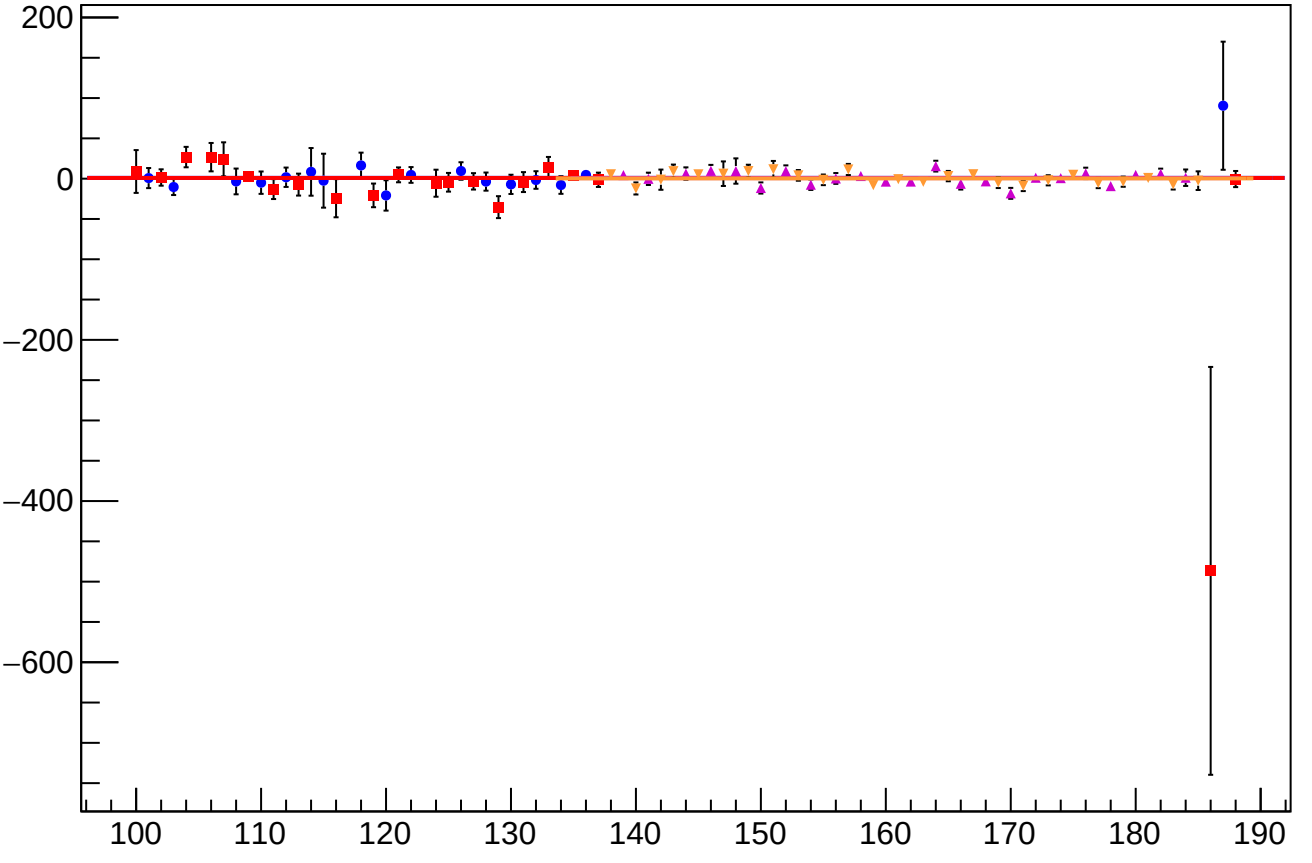
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 8784.004+/-1.241 χ^2/NDF: 3156801.1/41

All: 8908.736+/-0.892 χ^2/NDF: 7573707.5/85

- sign 9041.710+/-1.282 χ^2/NDF: 4396047.9/43

diff_bpm1Y_mean vs Slug



Right In: 0.975+/-2.565 χ^2/NDF: 8.1/16

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 0.893+/-2.254 χ^2/NDF: 26.0/20

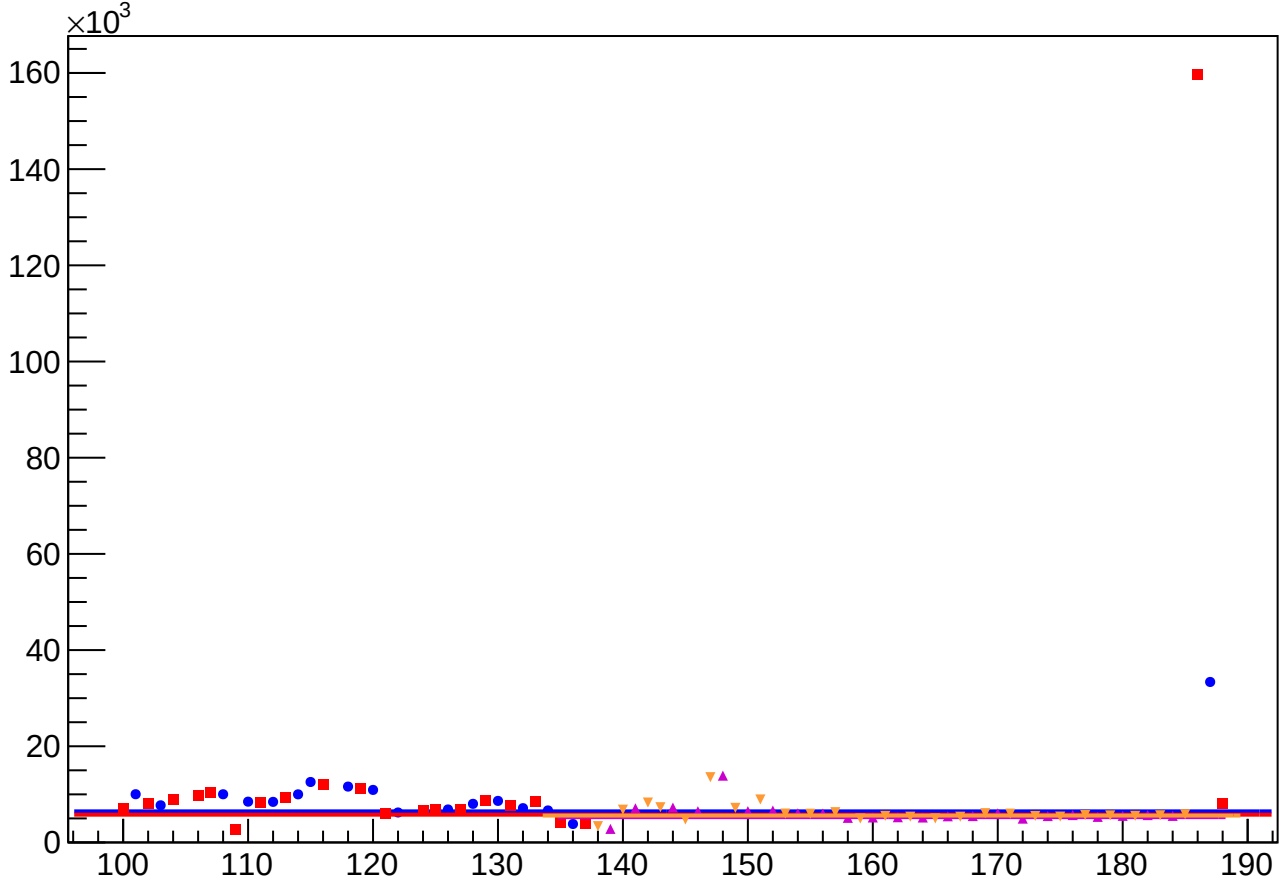
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.484+/-1.175 χ^2/NDF: 29.6/41

All: 0.626+/-0.811 χ^2/NDF: 85.6/85

- sign 0.755+/-1.120 χ^2/NDF: 55.9/43

diff_bpm1Y_rms vs Slug



Right In: 6462.614+/-1.814 χ^2/NDF: 1980148.0/16

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5777.809+/-1.594 χ^2/NDF: 3440884.0/20

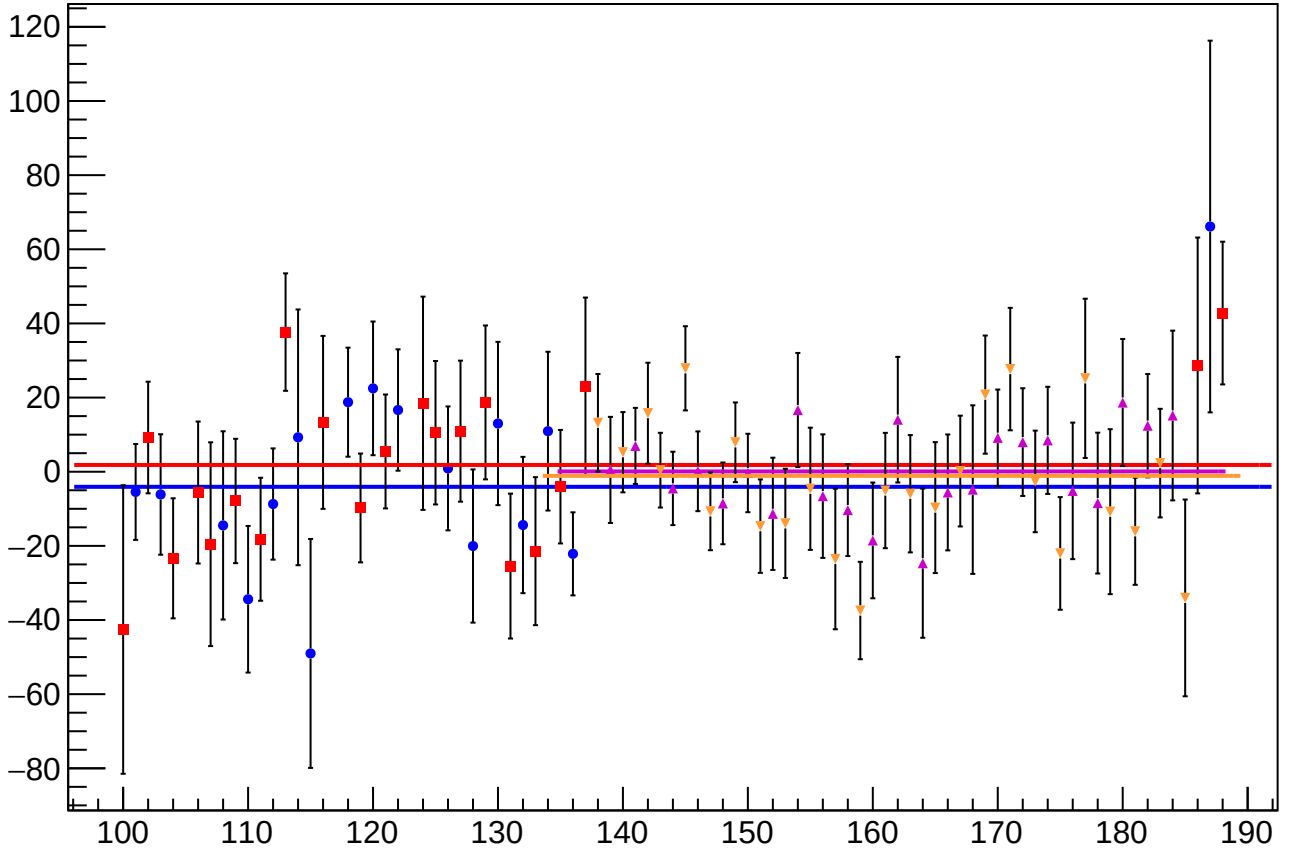
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5776.653+/-0.831 χ^2/NDF: 3945465.7/41

All: 5574.157+/-0.573 χ^2/NDF: 10004025.7/8

- sign 5389.975+/-0.792 χ^2/NDF: 5945096.1/43

diff_bpm11X_mean vs Slug



Right In: -4.072+/-4.338 χ^2/NDF: 17.8/16

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

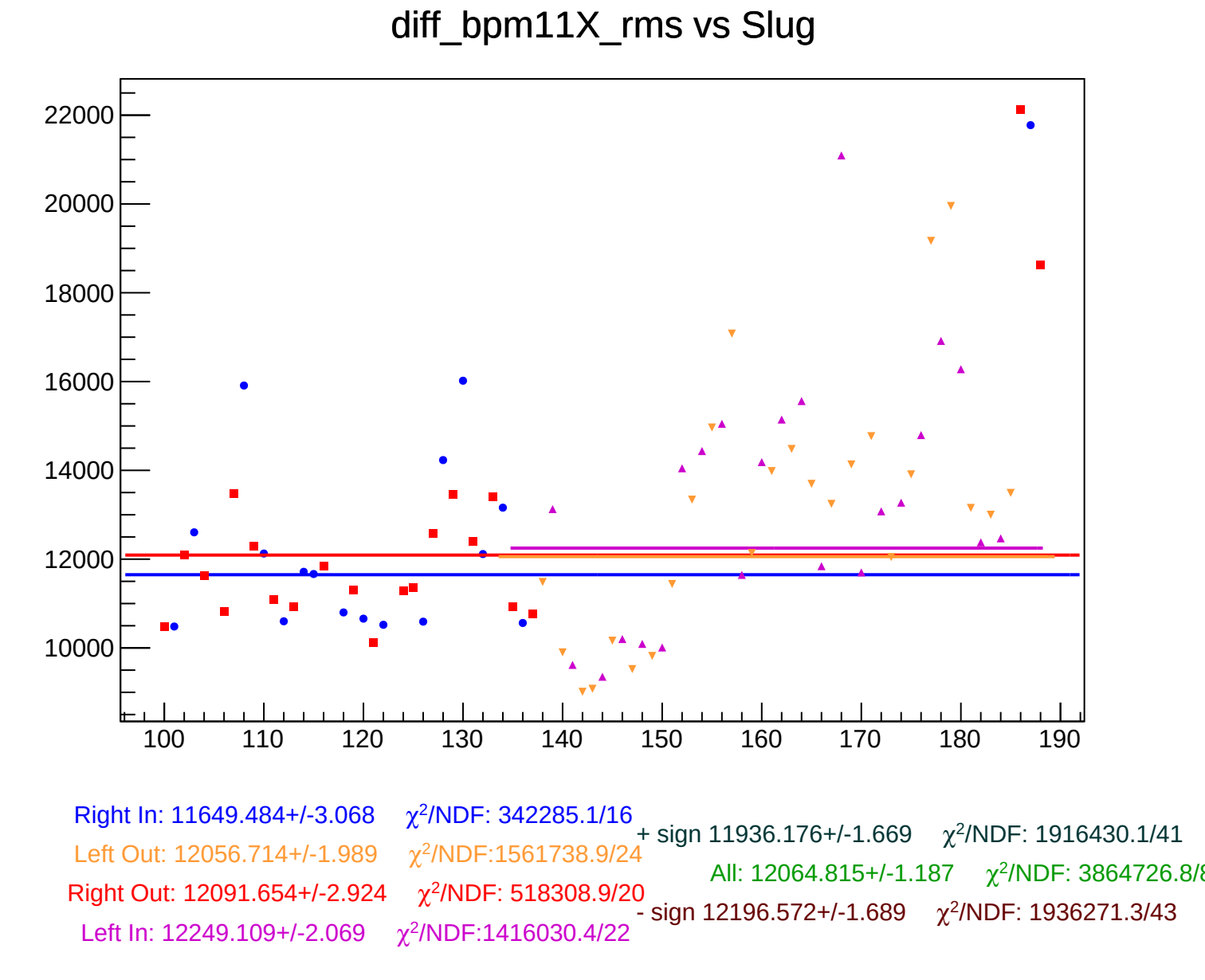
Right Out: 1.824+/-4.135 χ^2/NDF: 23.4/20

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

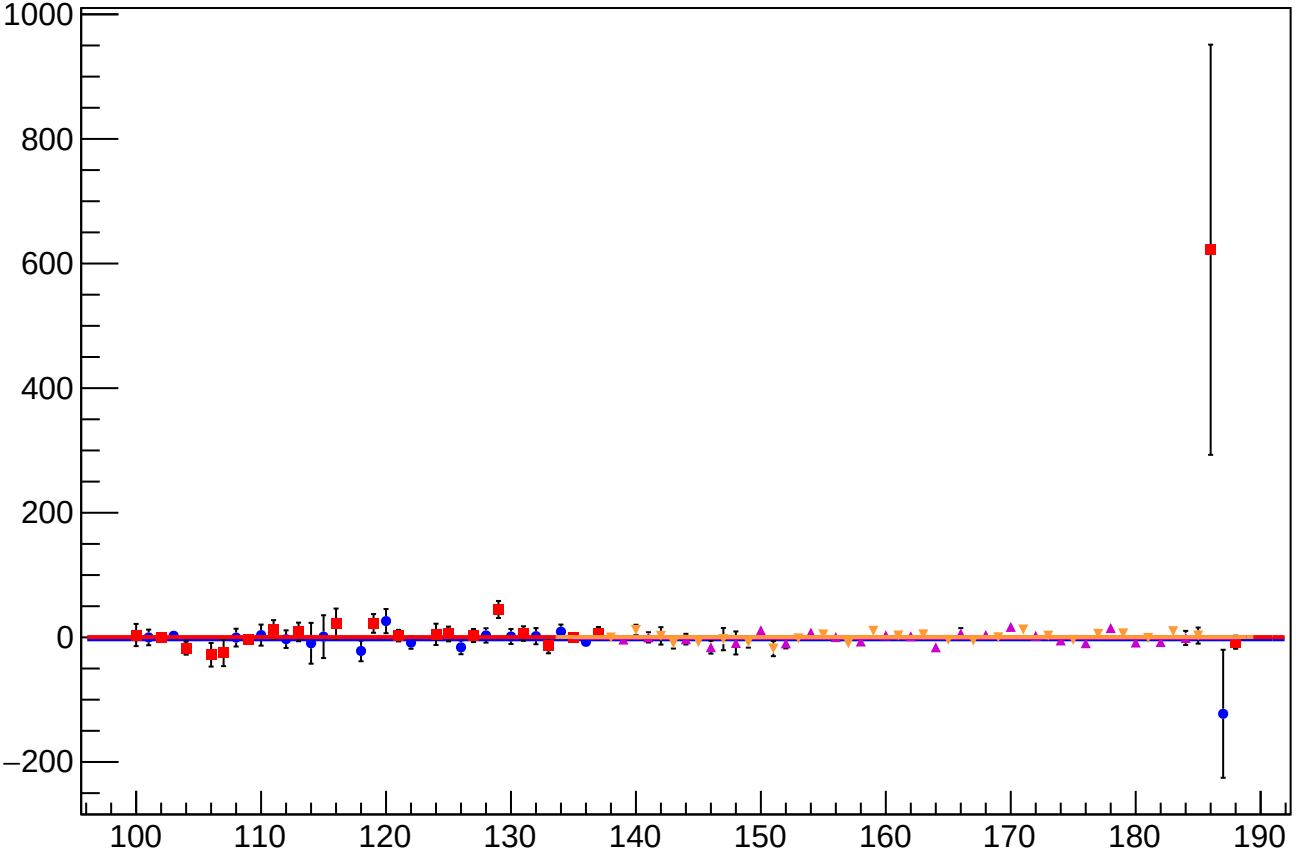
+ sign -1.987+/-2.360 χ^2/NDF: 51.9/41

All: -0.677+/-1.679 χ^2/NDF: 87.4/85

- sign 0.665+/-2.389 χ^2/NDF: 34.9/43


diff_bpm11X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 11649.484+/-3.068 χ²/NDF: 342285.1/16
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 12091.654+/-2.924 χ²/NDF: 518308.9/20
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 11936.176+/-1.669 χ²/NDF: 1916430.1/41
All: 12064.815+/-1.187 χ²/NDF: 3864726.8/8
- sign 12196.572+/-1.689 χ²/NDF: 1936271.3/43

diff_bpm11Y_mean vs Slug



Right In: -3.094+/-2.653 χ^2/NDF: 10.0/16

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 0.454+/-2.295 χ^2/NDF: 28.0/20

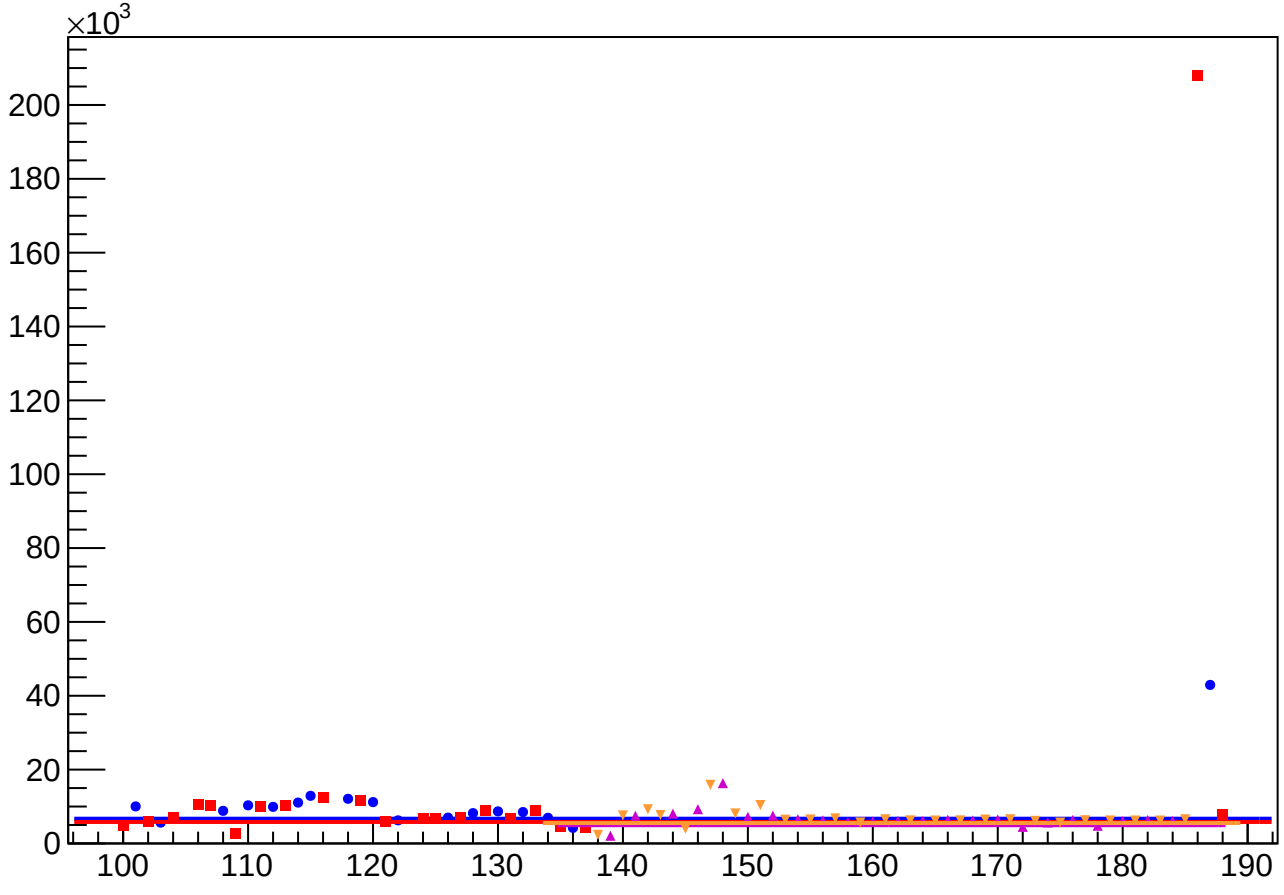
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign -0.235+/-1.216 χ^2/NDF: 32.9/41

All: -0.436+/-0.827 χ^2/NDF: 93.4/85

- sign -0.608+/-1.127 χ^2/NDF: 60.5/43

diff_bpm11Y_rms vs Slug



Right In: 6701.097+/-1.876 χ^2/NDF: 1821792.0/16

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

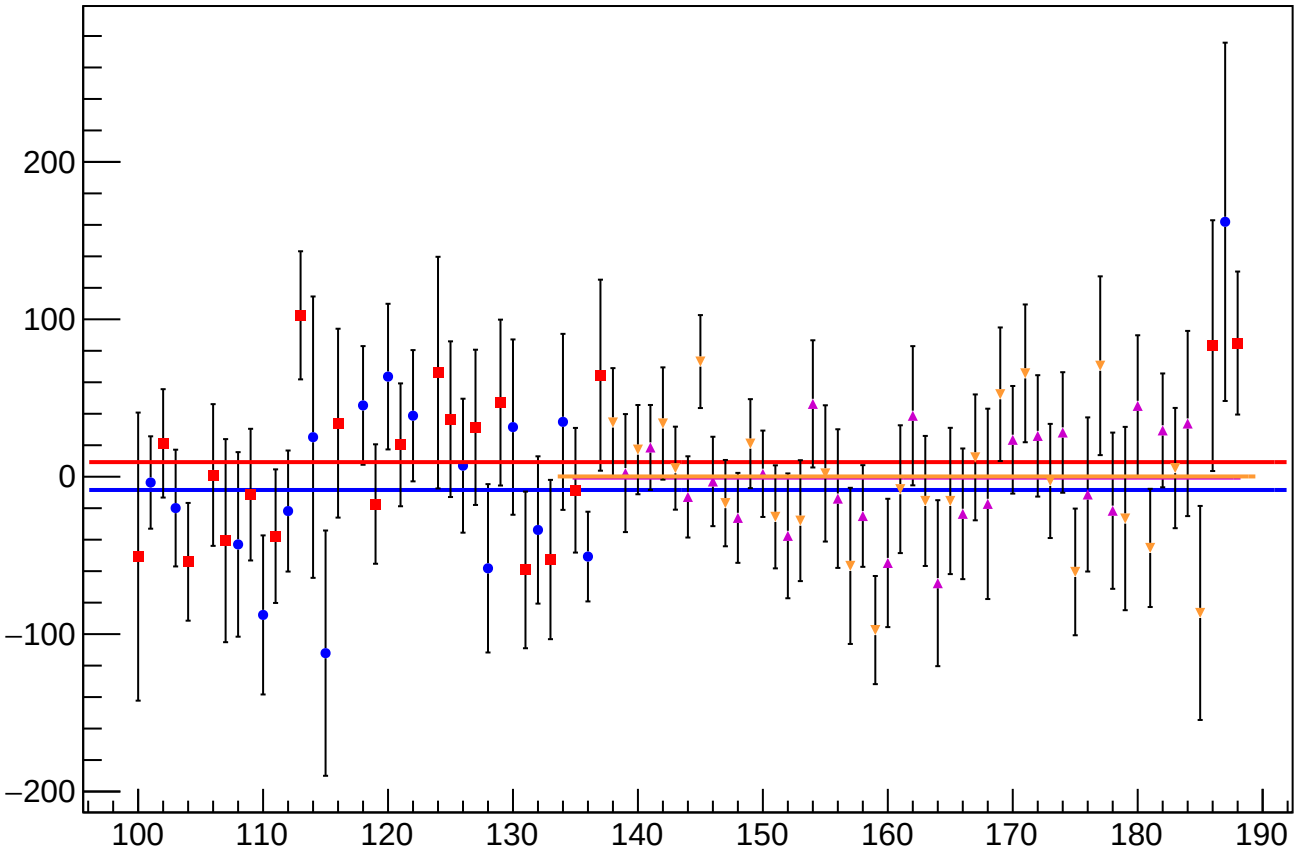
Right Out: 5823.560+/-1.623 χ^2/NDF: 3136883.3/20

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5774.568+/-0.860 χ^2/NDF: 6506353.6/41

All: 5441.138+/-0.585 χ^2/NDF: 16082603.2/8

- sign 5154.720+/-0.797 χ^2/NDF: 9296882.2/43



Right In: -8.425+/-10.787 χ^2/NDF: 17.6/16

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 9.279+/-10.270 χ^2/NDF: 21.2/20

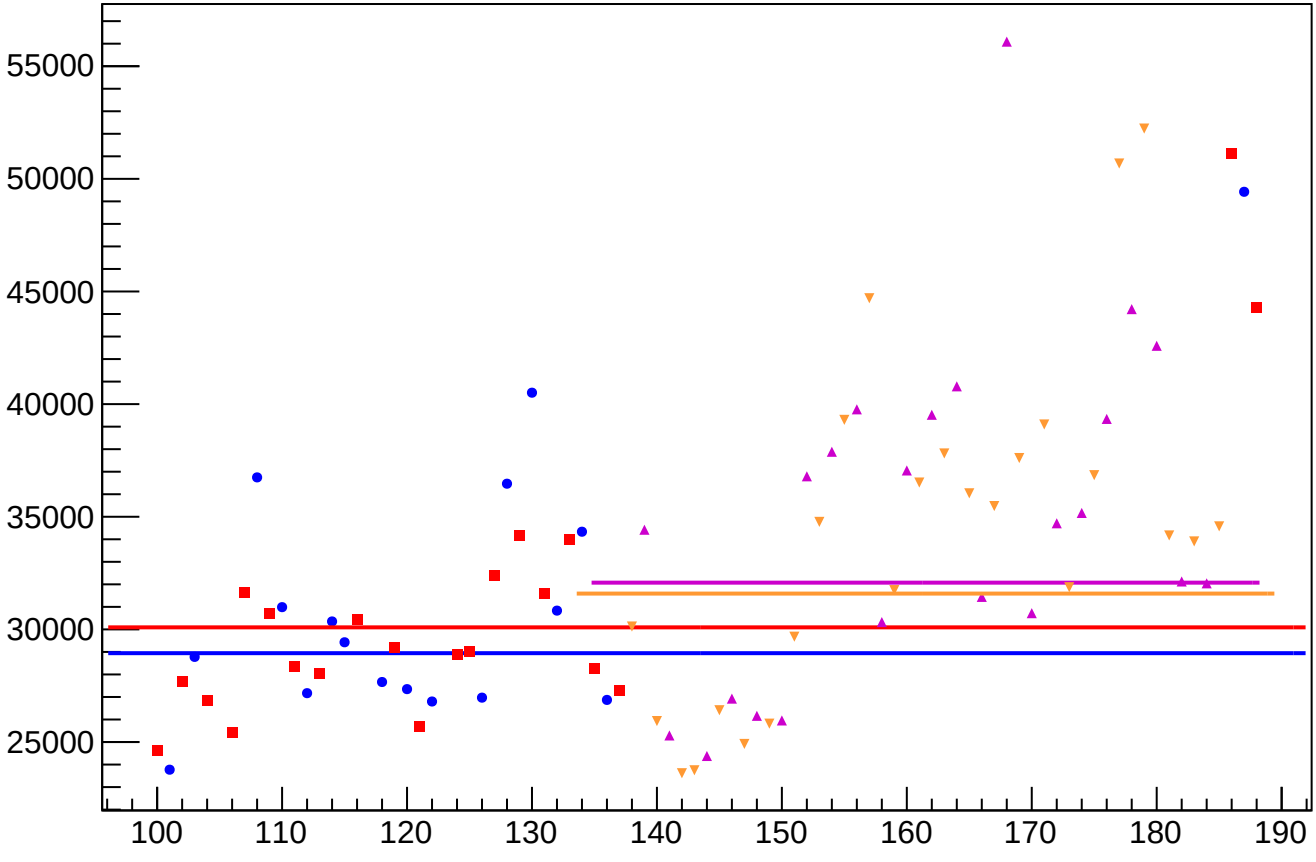
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -2.569+/-6.088 χ^2/NDF: 49.1/41

All: 0.163+/-4.324 χ^2/NDF: 84.1/85

- sign 2.944+/-6.144 χ^2/NDF: 34.6/43

diff_bpm12X_rms vs Slug



Right In: 28944.726+/-7.628 χ^2/NDF: 342982.3/16

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 30090.592+/-7.262 χ^2/NDF: 464475.8/20

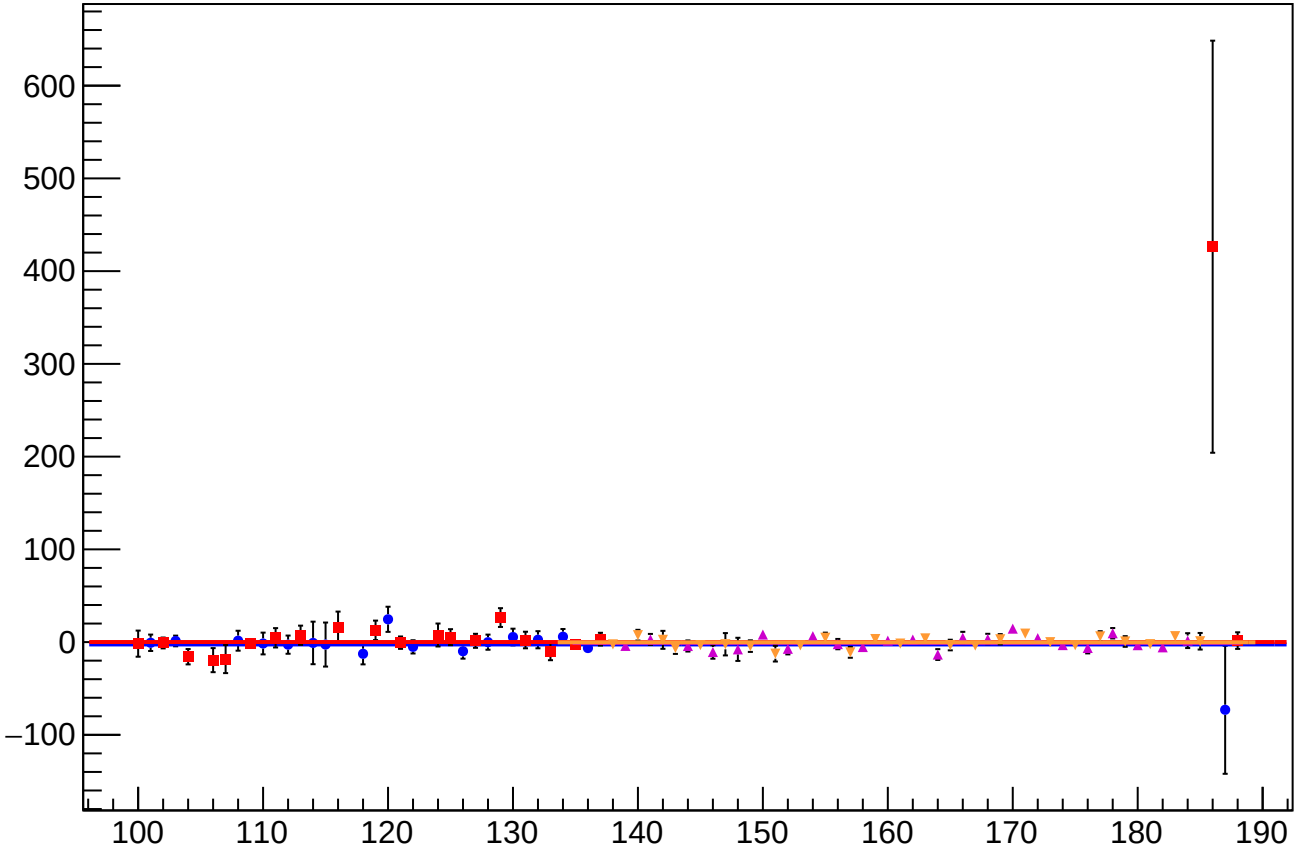
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 30747.352+/-4.305 χ^2/NDF: 2015798.2/41

All: 31053.304+/-3.058 χ^2/NDF: 3994136.6/8

- sign 31364.871+/-4.344 χ^2/NDF: 1968143.7/43

diff_bpm12Y_mean vs Slug



Right In: -2.522+/-1.915 χ^2/NDF: 11.1/16

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 0.084+/-1.791 χ^2/NDF: 23.7/20

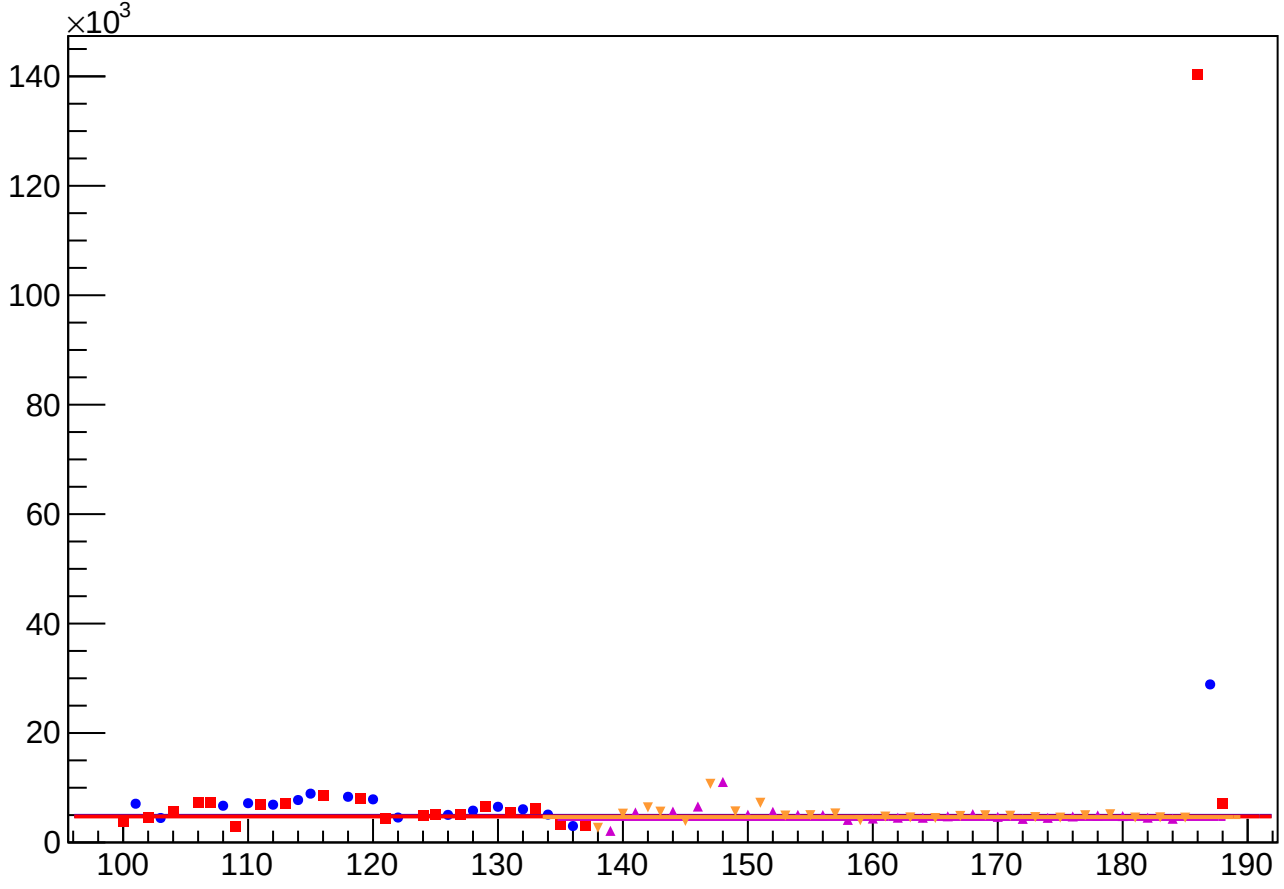
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.791+/-0.950 χ^2/NDF: 32.0/41

All: -0.672+/-0.658 χ^2/NDF: 89.7/85

- sign -0.562+/-0.913 χ^2/NDF: 57.6/43

diff_bpm12Y_rms vs Slug



Right In: 4855.680+/-1.354 χ^2/NDF: 1790242.3/16

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 4757.478+/-1.267 χ^2/NDF: 2325949.2/20

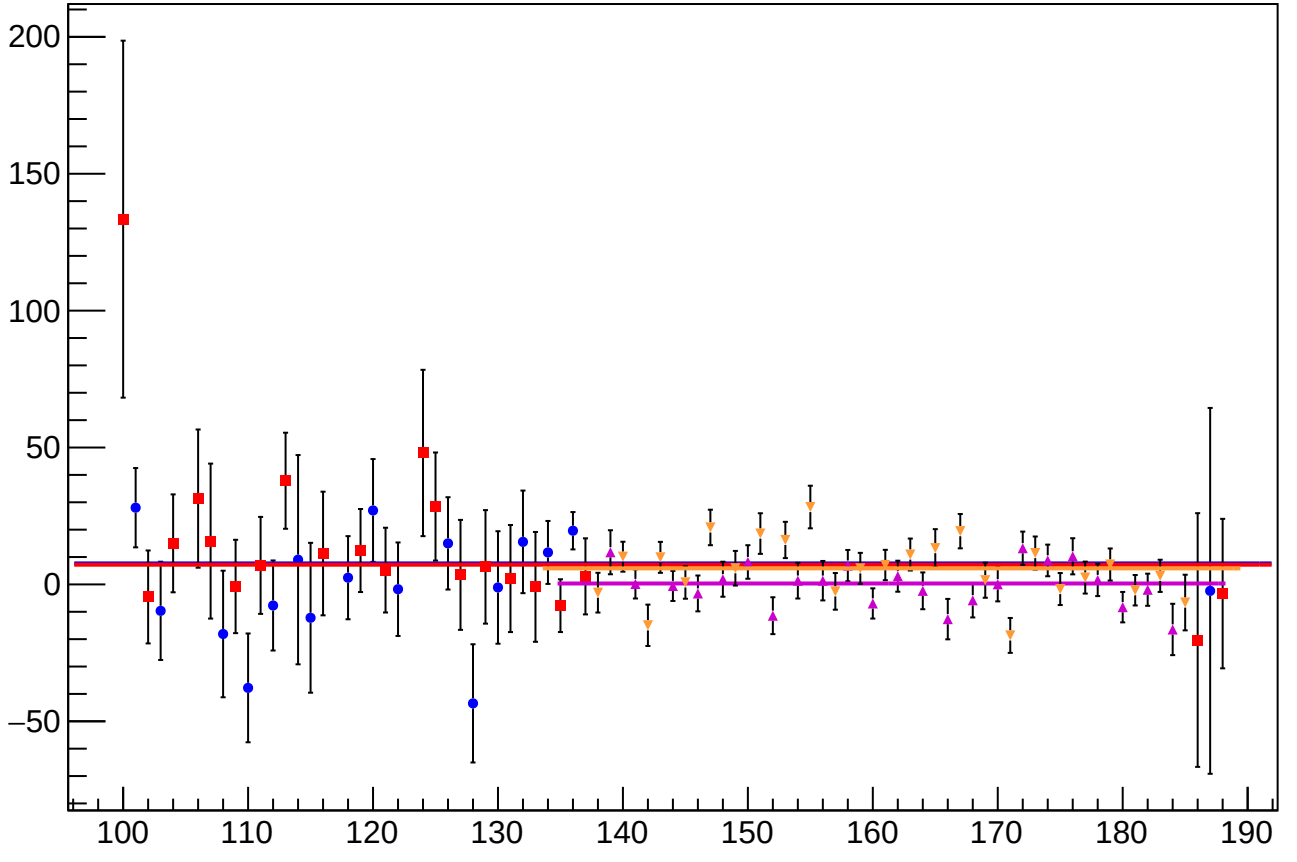
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4691.107+/-0.672 χ^2/NDF: 3572939.0/41

All: 4547.597+/-0.465 χ^2/NDF: 9180984.2/85

- sign 4415.115+/-0.645 χ^2/NDF: 5520245.6/43

diff_bpm16X_mean vs Slug



Right In: 7.666+/-3.814 χ^2/NDF: 21.6/16

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 7.197+/-4.038 χ^2/NDF: 15.1/20

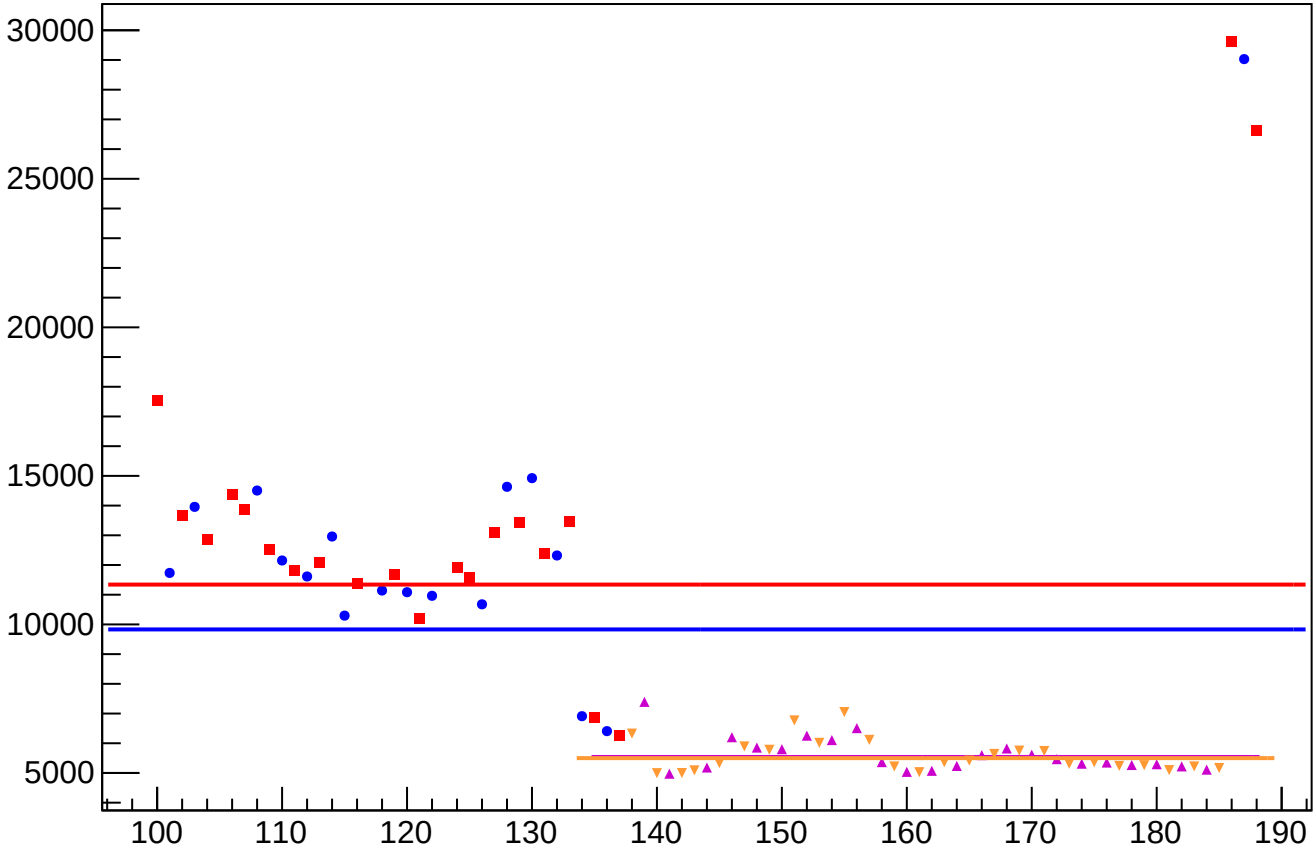
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.027+/-1.194 χ^2/NDF: 81.9/41

All: 3.595+/-0.860 χ^2/NDF: 137.6/85

- sign 0.982+/-1.238 χ^2/NDF: 47.1/43

diff_bpm16X_rms vs Slug



Right In: 9831.508+/-2.697 χ^2/NDF: 1379326.8/16

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 11340.929+/-2.856 χ^2/NDF: 1842086.8/20

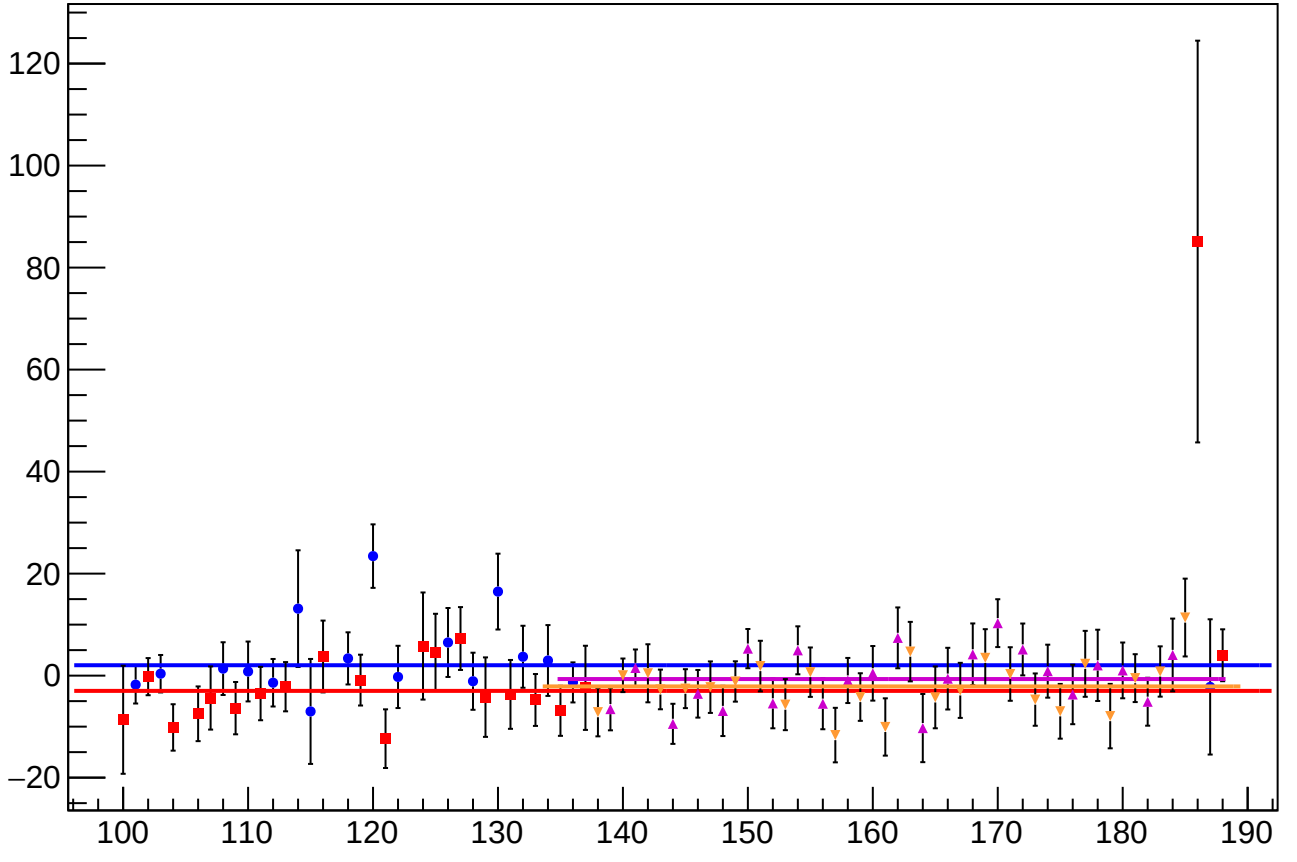
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 5924.020+/-0.844 χ^2/NDF: 4005072.5/41

All: 6000.768+/-0.608 χ^2/NDF: 9910122.0/85

- sign 6083.273+/-0.875 χ^2/NDF: 5887907.7/43

diff_bpm16Y_mean vs Slug



Right In: 2.038+/-1.338 χ^2/NDF: 21.1/16

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -2.991+/-1.263 χ^2/NDF: 20.5/20

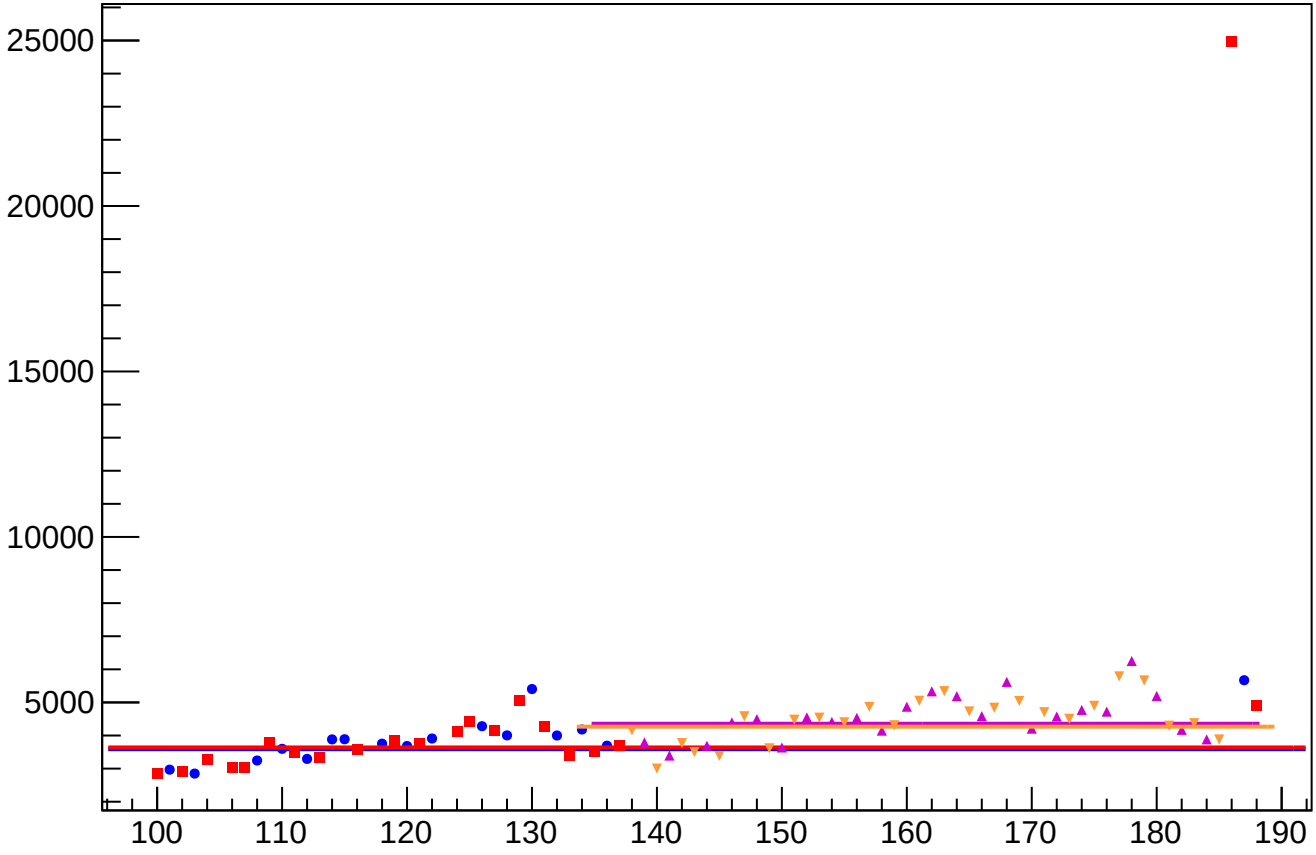
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.652+/-0.795 χ^2/NDF: 44.8/41

All: -1.123+/-0.563 χ^2/NDF: 96.4/85

- sign -1.598+/-0.799 χ^2/NDF: 50.9/43

diff_bpm16Y_rms vs Slug



Right In: 3587.596+/-0.946 χ^2/NDF: 390990.6/16

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 3639.638+/-0.893 χ^2/NDF: 1005205.6/20

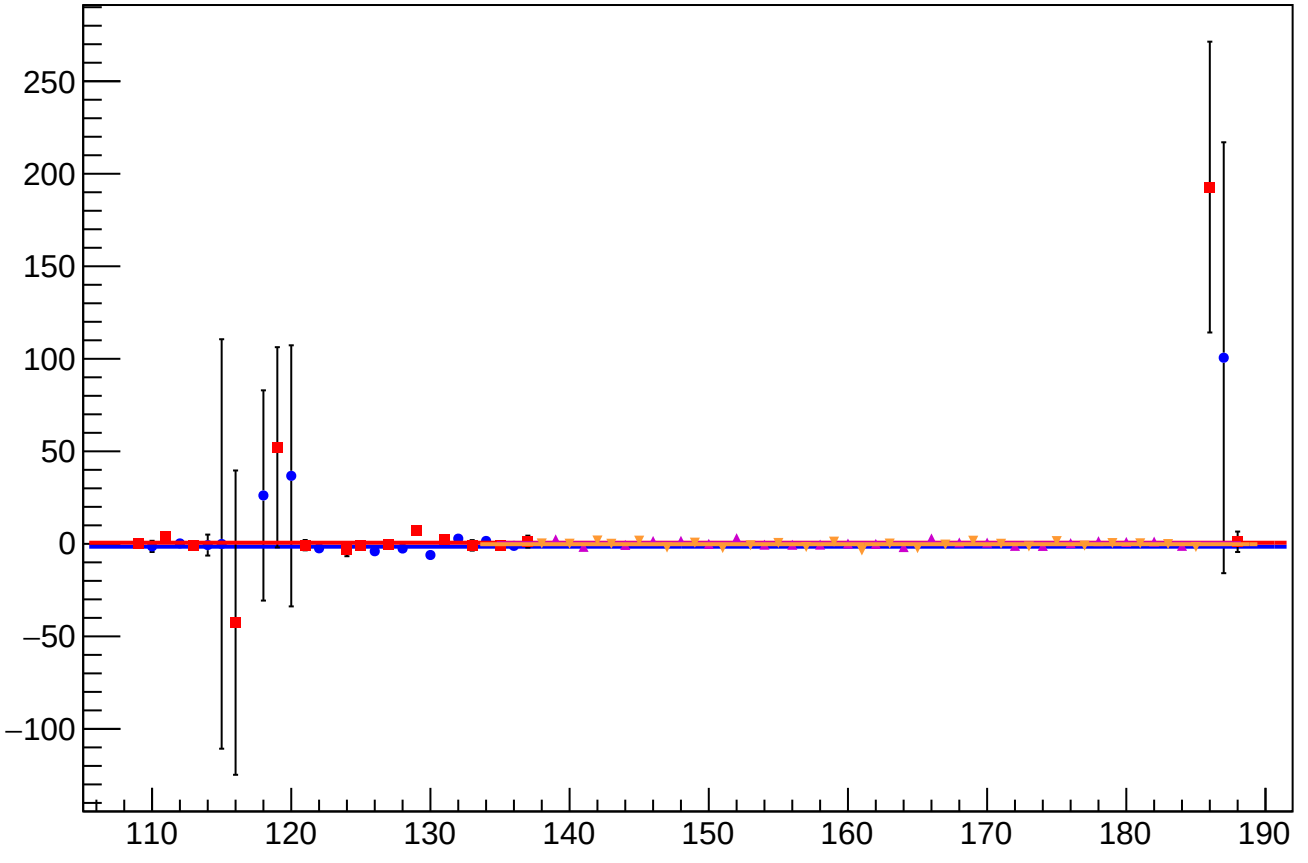
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 4028.002+/-0.562 χ^2/NDF: 1760073.7/41

All: 4048.597+/-0.398 χ^2/NDF: 3897146.8/85

- sign 4069.401+/-0.565 χ^2/NDF: 2134371.7/43

diff_bpm1p02bX_mean vs Slug



Right In: -1.532+/-0.733 χ^2/NDF: 11.9/13

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.612+/-0.711 χ^2/NDF: 18.7/15

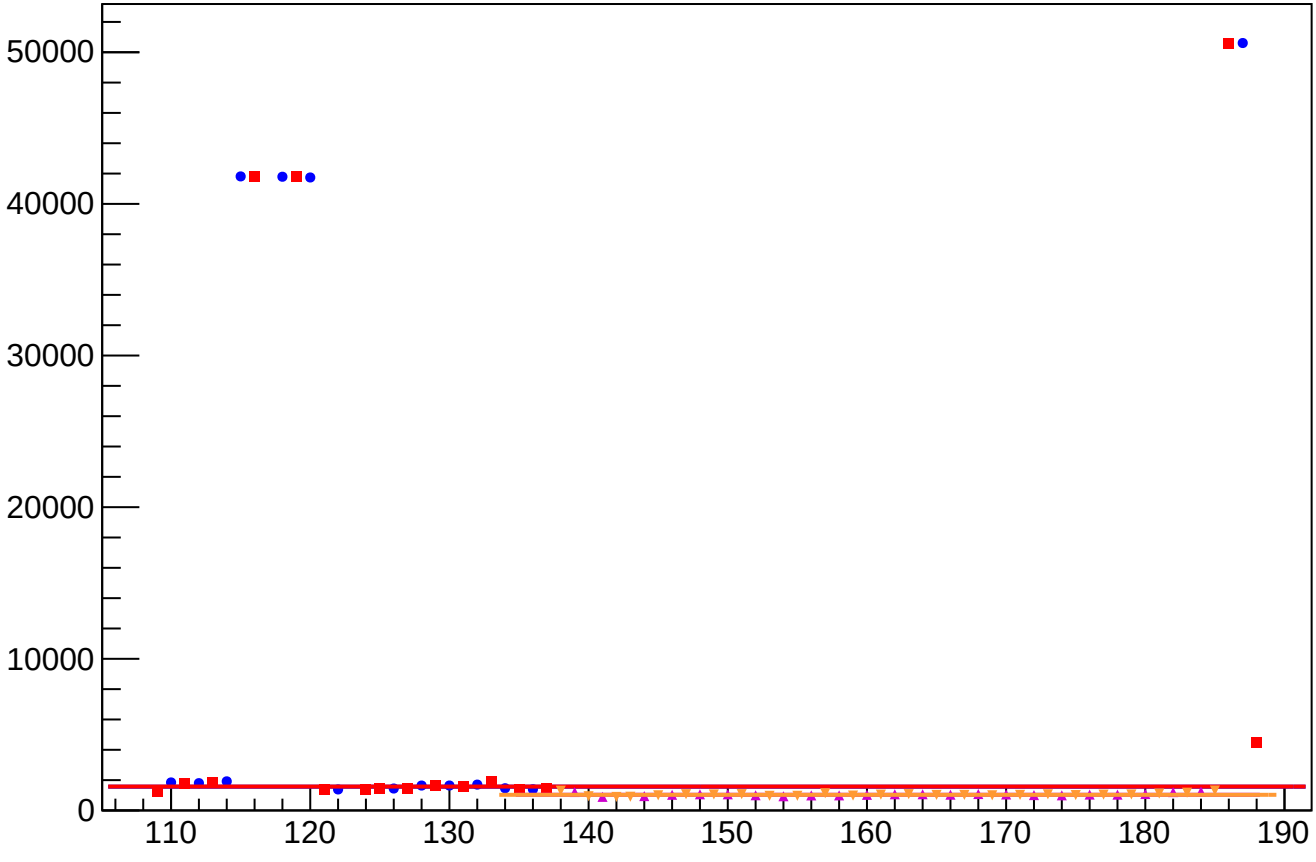
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

\+ sign -0.326+/-0.224 χ^2/NDF: 48.8/38

All: 0.011+/-0.160 χ^2/NDF: 101.6/77

\- sign 0.362+/-0.229 χ^2/NDF: 48.3/38

diff_bpm1p02bX_rms vs Slug



Right In: 1566.250+/-0.518 χ^2/NDF: 2371861.5/13

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1576.334+/-0.503 χ^2/NDF: 3071602.1/15

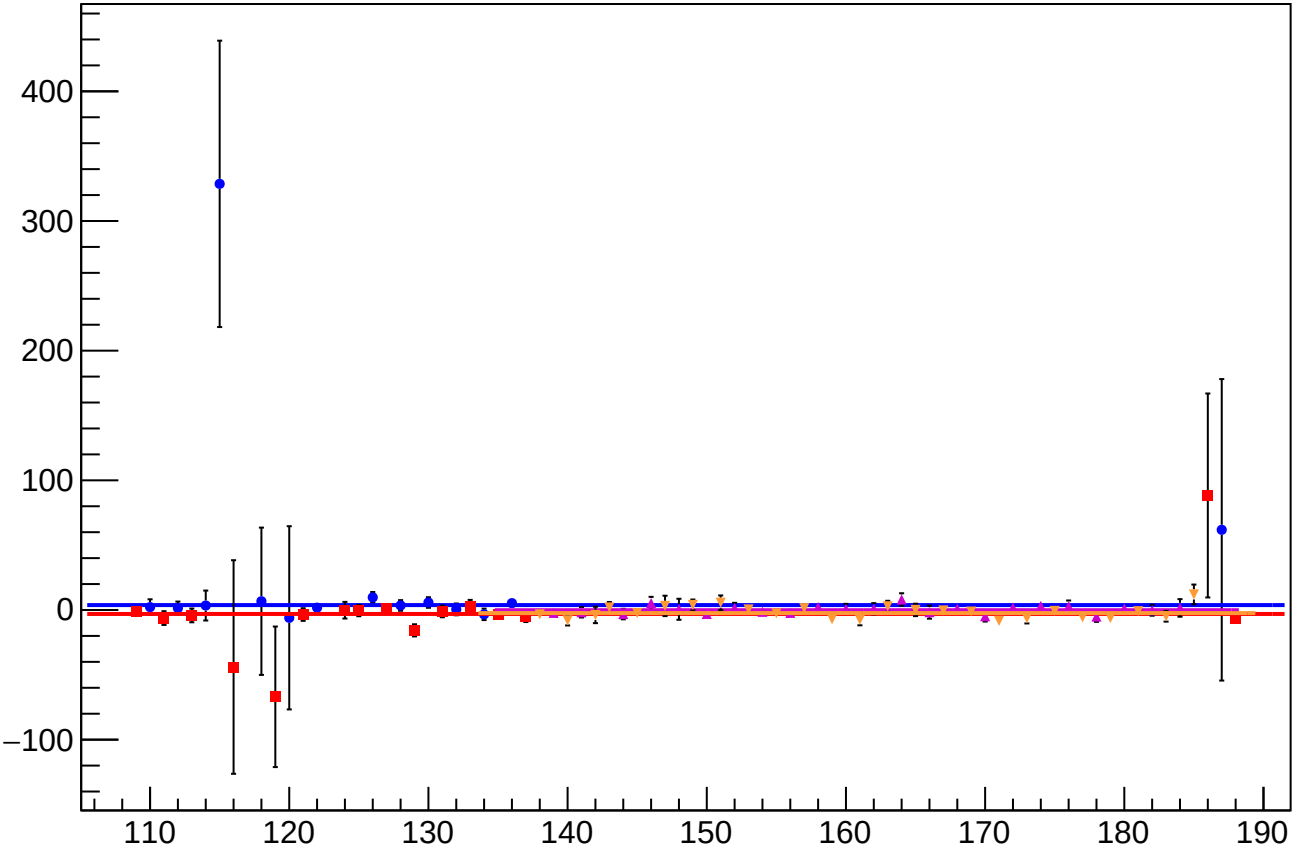
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1081.547+/-0.159 χ^2/NDF: 3581621.5/38

All: 1085.292+/-0.113 χ^2/NDF: 7888905.0/77

- sign 1089.208+/-0.162 χ^2/NDF: 4306141.9/38

diff_bpm1p02bY_mean vs Slug



Right In: 3.783+/-1.248 χ^2/NDF: 15.4/13

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -3.065+/-1.147 χ^2/NDF: 15.9/15

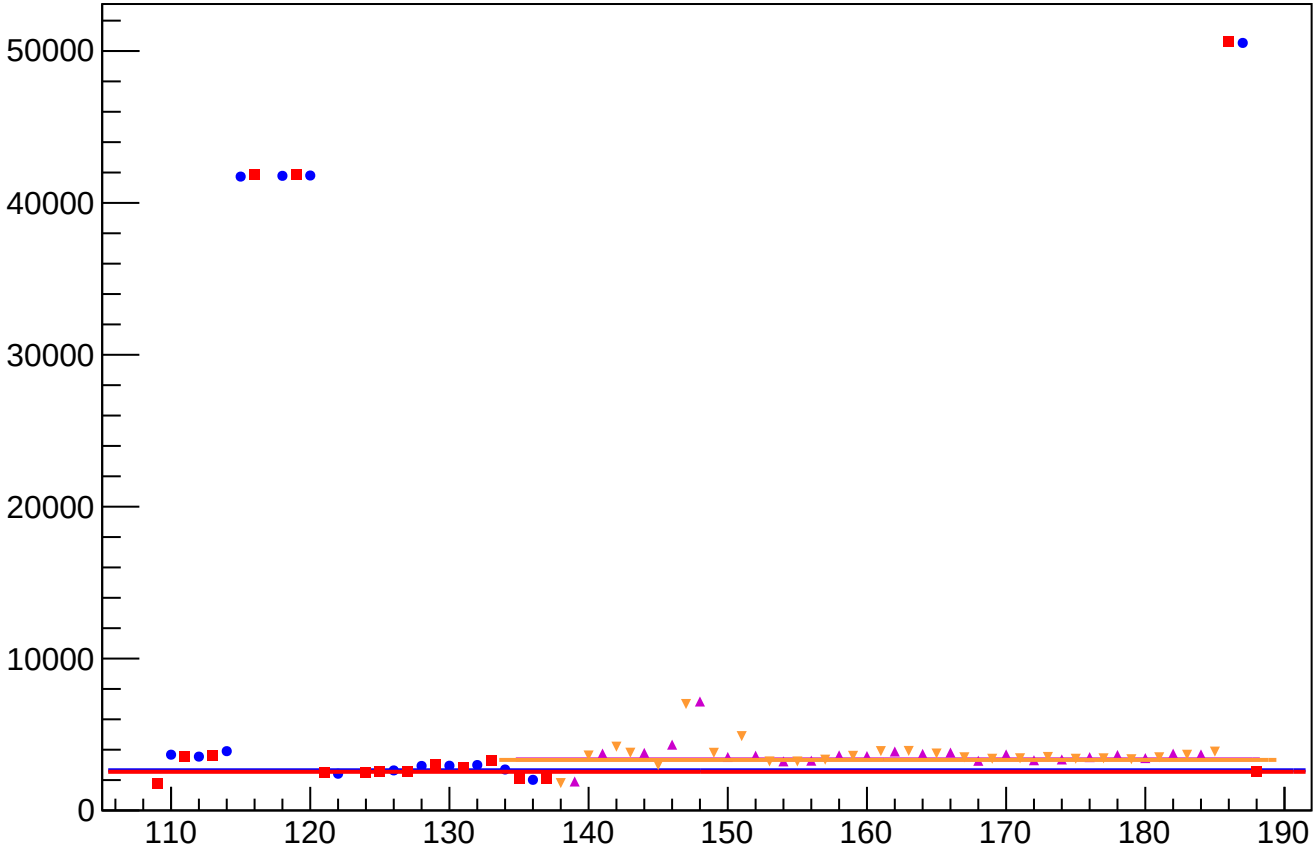
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.643+/-0.663 χ^2/NDF: 57.2/38

All: -0.889+/-0.468 χ^2/NDF: 90.3/77

- sign -1.133+/-0.661 χ^2/NDF: 32.8/38

diff_bpm1p02bY_rms vs Slug



Right In: 2645.465+/-0.883 χ^2/NDF: 2512785.4/13

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2544.571+/-0.811 χ^2/NDF: 2697025.3/15

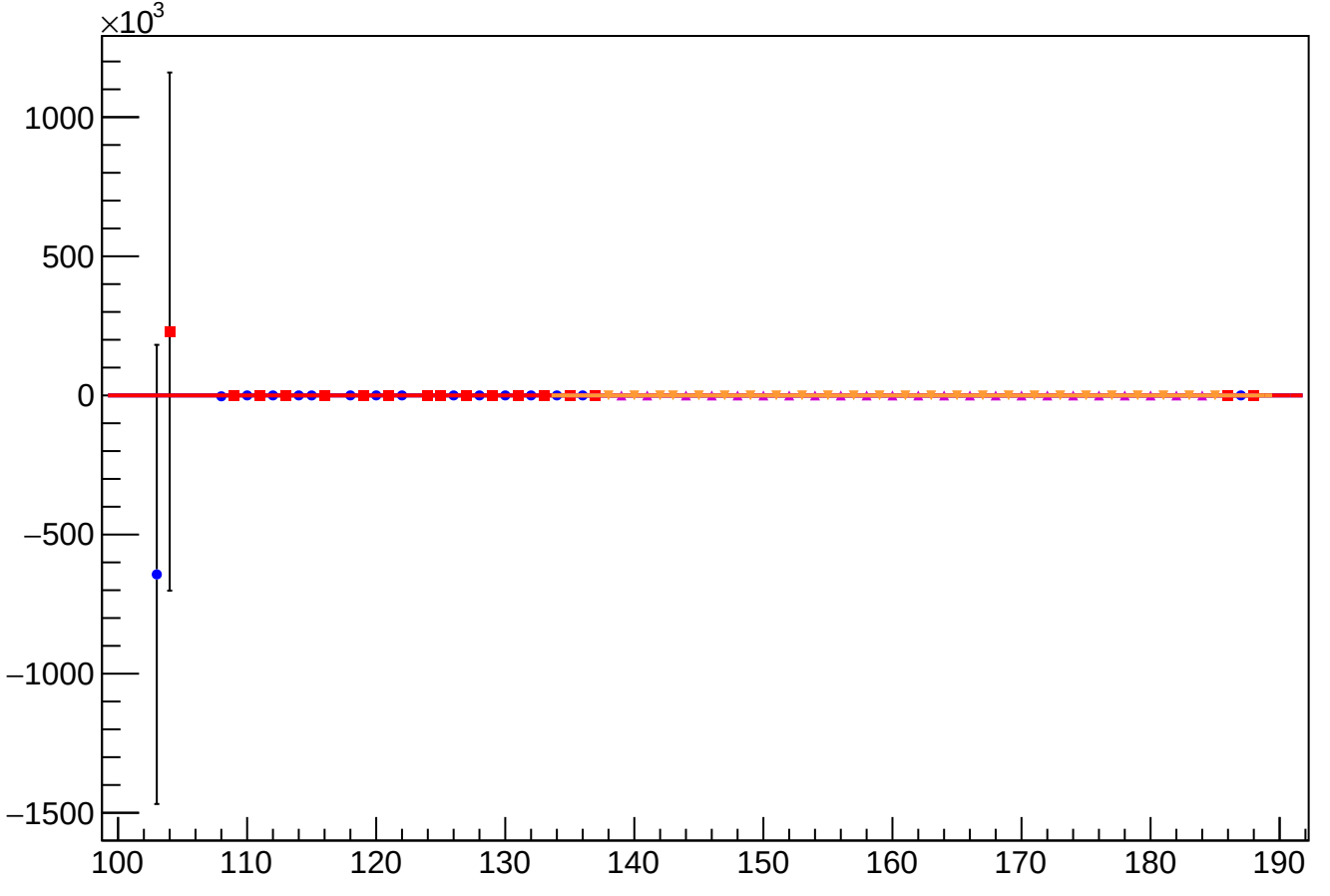
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 3135.775+/-0.469 χ^2/NDF: 4858072.8/38

All: 3112.514+/-0.331 χ^2/NDF: 9885462.5/77

- sign 3089.347+/-0.468 χ^2/NDF: 5022472.4/38

diff_bpm1p03aX_mean vs Slug



Right In: -1.212+/-1.125 χ^2/NDF: 18.8/15

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -2.949+/-1.135 χ^2/NDF: 19.5/16

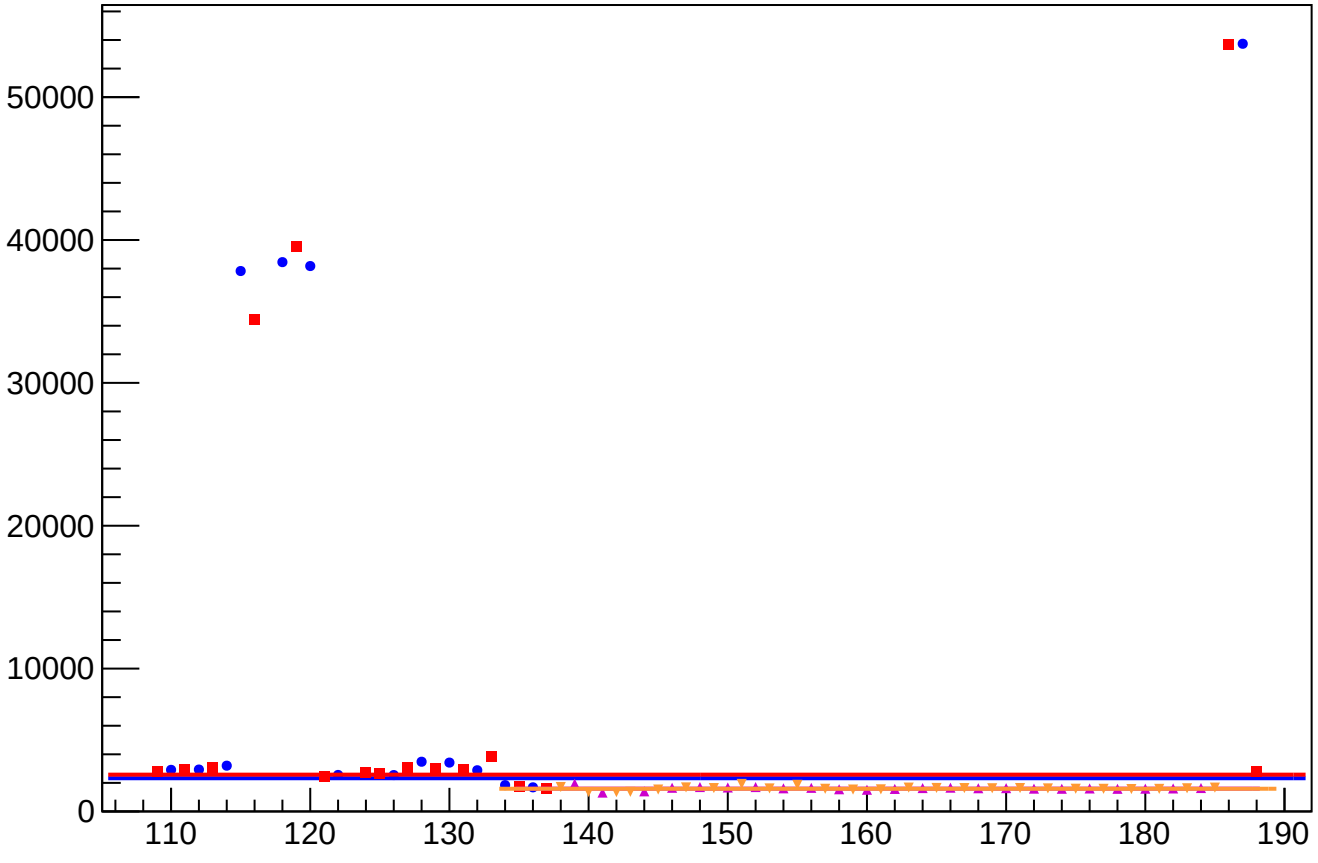
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.539+/-0.345 χ^2/NDF: 69.2/40

All: -0.925+/-0.248 χ^2/NDF: 128.7/80

- sign -0.274+/-0.356 χ^2/NDF: 53.0/39

diff_bpm1p03aX_rms vs Slug



Right In: 2324.705+/-0.796 χ^2/NDF: 2807360.9/13

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

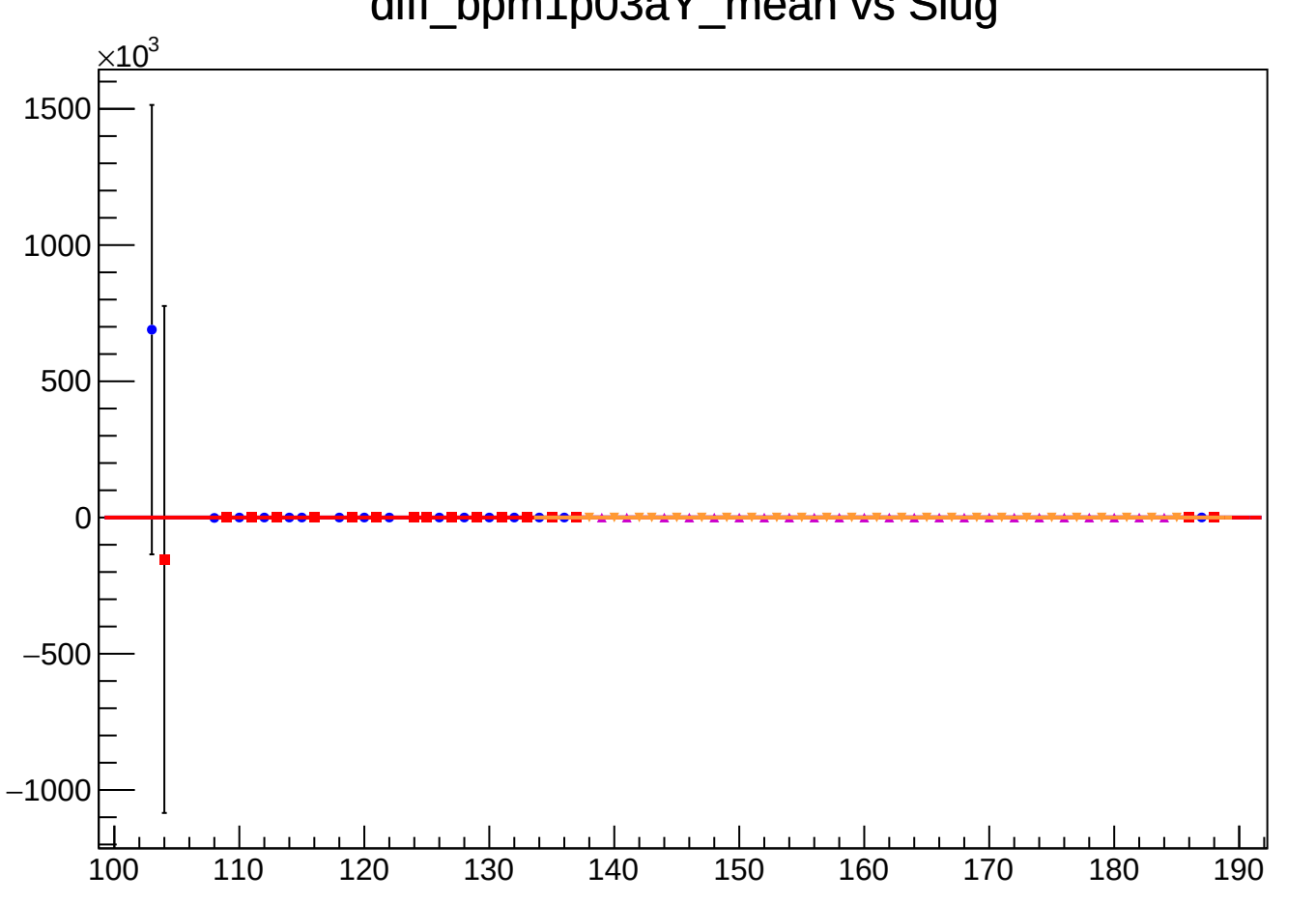
Right Out: 2576.190+/-0.802 χ^2/NDF: 2797925.8/15

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1658.758+/-0.244 χ^2/NDF: 3813281.3/38

All: 1675.098+/-0.175 χ^2/NDF: 8162589.0/77

- sign 1692.418+/-0.251 χ^2/NDF: 4340086.6/38



Right In: 1.726+/-1.076 χ^2/NDF: 9.1/15

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -2.162+/-0.992 χ^2/NDF: 16.5/16

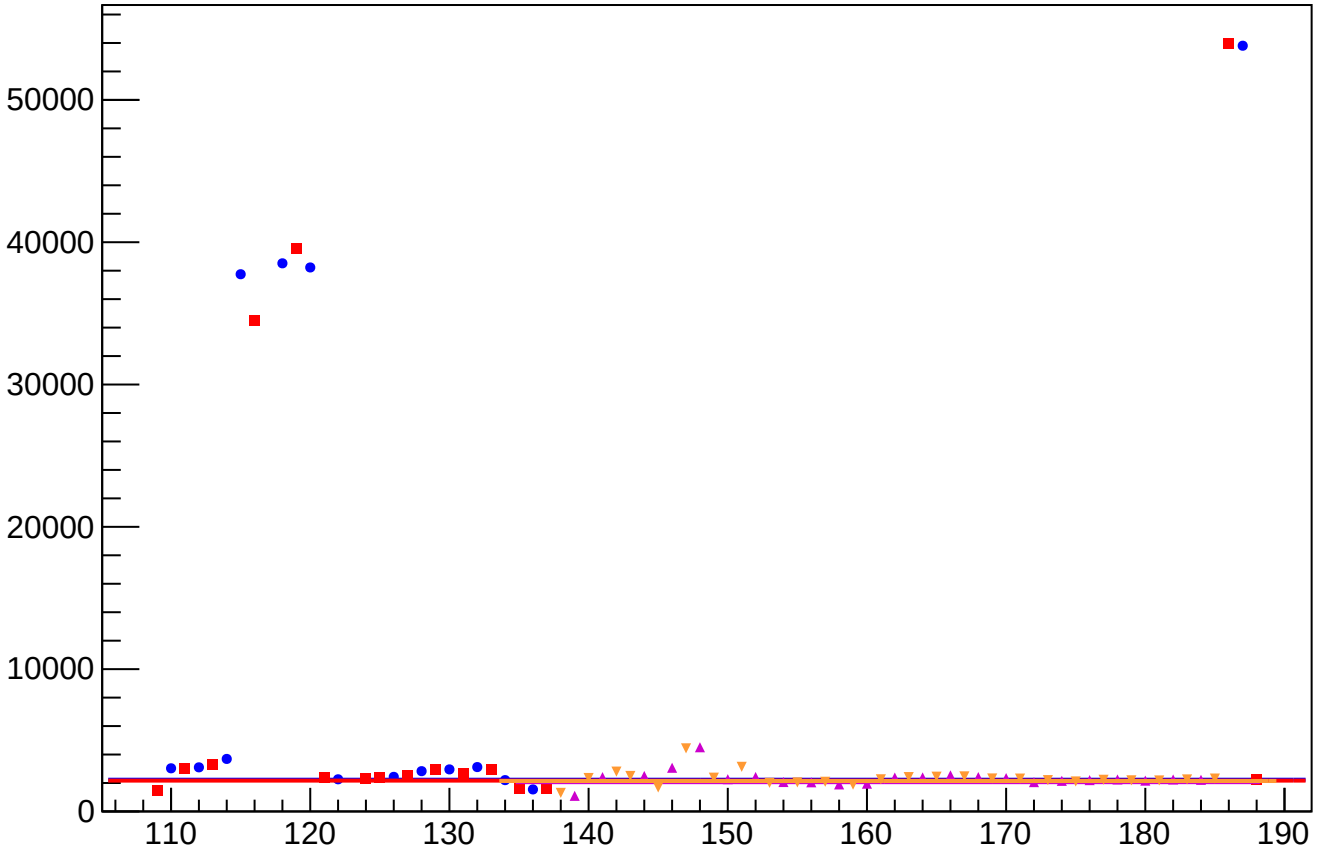
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.659+/-0.455 χ^2/NDF: 39.4/40

All: -0.497+/-0.319 χ^2/NDF: 77.3/80

- sign -0.340+/-0.447 χ^2/NDF: 37.6/39

diff_bpm1p03aY_rms vs Slug



Right In: 2230.844+/-0.761 χ^2/NDF: 2869499.1/13

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

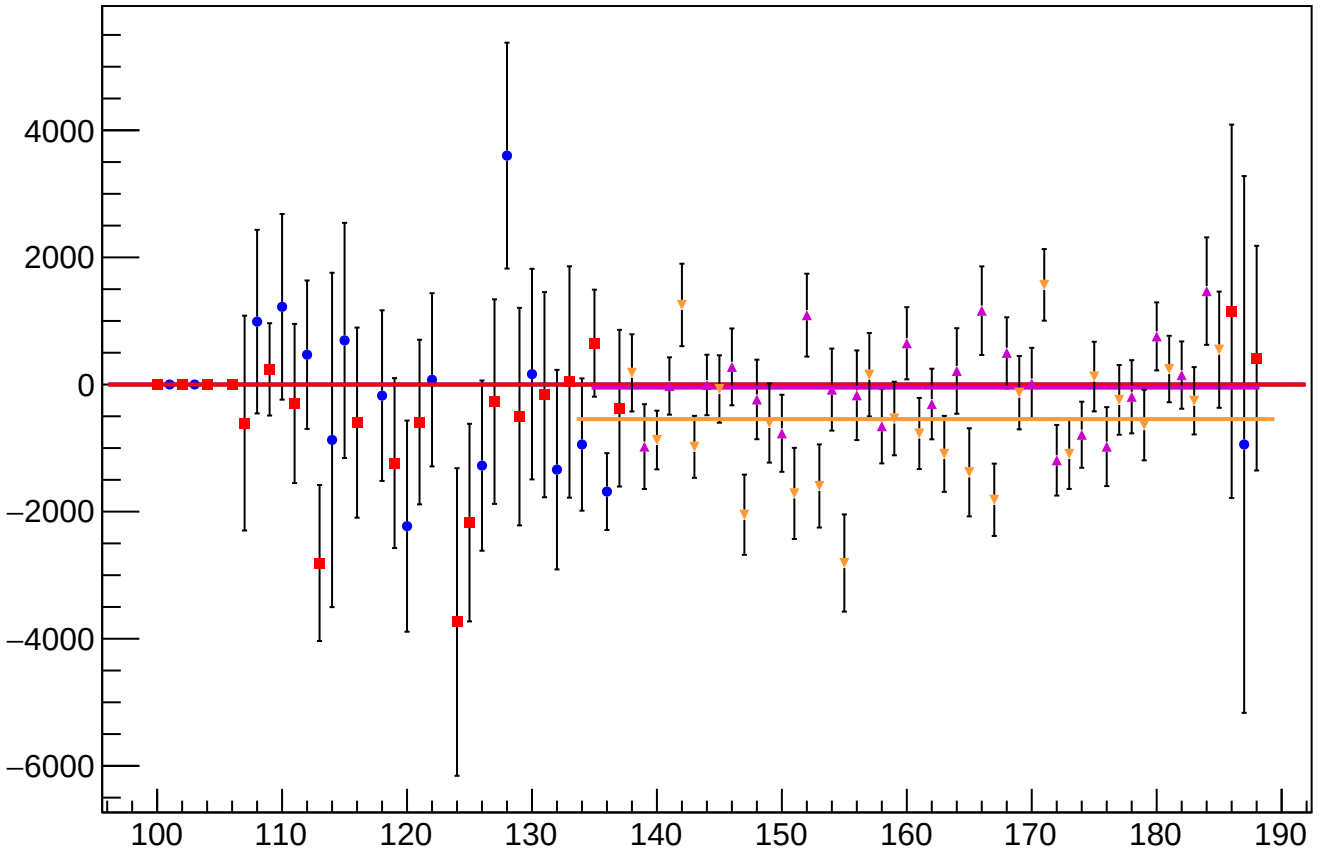
Right Out: 2168.036+/-0.702 χ^2/NDF: 2995602.4/15

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2155.638+/-0.322 χ^2/NDF: 4361391.6/38

All: 2117.435+/-0.226 χ^2/NDF: 9697794.6/77

- sign 2080.549+/-0.316 χ^2/NDF: 5308727.2/38



Right In: 0.255+/-0.356 χ^2/NDF: 17.8/16

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: 0.096+/-0.328 χ^2/NDF: 15.6/20

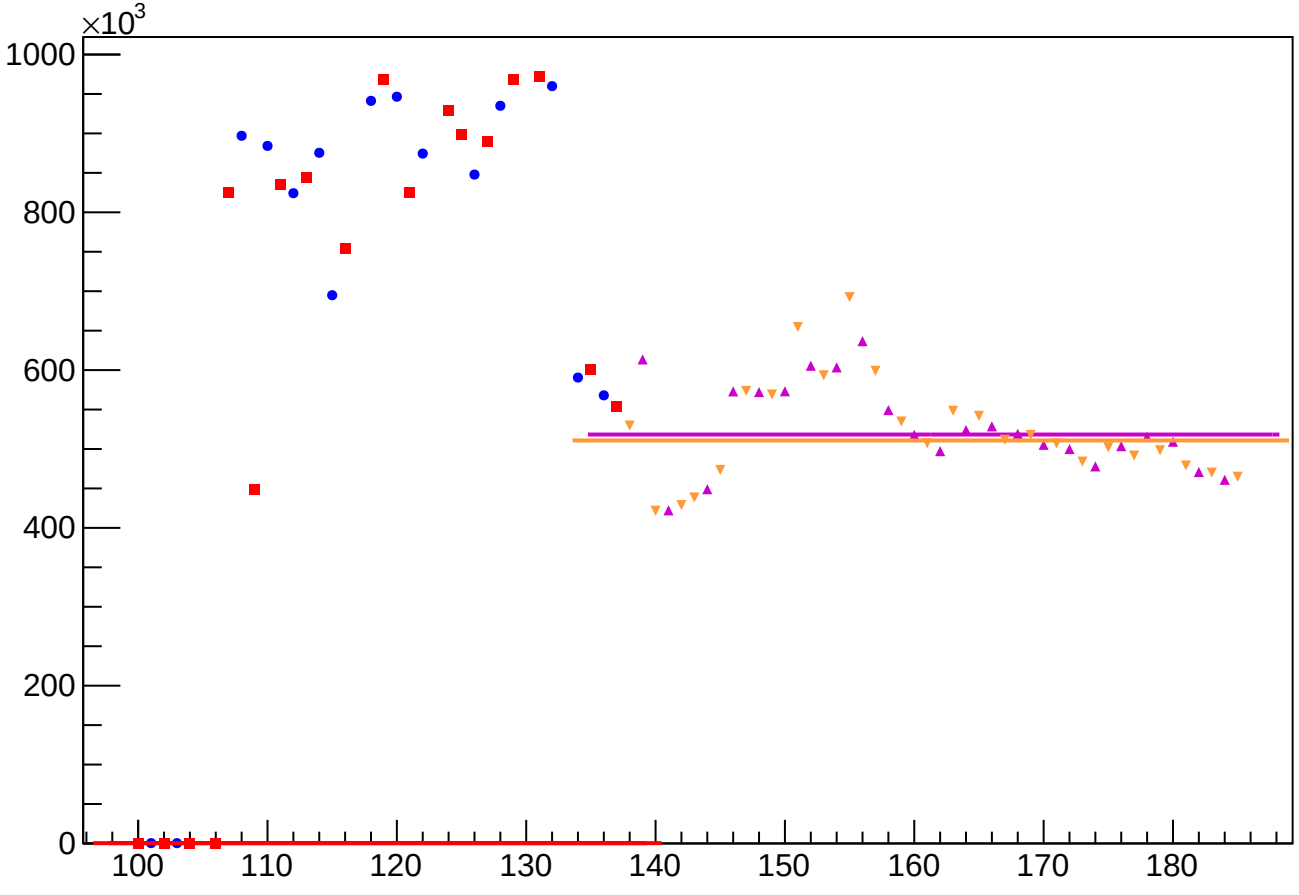
Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 100.3/41

All: 0.167+/-0.241 χ^2/NDF: 144.1/85

- sign 0.096+/-0.328 χ^2/NDF: 43.7/43

diff_cav4bX_rms vs Slug



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

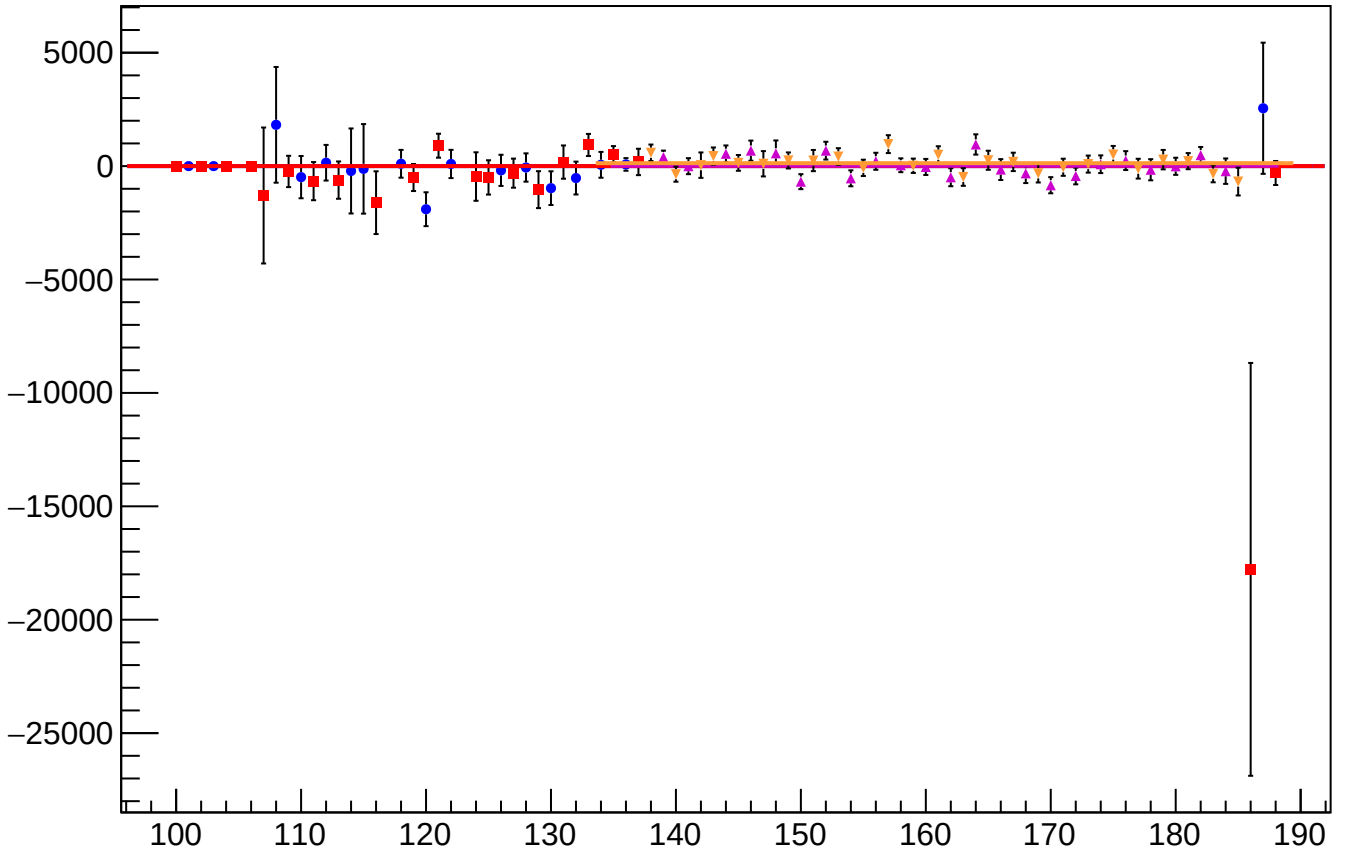
Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.585+/-0.251 χ^2/NDF: 46963659.1/39

All: 400.015+/-0.170 χ^2/NDF: 91096408.7/80

- sign 396.983+/-0.232 χ^2/NDF: 44132377.0/40



Right In: -0.020+/-0.347 χ^2/NDF: 11.2/16

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

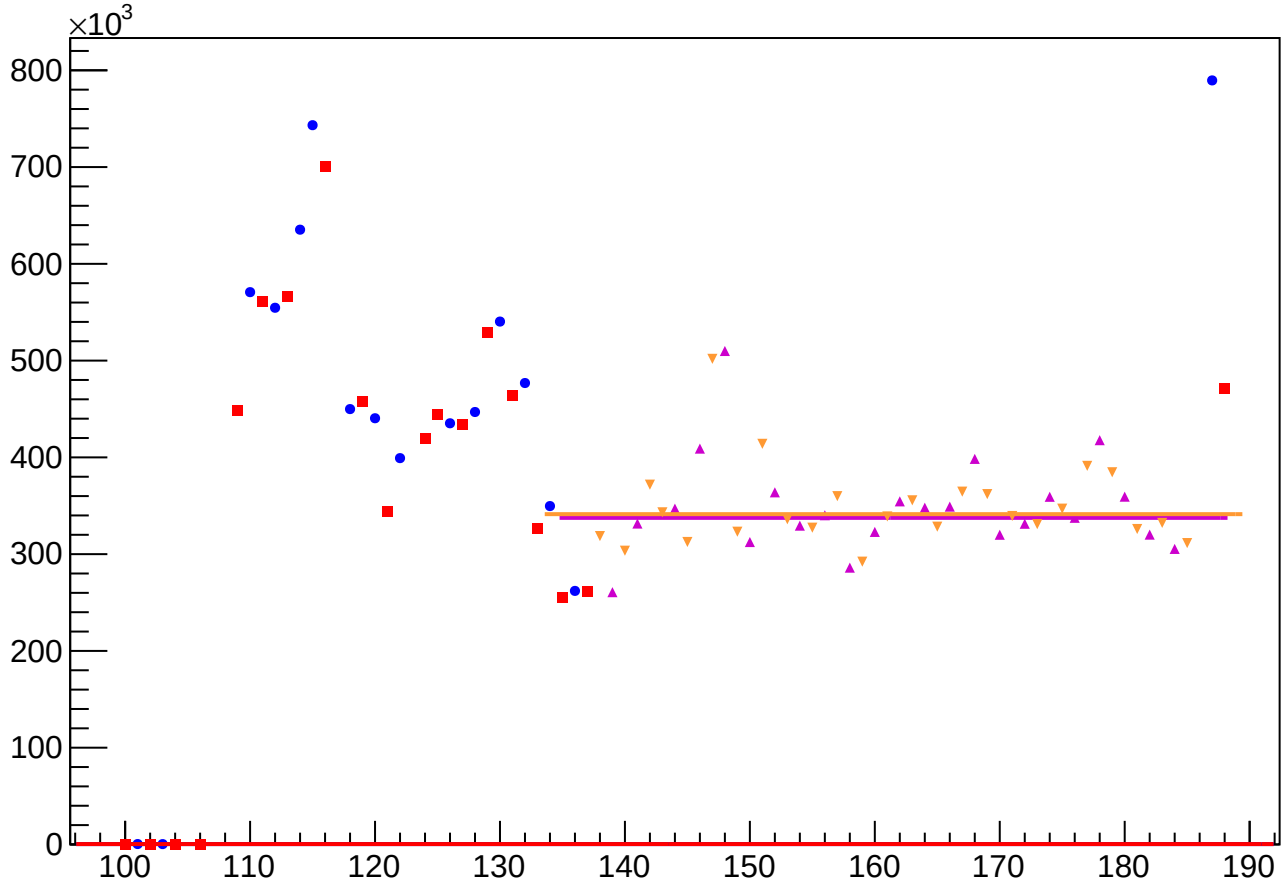
Right Out: 0.599+/-0.324 χ^2/NDF: 19.1/20

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.018+/-0.347 χ^2/NDF: 34.1/41

All: 0.312+/-0.237 χ^2/NDF: 88.6/85

- sign 0.599+/-0.324 χ^2/NDF: 52.9/43



Right In: 390.278+/-0.245 χ^2/NDF: 11168648.3/15

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 388.156+/-0.229 χ^2/NDF: 12613785.5/18

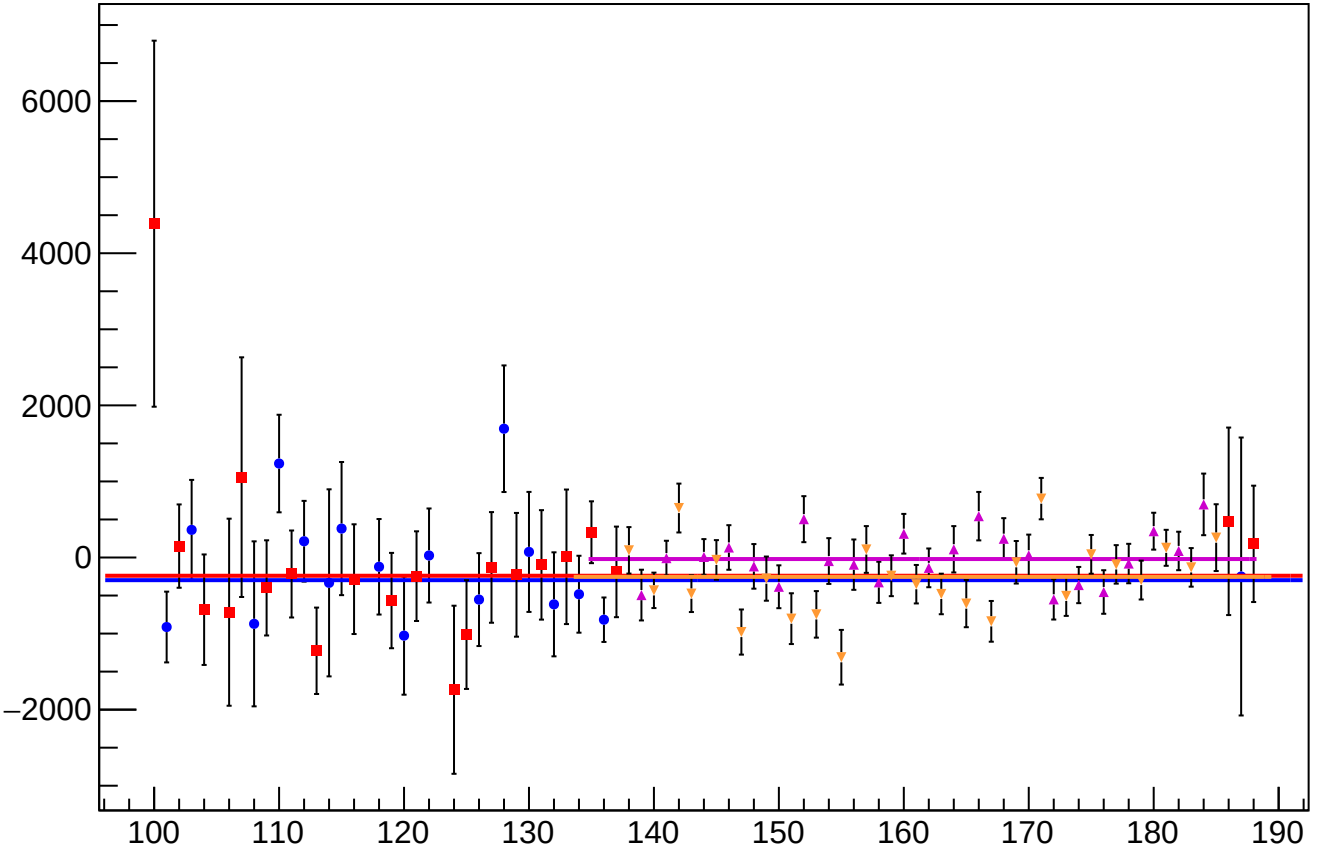
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 396.987+/-0.245 χ^2/NDF: 49539558.2/40

All: 395.235+/-0.167 χ^2/NDF: 98472596.7/82

- sign 393.710+/-0.229 χ^2/NDF: 48932943.1/41

diff_cav4cX_mean vs Slug



Right In: -297.948+/-146.890 χ^2/NDF: 21.2/16

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: -239.771+/-152.226 χ^2/NDF: 14.5/20

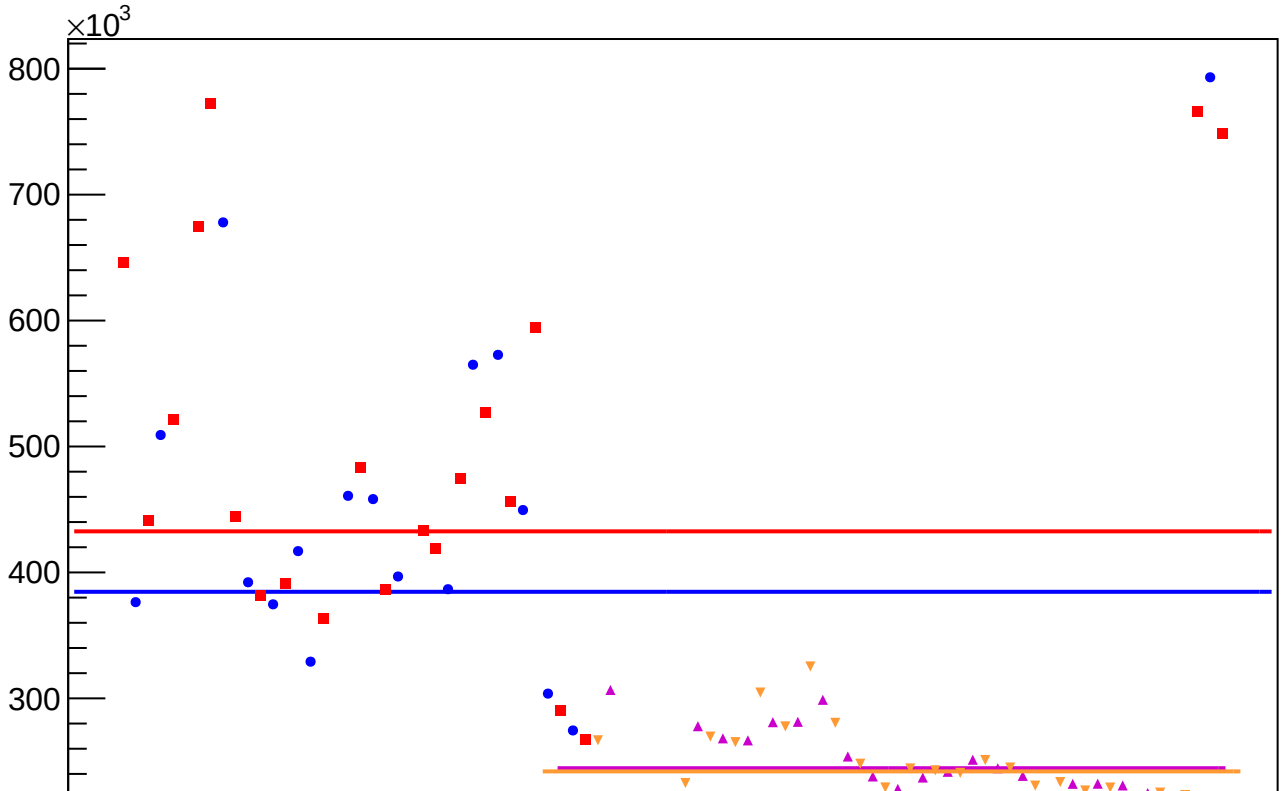
Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -259.801+/-51.850 χ^2/NDF: 82.5/41

All: -157.562+/-37.326 χ^2/NDF: 135.6/85

- sign -47.581+/-53.777 χ^2/NDF: 45.0/43

diff_cav4cX_rms vs Slug



Right In: 384619.360+/-103.886 χ^2/NDF: 937098.9/16

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 432614.802+/-107.725 χ^2/NDF: 1263908.5/20

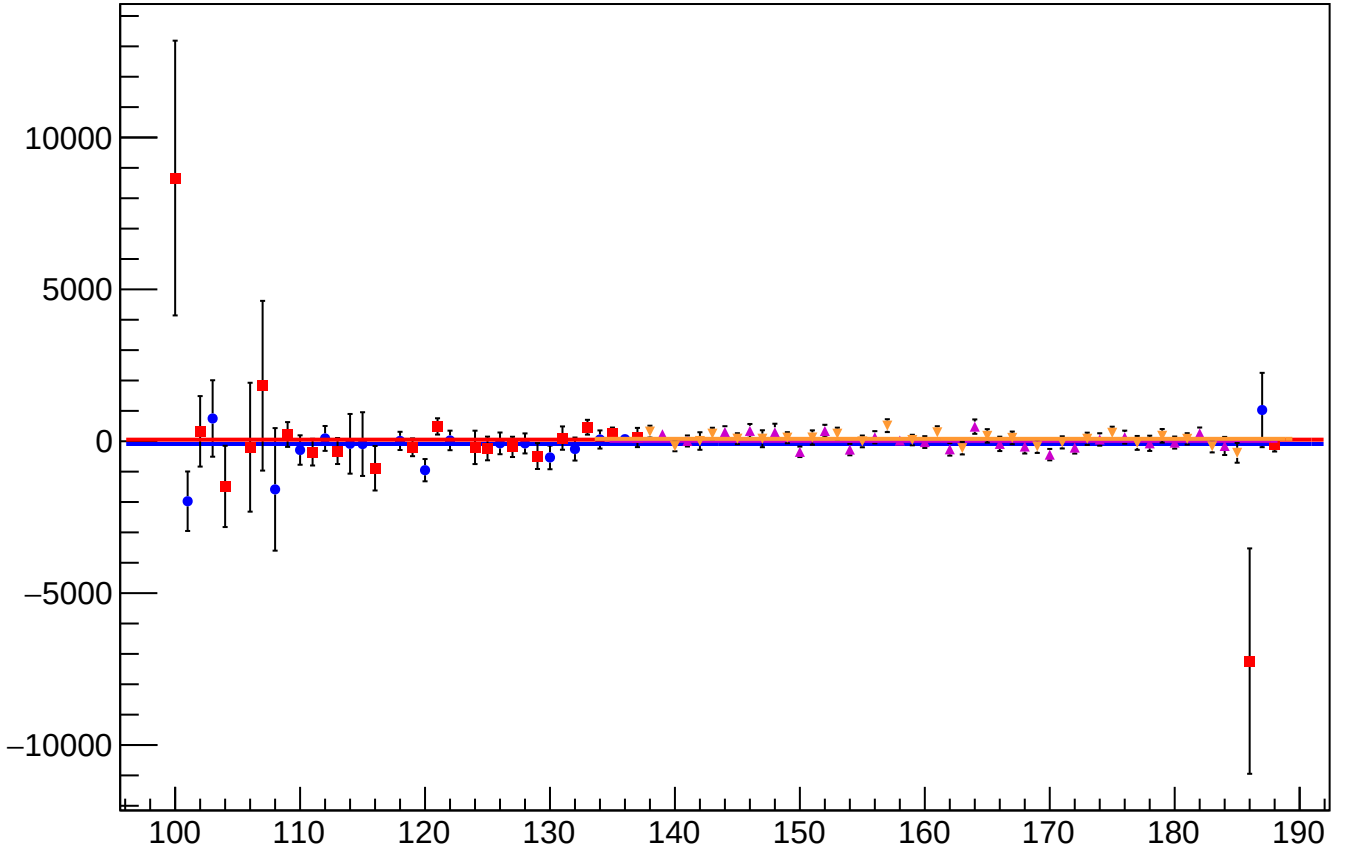
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 259772.340+/-36.664 χ^2/NDF: 3000088.6/41

All: 263727.071+/-26.395 χ^2/NDF: 7317798.

- sign 267981.889+/-38.030 χ^2/NDF: 4293558.0/43

diff_cav4cY_mean vs Slug



Right In: -90.026+/-88.038 χ^2/NDF: 14.5/16

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 52.559+/-81.219 χ^2/NDF: 23.6/20

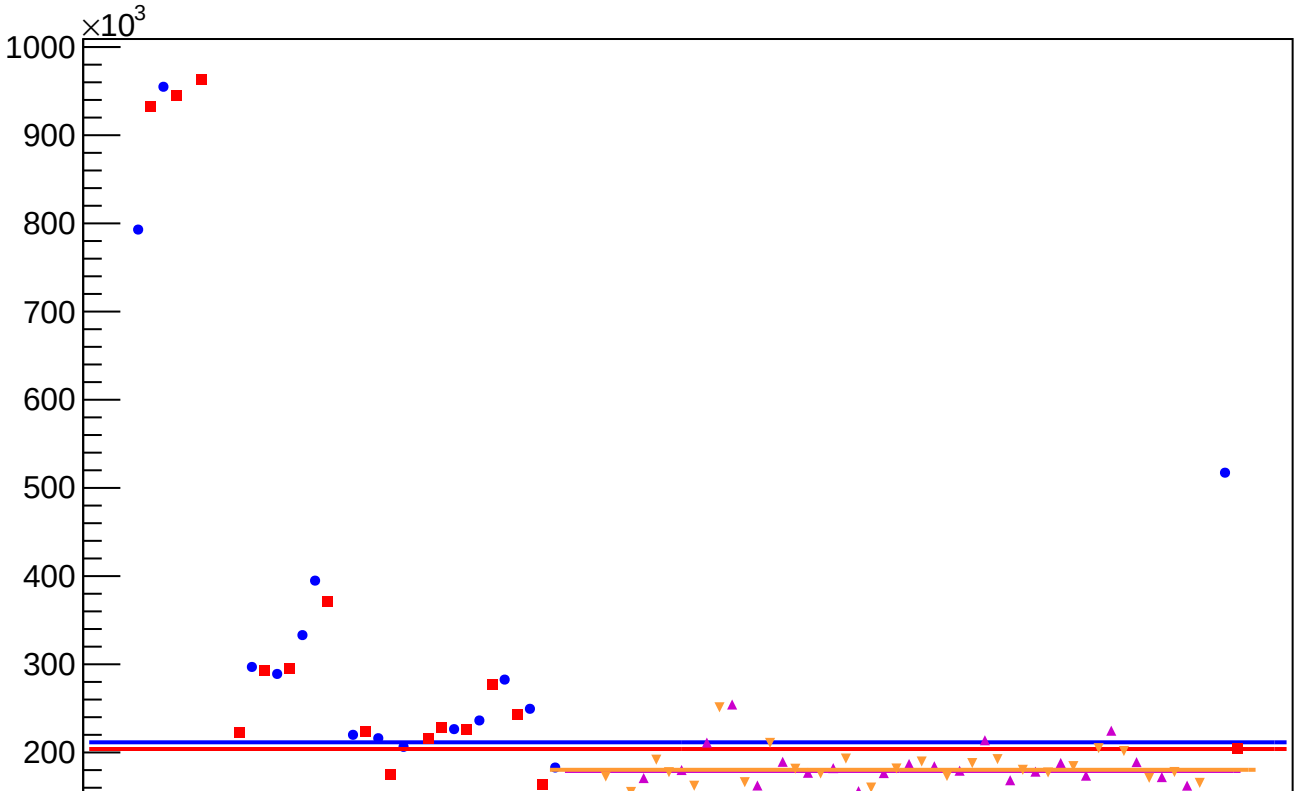
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 48.917+/-37.391 χ^2/NDF: 37.3/41

All: 35.603+/-26.467 χ^2/NDF: 94.6/85

- sign 22.232+/-37.470 χ^2/NDF: 57.0/43

diff_cav4cY_rms vs Slug



Right In: 211526.441+/-62.360 χ^2/NDF: 2085481.4/15

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 203939.298+/-57.568 χ^2/NDF: 2070519.3/17

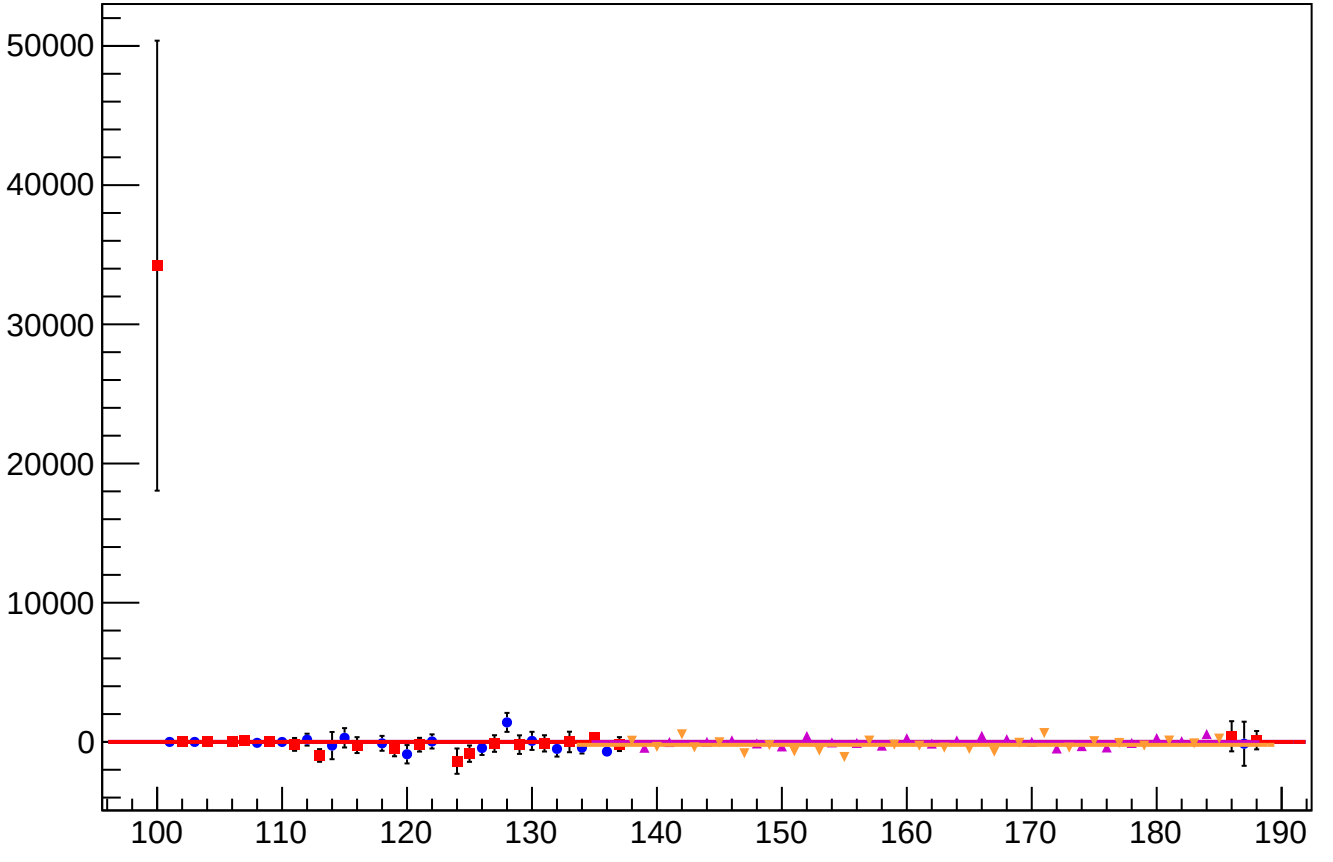
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 185951.801+/-26.447 χ^2/NDF: 2637157.8/40

All: 185131.441+/-18.723 χ^2/NDF: 5358601.

- sign 184307.269+/-26.509 χ^2/NDF: 2719514.7/40

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/16

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: -0.355+/-0.160 χ^2/NDF: 16.7/20

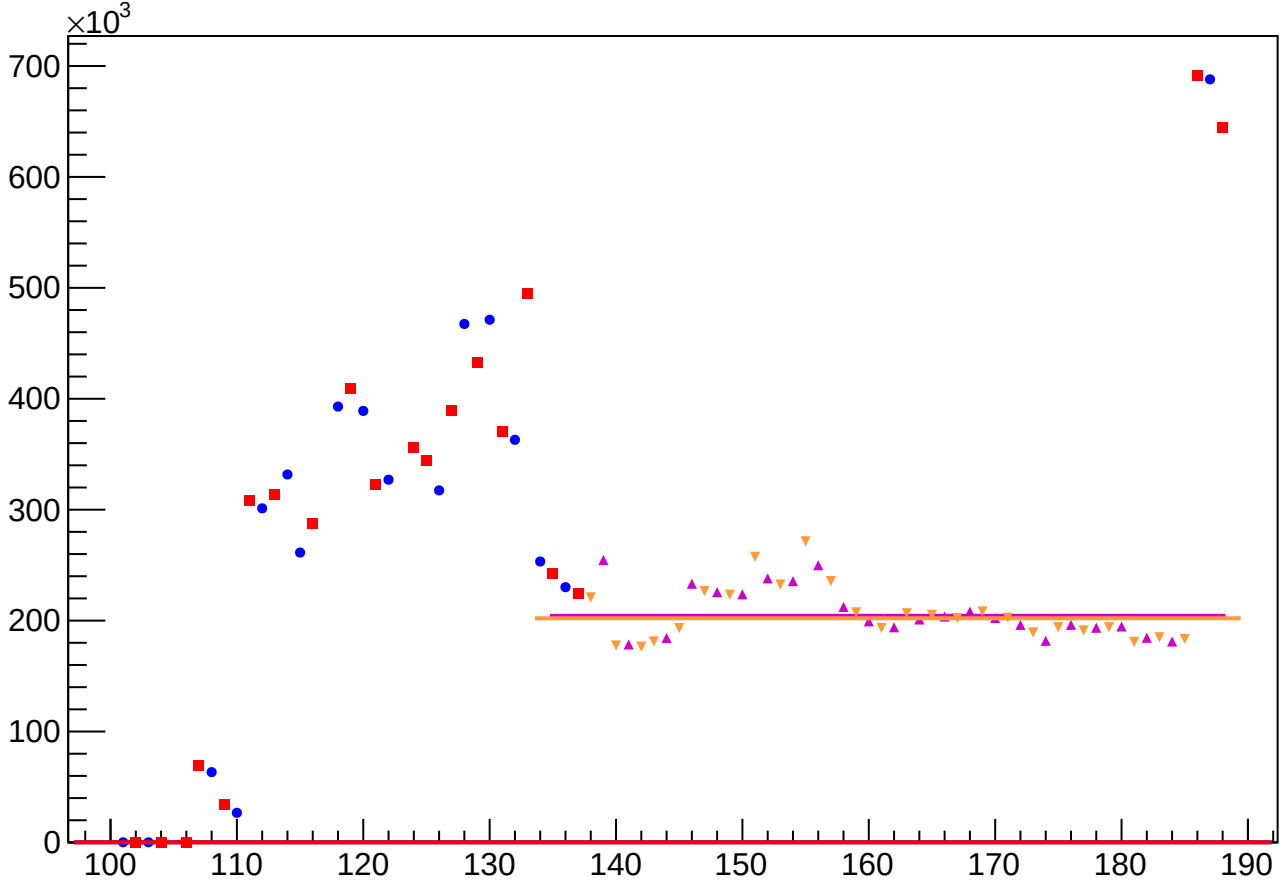
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 99.9/41

All: -0.208+/-0.117 χ^2/NDF: 147.2/85

- sign -0.355+/-0.160 χ^2/NDF: 45.4/43

diff_cav4dX_rms vs Slug



Right In: 149.100+/-0.122 χ^2/NDF: 11678889.8/16

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.432+/-0.113 χ^2/NDF: 14015913.8/19

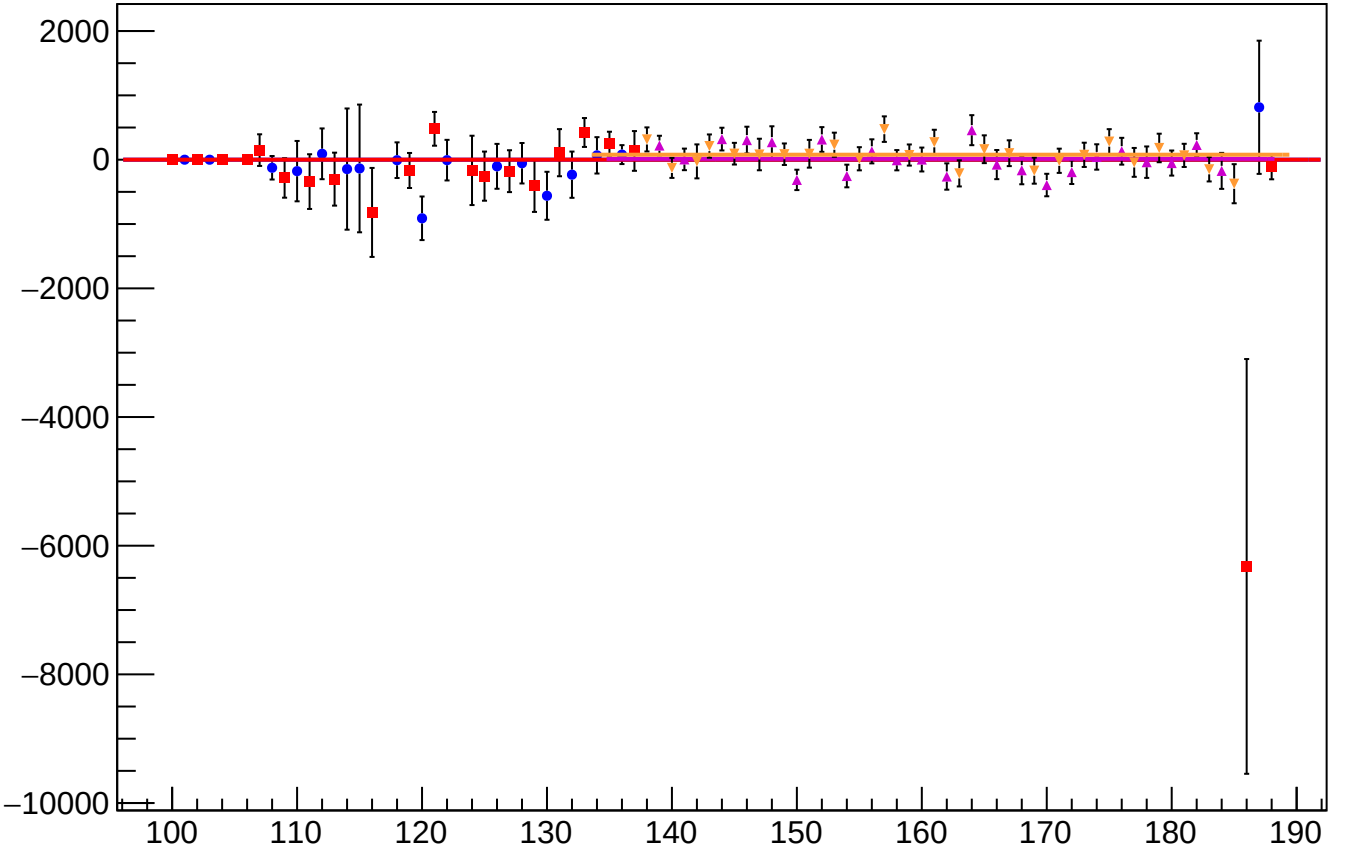
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 151.897+/-0.122 χ^2/NDF: 50174760.3/41

All: 151.791+/-0.083 χ^2/NDF: 100693438.2/8

- sign 151.701+/-0.113 χ^2/NDF: 50518676.5/42

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.8/16

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.126+/-0.166 χ^2/NDF: 19.4/20

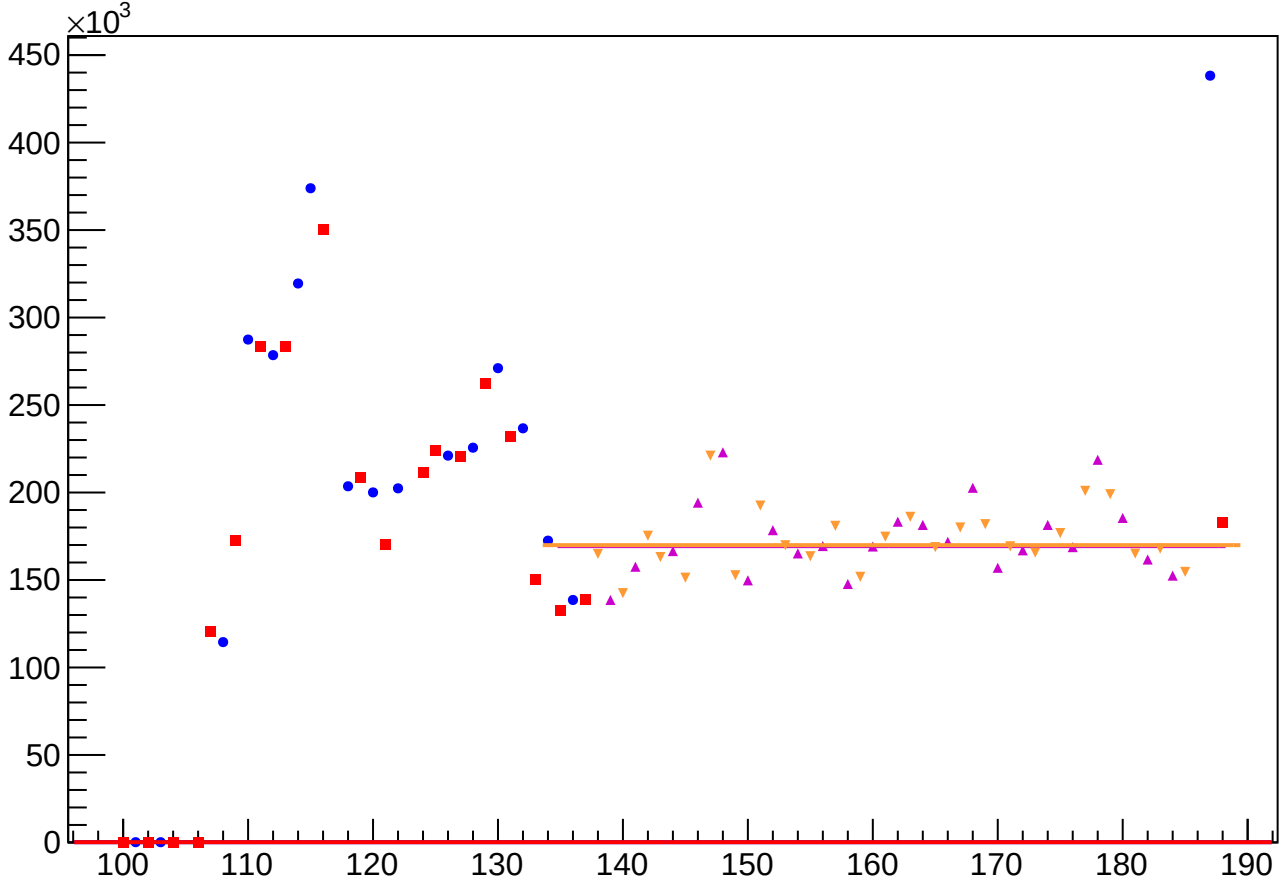
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.066+/-0.177 χ^2/NDF: 34.9/41

All: 0.036+/-0.121 χ^2/NDF: 87.7/85

- sign 0.126+/-0.166 χ^2/NDF: 52.2/43

diff_cav4dY_rms vs Slug



Right In: 153.473+/-0.125 χ^2/NDF: 12263003.9/16

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 156.290+/-0.118 χ^2/NDF: 13076296.7/19

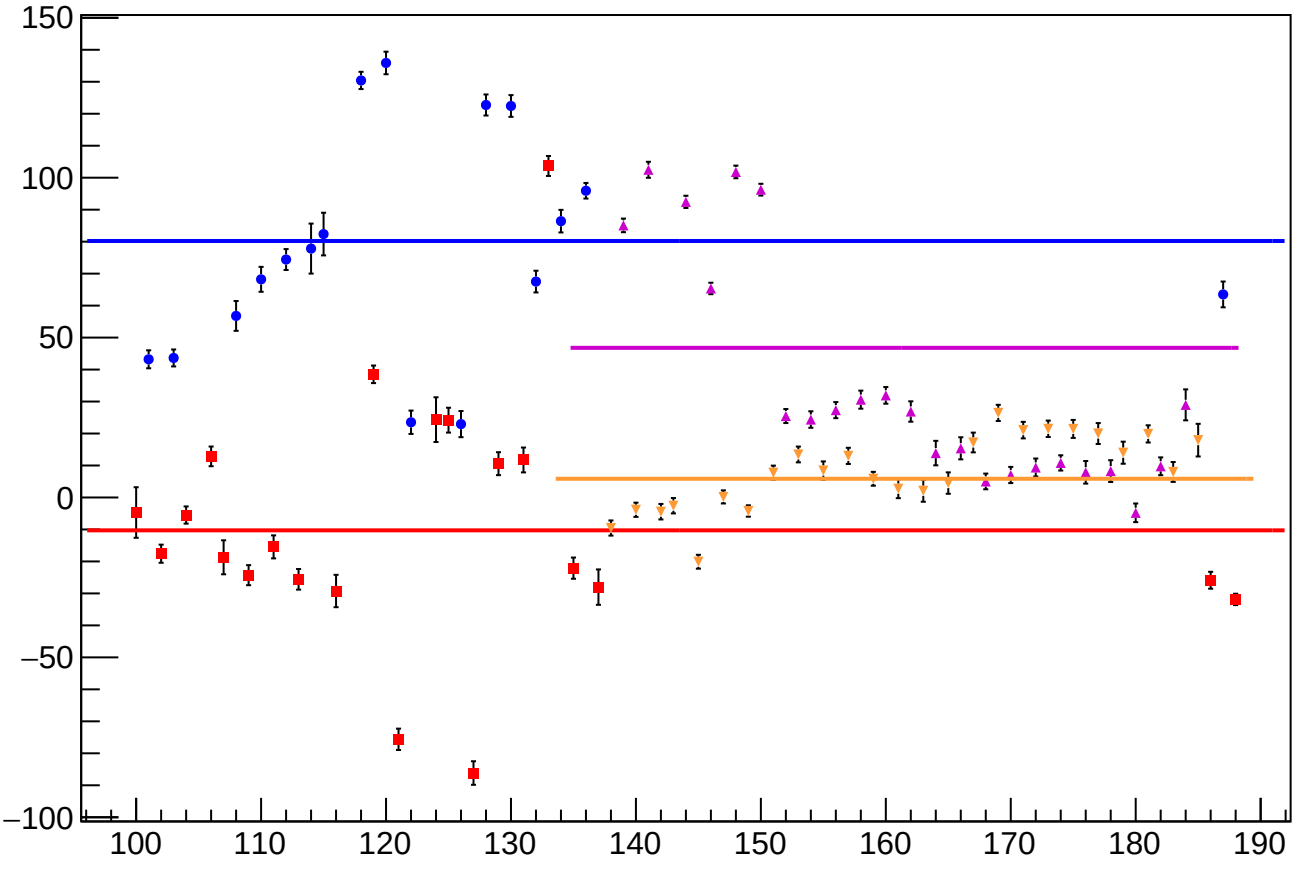
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 156.993+/-0.125 χ^2/NDF: 50675127.0/41

All: 158.182+/-0.086 χ^2/NDF: 100136551.0/8

- sign 159.232+/-0.118 χ^2/NDF: 49461254.5/42

diff_bpm0i01X_mean vs Slug



Right In: 80.209+/-0.833 χ^2/NDF: 1831.8/16

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -10.278+/-0.717 χ^2/NDF: 2957.2/20

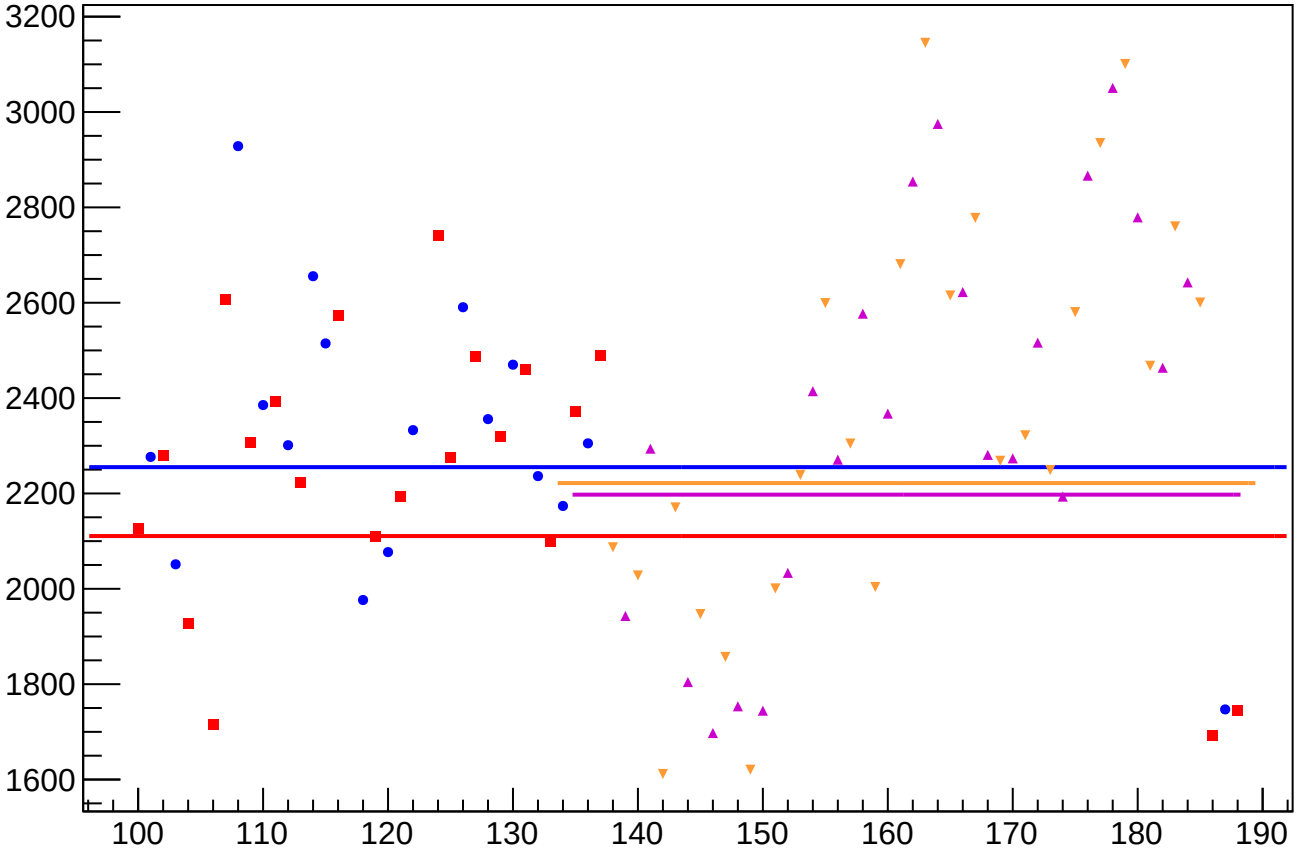
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

\+ sign 26.353+/-0.437 χ^2/NDF: 8137.5/41

All: 26.632+/-0.304 χ^2/NDF: 20400.1/85

\- sign 26.894+/-0.423 χ^2/NDF: 12261.8/43

diff_bpm0i01X_rms vs Slug



Right In: 2255.195+/-0.589 χ^2/NDF: 148970.5/16

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 2110.650+/-0.507 χ^2/NDF: 327204.7/20

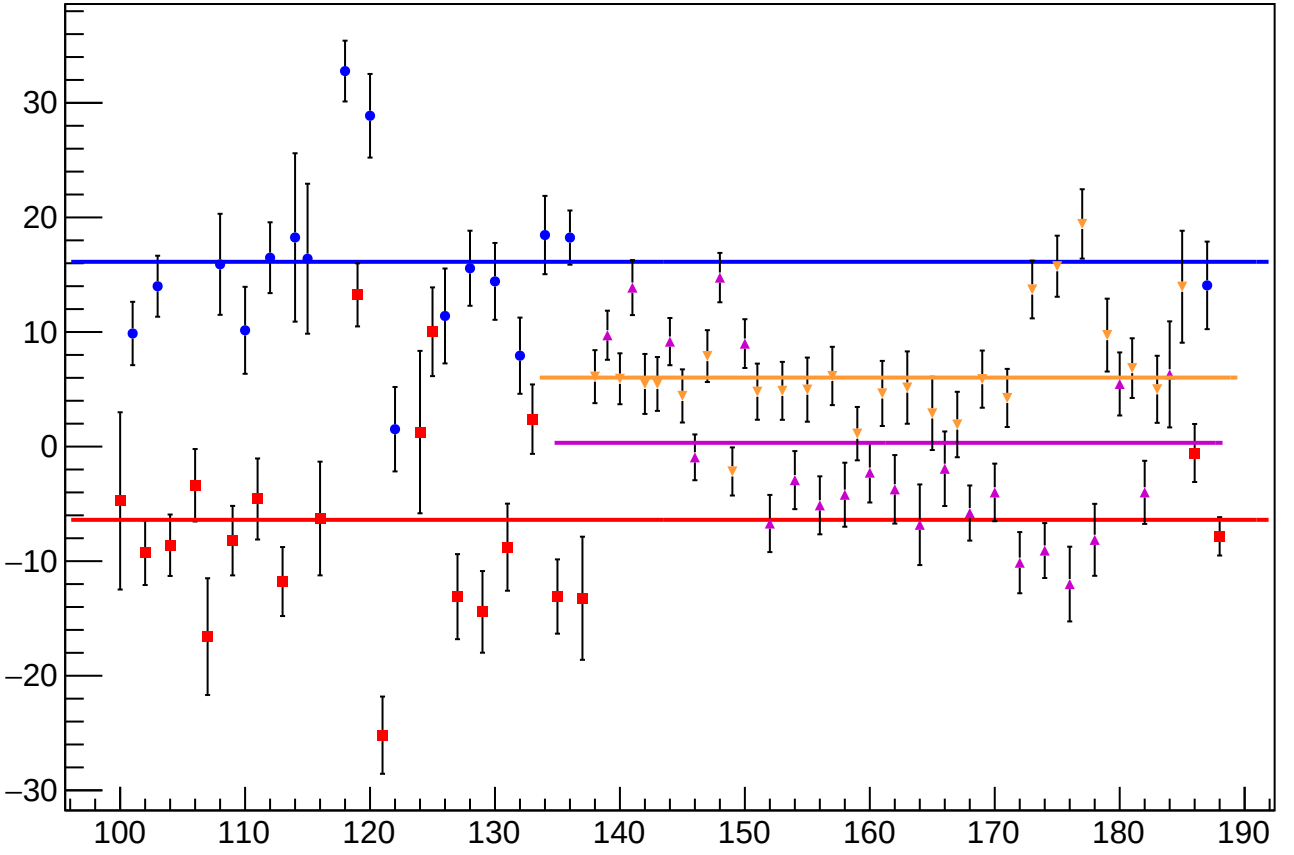
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2230.986+/-0.309 χ^2/NDF: 1335345.6/41

All: 2198.043+/-0.215 χ^2/NDF: 2808289.3/85

- sign 2167.197+/-0.299 χ^2/NDF: 1450978.6/43

diff_bpm0i01Y_mean vs Slug



Right In: 16.127+/-0.818 χ^2/NDF: 84.8/16

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -6.393+/-0.700 χ^2/NDF: 140.7/20

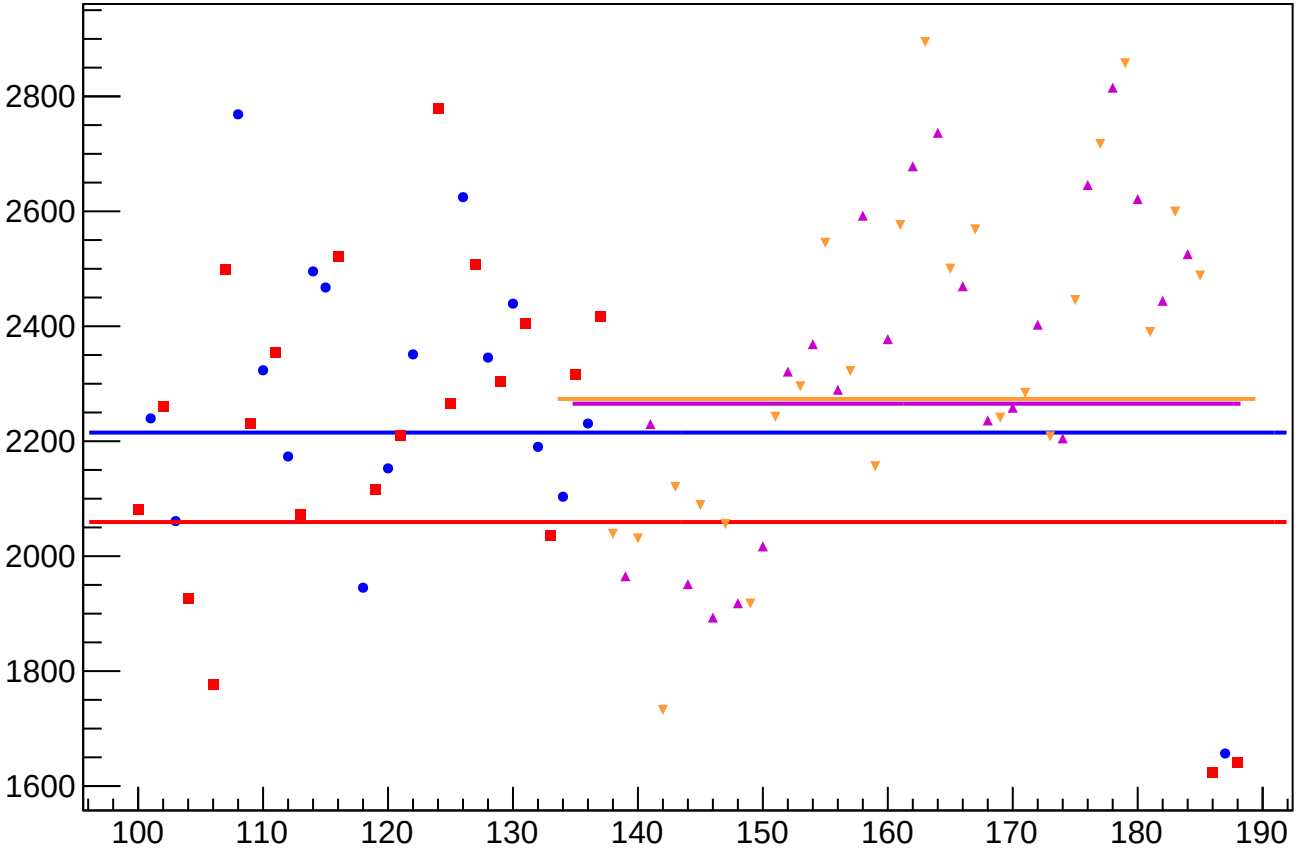
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.936+/-0.439 χ^2/NDF: 265.1/41

All: 3.209+/-0.305 χ^2/NDF: 1017.8/85

- sign -2.147+/-0.425 χ^2/NDF: 423.8/43

diff_bpm0i01Y_rms vs Slug



Right In: 2215.024+/-0.579 χ^2/NDF: 147015.9/16

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 2059.389+/-0.495 χ^2/NDF: 375877.1/20

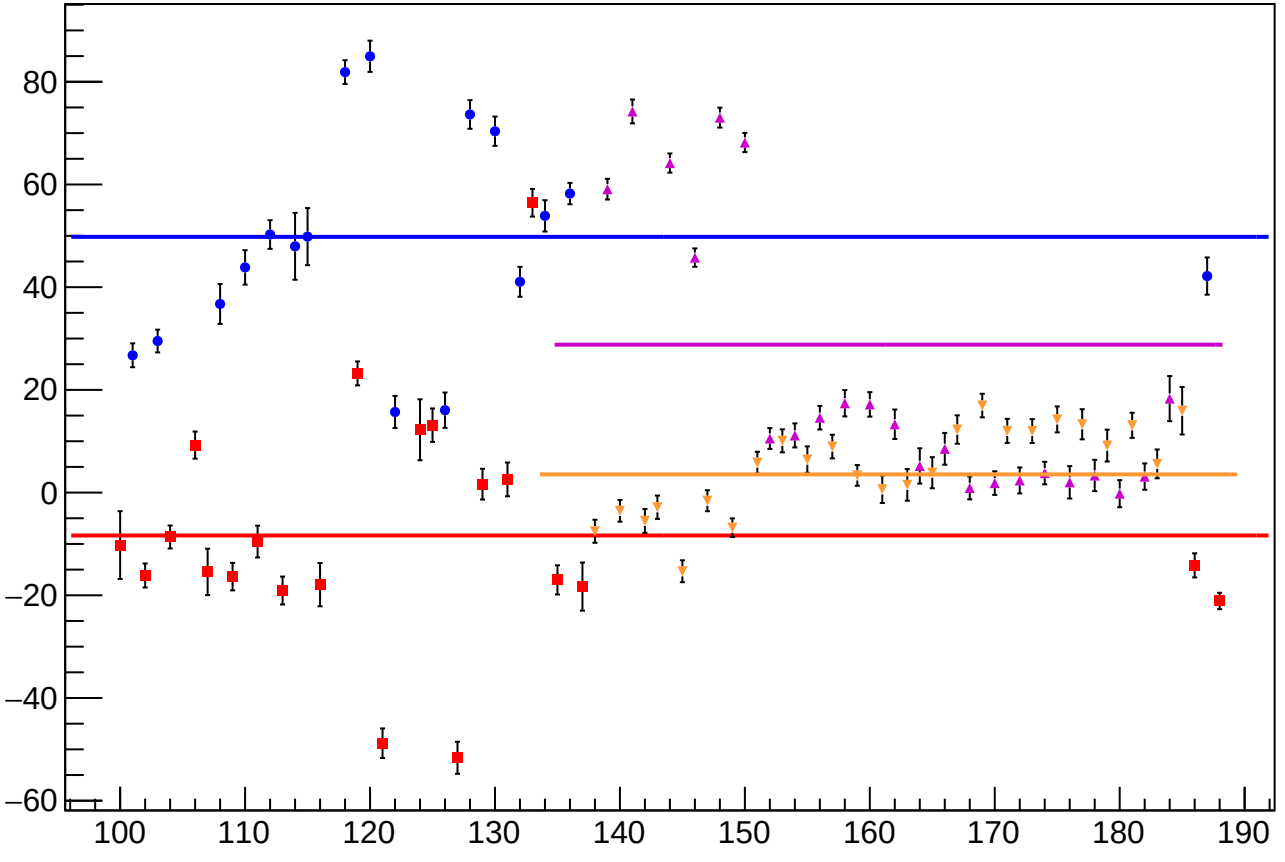
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2256.717+/-0.311 χ^2/NDF: 691152.7/41

All: 2221.951+/-0.216 χ^2/NDF: 1696321.1/85

- sign 2189.437+/-0.300 χ^2/NDF: 980933.5/43

diff_bpm0i01aX_mean vs Slug



Right In: 49.800+/-0.708 χ^2/NDF: 893.1/16

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -8.354+/-0.615 χ^2/NDF: 1398.8/20

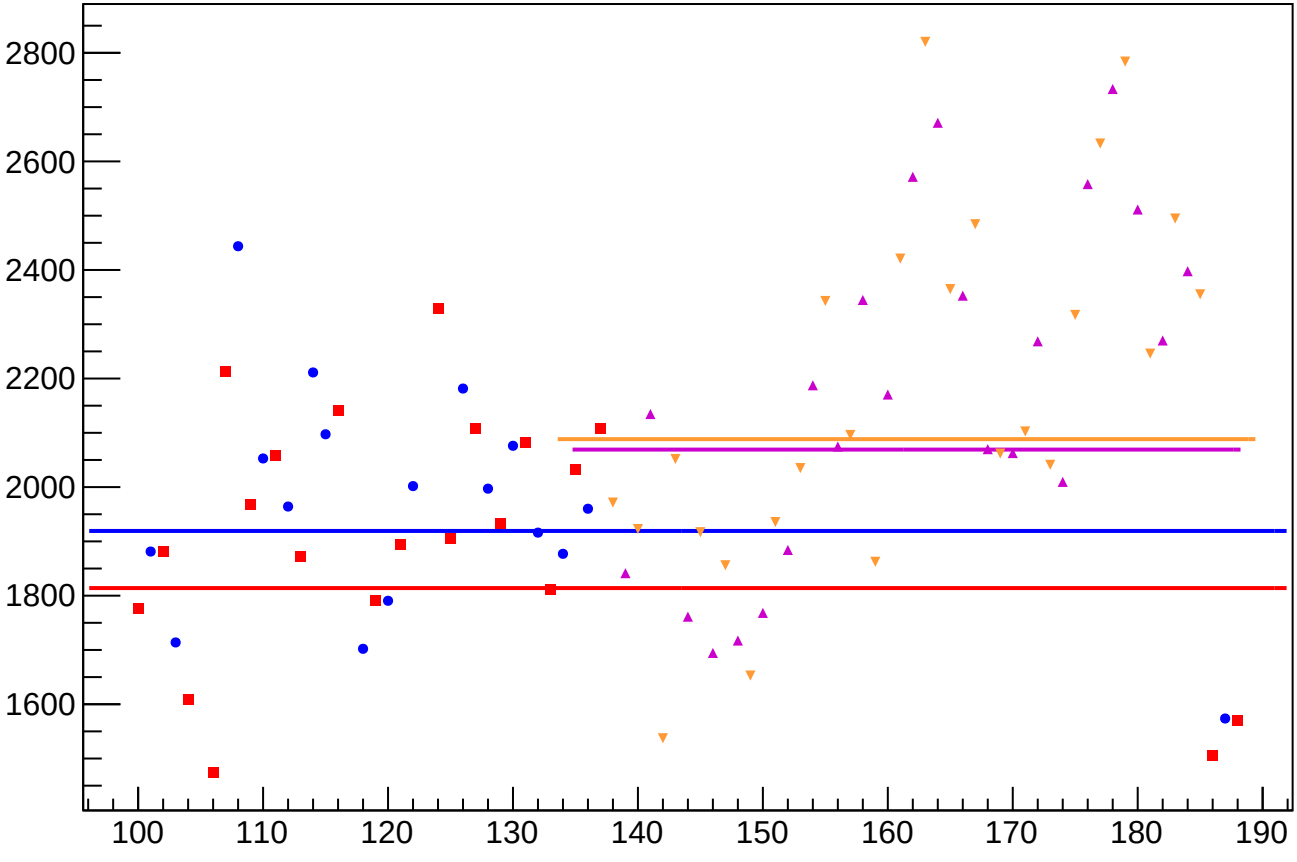
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 18.114+/-0.397 χ^2/NDF: 4134.8/41

All: 16.157+/-0.276 χ^2/NDF: 11074.4/85

- sign 14.335+/-0.384 χ^2/NDF: 6892.8/43

diff_bpm0i01aX_rms vs Slug



Right In: 1919.231+/-0.501 χ^2/NDF: 124802.1/16

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1814.004+/-0.435 χ^2/NDF: 253030.5/20

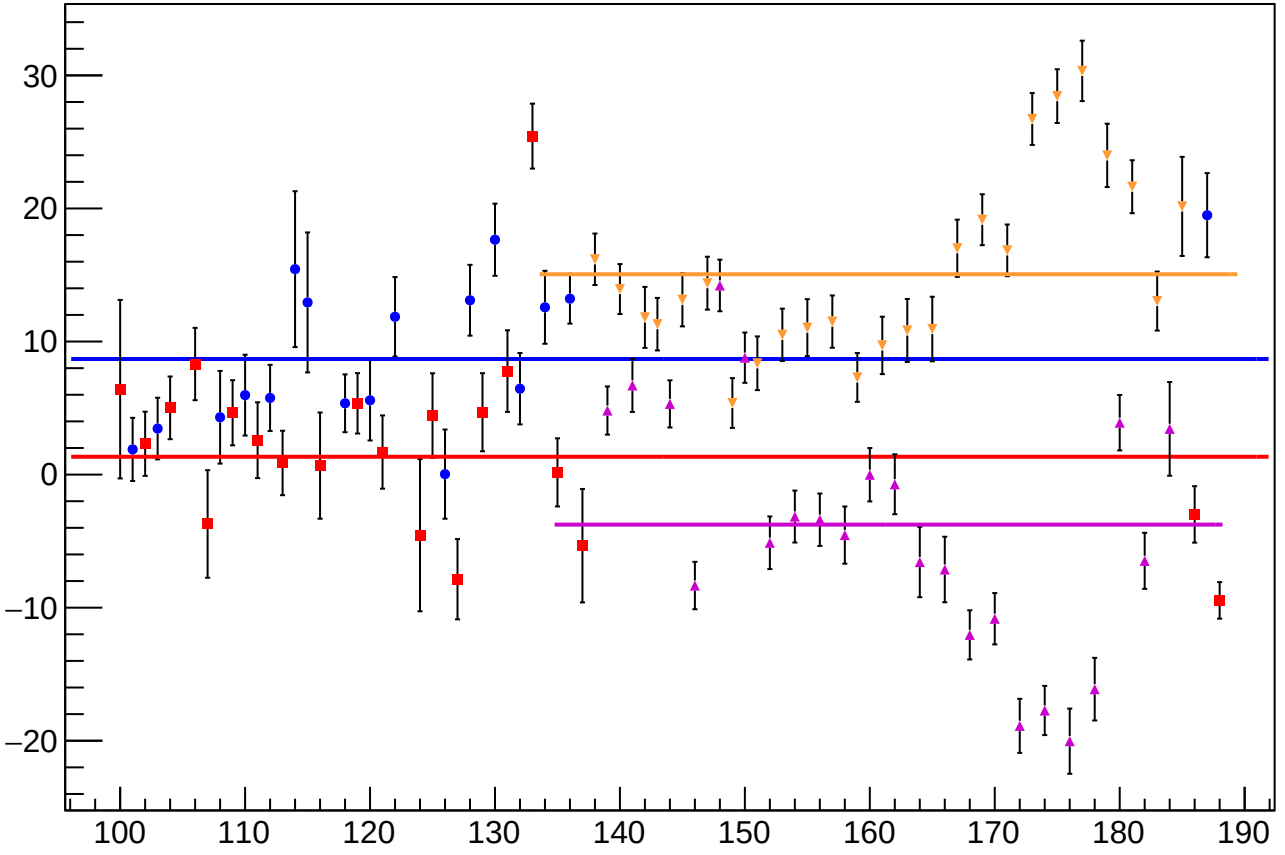
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 2035.081+/-0.281 χ^2/NDF: 990349.6/41

All: 2001.264+/-0.195 χ^2/NDF: 2193194.9/85

- sign 1969.778+/-0.271 χ^2/NDF: 1174893.0/43

diff_bpm0i01aY_mean vs Slug



Right In: 8.688+/-0.668 χ^2/NDF: 64.2/16

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 1.342+/-0.576 χ^2/NDF: 199.5/20

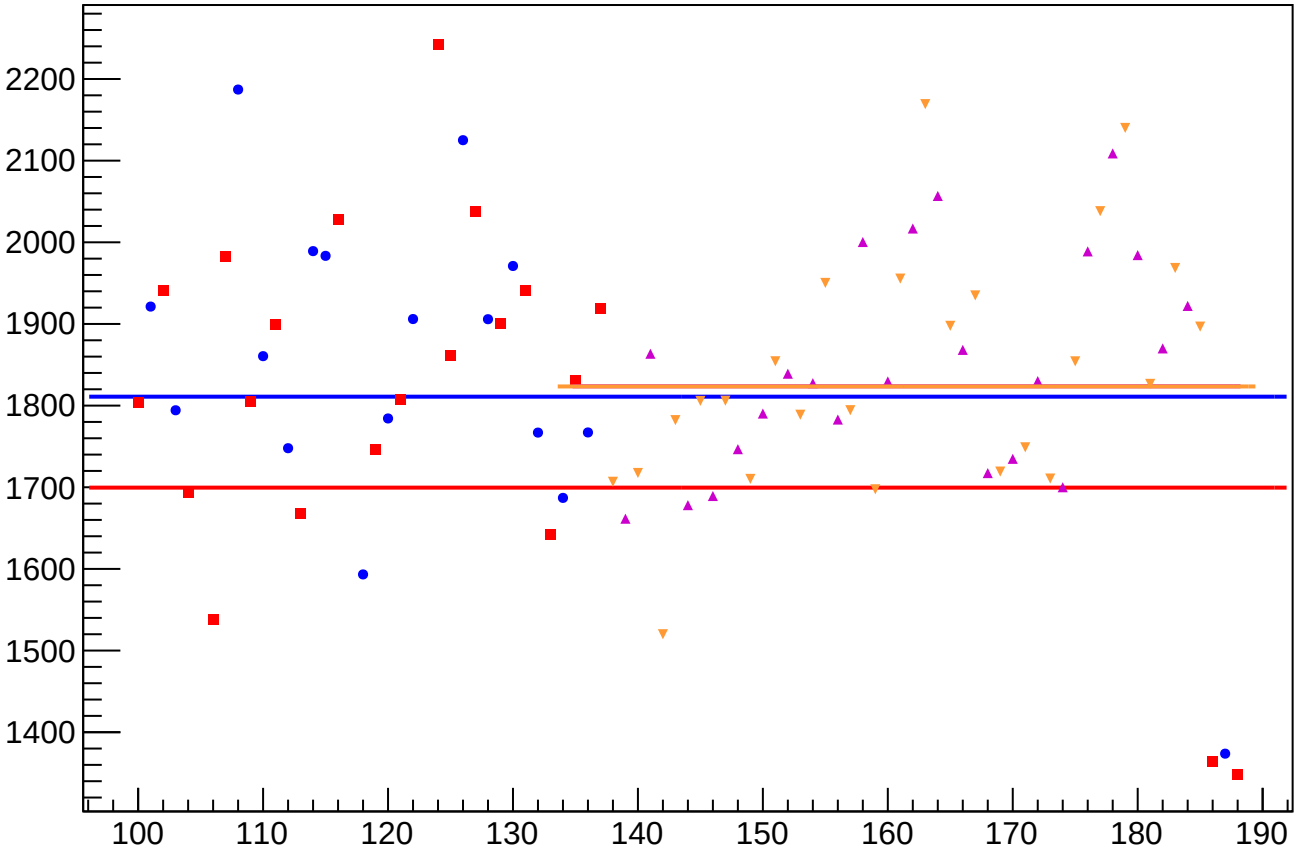
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 13.279+/-0.353 χ^2/NDF: 375.9/41

All: 5.460+/-0.246 χ^2/NDF: 2040.5/85

- sign -1.947+/-0.344 χ^2/NDF: 709.0/43

diff_bpm0i01aY_rms vs Slug



Right In: 1810.941+/-0.472 χ^2/NDF: 126913.3/16

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1699.554+/-0.408 χ^2/NDF: 330986.3/20

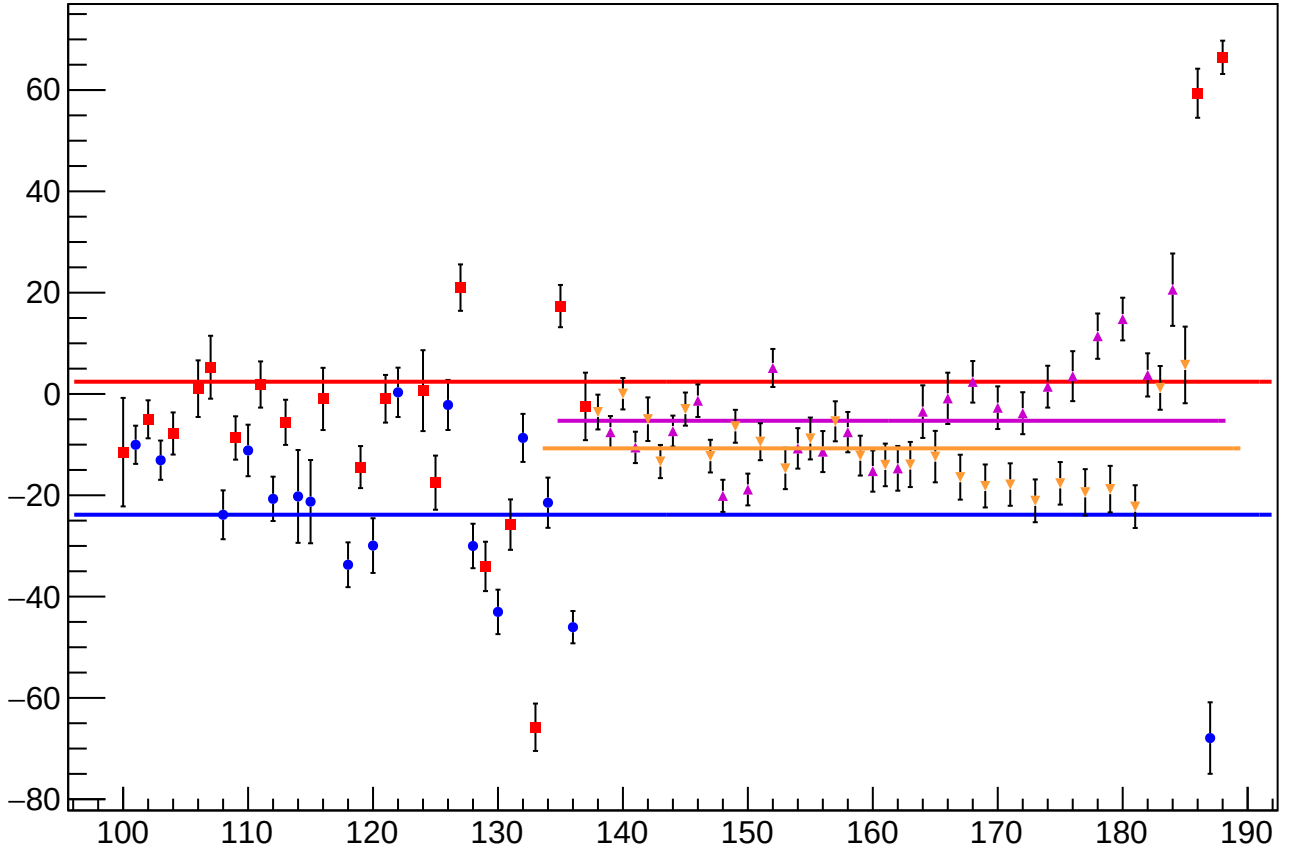
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1819.960+/-0.250 χ^2/NDF: 338692.9/41

All: 1799.214+/-0.174 χ^2/NDF: 906649.8/85

- sign 1779.559+/-0.243 χ^2/NDF: 554500.0/43

diff_bpm0l01X_mean vs Slug



Right In: -23.837+/-1.137 χ^2/NDF: 197.2/16

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 2.419+/-1.043 χ^2/NDF: 901.4/20

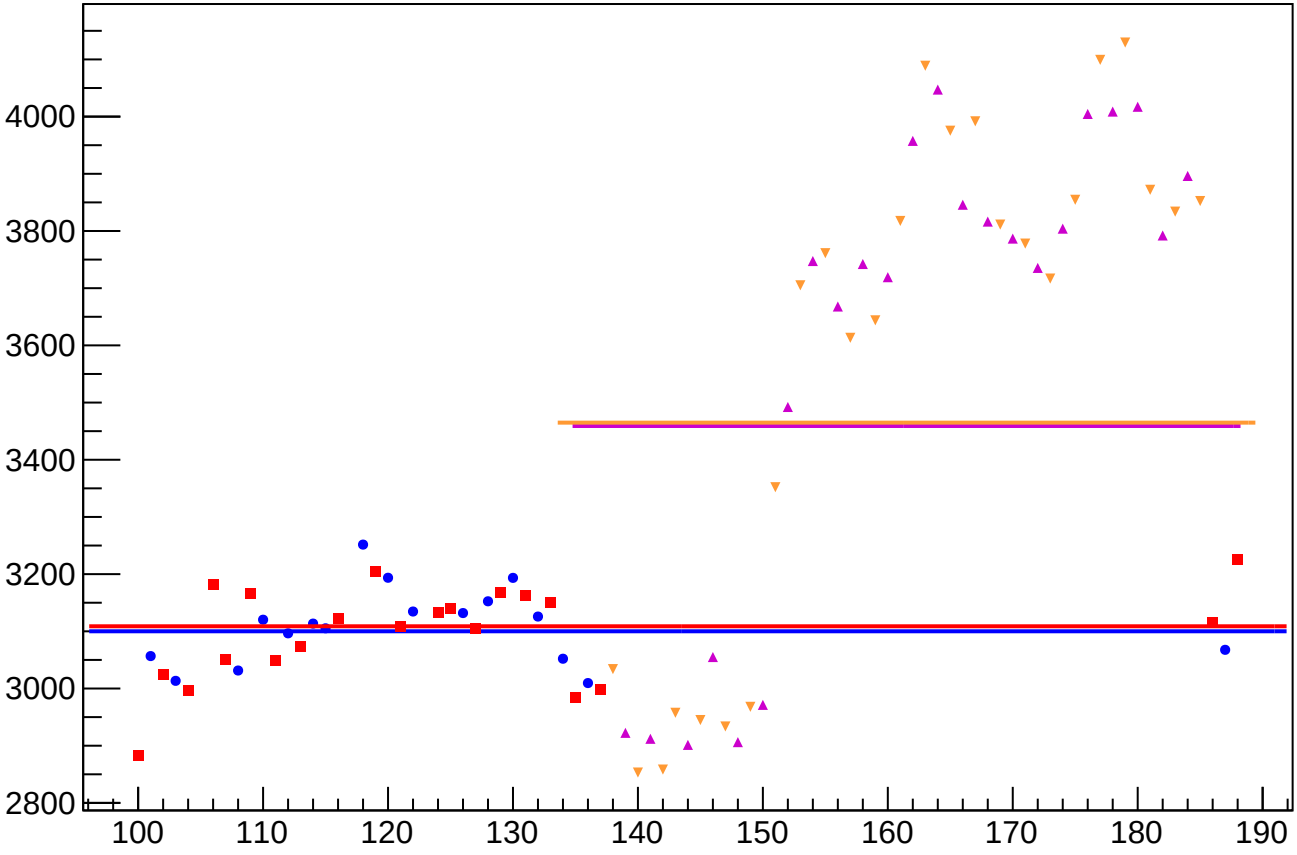
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -15.027+/-0.651 χ^2/NDF: 360.4/41

All: -8.609+/-0.457 χ^2/NDF: 1621.1/85

- sign -2.370+/-0.642 χ^2/NDF: 1069.0/43

diff_bpm0l01X_rms vs Slug



Right In: 3100.077+/-0.804 χ^2/NDF: 7937.0/16

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3108.815+/-0.737 χ^2/NDF: 11426.6/20

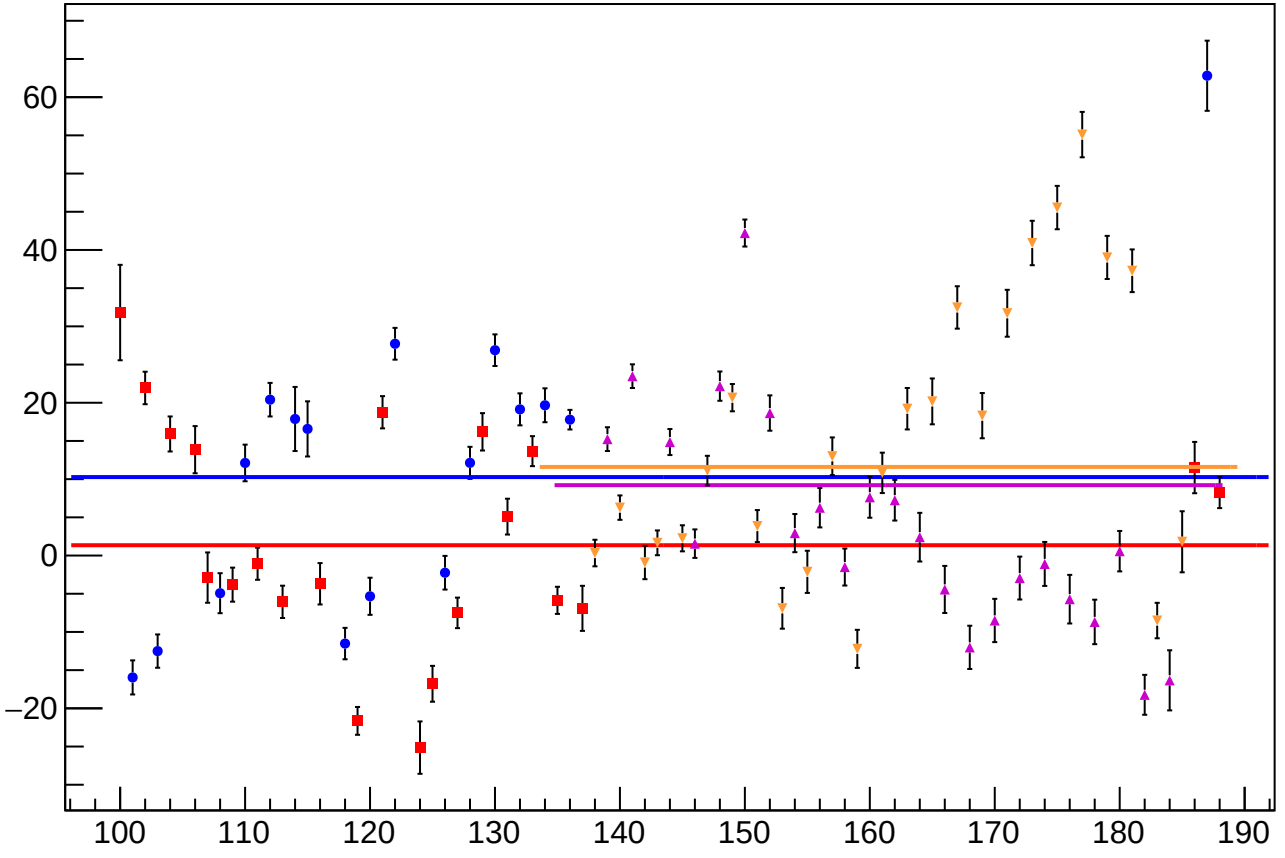
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3345.335+/-0.460 χ^2/NDF: 790414.6/41

All: 3335.709+/-0.323 χ^2/NDF: 1526192.5/85

- sign 3326.350+/-0.454 χ^2/NDF: 734915.0/43

diff_bpm0l01Y_mean vs Slug



Right In: 10.271+/-0.538 χ^2/NDF: 831.5/16

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 1.353+/-0.511 χ^2/NDF: 688.4/20

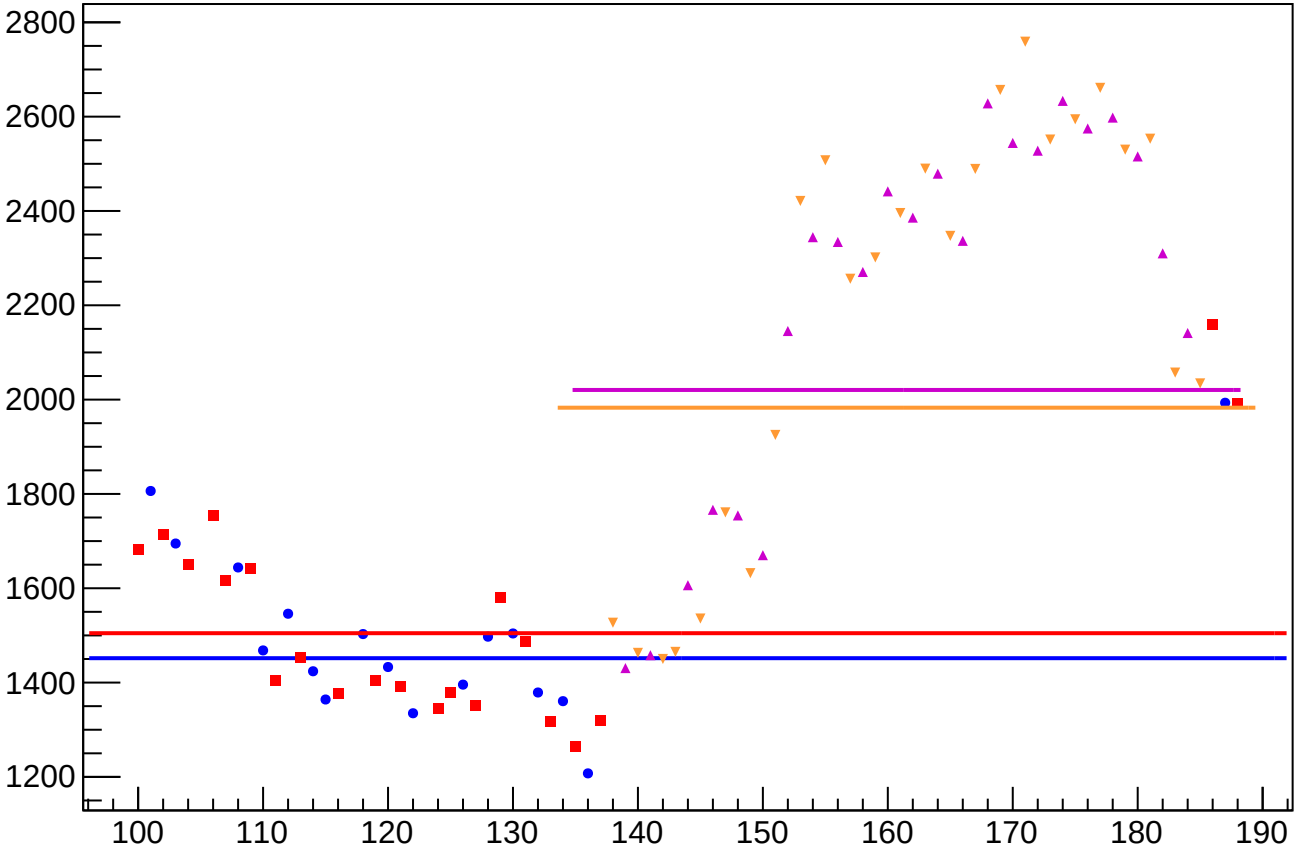
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

\+ sign 11.033+/-0.351 χ^2/NDF: 2031.9/41

All: 8.265+/-0.248 χ^2/NDF: 3910.2/85

\- sign 5.494+/-0.351 χ^2/NDF: 1753.9/43

diff_bpm0l01Y_rms vs Slug



Right In: 1451.717+/-0.380 χ^2/NDF: 208369.0/16

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1504.713+/-0.361 χ^2/NDF: 351598.3/20

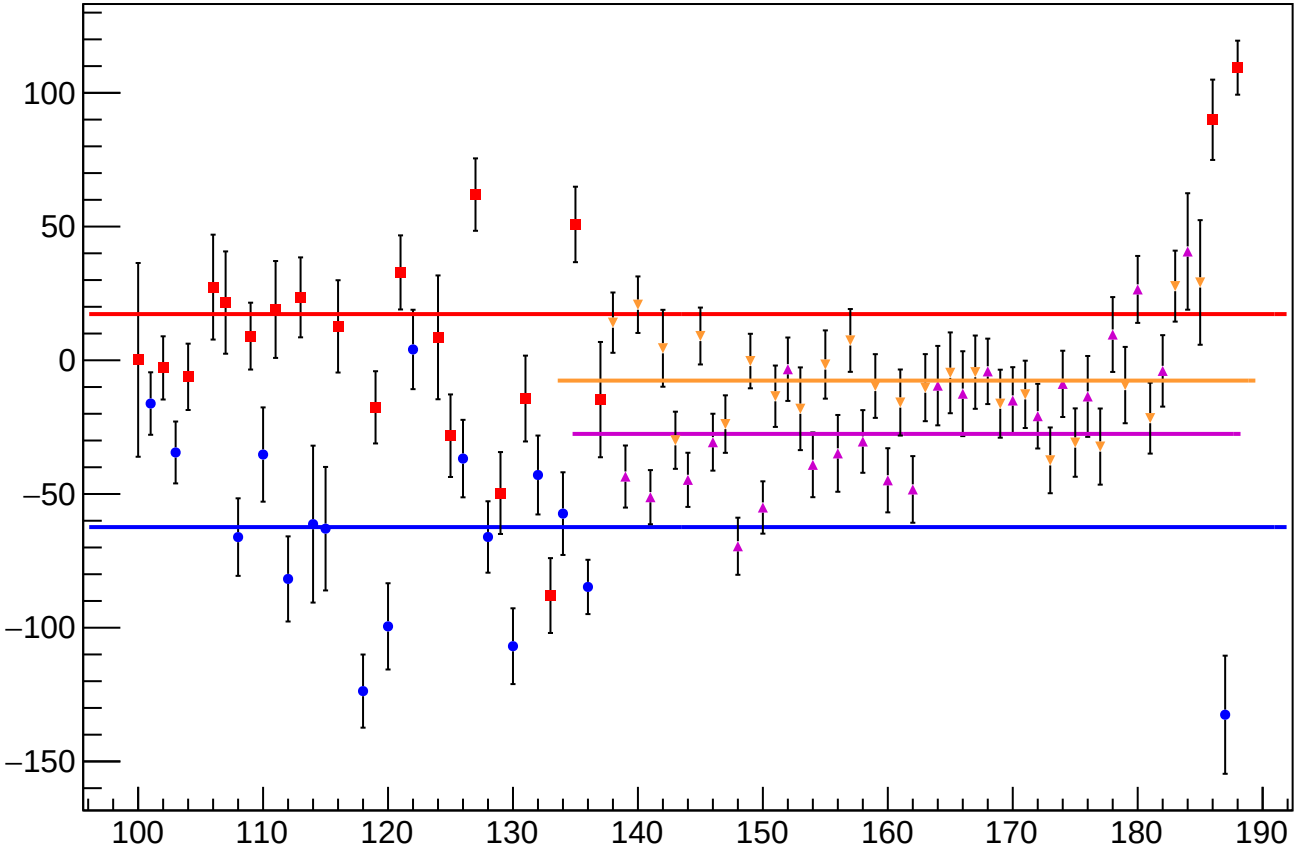
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1756.432+/-0.248 χ^2/NDF: 3306149.8/41

All: 1766.436+/-0.176 χ^2/NDF: 6351026.2/85

- sign 1776.451+/-0.248 χ^2/NDF: 3041625.0/43

diff_bpm0l02X_mean vs Slug



Right In: -62.377+/-3.550 χ^2/NDF: 100.7/16

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 17.274+/-3.263 χ^2/NDF: 229.3/20

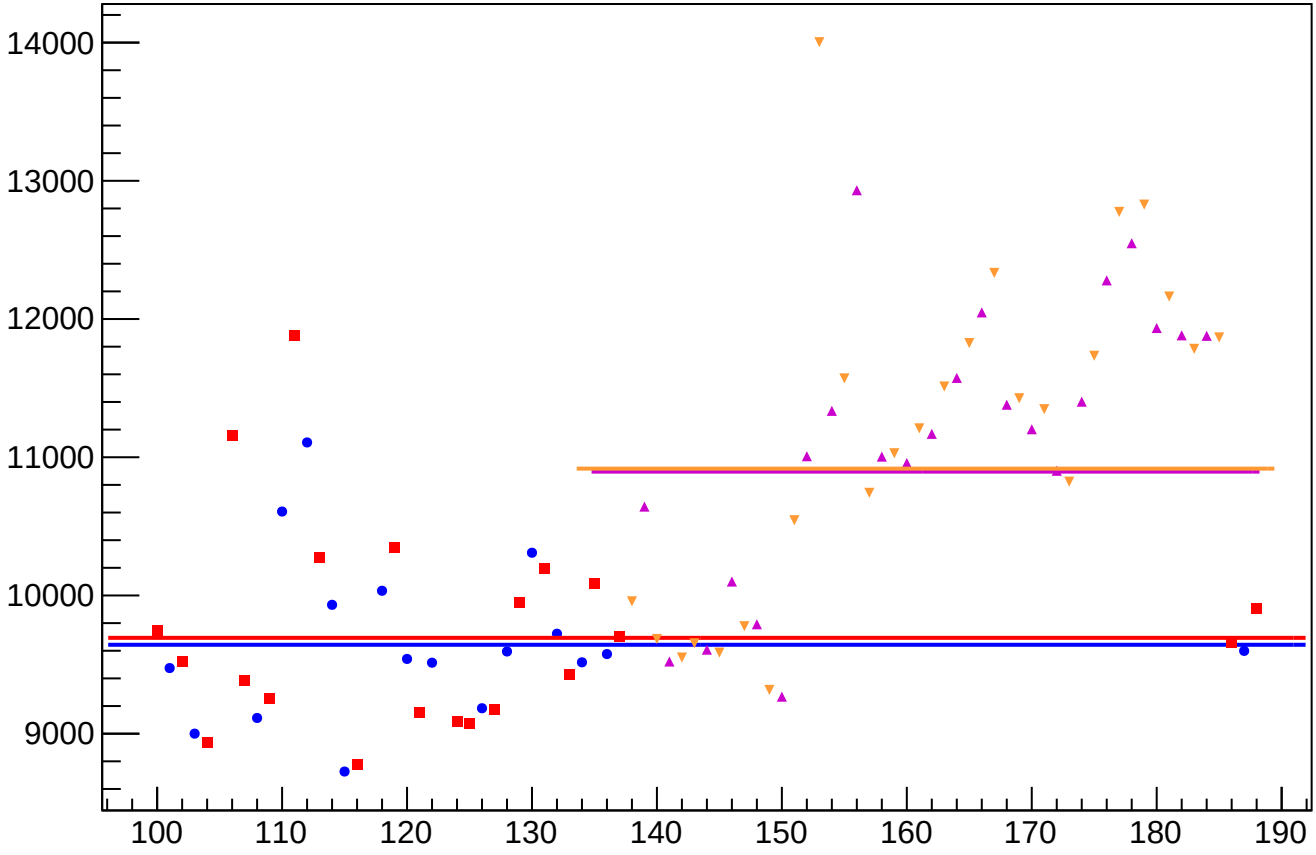
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -25.711+/-2.041 χ^2/NDF: 308.0/41

All: -17.992+/-1.433 χ^2/NDF: 775.4/85

- sign -10.488+/-2.012 χ^2/NDF: 439.2/43

diff_bpm0l02X_rms vs Slug



Right In: 9643.225+/-2.510 χ^2/NDF: 44109.8/16

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9693.461+/-2.307 χ^2/NDF: 80879.9/20

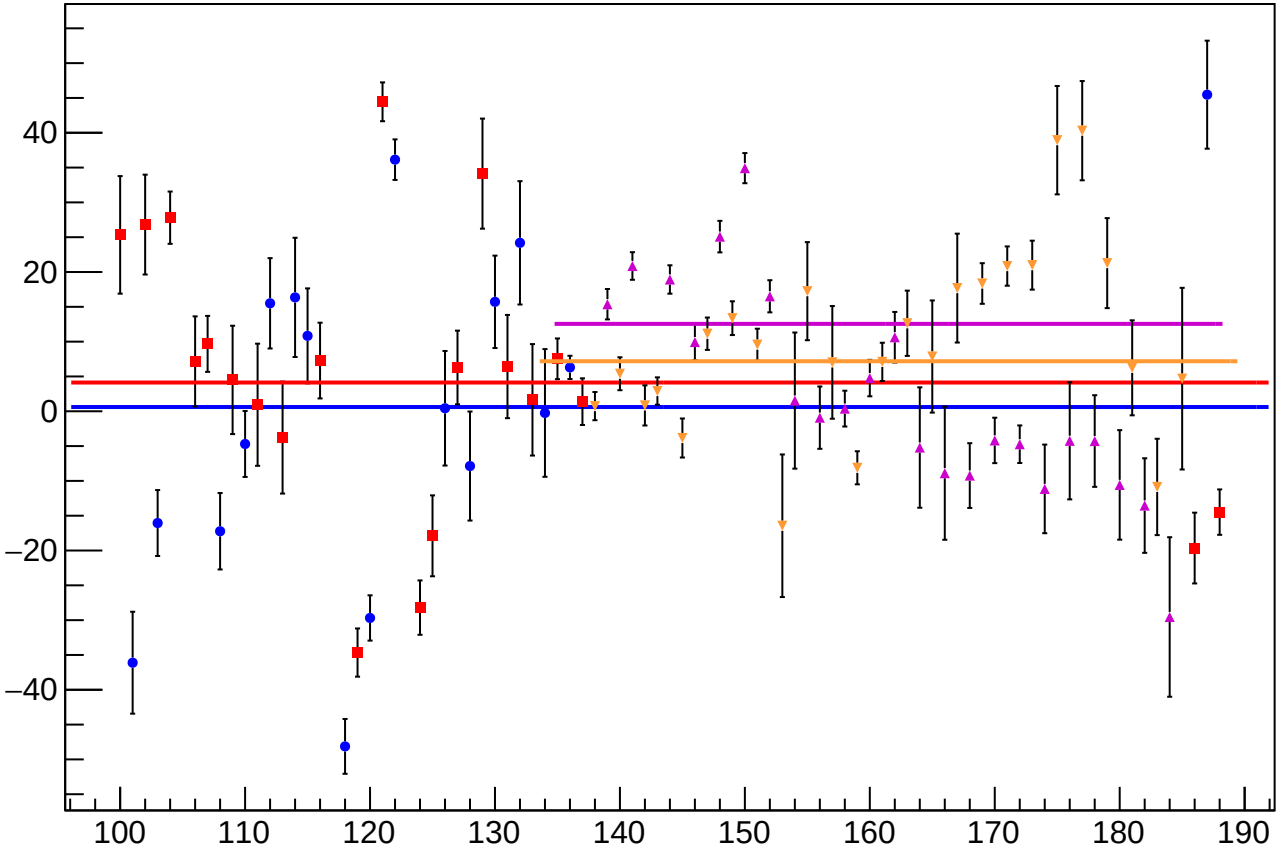
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10496.234+/-1.443 χ^2/NDF: 642527.6/41

All: 10467.030+/-1.013 χ^2/NDF: 1190576.9/8

- sign 10438.642+/-1.423 χ^2/NDF: 547241.9/43

diff_bpm0l02Y_mean vs Slug



Right In: 0.609+/-1.036 χ^2/NDF: 507.8/16

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

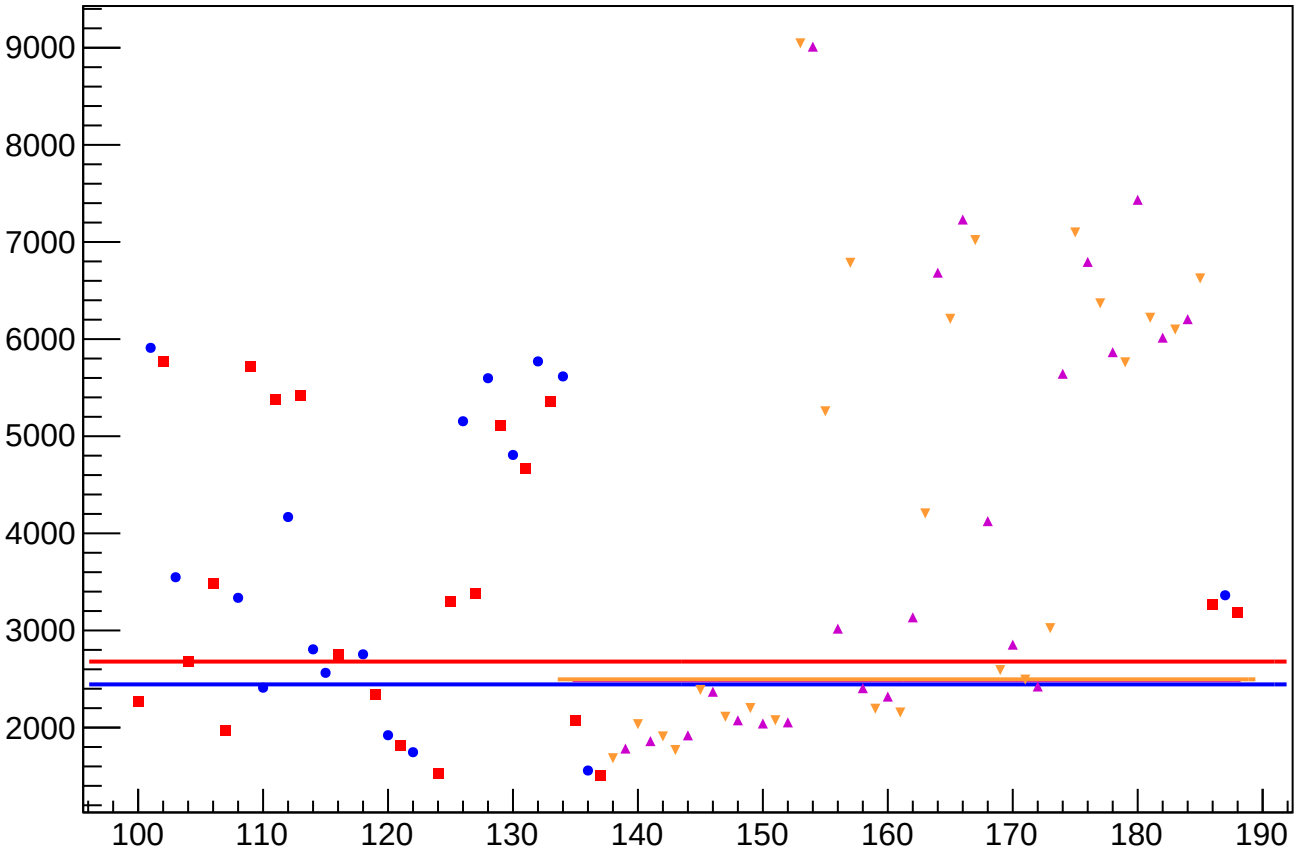
Right Out: 4.127+/-1.000 χ^2/NDF: 548.3/20

Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 5.312+/-0.553 χ^2/NDF: 738.3/41

All: 7.660+/-0.390 χ^2/NDF: 1744.1/85

- sign 9.993+/-0.551 χ^2/NDF: 969.9/43



Right In: 2444.745+/-0.733 χ^2/NDF: 2843835.7/16

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2679.628+/-0.707 χ^2/NDF: 2601656.0/20

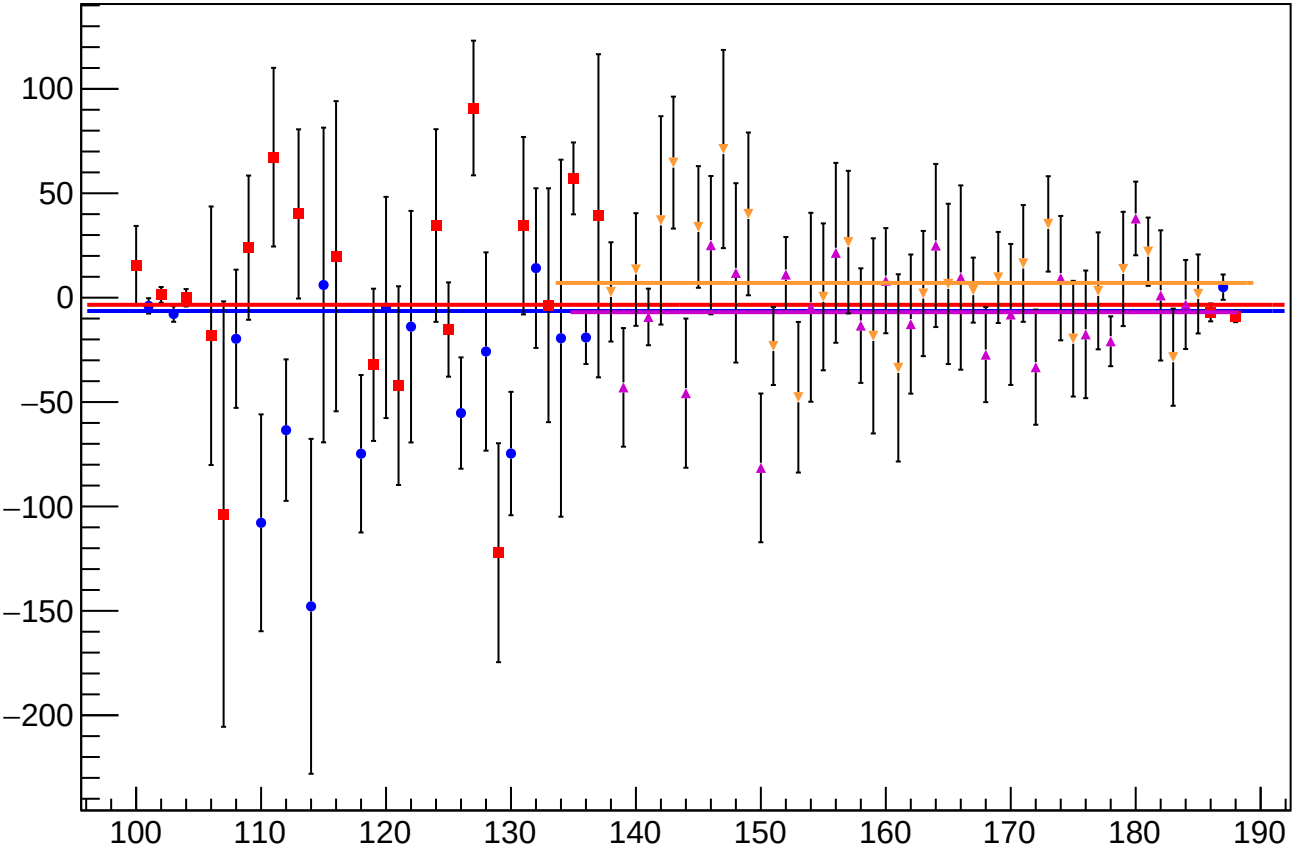
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2481.979+/-0.391 χ^2/NDF: 10053275.4/41

All: 2514.102+/-0.276 χ^2/NDF: 18823157.5/8

- sign 2546.029+/-0.390 χ^2/NDF: 8756416.6/43

diff_bpm0l03X_mean vs Slug



Right In: -6.384+/-2.310 χ^2/NDF: 27.6/16

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -3.416+/-1.753 χ^2/NDF: 42.8/20

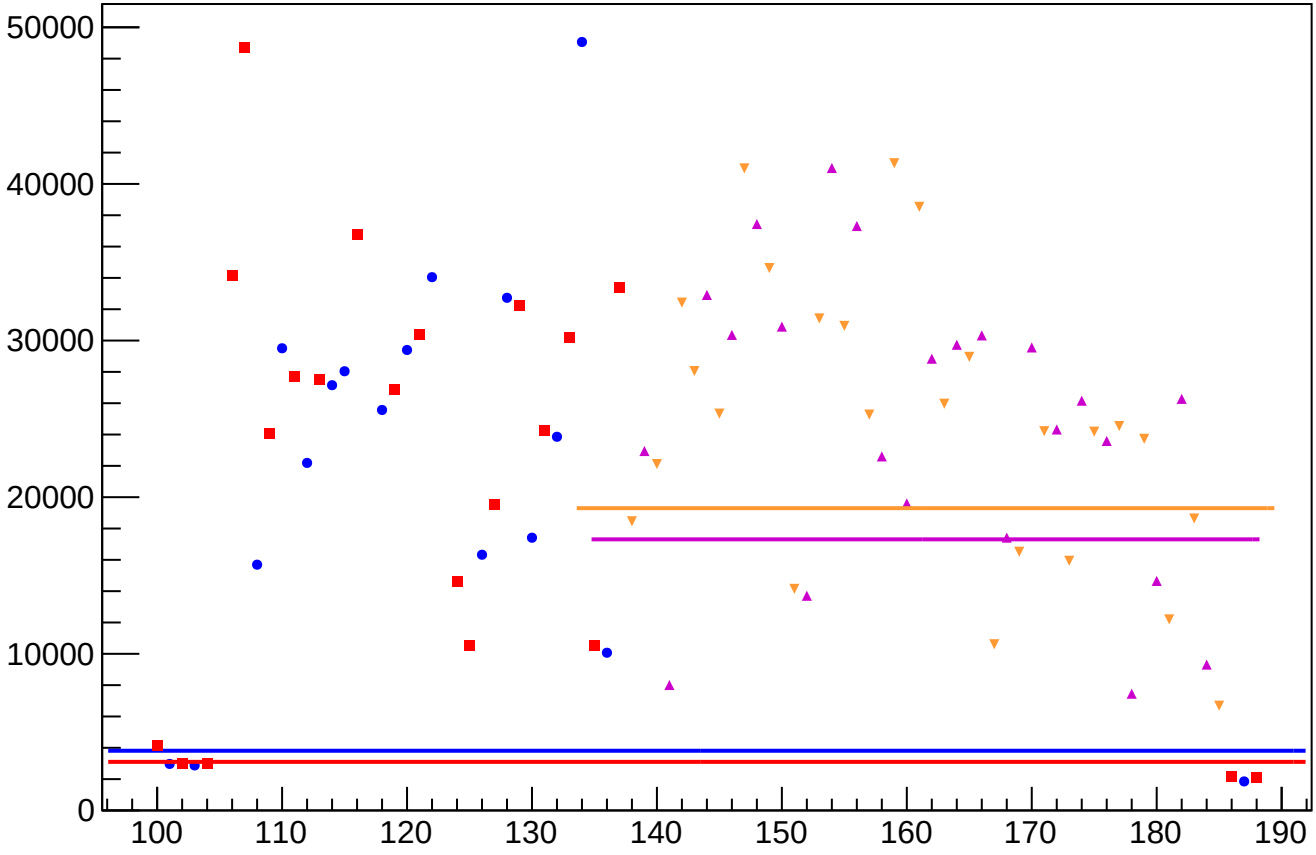
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign -4.188+/-2.113 χ^2/NDF: 52.7/41

All: -3.942+/-1.304 χ^2/NDF: 117.1/85

- sign -3.790+/-1.657 χ^2/NDF: 64.4/43

diff_bpm0l03X_rms vs Slug



Right In: 3811.788+/-1.634 χ^2/NDF: 7082107.1/16

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 3102.516+/-1.239 χ^2/NDF: 8429441.4/20

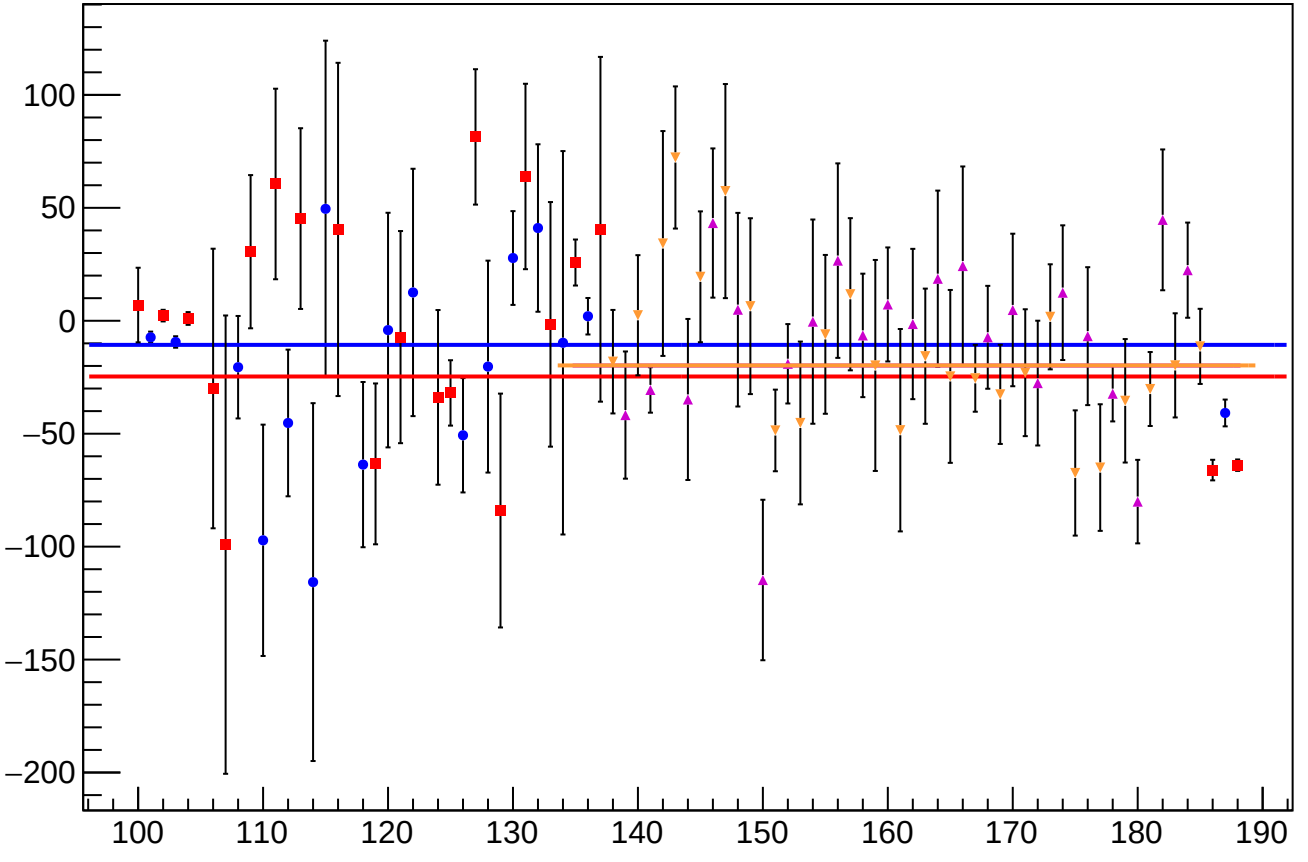
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 6342.236+/-1.494 χ^2/NDF: 26806165.0/41

All: 5268.353+/-0.922 χ^2/NDF: 56716452.4/8

- sign 4607.910+/-1.172 χ^2/NDF: 29075999.2/43

diff_bpm0l03Y_mean vs Slug



Right In: -10.669+/-1.652 χ^2/NDF: 47.1/16

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

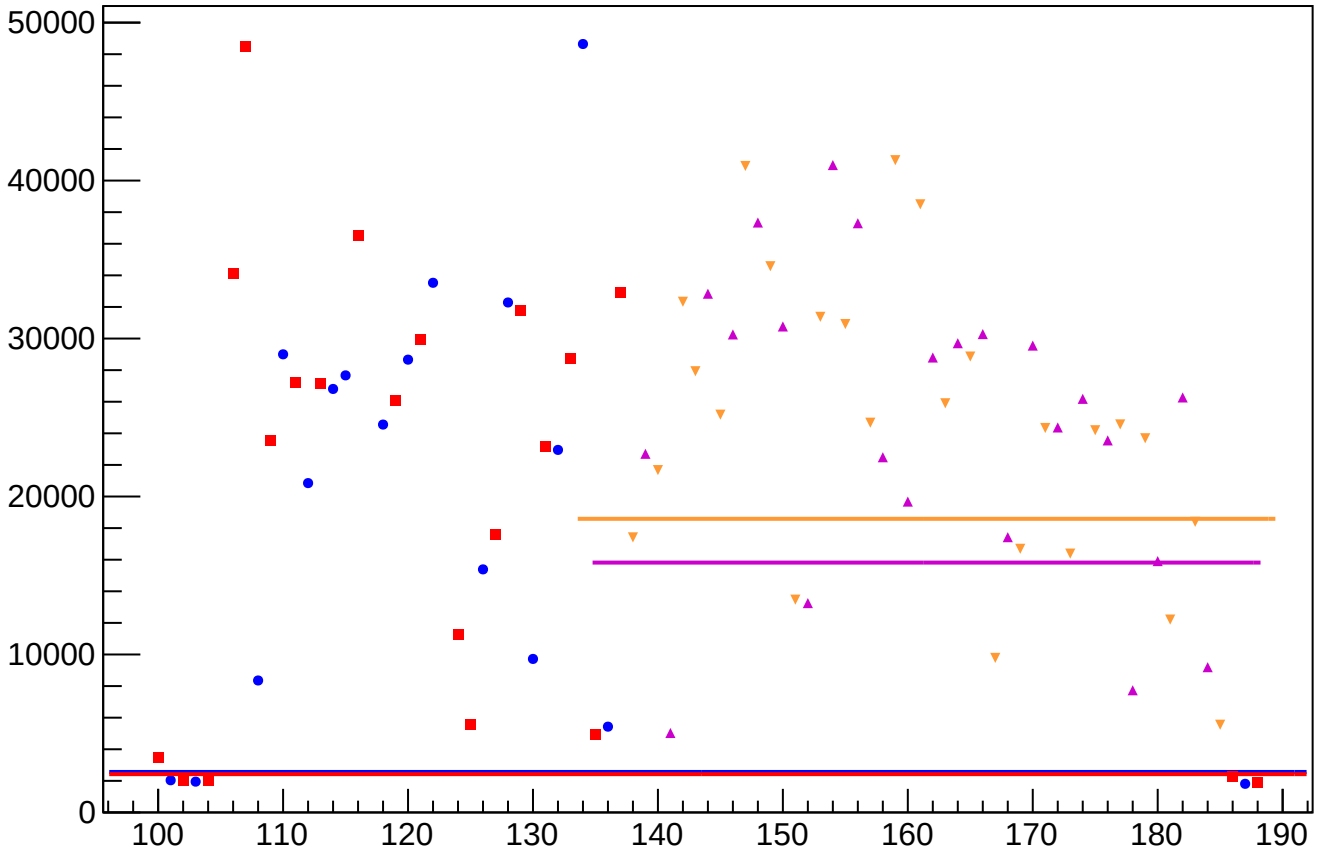
Right Out: -24.672+/-1.406 χ^2/NDF: 576.4/20

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -11.529+/-1.572 χ^2/NDF: 77.8/41

All: -18.877+/-1.024 χ^2/NDF: 733.3/85

- sign -24.296+/-1.350 χ^2/NDF: 617.6/43



Right In: 2563.281+/-1.168 χ^2/NDF: 6815602.6/16

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

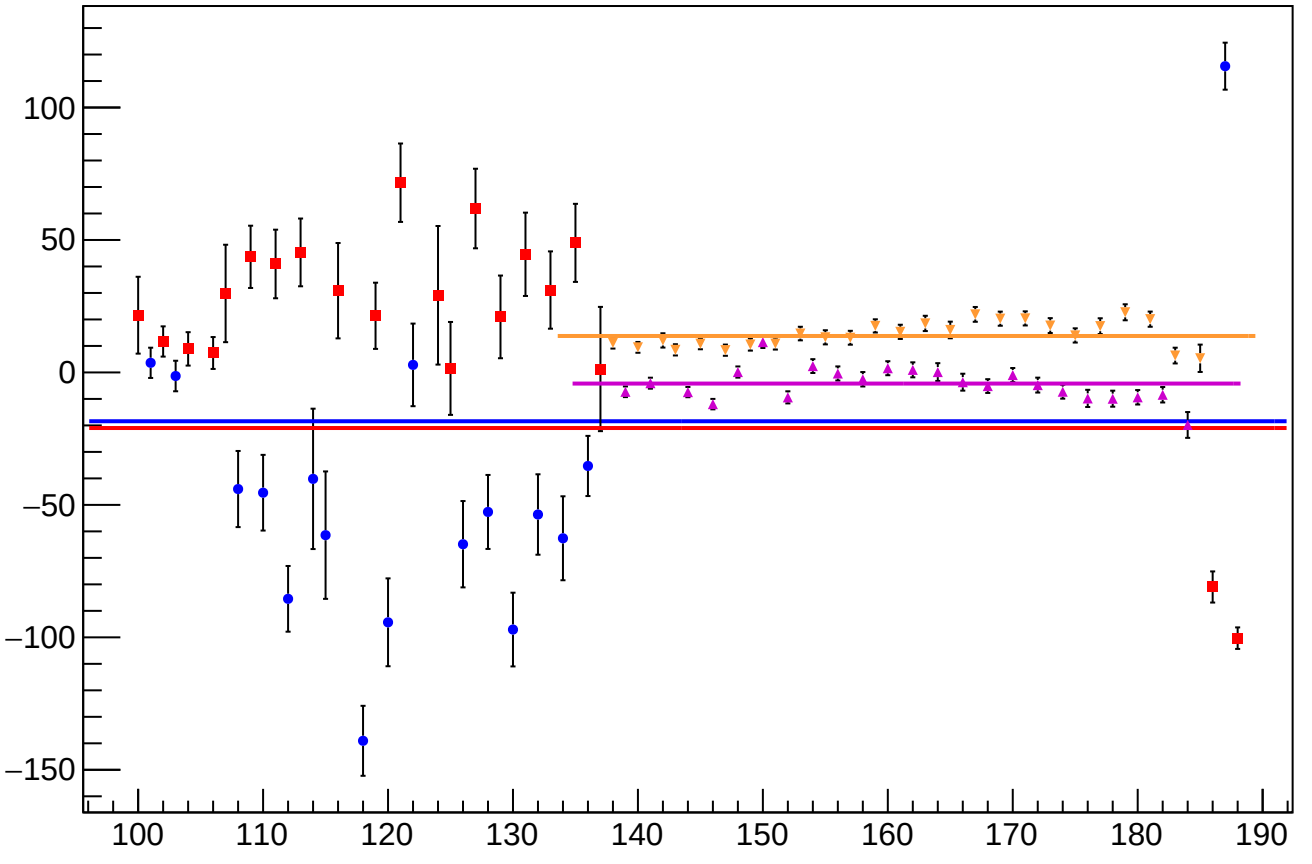
Right Out: 2424.965+/-0.994 χ^2/NDF: 8138081.6/20

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 4076.591+/-1.112 χ^2/NDF: 30281202.5/41

All: 3724.506+/-0.724 χ^2/NDF: 61092322.7/8

- sign 3464.864+/-0.955 χ^2/NDF: 30636880.2/43



Right In: -18.421+/-2.706 χ^2/NDF: 459.4/16

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -20.983+/-2.031 χ^2/NDF: 814.3/20

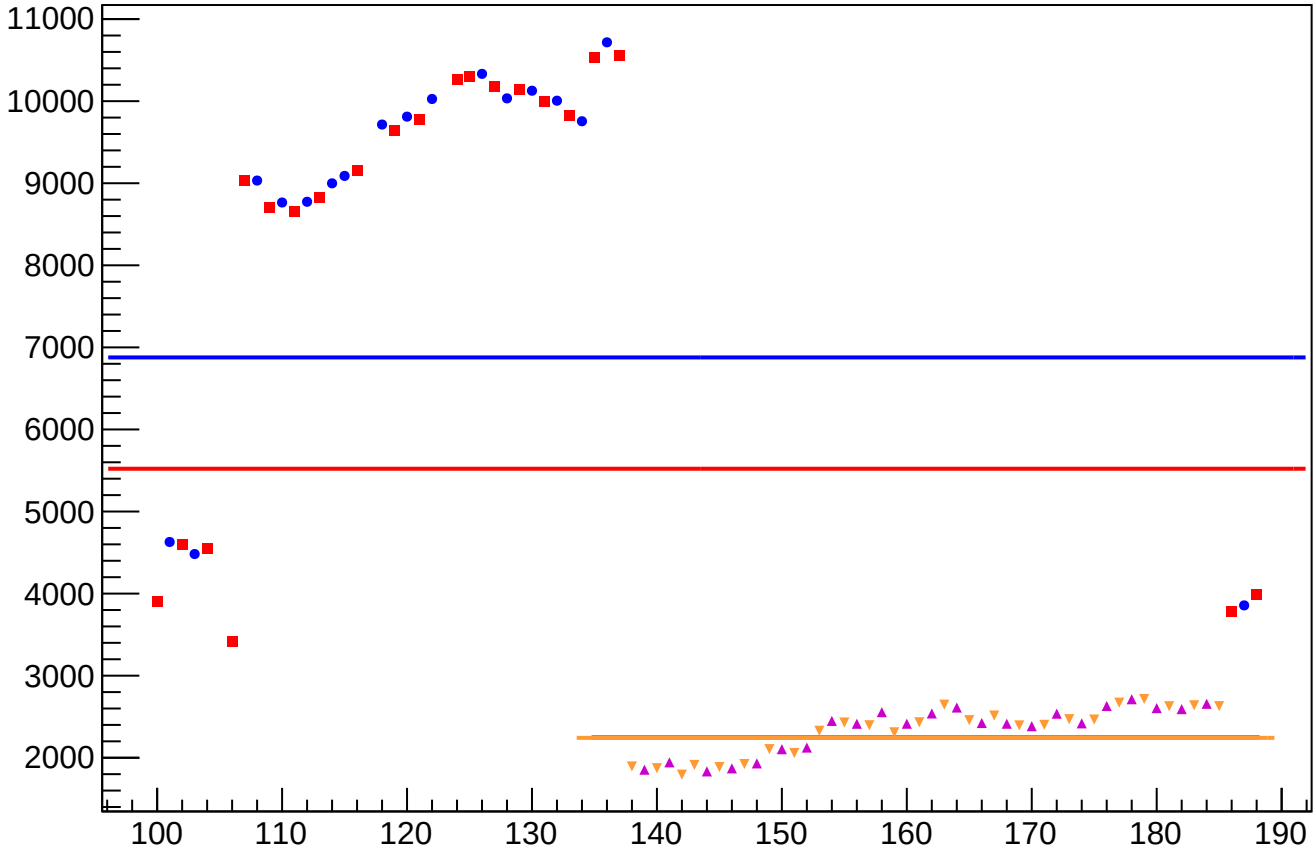
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 12.641+/-0.505 χ^2/NDF: 673.1/41

All: 3.823+/-0.360 χ^2/NDF: 2294.6/85

- sign -5.272+/-0.513 χ^2/NDF: 1002.2/43

diff_bpm0l04X_rms vs Slug



Right In: 6877.550+/-1.914 χ^2/NDF: 1961590.0/16

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 5521.499+/-1.436 χ^2/NDF: 3006373.3/20

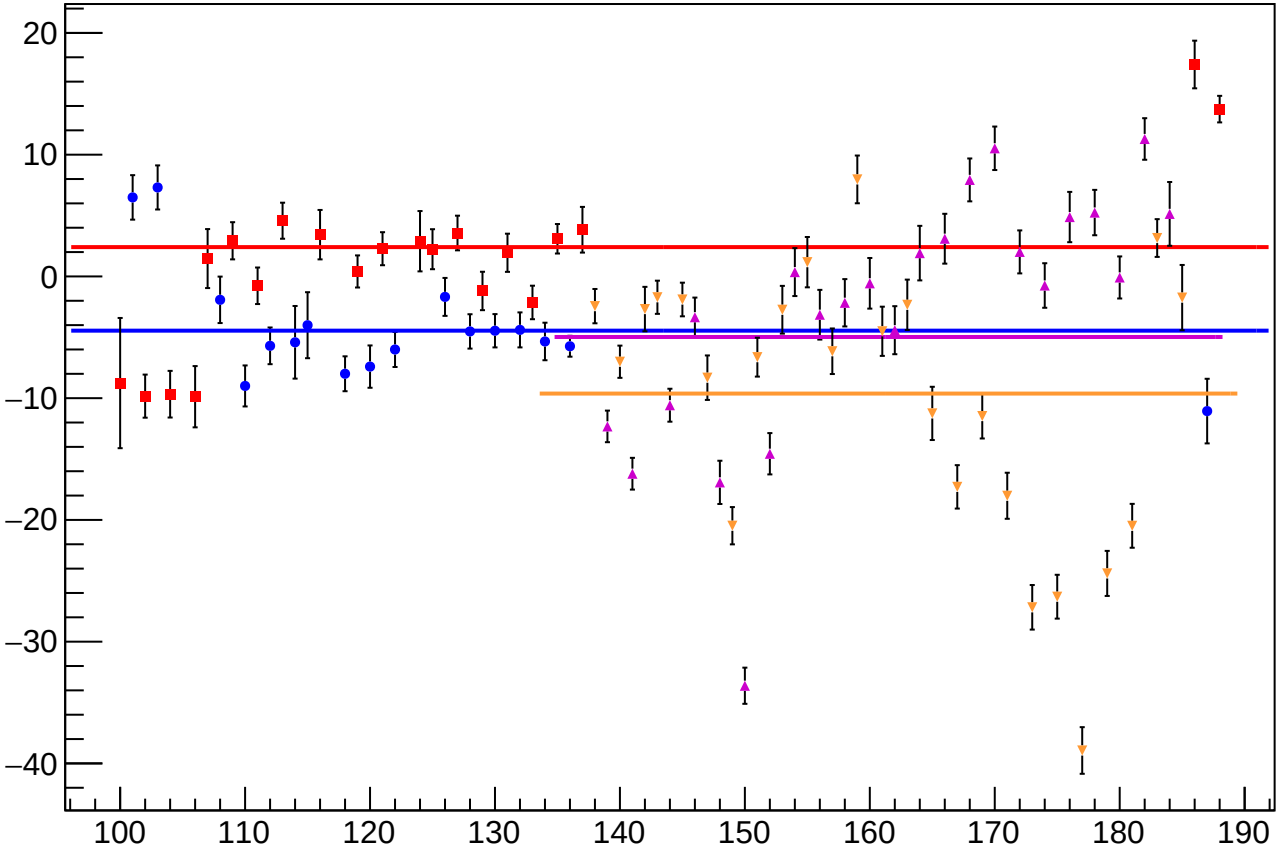
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2403.711+/-0.357 χ^2/NDF: 8281958.9/41

All: 2430.090+/-0.254 χ^2/NDF: 16804255.0/8

- sign 2457.301+/-0.363 χ^2/NDF: 8511209.2/43

diff_bpm0l04Y_mean vs Slug



Right In: -4.454+/-0.376 χ^2/NDF: 110.0/16

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

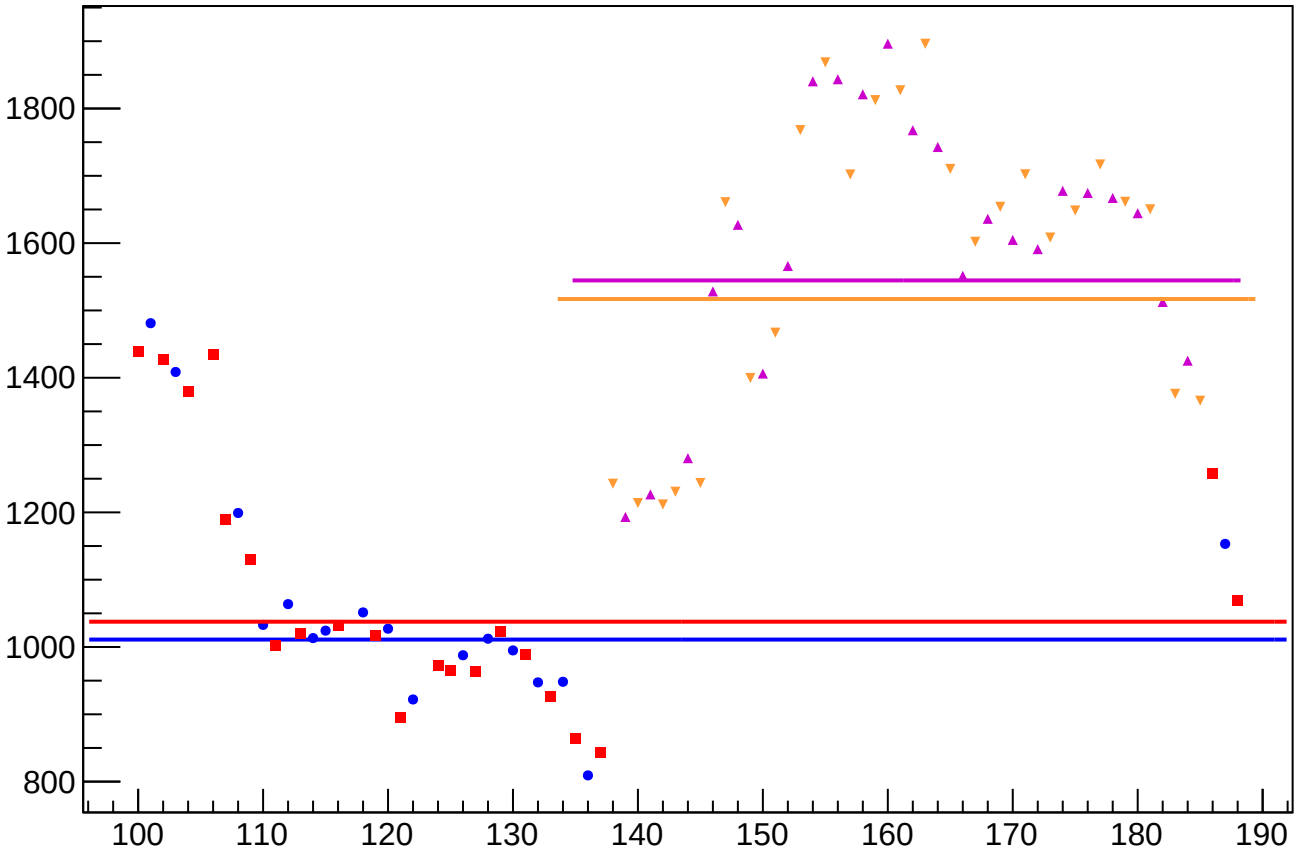
Right Out: 2.408+/-0.352 χ^2/NDF: 309.8/20

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.229+/-0.256 χ^2/NDF: 1145.8/41

All: -4.159+/-0.180 χ^2/NDF: 2882.6/85

- sign -1.152+/-0.253 χ^2/NDF: 1451.8/43



Right In: 1011.027+/-0.266 χ^2/NDF: 384694.4/16

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1037.586+/-0.249 χ^2/NDF: 375117.0/20

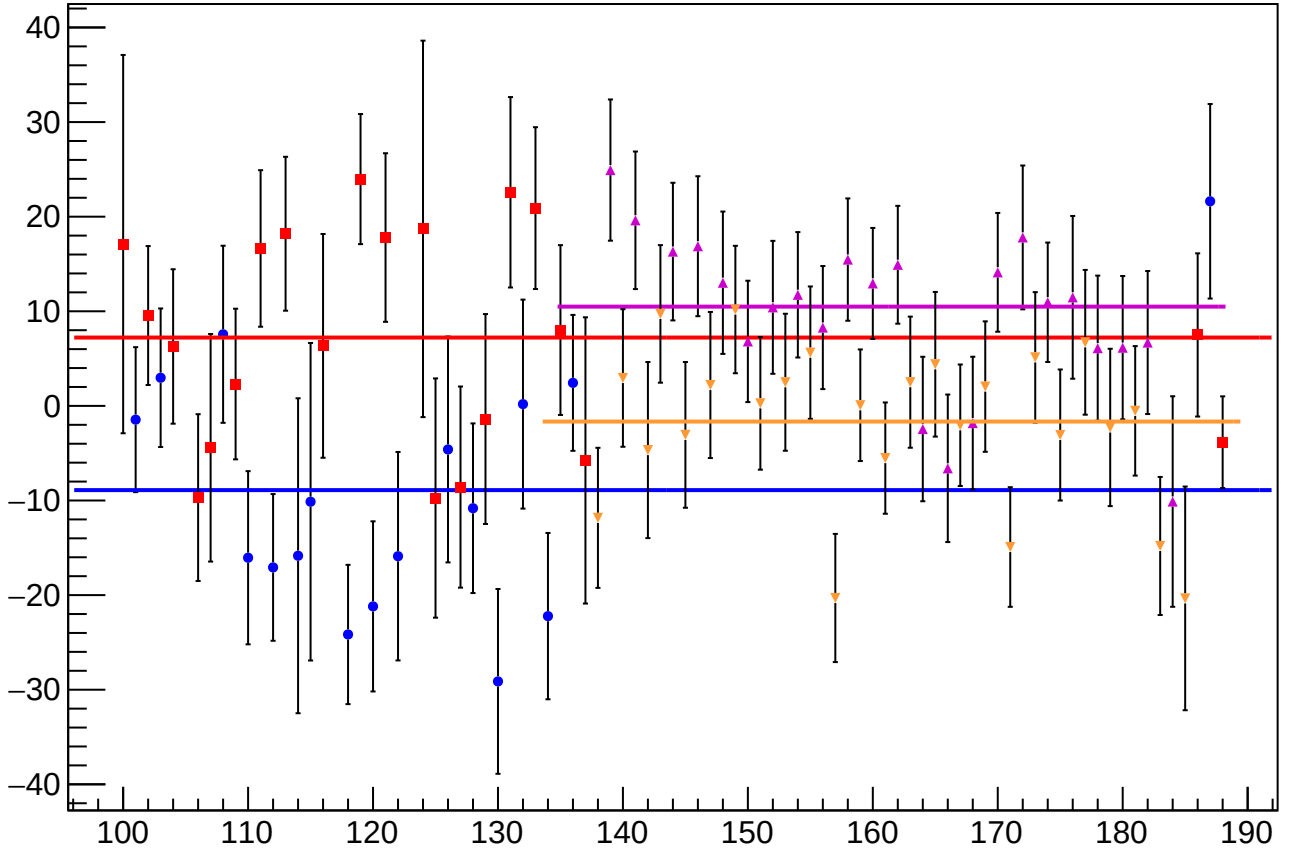
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1282.703+/-0.181 χ^2/NDF: 3163209.6/41

All: 1282.398+/-0.127 χ^2/NDF: 6179446.2/85

- sign 1282.100+/-0.179 χ^2/NDF: 3016231.0/43

diff_bpm0l05X_mean vs Slug



Right In: -8.902+/-2.226 χ^2/NDF: 33.9/16

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

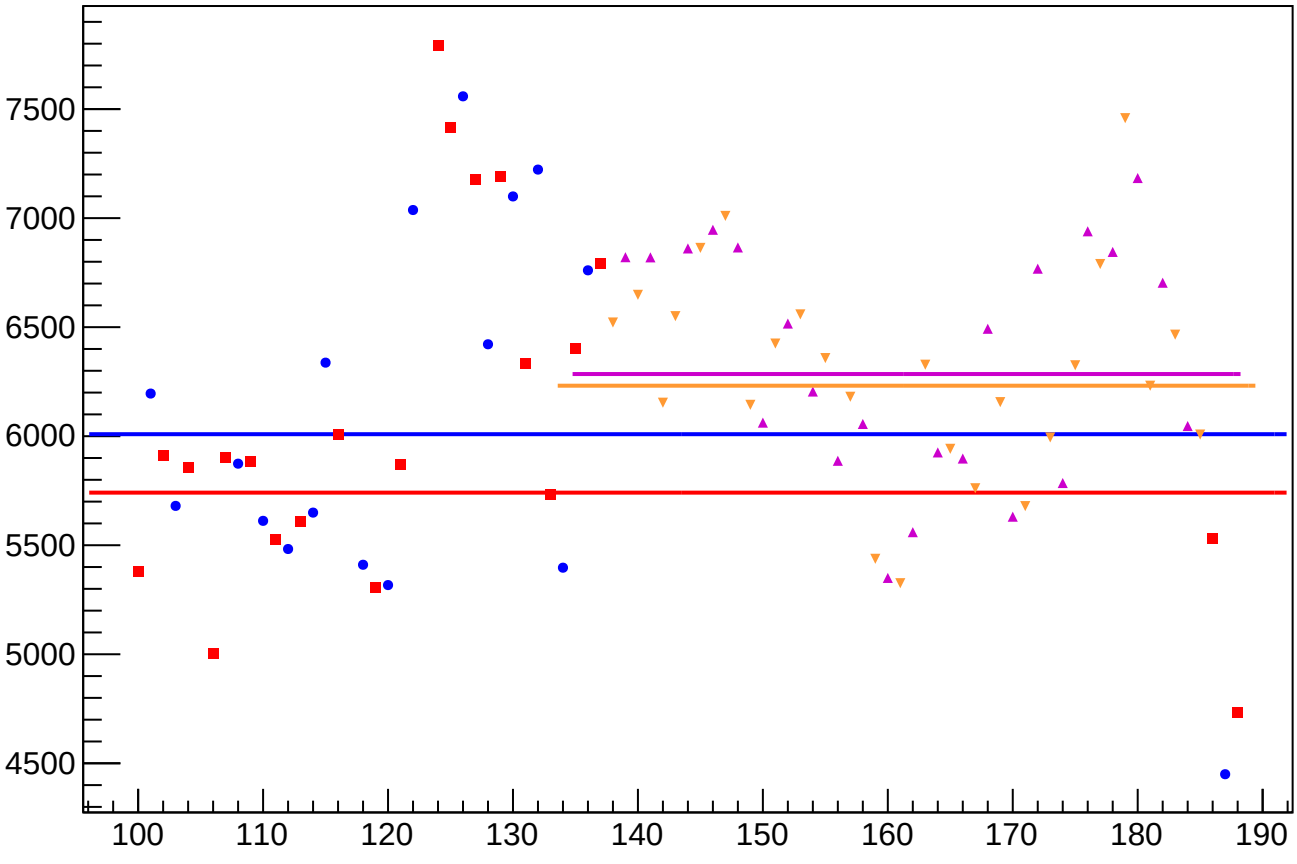
Right Out: 7.224+/-1.945 χ^2/NDF: 31.6/20

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -3.765+/-1.201 χ^2/NDF: 72.9/41

All: 2.892+/-0.841 χ^2/NDF: 191.5/85

- sign 9.294+/-1.178 χ^2/NDF: 58.3/43



Right In: 6009.192+/-1.574 χ^2/NDF: 227381.4/16

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5741.187+/-1.375 χ^2/NDF: 270442.3/20

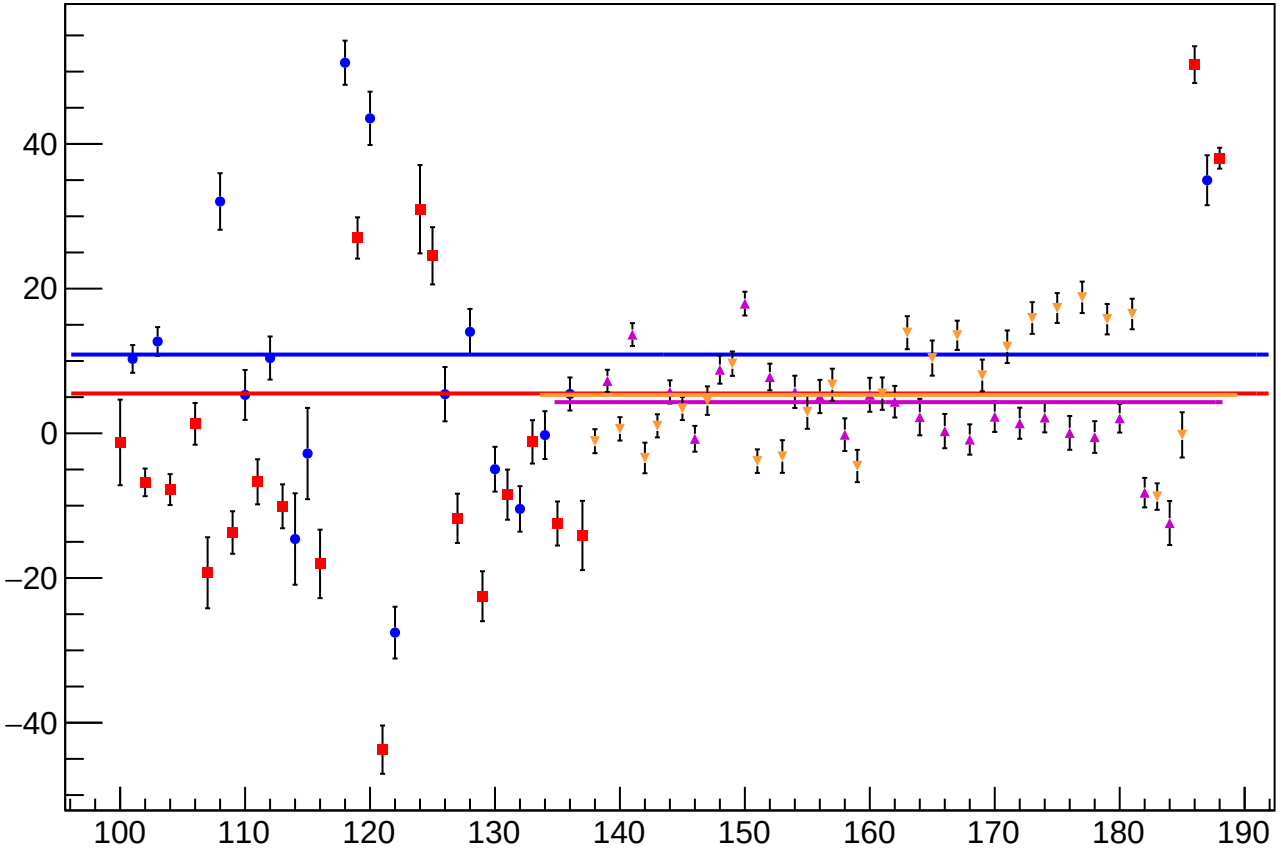
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 6166.844+/-0.849 χ^2/NDF: 468491.9/41

All: 6125.461+/-0.595 χ^2/NDF: 1108017.0/85

- sign 6085.666+/-0.833 χ^2/NDF: 634866.4/43

diff_bpm0l05Y_mean vs Slug



Right In: 10.887+/-0.737 χ^2/NDF: 563.5/16

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: 5.508+/-0.631 χ^2/NDF: 1525.1/20

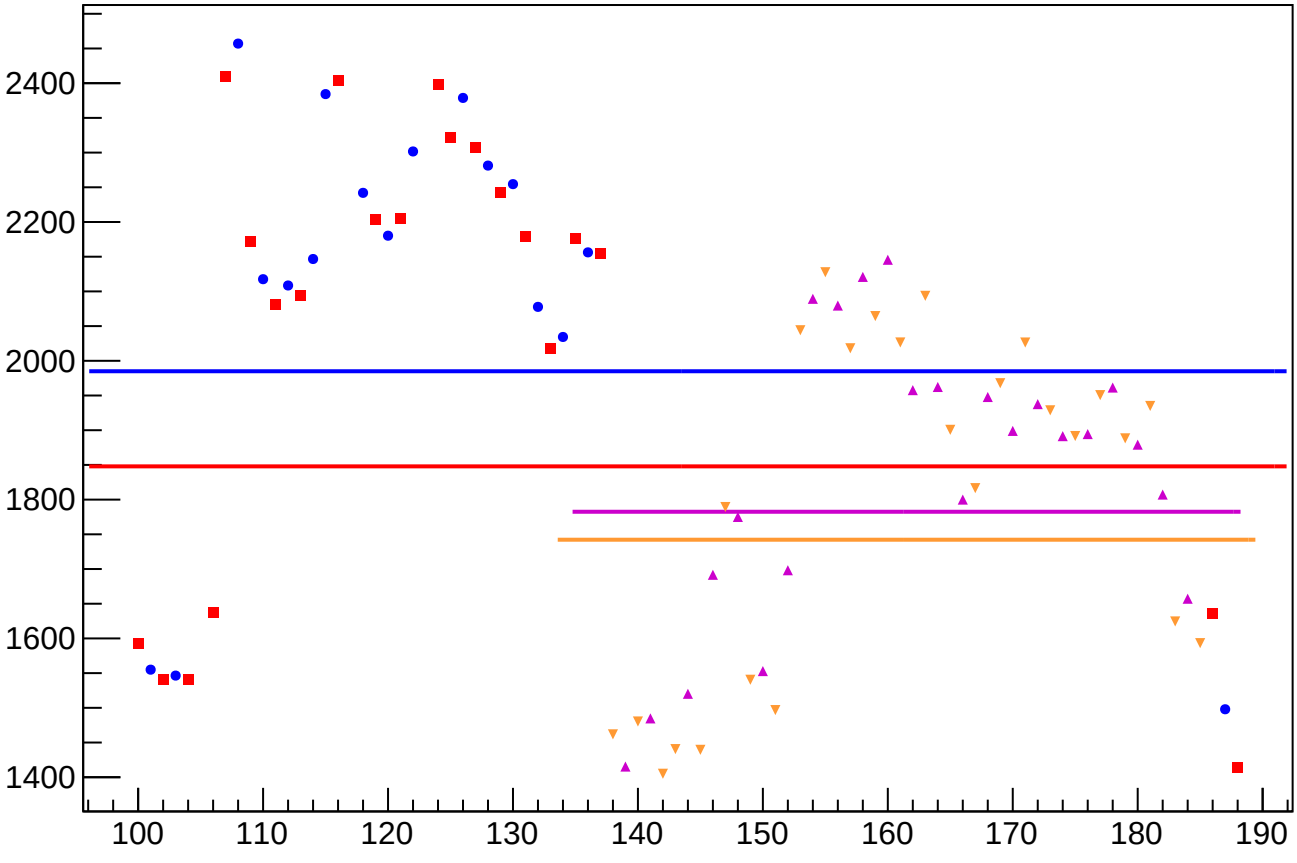
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

\+ sign 6.582+/-0.352 χ^2/NDF: 985.8/41

All: 5.624+/-0.248 χ^2/NDF: 2748.5/85

\- sign 4.678+/-0.350 χ^2/NDF: 1748.0/43

diff_bpm0l05Y_rms vs Slug



Right In: 1984.957+/-0.521 χ^2/NDF: 386187.4/16

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1847.906+/-0.446 χ^2/NDF: 622576.3/20

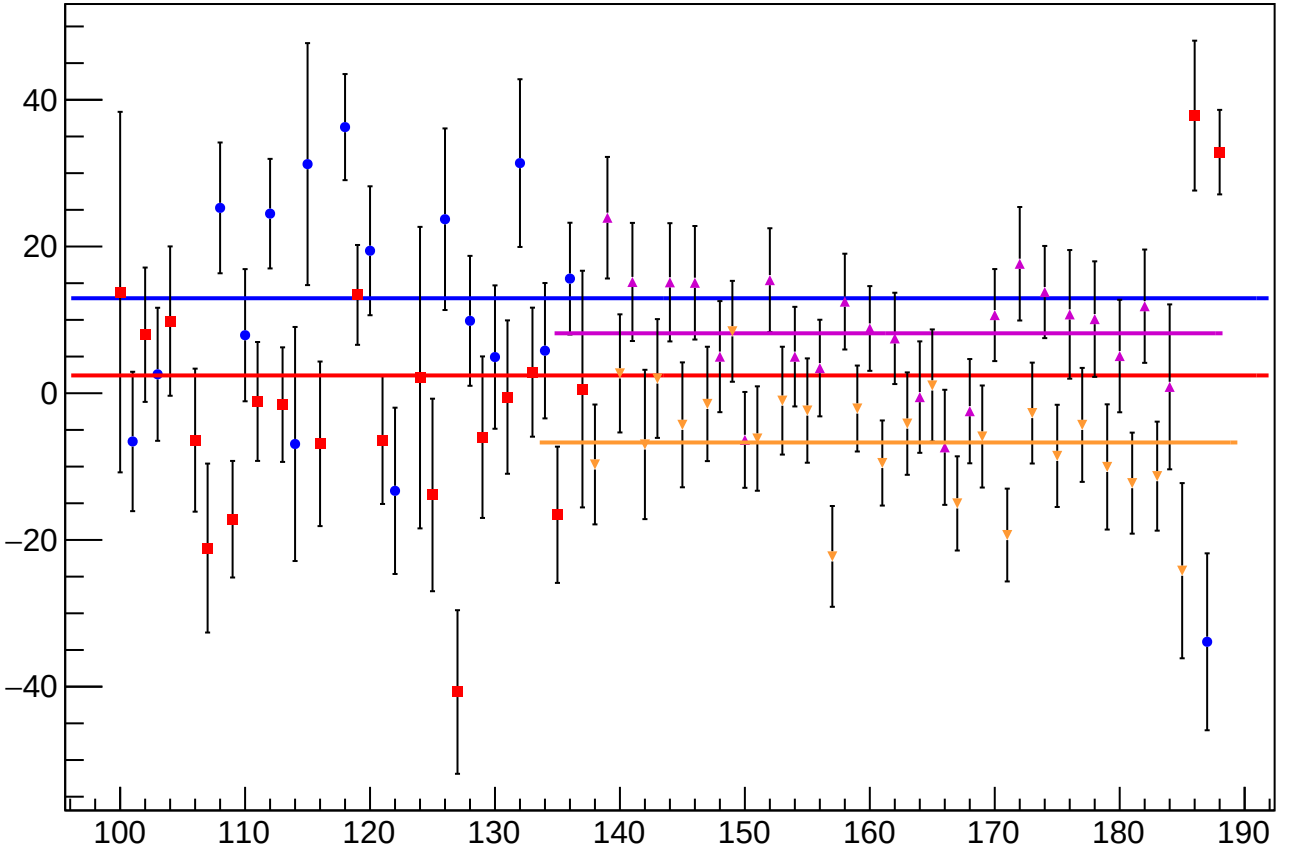
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1797.472+/-0.249 χ^2/NDF: 1321214.3/41

All: 1800.041+/-0.175 χ^2/NDF: 2493259.8/85

- sign 1802.580+/-0.247 χ^2/NDF: 1171833.5/43

diff_bpm0l06X_mean vs Slug



Right In: 12.949+/-2.314 χ^2/NDF: 49.2/16

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

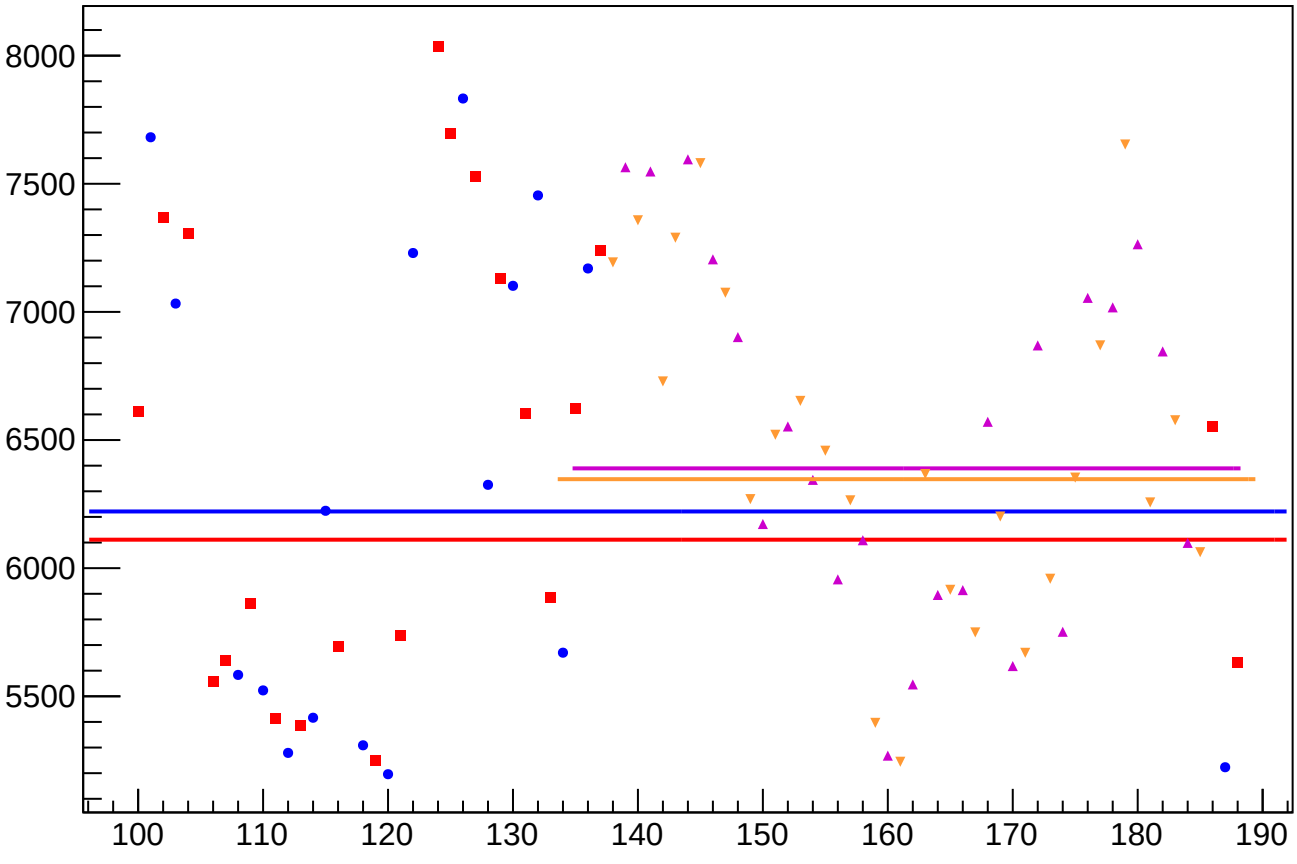
Right Out: 2.426+/-2.071 χ^2/NDF: 78.3/20

Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -1.126+/-1.233 χ^2/NDF: 126.5/41

All: 2.565+/-0.867 χ^2/NDF: 251.7/85

- sign 6.177+/-1.220 χ^2/NDF: 107.5/43



Right In: 6221.273+/-1.636 χ^2/NDF: 322828.2/16

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6111.140+/-1.464 χ^2/NDF: 283765.9/20

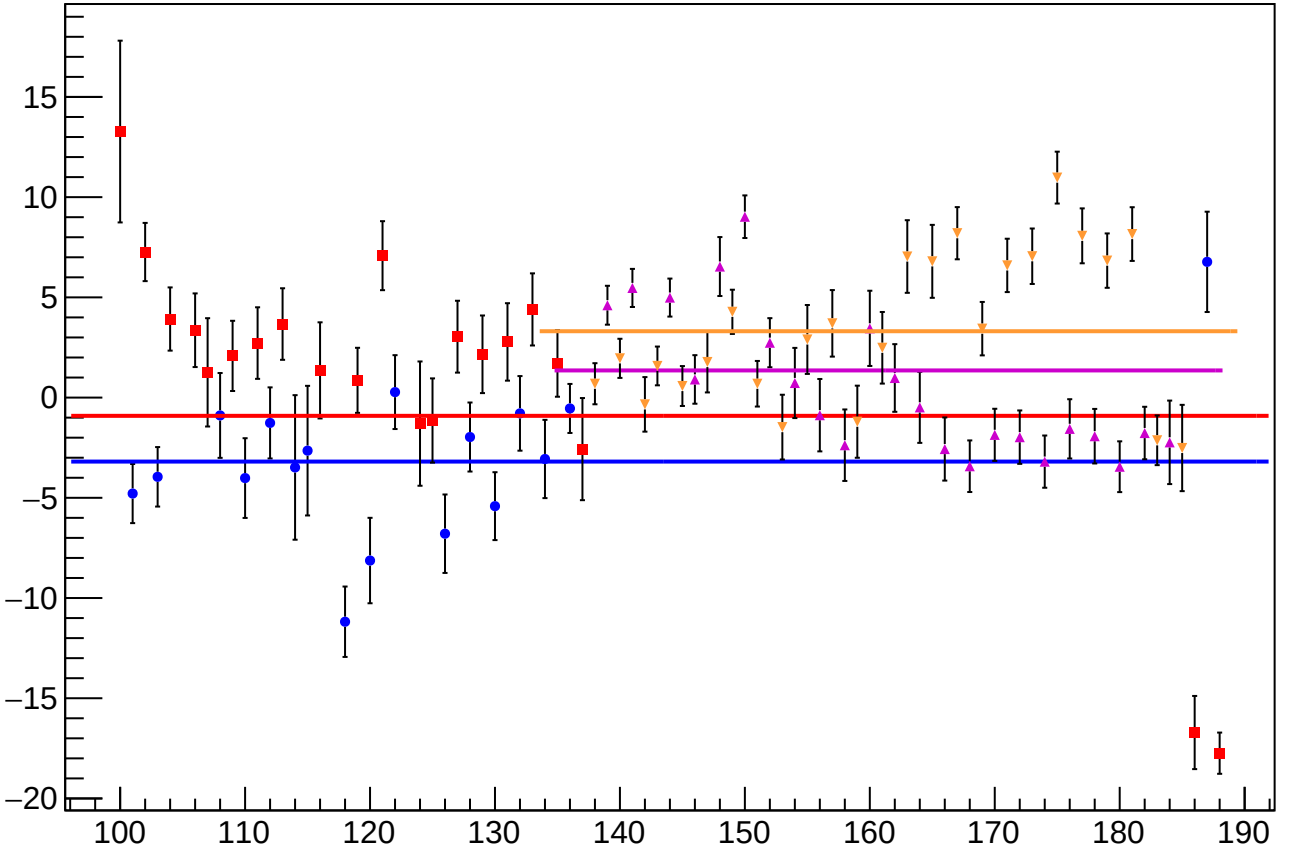
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6311.481+/-0.872 χ^2/NDF: 713100.2/41

All: 6302.059+/-0.613 χ^2/NDF: 1440431.3/85

- sign 6292.839+/-0.863 χ^2/NDF: 727100.1/43

diff_bpm0l06Y_mean vs Slug



Right In: -3.192+/-0.445 χ^2/NDF: 61.5/16

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -0.910+/-0.394 χ^2/NDF: 459.6/20

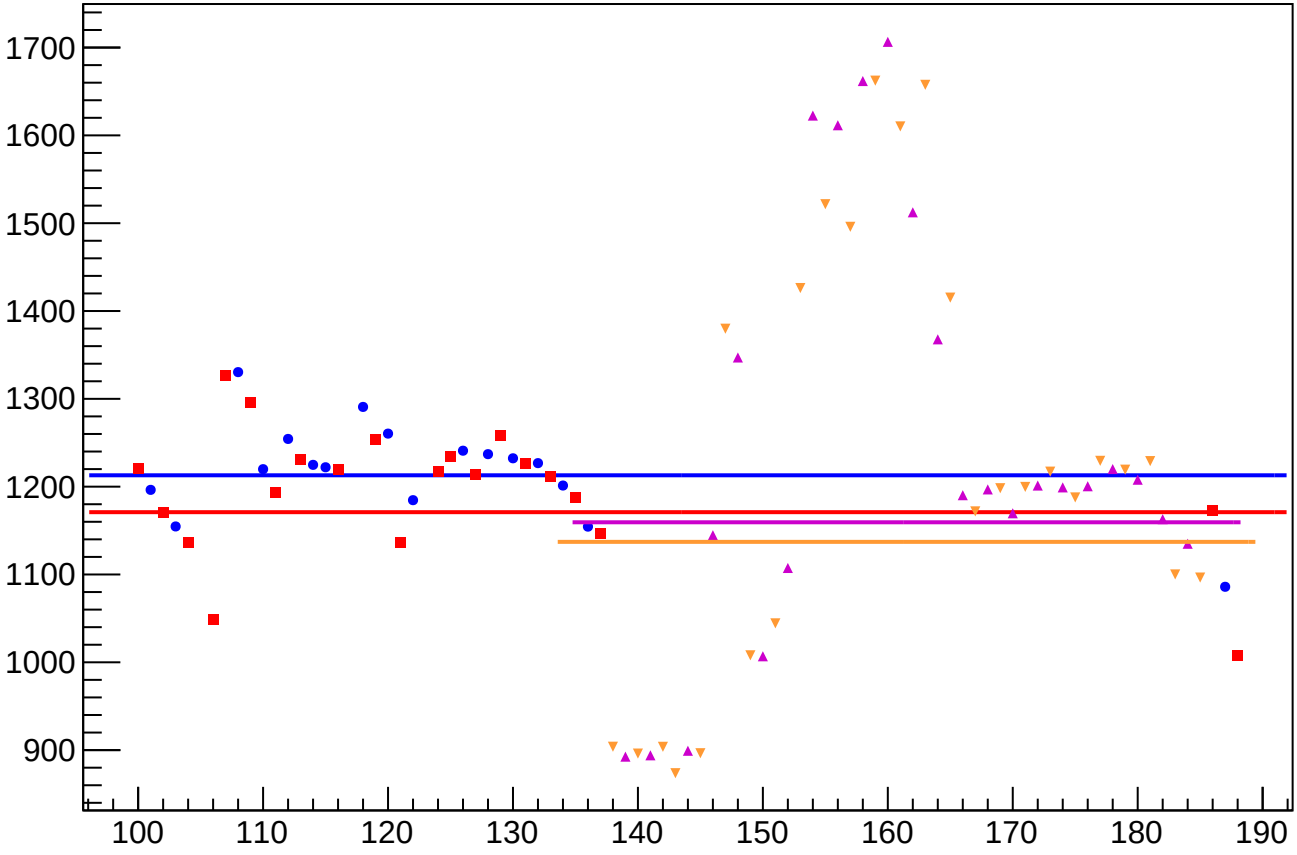
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.615+/-0.227 χ^2/NDF: 397.1/41

All: 1.108+/-0.160 χ^2/NDF: 1085.1/85

- sign 0.606+/-0.226 χ^2/NDF: 678.1/43

diff_bpm0l06Y_rms vs Slug



Right In: 1212.946+/-0.315 χ^2/NDF: 27001.7/16

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1170.946+/-0.278 χ^2/NDF: 97055.2/20

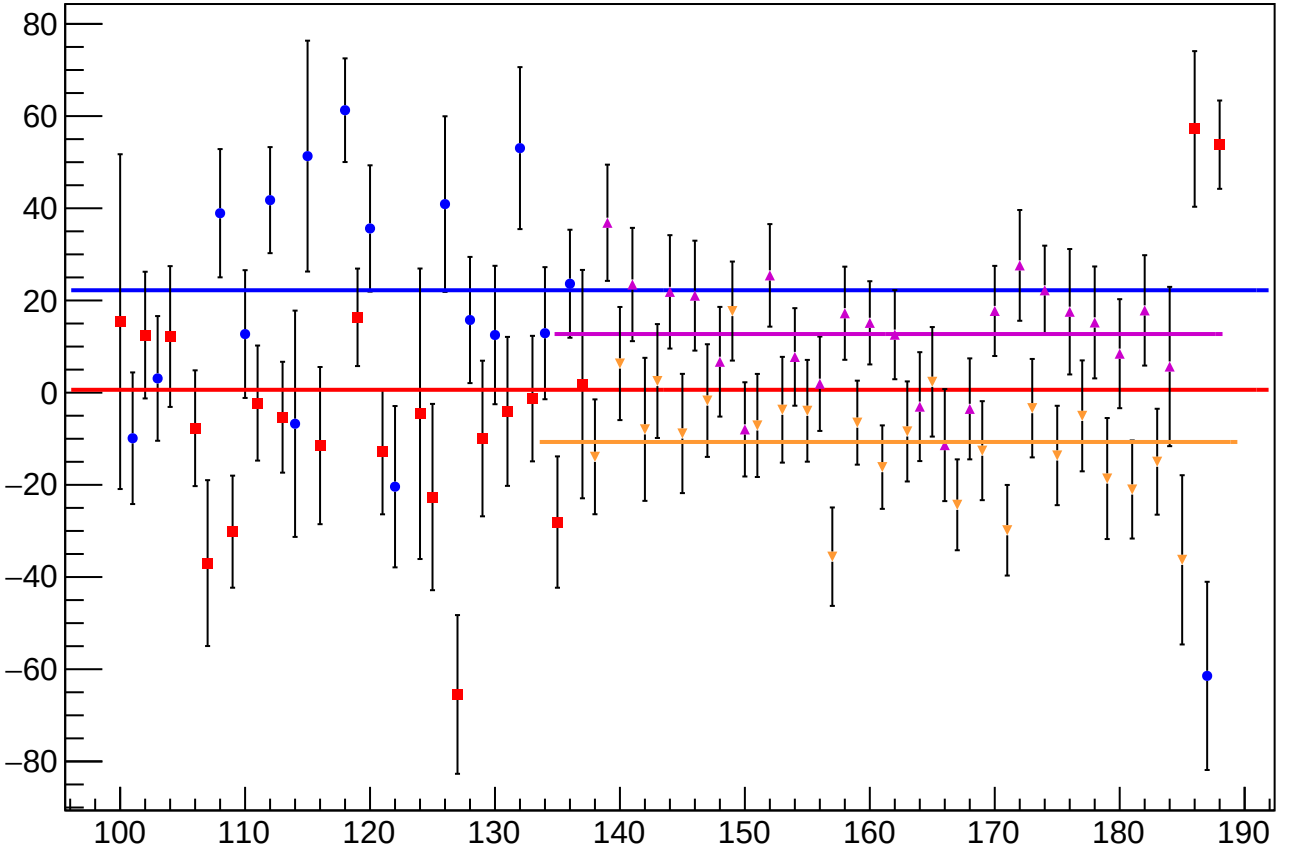
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1156.918+/-0.161 χ^2/NDF: 1539540.1/41

All: 1160.091+/-0.113 χ^2/NDF: 2898309.8/85

- sign 1163.238+/-0.160 χ^2/NDF: 1357993.6/43

diff_bpm0l07X_mean vs Slug



Right In: 22.218+/-3.572 χ^2/NDF: 55.5/16

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: 0.621+/-3.190 χ^2/NDF: 79.4/20

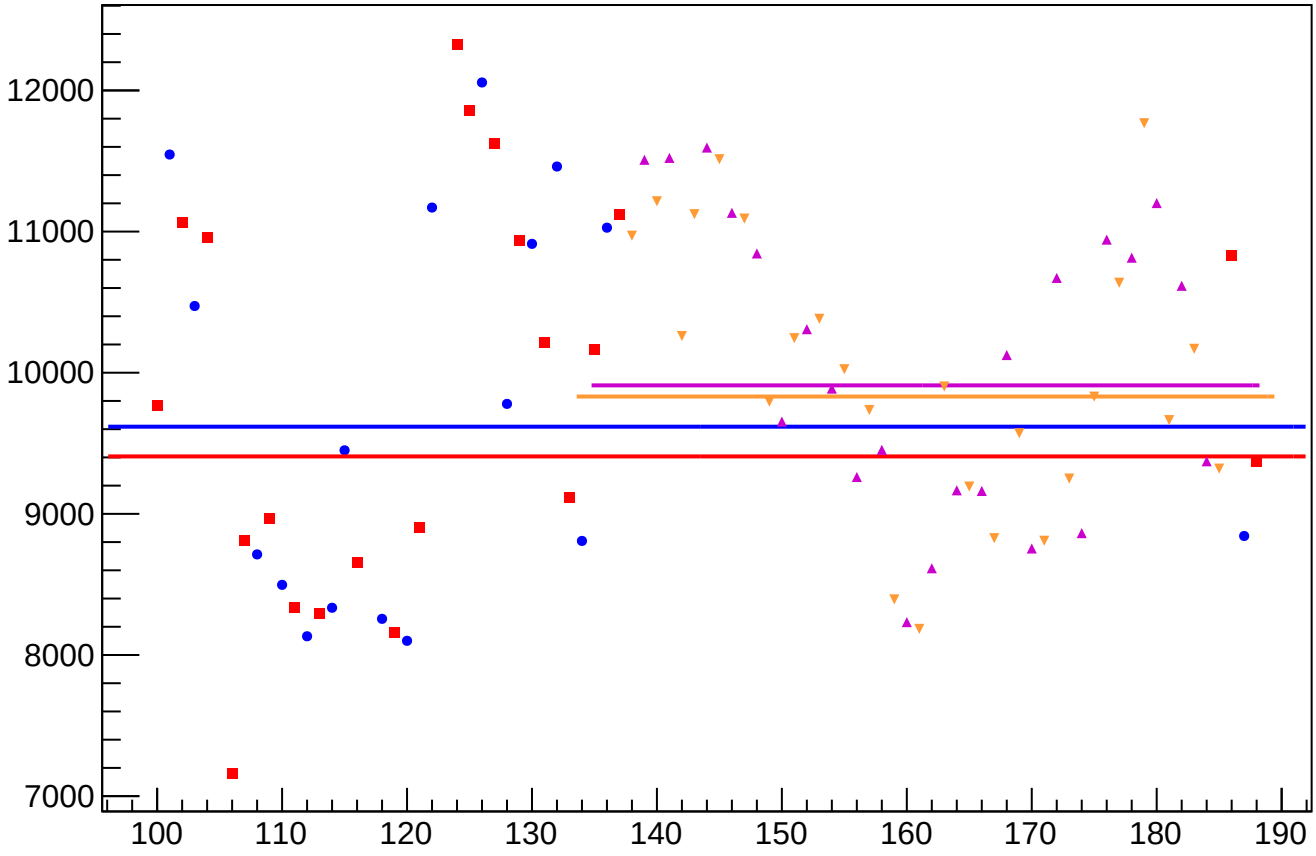
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -1.304+/-1.908 χ^2/NDF: 144.9/41

All: 3.645+/-1.342 χ^2/NDF: 271.0/85

- sign 8.485+/-1.887 χ^2/NDF: 112.8/43

diff_bpm0l07X_rms vs Slug



Right In: 9617.620+/-2.526 χ^2/NDF: 282625.5/16

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9406.925+/-2.256 χ^2/NDF: 316470.9/20

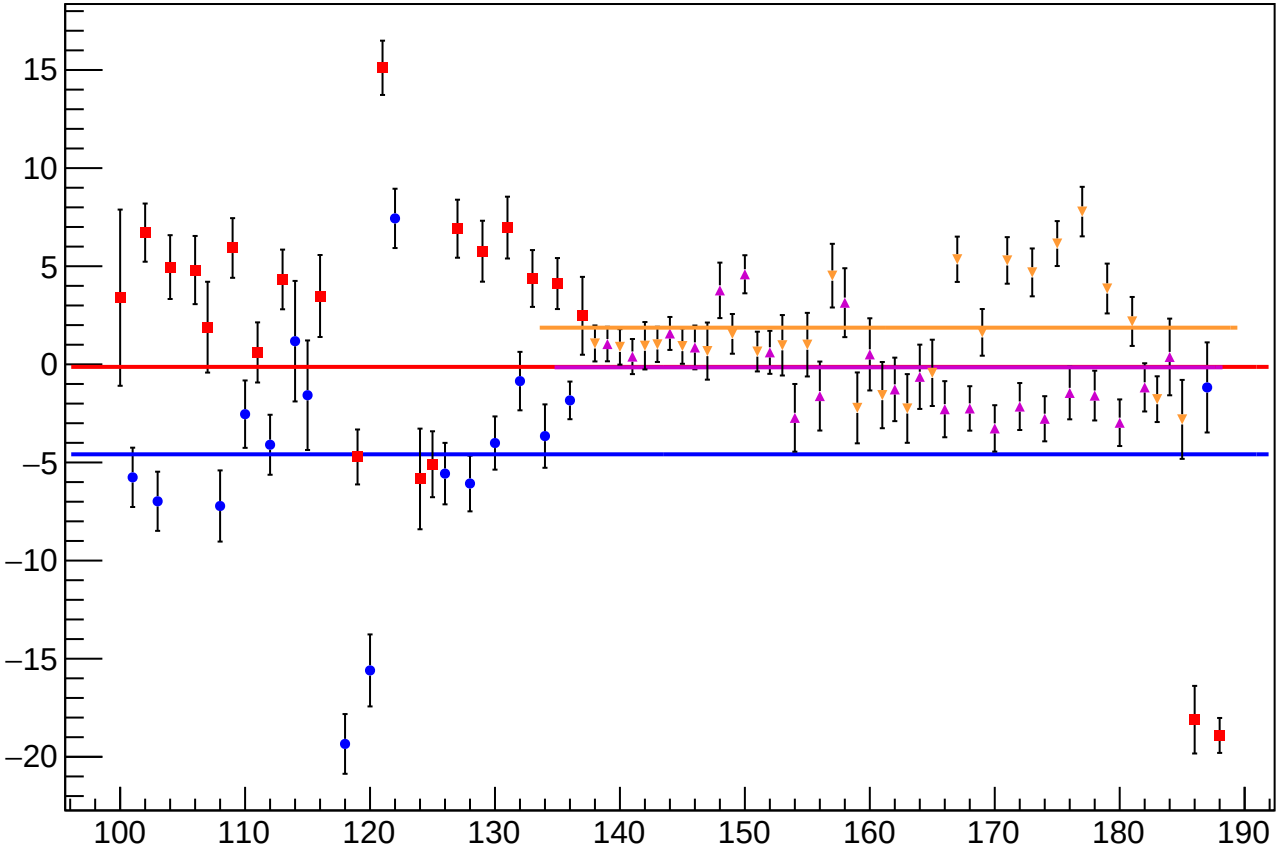
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9770.322+/-1.349 χ^2/NDF: 643865.3/41

All: 9752.037+/-0.949 χ^2/NDF: 1382431.1/85

- sign 9734.148+/-1.335 χ^2/NDF: 738202.4/43

diff_bpm0l07Y_mean vs Slug



Right In: -4.584+/-0.380 χ^2/NDF: 223.4/16

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -0.130+/-0.340 χ^2/NDF: 847.7/20

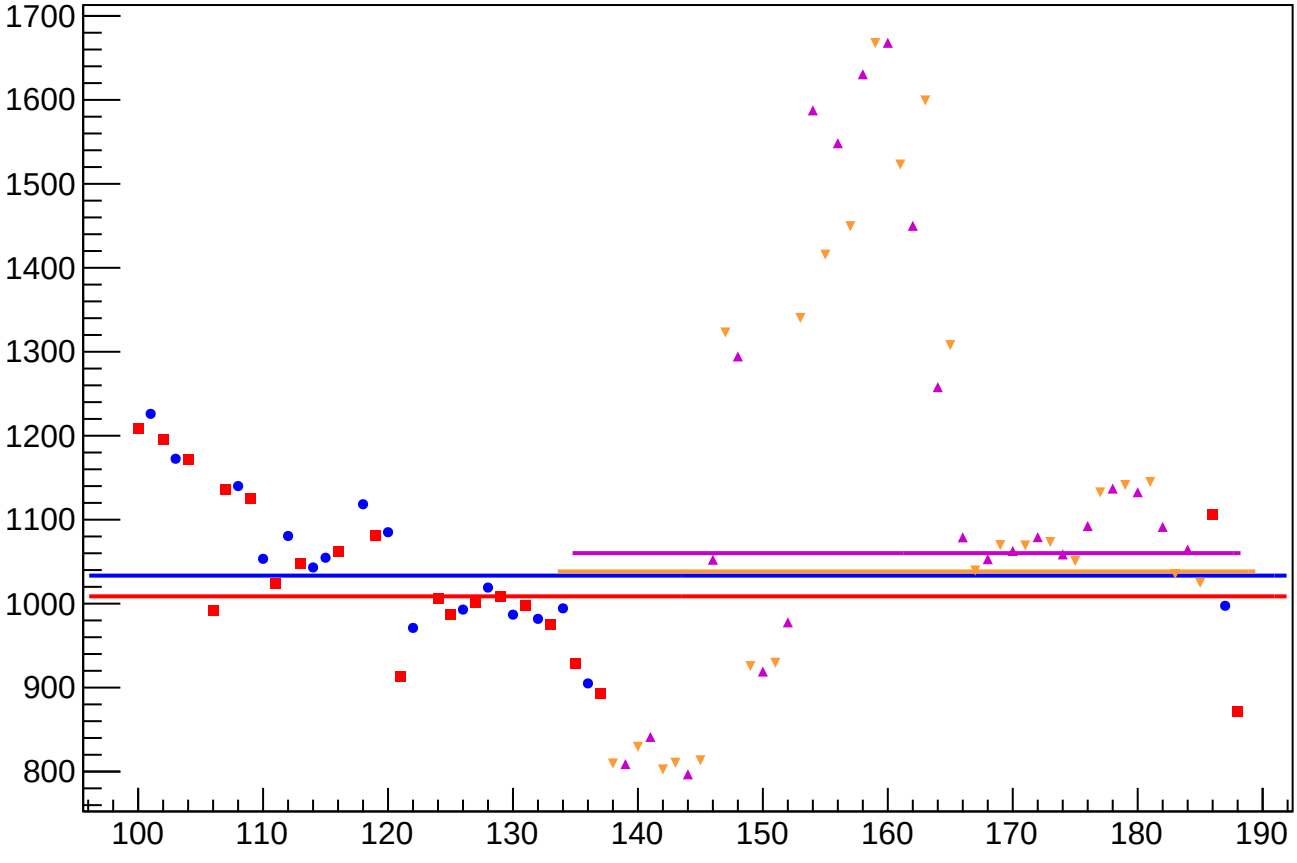
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.003+/-0.205 χ^2/NDF: 531.2/41

All: -0.071+/-0.144 χ^2/NDF: 1454.7/85

- sign -0.144+/-0.204 χ^2/NDF: 923.3/43

diff_bpm0l07Y_rms vs Slug



Right In: 1033.387+/-0.269 χ^2/NDF: 113782.8/16

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 1008.688+/-0.240 χ^2/NDF: 161008.1/20

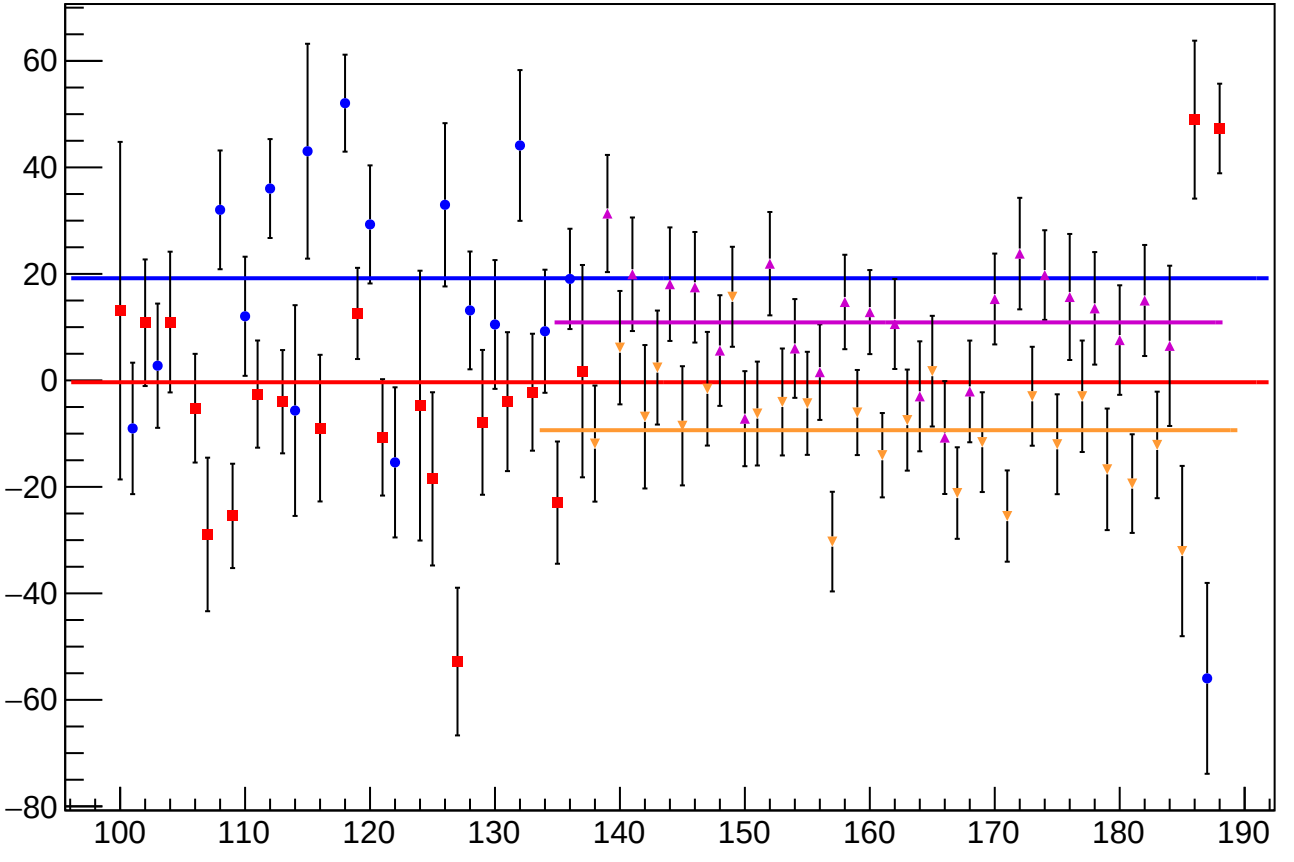
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1036.955+/-0.145 χ^2/NDF: 1820713.0/41

All: 1039.322+/-0.102 χ^2/NDF: 3534871.5/85

- sign 1041.669+/-0.144 χ^2/NDF: 1713625.1/43

diff_bpm0l08X_mean vs Slug



Right In: 19.184+/-2.913 χ^2/NDF: 58.1/16

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -0.347+/-2.623 χ^2/NDF: 79.3/20

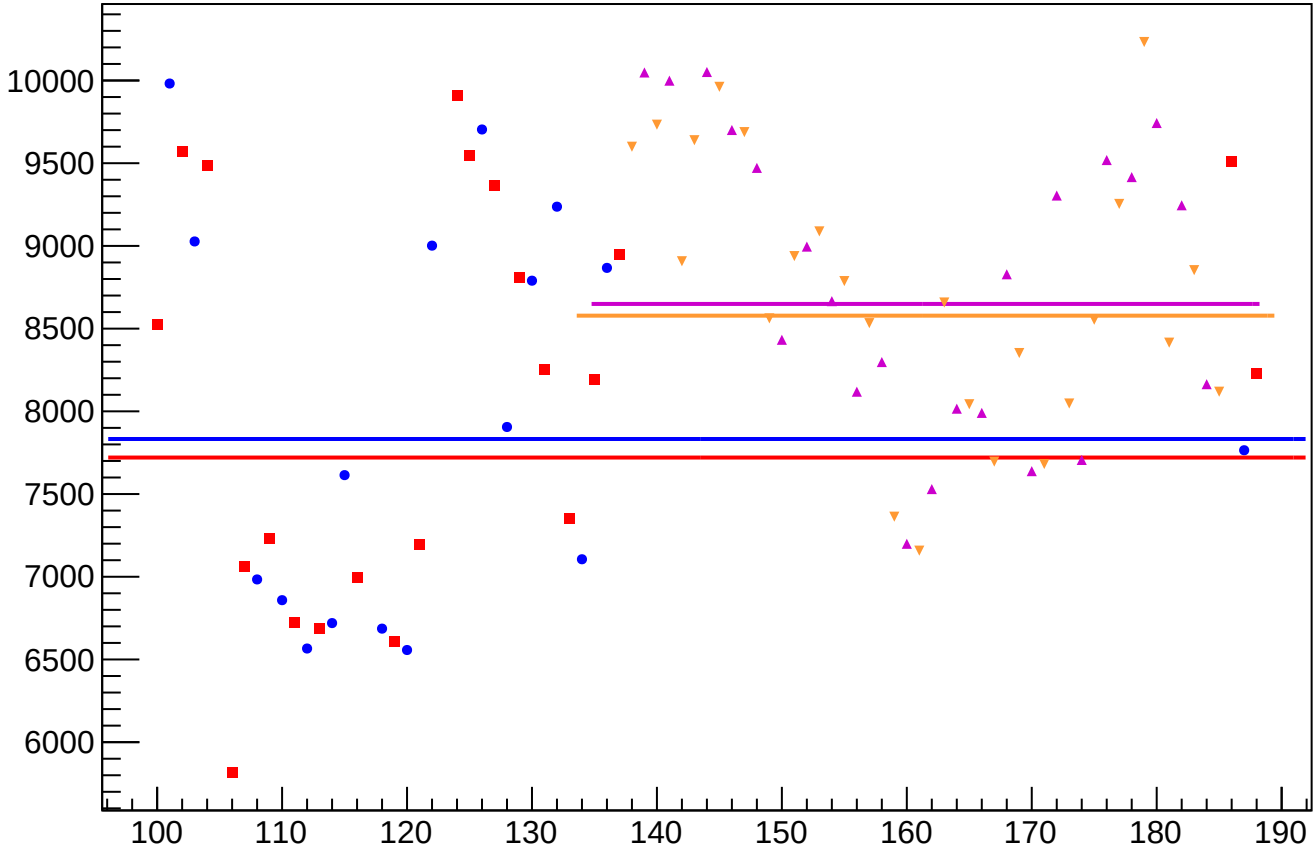
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -0.402+/-1.631 χ^2/NDF: 152.5/41

All: 3.167+/-1.147 χ^2/NDF: 276.3/85

- sign 6.650+/-1.612 χ^2/NDF: 114.3/43

diff_bpm0l08X_rms vs Slug



Right In: 7832.775+/-2.059 χ^2/NDF: 318119.1/16

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 7720.670+/-1.855 χ^2/NDF: 384462.3/20

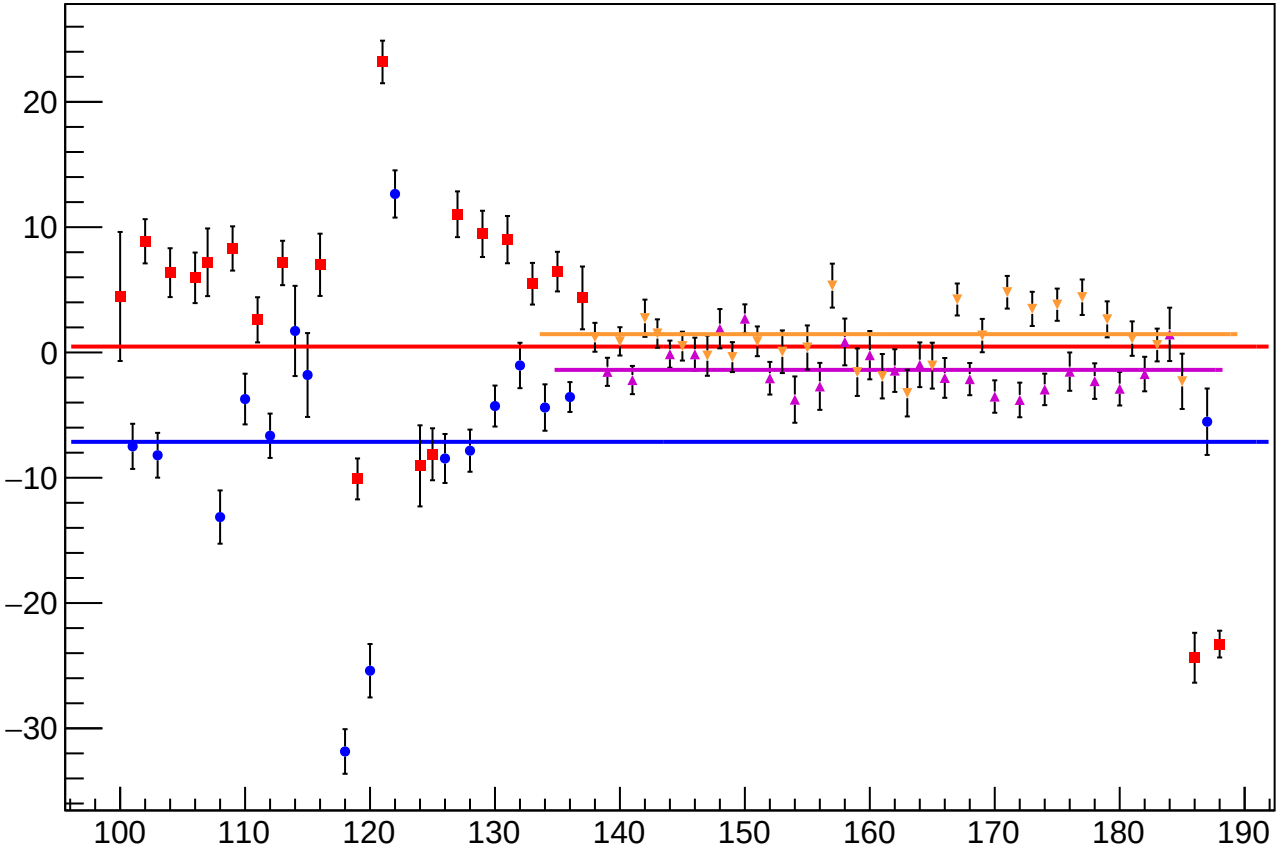
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8344.487+/-1.154 χ^2/NDF: 751794.6/41

All: 8321.369+/-0.811 χ^2/NDF: 1670978.2/85

- sign 8298.806+/-1.140 χ^2/NDF: 918390.0/43

diff_bpm0l08Y_mean vs Slug



Right In: -7.134+/-0.455 χ^2/NDF: 422.6/16

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 0.470+/-0.405 χ^2/NDF: 1087.2/20

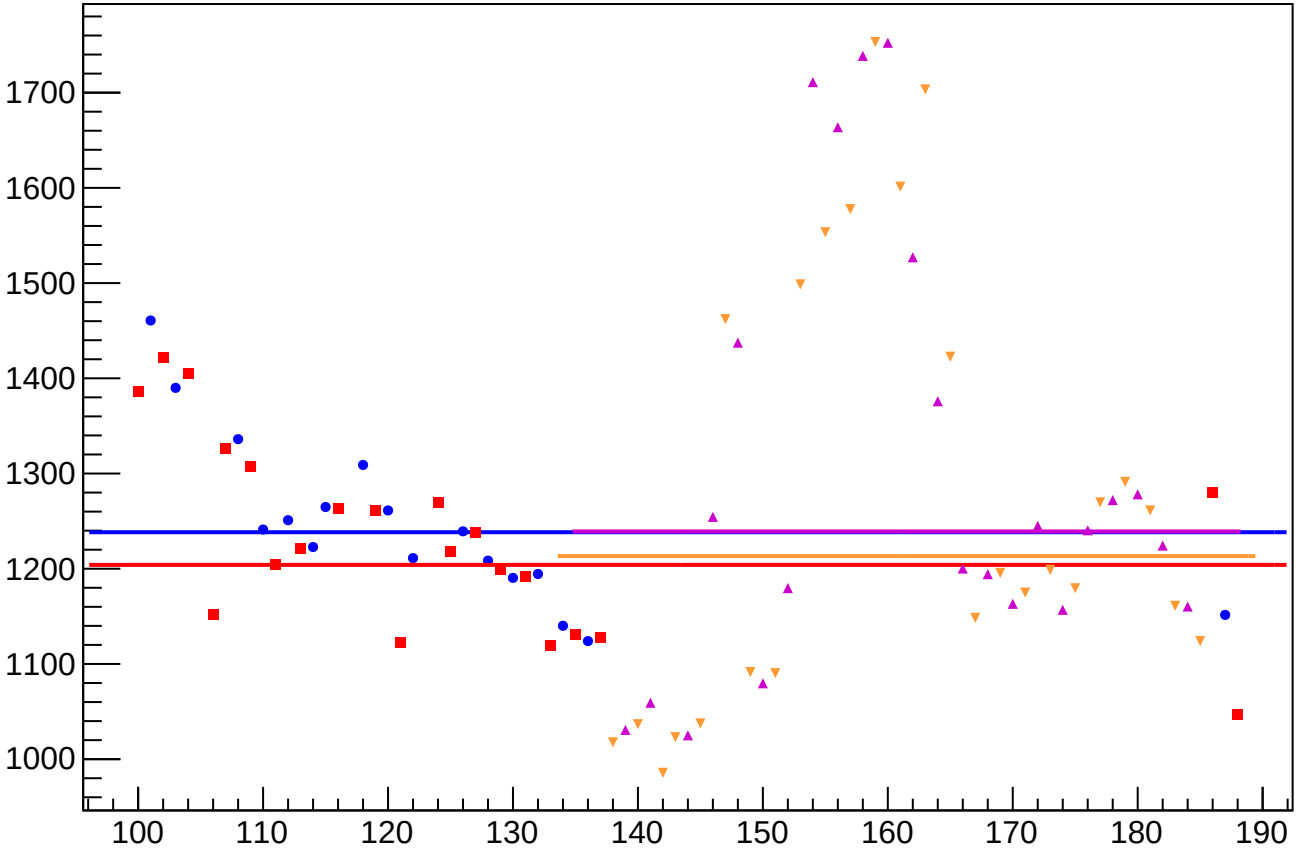
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -0.903+/-0.239 χ^2/NDF: 731.8/41

All: -0.825+/-0.169 χ^2/NDF: 1868.5/85

- sign -0.748+/-0.238 χ^2/NDF: 1136.5/43

diff_bpm0l08Y_rms vs Slug



Right In: 1238.365+/-0.322 χ^2/NDF: 82864.6/16

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1204.041+/-0.287 χ^2/NDF: 133889.4/20

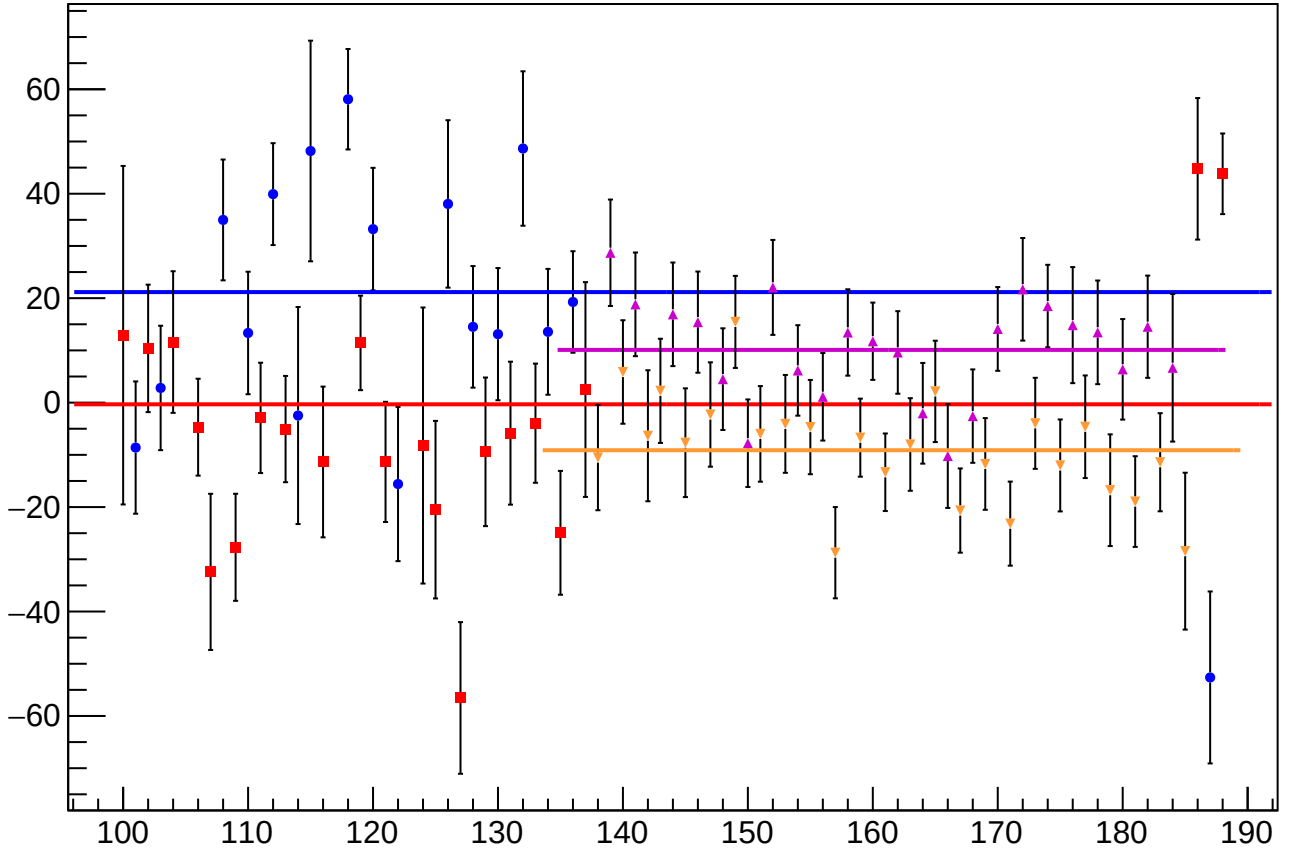
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1220.166+/-0.169 χ^2/NDF: 1100032.2/41

All: 1223.619+/-0.119 χ^2/NDF: 2130188.9/85

- sign 1227.050+/-0.168 χ^2/NDF: 1029323.5/43

diff_bpm0l09X_mean vs Slug



Right In: 21.164+/-3.029 χ^2/NDF: 64.2/16

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

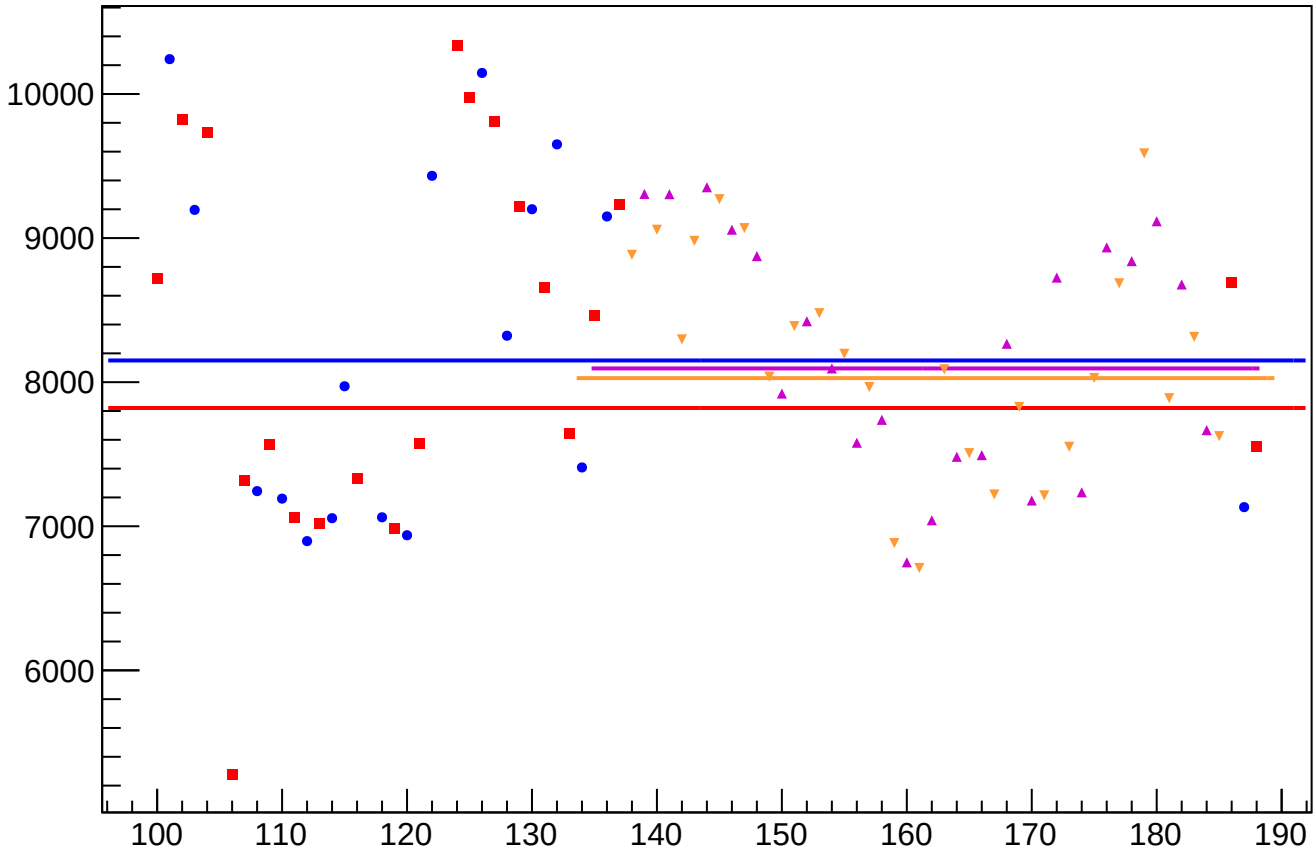
Right Out: -0.323+/-2.661 χ^2/NDF: 82.4/20

Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -0.936+/-1.574 χ^2/NDF: 165.9/41

All: 2.859+/-1.105 χ^2/NDF: 294.2/85

- sign 6.550+/-1.552 χ^2/NDF: 116.8/43



Right In: 8150.693+/-2.142 χ^2/NDF: 298545.1/16

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 7820.927+/-1.882 χ^2/NDF: 433724.8/20

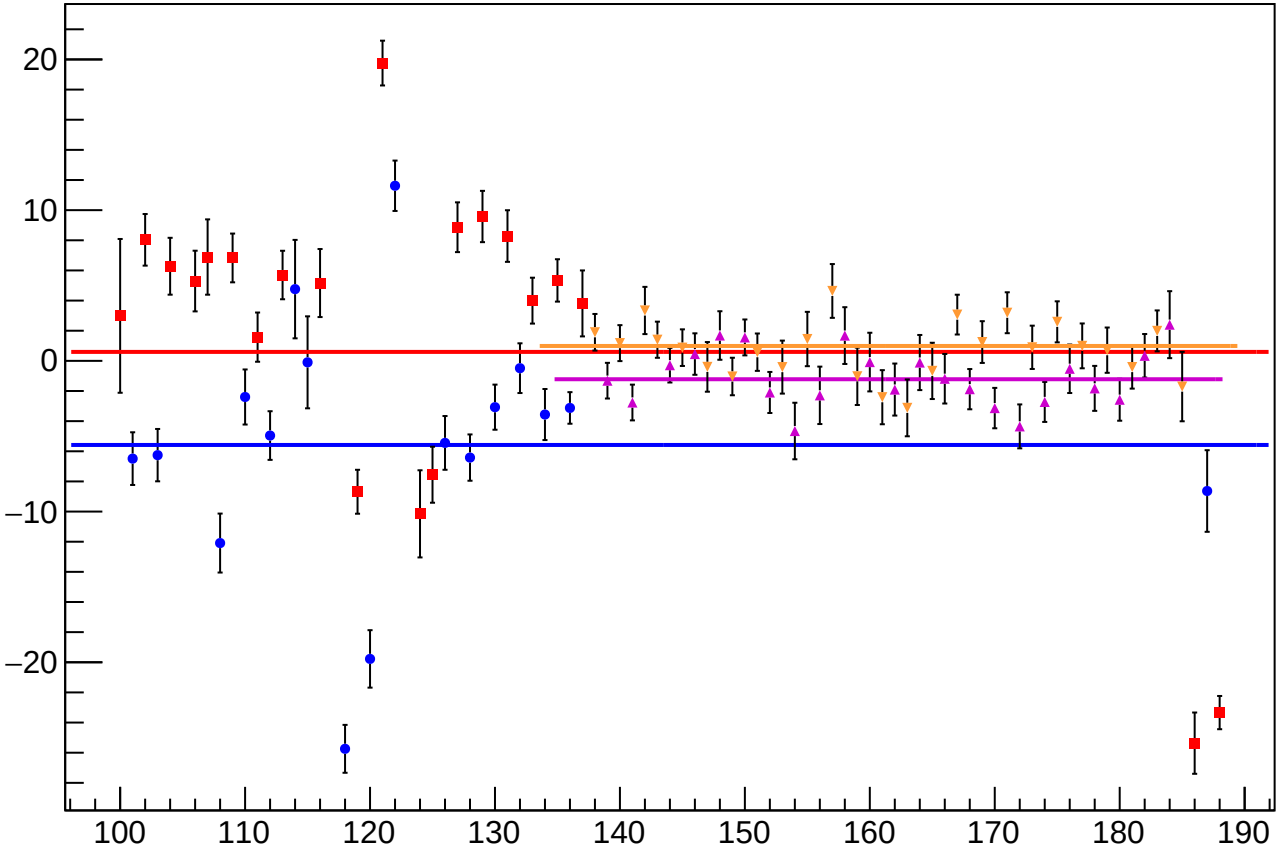
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 8061.180+/-1.113 χ^2/NDF: 633396.2/41

All: 8031.168+/-0.782 χ^2/NDF: 1450039.3/85

- sign 8001.978+/-1.098 χ^2/NDF: 815208.9/43

diff_bpm0l09Y_mean vs Slug



Right In: -5.580+/-0.416 χ^2/NDF: 371.1/16

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 0.595+/-0.378 χ^2/NDF: 1035.1/20

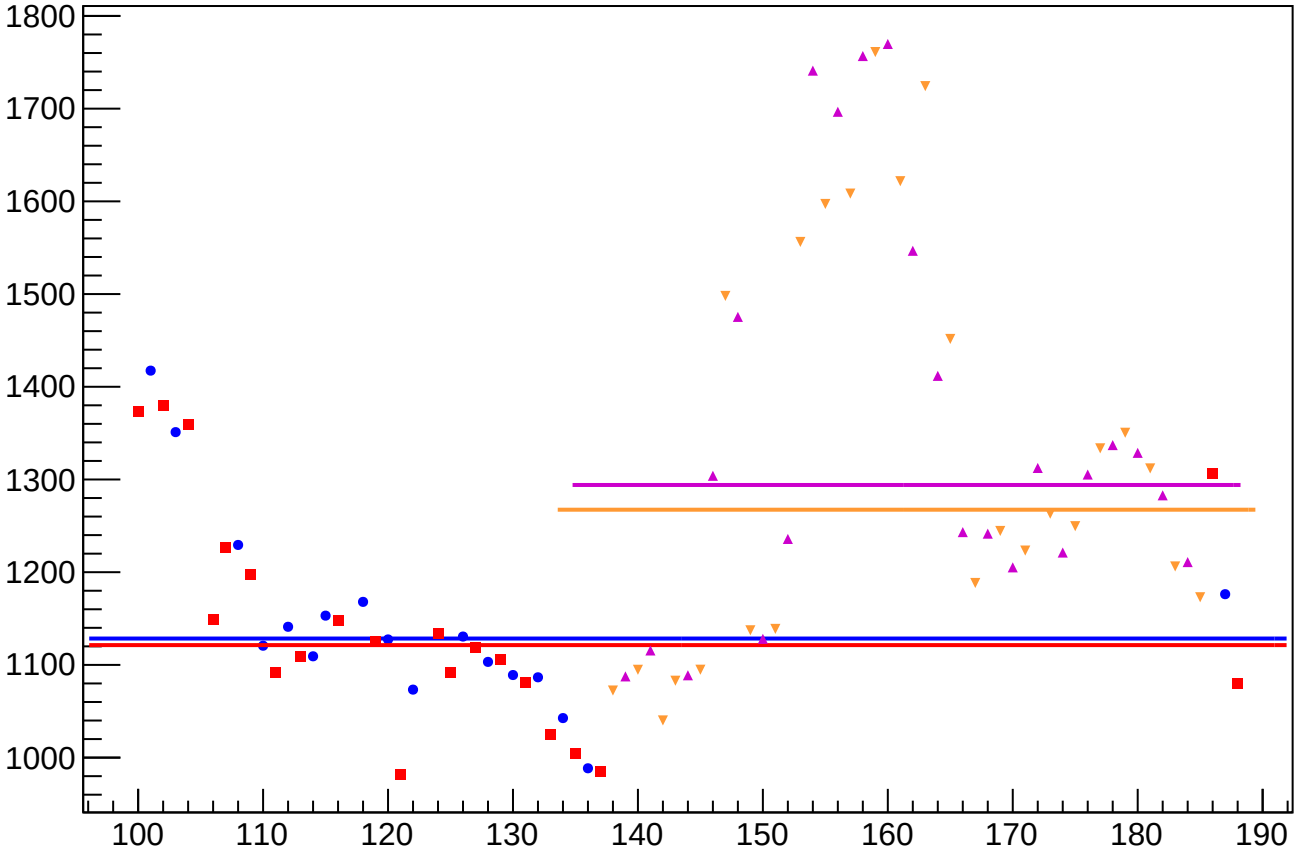
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.184+/-0.239 χ^2/NDF: 569.1/41

All: -0.840+/-0.169 χ^2/NDF: 1655.3/85

- sign -0.499+/-0.238 χ^2/NDF: 1082.1/43

diff_bpm0l09Y_rms vs Slug



Right In: 1128.445+/-0.294 χ^2/NDF: 141255.2/16

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1121.356+/-0.267 χ^2/NDF: 160186.2/20

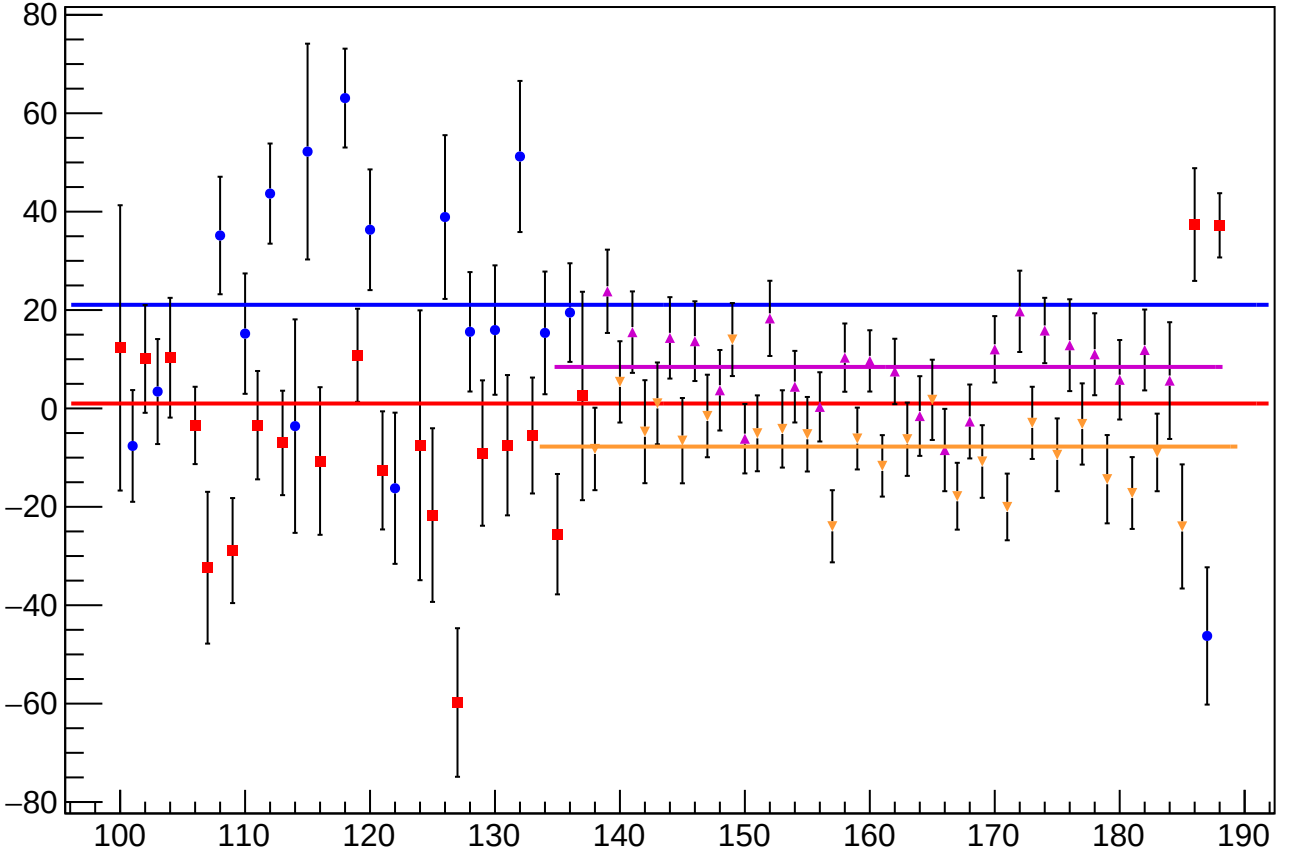
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1221.446+/-0.169 χ^2/NDF: 1169127.0/41

All: 1223.490+/-0.119 χ^2/NDF: 2339790.0/85

- sign 1225.515+/-0.168 χ^2/NDF: 1170372.1/43

diff_bpm0l10X_mean vs Slug



Right In: 21.064+/-3.060 χ^2/NDF: 72.8/16

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 1.000+/-2.576 χ^2/NDF: 82.6/20

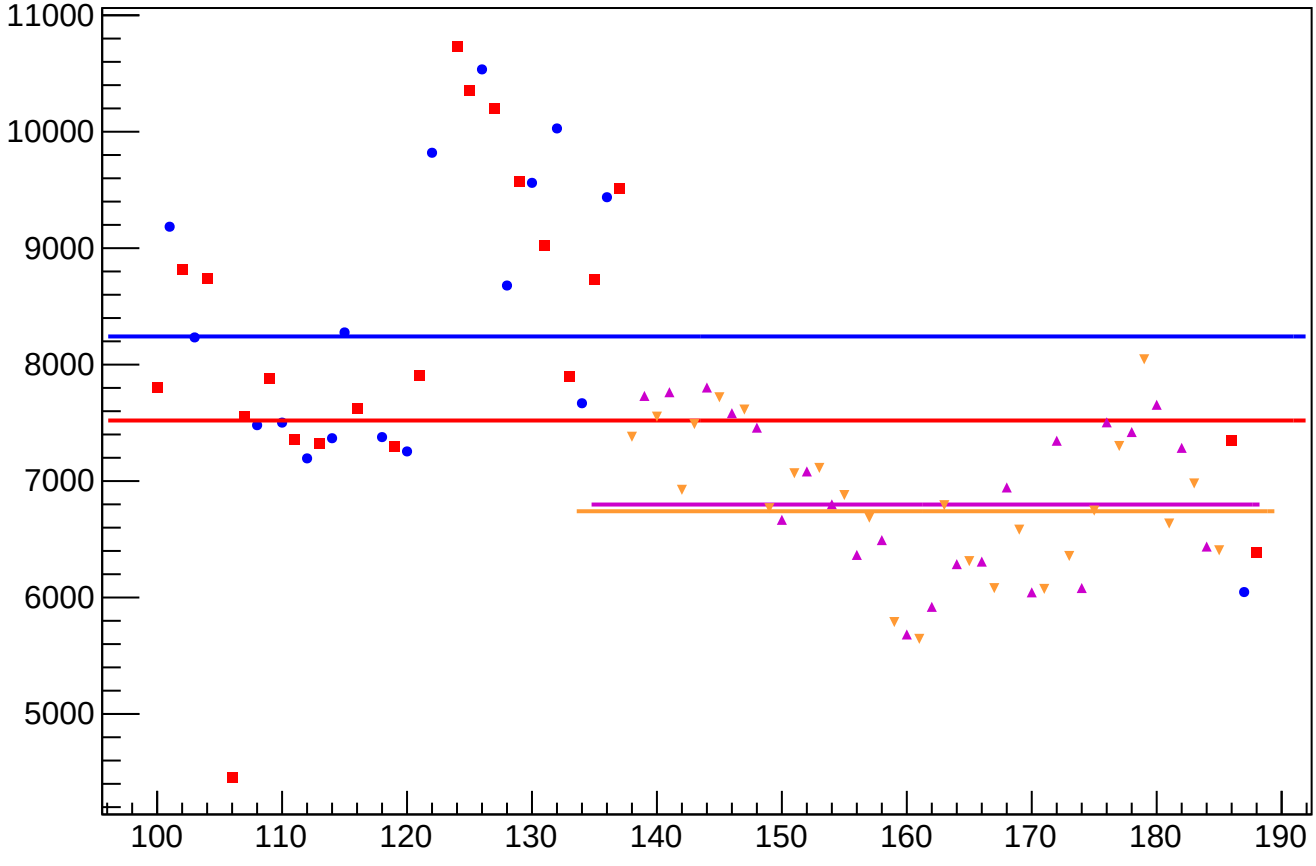
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -1.888+/-1.380 χ^2/NDF: 173.8/41

All: 2.290+/-0.969 χ^2/NDF: 305.3/85

- sign 6.358+/-1.362 χ^2/NDF: 113.4/43

diff_bpm0l10X_rms vs Slug



Right In: 8241.896+/-2.164 χ^2/NDF: 272394.6/16

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7520.126+/-1.821 χ^2/NDF: 661490.4/20

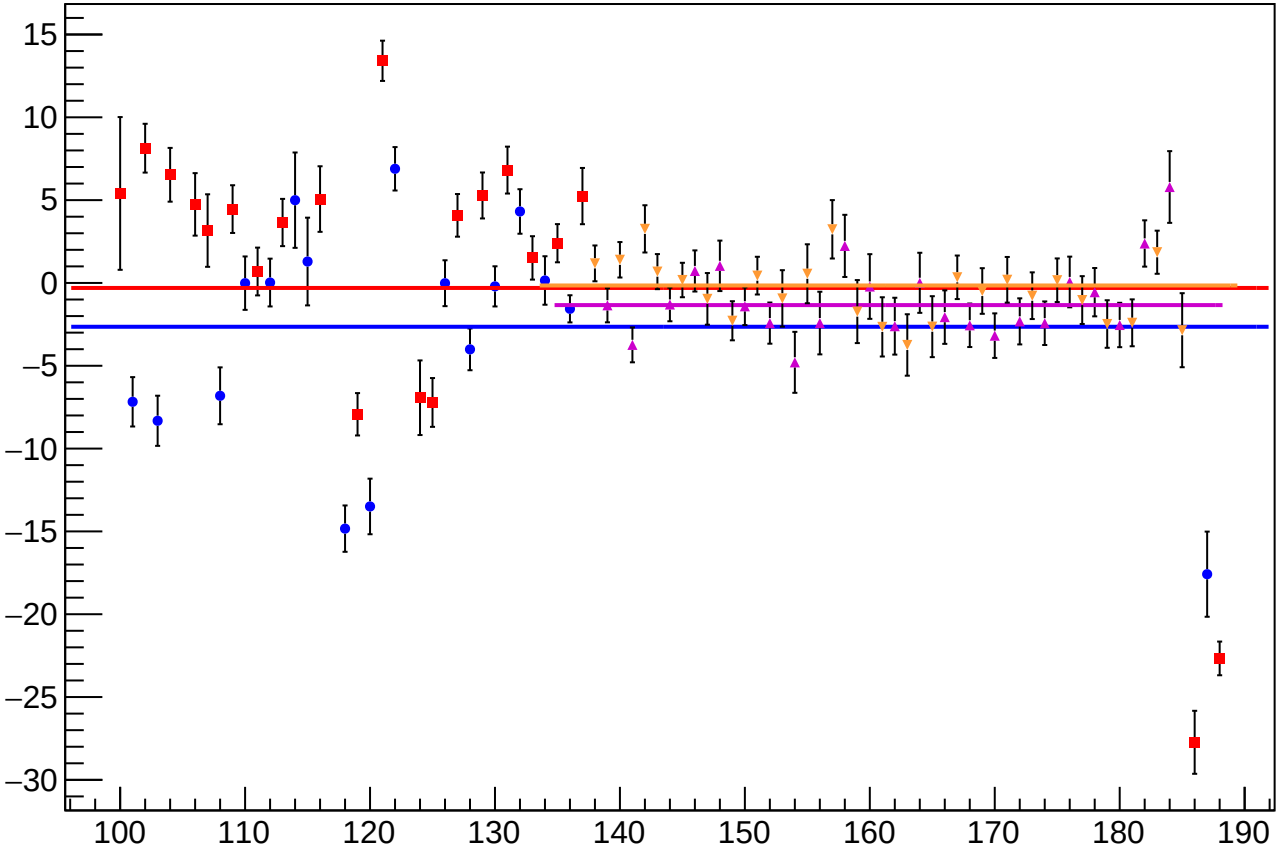
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 7046.294+/-0.976 χ^2/NDF: 972475.1/41

All: 7022.973+/-0.686 χ^2/NDF: 2101446.1/85

- sign 7000.266+/-0.963 χ^2/NDF: 1127844.1/43

diff_bpm0l10Y_mean vs Slug



Right In: -2.645+/-0.347 χ^2/NDF: 290.0/16

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -0.302+/-0.323 χ^2/NDF: 1044.7/20

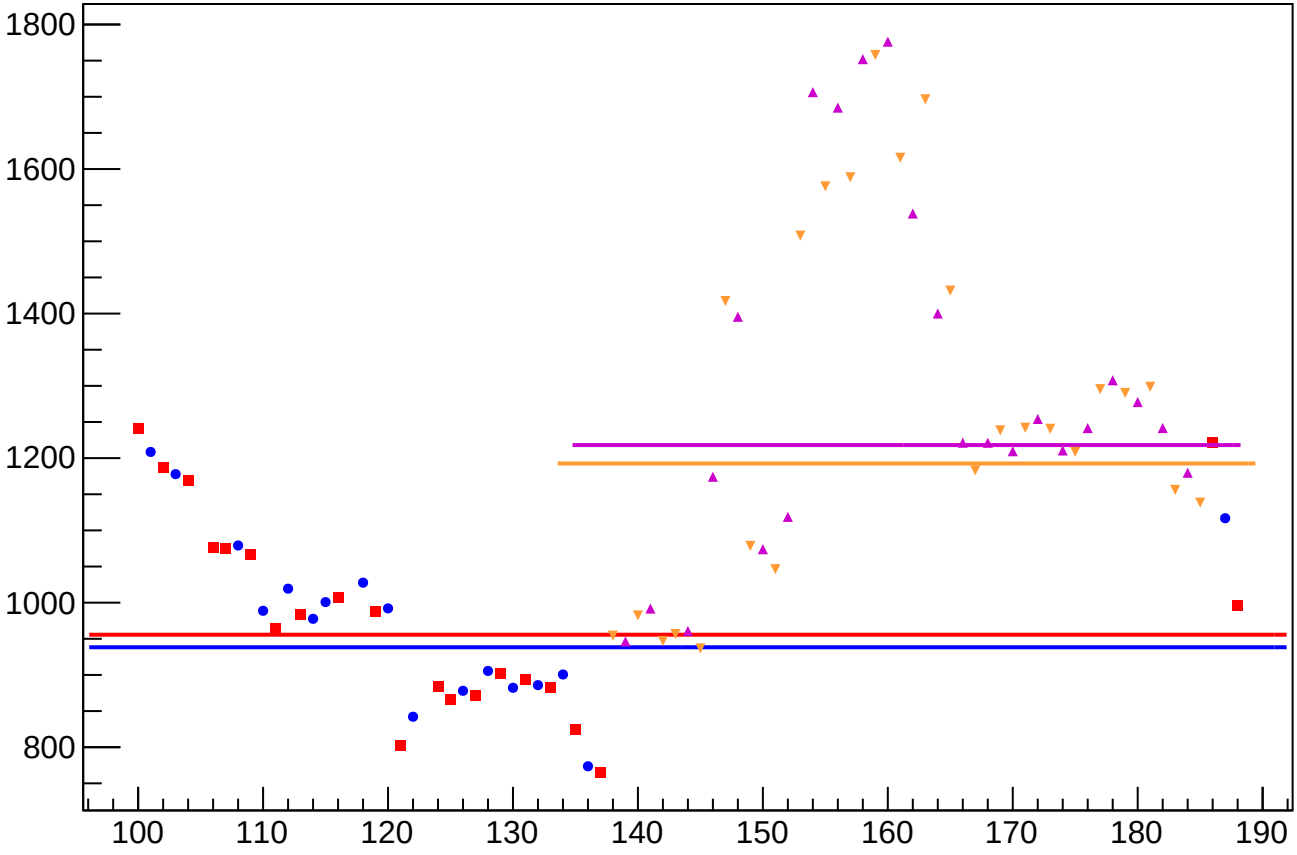
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -1.121+/-0.216 χ^2/NDF: 357.6/41

All: -0.997+/-0.153 χ^2/NDF: 1452.6/85

- sign -0.875+/-0.216 χ^2/NDF: 1094.4/43

diff_bpm0l10Y_rms vs Slug



Right In: 938.293+/-0.246 χ^2/NDF: 264191.4/16

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 955.649+/-0.228 χ^2/NDF: 277947.2/20

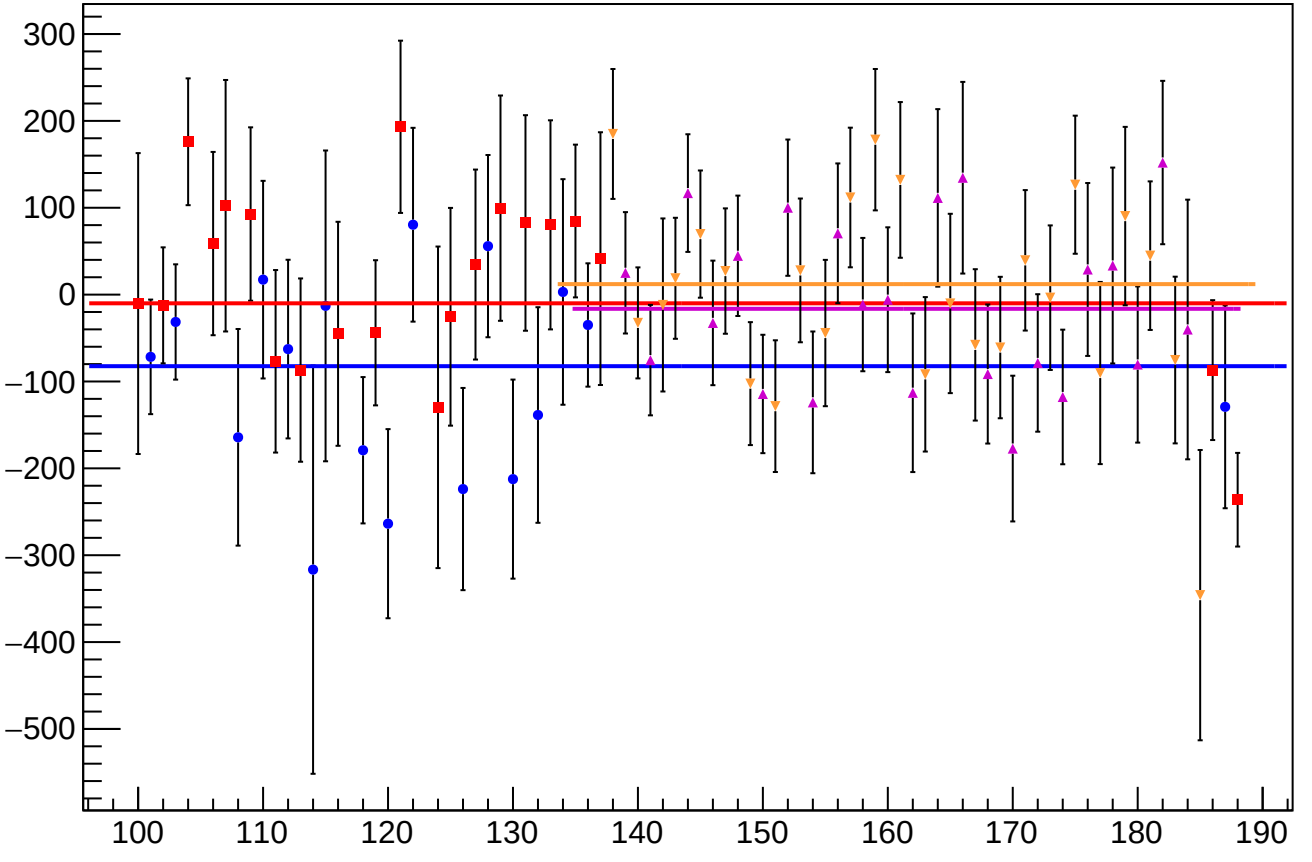
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1093.819+/-0.153 χ^2/NDF: 2240364.4/41

All: 1097.374+/-0.108 χ^2/NDF: 4377538.2/85

- sign 1100.912+/-0.153 χ^2/NDF: 2136097.0/43

diff_bpm0r03X_mean vs Slug



Right In: -82.383+/-24.360 χ^2/NDF: 15.0/16

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

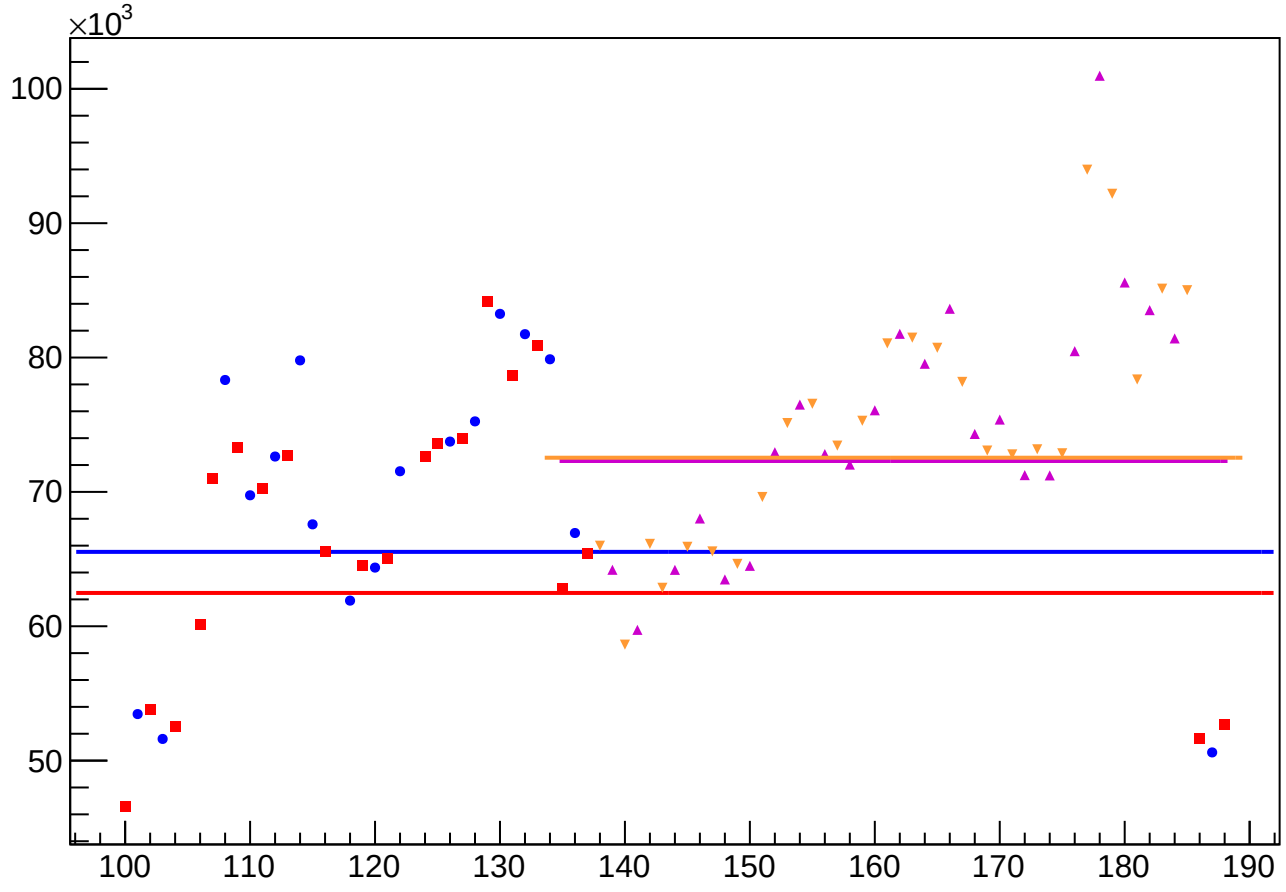
Right Out: -10.003+/-21.254 χ^2/NDF: 36.2/20

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign -17.893+/-13.722 χ^2/NDF: 58.0/41

All: -15.813+/-9.544 χ^2/NDF: 123.0/85

- sign -13.864+/-13.284 χ^2/NDF: 64.9/43



Right In: 65536.343+/-17.225 χ^2/NDF: 372573.8/16

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 62479.184+/-15.029 χ^2/NDF: 436445.5/20

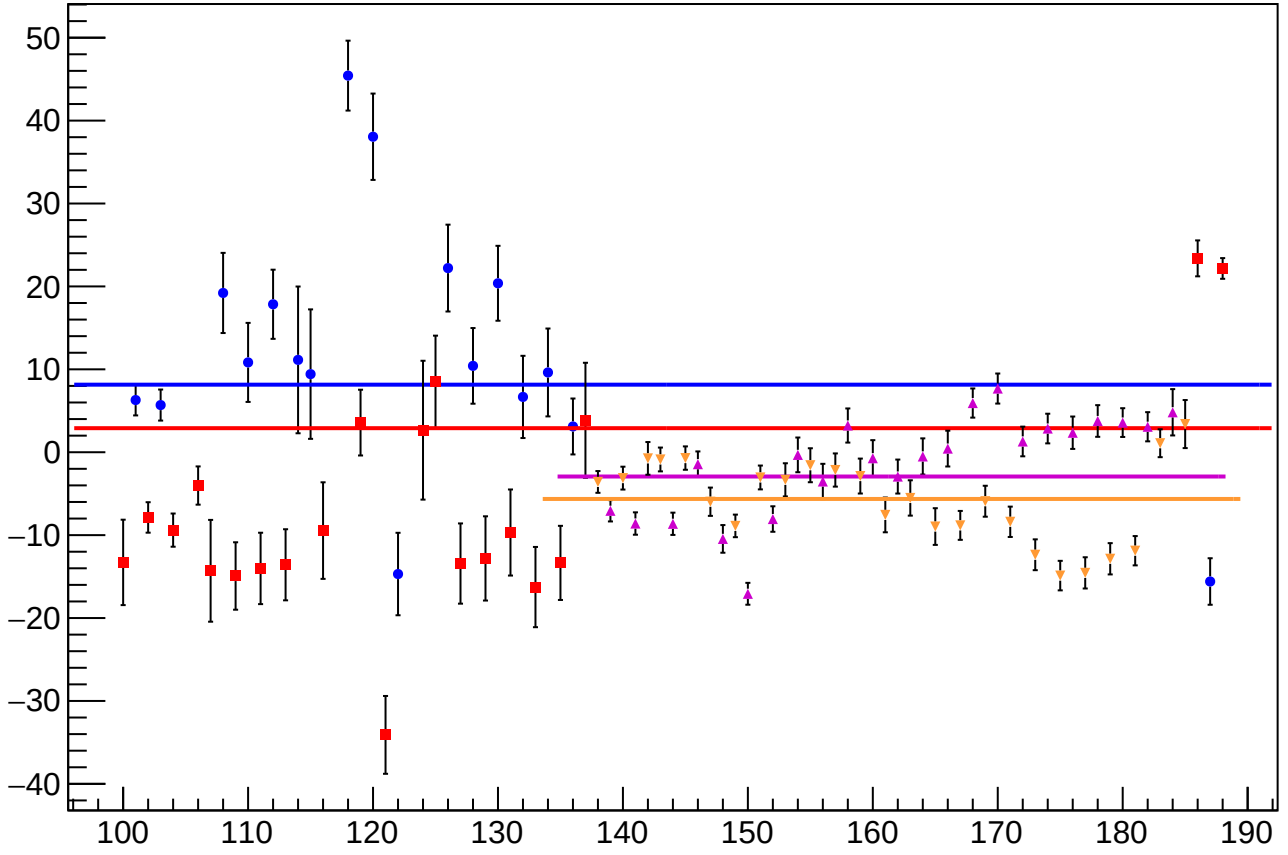
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

\+ sign 70320.621+/-9.703 χ^2/NDF: 985637.6/41

All: 69362.118+/-6.749 χ^2/NDF: 2189999.2/8

\- sign 68463.841+/-9.393 χ^2/NDF: 1185458.6/43

diff_bpm0r03Y_mean vs Slug



Right In: 8.149+/-0.875 χ^2/NDF: 234.9/16

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

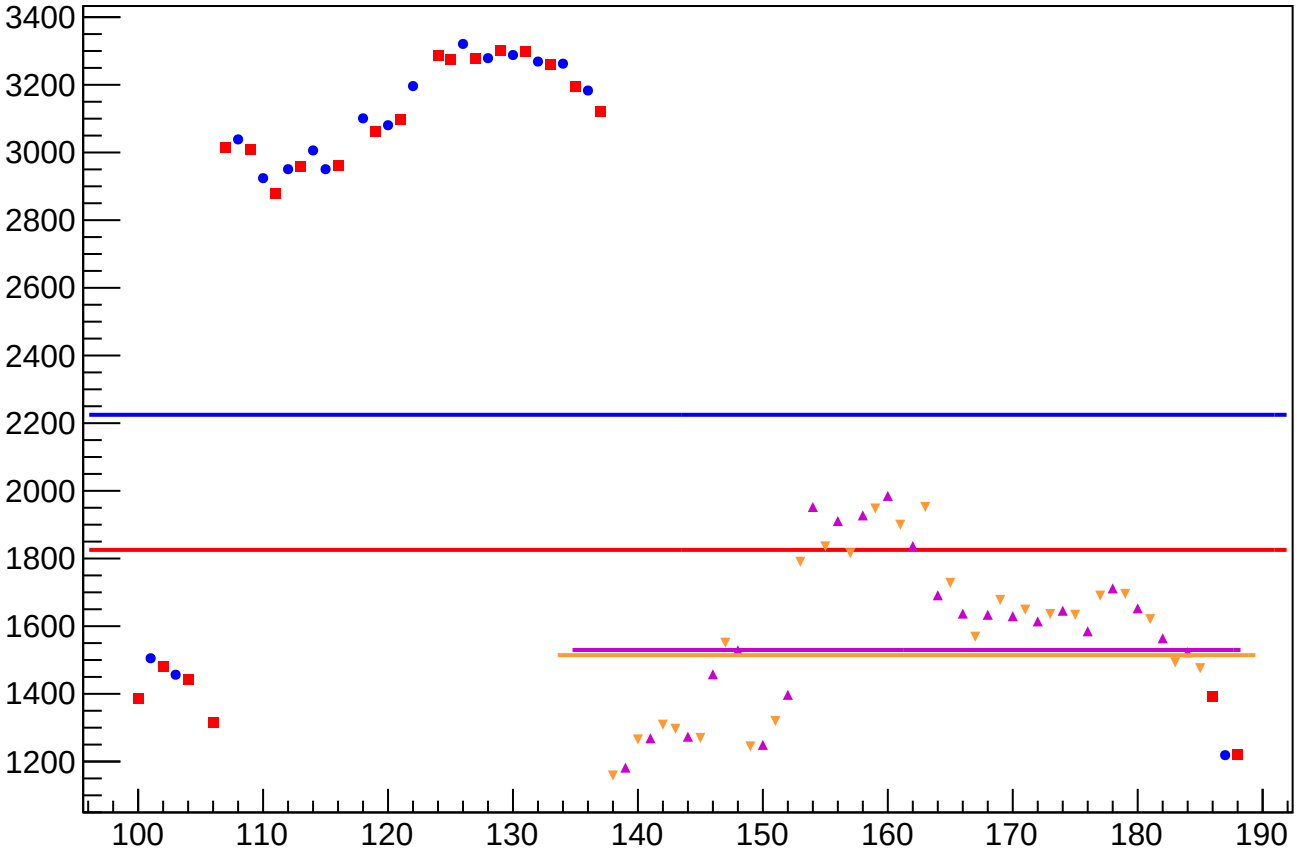
Right Out: 2.901+/-0.668 χ^2/NDF: 599.0/20

Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

\+ sign -3.742+/-0.324 χ^2/NDF: 627.3/41

All: -2.655+/-0.227 χ^2/NDF: 1644.6/85

\- sign -1.605+/-0.319 χ^2/NDF: 995.2/43



Right In: 2224.742+/-0.618 χ^2/NDF: 1936147.3/16

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1825.435+/-0.473 χ^2/NDF: 2864456.2/20

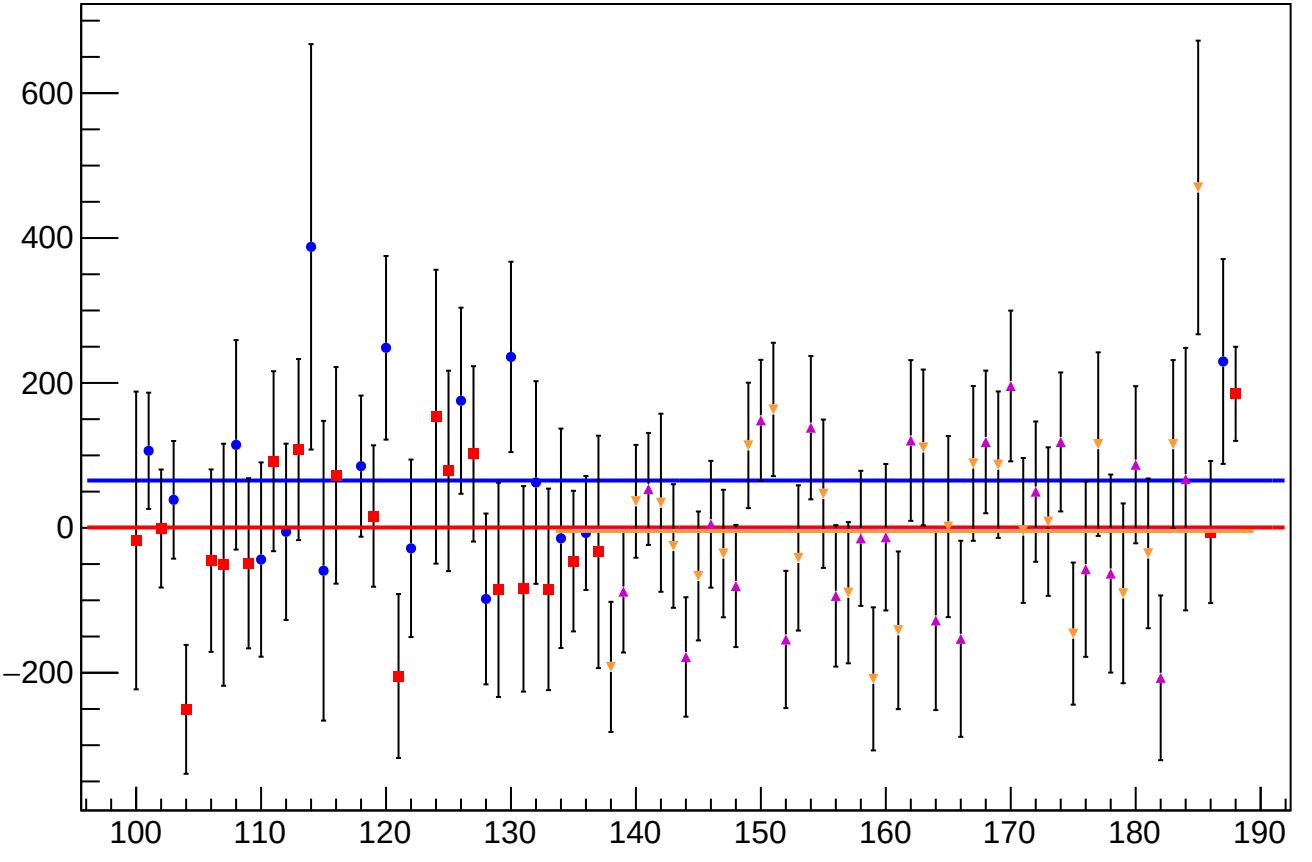
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1611.917+/-0.229 χ^2/NDF: 4007574.7/41

All: 1604.221+/-0.161 χ^2/NDF: 8005451.6/85

- sign 1596.793+/-0.225 χ^2/NDF: 3995662.0/43

diff_bpm0r05X_mean vs Slug



Right In: 65.322+/-28.331 χ^2/NDF: 12.7/16

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

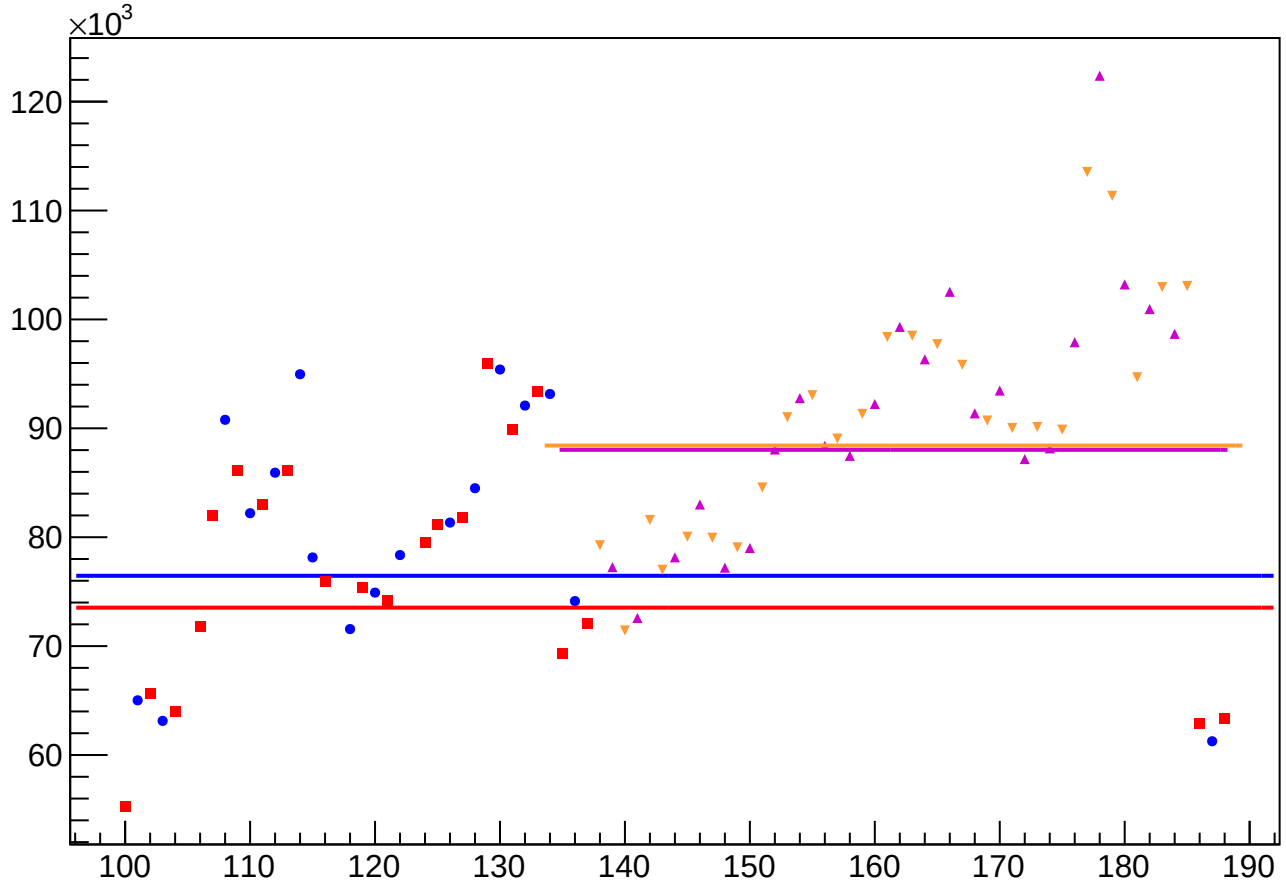
Right Out: 0.523+/-24.944 χ^2/NDF: 24.2/20

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 19.244+/-16.469 χ^2/NDF: 47.2/41

All: 8.496+/-11.453 χ^2/NDF: 102.9/85

- sign -1.572+/-15.938 χ^2/NDF: 54.9/43



Right In: 76457.196+/-20.033 χ^2/NDF: 272617.5/16

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 73530.974+/-17.638 χ^2/NDF: 326480.2/20

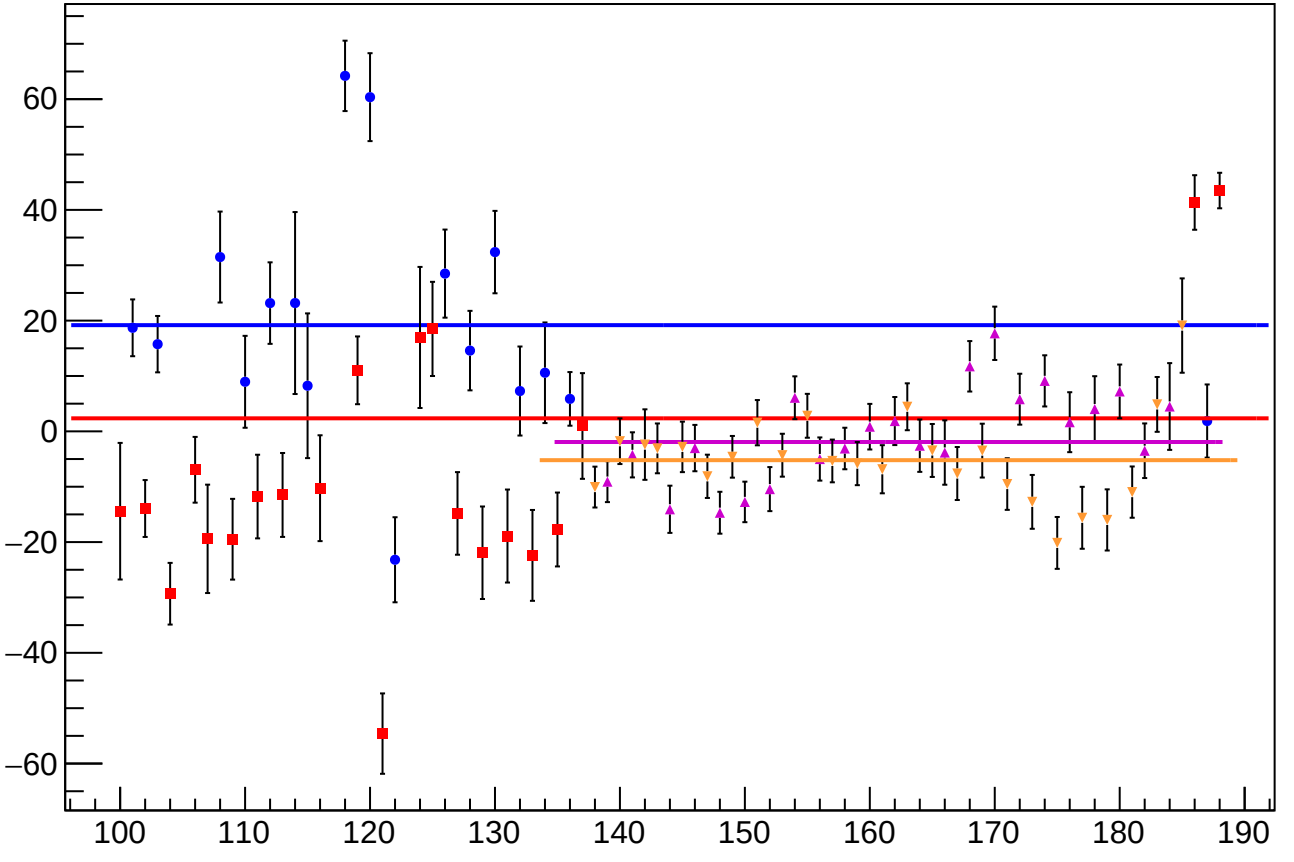
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 84376.168+/-11.645 χ^2/NDF: 990587.4/41

All: 83204.300+/-8.099 χ^2/NDF: 2220975.1/8

- sign 82106.704+/-11.270 χ^2/NDF: 1210776.6/43

diff_bpm0r05Y_mean vs Slug



Right In: 19.182+/-1.720 χ^2/NDF: 135.2/16

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: 2.352+/-1.445 χ^2/NDF: 403.1/20

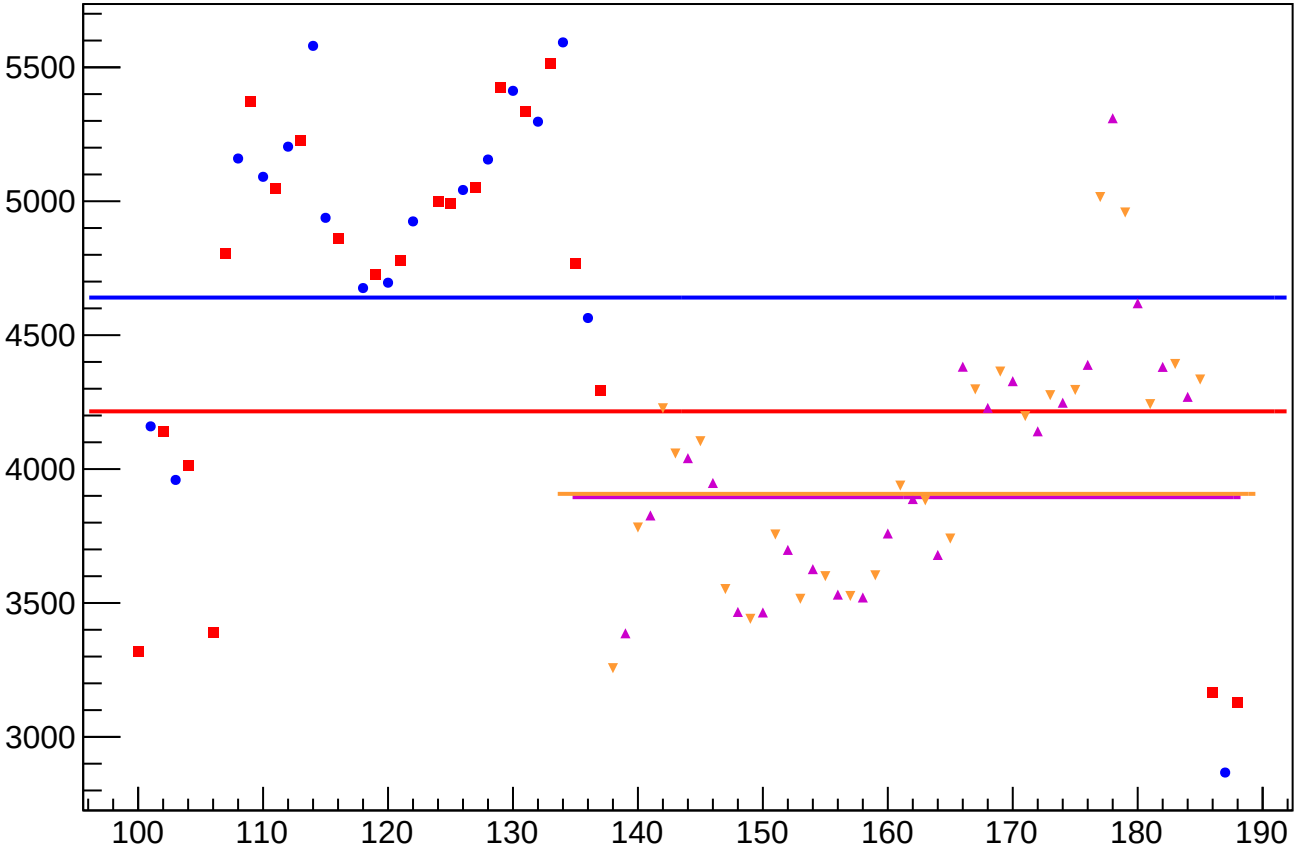
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.022+/-0.793 χ^2/NDF: 344.4/41

All: -0.368+/-0.554 χ^2/NDF: 837.3/85

- sign -0.697+/-0.774 χ^2/NDF: 492.5/43

diff_bpm0r05Y_rms vs Slug



Right In: 4640.398+/-1.217 χ^2/NDF: 306224.8/16

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 4215.491+/-1.022 χ^2/NDF: 716312.6/20

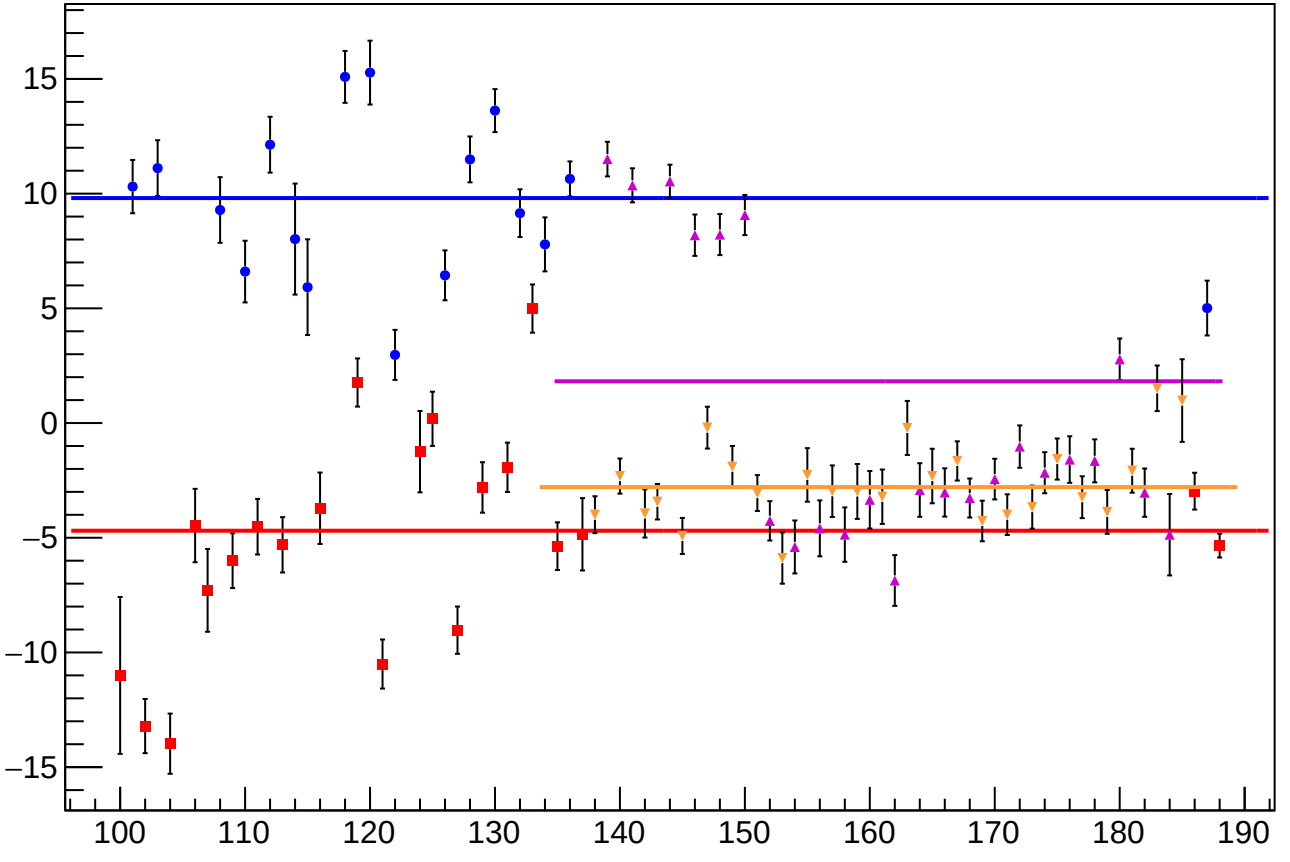
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 4063.244+/-0.561 χ^2/NDF: 1033238.0/41

All: 4024.172+/-0.392 χ^2/NDF: 2239059.1/85

- sign 3986.985+/-0.547 χ^2/NDF: 1196349.4/43

diff_bpm2i01X_mean vs Slug



Right In: 9.807+/-0.280 χ^2/NDF: 141.0/16

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -4.693+/-0.239 χ^2/NDF: 316.4/20

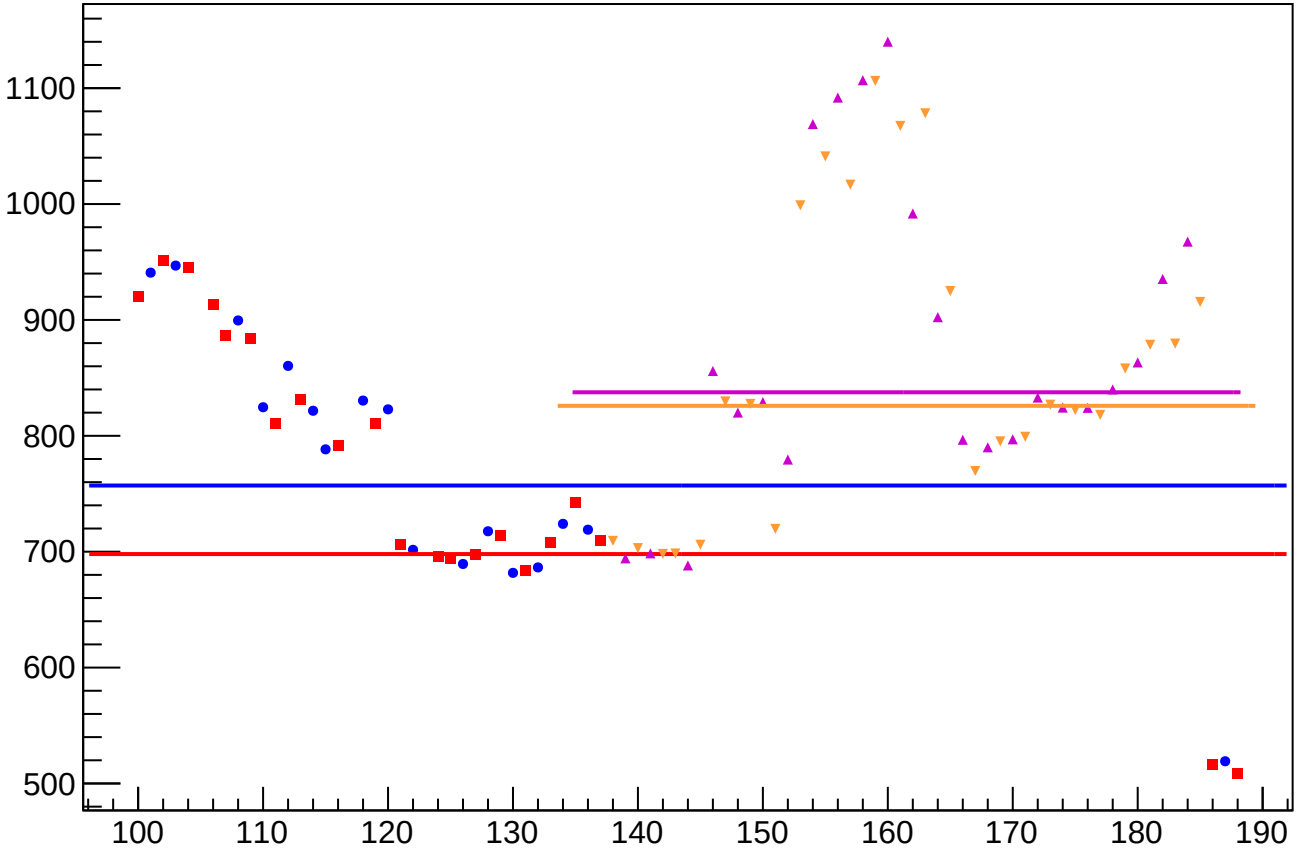
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.176+/-0.157 χ^2/NDF: 1593.3/41

All: 0.140+/-0.110 χ^2/NDF: 3460.1/85

- sign -0.834+/-0.153 χ^2/NDF: 1782.6/43

diff_bpm2i01X_rms vs Slug



Right In: 757.109+/-0.198 χ^2/NDF: 276870.1/16

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 697.961+/-0.169 χ^2/NDF: 723553.4/20

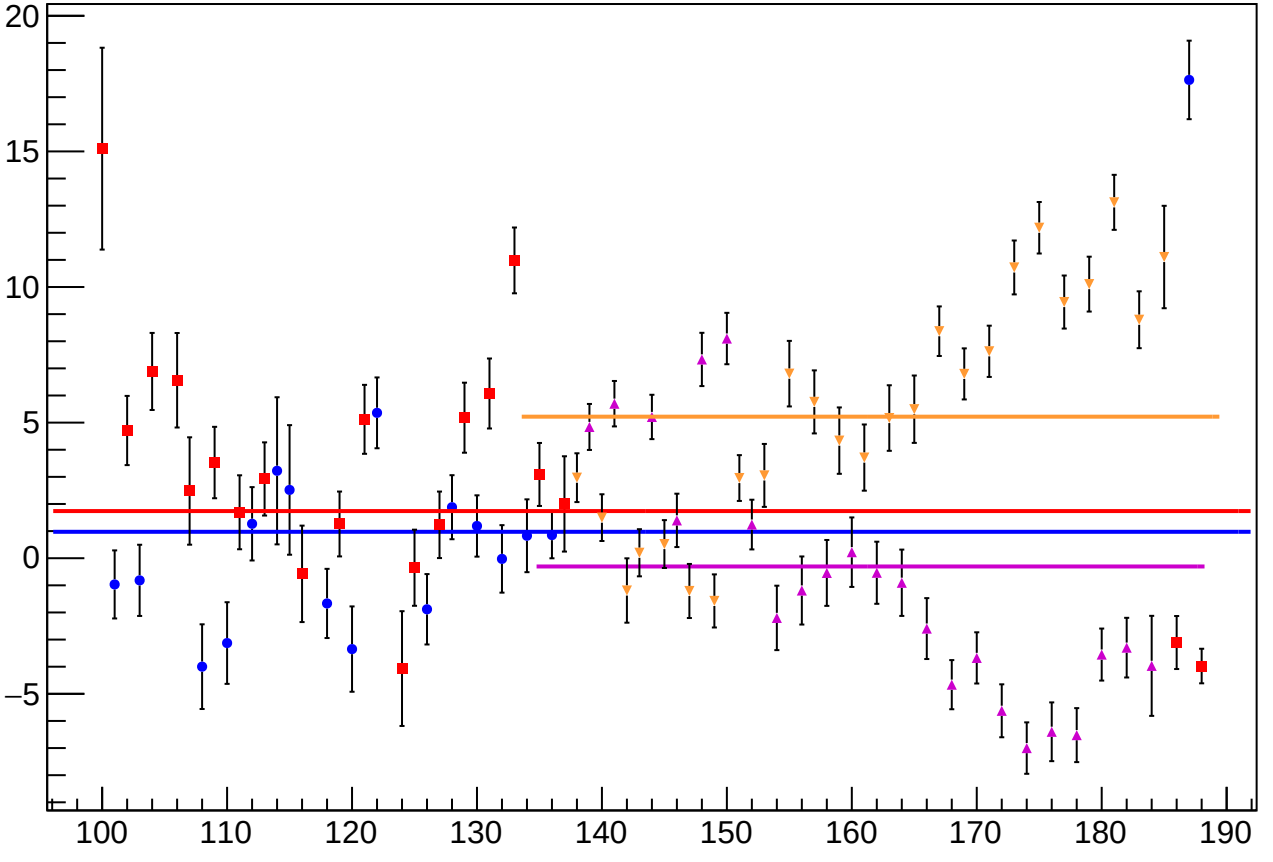
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

\+ sign 804.223+/-0.111 χ^2/NDF: 1124387.9/41

All: 792.089+/-0.077 χ^2/NDF: 2989663.1/85

\- sign 780.681+/-0.108 χ^2/NDF: 1842190.6/43

diff_bpm2i01Y_mean vs Slug



Right In: 0.974+/-0.322 χ^2/NDF: 184.7/16

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 1.739+/-0.278 χ^2/NDF: 243.5/20

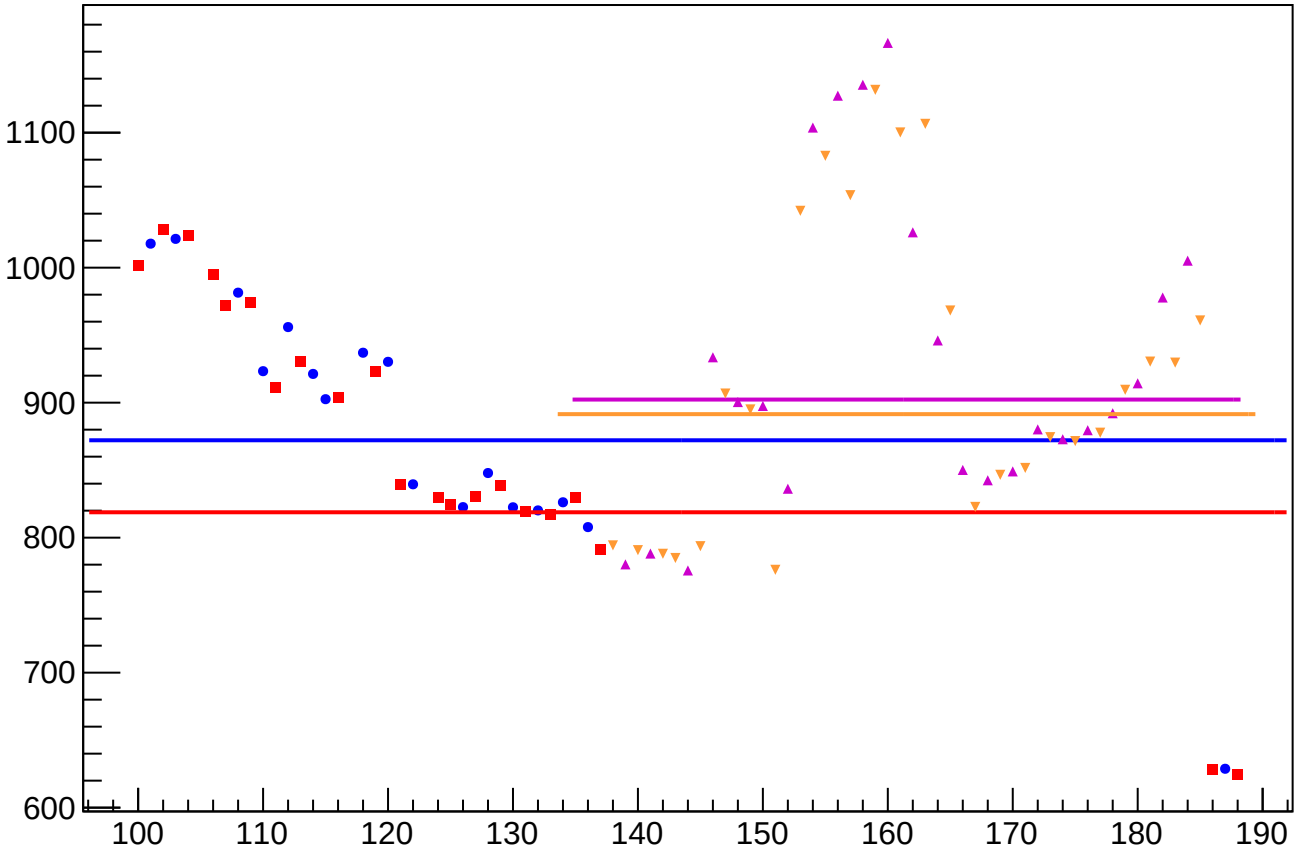
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

\+ sign 3.998+/-0.172 χ^2/NDF: 758.7/41

All: 2.187+/-0.121 χ^2/NDF: 1747.6/85

\- sign 0.449+/-0.169 χ^2/NDF: 772.8/43

diff_bpm2i01Y_rms vs Slug



Right In: 872.136+/-0.227 χ^2/NDF: 163938.3/16

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 818.800+/-0.197 χ^2/NDF: 466838.4/20

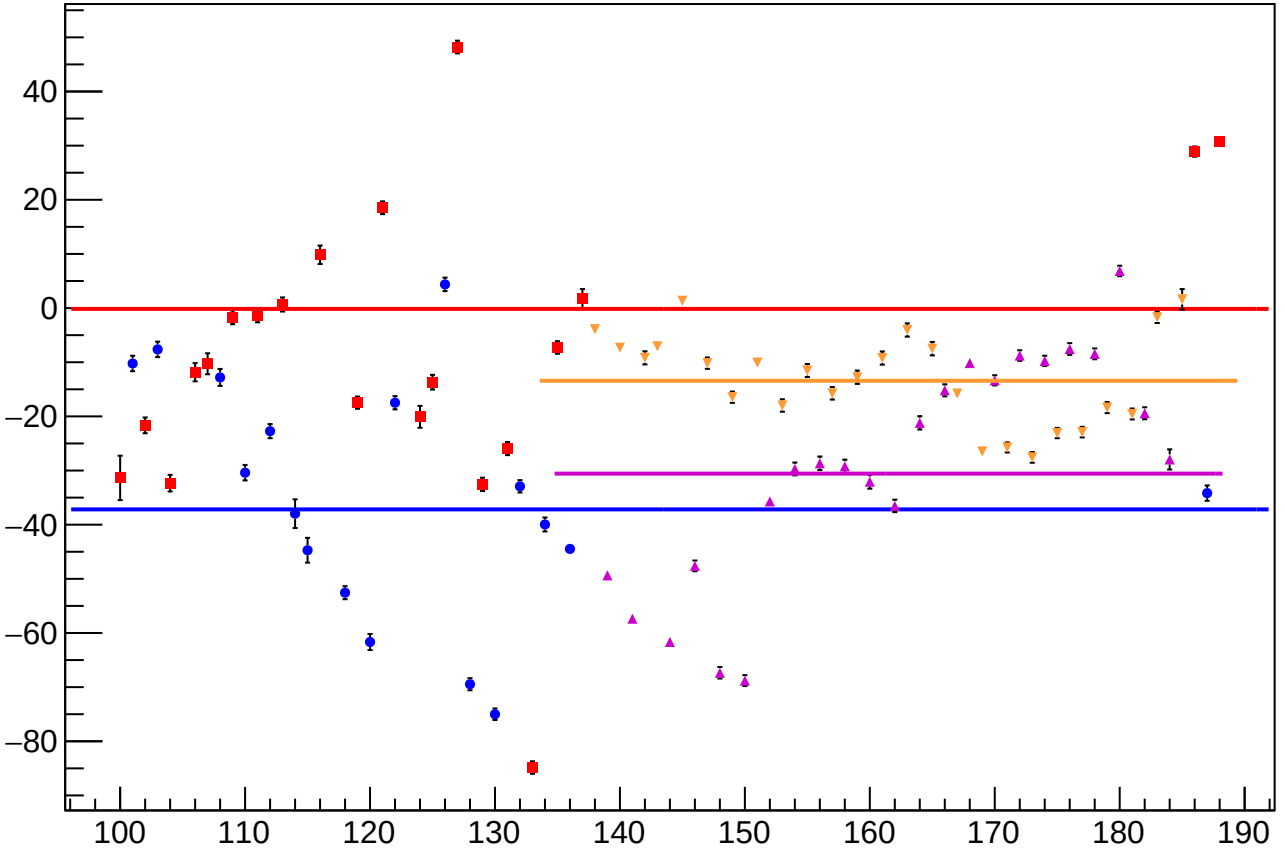
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 885.925+/-0.122 χ^2/NDF: 686889.4/41

All: 878.567+/-0.085 χ^2/NDF: 1759450.6/85

- sign 871.507+/-0.119 χ^2/NDF: 1065430.7/43

diff_bpm2i02X_mean vs Slug



Right In: -37.176+/-0.314 χ^2/NDF: 5189.4/16

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -0.152+/-0.271 χ^2/NDF: 13252.0/20

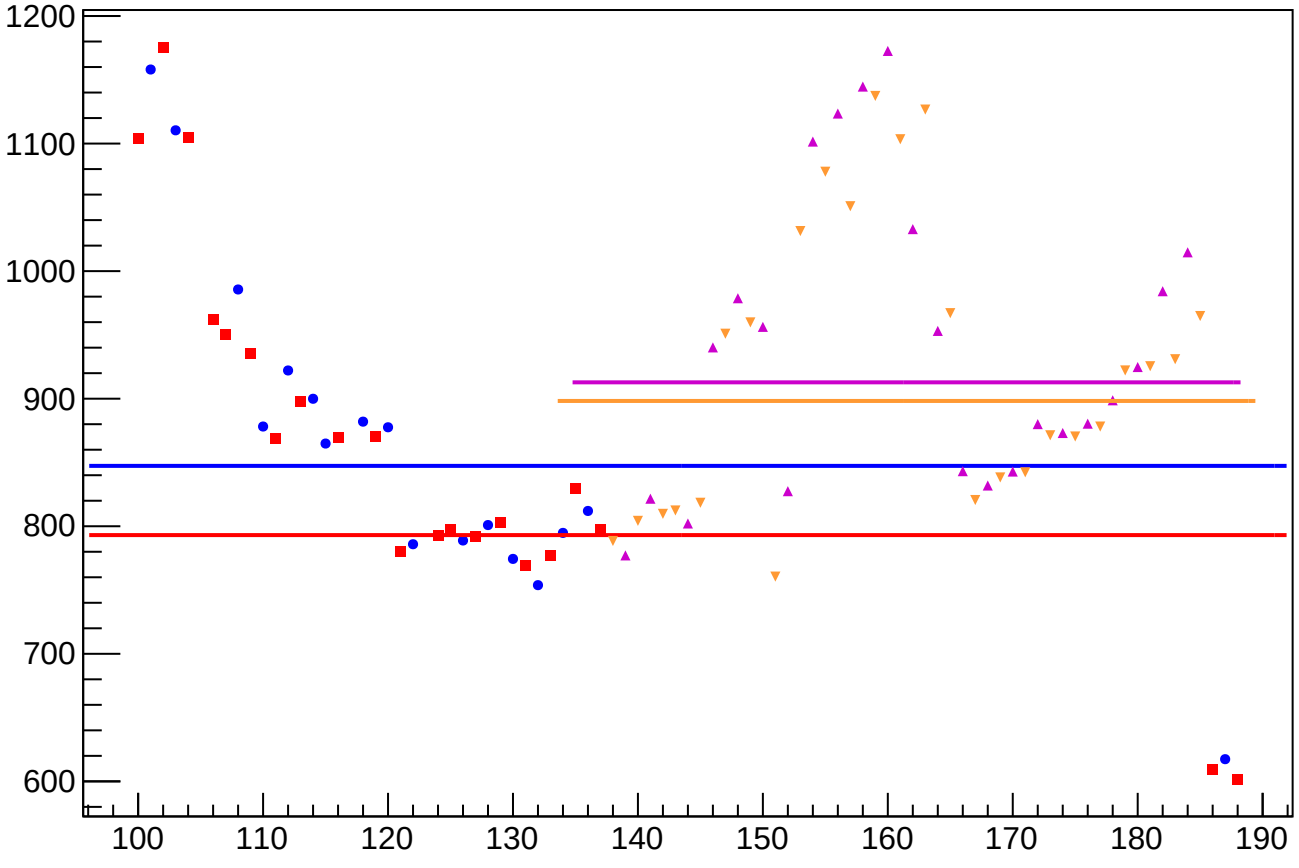
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

\+ sign -20.573+/-0.172 χ^2/NDF: 10858.5/41

All: -19.658+/-0.120 χ^2/NDF: 42297.7/85

\- sign -18.783+/-0.168 χ^2/NDF: 31383.9/43

diff_bpm2i02X_rms vs Slug



Right In: 847.334+/-0.222 χ^2/NDF: 283785.5/16

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 793.067+/-0.191 χ^2/NDF: 596923.7/20

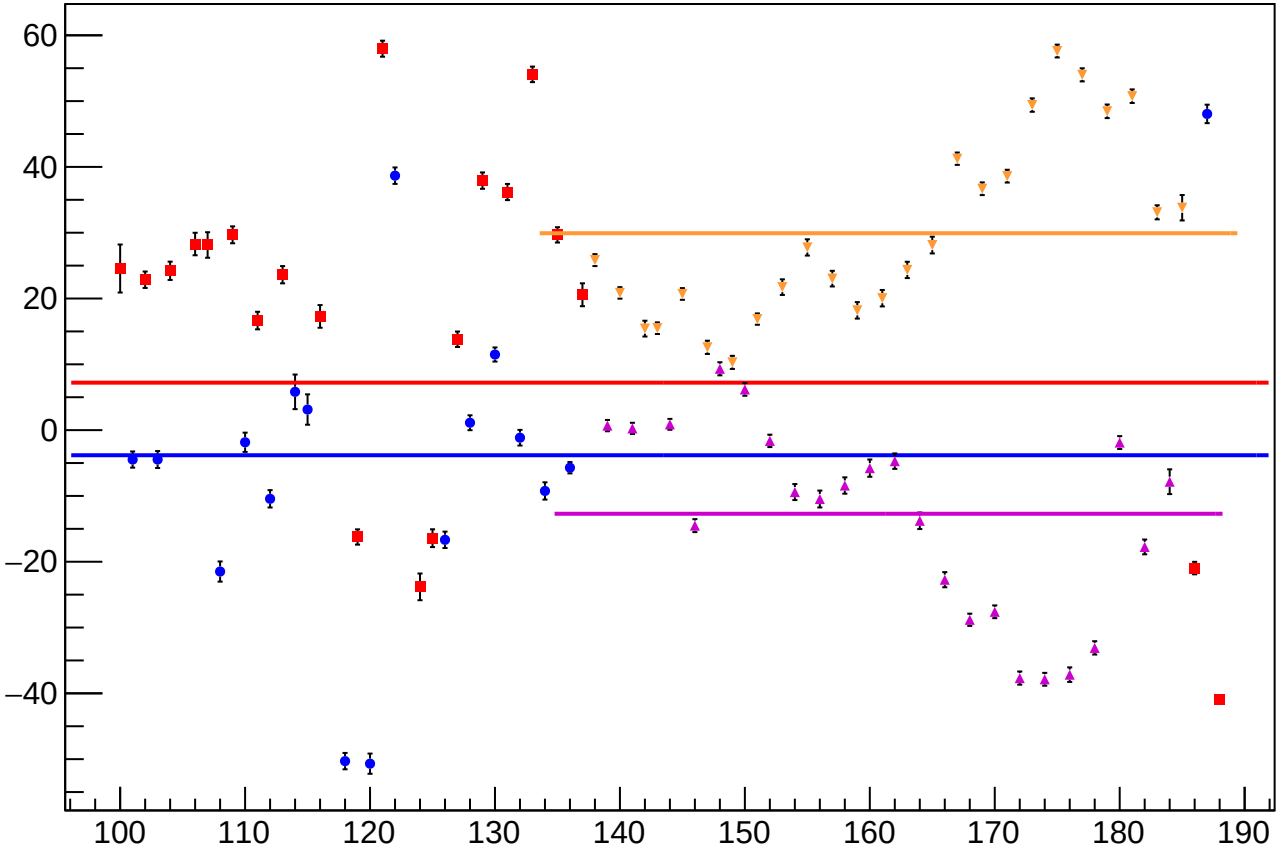
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 882.904+/-0.122 χ^2/NDF: 838927.2/41

All: 874.474+/-0.085 χ^2/NDF: 2165305.4/85

- sign 866.410+/-0.119 χ^2/NDF: 1316997.2/43

diff_bpm2i02Y_mean vs Slug



Right In: -3.816+/-0.313 χ^2/NDF: 5381.5/16

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 7.215+/-0.270 χ^2/NDF: 14072.1/20

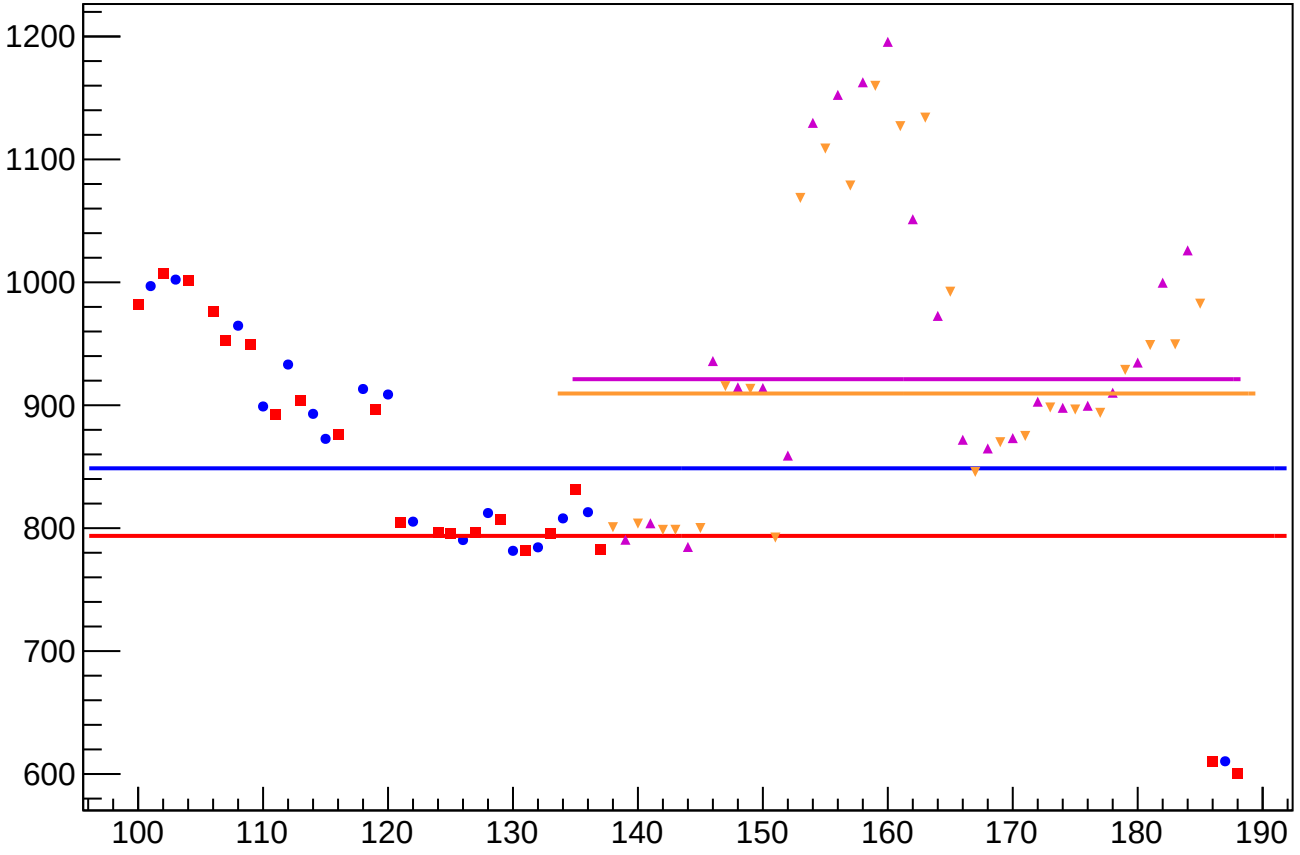
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

\+ sign 19.554+/-0.174 χ^2/NDF: 18004.0/41

All: 7.023+/-0.121 χ^2/NDF: 50337.2/85

\- sign -4.881+/-0.169 χ^2/NDF: 22171.1/43

diff_bpm2i02Y_rms vs Slug



Right In: 848.703+/-0.221 χ^2/NDF: 174150.6/16

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

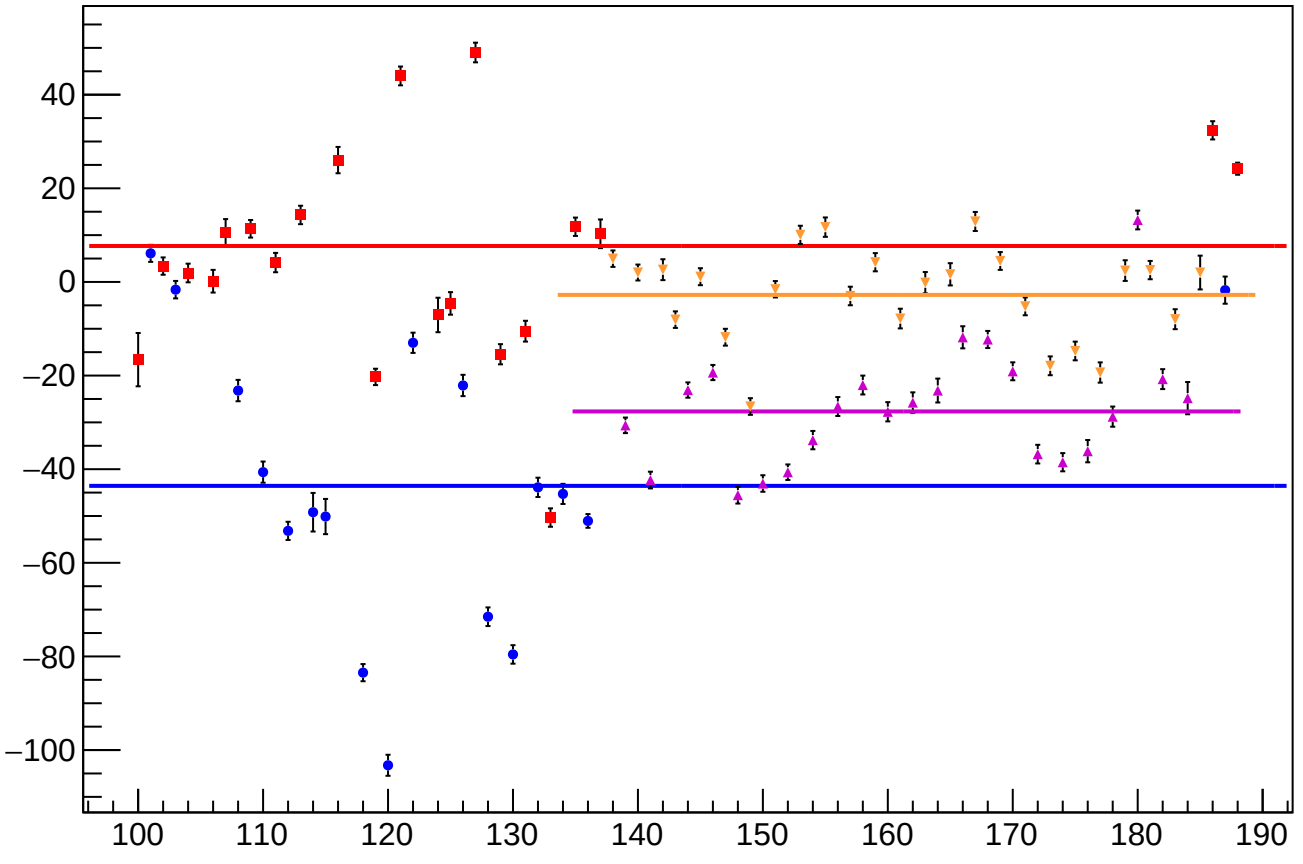
Right Out: 793.712+/-0.191 χ^2/NDF: 495566.6/20

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 890.851+/-0.123 χ^2/NDF: 768182.3/41

All: 880.728+/-0.086 χ^2/NDF: 2045234.9/85

- sign 871.111+/-0.120 χ^2/NDF: 1263787.8/43



Right In: -43.561+/-0.512 χ^2/NDF: 3592.1/16

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 7.683+/-0.460 χ^2/NDF: 2497.5/20

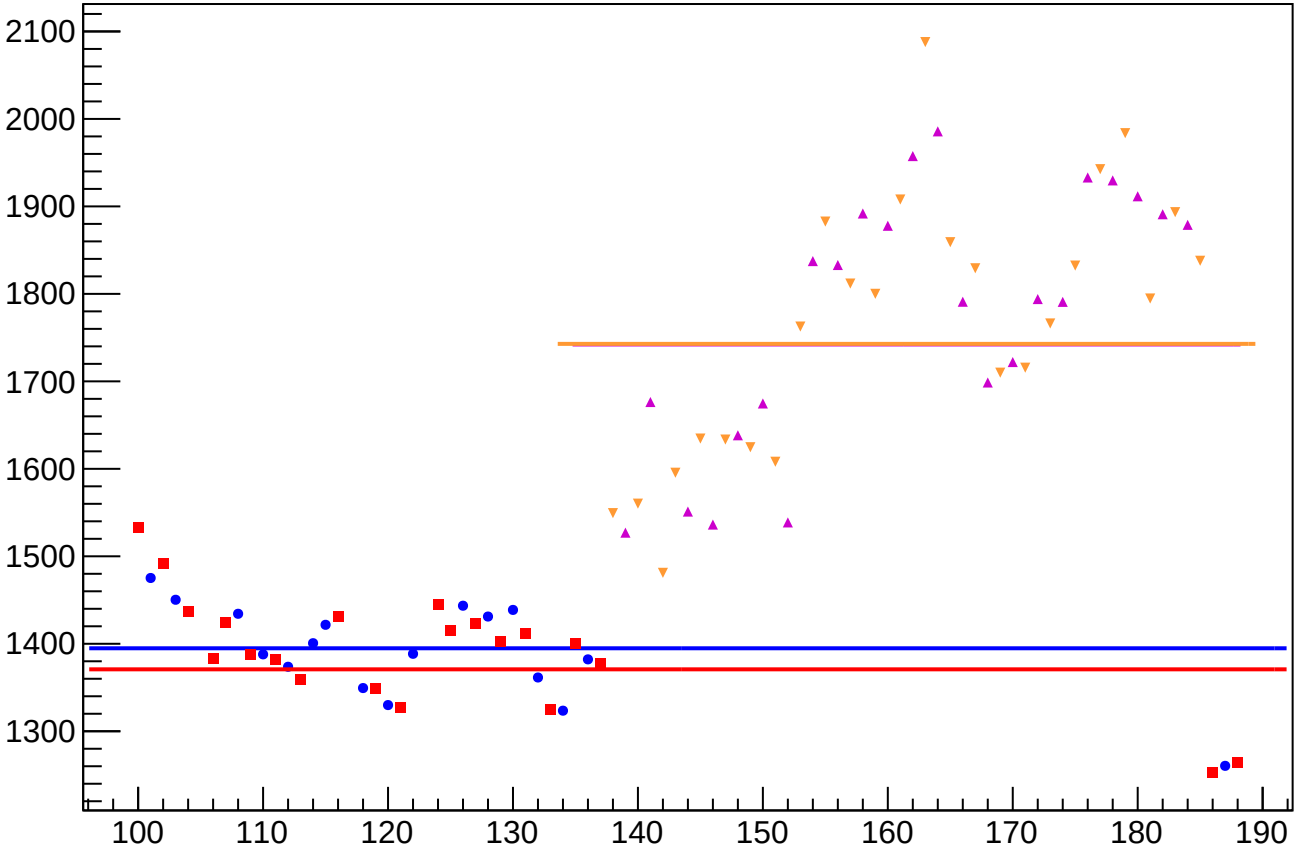
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -18.114+/-0.314 χ^2/NDF: 8172.2/41

All: -15.013+/-0.219 χ^2/NDF: 15148.3/85

\- sign -12.073+/-0.306 χ^2/NDF: 6785.9/43

diff_bpm0i02X_rms vs Slug



Right In: 1394.853+/-0.362 χ^2/NDF: 19277.1/16

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1370.786+/-0.325 χ^2/NDF: 42079.1/20

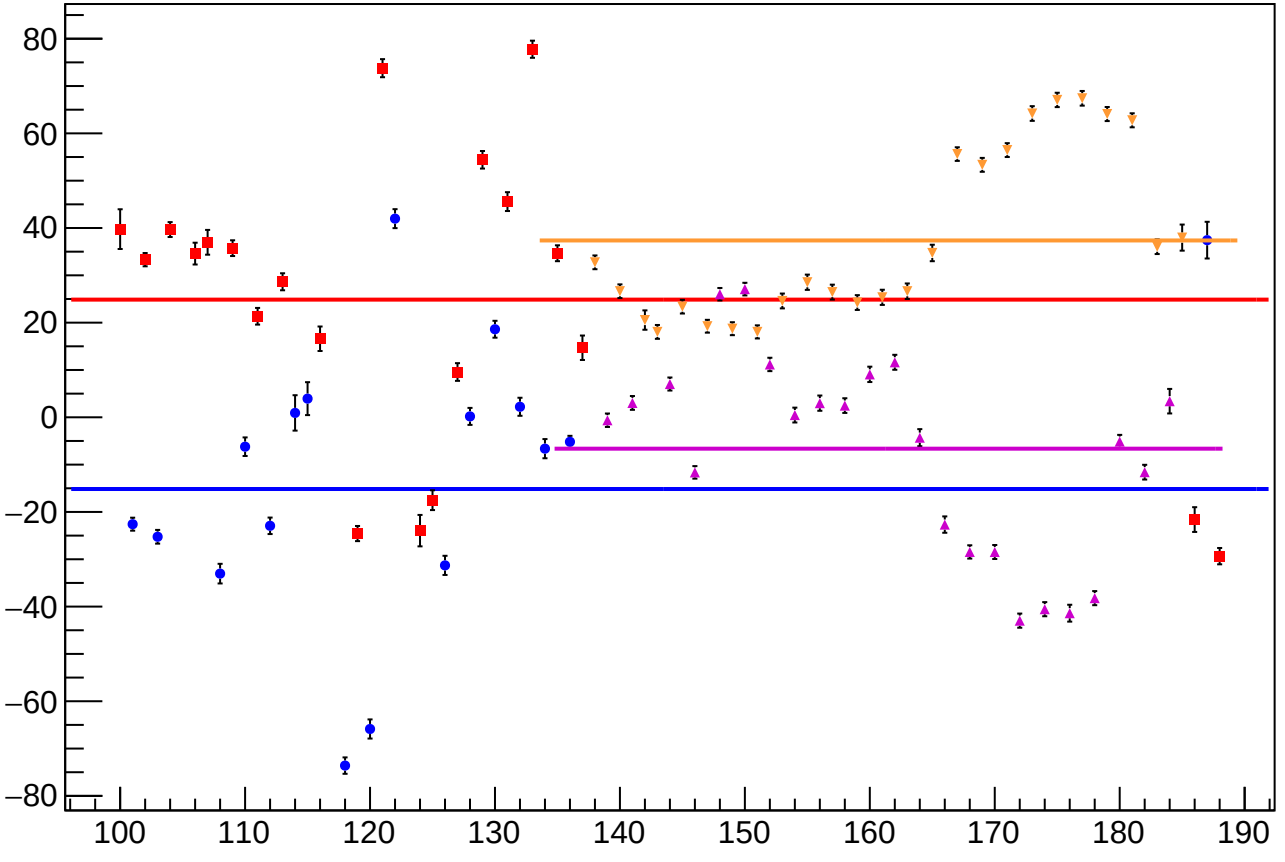
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1611.927+/-0.222 χ^2/NDF: 859303.7/41

All: 1594.692+/-0.155 χ^2/NDF: 1902977.8/85

- sign 1578.356+/-0.216 χ^2/NDF: 1031927.6/43

diff_bpm0i02Y_mean vs Slug



Right In: -15.153+/-0.452 χ^2/NDF: 3664.2/16

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 24.866+/-0.425 χ^2/NDF: 5106.6/20

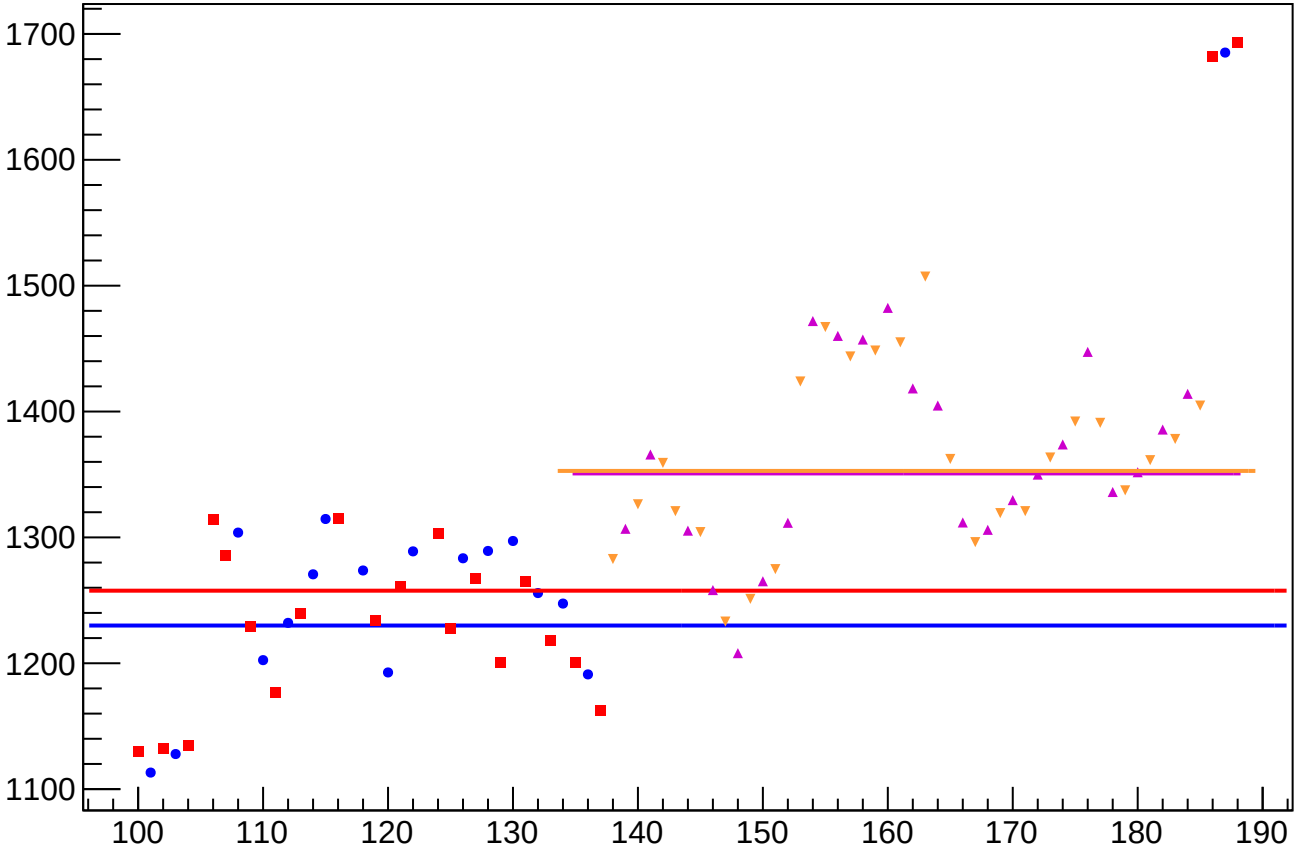
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 20.731+/-0.254 χ^2/NDF: 16279.6/41

All: 12.635+/-0.180 χ^2/NDF: 31354.0/85

- sign 4.599+/-0.254 χ^2/NDF: 13057.6/43

diff_bpm0i02Y_rms vs Slug



Right In: 1229.976+/-0.320 χ^2/NDF: 68824.6/16

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

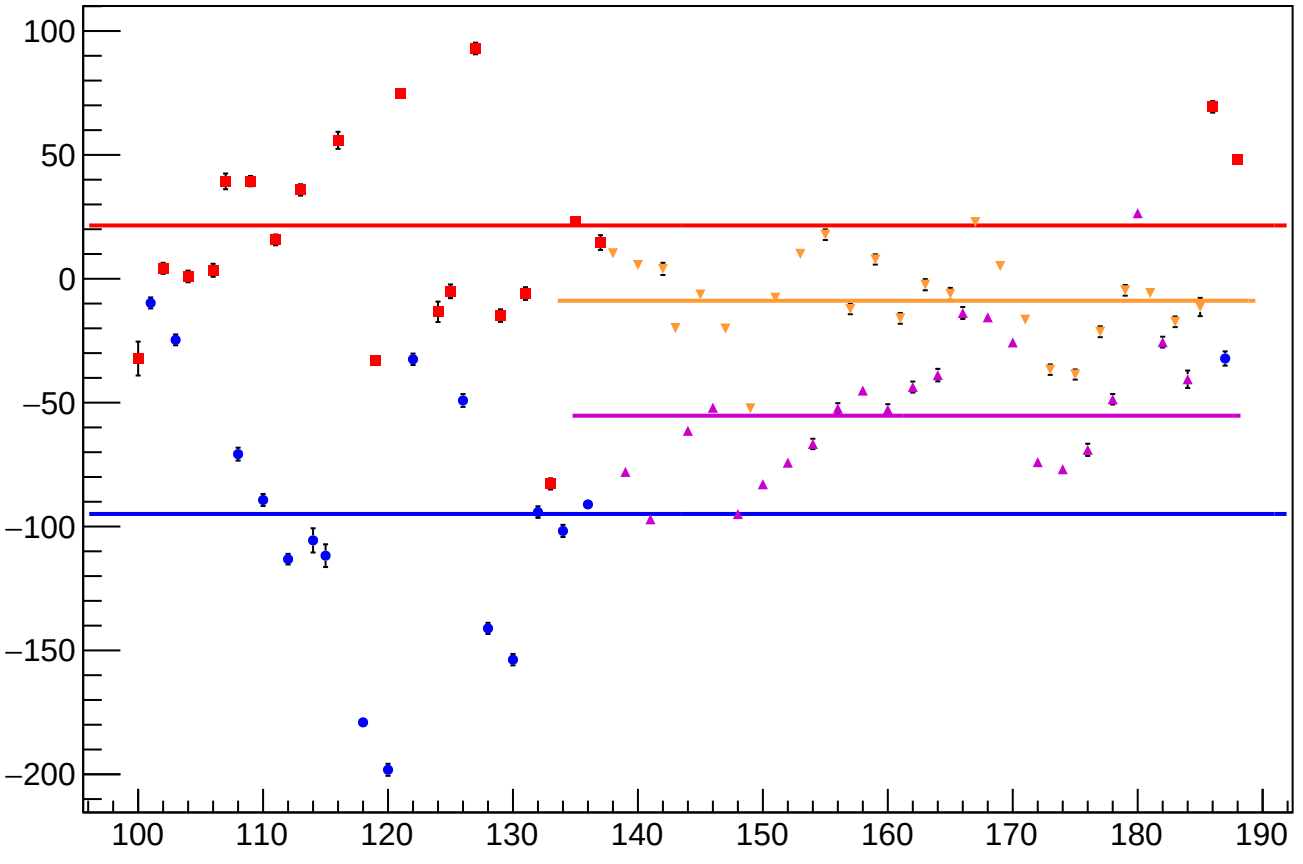
Right Out: 1257.668+/-0.300 χ^2/NDF: 226694.9/20

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1313.906+/-0.180 χ^2/NDF: 274541.2/41

All: 1315.767+/-0.127 χ^2/NDF: 672016.0/85

- sign 1317.614+/-0.179 χ^2/NDF: 397261.7/43



Right In: -94.923+/-0.568 χ^2/NDF: 8792.5/16

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 21.524+/-0.508 χ^2/NDF: 6367.6/20

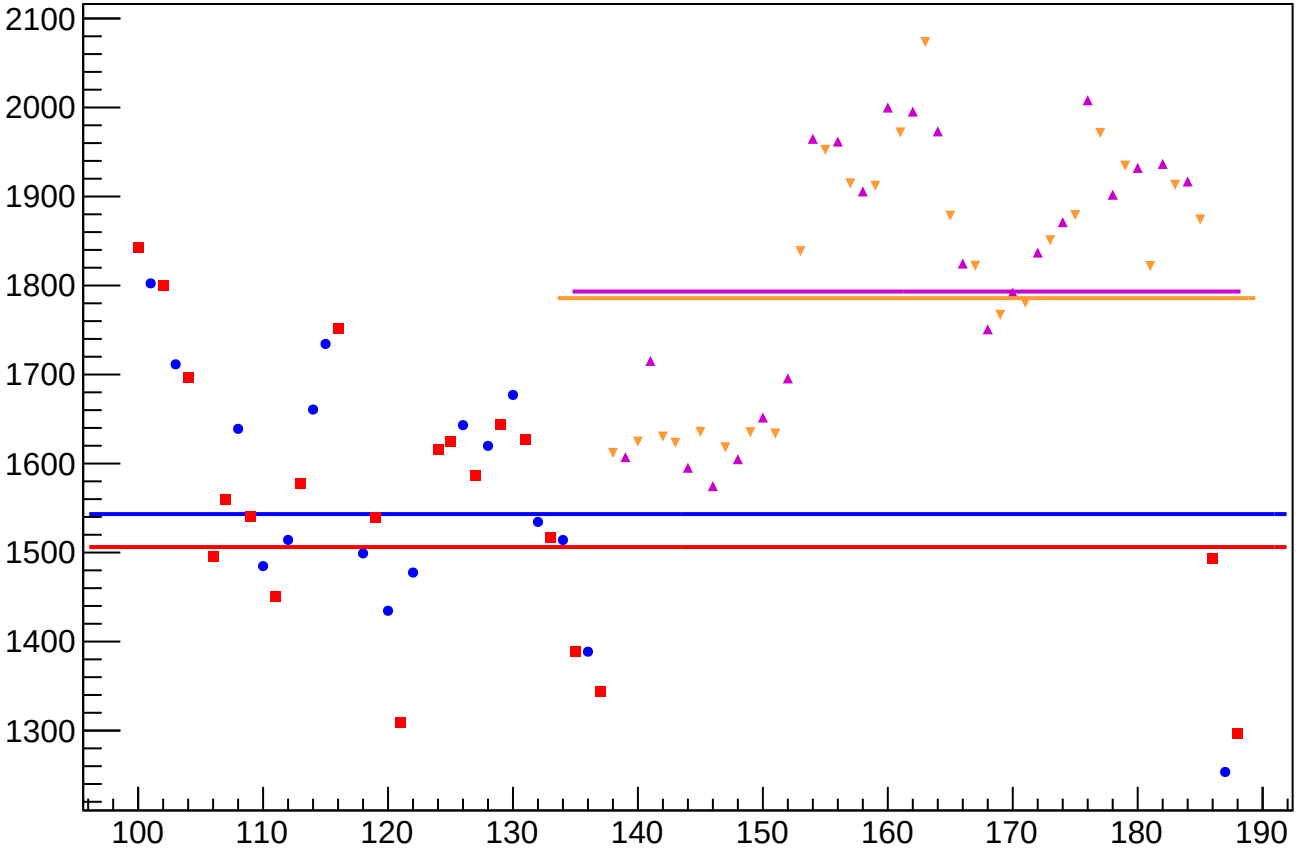
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -38.069+/-0.331 χ^2/NDF: 25908.4/41

All: -30.887+/-0.231 χ^2/NDF: 51508.5/85

- sign -24.012+/-0.324 χ^2/NDF: 24678.4/43

diff_bpm0i02aX_rms vs Slug



Right In: 1543.216+/-0.402 χ^2/NDF: 108915.7/16

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1506.188+/-0.359 χ^2/NDF: 168521.9/20

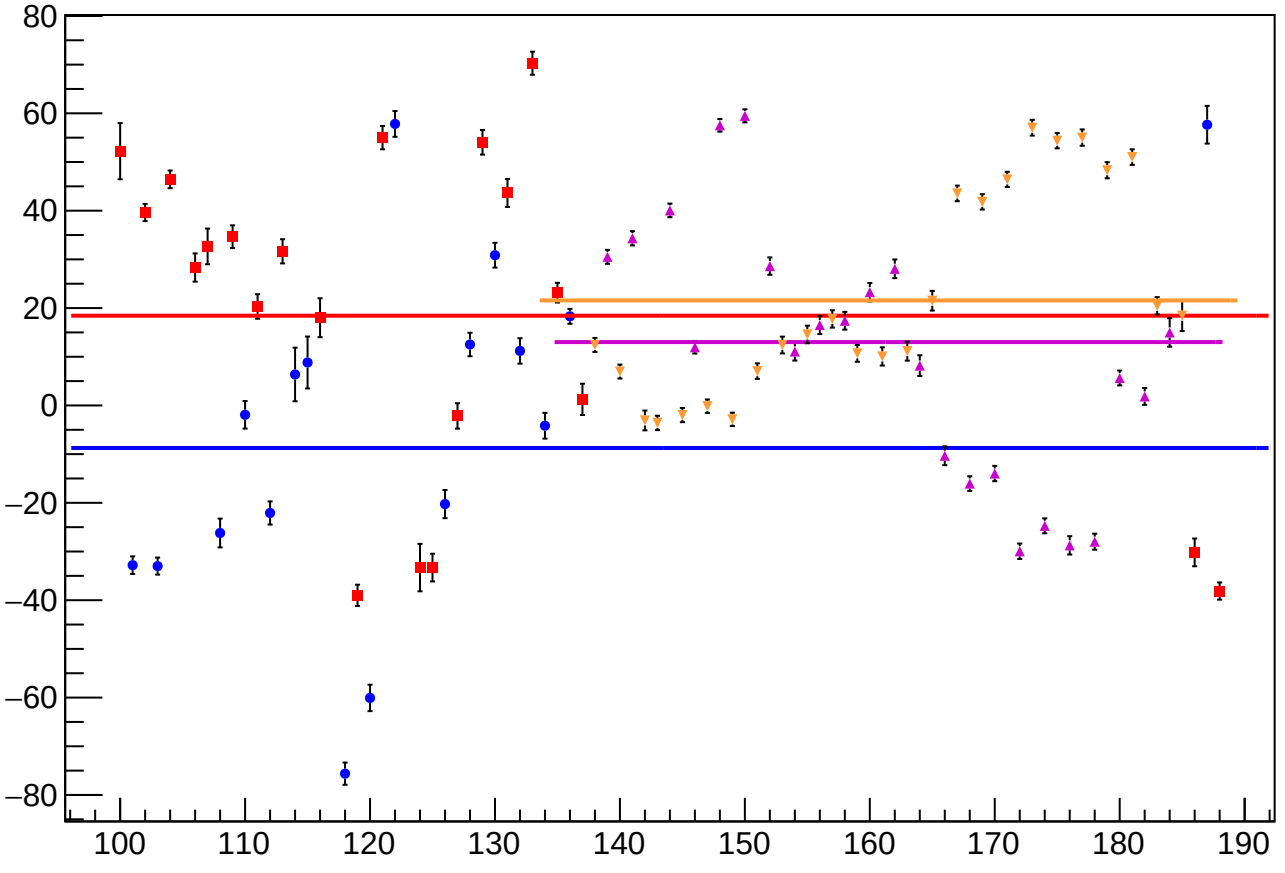
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1703.492+/-0.234 χ^2/NDF: 587156.0/41

All: 1689.657+/-0.164 χ^2/NDF: 1394704.3/85

- sign 1676.413+/-0.229 χ^2/NDF: 800706.8/43

diff_bpm0i02aY_mean vs Slug



Right In: -8.735+/-0.596 χ^2/NDF: 3307.9/16

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 18.431+/-0.546 χ^2/NDF: 4054.0/20

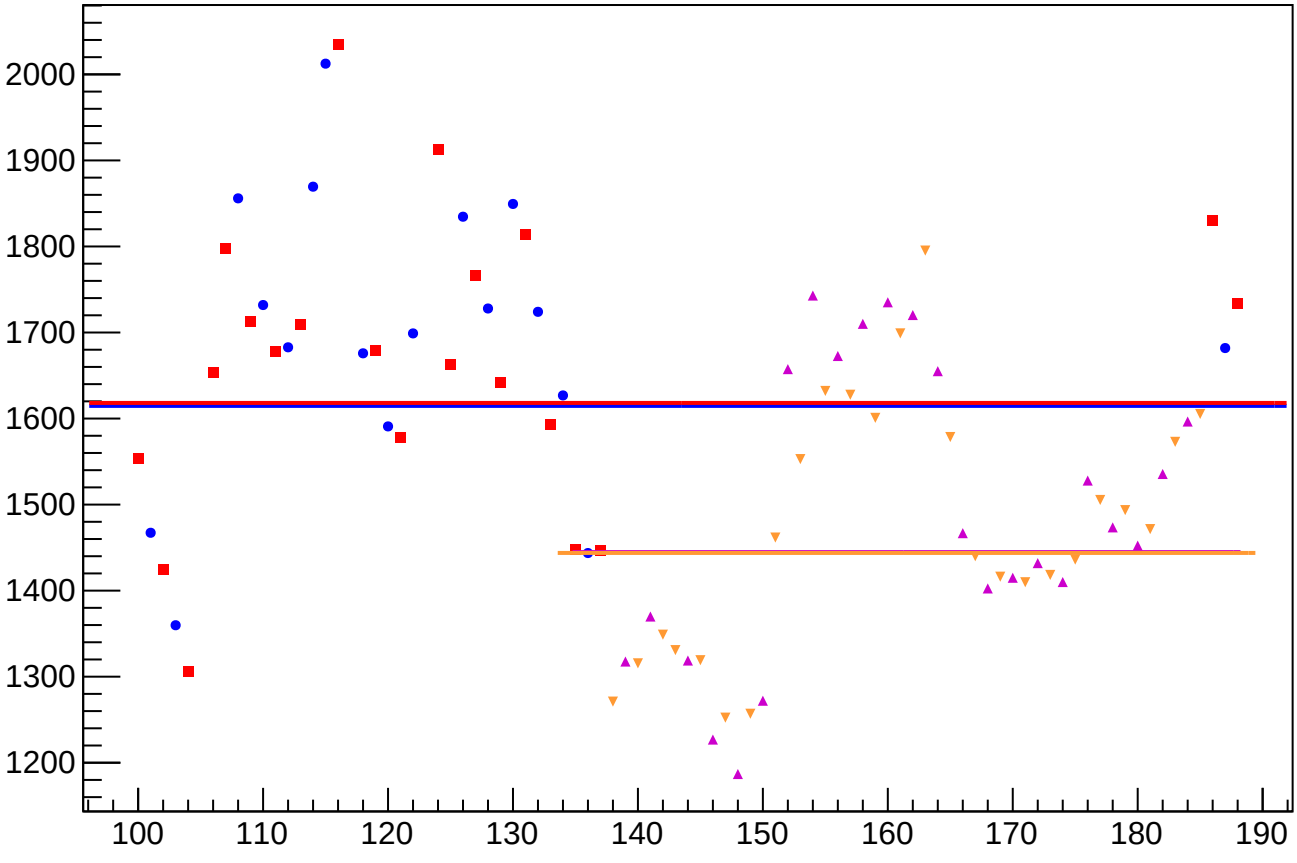
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 14.458+/-0.289 χ^2/NDF: 9447.5/41

All: 14.493+/-0.204 χ^2/NDF: 20199.7/85

- sign 14.527+/-0.289 χ^2/NDF: 10752.1/43

diff_bpm0i02aY_rms vs Slug



Right In: 1614.724+/-0.421 χ^2/NDF: 155327.5/16

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1618.152+/-0.386 χ^2/NDF: 183118.1/20

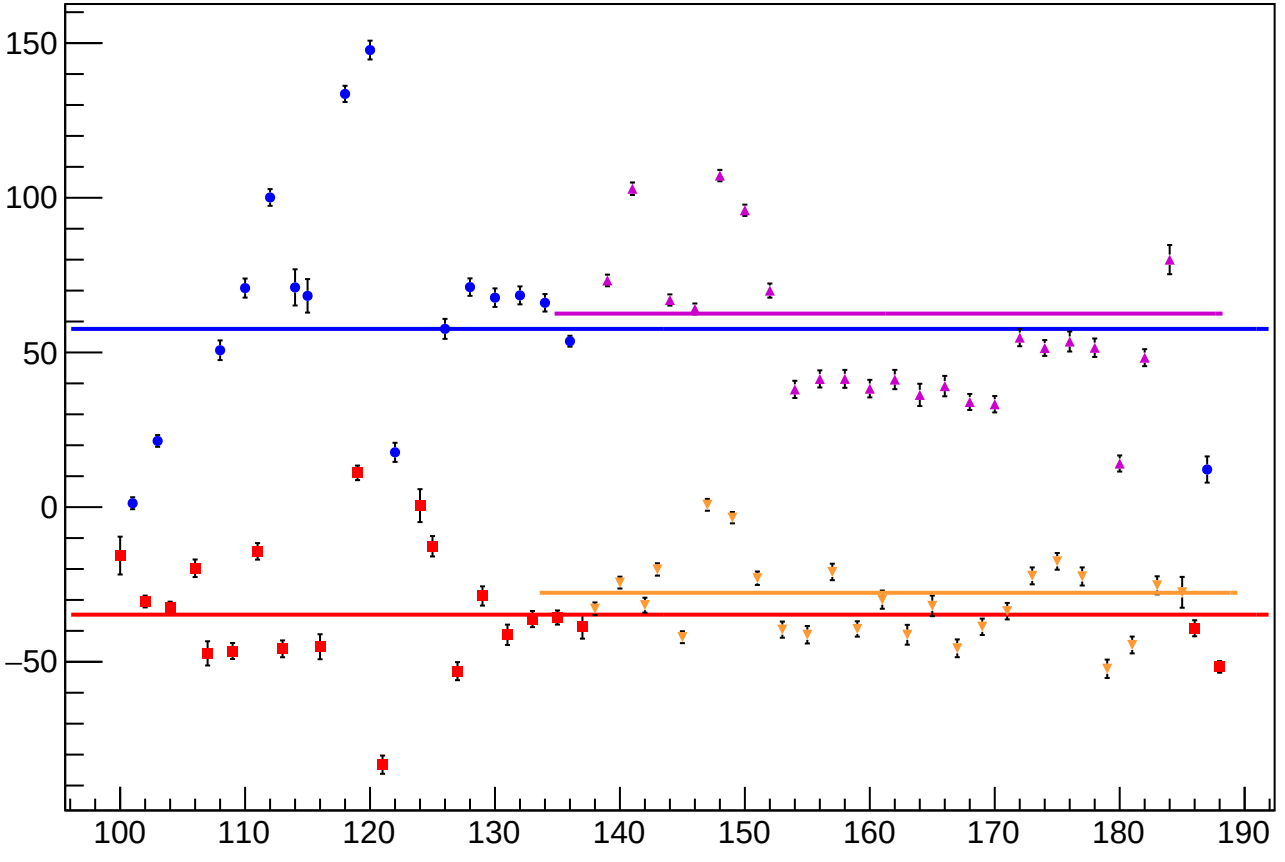
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1483.915+/-0.204 χ^2/NDF: 633611.7/41

All: 1488.571+/-0.144 χ^2/NDF: 1448152.4/85

- sign 1493.228+/-0.204 χ^2/NDF: 813499.8/43

diff_bpm0i05X_mean vs Slug



Right In: 57.615+/-0.664 χ^2/NDF: 3561.5/16

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -34.762+/-0.596 χ^2/NDF: 1027.4/20

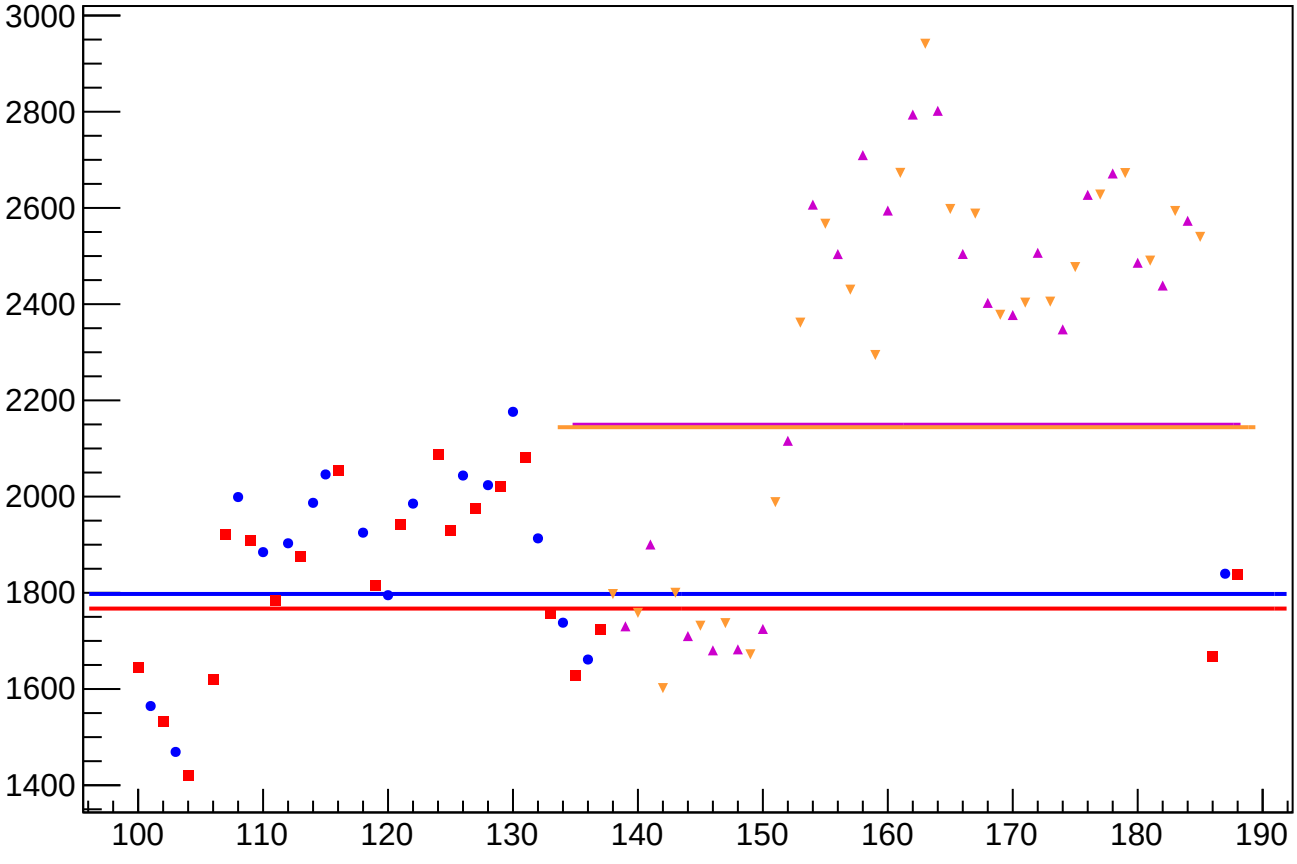
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

\+ sign 2.855+/-0.397 χ^2/NDF: 14918.7/41

All: 12.284+/-0.278 χ^2/NDF: 34840.3/85

\- sign 21.290+/-0.388 χ^2/NDF: 18820.9/43

diff_bpm0i05X_rms vs Slug



Right In: 1797.615+/-0.470 χ^2/NDF: 193374.1/16

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1767.228+/-0.422 χ^2/NDF: 195782.9/20

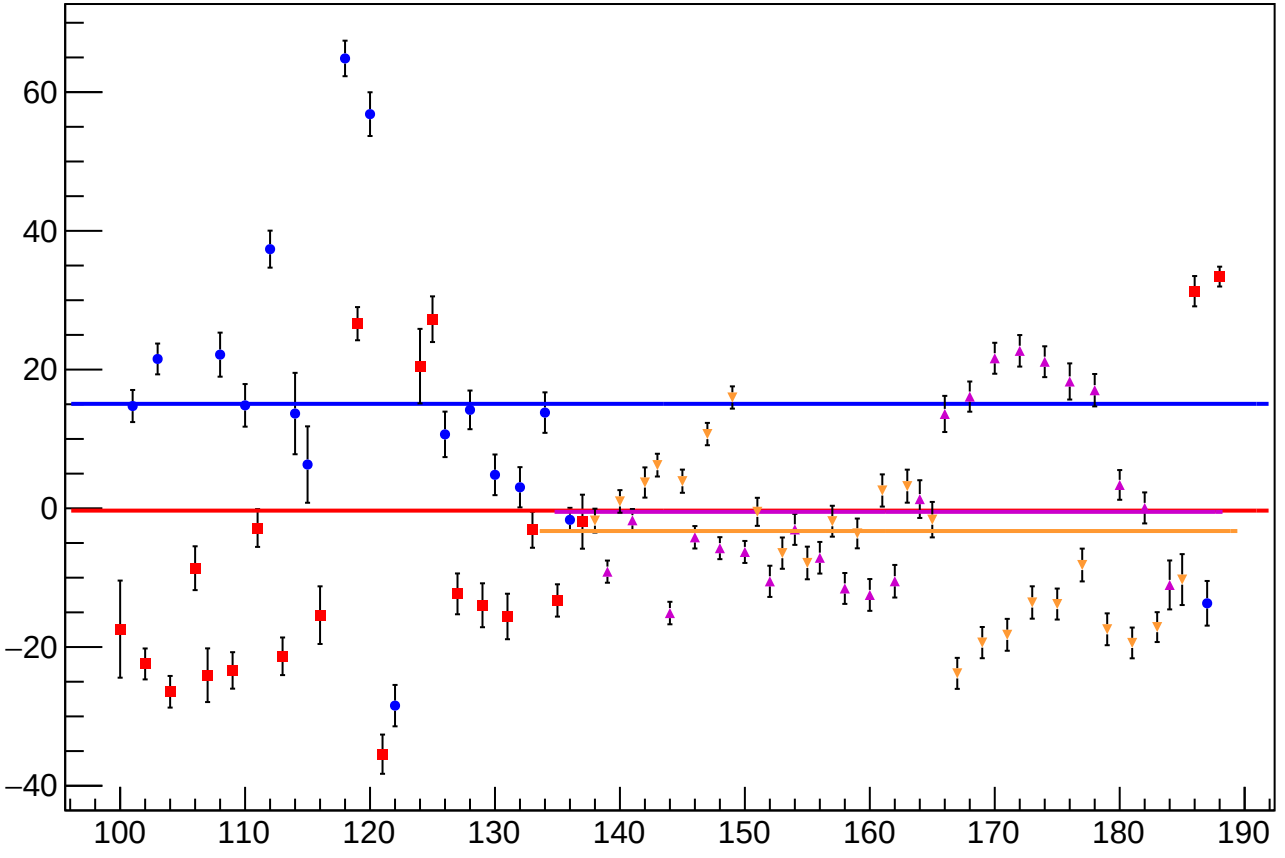
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 2020.106+/-0.281 χ^2/NDF: 1822907.2/41

All: 2003.335+/-0.196 χ^2/NDF: 3764239.4/85

- sign 1987.318+/-0.275 χ^2/NDF: 1934369.0/43

diff_bpm0i05Y_mean vs Slug



Right In: 15.061+/-0.679 χ^2/NDF: 1056.4/16

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -0.332+/-0.589 χ^2/NDF: 1651.5/20

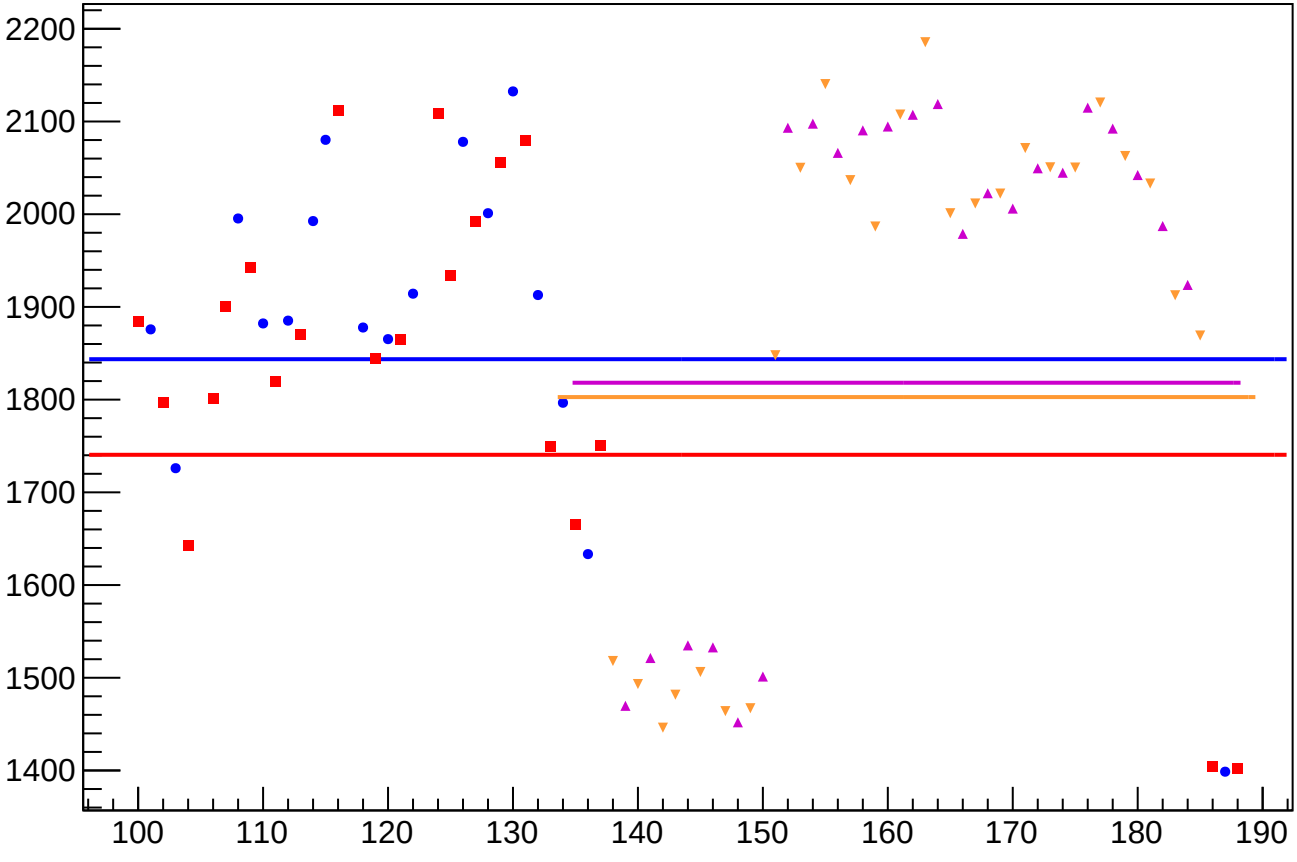
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.702+/-0.354 χ^2/NDF: 2258.3/41

All: 0.606+/-0.248 χ^2/NDF: 4674.5/85

- sign -0.448+/-0.347 χ^2/NDF: 2397.4/43

diff_bpm0i05Y_rms vs Slug



Right In: 1843.612+/-0.480 χ^2/NDF: 123269.9/16

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1740.498+/-0.416 χ^2/NDF: 284935.7/20

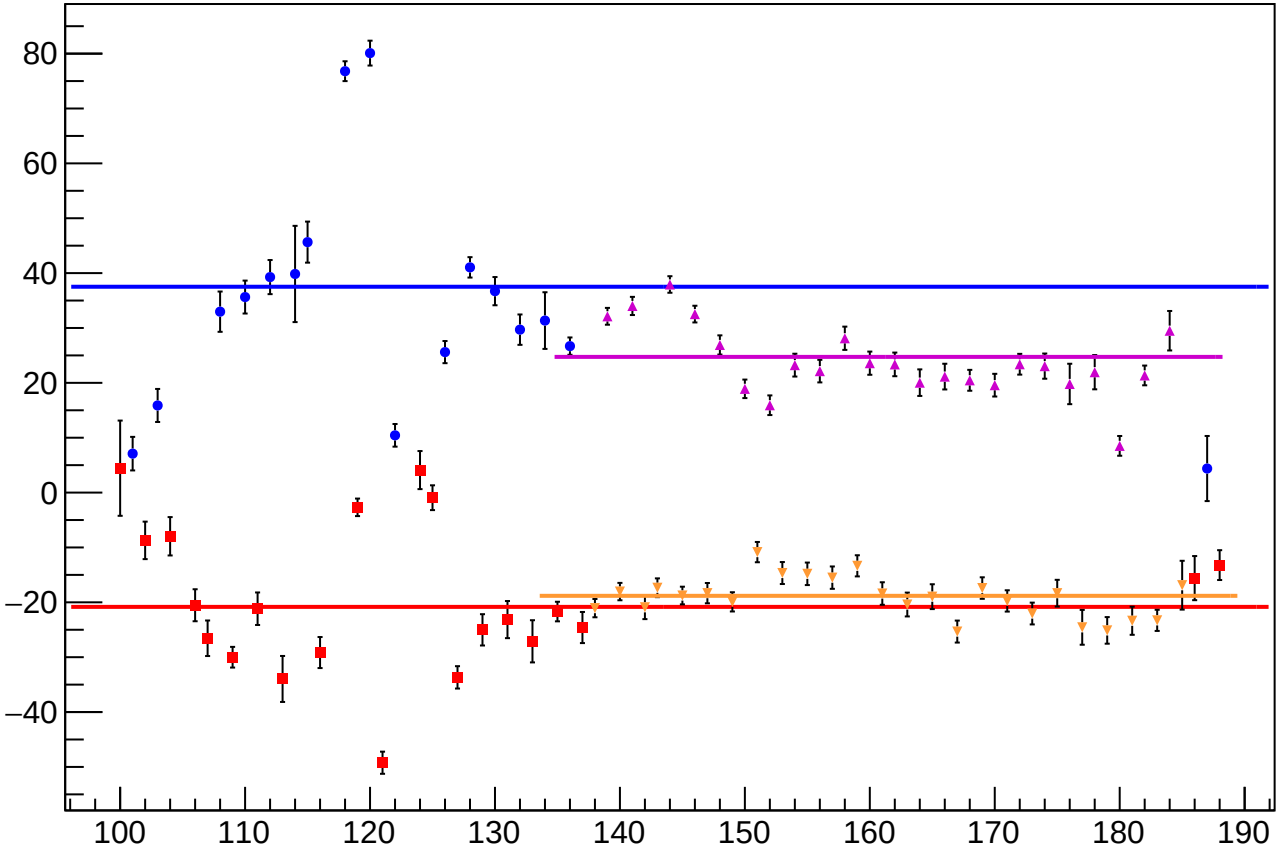
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1813.840+/-0.250 χ^2/NDF: 1025917.5/41

All: 1802.304+/-0.175 χ^2/NDF: 2178114.2/85

- sign 1791.206+/-0.245 χ^2/NDF: 1148027.9/43

diff_bpm0i07X_mean vs Slug



Right In: 37.516+/-0.619 χ^2/NDF: 1281.3/16

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -20.830+/-0.573 χ^2/NDF: 592.8/20

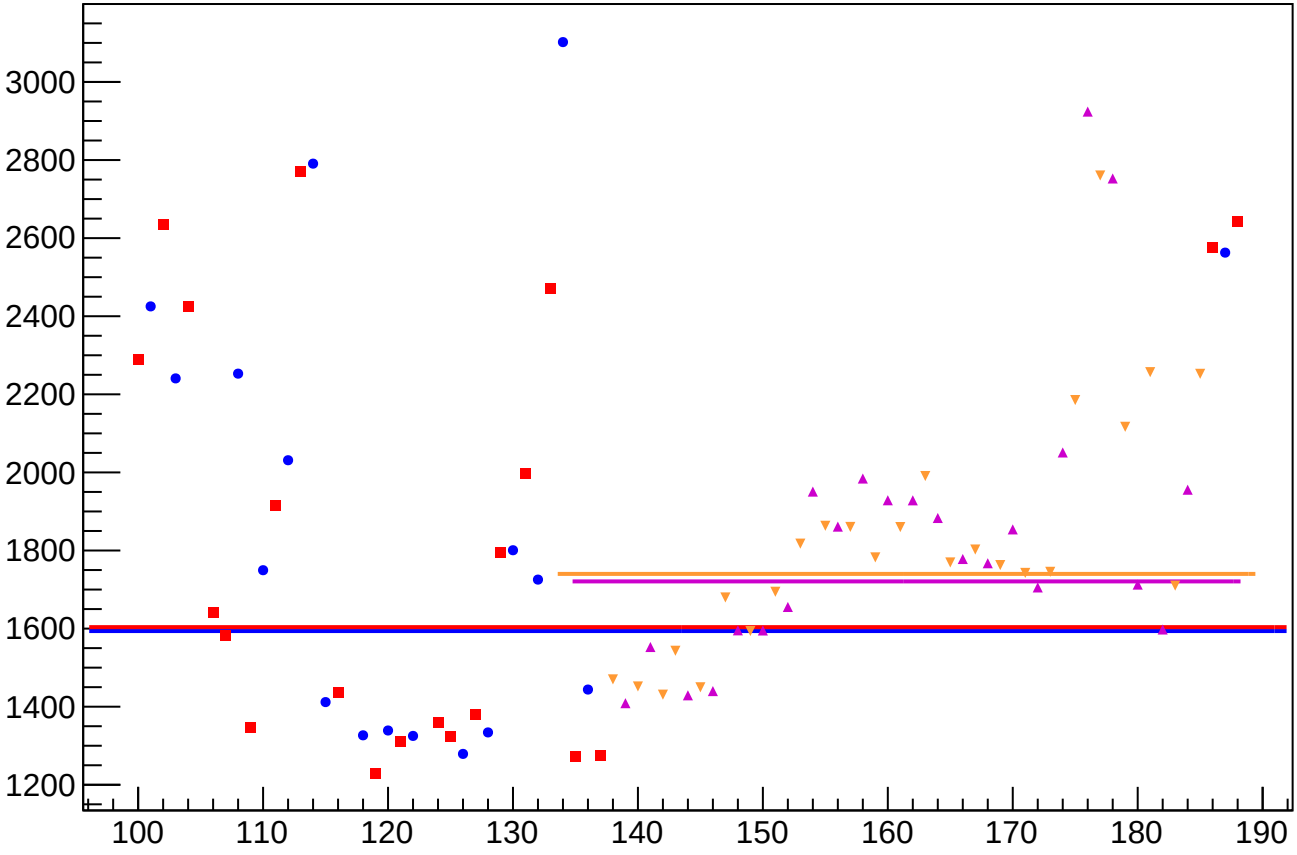
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

+ sign -2.108+/-0.337 χ^2/NDF: 7182.2/41

All: 3.708+/-0.237 χ^2/NDF: 12857.2/85

- sign 9.379+/-0.333 χ^2/NDF: 5087.0/43

diff_bpm0i07X_rms vs Slug



Right In: 1593.712+/-0.438 χ^2/NDF: 841617.3/16

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1603.749+/-0.405 χ^2/NDF: 1388202.7/20

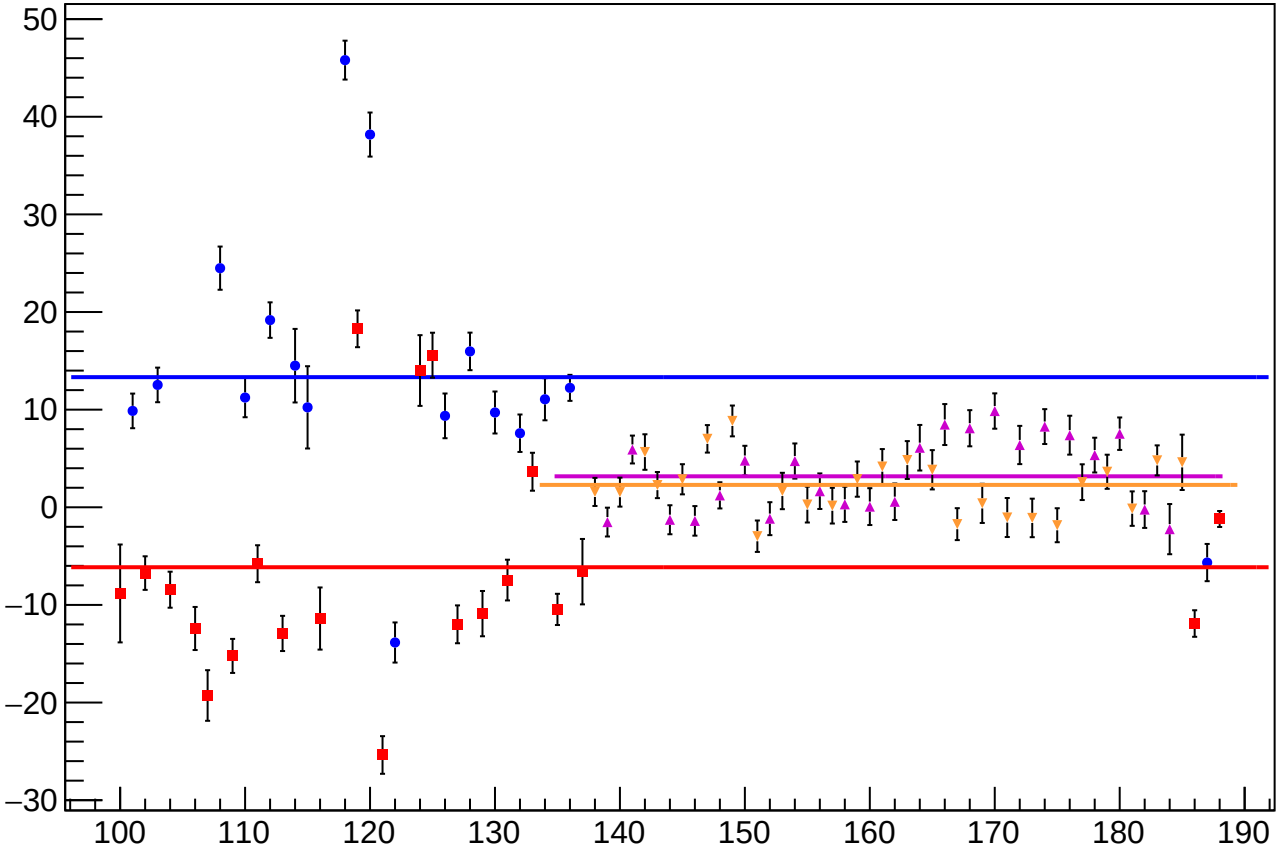
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1696.675+/-0.238 χ^2/NDF: 1673672.0/41

All: 1688.941+/-0.167 χ^2/NDF: 4003264.2/85

- sign 1681.400+/-0.235 χ^2/NDF: 2327512.9/43

diff_bpm0i07Y_mean vs Slug



Right In: 13.329+/-0.488 χ^2/NDF: 720.9/16

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -6.140+/-0.398 χ^2/NDF: 568.1/20

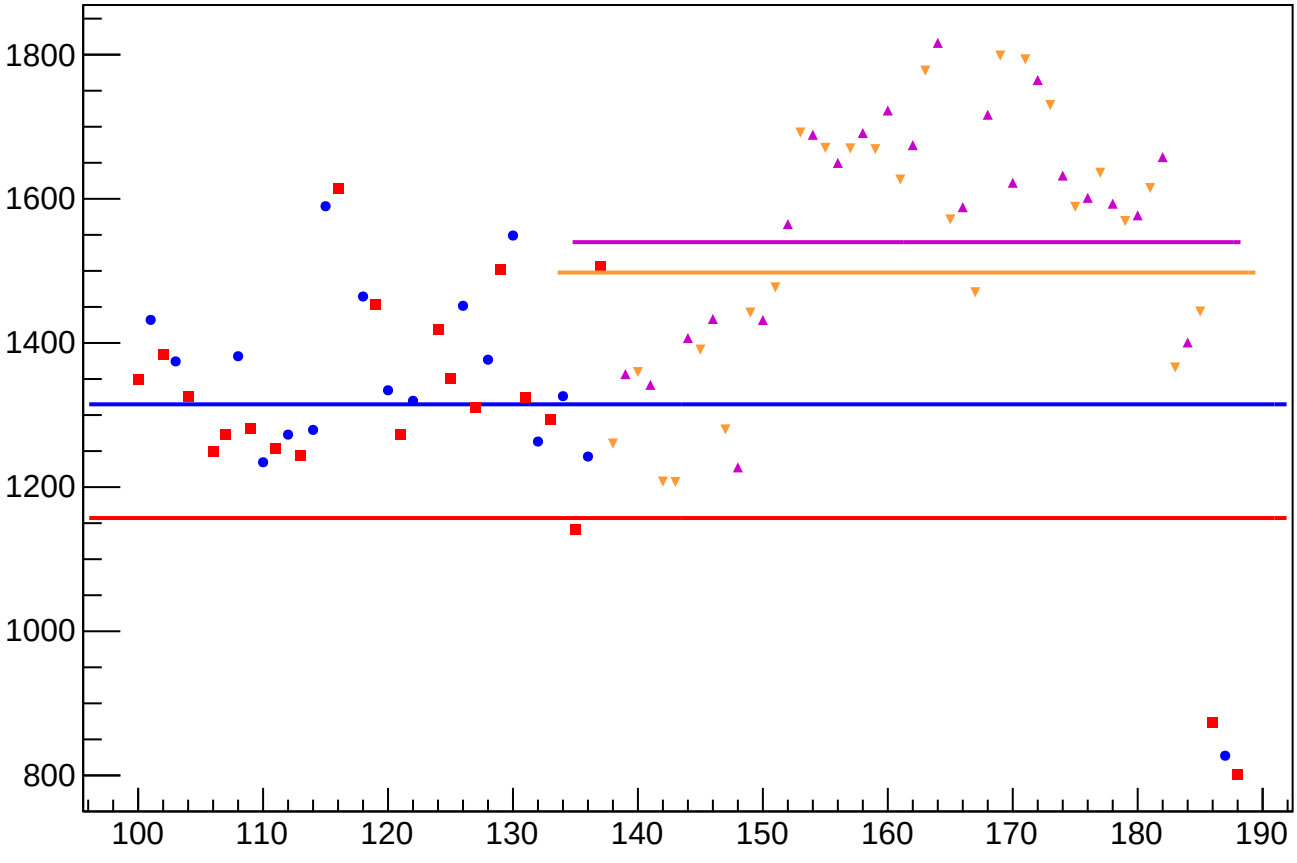
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 5.952+/-0.281 χ^2/NDF: 1136.6/41

All: 2.286+/-0.194 χ^2/NDF: 2440.0/85

- sign -1.051+/-0.268 χ^2/NDF: 977.9/43

diff_bpm0i07Y_rms vs Slug



Right In: 1314.891+/-0.345 χ^2/NDF: 208190.3/16

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1157.110+/-0.281 χ^2/NDF: 770819.6/20

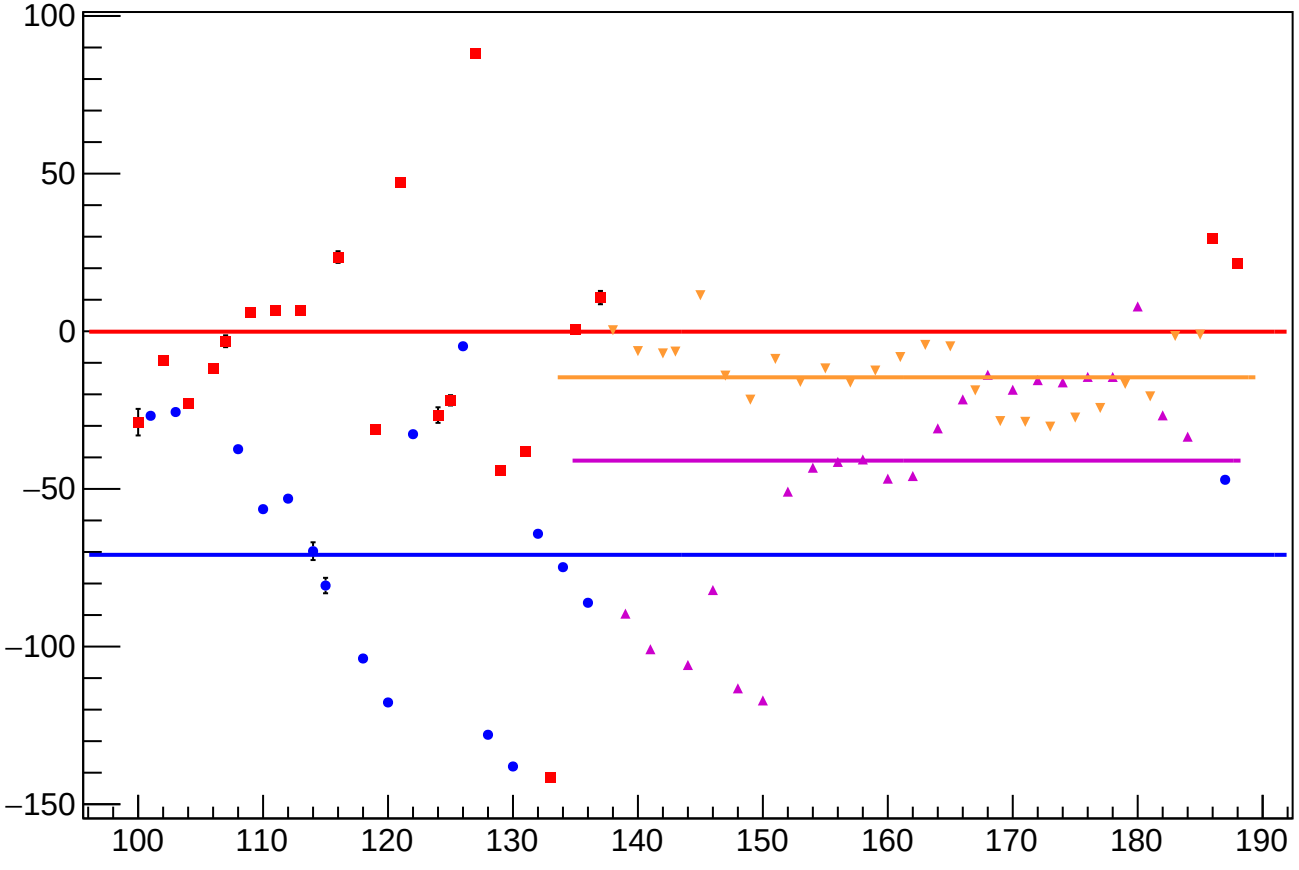
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1437.102+/-0.199 χ^2/NDF: 964676.1/41

All: 1400.035+/-0.137 χ^2/NDF: 3194046.5/85

- sign 1366.294+/-0.189 χ^2/NDF: 2162807.3/43

diff_bpm1i02X_mean vs Slug



Right In: -70.903+/-0.340 χ^2/NDF: 12443.0/16

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -0.128+/-0.289 χ^2/NDF: 21978.1/20

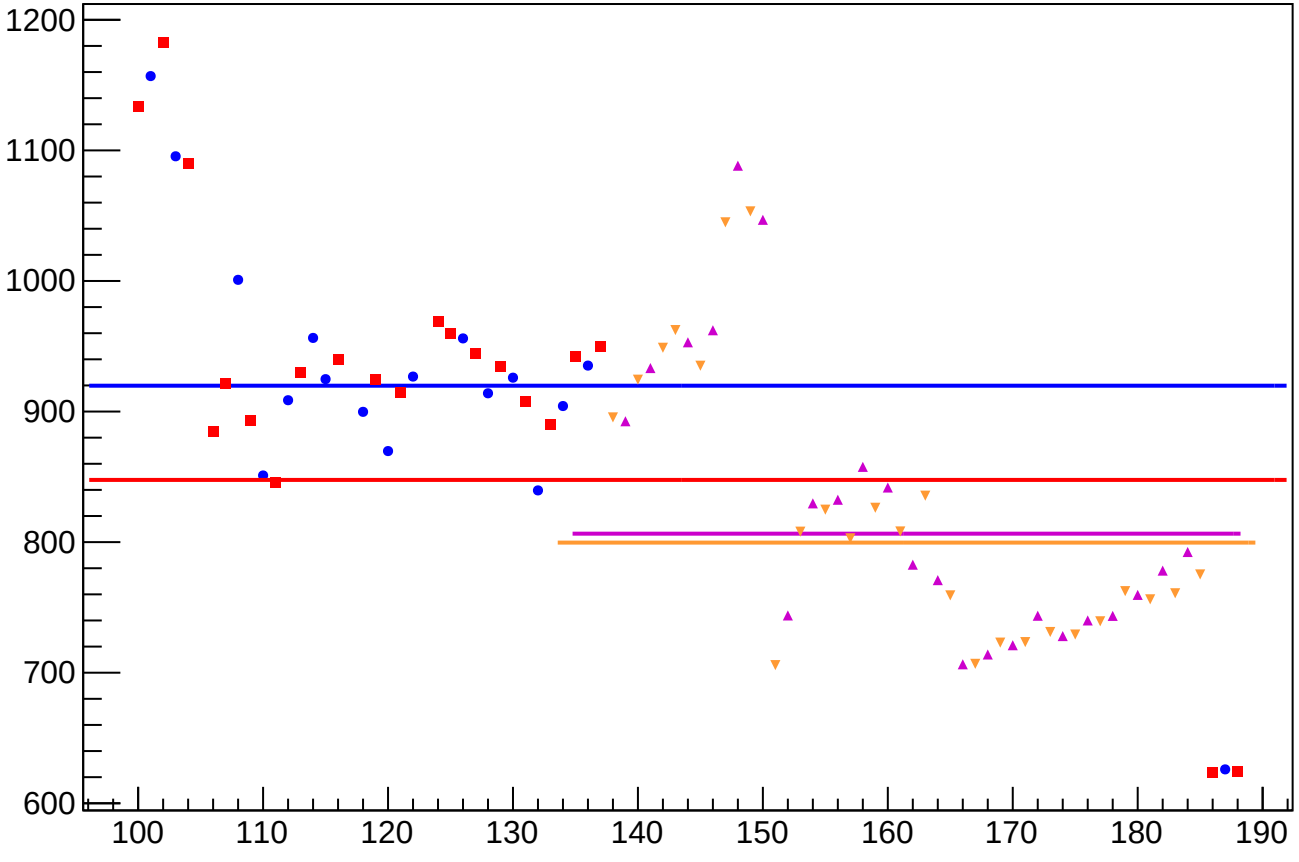
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -27.262+/-0.161 χ^2/NDF: 36908.5/41

All: -27.998+/-0.113 χ^2/NDF: 103969.9/85

- sign -28.712+/-0.159 χ^2/NDF: 67020.3/43

diff_bpm1i02X_rms vs Slug



Right In: 919.797+/-0.240 χ^2/NDF: 192816.0/16

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 847.641+/-0.204 χ^2/NDF: 601583.5/20

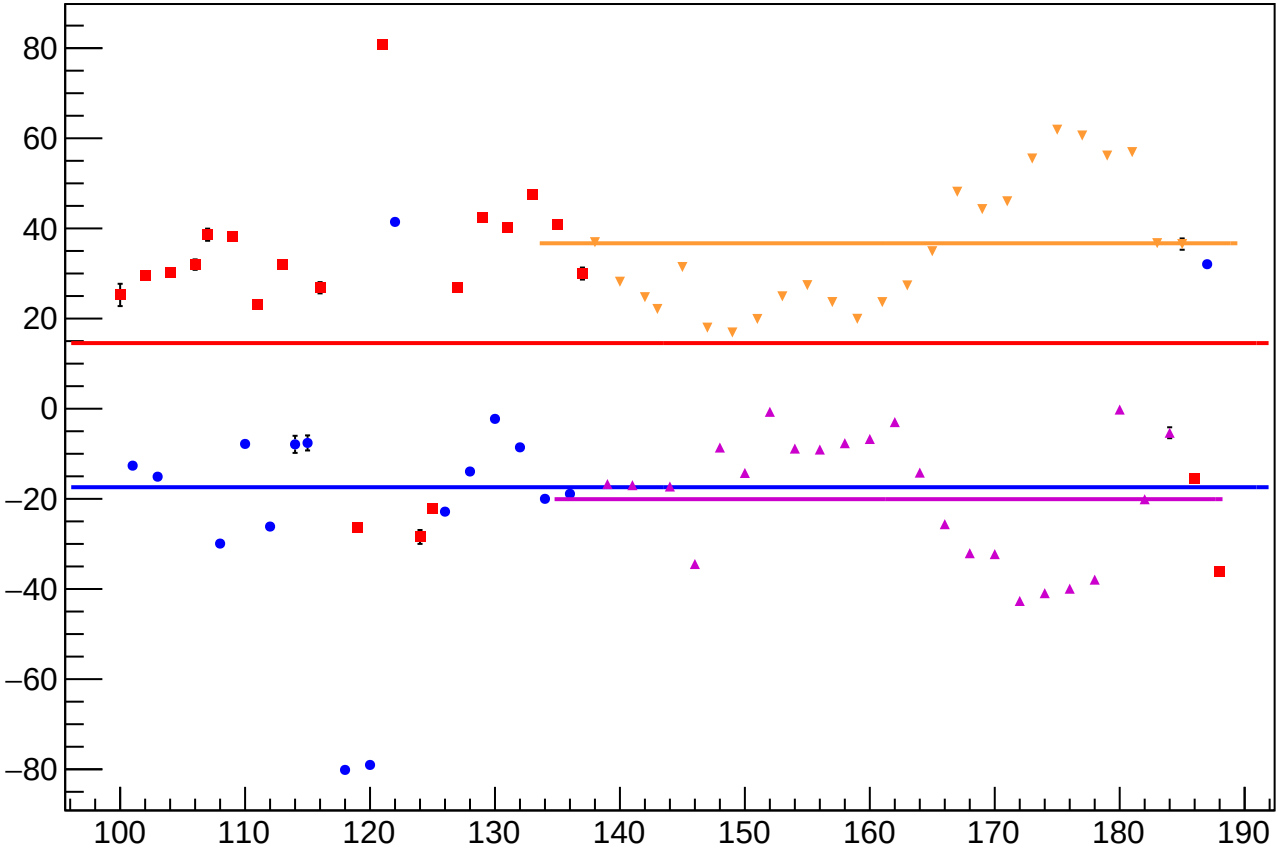
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 826.666+/-0.114 χ^2/NDF: 884306.4/41

All: 822.709+/-0.080 χ^2/NDF: 2027884.9/85

- sign 818.869+/-0.112 χ^2/NDF: 1141199.5/43

diff_bpm1i02Y_mean vs Slug



Right In: -17.416+/-0.229 χ^2/NDF: 15226.3/16

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 14.559+/-0.200 χ^2/NDF: 28929.2/20

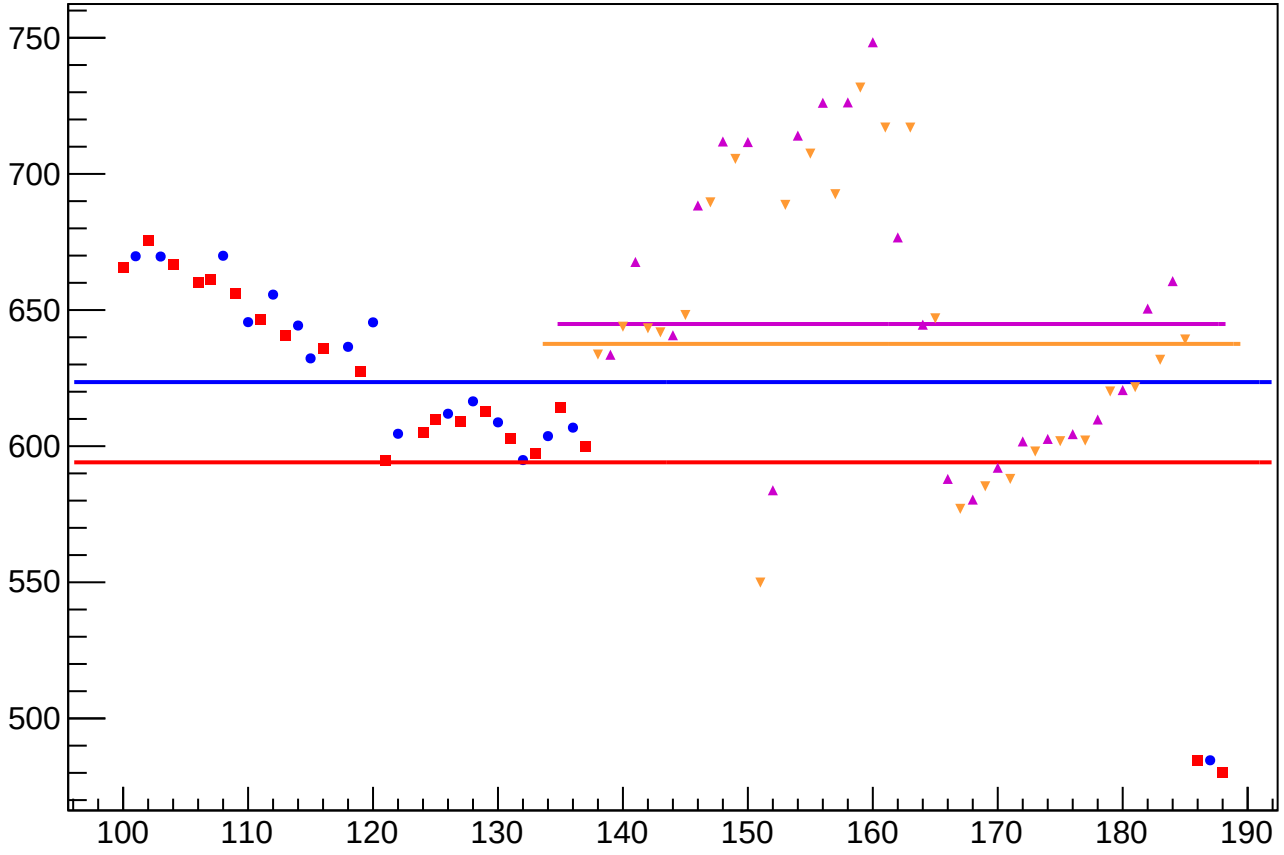
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 21.157+/-0.123 χ^2/NDF: 65244.6/41

All: 6.584+/-0.086 χ^2/NDF: 149466.4/85

- sign -7.505+/-0.121 χ^2/NDF: 56512.1/43

diff_bpm1i02Y_rms vs Slug



Right In: 623.539+/-0.162 χ^2/NDF: 57729.9/16

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 594.063+/-0.142 χ^2/NDF: 224875.2/20

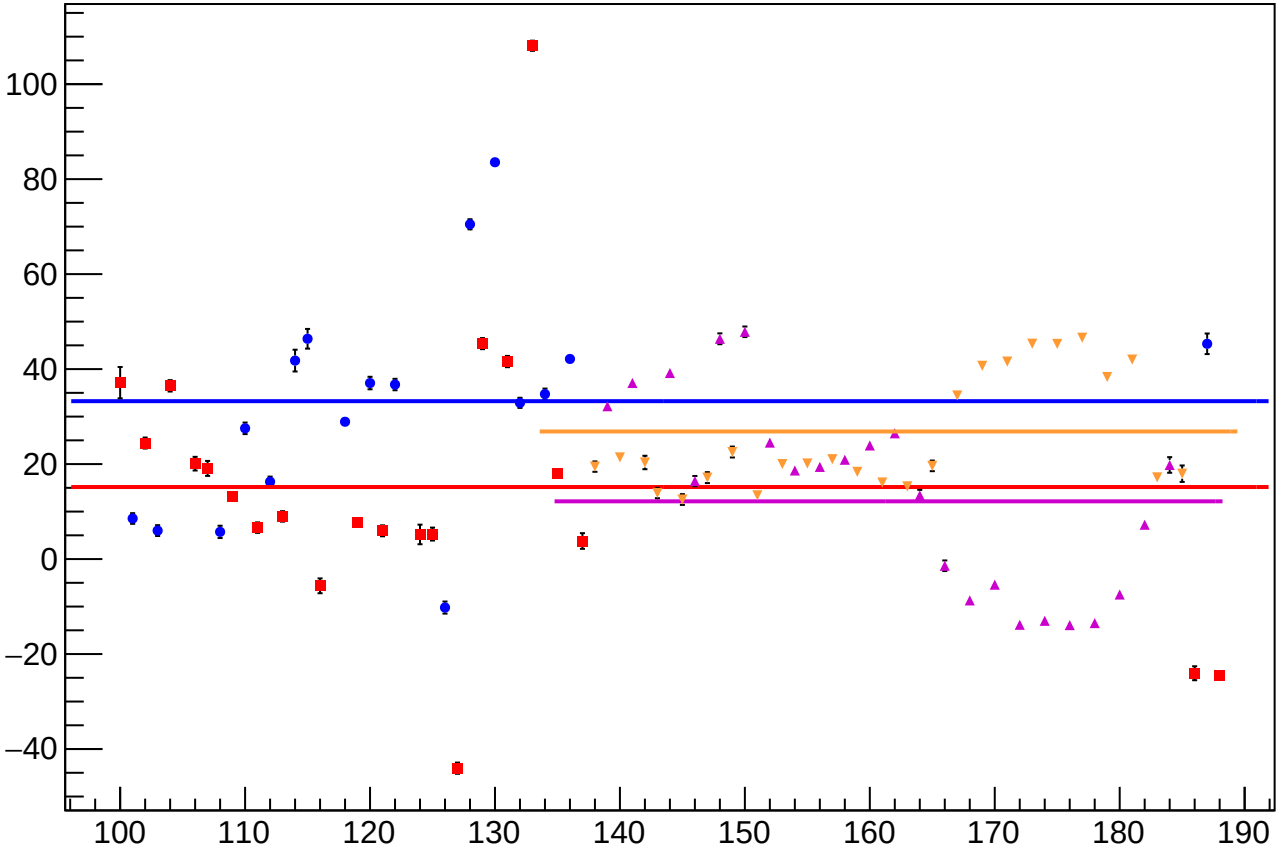
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 633.539+/-0.087 χ^2/NDF: 299617.6/41

All: 629.928+/-0.061 χ^2/NDF: 839359.0/85

- sign 626.438+/-0.085 χ^2/NDF: 536339.8/43

diff_bpm1i04X_mean vs Slug



Right In: 33.248+/-0.286 χ^2/NDF: 6731.8/16

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 15.169+/-0.269 χ^2/NDF: 14623.4/20

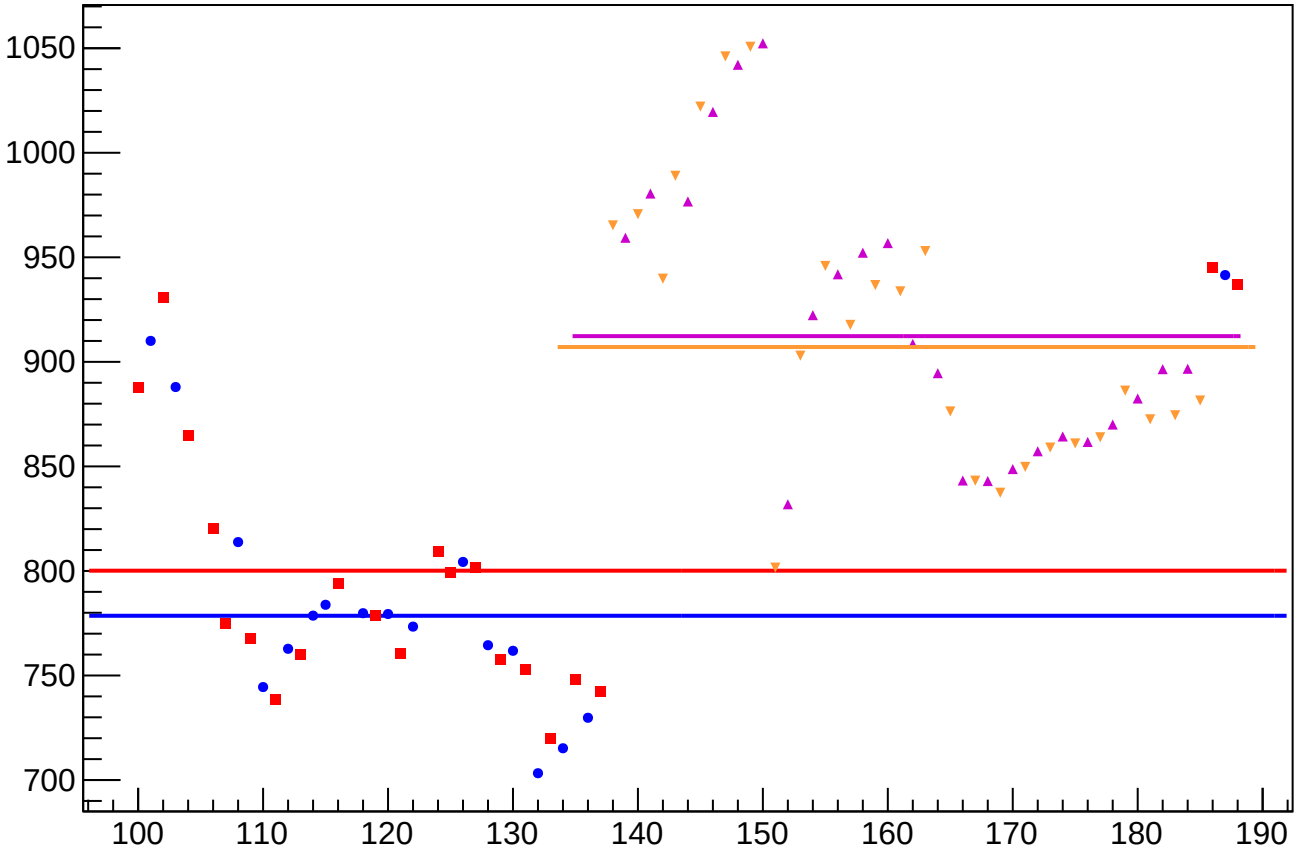
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 29.052+/-0.168 χ^2/NDF: 10448.7/41

All: 21.178+/-0.118 χ^2/NDF: 38105.9/85

- sign 13.322+/-0.167 χ^2/NDF: 23247.0/43

diff_bpm1i04X_rms vs Slug



Right In: 778.562+/-0.202 χ^2/NDF: 86177.4/16

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 800.122+/-0.190 χ^2/NDF: 132851.5/20

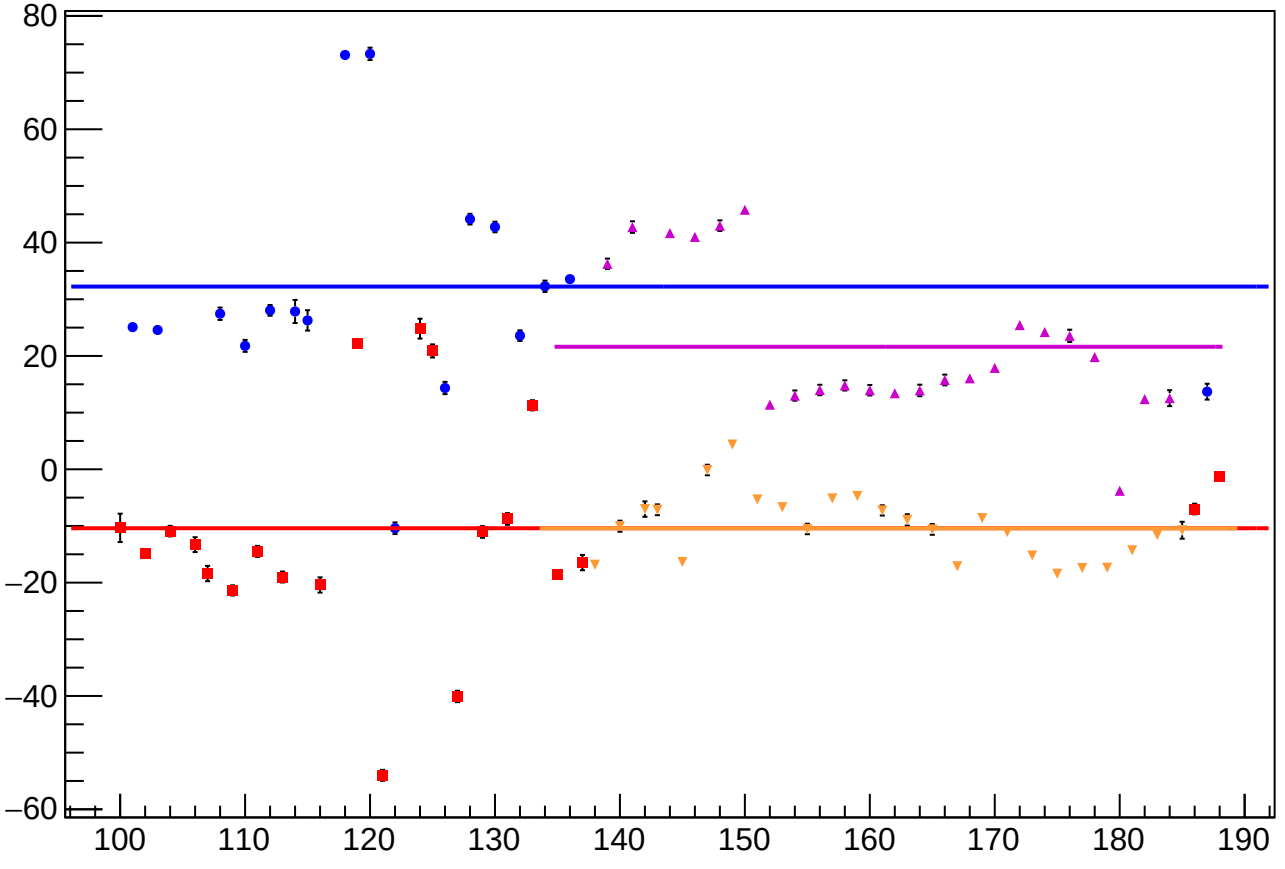
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 863.072+/-0.119 χ^2/NDF: 545678.1/41

All: 866.020+/-0.084 χ^2/NDF: 1067434.3/85

- sign 868.960+/-0.118 χ^2/NDF: 520520.5/43

diff_bpm1i04Y_mean vs Slug



Right In: 32.241+/-0.240 χ^2/NDF: 6440.5/16

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -10.406+/-0.219 χ^2/NDF: 6829.2/20

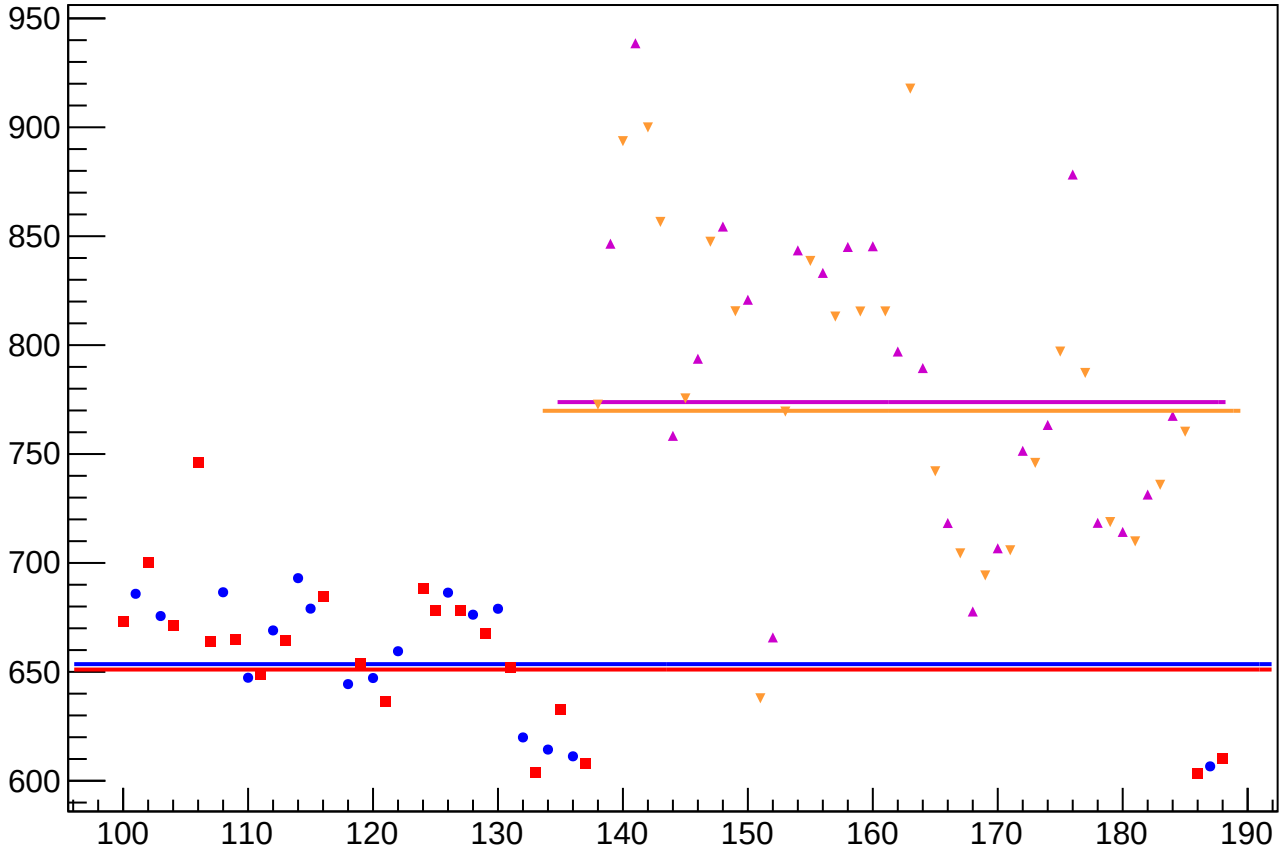
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 4.516+/-0.142 χ^2/NDF: 28026.6/41

All: 6.546+/-0.100 χ^2/NDF: 53178.5/85

- sign 8.519+/-0.140 χ^2/NDF: 24748.2/43

diff_bpm1i04Y_rms vs Slug



Right In: 653.547+/-0.170 χ^2/NDF: 29065.1/16

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 651.066+/-0.155 χ^2/NDF: 47193.5/20

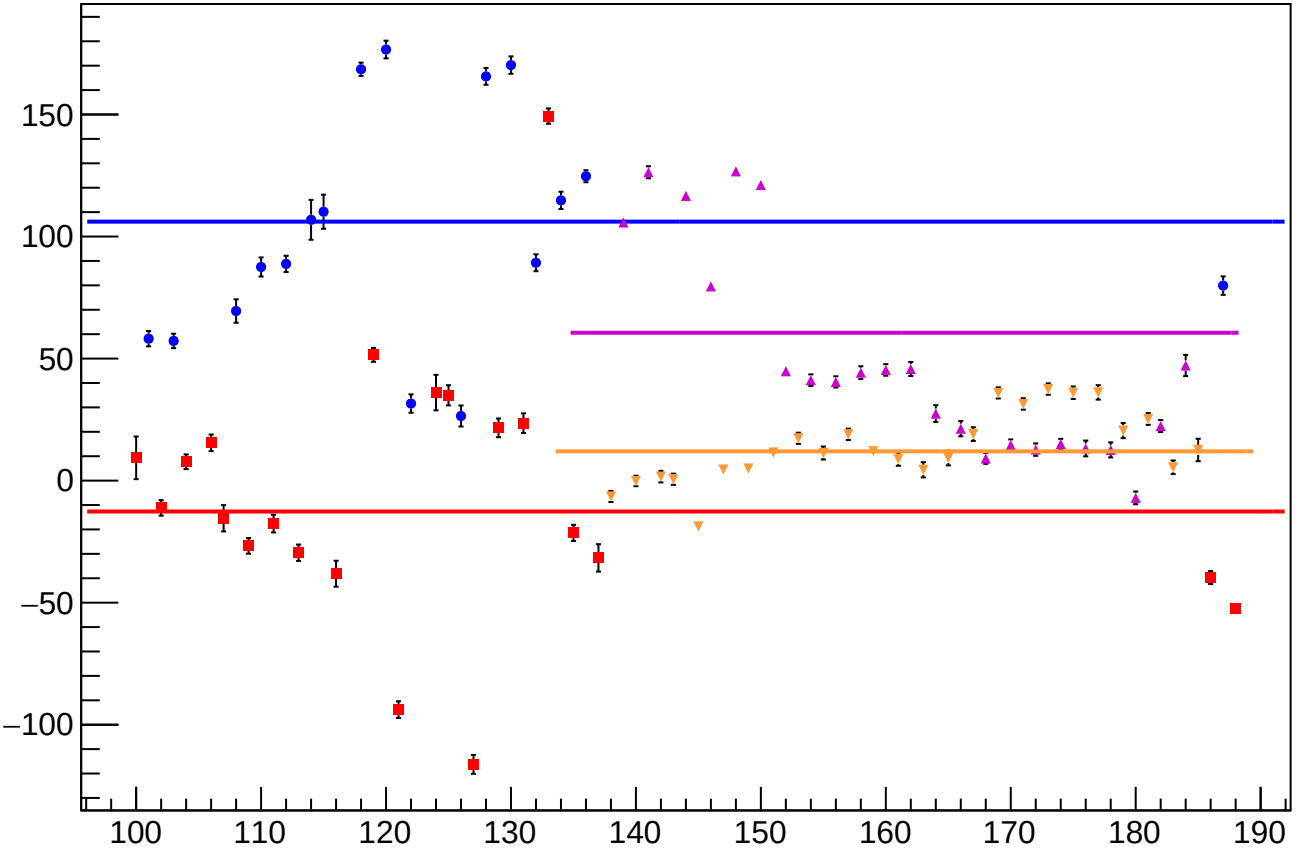
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 729.157+/-0.100 χ^2/NDF: 639166.5/41

All: 726.346+/-0.070 χ^2/NDF: 1343379.0/85

- sign 723.615+/-0.099 χ^2/NDF: 702665.4/43

diff_bpm1i06X_mean vs Slug



Right In: 106.108+/-0.862 χ^2/NDF: 3006.6/16

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -12.652+/-0.735 χ^2/NDF: 5679.1/20

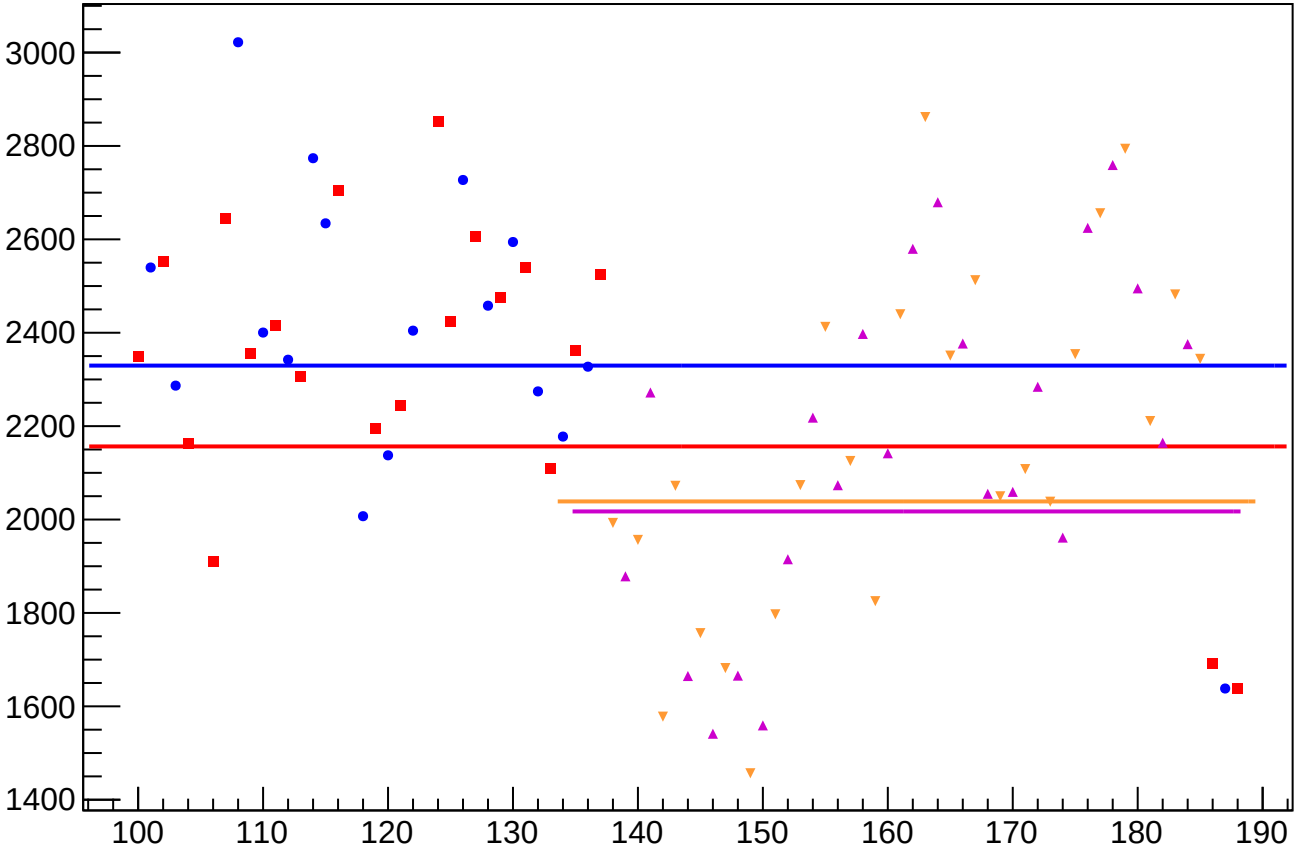
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 33.667+/-0.414 χ^2/NDF: 13130.0/41

All: 36.219+/-0.288 χ^2/NDF: 34477.8/85

- sign 38.634+/-0.402 χ^2/NDF: 21273.8/43

diff_bpm1i06X_rms vs Slug



Right In: 2329.651+/-0.610 χ^2/NDF: 197462.1/16

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 2156.545+/-0.520 χ^2/NDF: 461405.2/20

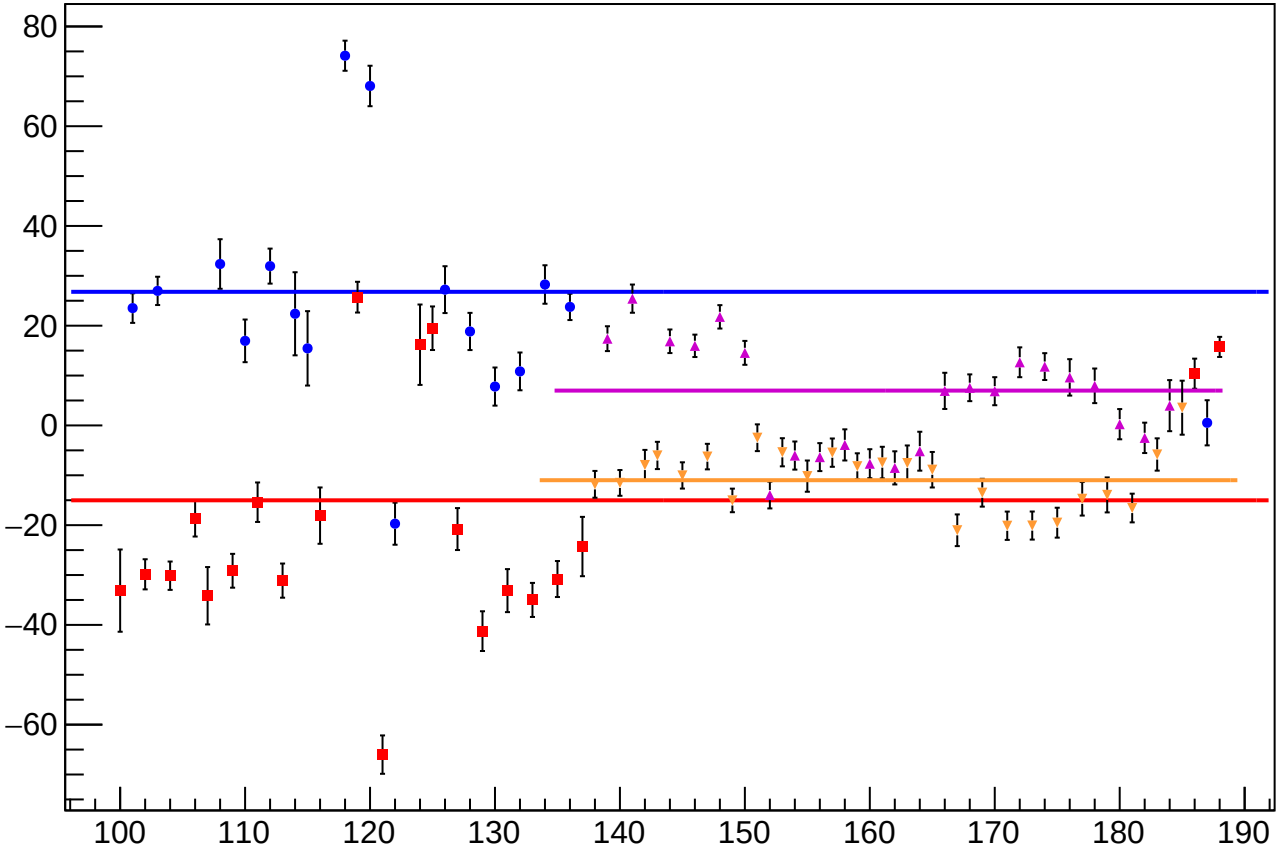
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 2105.779+/-0.293 χ^2/NDF: 1496258.5/41

All: 2081.780+/-0.204 χ^2/NDF: 3071064.2/85

- sign 2059.072+/-0.285 χ^2/NDF: 1561705.8/43

diff_bpm1i06Y_mean vs Slug



Right In: 26.791+/-0.917 χ^2/NDF: 565.8/16

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -15.018+/-0.795 χ^2/NDF: 959.0/20

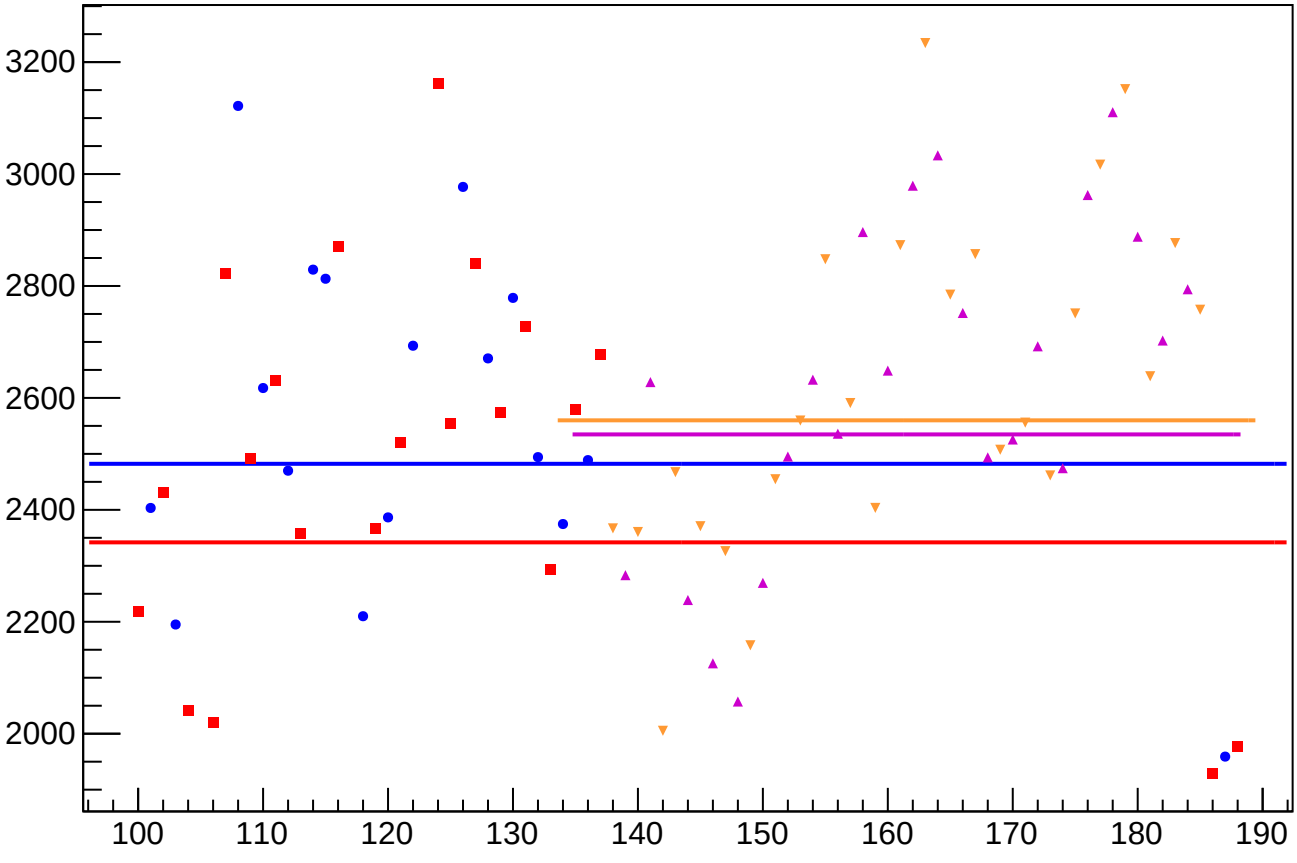
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -0.040+/-0.494 χ^2/NDF: 1857.9/41

All: -0.524+/-0.343 χ^2/NDF: 3647.4/85

- sign -0.977+/-0.478 χ^2/NDF: 1787.6/43

diff_bpm1i06Y_rms vs Slug



Right In: 2482.251+/-0.649 χ^2/NDF: 154456.1/16

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

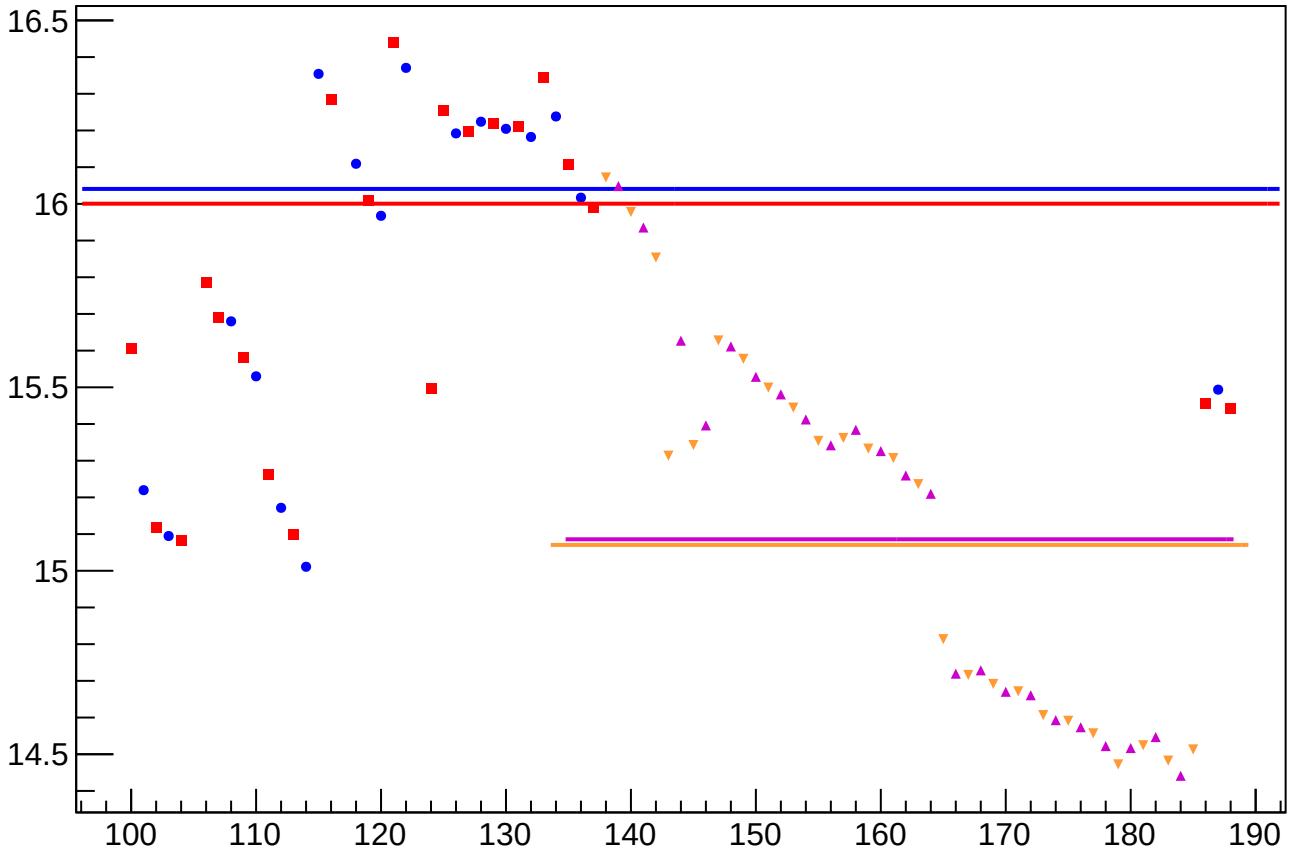
Right Out: 2341.890+/-0.562 χ^2/NDF: 285712.1/20

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2537.424+/-0.349 χ^2/NDF: 614831.1/41

All: 2500.031+/-0.243 χ^2/NDF: 1461571.8/85

- sign 2464.979+/-0.338 χ^2/NDF: 824518.6/43



Right In: 16.041+/-0.000 χ^2/NDF: 2876802256.0/16

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 16.000+/-0.000 χ^2/NDF: 4379764967.3/20

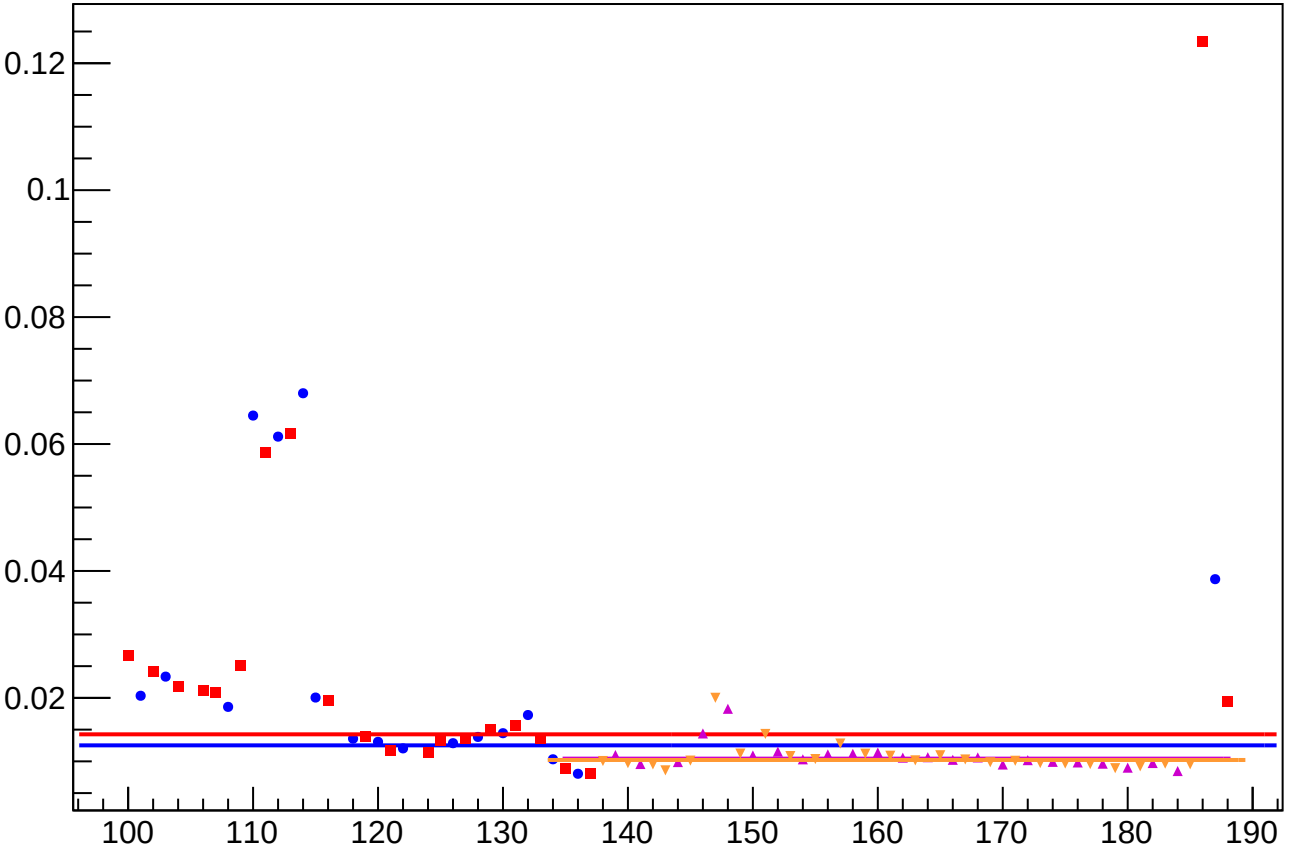
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.236+/-0.000 χ^2/NDF: 74499063630.7/41

All: 15.239+/-0.000 χ^2/NDF: 140956789030.

- sign 15.242+/-0.000 χ^2/NDF: 66454000016.9/43

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2482988.0/16

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

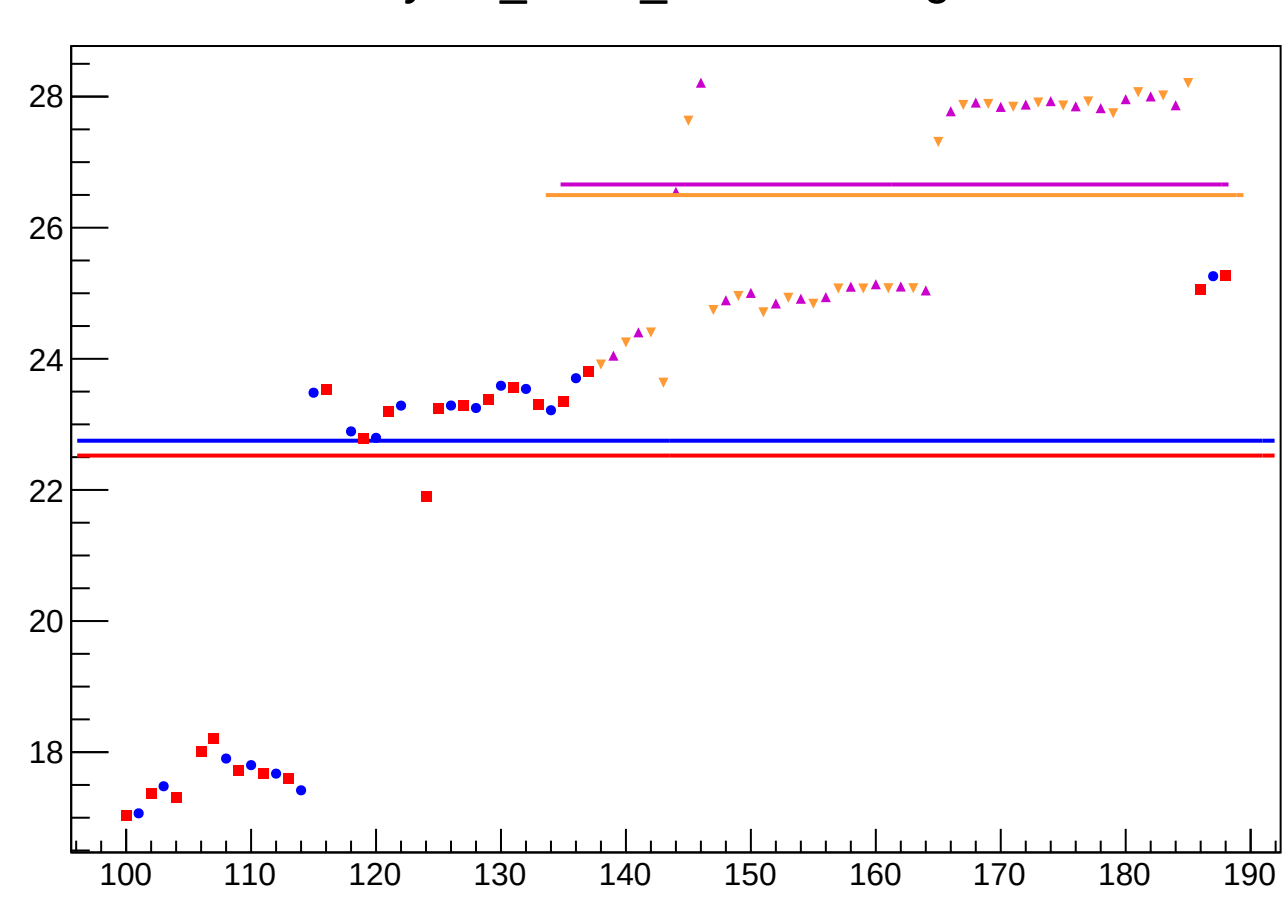
Right Out: 0.014+/-0.000 χ^2/NDF: 2983260.6/20

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 3557978.4/41

All: 0.011+/-0.000 χ^2/NDF: 7975554.1/85

- sign 0.011+/-0.000 χ^2/NDF: 4372988.8/43



Right In: 22.751+/-0.000 χ^2/NDF: 1233565641.4/16

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.524+/-0.000 χ^2/NDF: 1336354423.4/20

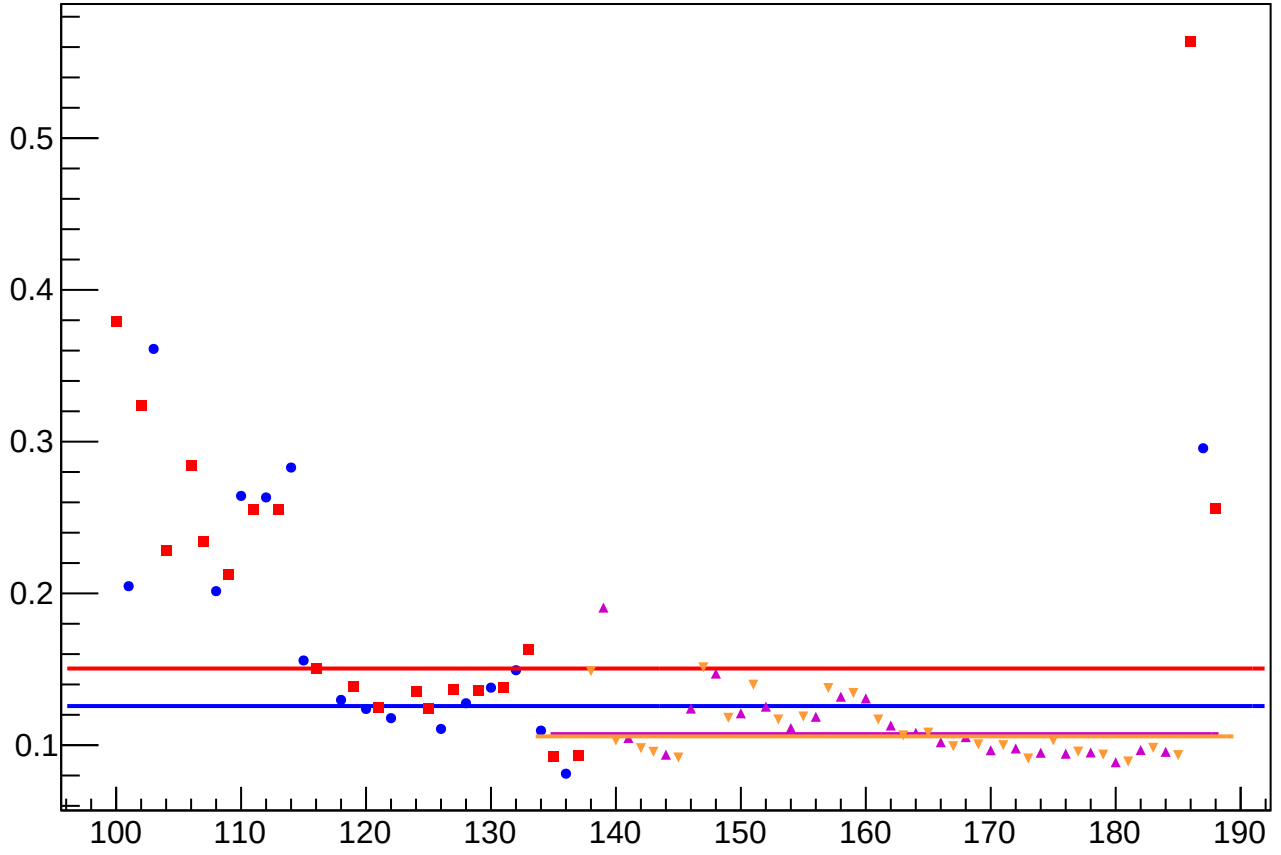
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.790+/-0.000 χ^2/NDF: 9077497197.6/41

All: 25.853+/-0.000 χ^2/NDF: 17459545453.7

- sign 25.923+/-0.000 χ^2/NDF: 8366596286.8/43

yield_sam2_rms vs Slug



Right In: 0.126+/-0.000 χ^2/NDF: 1867609.5/16

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.151+/-0.000 χ^2/NDF: 2335460.6/20

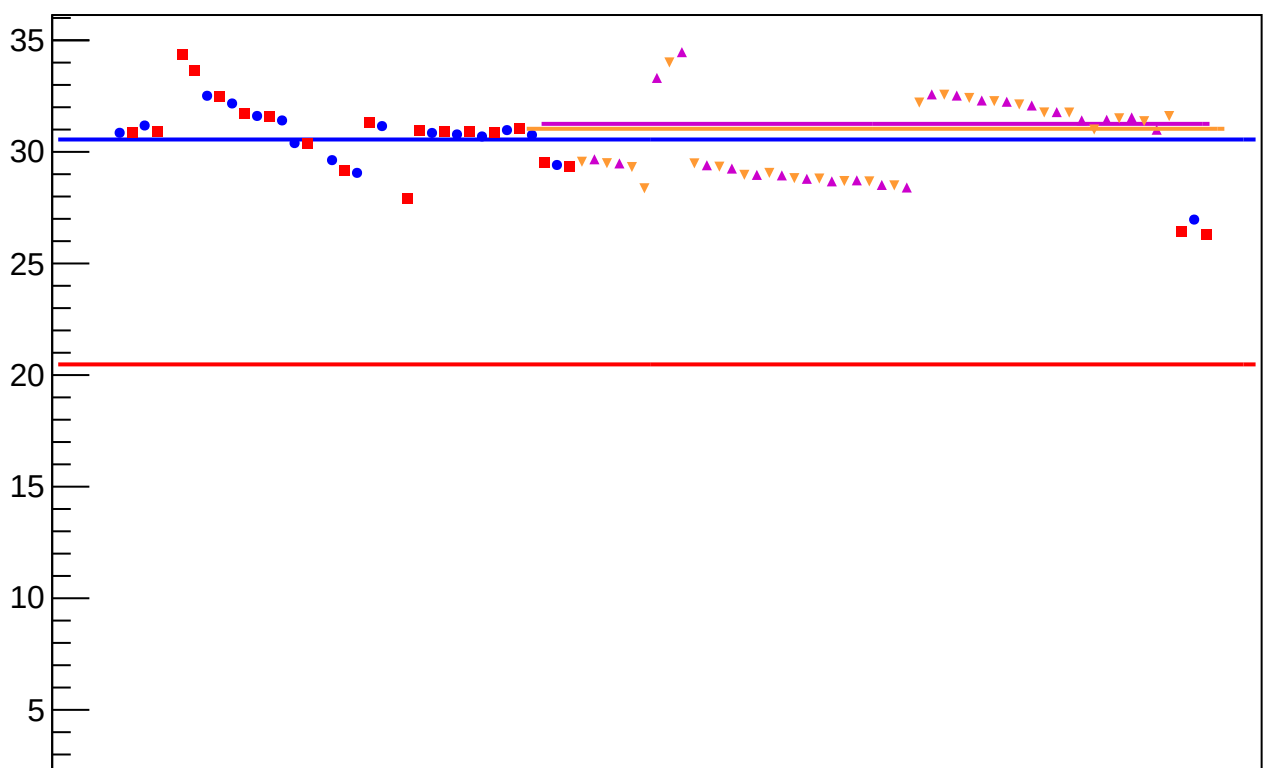
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.110+/-0.000 χ^2/NDF: 2847508.4/41

All: 0.112+/-0.000 χ^2/NDF: 6999303.3/85

- sign 0.115+/-0.000 χ^2/NDF: 4101053.4/43

yield_sam3_mean vs Slug



Right In: 30.555+/-0.000 χ^2/NDF: 735013141.2/16

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.478+/-0.000 χ^2/NDF: 222951917901.9/20

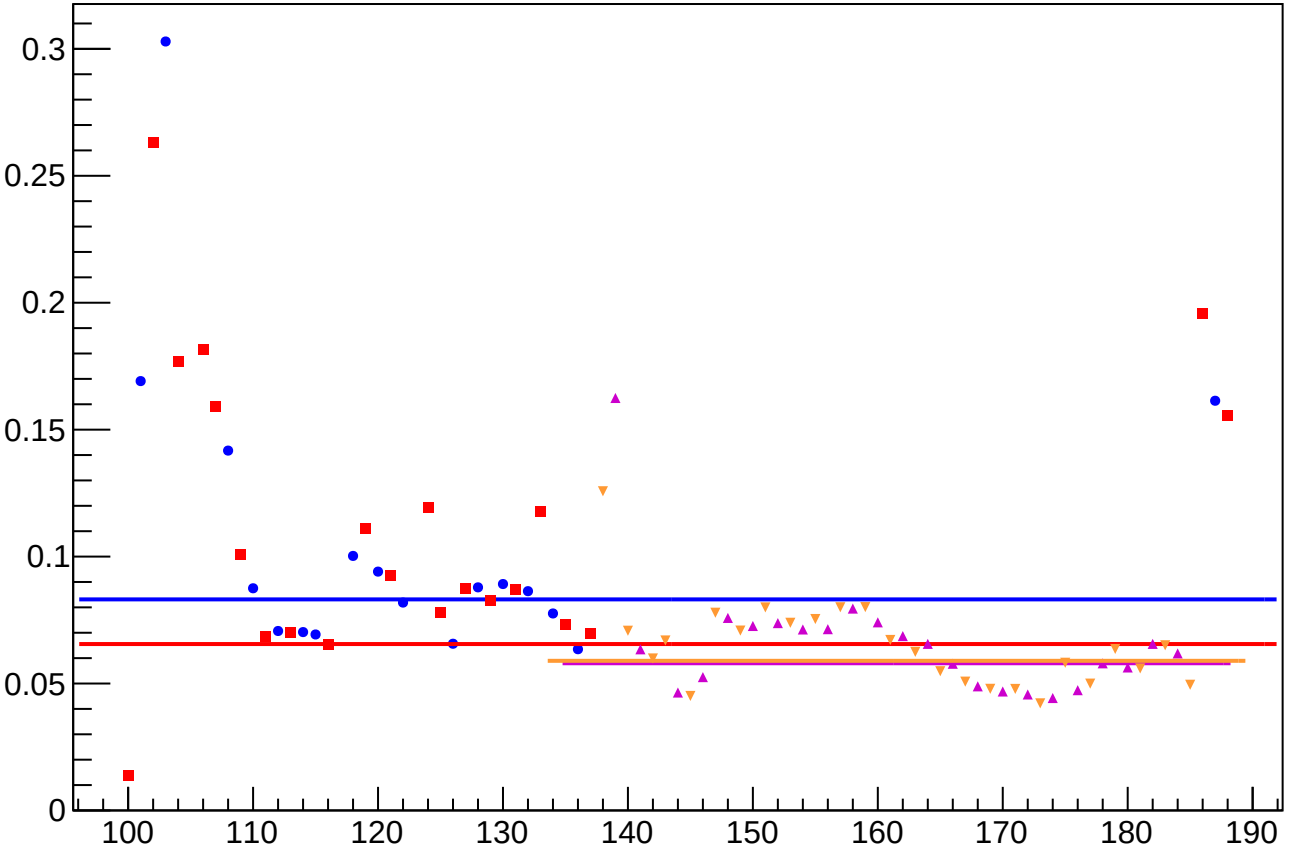
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.961+/-0.000 χ^2/NDF: 12784463318.3/41

All: 29.926+/-0.000 χ^2/NDF: 362388662200.

- sign 28.930+/-0.000 χ^2/NDF: 338963293704.5/43

yield_sam3_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF: 1340179.9/16

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.066+/-0.000 χ^2/NDF: 5002561.0/20

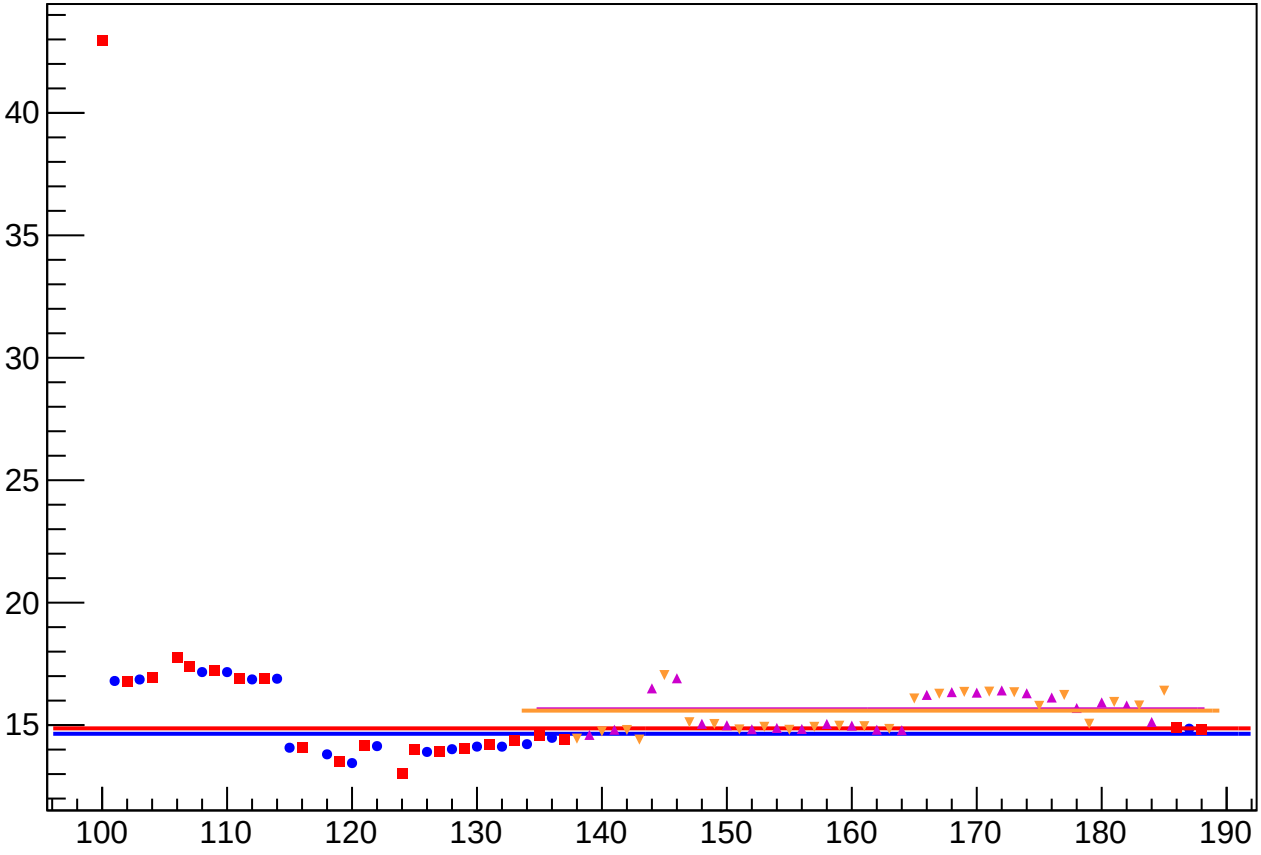
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.063+/-0.000 χ^2/NDF: 3649714.3/41

All: 0.061+/-0.000 χ^2/NDF: 10518924.3/85

- sign 0.060+/-0.000 χ^2/NDF: 6821041.1/43

yield_sam4_mean vs Slug



Right In: 14.645+/-0.000 χ^2/NDF: 1194098364.1/16

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.866+/-0.000 χ^2/NDF: 1730103232.1/20

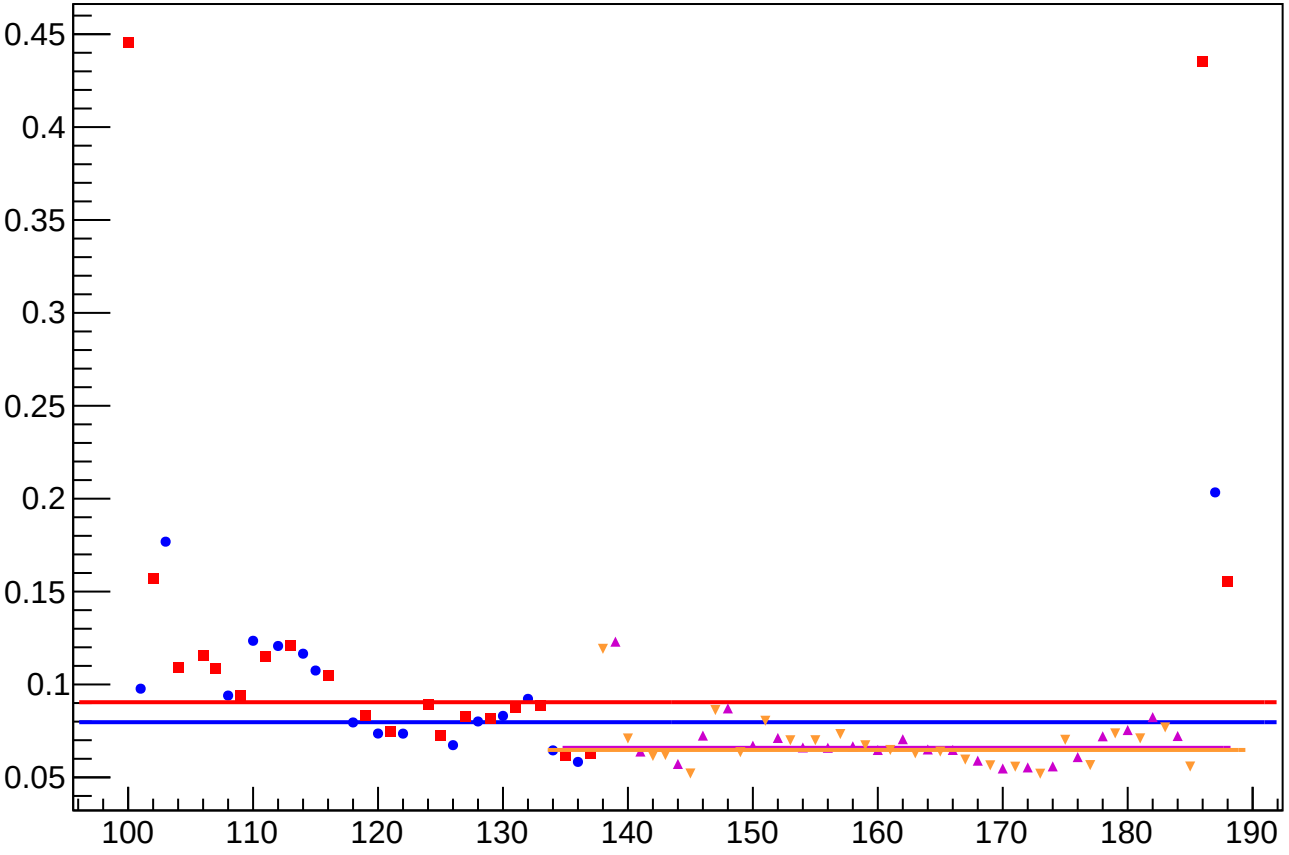
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.407+/-0.000 χ^2/NDF: 4130977197.5/41

All: 15.449+/-0.000 χ^2/NDF: 8157178126.9/8

- sign 15.494+/-0.000 χ^2/NDF: 4008873468.2/43

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF: 1050744.8/16

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.090+/-0.000 χ^2/NDF: 1632266.4/20

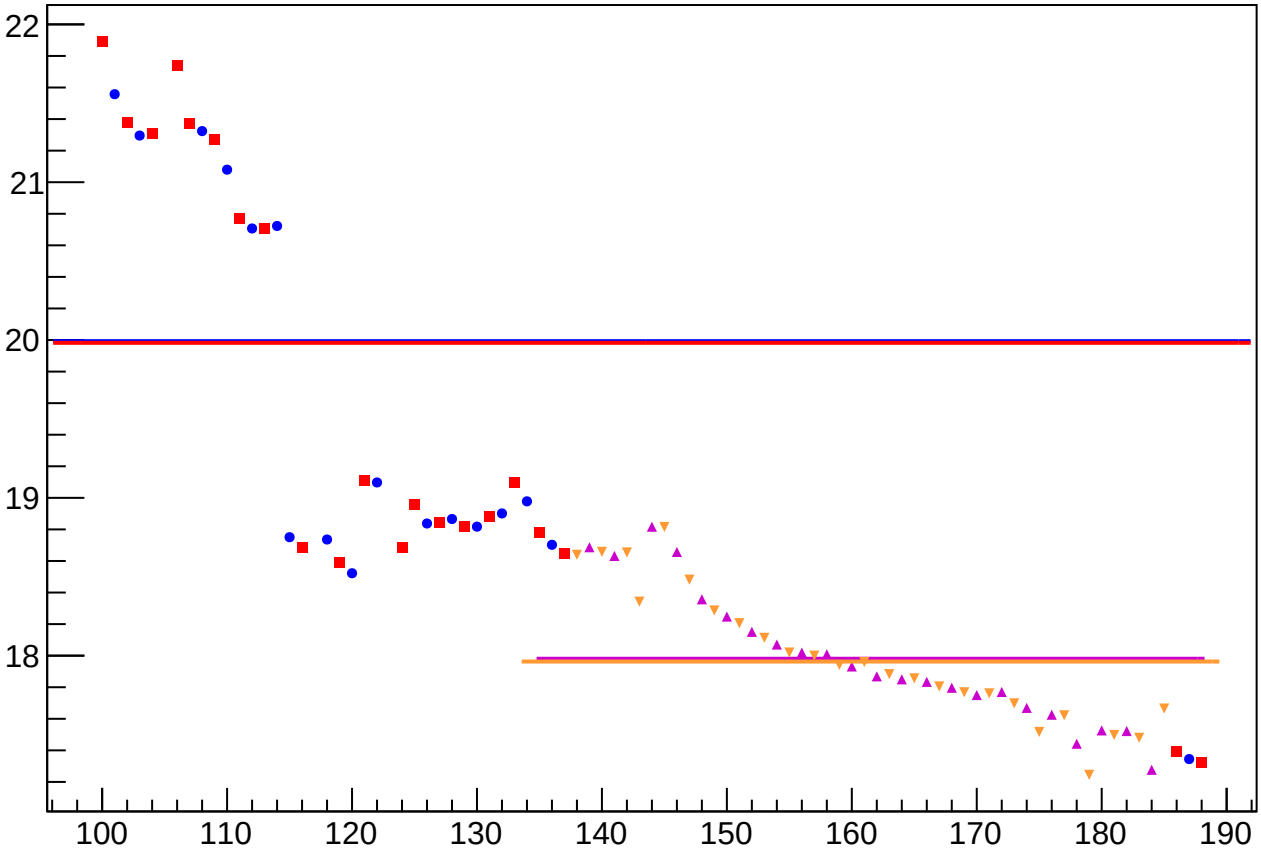
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.068+/-0.000 χ^2/NDF: 2245480.8/41

All: 0.069+/-0.000 χ^2/NDF: 5544682.6/85

- sign 0.071+/-0.000 χ^2/NDF: 3257538.7/43

yield_sam5_mean vs Slug



Right In: 19.993+/-0.000 χ^2/NDF: 11011618429.6/16

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.982+/-0.000 χ^2/NDF: 13989698753.9/20

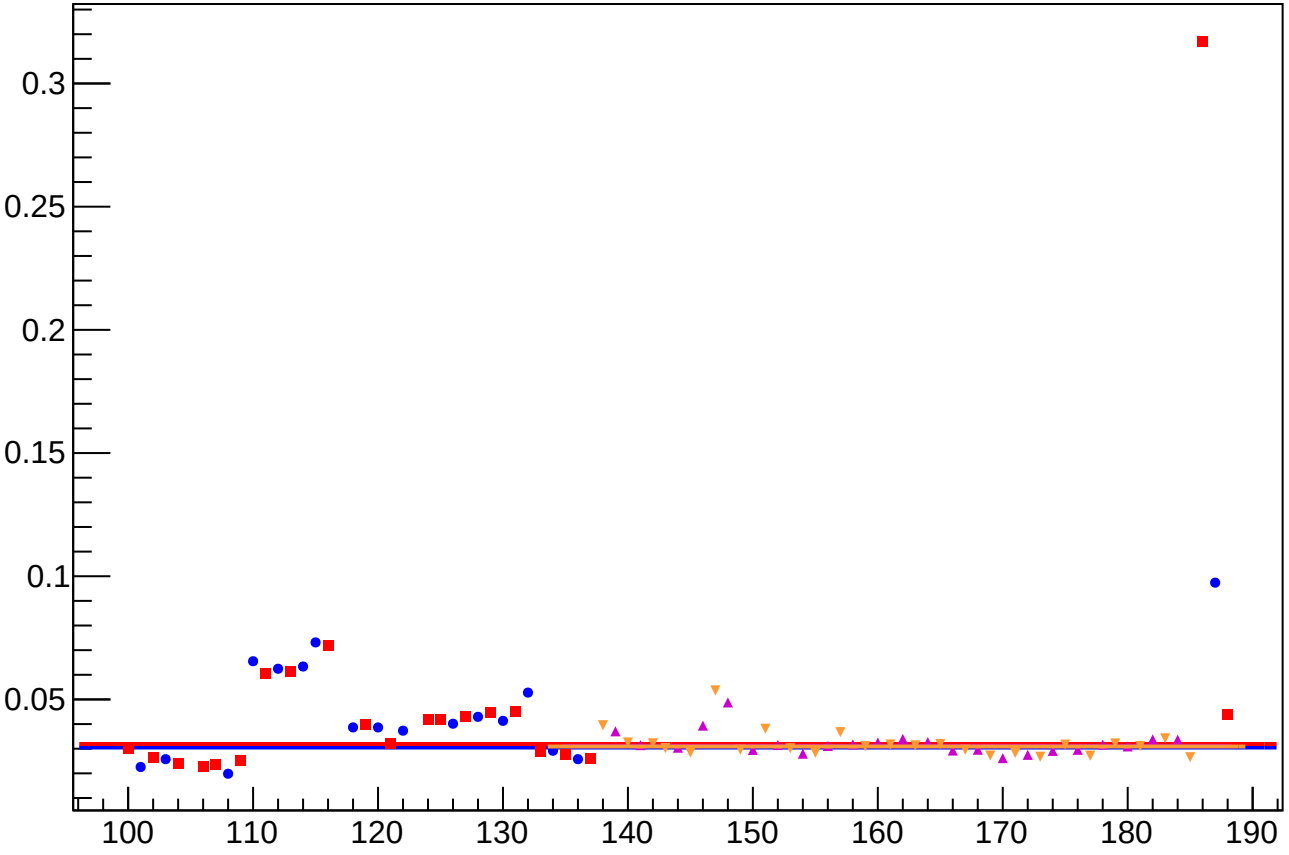
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.478+/-0.000 χ^2/NDF: 34103284968.2/41

All: 18.510+/-0.000 χ^2/NDF: 71003531480.5

- sign 18.543+/-0.000 χ^2/NDF: 36845559898.4/43

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1616962.8/16

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.032+/-0.000 χ^2/NDF: 1970701.3/20

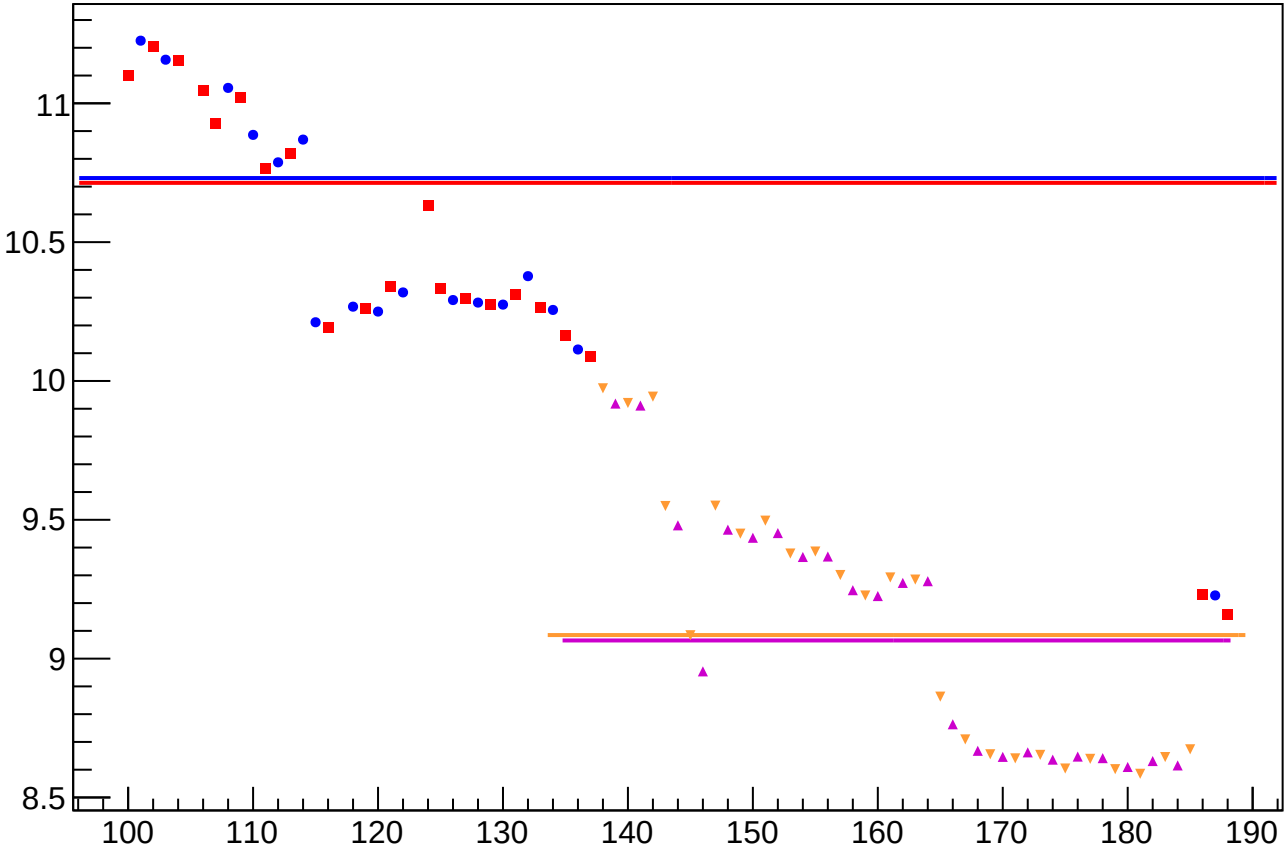
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF: 2252084.0/41

All: 0.031+/-0.000 χ^2/NDF: 4719759.8/85

- sign 0.031+/-0.000 χ^2/NDF: 2459574.6/43

yield_sam6_mean vs Slug



Right In: 10.731+/-0.000 χ^2/NDF: 6027075801.7/16

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.713+/-0.000 χ^2/NDF: 5941532630.1/20

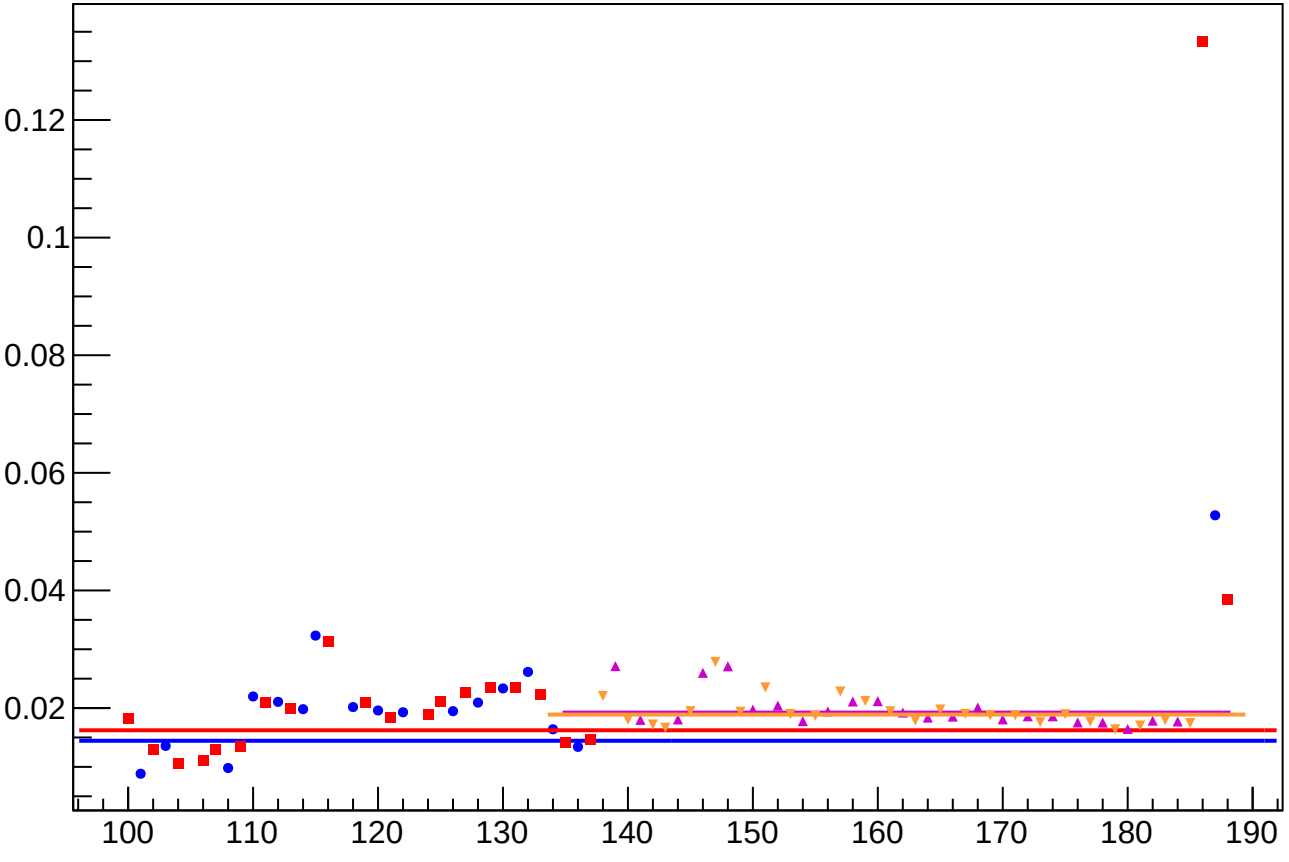
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.677+/-0.000 χ^2/NDF: 64248881305.4/41

All: 9.675+/-0.000 χ^2/NDF: 123107282791.9

- sign 9.673+/-0.000 χ^2/NDF: 58857880360.9/43

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1673896.6/16

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.016+/-0.000 χ^2/NDF: 2313688.9/20

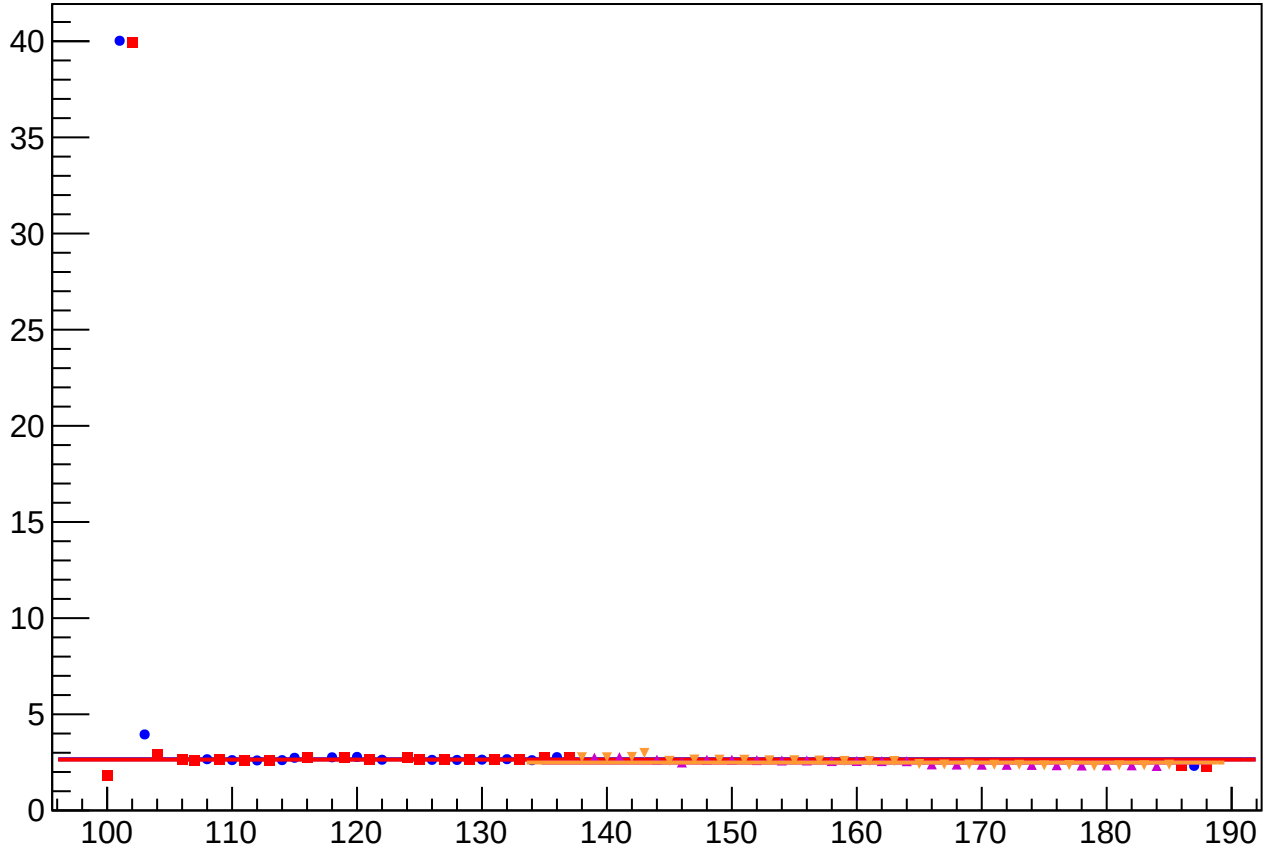
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.017+/-0.000 χ^2/NDF: 2818700.9/41

All: 0.018+/-0.000 χ^2/NDF: 6023020.5/85

- sign 0.018+/-0.000 χ^2/NDF: 3153493.8/43

yield_sam7_mean vs Slug



Right In: 2.662+/-0.000 χ^2/NDF: 68576107236.0/16

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.644+/-0.000 χ^2/NDF: 71271646657.3/20

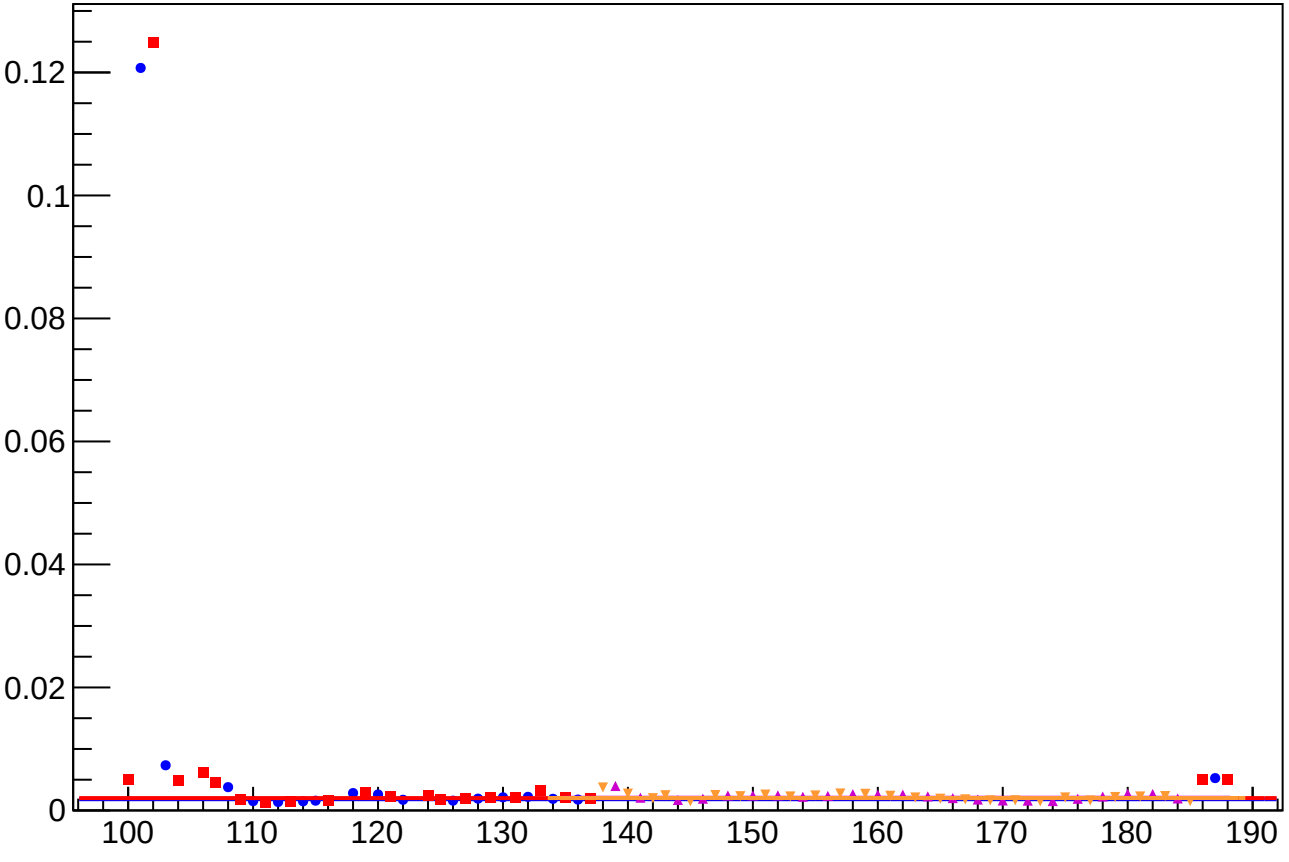
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.539+/-0.000 χ^2/NDF: 191552550707.3/41

All: 2.537+/-0.000 χ^2/NDF: 348734434791.8

- sign 2.535+/-0.000 χ^2/NDF: 157142035506.2/43

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1969174.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

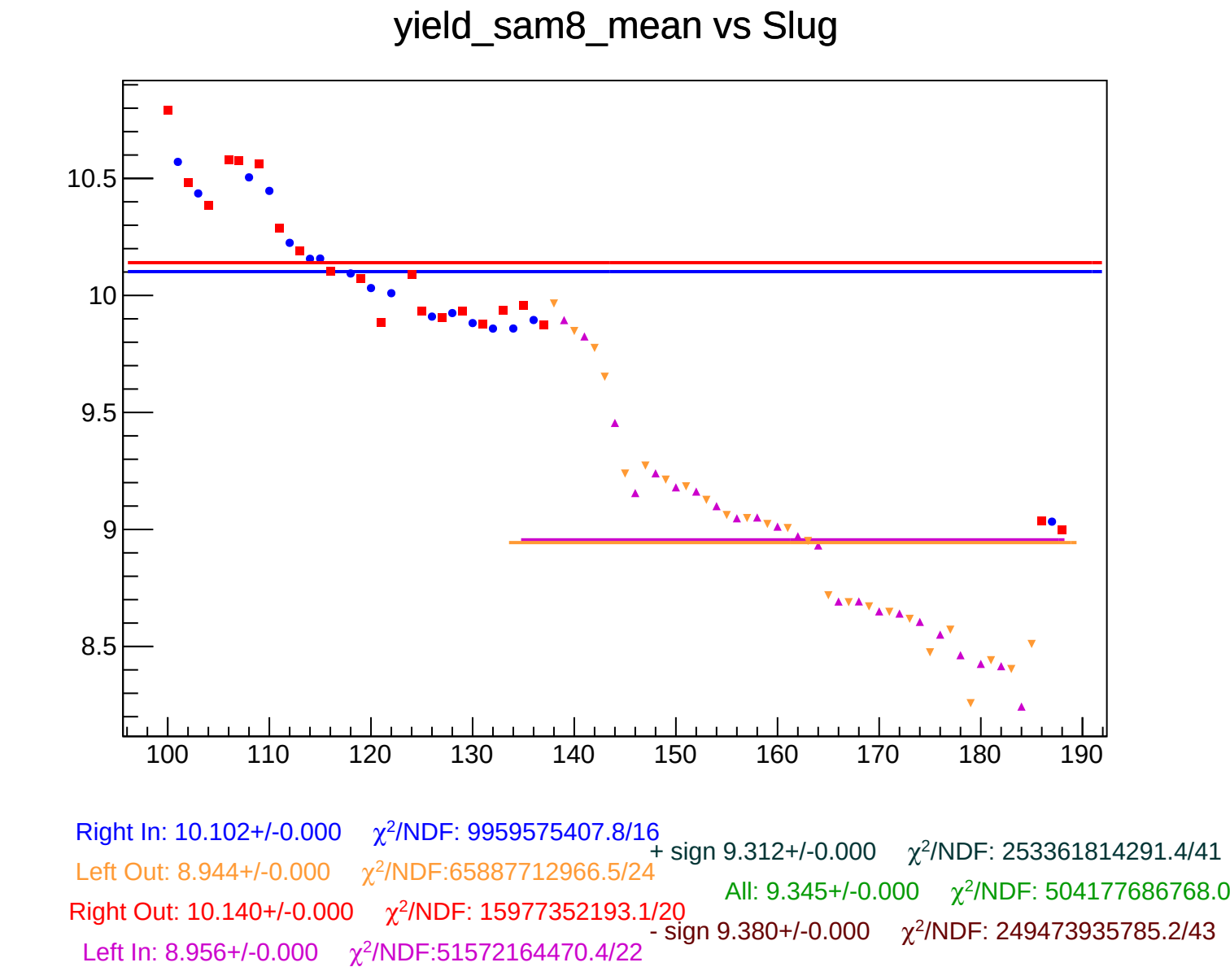
Right Out: 0.002+/-0.000 χ^2/NDF: 3490851.3/20

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

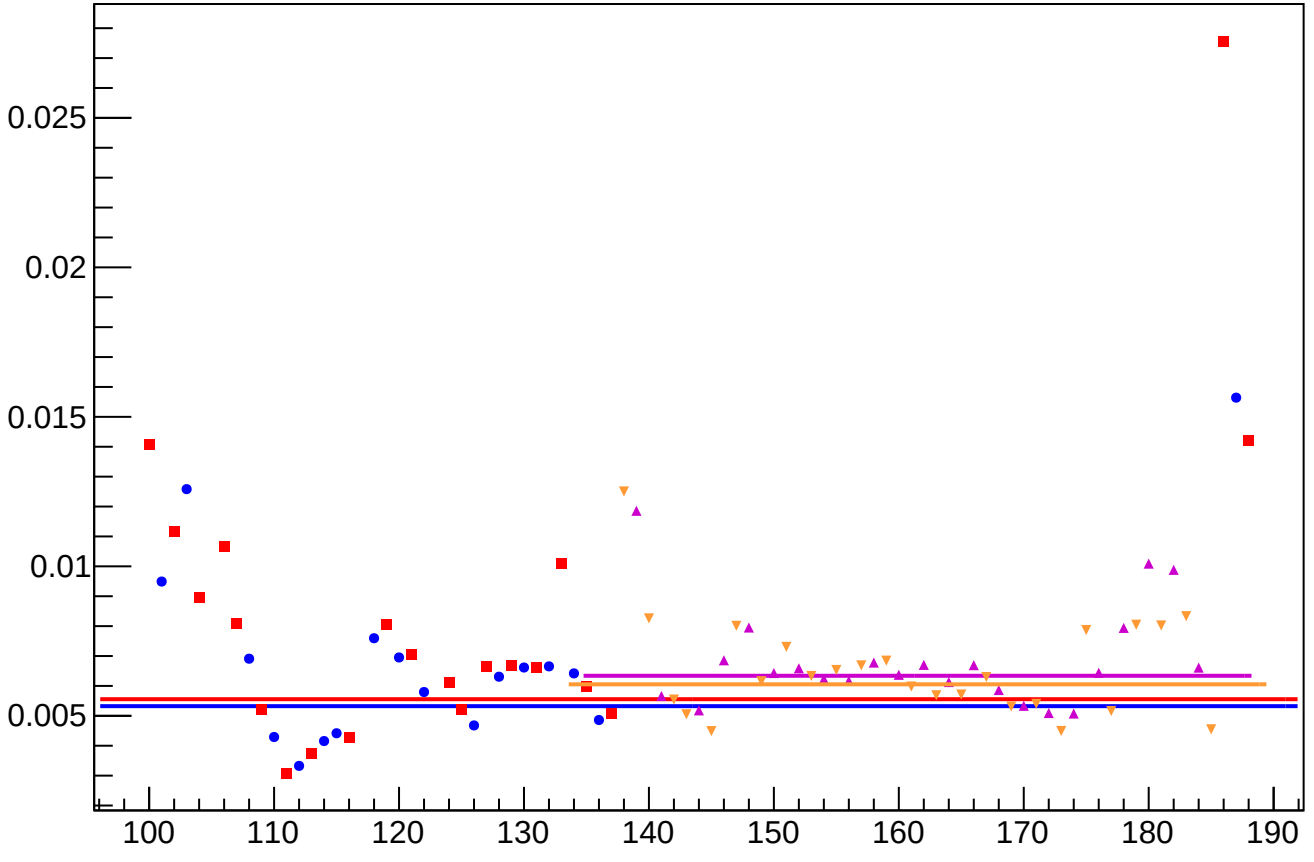
+ sign 0.002+/-0.000 χ^2/NDF: 3605609.1/41

All: 0.002+/-0.000 χ^2/NDF: 8536793.2/85

- sign 0.002+/-0.000 χ^2/NDF: 4899524.6/43


yield_sam8_mean vs Slug
10.5
10
9.5
9
8.5
100
110
120
130
140
150
160
170
180
190
Right In: 10.102+/-0.000 χ²/NDF: 9959575407.8/16
Left Out: 8.944+/-0.000 χ²/NDF:65887712966.5/24
Right Out: 10.140+/-0.000 χ²/NDF: 15977352193.1/20
Left In: 8.956+/-0.000 χ²/NDF:51572164470.4/22
+ sign 9.312+/-0.000 χ²/NDF: 253361814291.4/41
All: 9.345+/-0.000 χ²/NDF: 504177686768.0
- sign 9.380+/-0.000 χ²/NDF: 249473935785.2/43

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1429534.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 3022469.5/20

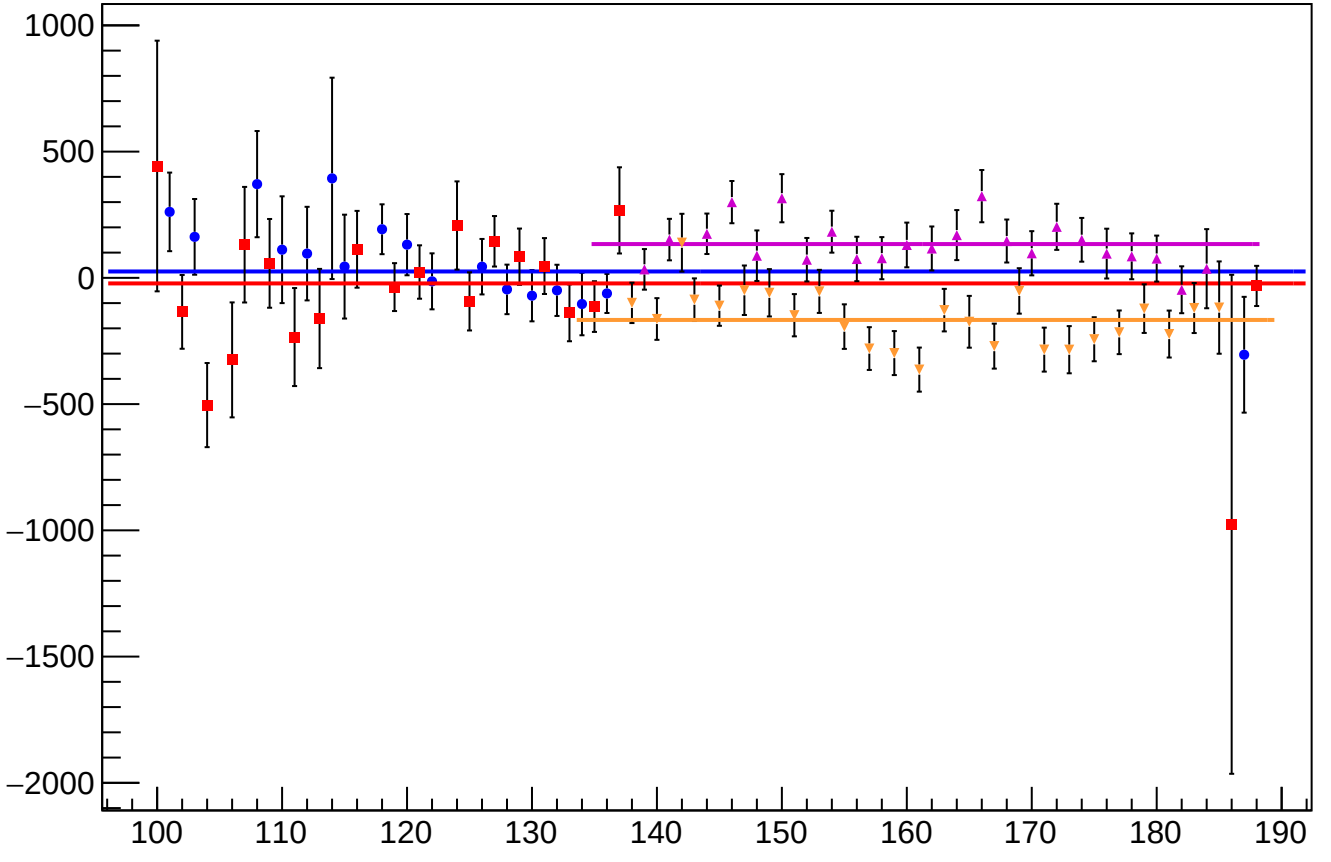
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 3031845.0/41

All: 0.006+/-0.000 χ^2/NDF: 7421884.4/85

- sign 0.006+/-0.000 χ^2/NDF: 4356948.2/43

reg_asym_sam1_mean vs Slug



Right In: 25.306+/-30.513 χ^2/NDF: 17.2/16

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -22.031+/-28.920 χ^2/NDF: 26.9/20

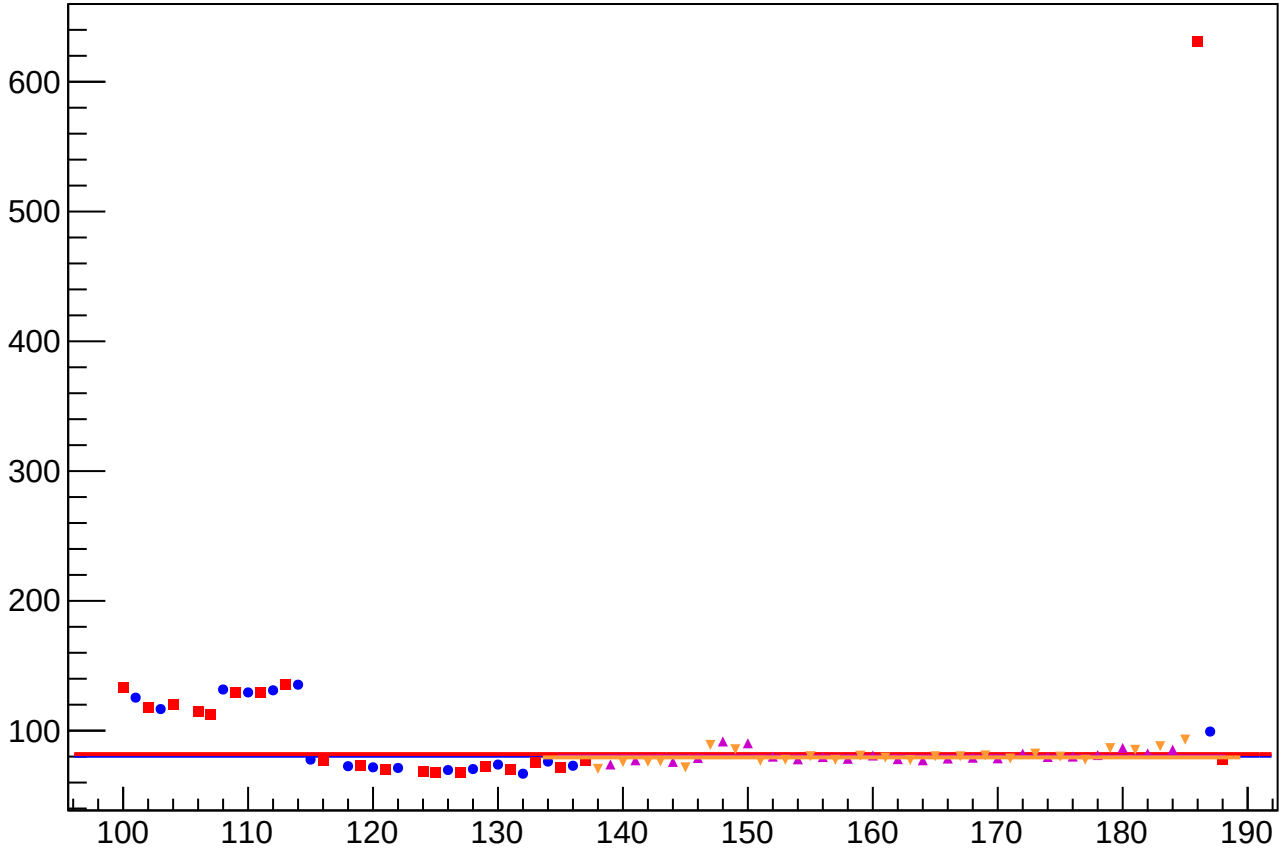
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -116.791+/-15.554 χ^2/NDF: 78.1/41

All: -15.742+/-11.062 χ^2/NDF: 231.6/85

- sign 87.692+/-15.736 χ^2/NDF: 68.1/43

reg_asym_sam1_rms vs Slug



Right In: 80.689+/-0.022 χ^2/NDF: 853442.1/16

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 81.922+/-0.020 χ^2/NDF: 1554865.4/20

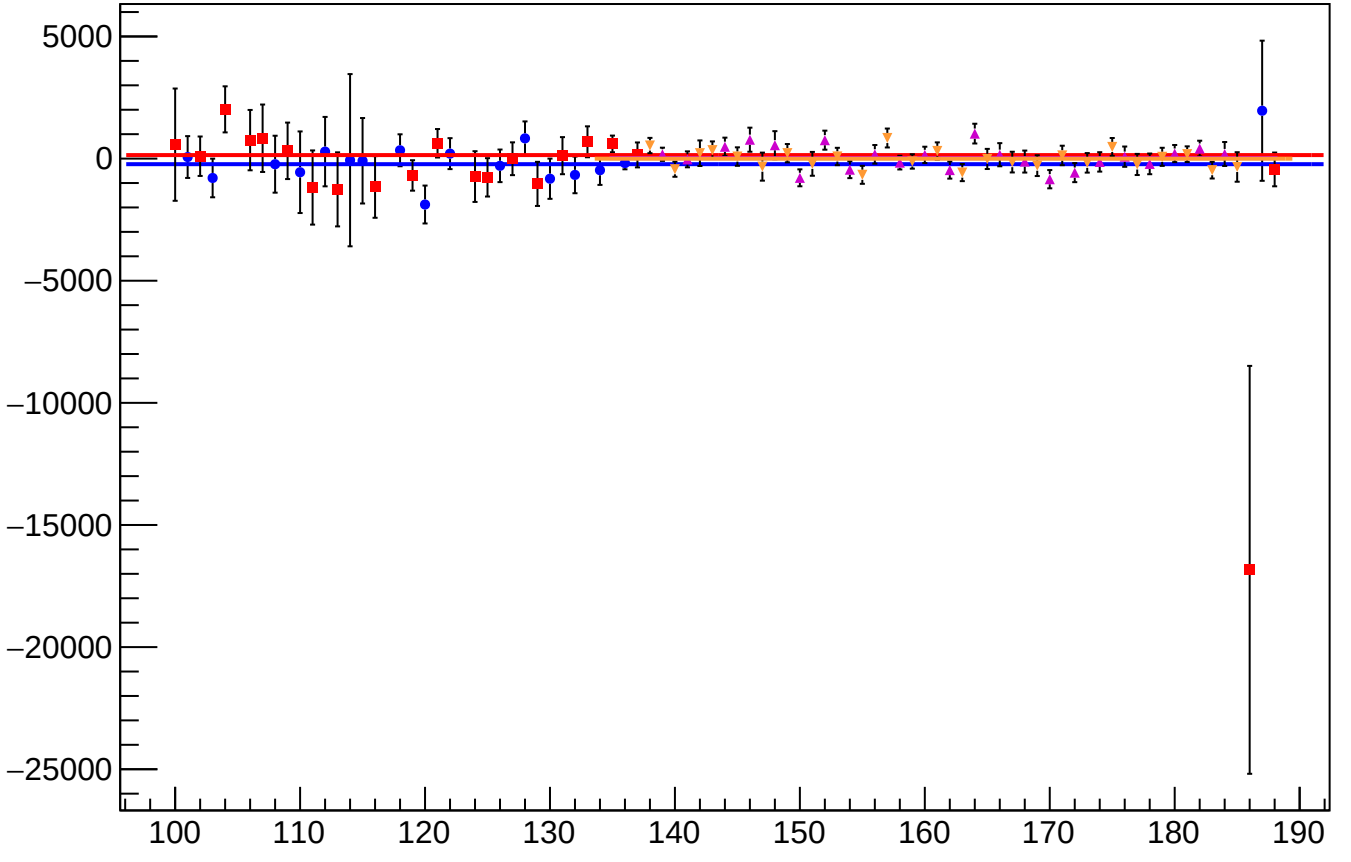
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.743+/-0.011 χ^2/NDF: 990838.9/41

All: 80.207+/-0.008 χ^2/NDF: 2645998.8/85

- sign 80.682+/-0.011 χ^2/NDF: 1651557.9/43

asym_sam1_reg_correction_mean vs Slug



Right In: -228.391+/-163.499 χ^2/NDF: 10.5/16

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 143.849+/-165.406 χ^2/NDF: 20.9/20

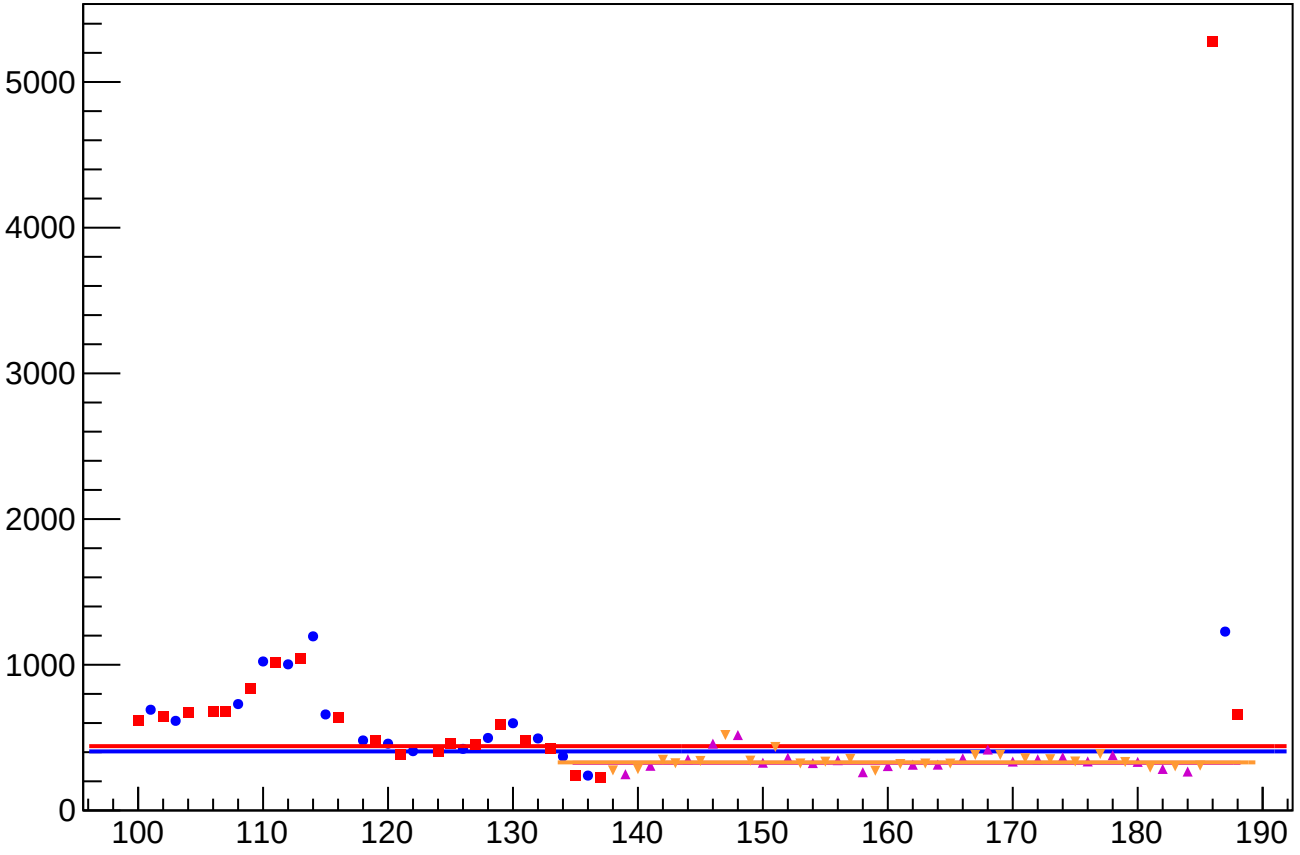
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -43.319+/-68.816 χ^2/NDF: 36.1/41

All: -1.642+/-49.145 χ^2/NDF: 93.2/85

- sign 41.738+/-70.209 χ^2/NDF: 56.4/43

asym_sam1_reg_correction_rms vs Slug



Right In: 405.337+/-0.116 χ^2/NDF: 2524944.9/16

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

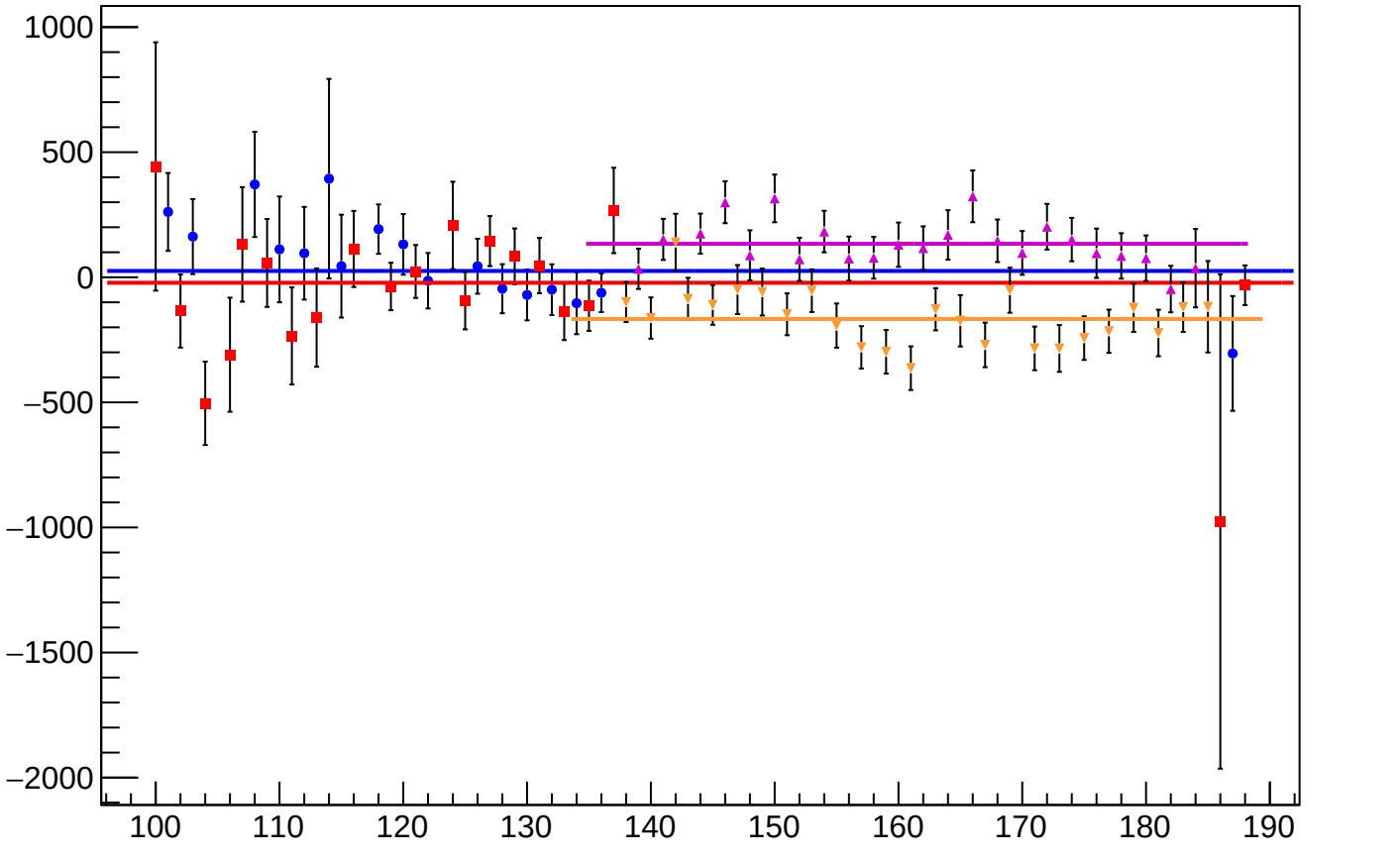
Right Out: 441.359+/-0.117 χ^2/NDF: 3258105.9/20

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 343.320+/-0.049 χ^2/NDF: 3533900.3/41

All: 345.404+/-0.035 χ^2/NDF: 8479356.7/85

- sign 347.574+/-0.050 χ^2/NDF: 4941711.3/43



Right In: 25.316+/-30.513 χ^2/NDF: 17.2/16

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -21.777+/-28.920 χ^2/NDF: 26.7/20

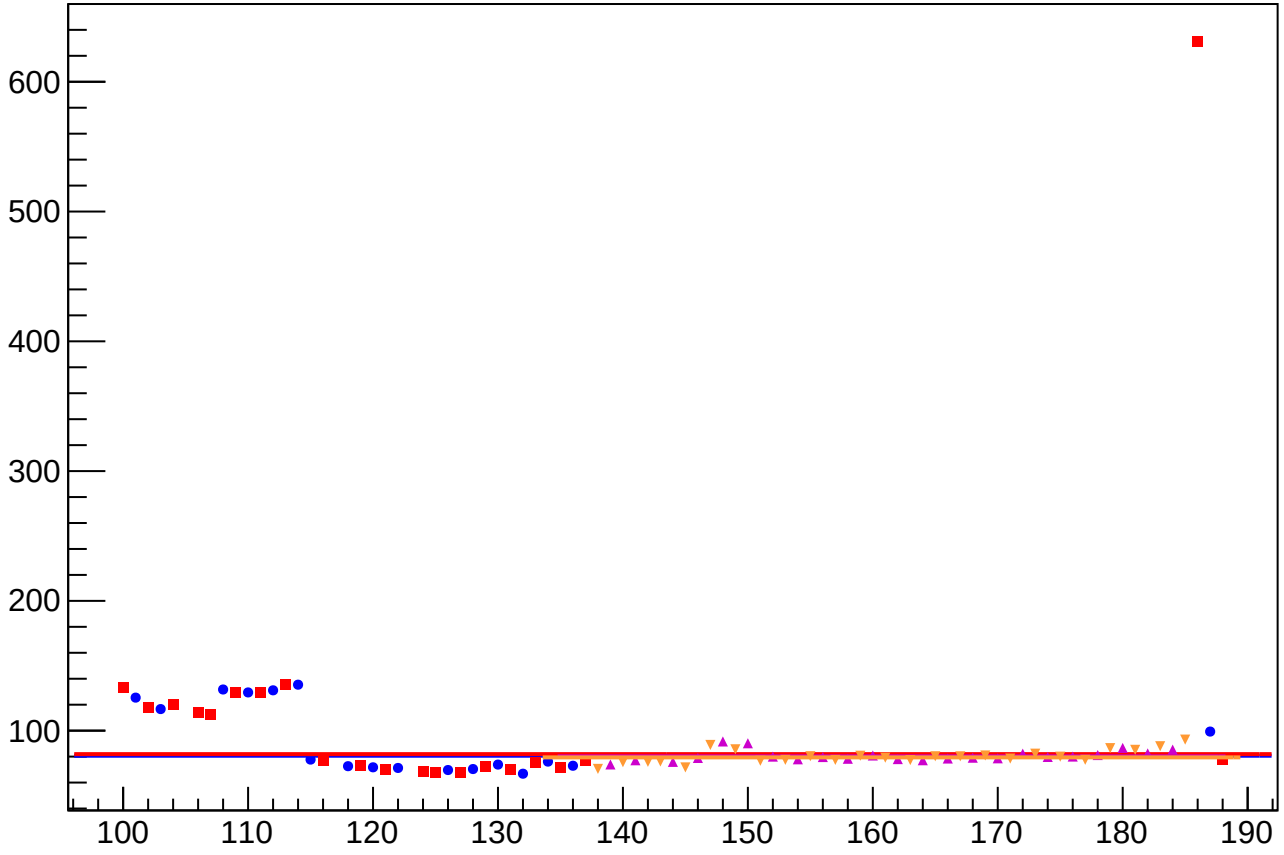
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -116.787+/-15.554 χ^2/NDF: 78.1/41

All: -15.700+/-11.062 χ^2/NDF: 231.4/85

- sign 87.774+/-15.736 χ^2/NDF: 67.8/43

cor_asym_sam1_rms vs Slug



Right In: 80.689+/-0.022 χ^2/NDF: 853442.2/16

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 81.909+/-0.020 χ^2/NDF: 1552989.8/20

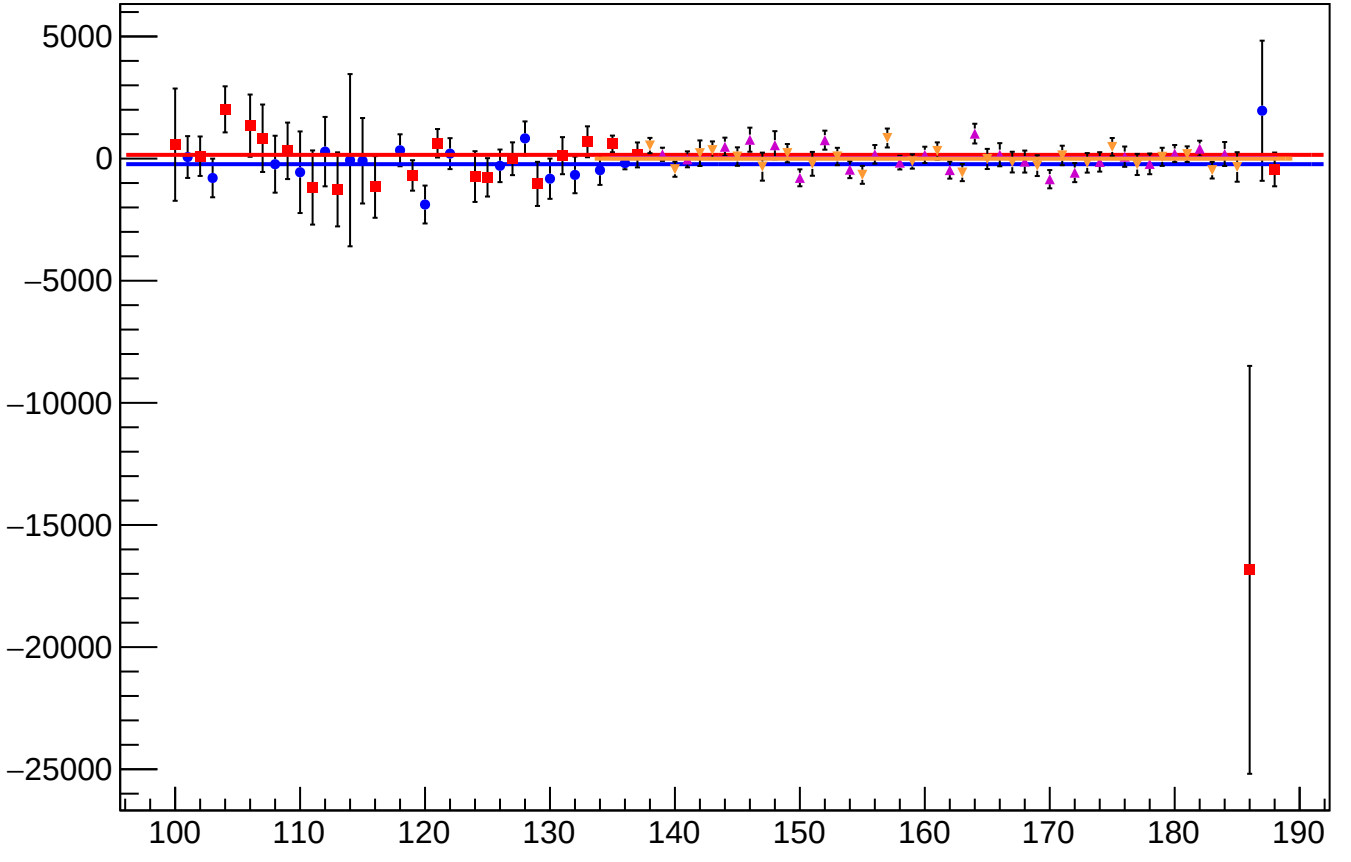
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.743+/-0.011 χ^2/NDF: 990839.1/41

All: 80.205+/-0.008 χ^2/NDF: 2644016.5/85

- sign 80.678+/-0.011 χ^2/NDF: 1649605.0/43

asym_sam1_cor_correction_mean vs Slug



Right In: -228.389+/-163.499 χ^2/NDF: 10.5/16

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 153.188+/-165.495 χ^2/NDF: 21.5/20

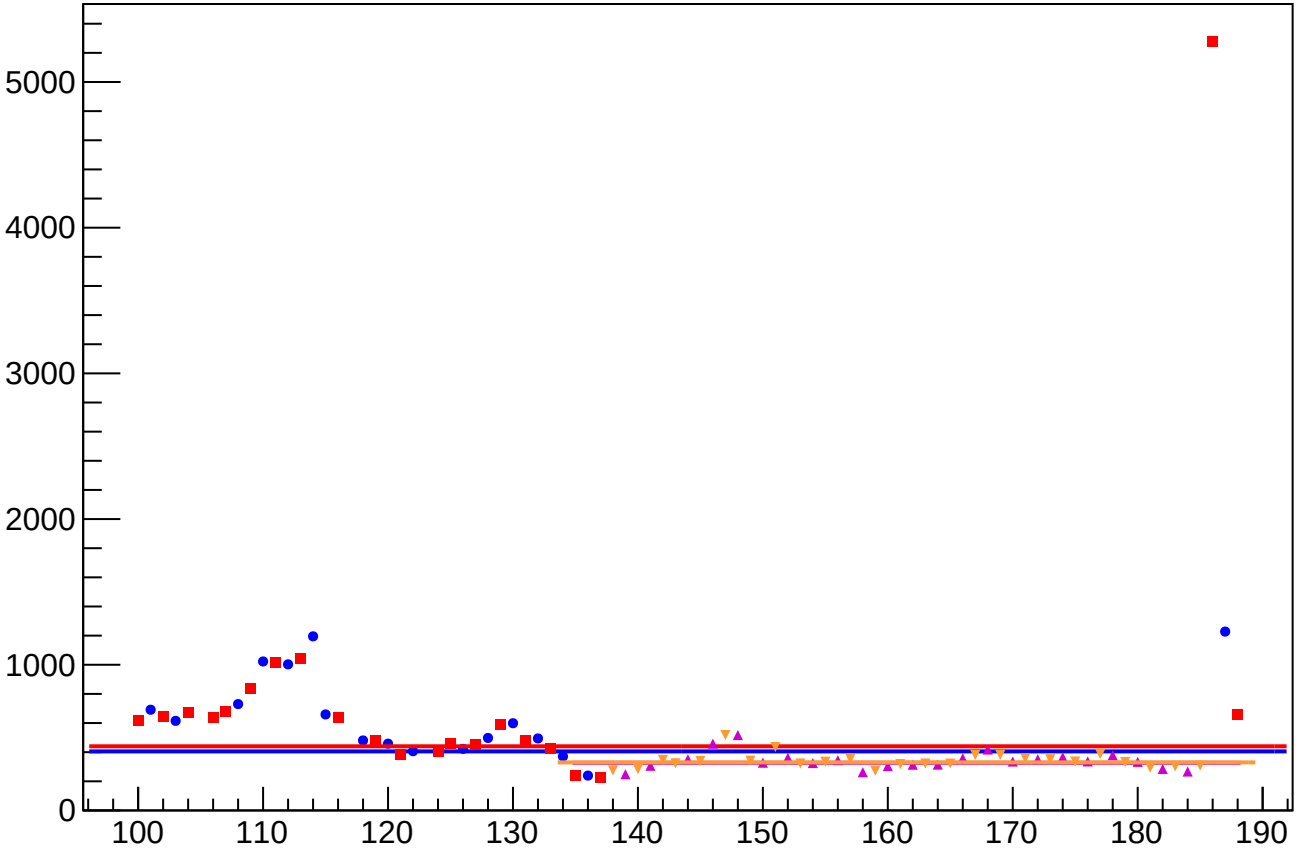
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -43.318+/-68.816 χ^2/NDF: 36.1/41

All: -0.830+/-49.148 χ^2/NDF: 94.0/85

- sign 43.405+/-70.216 χ^2/NDF: 57.1/43

asym_sam1_cor_correction_rms vs Slug



Right In: 405.338+/-0.116 χ^2/NDF: 2524939.7/16

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 440.441+/-0.117 χ^2/NDF: 3232426.6/20

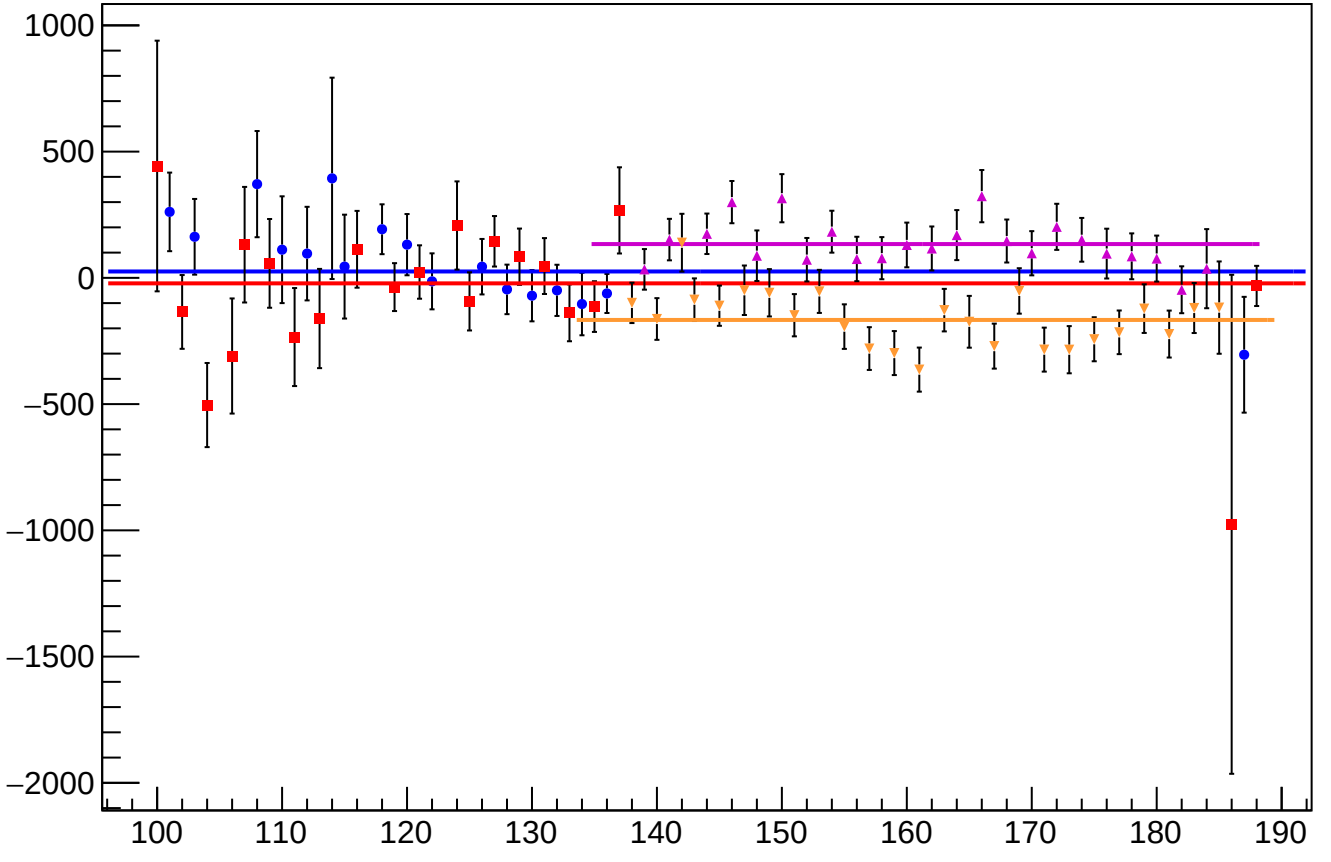
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 343.320+/-0.049 χ^2/NDF: 3533906.6/41

All: 345.314+/-0.035 χ^2/NDF: 8440148.0/85

- sign 347.390+/-0.050 χ^2/NDF: 4902812.8/43

eigen_cor_asym_sam1_mean vs Slug



Right In: 25.316+/-30.513 χ^2/NDF: 17.2/16

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -21.777+/-28.920 χ^2/NDF: 26.7/20

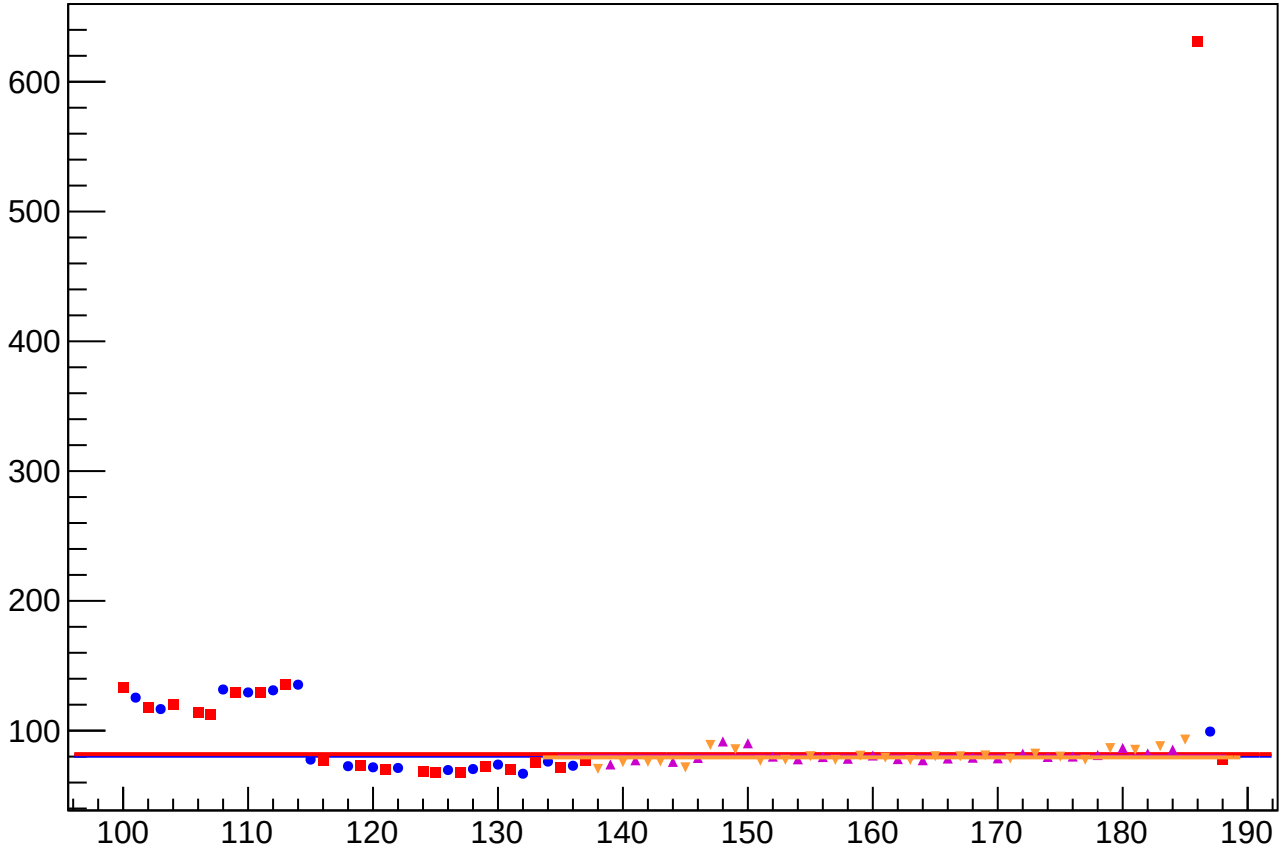
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -116.787+/-15.554 χ^2/NDF: 78.1/41

All: -15.700+/-11.062 χ^2/NDF: 231.4/85

- sign 87.774+/-15.736 χ^2/NDF: 67.8/43

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.689+/-0.022 χ^2/NDF: 853442.2/16

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

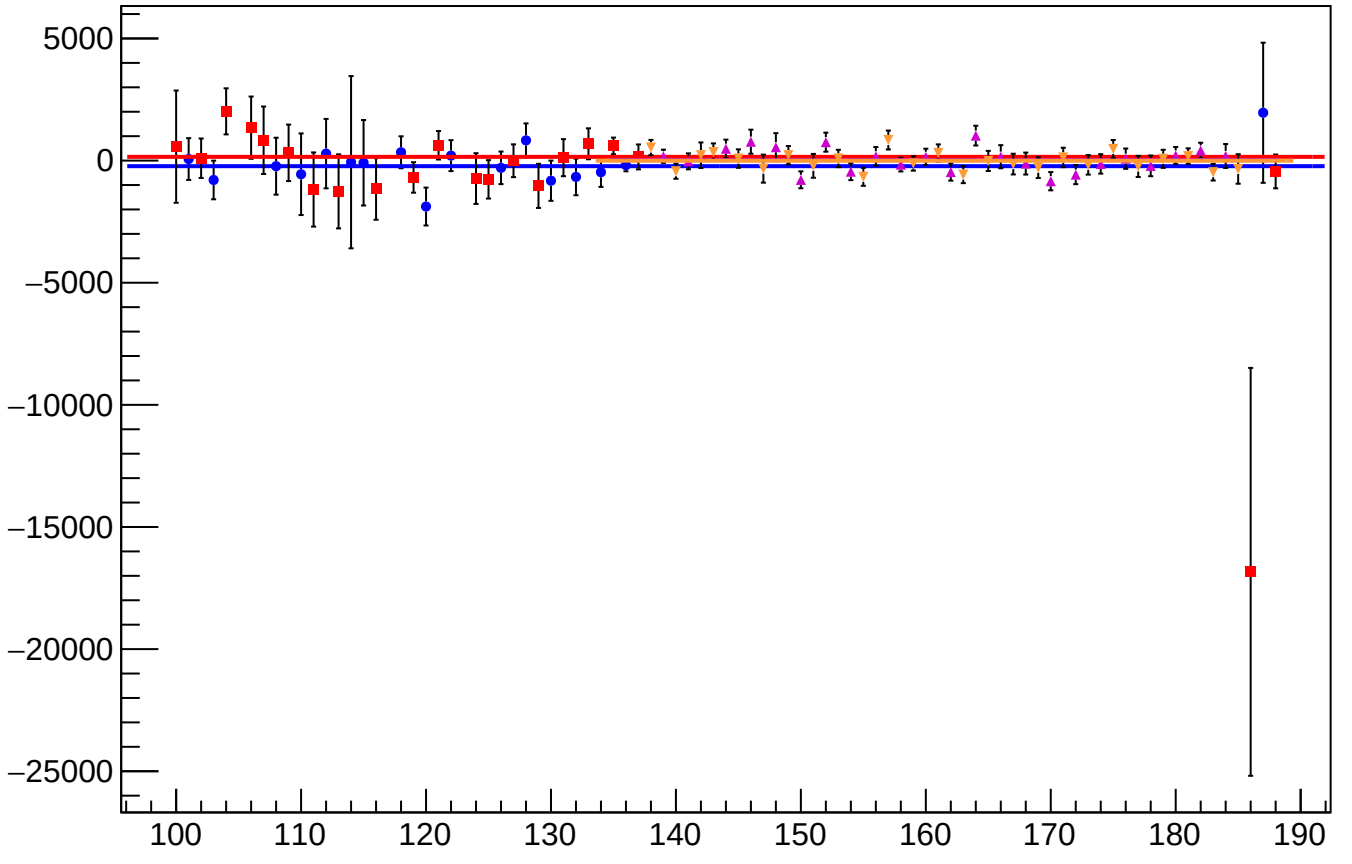
Right Out: 81.909+/-0.020 χ^2/NDF: 1552989.8/20

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.743+/-0.011 χ^2/NDF: 990839.1/41

All: 80.205+/-0.008 χ^2/NDF: 2644016.5/85

- sign 80.678+/-0.011 χ^2/NDF: 1649605.0/43



Right In: -228.389+/-163.499 χ^2/NDF: 10.5/16

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 153.188+/-165.495 χ^2/NDF: 21.5/20

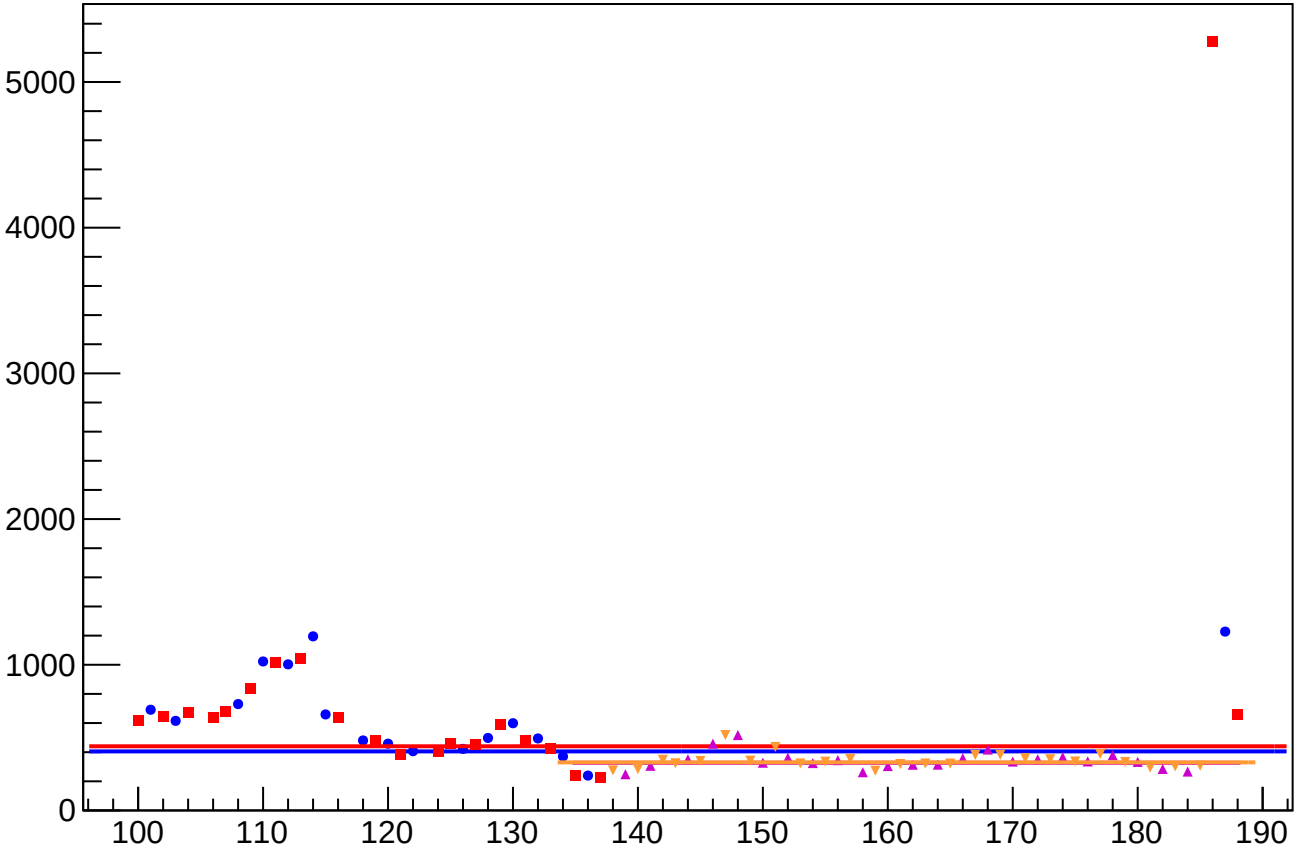
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -43.318+/-68.816 χ^2/NDF: 36.1/41

All: -0.830+/-49.148 χ^2/NDF: 94.0/85

- sign 43.405+/-70.216 χ^2/NDF: 57.1/43

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 405.338+/-0.116 χ^2/NDF: 2524939.7/16

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 440.441+/-0.117 χ^2/NDF: 3232426.6/20

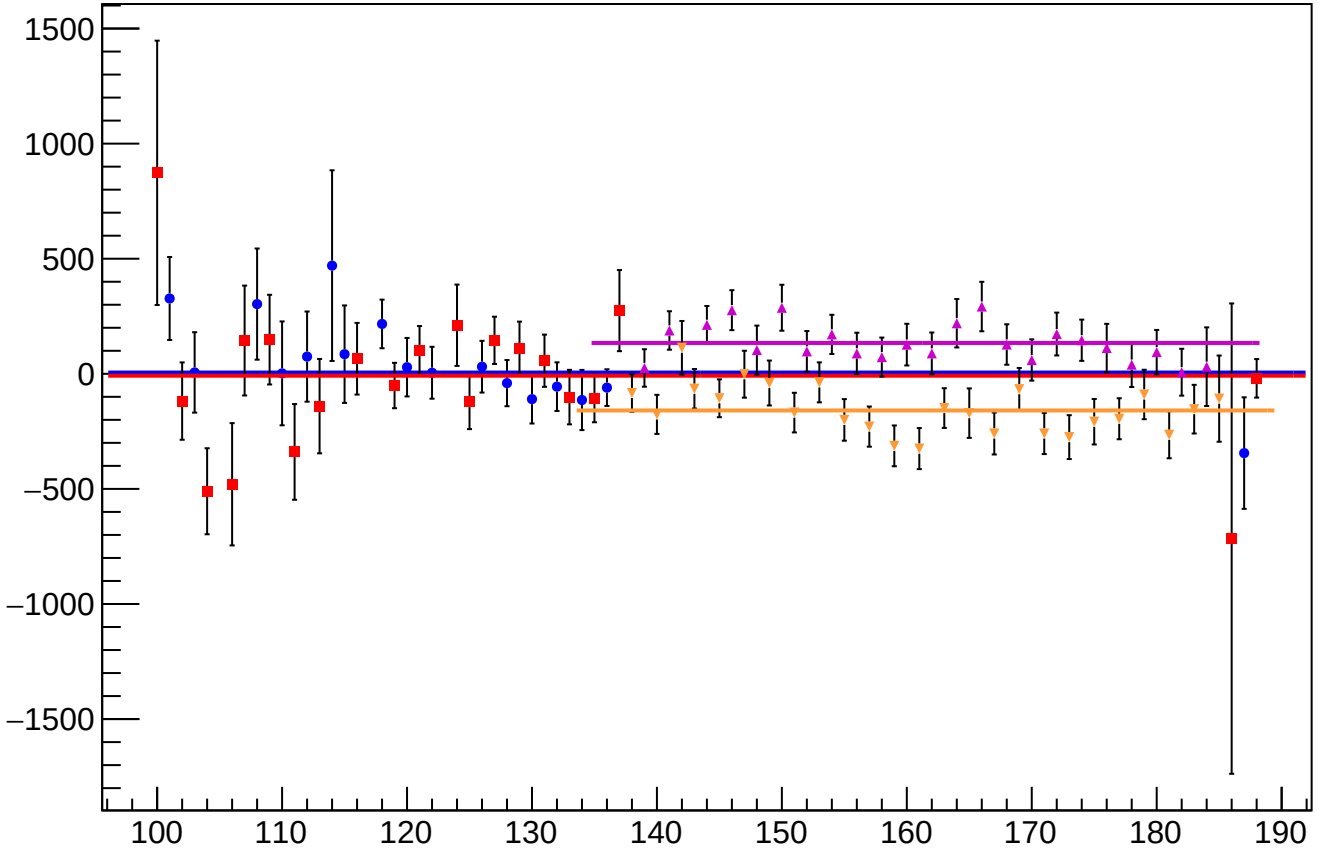
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 343.320+/-0.049 χ^2/NDF: 3533906.6/41

All: 345.314+/-0.035 χ^2/NDF: 8440148.0/85

- sign 347.390+/-0.050 χ^2/NDF: 4902812.8/43

dit_asym_sam1_mean vs Slug



Right In: 5.437+/-32.014 χ^2/NDF: 15.6/16

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -8.248+/-30.238 χ^2/NDF: 29.3/20

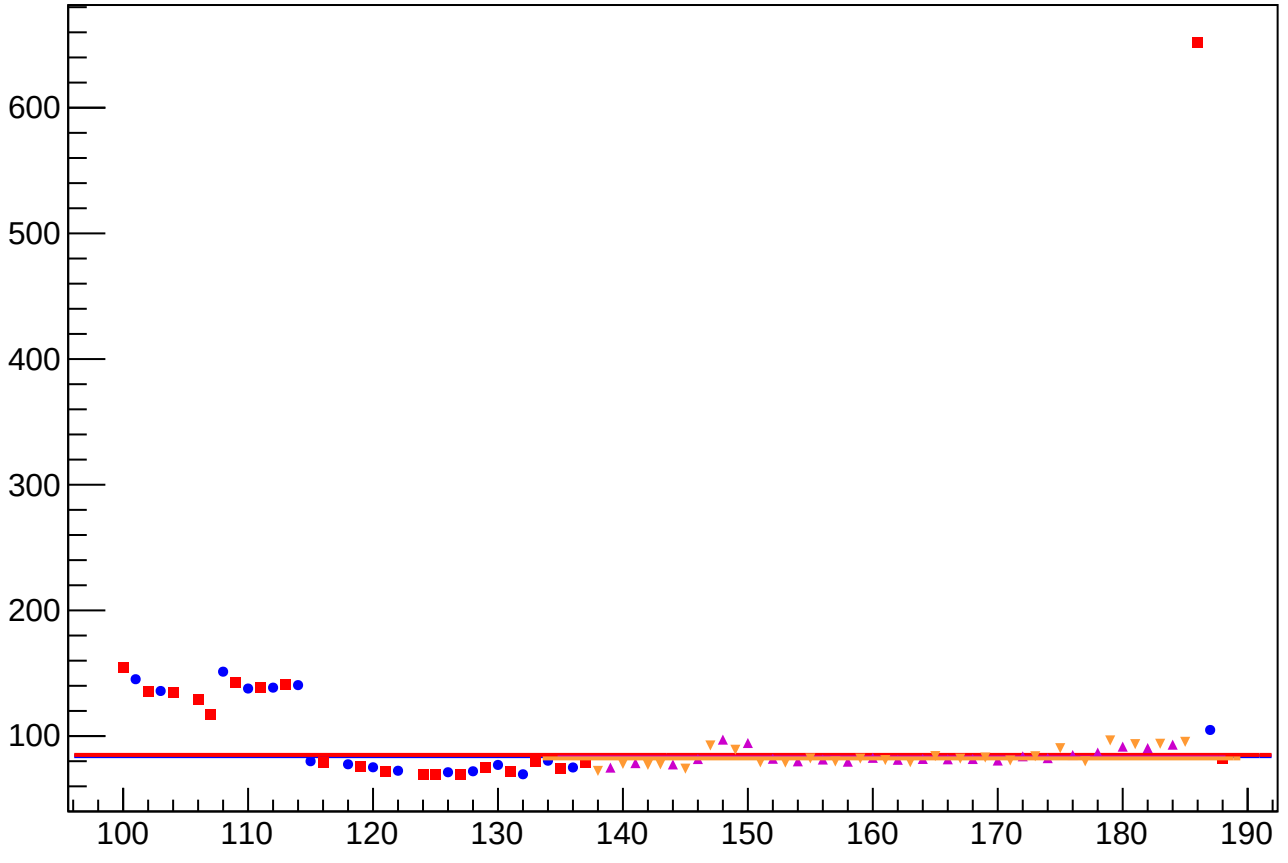
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -117.169+/-16.179 χ^2/NDF: 63.5/41

All: -13.502+/-11.501 χ^2/NDF: 207.9/85

- sign 92.405+/-16.353 χ^2/NDF: 61.4/43

dit_asym_sam1_rms vs Slug



Right In: 84.027+/-0.023 χ^2/NDF: 1049841.0/16

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 85.024+/-0.021 χ^2/NDF: 1739945.7/20

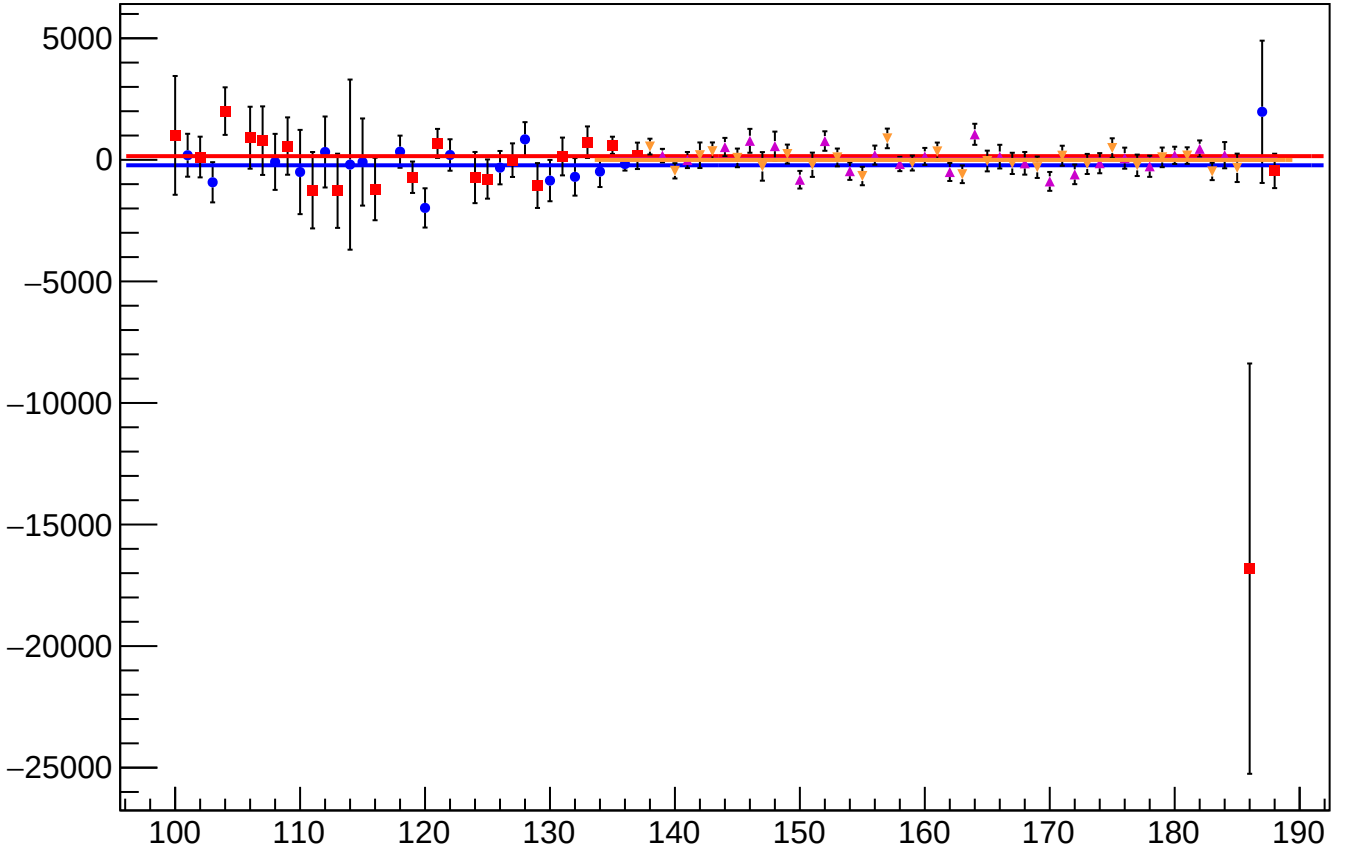
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 82.702+/-0.011 χ^2/NDF: 1270992.6/41

All: 83.140+/-0.008 χ^2/NDF: 3165890.0/85

- sign 83.587+/-0.012 χ^2/NDF: 1891936.3/43

asym_sam1_dit_correction_mean vs Slug



Right In: -223.972+/-169.846 χ^2/NDF: 11.0/16

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 152.151+/-170.839 χ^2/NDF: 20.7/20

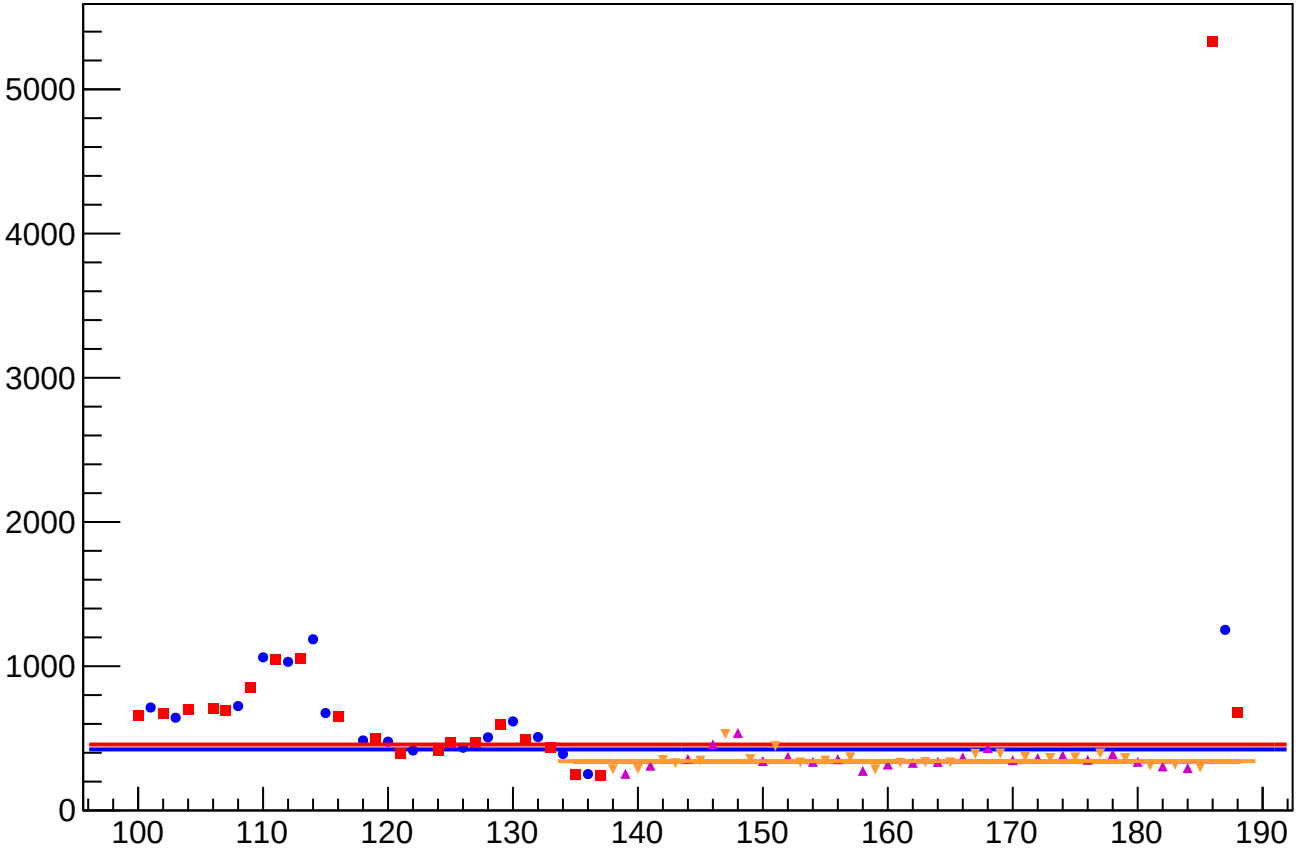
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -42.039+/-71.318 χ^2/NDF: 35.9/41

All: -1.289+/-50.930 χ^2/NDF: 92.7/85

- sign 41.117+/-72.754 χ^2/NDF: 56.2/43

asym_sam1_dit_correction_rms vs Slug



Right In: 423.131+/-0.120 χ^2/NDF: 2415635.6/16

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 457.333+/-0.121 χ^2/NDF: 3183549.8/20

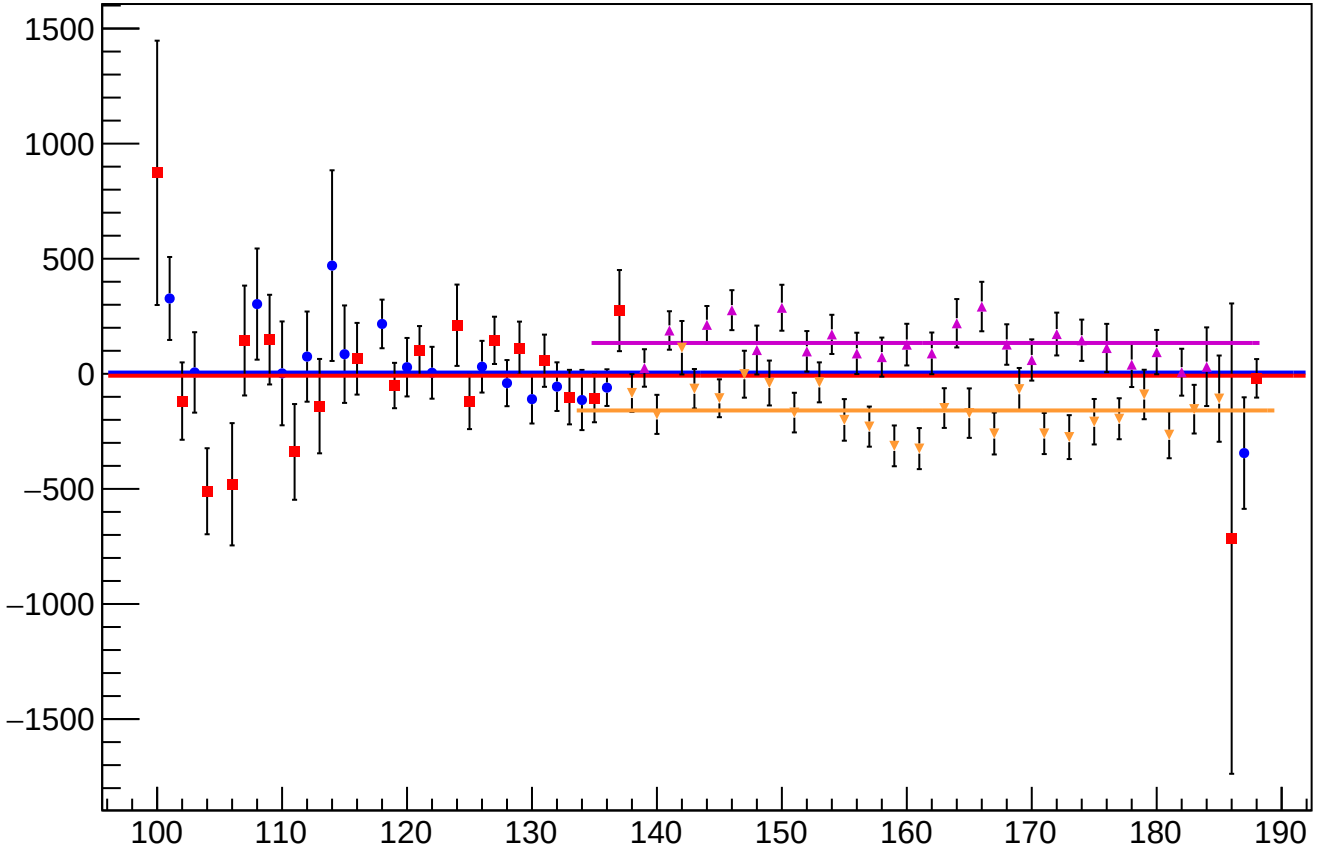
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 356.237+/-0.050 χ^2/NDF: 3446215.6/41

All: 358.479+/-0.036 χ^2/NDF: 8260336.8/85

- sign 360.812+/-0.051 χ^2/NDF: 4810087.6/43

eigen_dit_asym_sam1_mean vs Slug



Right In: 5.438+/-32.014 χ^2/NDF: 15.6/16

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -8.248+/-30.238 χ^2/NDF: 29.3/20

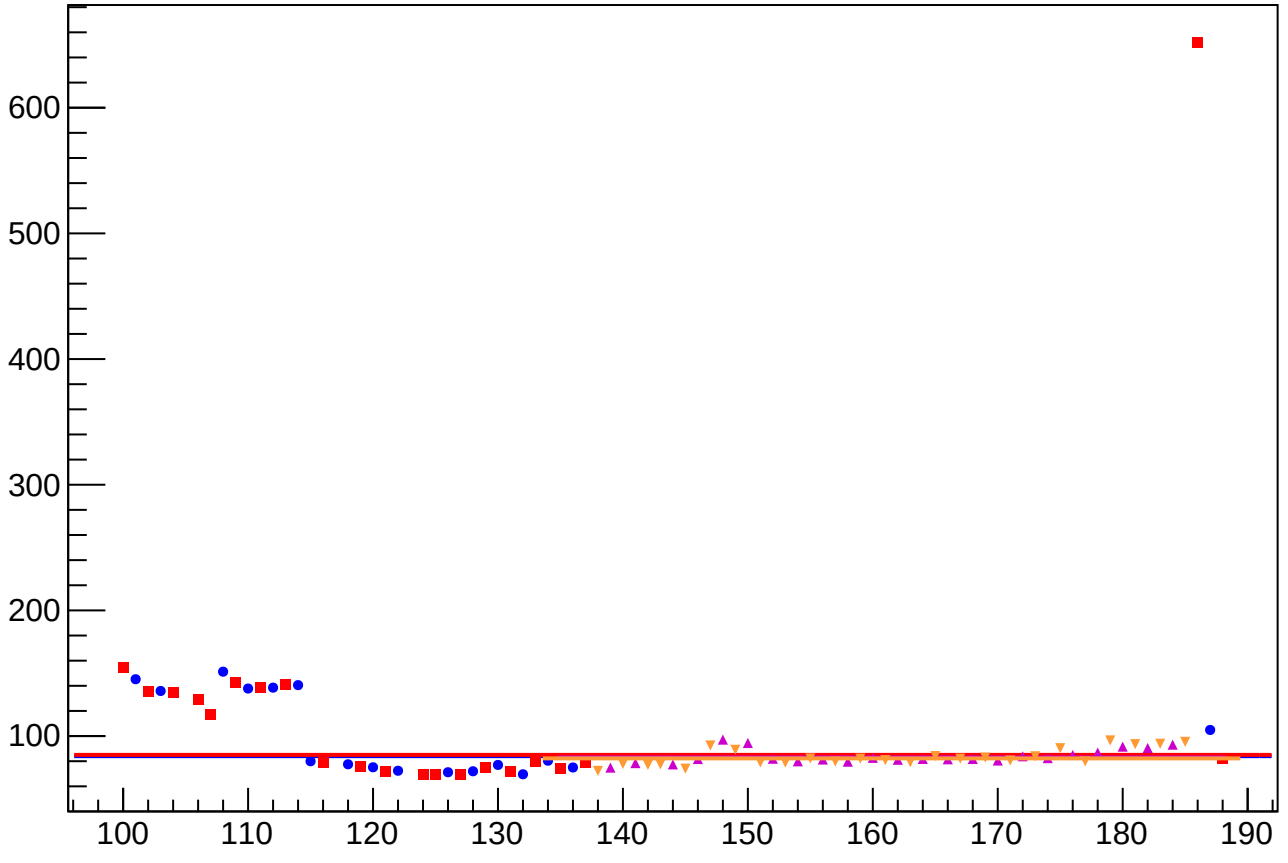
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -117.169+/-16.179 χ^2/NDF: 63.5/41

All: -13.502+/-11.501 χ^2/NDF: 207.9/85

- sign 92.405+/-16.353 χ^2/NDF: 61.4/43

eigen_dit_asym_sam1_rms vs Slug



Right In: 84.027+/-0.023 χ^2/NDF: 1049840.4/16

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 85.024+/-0.021 χ^2/NDF: 1739945.0/20

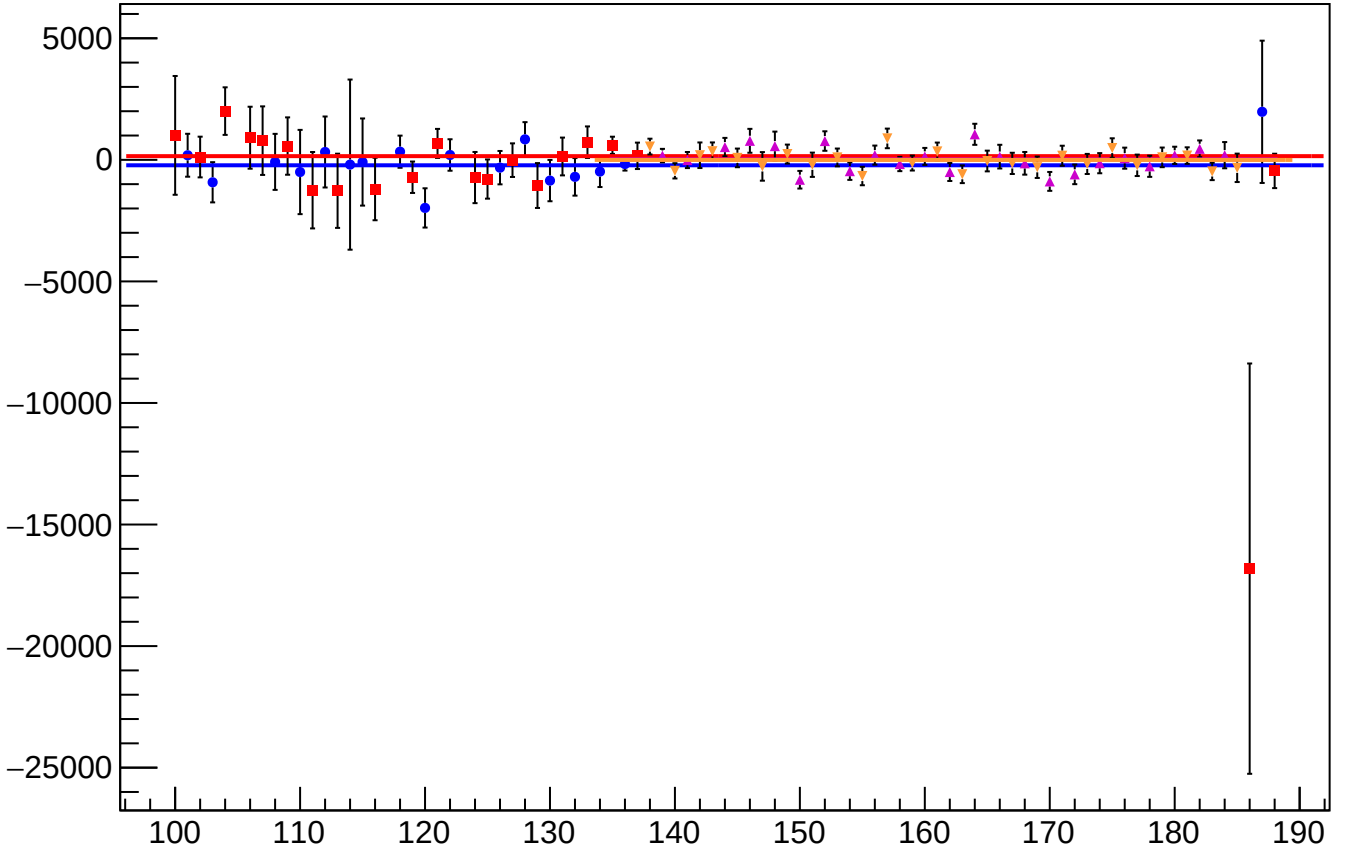
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 82.702+/-0.011 χ^2/NDF: 1270991.9/41

All: 83.140+/-0.008 χ^2/NDF: 3165886.7/85

- sign 83.587+/-0.012 χ^2/NDF: 1891933.7/43

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -223.970+/-169.846 χ^2/NDF: 11.0/16

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 152.151+/-170.839 χ^2/NDF: 20.7/20

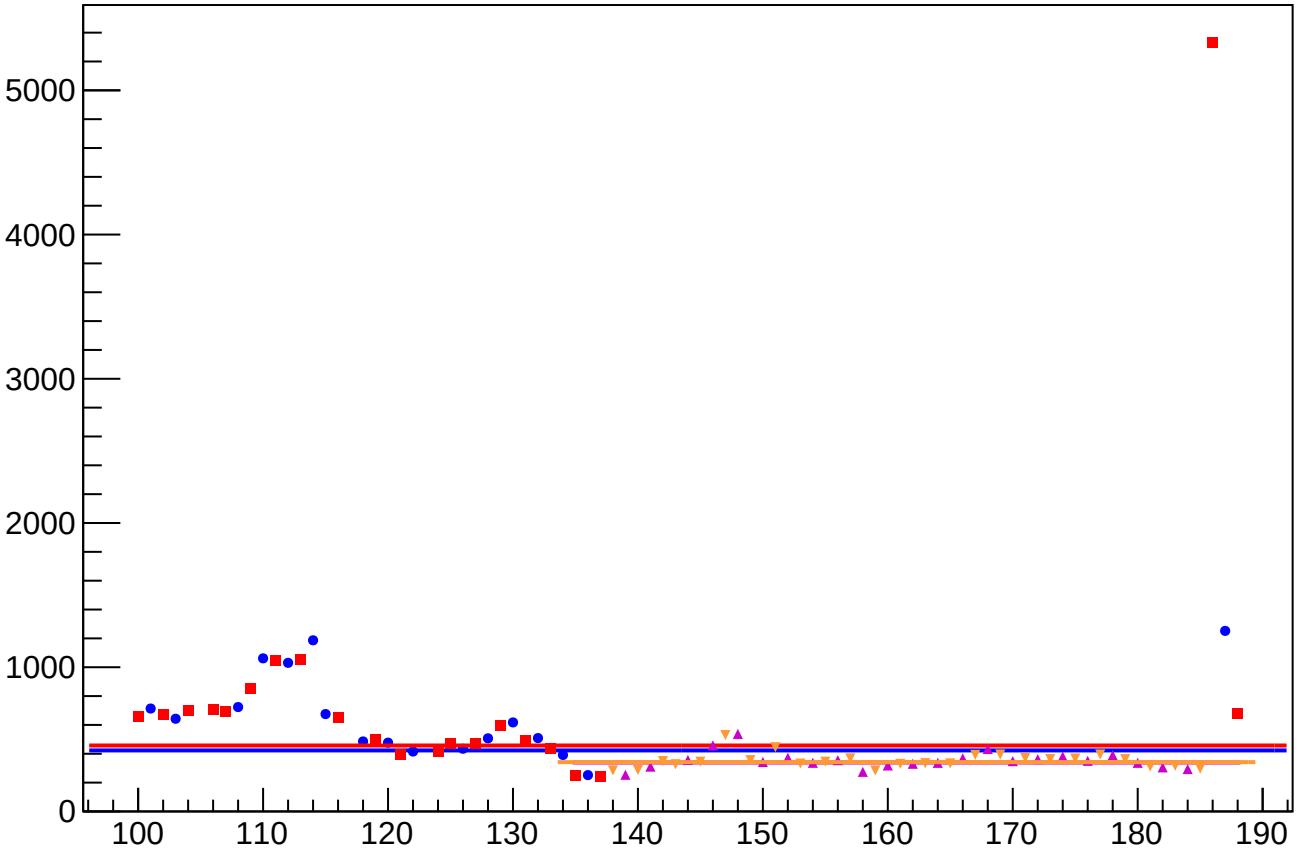
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -42.038+/-71.318 χ^2/NDF: 35.9/41

All: -1.289+/-50.930 χ^2/NDF: 92.7/85

- sign 41.117+/-72.754 χ^2/NDF: 56.2/43

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 423.131+/-0.120 χ^2/NDF: 2415640.6/16

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 457.332+/-0.121 χ^2/NDF: 3183556.5/20

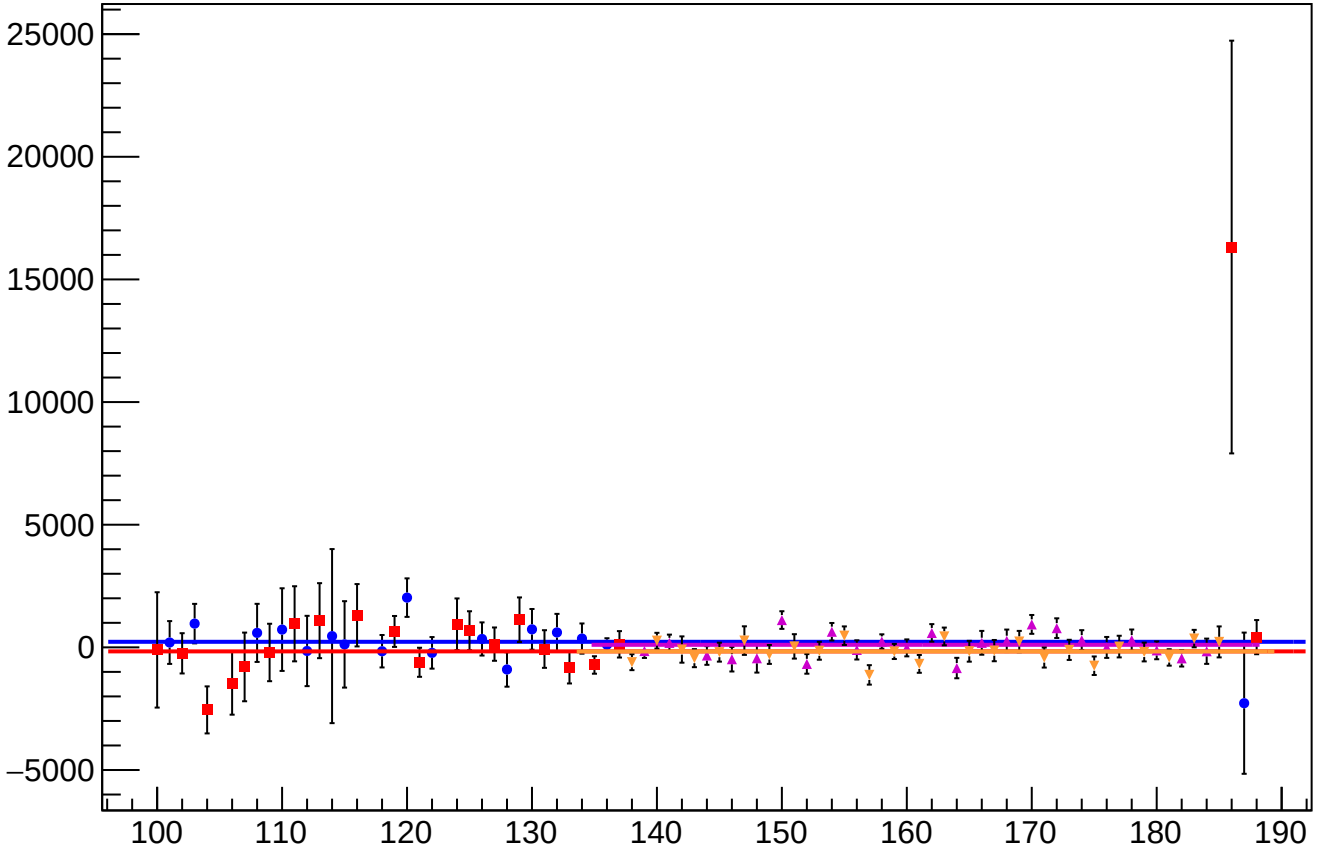
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 356.237+/-0.050 χ^2/NDF: 3446217.8/41

All: 358.479+/-0.036 χ^2/NDF: 8260340.9/85

- sign 360.812+/-0.051 χ^2/NDF: 4810089.6/43

asym_sam1_mean vs Slug



Right In: 226.507+/-167.912 χ^2/NDF: 11.5/16

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -164.252+/-169.427 χ^2/NDF: 25.0/20

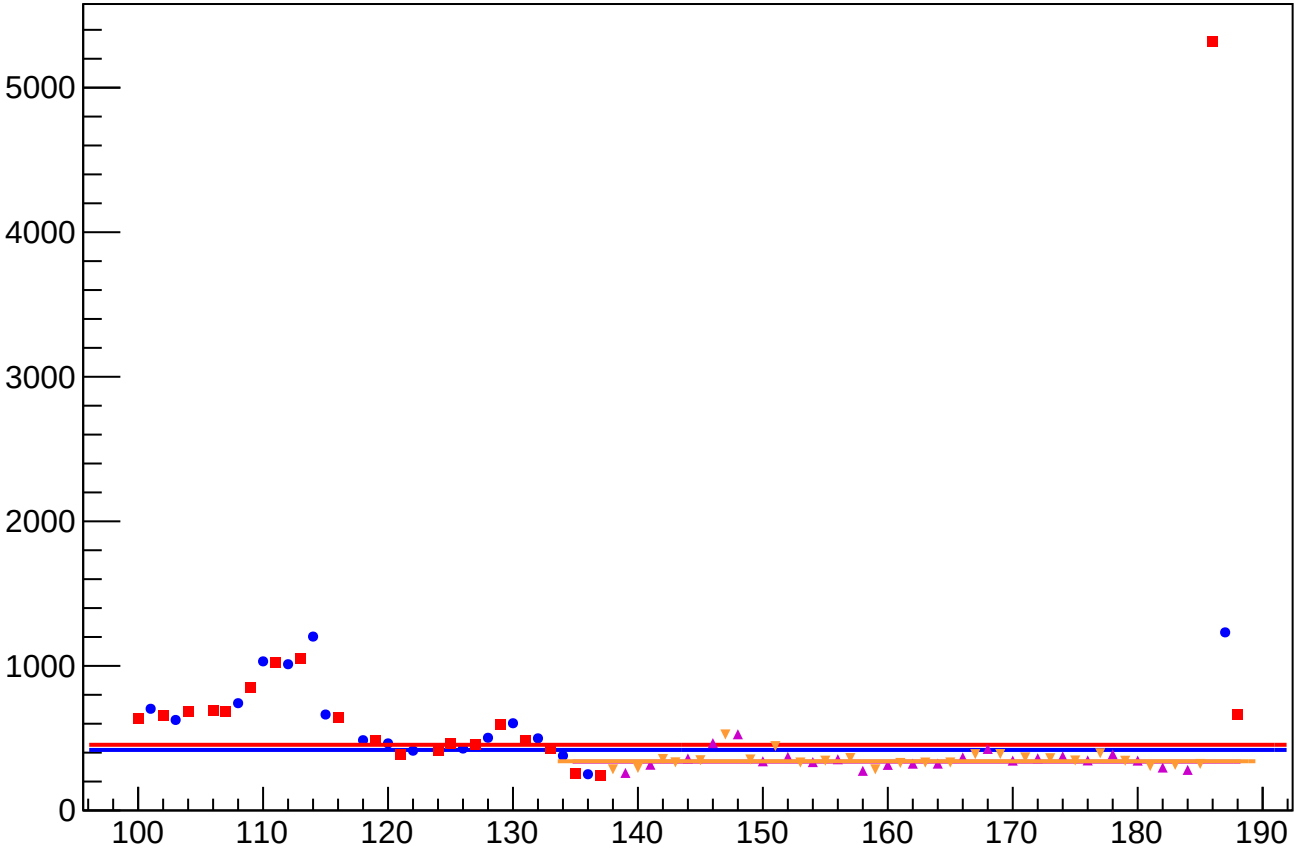
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -97.206+/-70.874 χ^2/NDF: 41.5/41

All: -22.604+/-50.625 χ^2/NDF: 108.3/85

- sign 55.113+/-72.338 χ^2/NDF: 64.5/43

asym_sam1_rms vs Slug



Right In: 418.617+/-0.119 χ^2/NDF: 2384158.9/16

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 454.237+/-0.120 χ^2/NDF: 3104900.0/20

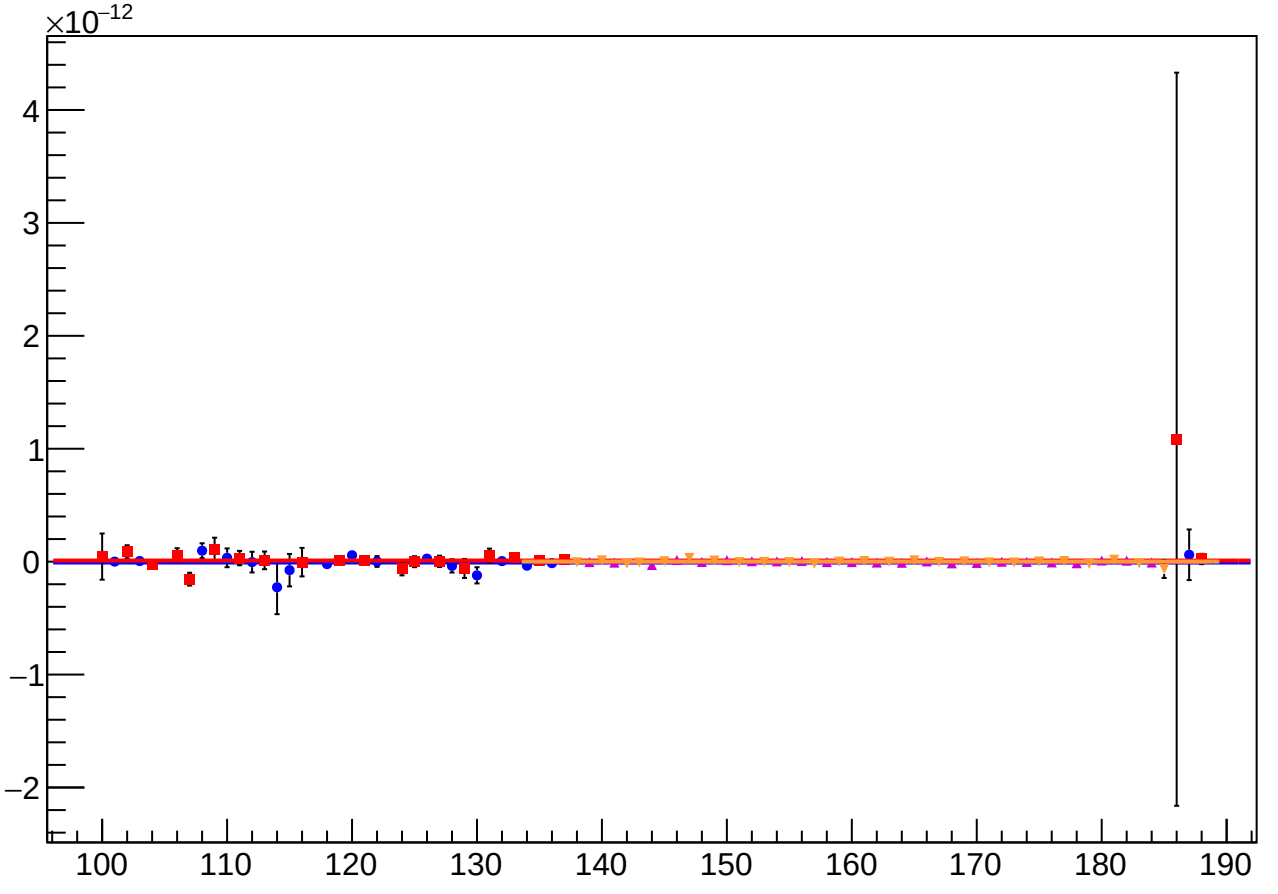
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 354.328+/-0.050 χ^2/NDF: 3345052.2/41

All: 356.612+/-0.036 χ^2/NDF: 8047828.1/85

- sign 358.992+/-0.051 χ^2/NDF: 4698533.7/43

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

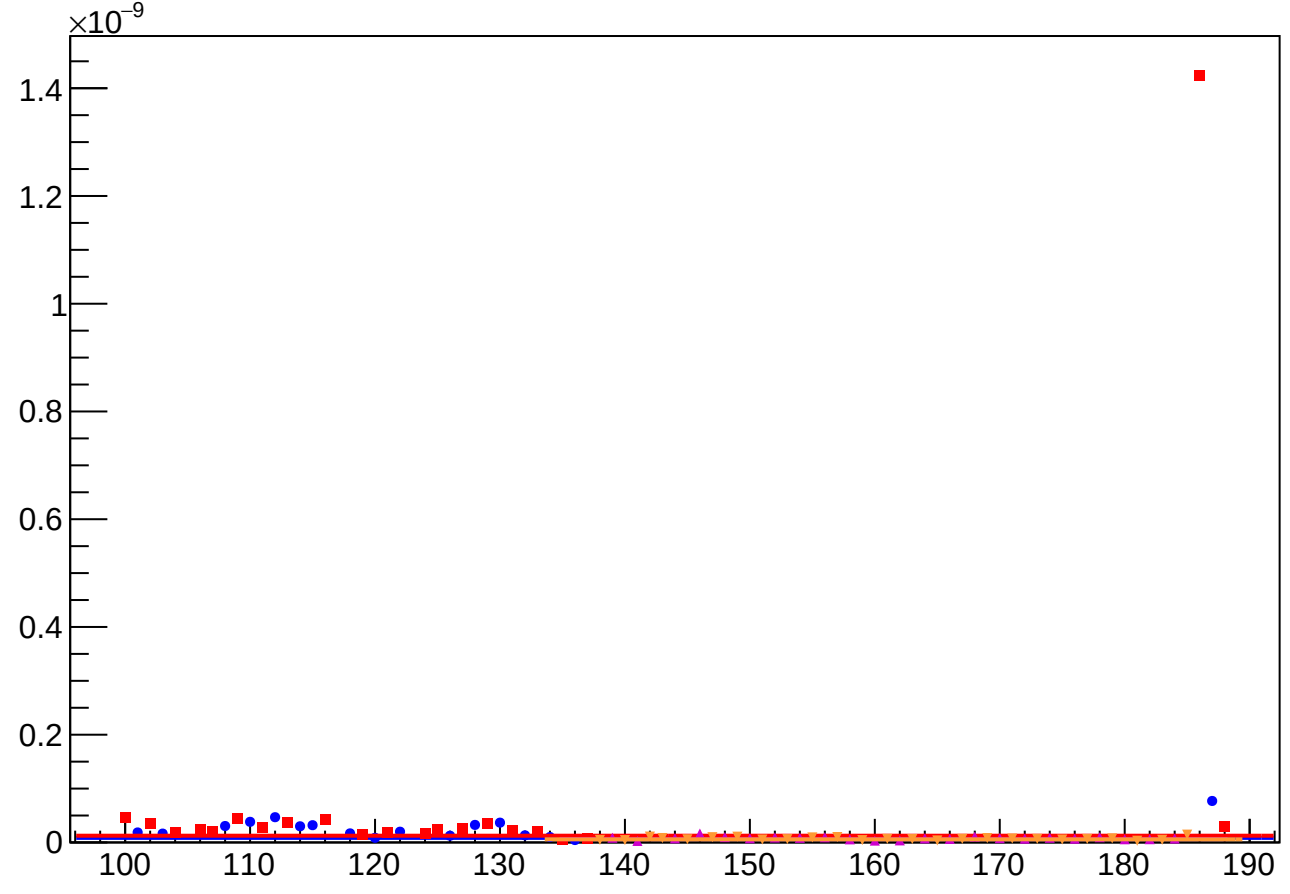
Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/20

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/41

All: -0.000+/-0.000 χ^2/NDF: 64.4/85

- sign -0.000+/-0.000 χ^2/NDF: 31.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 2943133.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3425042.7/20

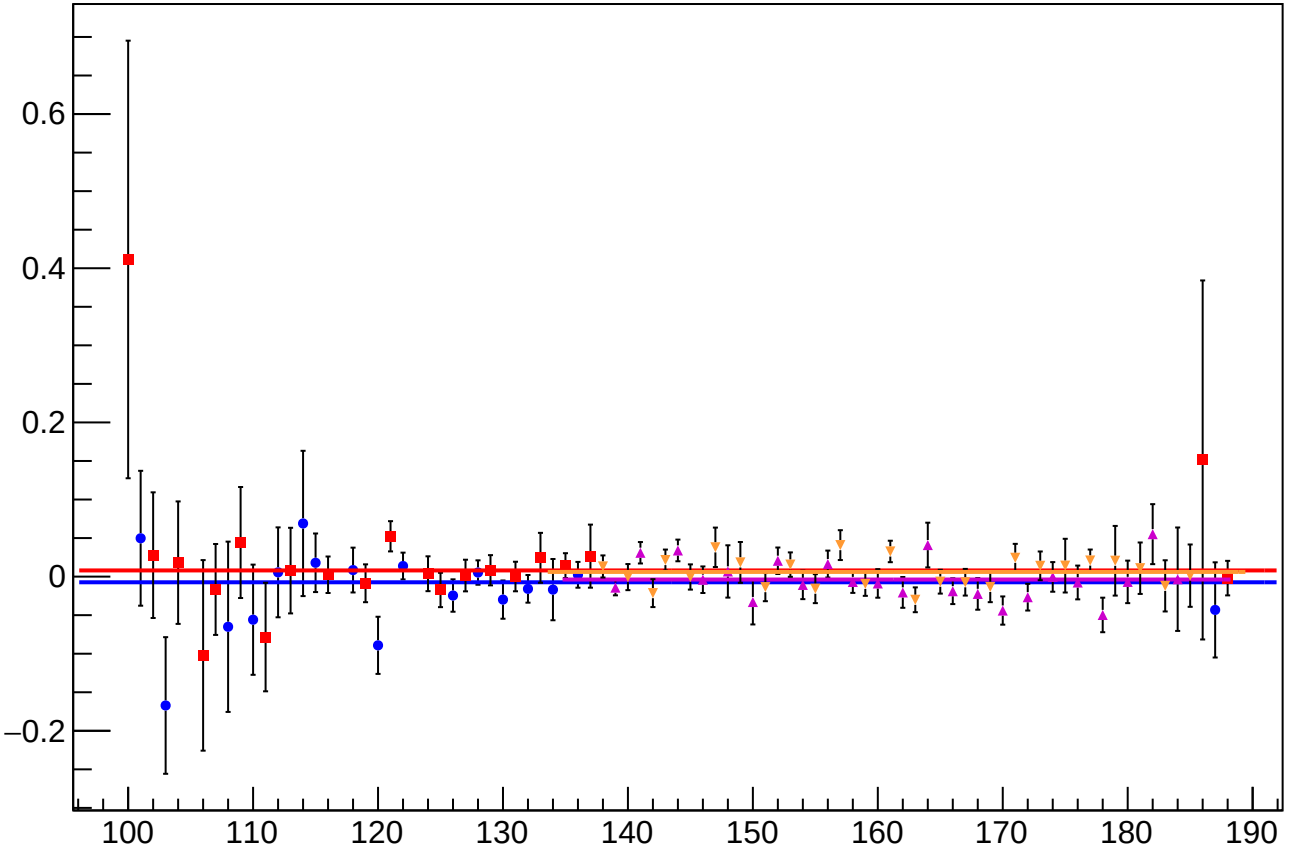
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 4433416.3/41

All: 0.000+/-0.000 χ^2/NDF: 11022824.3/85

- sign 0.000+/-0.000 χ^2/NDF: 6502166.9/43

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.008+/-0.006 χ^2/NDF: 13.2/20

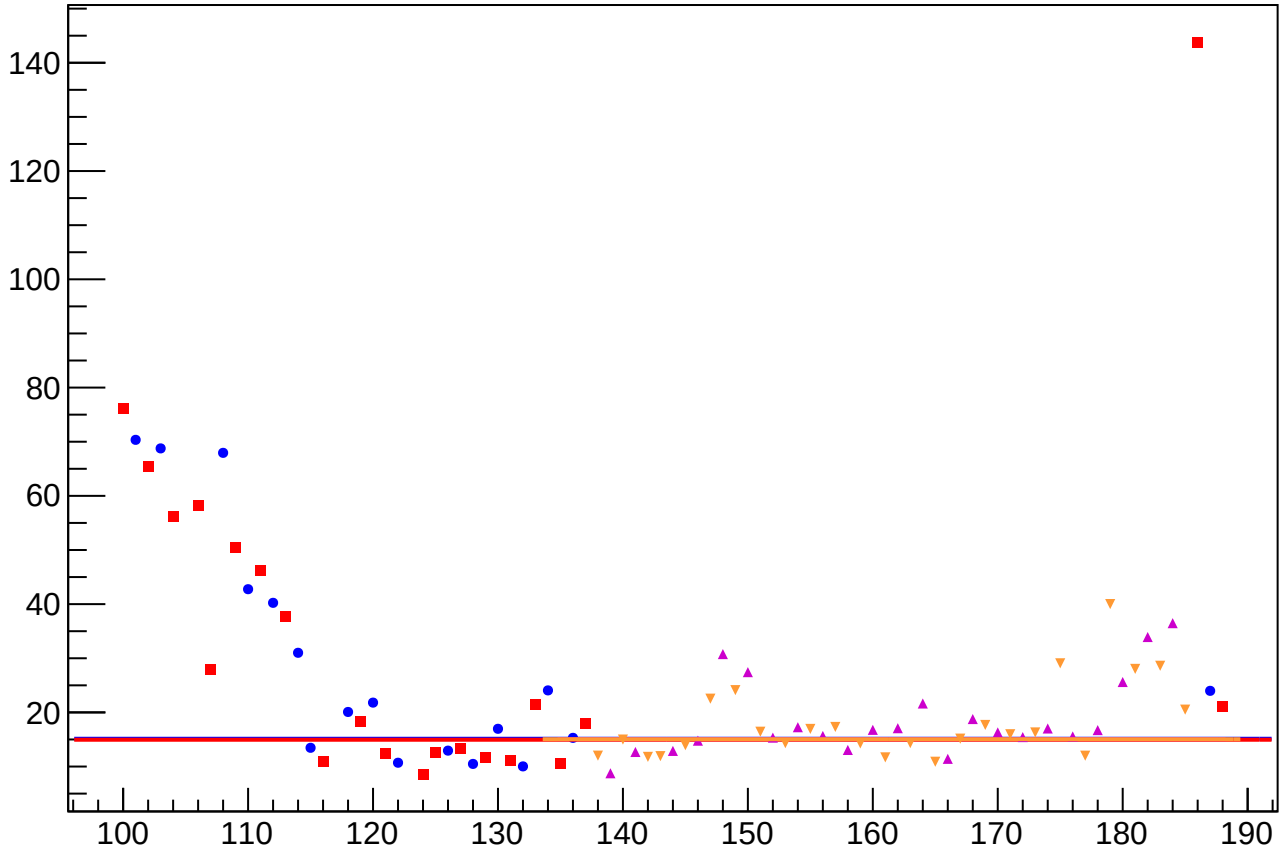
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/41

All: 0.001+/-0.002 χ^2/NDF: 98.6/85

- sign -0.000+/-0.003 χ^2/NDF: 53.0/43

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.131+/-0.005 χ^2/NDF: 3479889.7/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 14.951+/-0.004 χ^2/NDF: 4412927.8/20

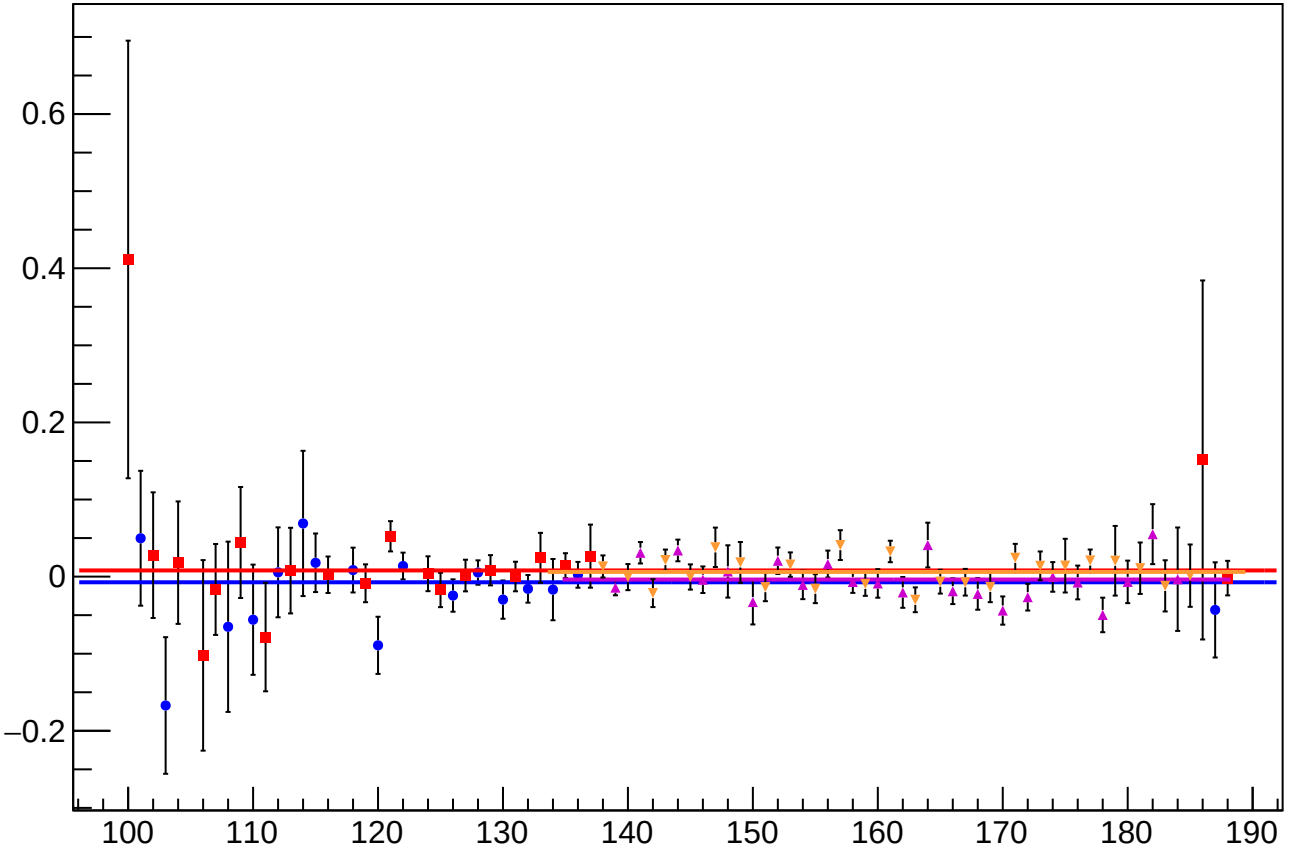
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.066+/-0.002 χ^2/NDF: 6238210.2/41

All: 15.050+/-0.002 χ^2/NDF: 13718344.3/85

\- sign 15.035+/-0.002 χ^2/NDF: 7480041.2/43

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.008+/-0.006 χ^2/NDF: 13.2/20

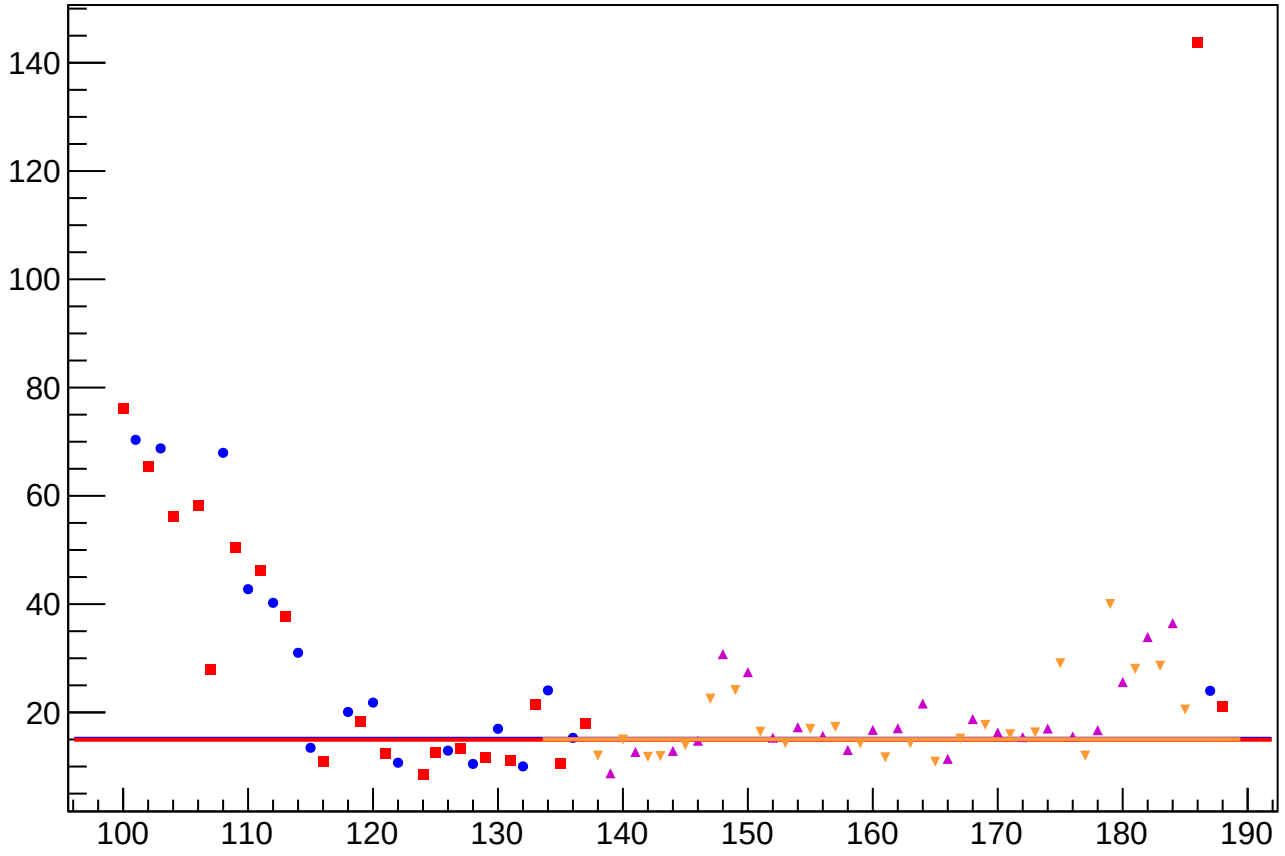
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/41

All: 0.001+/-0.002 χ^2/NDF: 98.6/85

- sign -0.000+/-0.003 χ^2/NDF: 53.0/43

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.131+/-0.005 χ^2/NDF: 3479889.7/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

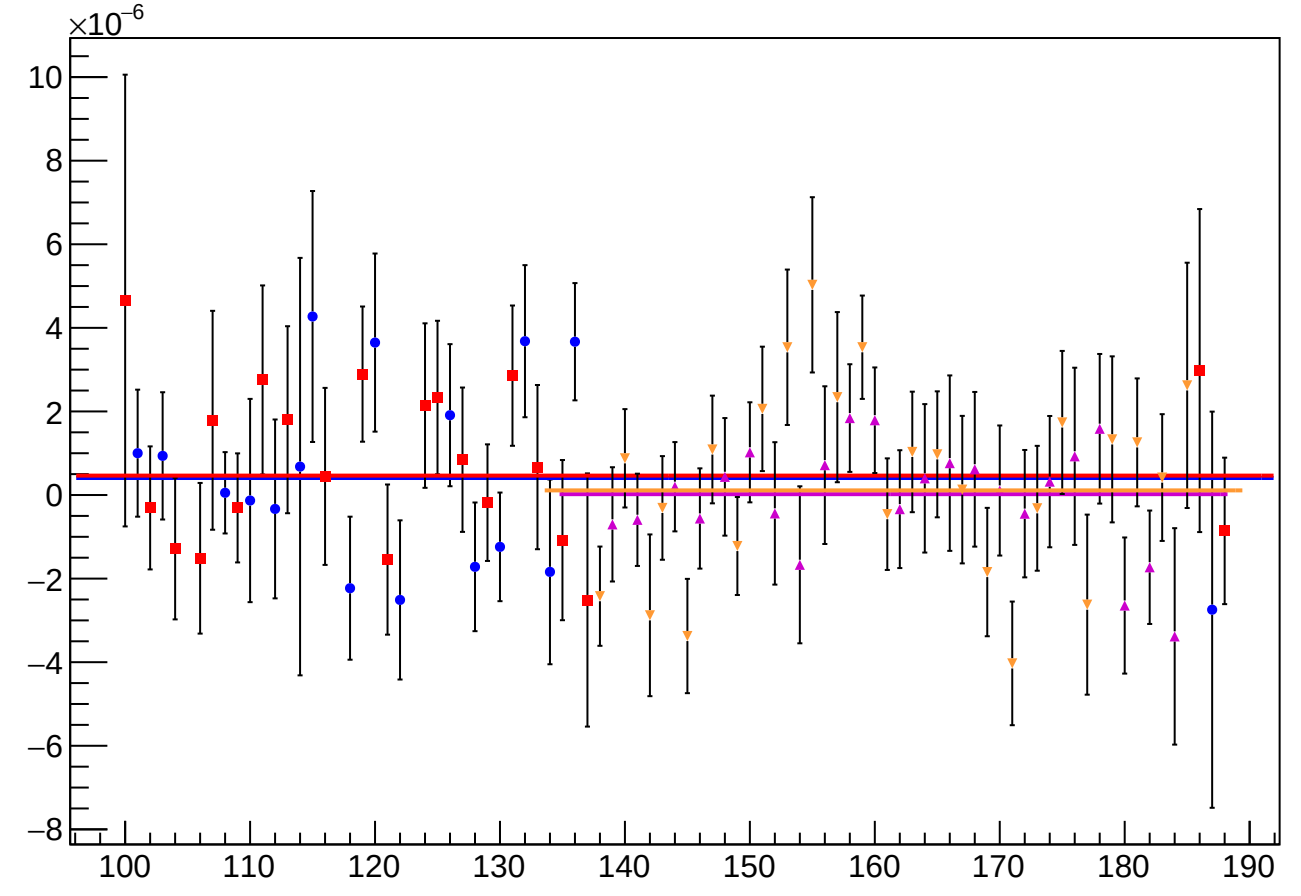
Right Out: 14.951+/-0.004 χ^2/NDF: 4412927.8/20

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.066+/-0.002 χ^2/NDF: 6238210.2/41

All: 15.050+/-0.002 χ^2/NDF: 13718344.3/85

- sign 15.035+/-0.002 χ^2/NDF: 7480041.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/20

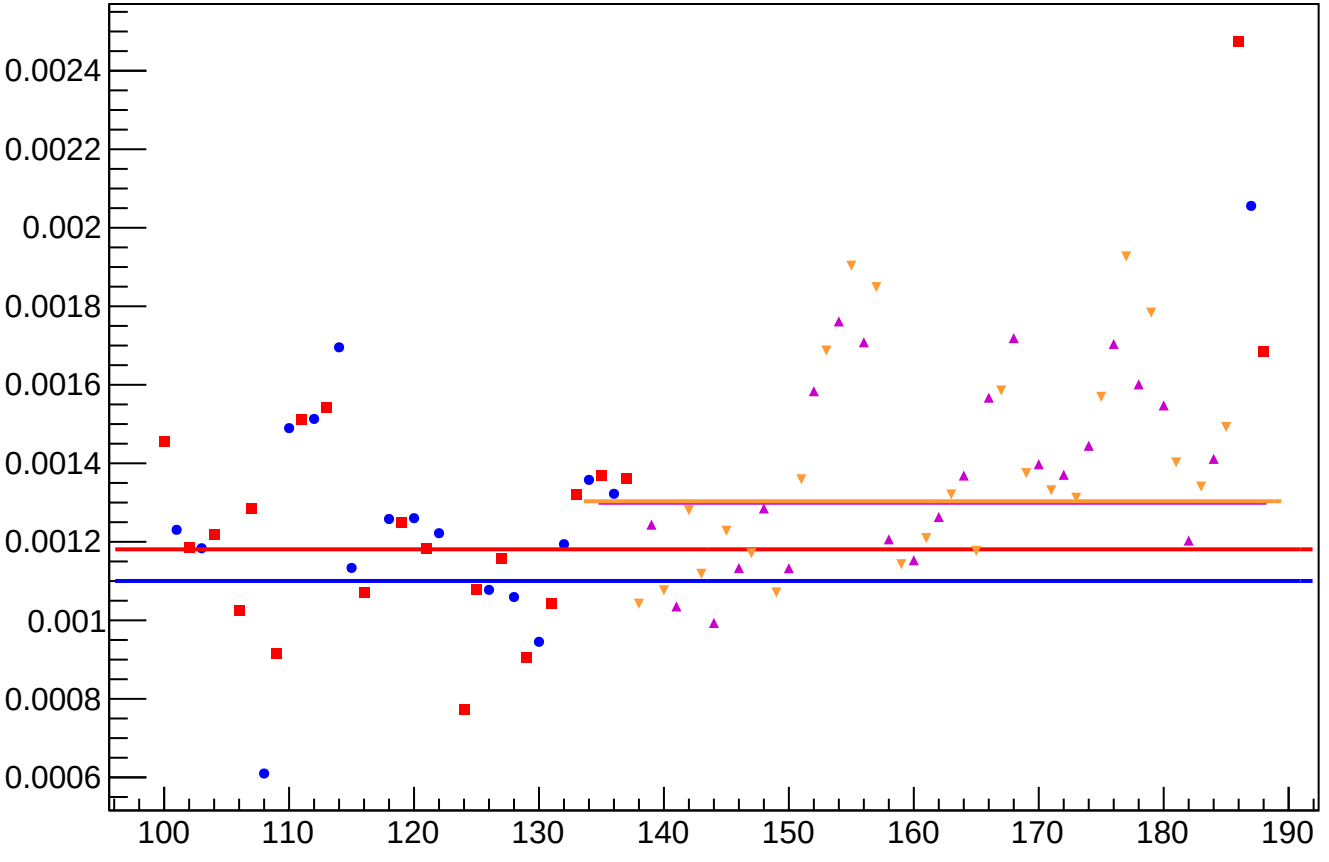
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.0/41

All: 0.000+/-0.000 χ^2/NDF: 104.2/85

- sign 0.000+/-0.000 χ^2/NDF: 30.2/43

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 913743.3/16

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 818987.3/20

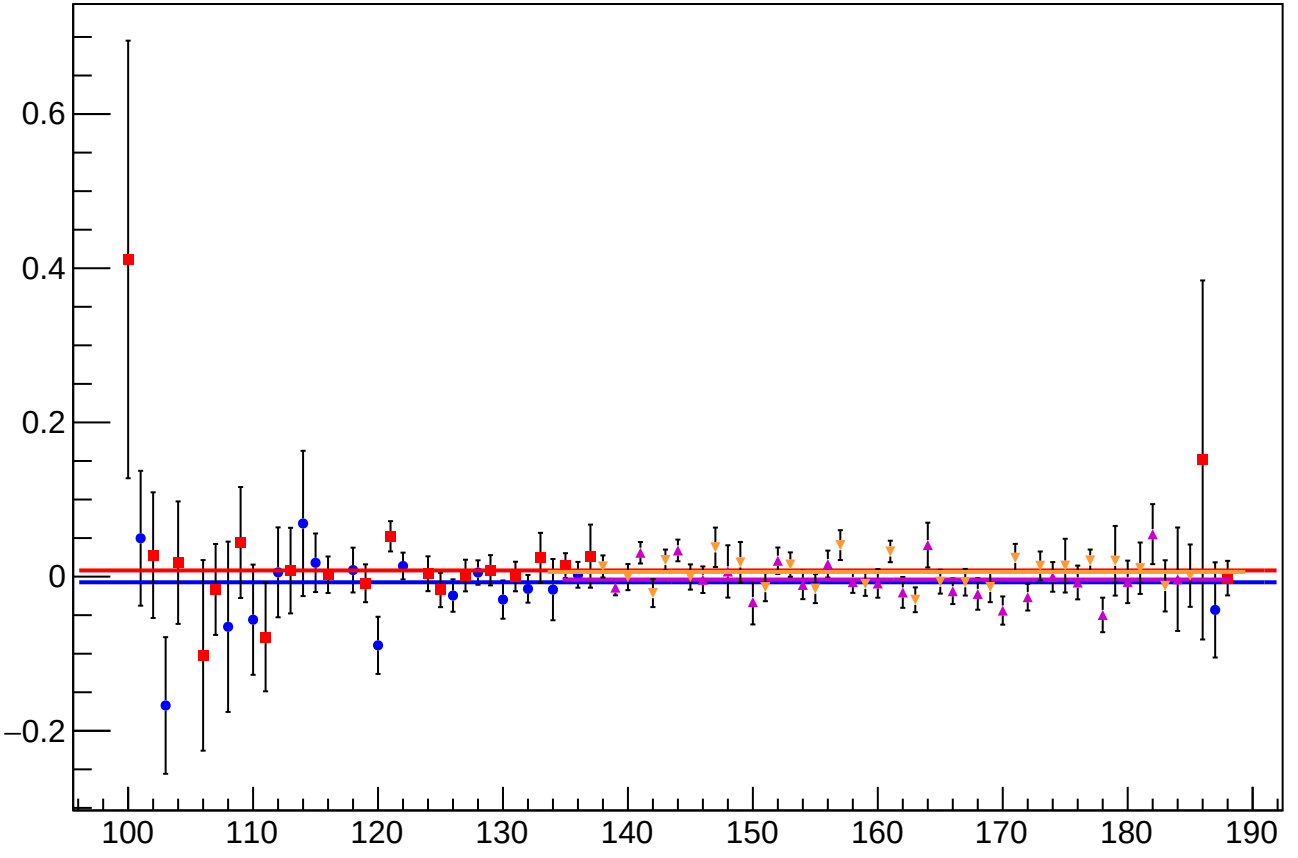
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 2405424.2/41

All: 0.001+/-0.000 χ^2/NDF: 4366162.4/85

- sign 0.001+/-0.000 χ^2/NDF: 1952358.7/43

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.008+/-0.006 χ^2/NDF: 13.2/20

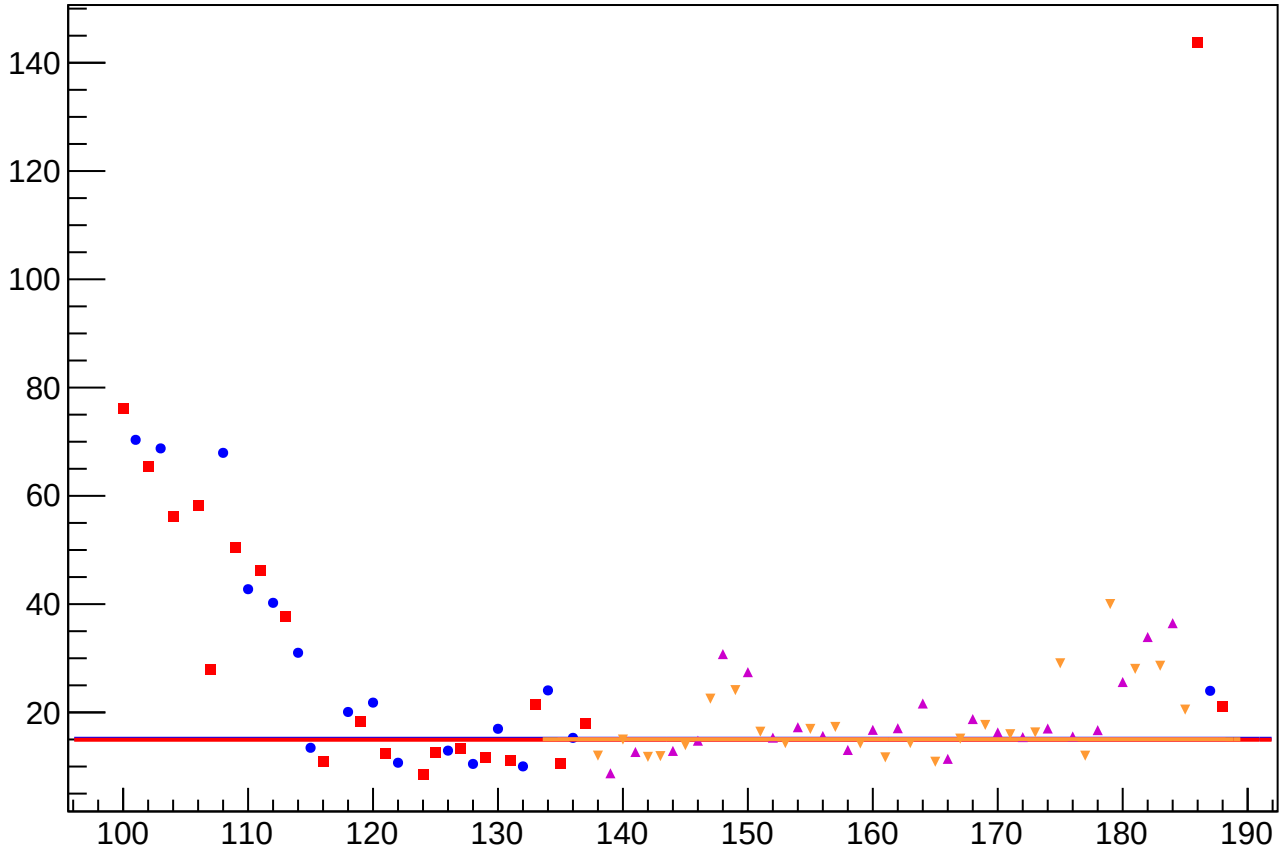
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/41

All: 0.001+/-0.002 χ^2/NDF: 98.6/85

- sign -0.000+/-0.003 χ^2/NDF: 53.0/43

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.131+/-0.005 χ^2/NDF: 3479919.6/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

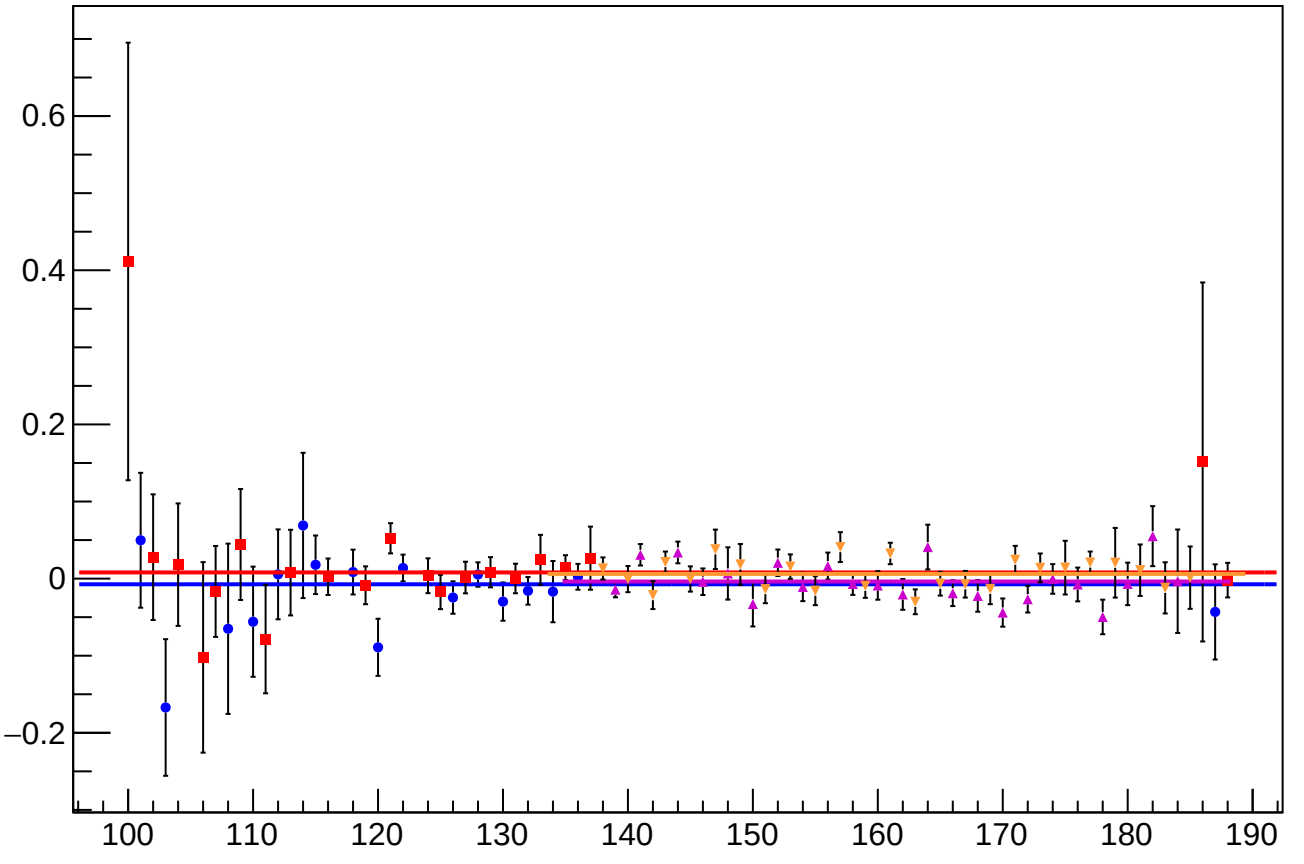
Right Out: 14.950+/-0.004 χ^2/NDF: 4412918.1/20

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.066+/-0.002 χ^2/NDF: 6238450.1/41

All: 15.050+/-0.002 χ^2/NDF: 13718617.3/85

- sign 15.034+/-0.002 χ^2/NDF: 7480074.8/43



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

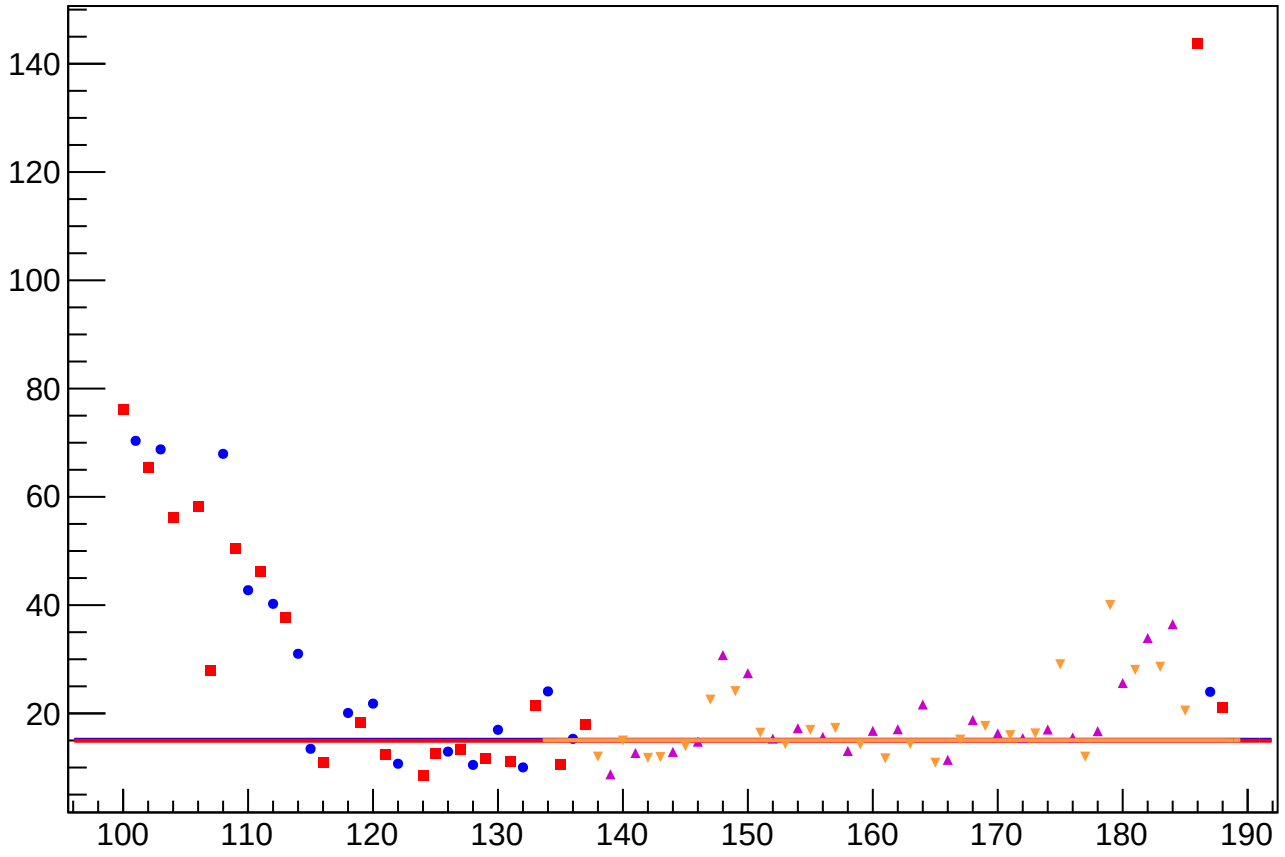
Right Out: 0.008+/-0.006 χ^2/NDF: 13.2/20

Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/41

All: 0.001+/-0.002 χ^2/NDF: 98.6/85

- sign -0.000+/-0.003 χ^2/NDF: 53.0/43



Right In: 15.131+/-0.005 χ^2/NDF: 3479919.6/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 14.950+/-0.004 χ^2/NDF: 4412918.1/20

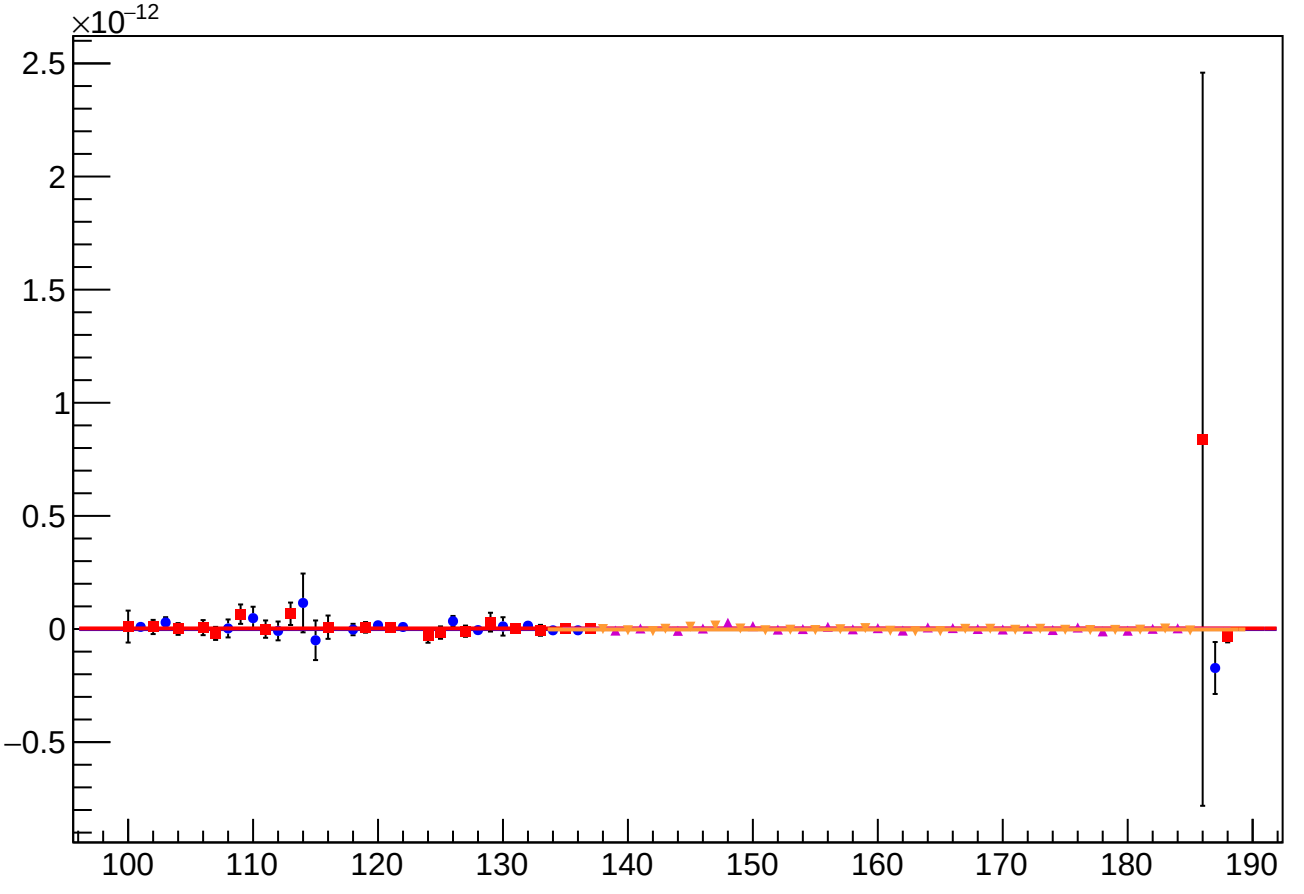
Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

\+ sign 15.066+/-0.002 χ^2/NDF: 6238450.1/41

All: 15.050+/-0.002 χ^2/NDF: 13718617.3/85

\- sign 15.034+/-0.002 χ^2/NDF: 7480074.8/43

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9.2/20

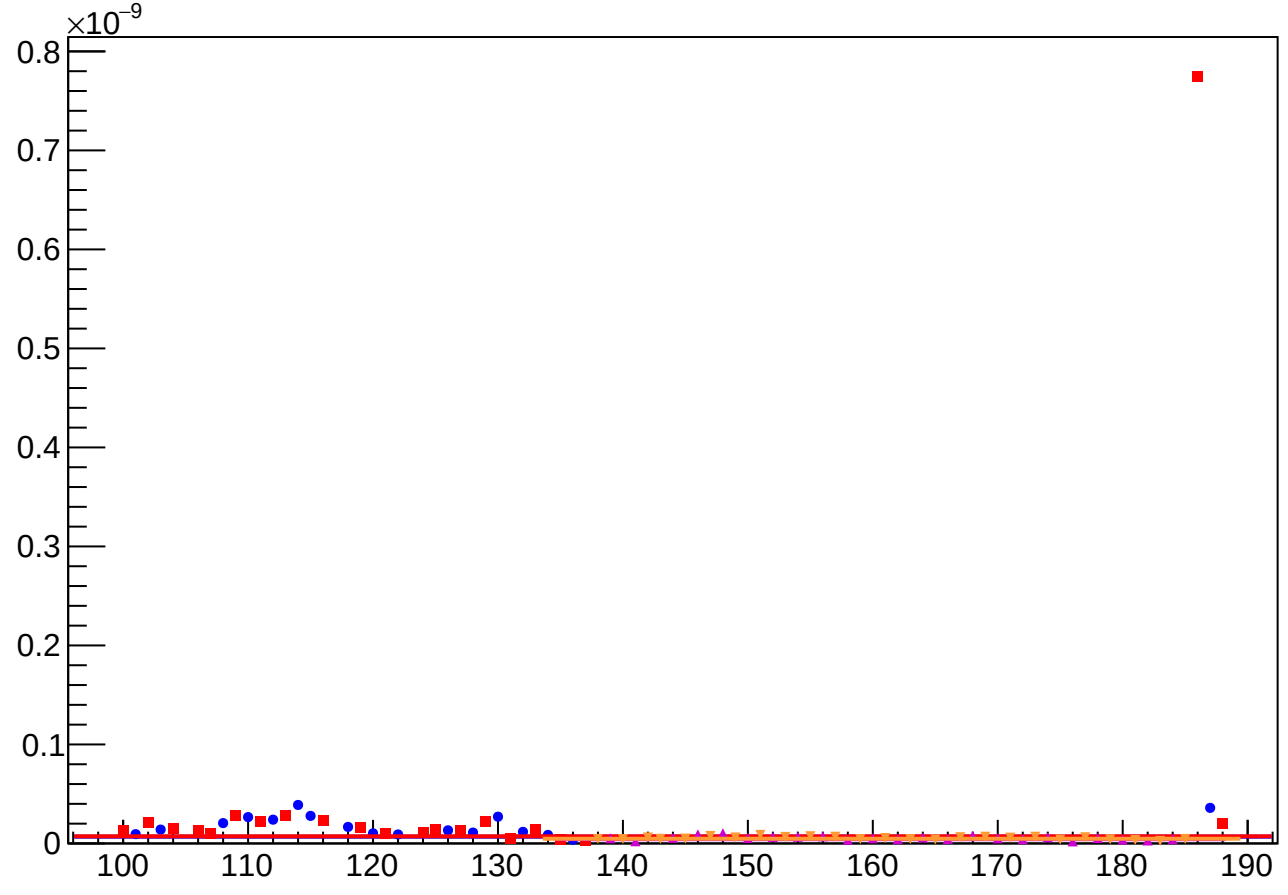
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 26.9/41

All: -0.000+/-0.000 χ^2/NDF: 59.6/85

- sign 0.000+/-0.000 χ^2/NDF: 30.8/43

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3640070.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5205619.1/20

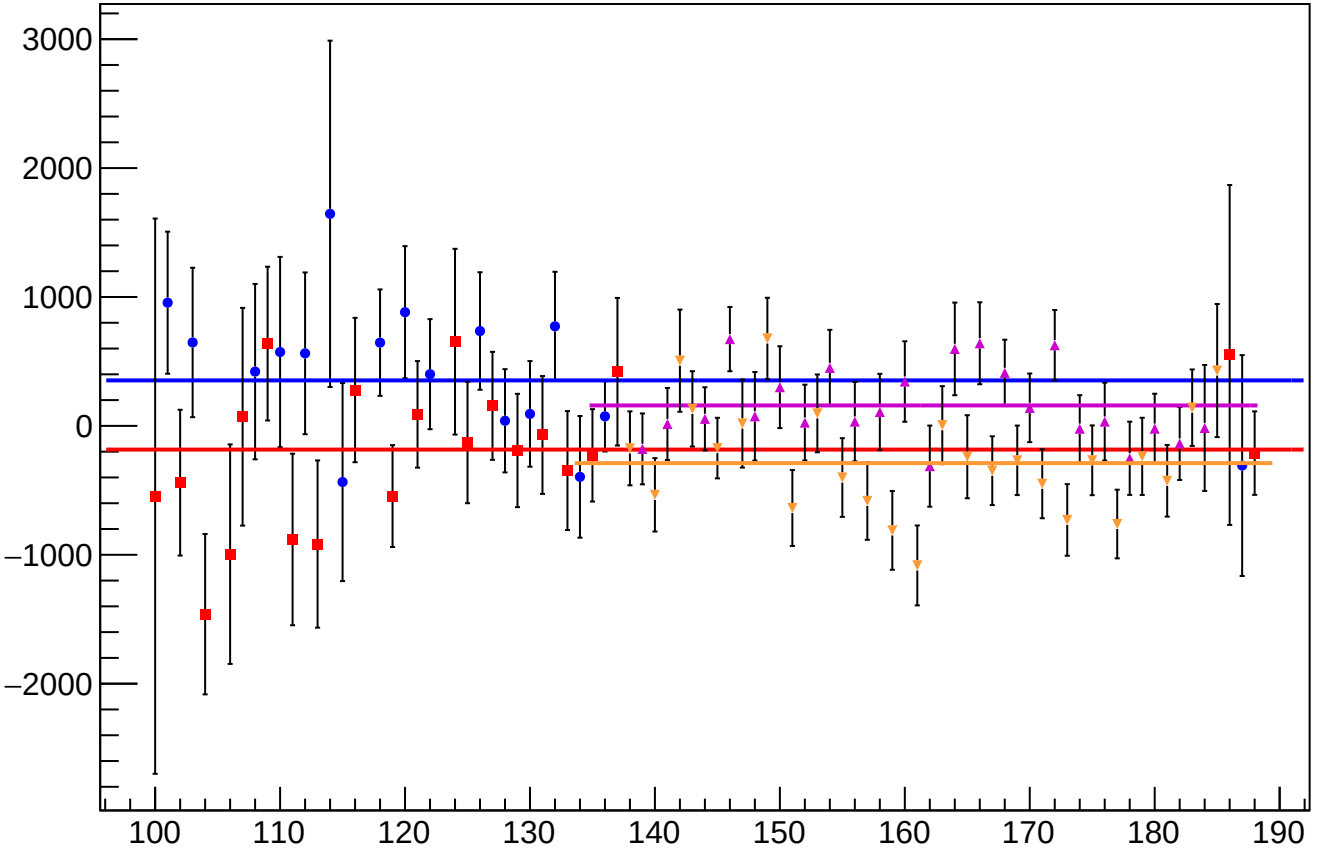
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6273585.1/41

All: 0.000+/-0.000 χ^2/NDF: 16126911.4/85

- sign 0.000+/-0.000 χ^2/NDF: 9740527.6/43

reg_asym_sam2_mean vs Slug



Right In: 352.820+/-117.745 χ^2/NDF: 12.1/16

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -183.815+/-112.269 χ^2/NDF: 15.3/20

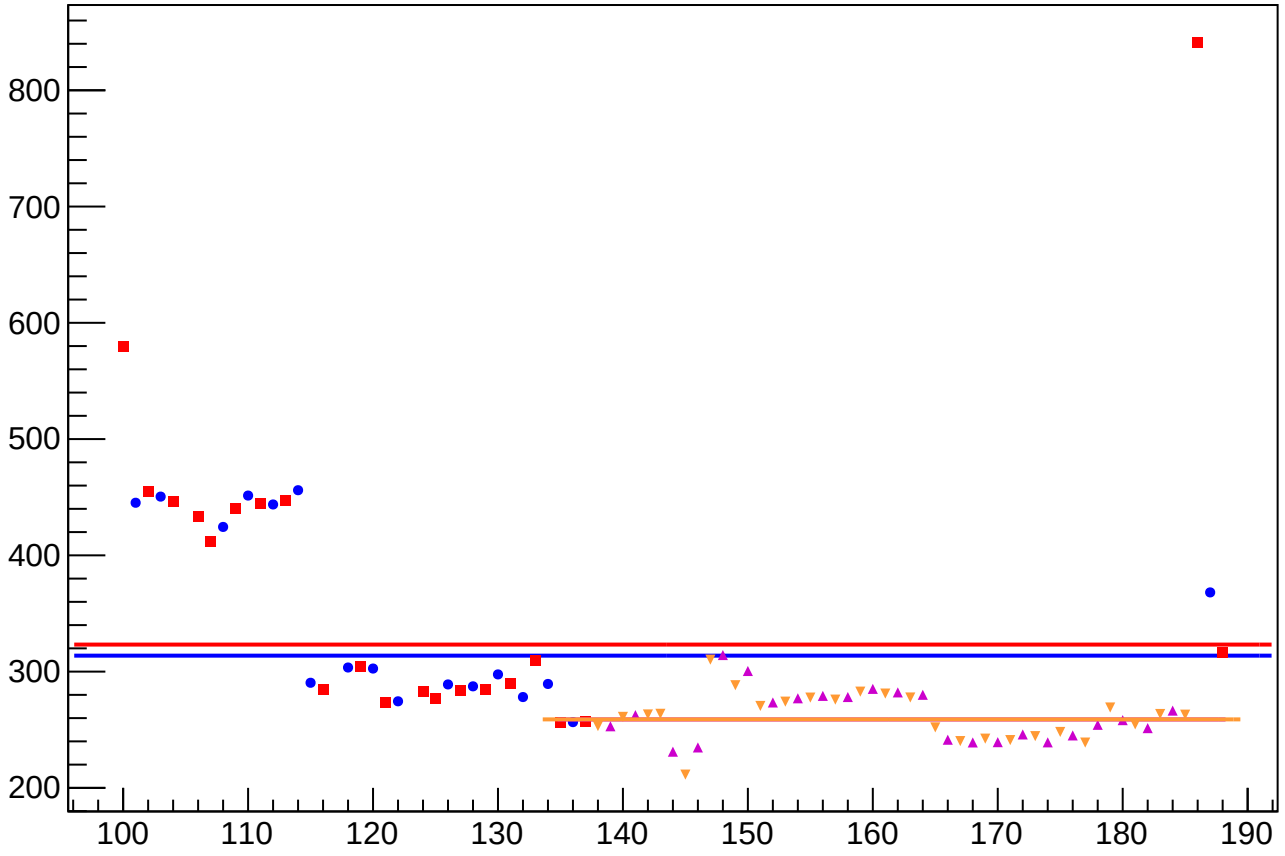
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

\+ sign -160.008+/-52.773 χ^2/NDF: 78.2/41

All: -40.862+/-37.536 χ^2/NDF: 133.6/85

\- sign 81.133+/-53.401 χ^2/NDF: 45.1/43

reg_asym_sam2_rms vs Slug



Right In: 313.730+/-0.083 χ^2/NDF: 610427.6/16

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

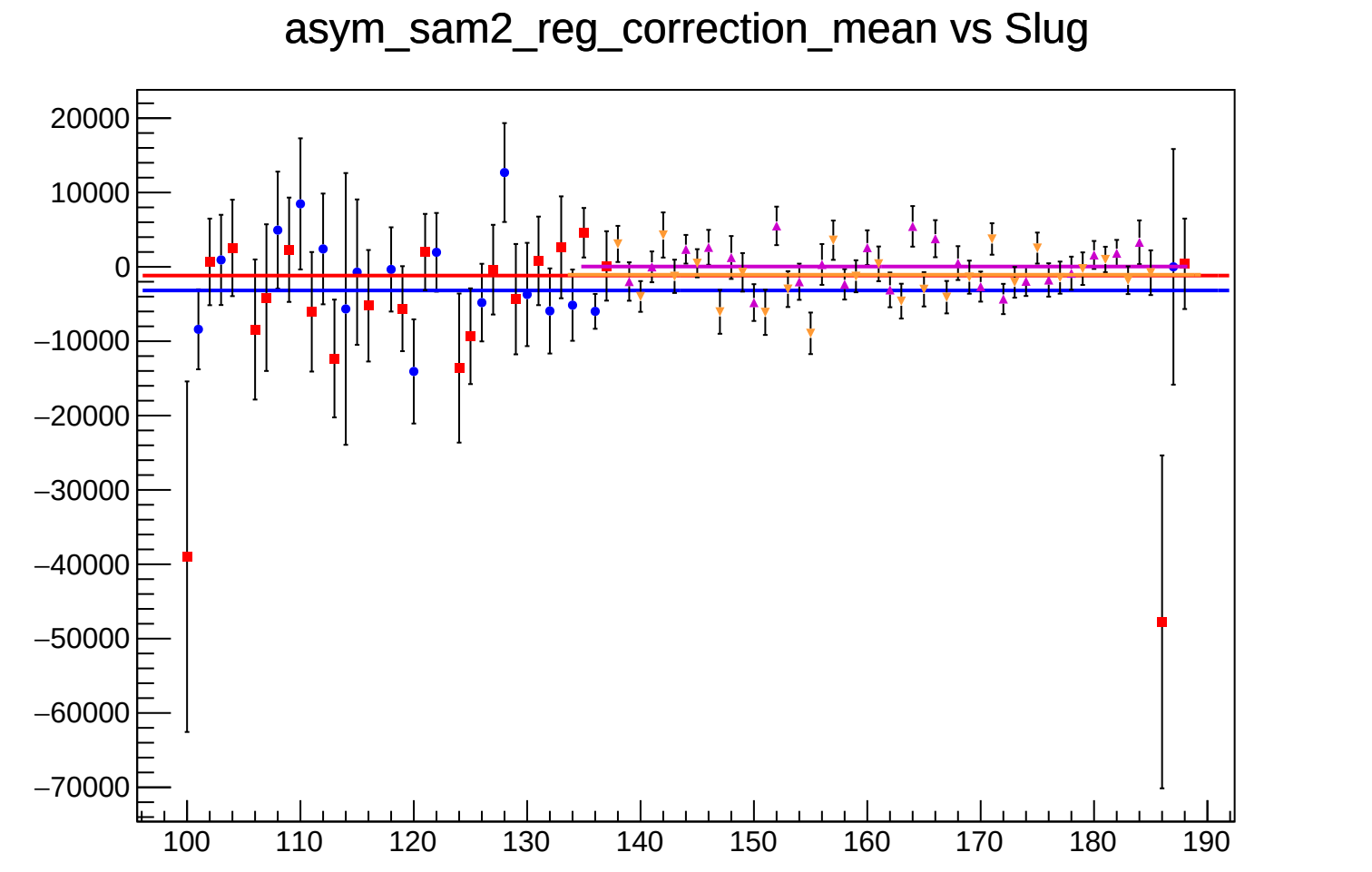
Right Out: 323.247+/-0.079 χ^2/NDF: 1008560.1/20

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.924+/-0.037 χ^2/NDF: 1205591.7/41

All: 271.648+/-0.027 χ^2/NDF: 2972692.9/85

- sign 273.414+/-0.038 χ^2/NDF: 1762780.1/43



Right In: -3175.535+/-1348.900 χ^2/NDF: 16.1/16

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1170.501+/-1401.573 χ^2/NDF: 18.8/20

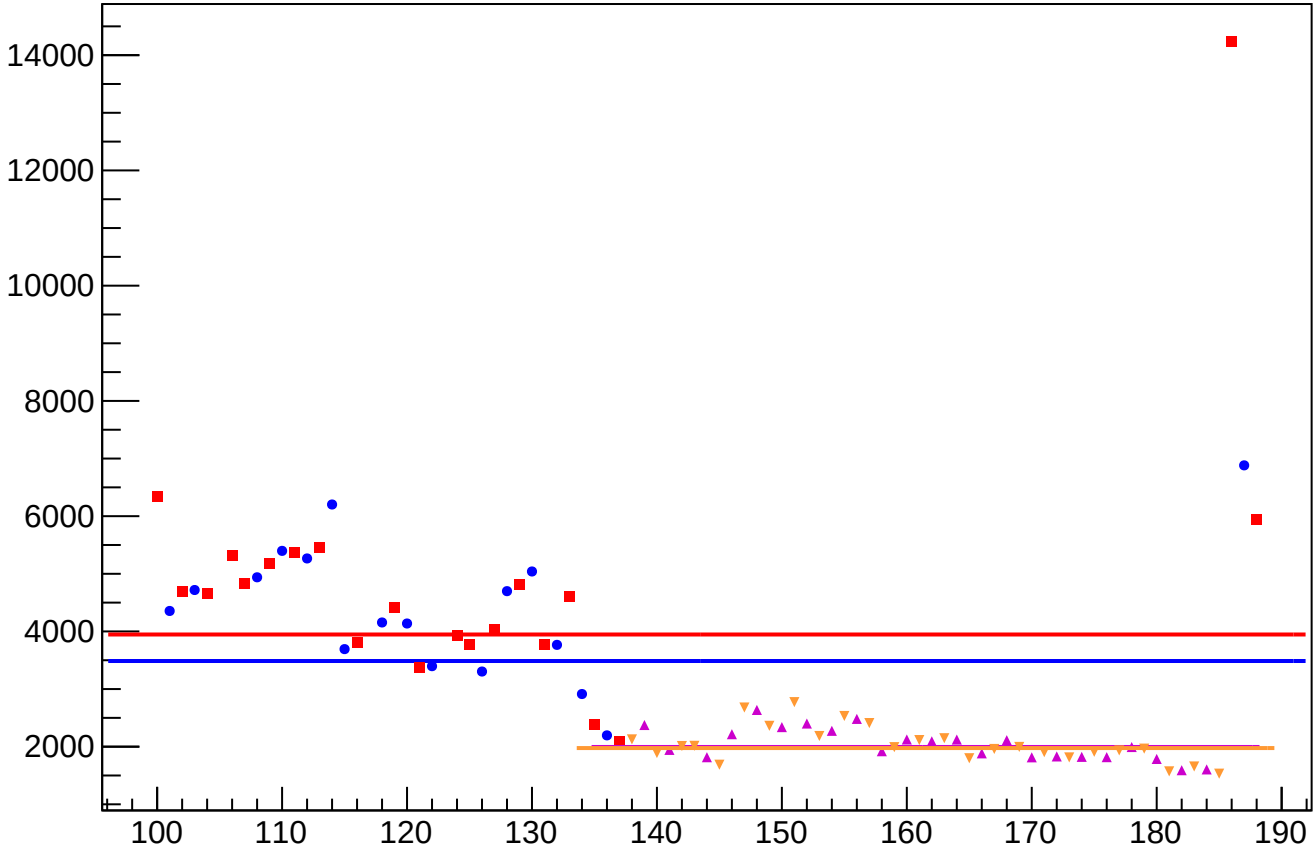
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1275.126+/-430.838 χ^2/NDF: 59.8/41

All: -697.914+/-309.940 χ^2/NDF: 117.2/85

- sign -78.780+/-446.209 χ^2/NDF: 53.6/43

asym_sam2_reg_correction_rms vs Slug



Right In: 3486.707+/-0.954 χ^2/NDF: 1402055.2/16

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 3946.715+/-0.991 χ^2/NDF: 1818119.0/20

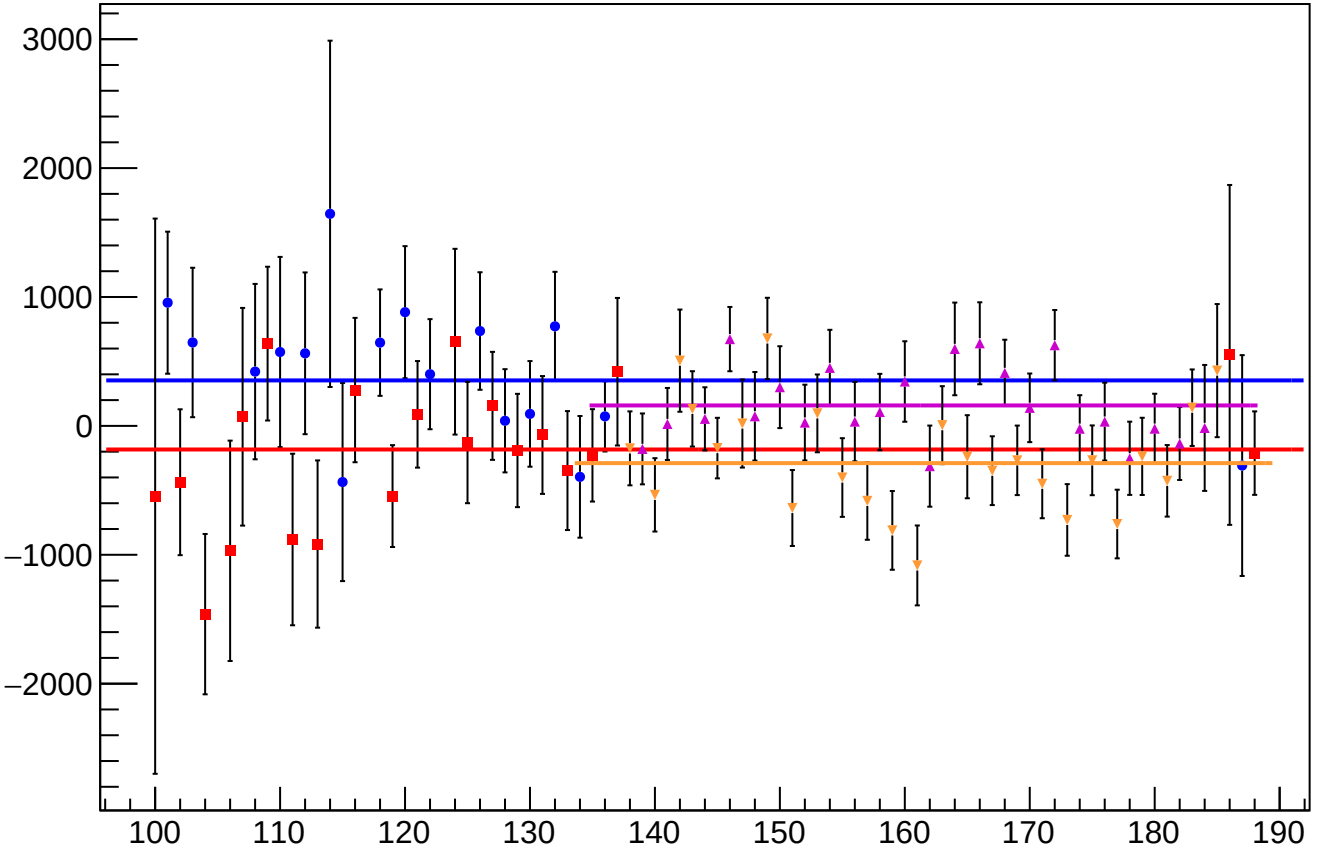
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2130.087+/-0.305 χ^2/NDF: 4418162.0/41

All: 2160.248+/-0.219 χ^2/NDF: 10342582.7/8

- sign 2192.600+/-0.316 χ^2/NDF: 5904105.2/43

cor_asym_sam2_mean vs Slug



Right In: 352.803+/-117.745 χ^2/NDF: 12.1/16

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -183.103+/-112.279 χ^2/NDF: 15.3/20

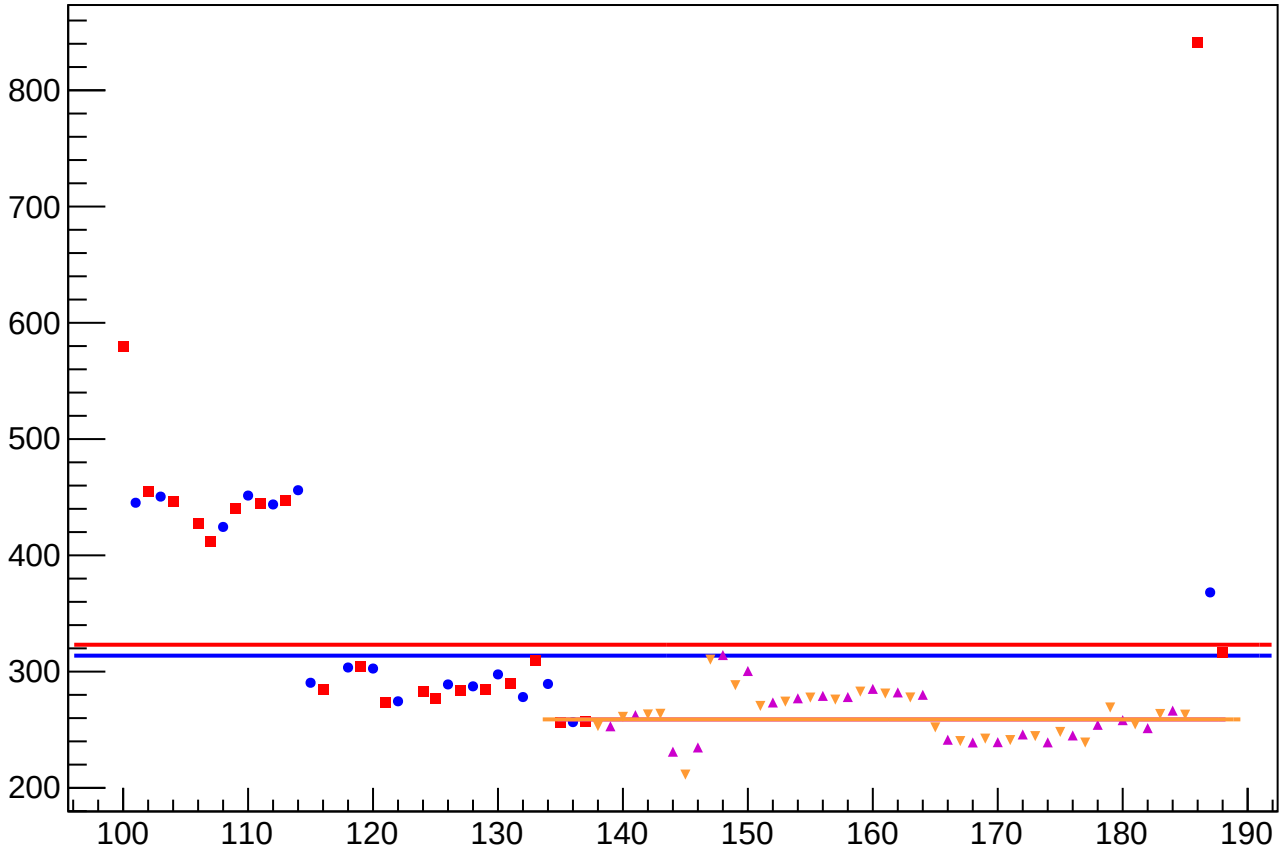
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

\+ sign -160.014+/-52.773 χ^2/NDF: 78.2/41

All: -40.779+/-37.536 χ^2/NDF: 133.5/85

\- sign 81.312+/-53.402 χ^2/NDF: 44.9/43

cor_asym_sam2_rms vs Slug



Right In: 313.730+/-0.083 χ^2/NDF: 610429.1/16

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 323.119+/-0.079 χ^2/NDF: 1004536.0/20

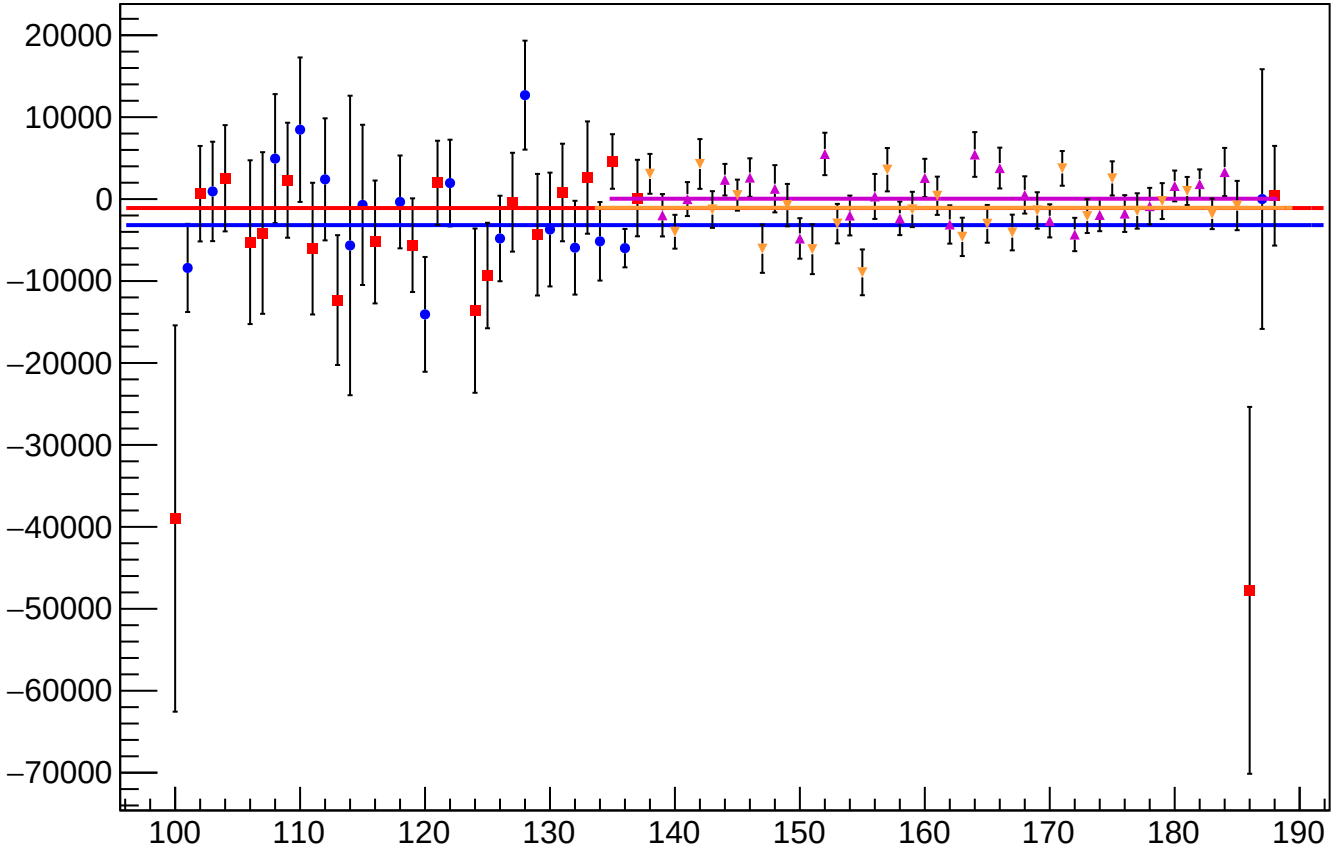
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.924+/-0.037 χ^2/NDF: 1205593.3/41

All: 271.633+/-0.027 χ^2/NDF: 2966497.1/85

- sign 273.383+/-0.038 χ^2/NDF: 1756659.0/43

asym_sam2_cor_correction_mean vs Slug



Right In: -3175.467+/-1348.903 χ^2/NDF: 16.1/16

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1090.623+/-1403.349 χ^2/NDF: 18.4/20

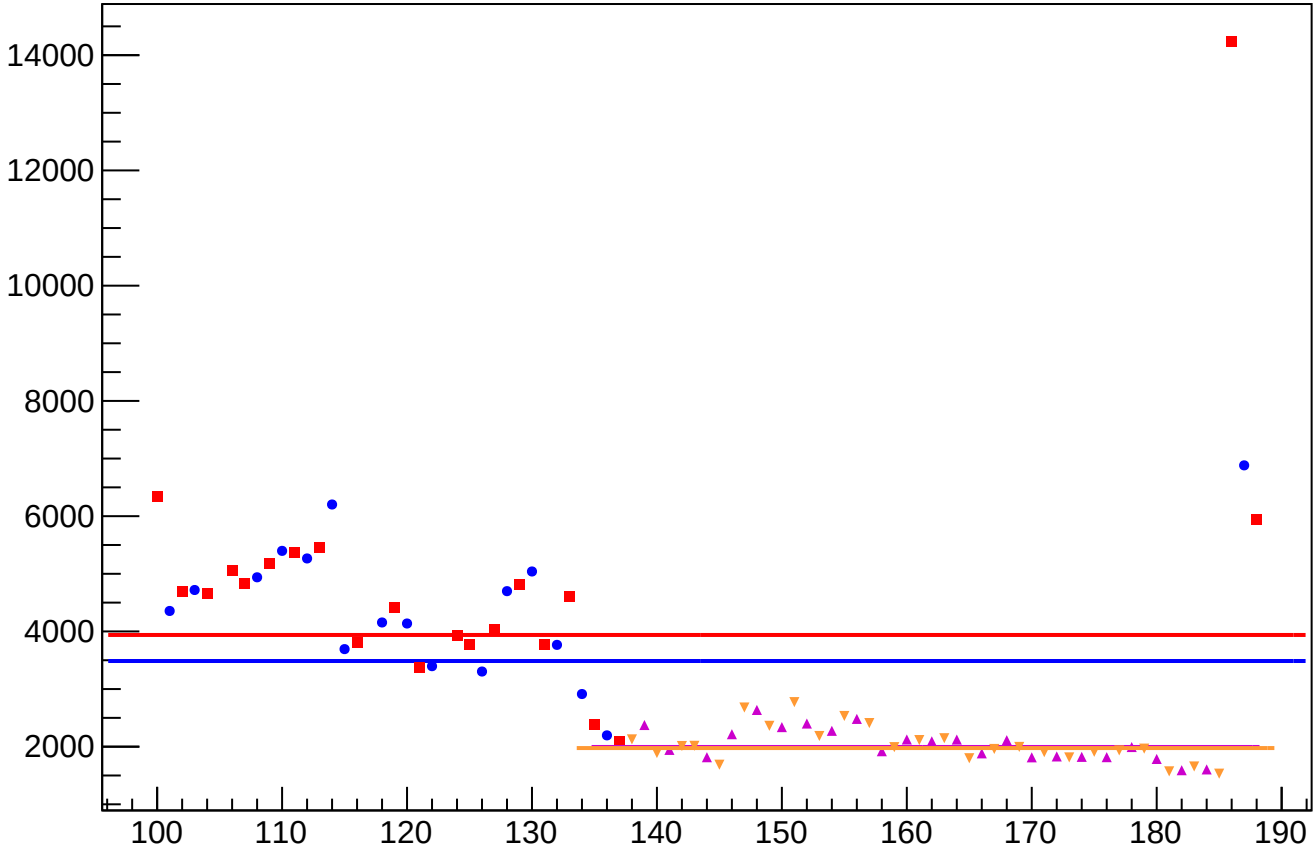
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1275.122+/-430.838 χ^2/NDF: 59.8/41

All: -693.958+/-309.959 χ^2/NDF: 116.7/85

- sign -70.426+/-446.266 χ^2/NDF: 53.1/43

asym_sam2_cor_correction_rms vs Slug



Right In: 3486.712+/-0.954 χ^2/NDF: 1402071.1/16

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3938.595+/-0.992 χ^2/NDF: 1801343.8/20

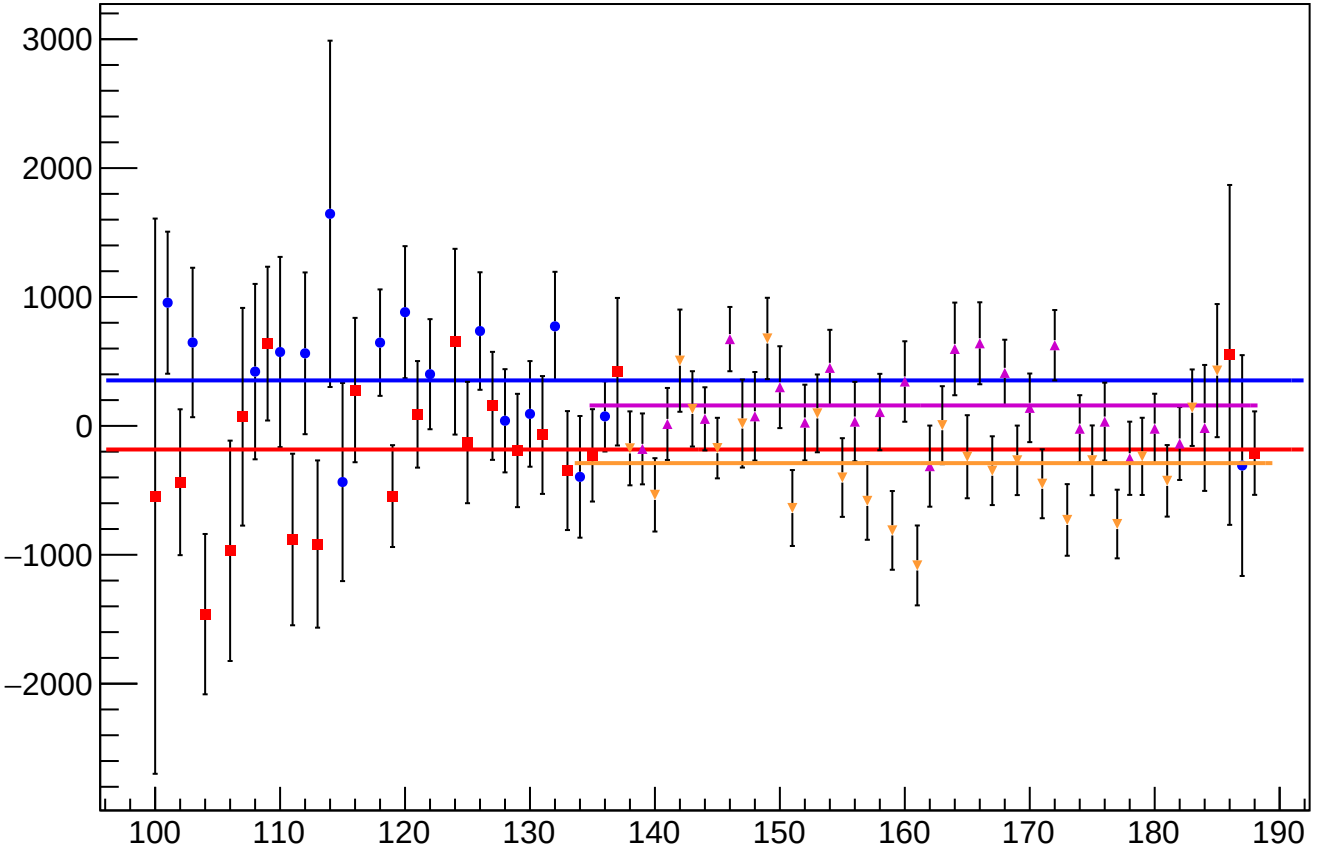
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2130.087+/-0.305 χ^2/NDF: 4418182.7/41

All: 2159.632+/-0.219 χ^2/NDF: 10288207.2/8

- sign 2191.330+/-0.316 χ^2/NDF: 5850528.9/43

eigen_cor_asym_sam2_mean vs Slug



Right In: 352.803+/-117.745 χ^2/NDF: 12.1/16

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -183.103+/-112.279 χ^2/NDF: 15.3/20

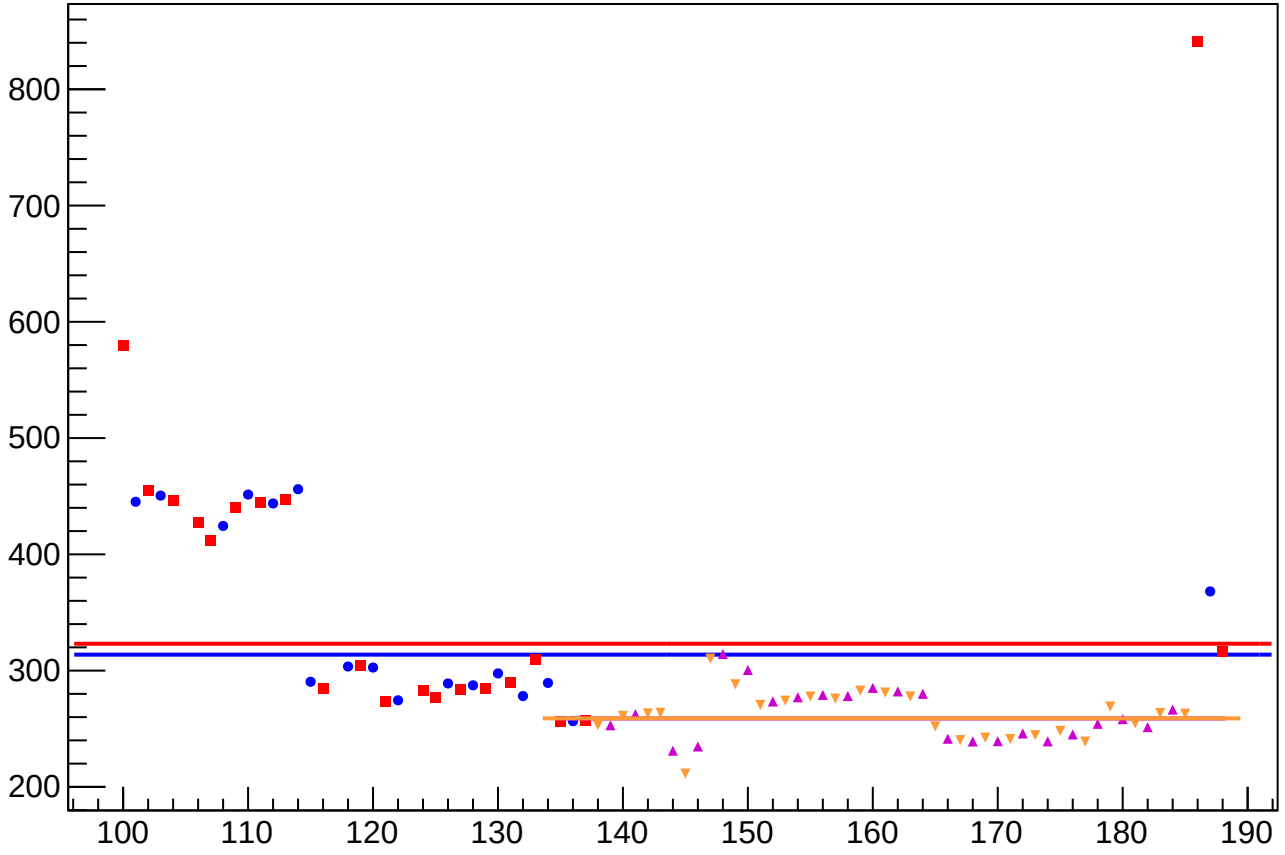
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -160.014+/-52.773 χ^2/NDF: 78.2/41

All: -40.779+/-37.536 χ^2/NDF: 133.5/85

- sign 81.312+/-53.402 χ^2/NDF: 44.9/43

eigen_cor_asym_sam2_rms vs Slug



Right In: 313.730+/-0.083 χ^2/NDF: 610429.1/16

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

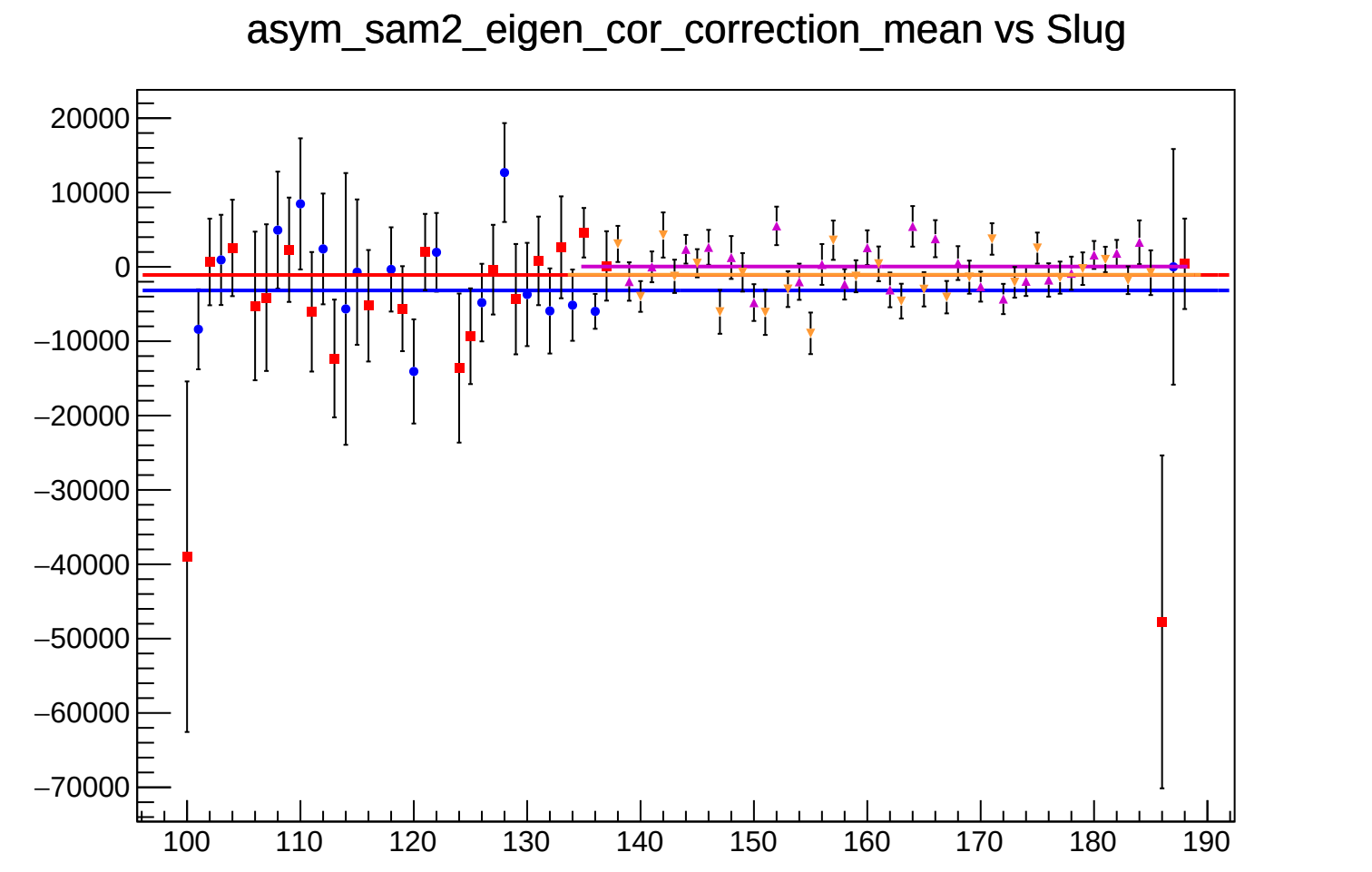
Right Out: 323.119+/-0.079 χ^2/NDF: 1004536.0/20

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.924+/-0.037 χ^2/NDF: 1205593.3/41

All: 271.633+/-0.027 χ^2/NDF: 2966497.1/85

- sign 273.383+/-0.038 χ^2/NDF: 1756659.0/43



Right In: -3175.467+/-1348.903 χ^2/NDF: 16.1/16

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1090.623+/-1403.349 χ^2/NDF: 18.4/20

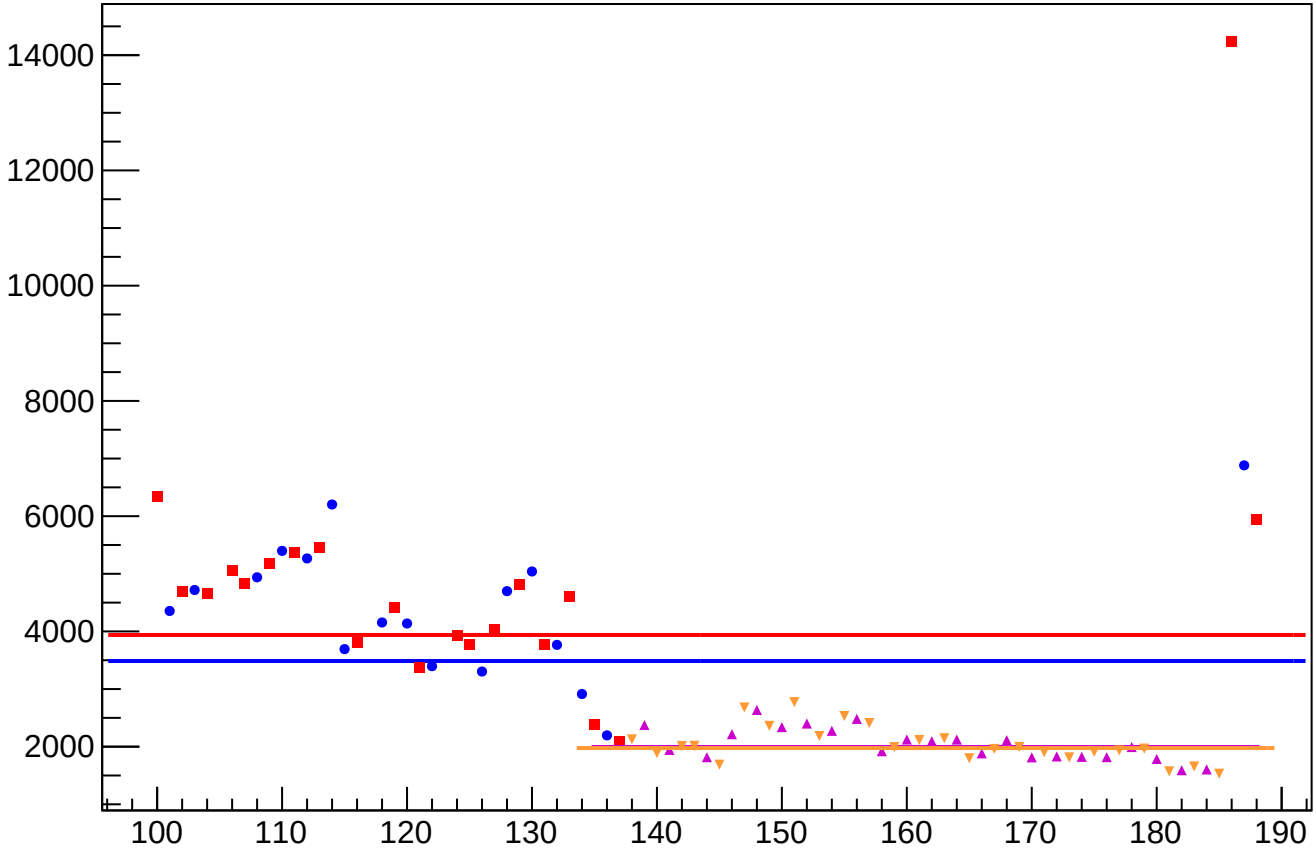
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1275.122+/-430.838 χ^2/NDF: 59.8/41

All: -693.958+/-309.959 χ^2/NDF: 116.7/85

- sign -70.426+/-446.266 χ^2/NDF: 53.1/43

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3486.712+/-0.954 χ^2/NDF: 1402071.1/16

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3938.595+/-0.992 χ^2/NDF: 1801343.8/20

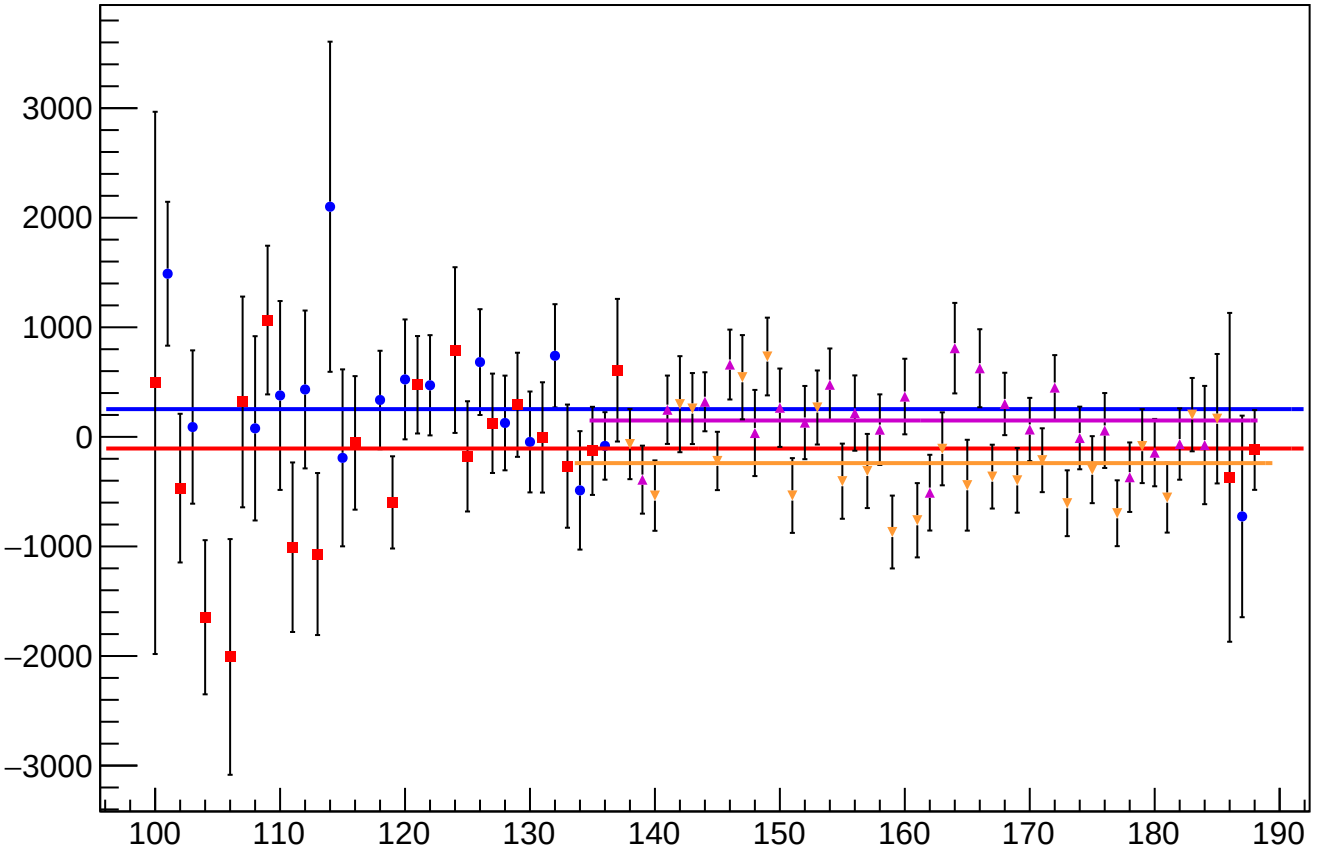
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2130.087+/-0.305 χ^2/NDF: 4418182.7/41

All: 2159.632+/-0.219 χ^2/NDF: 10288207.2/8

- sign 2191.330+/-0.316 χ^2/NDF: 5850528.9/43

dit_asym_sam2_mean vs Slug



Right In: 253.246+/-131.182 χ^2/NDF: 12.6/16

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -106.235+/-124.993 χ^2/NDF: 21.3/20

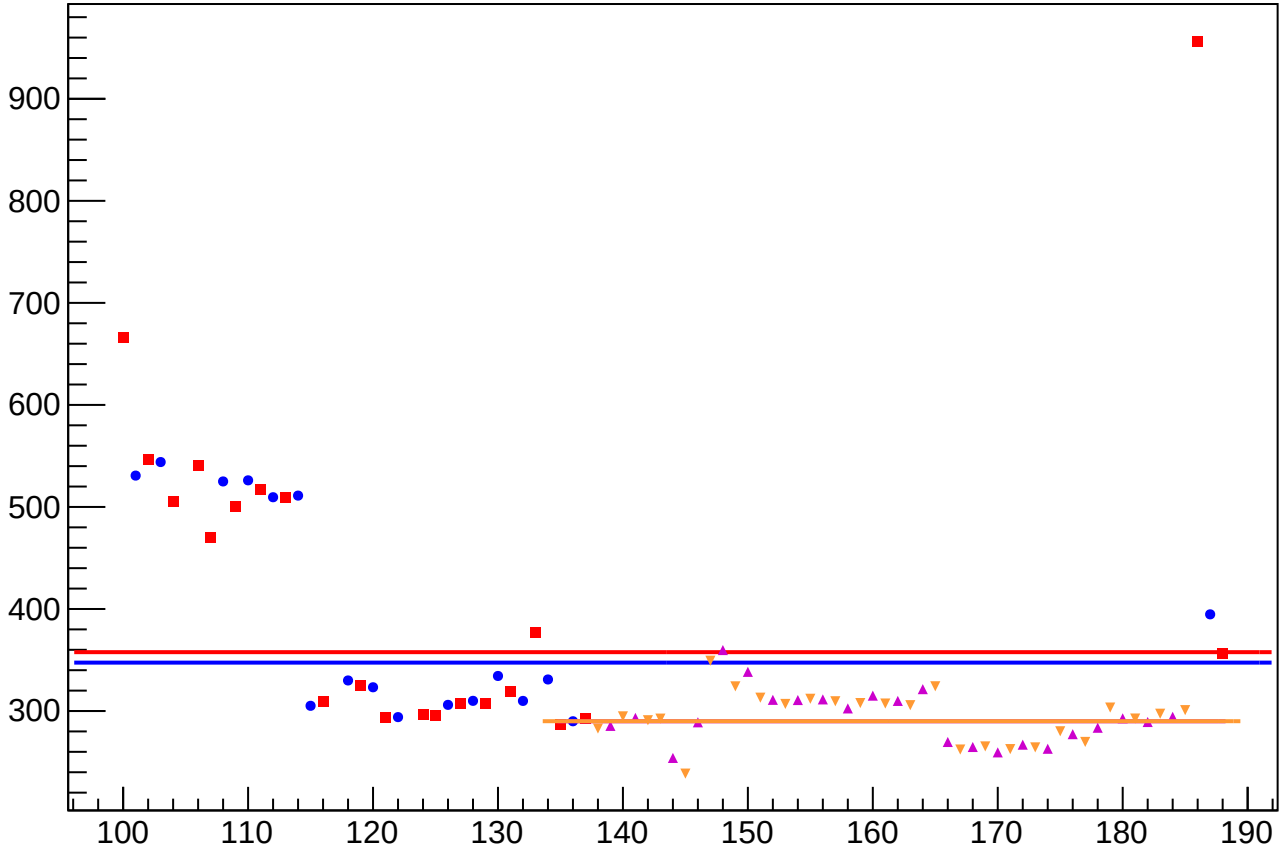
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -139.604+/-59.078 χ^2/NDF: 57.9/41

All: -25.833+/-42.041 χ^2/NDF: 111.7/85

- sign 90.897+/-59.841 χ^2/NDF: 46.3/43

dit_asym_sam2_rms vs Slug



Right In: 347.437+/-0.093 χ^2/NDF: 774164.2/16

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 357.685+/-0.088 χ^2/NDF: 1186538.2/20

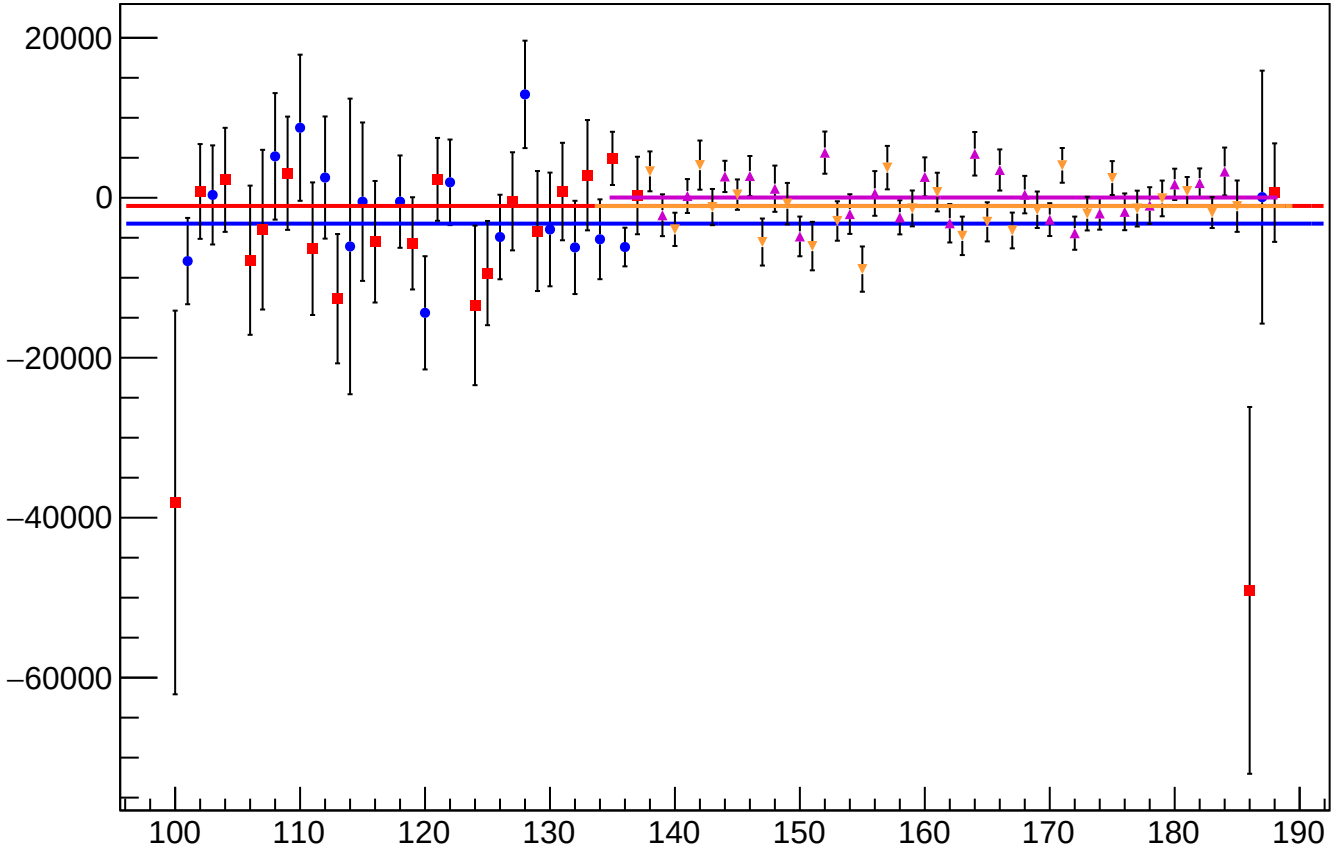
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 301.667+/-0.042 χ^2/NDF: 1360219.1/41

All: 303.543+/-0.030 χ^2/NDF: 3273352.0/85

- sign 305.468+/-0.042 χ^2/NDF: 1909045.9/43

asym_sam2_dit_correction_mean vs Slug



Right In: -3233.456+/-1378.867 χ^2/NDF: 16.1/16

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1022.444+/-1418.555 χ^2/NDF: 19.1/20

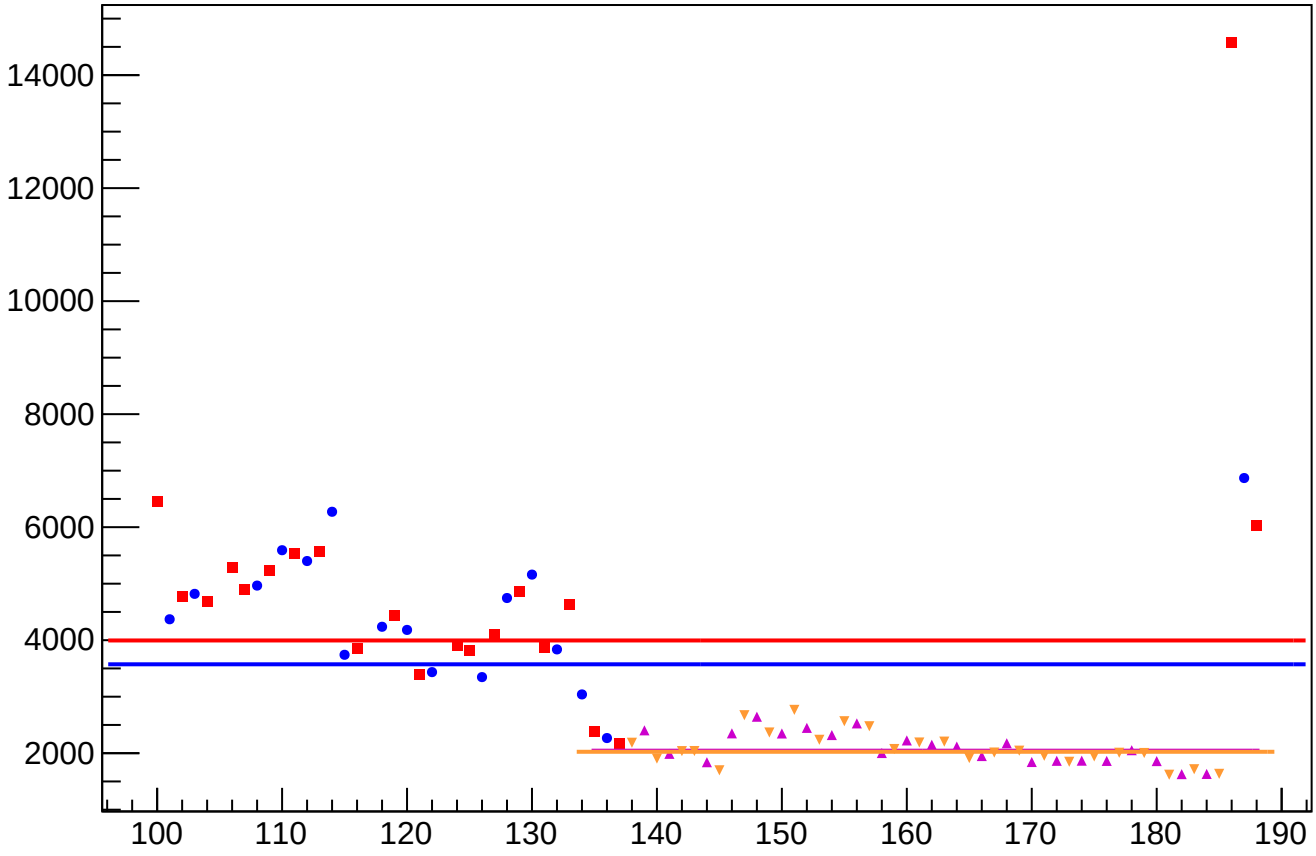
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1261.201+/-440.895 χ^2/NDF: 58.6/41

All: -690.649+/-317.171 χ^2/NDF: 115.8/85

- sign -78.692+/-456.613 χ^2/NDF: 53.7/43

asym_sam2_dit_correction_rms vs Slug



Right In: 3573.225+/-0.975 χ^2/NDF: 1346061.4/16

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

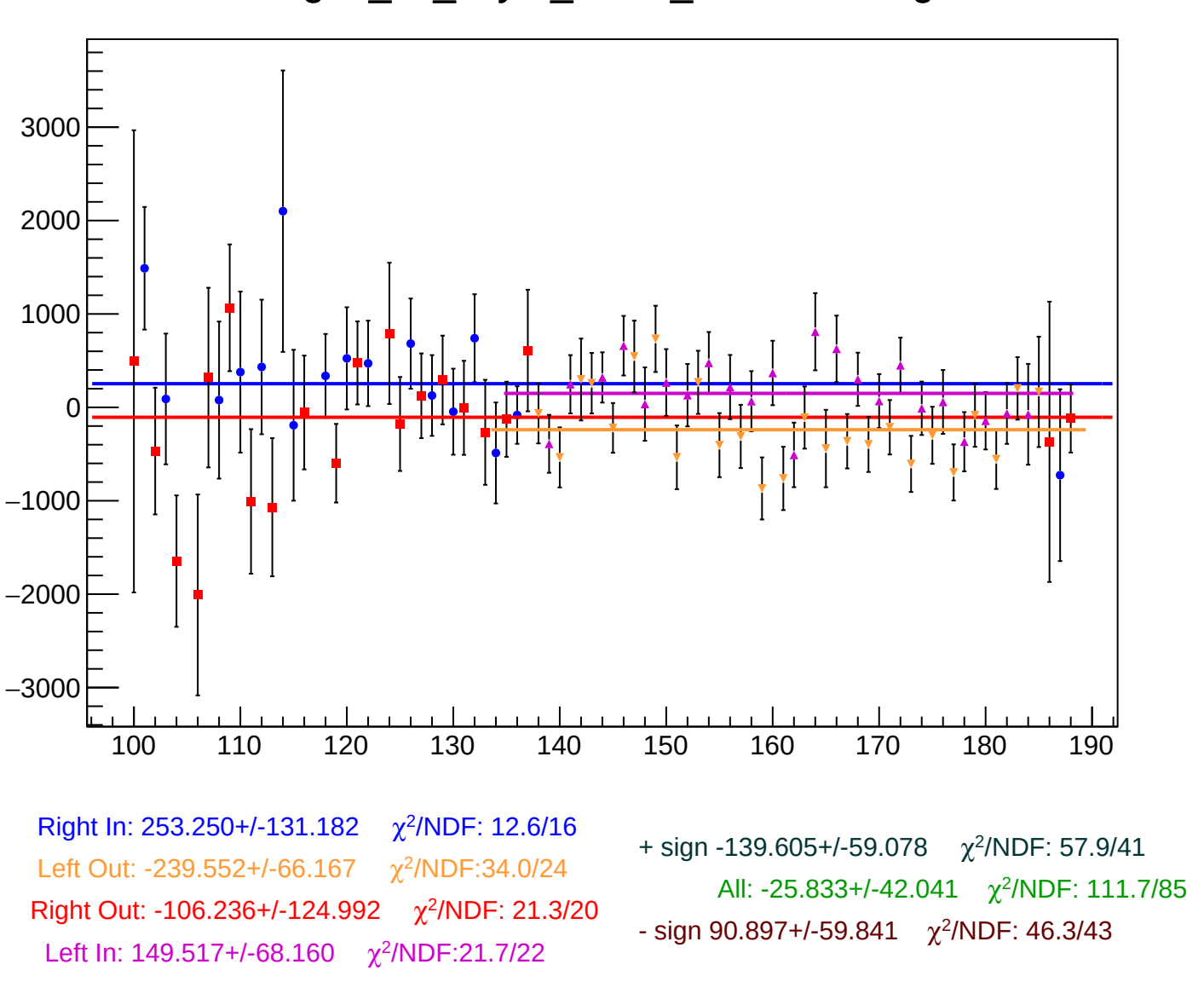
Right Out: 3995.085+/-1.003 χ^2/NDF: 1821841.0/20

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

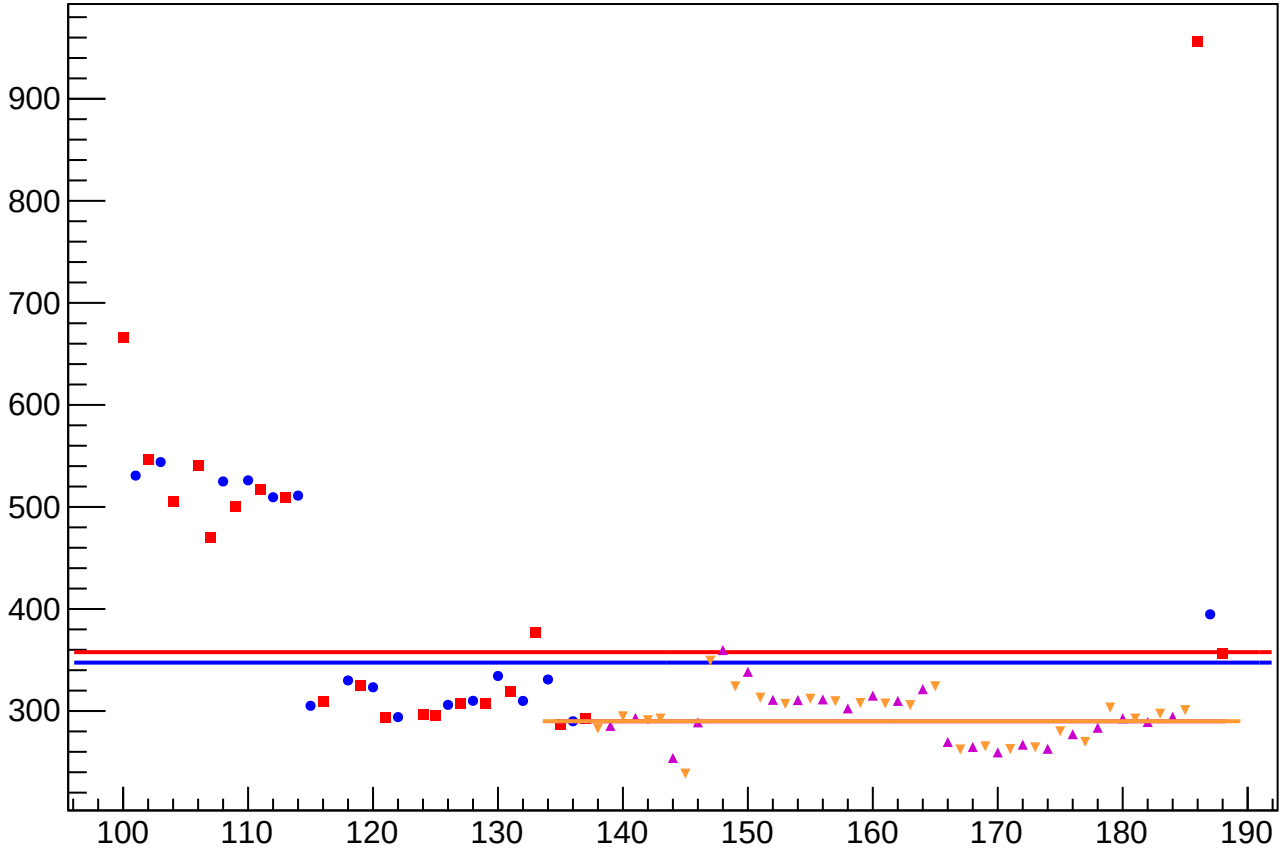
+ sign 2183.368+/-0.312 χ^2/NDF: 4310303.1/41

All: 2213.887+/-0.224 χ^2/NDF: 10126568.3/8

- sign 2246.621+/-0.323 χ^2/NDF: 5796403.8/43


eigen_dit_asym_sam2_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
190
Right In: 253.250+/-131.182 χ²/NDF: 12.6/16
Left Out: -239.552+/-66.167 χ²/NDF:34.0/24
Right Out: -106.236+/-124.992 χ²/NDF: 21.3/20
Left In: 149.517+/-68.160 χ²/NDF:21.7/22
+ sign -139.605+/-59.078 χ²/NDF: 57.9/41
All: -25.833+/-42.041 χ²/NDF: 111.7/85
- sign 90.897+/-59.841 χ²/NDF: 46.3/43

eigen_dit_asym_sam2_rms vs Slug



Right In: 347.435+/-0.093 χ^2/NDF: 774156.5/16

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

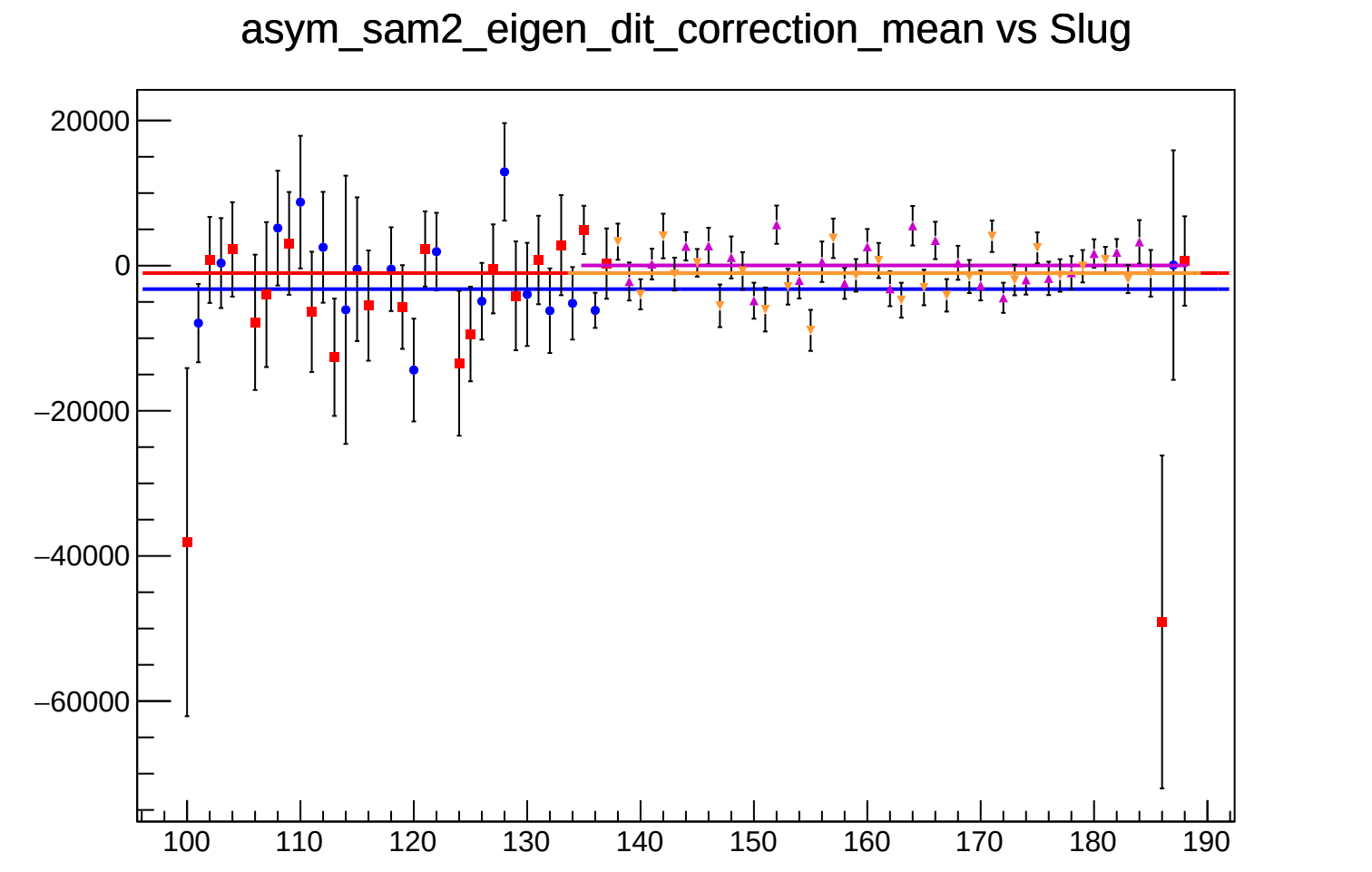
Right Out: 357.684+/-0.088 χ^2/NDF: 1186525.8/20

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 301.667+/-0.042 χ^2/NDF: 1360198.0/41

All: 303.543+/-0.030 χ^2/NDF: 3273309.8/85

- sign 305.468+/-0.042 χ^2/NDF: 1909024.7/43



Right In: -3233.448+/-1378.865 χ^2/NDF: 16.1/16

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1022.448+/-1418.553 χ^2/NDF: 19.1/20

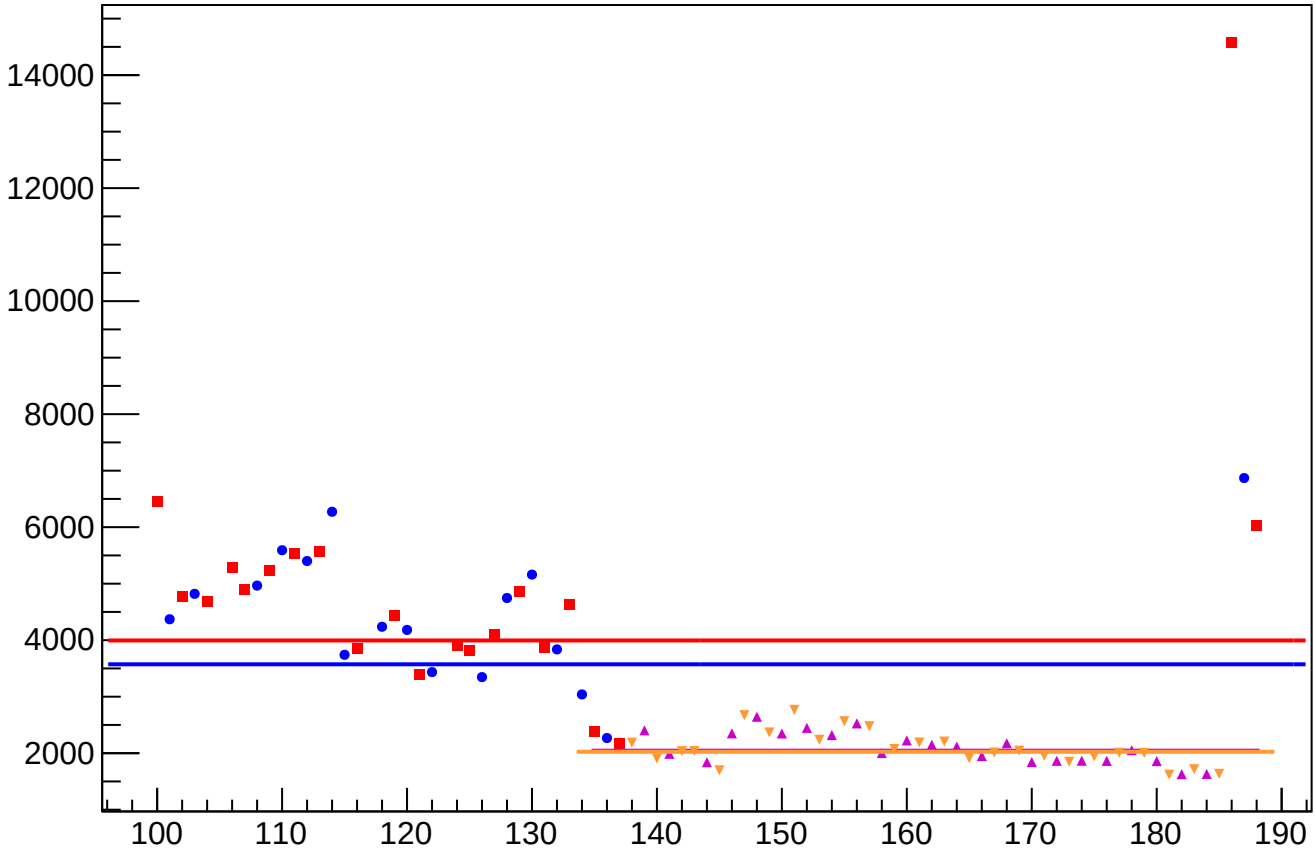
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1261.201+/-440.895 χ^2/NDF: 58.6/41

All: -690.650+/-317.171 χ^2/NDF: 115.8/85

- sign -78.694+/-456.613 χ^2/NDF: 53.7/43

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3573.221+/-0.975 χ^2/NDF: 1346047.4/16

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 3995.080+/-1.003 χ^2/NDF: 1821832.0/20

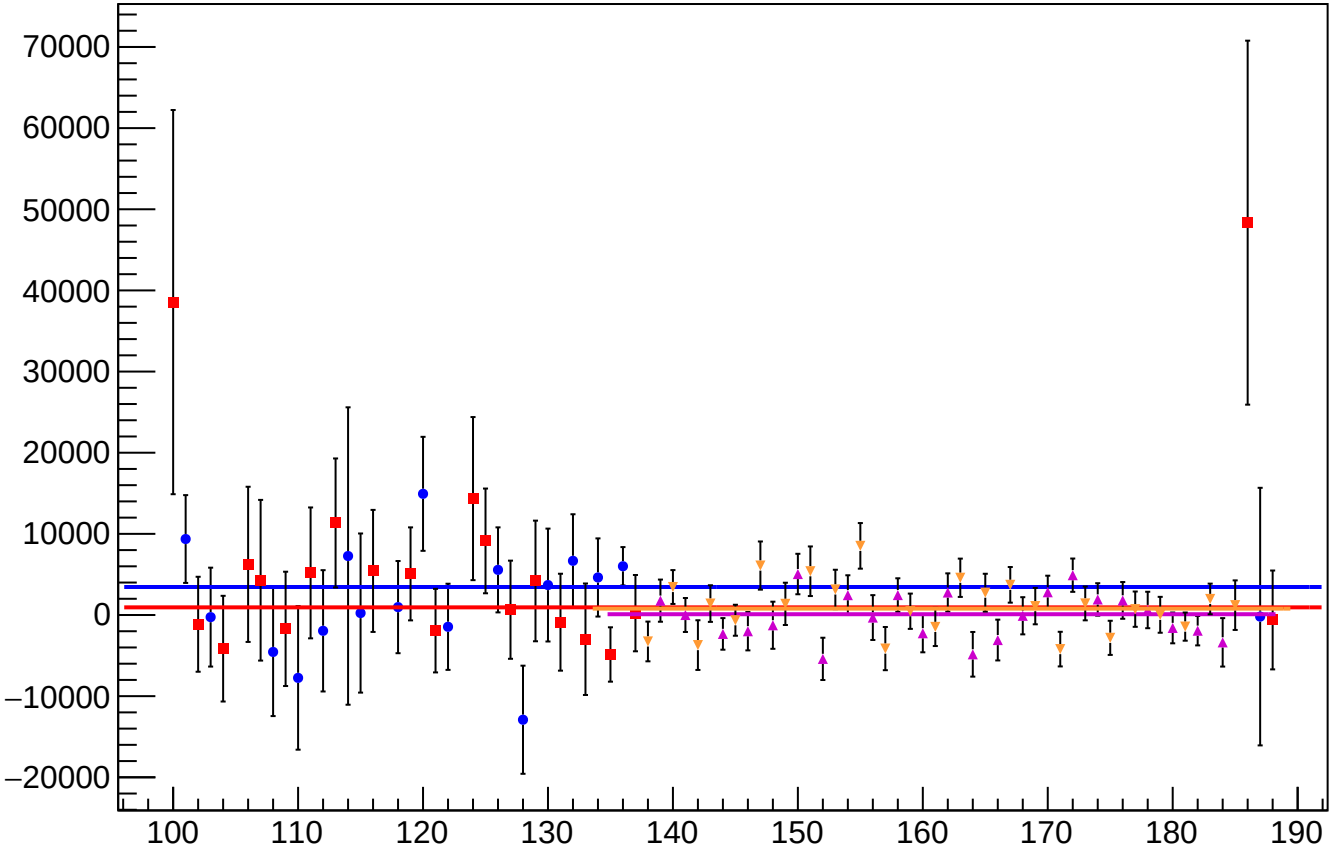
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2183.369+/-0.312 χ^2/NDF: 4310287.9/41

All: 2213.888+/-0.224 χ^2/NDF: 10126541.2/8

- sign 2246.621+/-0.323 χ^2/NDF: 5796392.2/43

asym_sam2_mean vs Slug



Right In: 3451.567+/-1355.387 χ^2/NDF: 16.4/16

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 942.696+/-1407.482 χ^2/NDF: 18.6/20

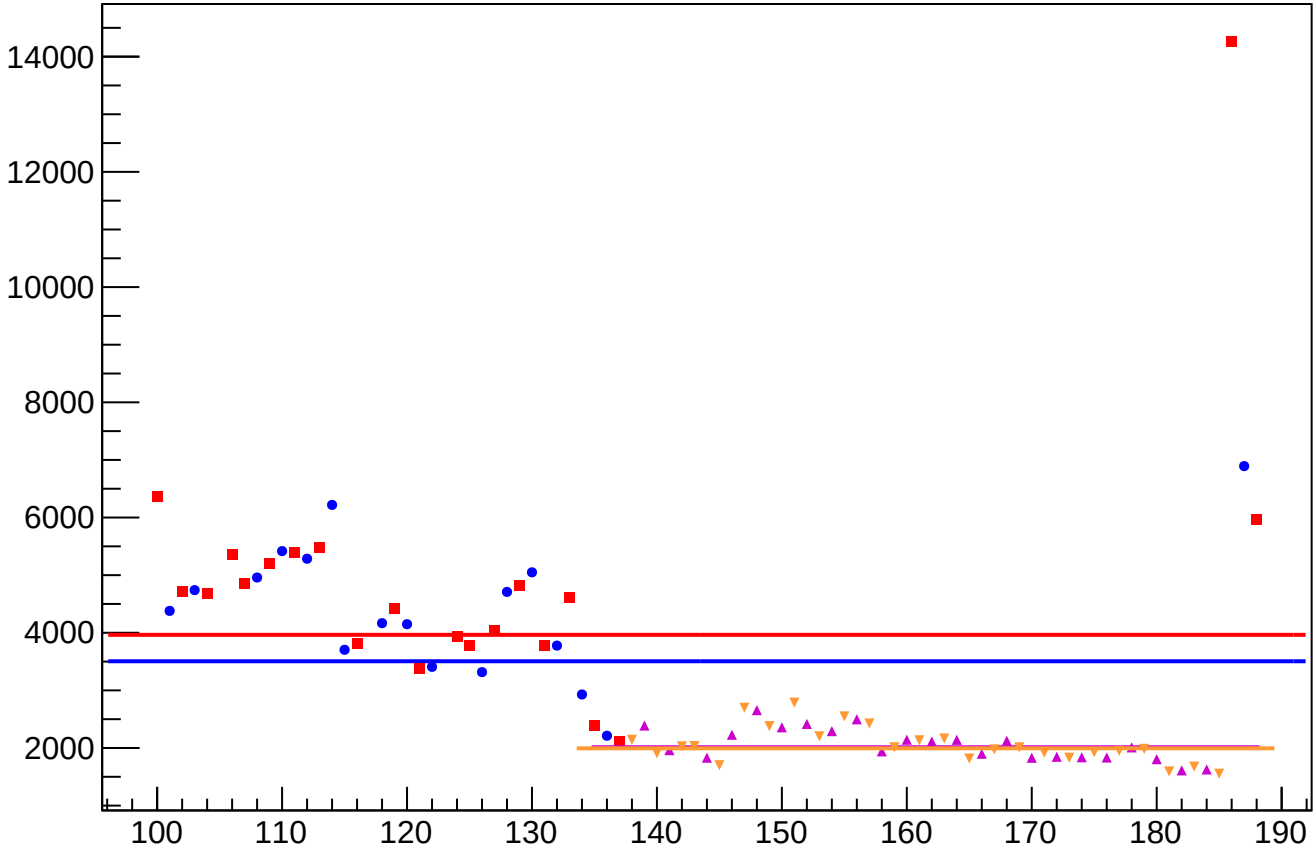
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1062.033+/-434.514 χ^2/NDF: 61.2/41

All: 637.899+/-312.550 χ^2/NDF: 114.9/85

- sign 183.172+/-449.913 χ^2/NDF: 51.7/43

asym_sam2_rms vs Slug



Right In: 3505.442+/-0.958 χ^2/NDF: 1388400.2/16

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

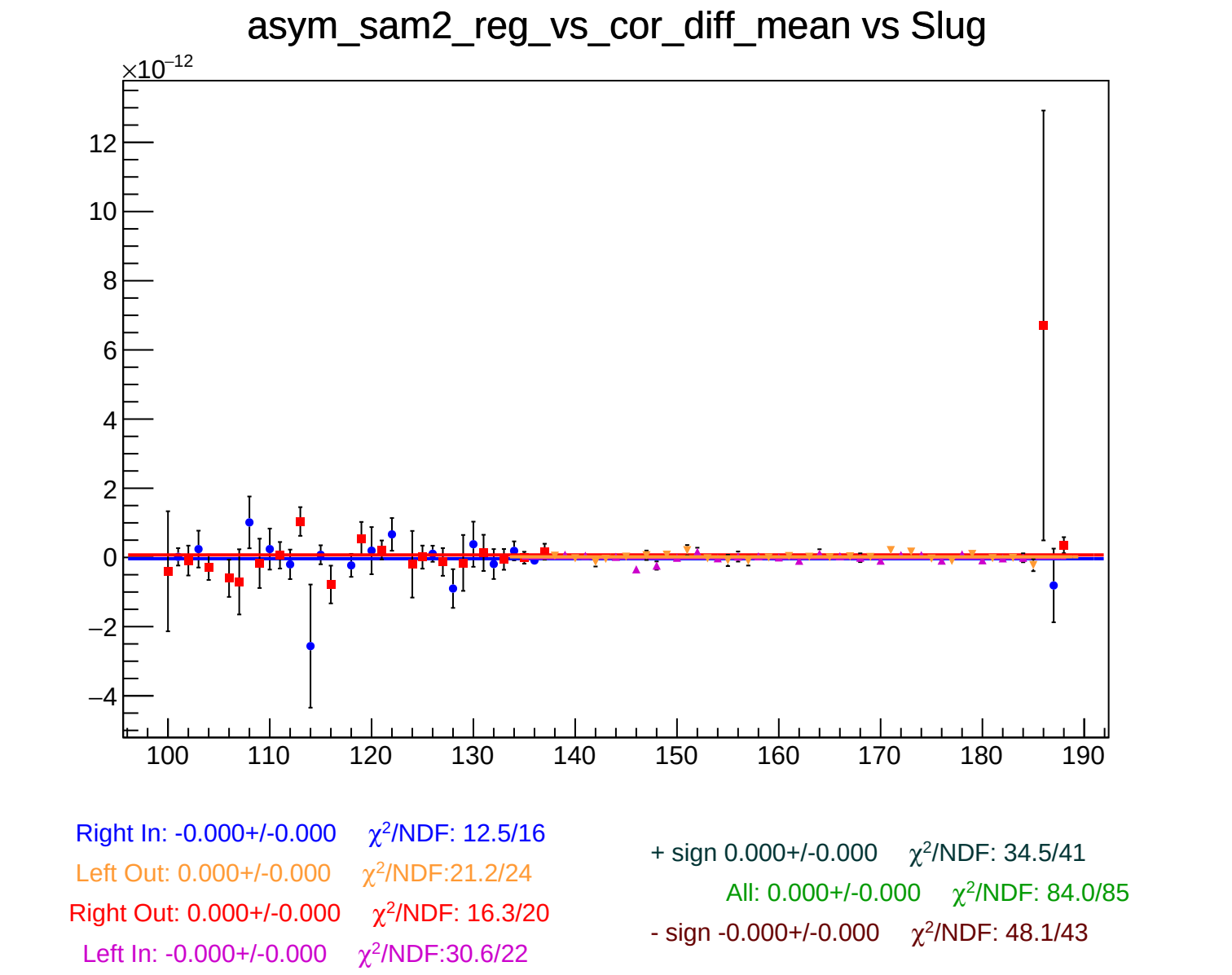
Right Out: 3964.089+/-0.995 χ^2/NDF: 1806562.7/20

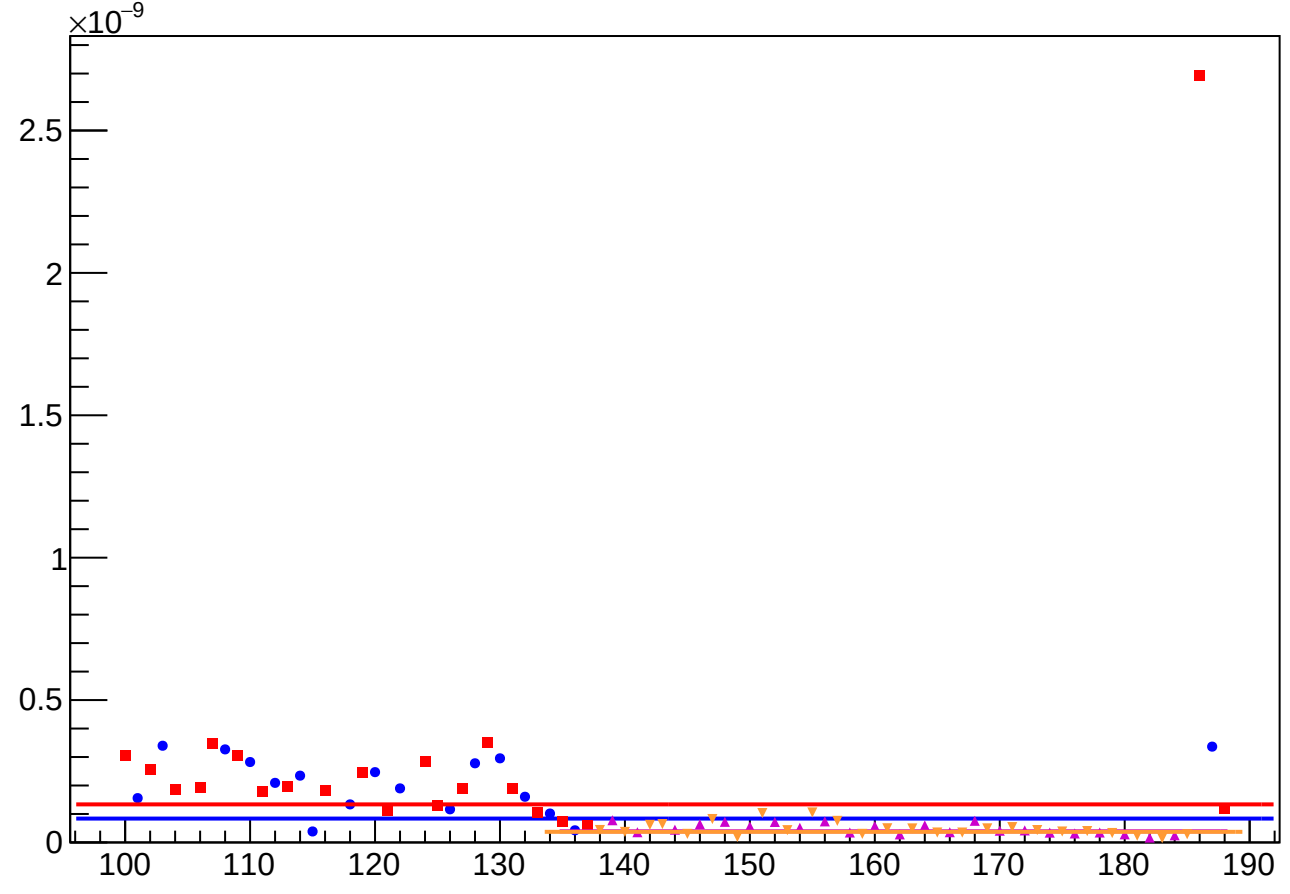
Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2149.557+/-0.307 χ^2/NDF: 4365630.4/41

All: 2179.734+/-0.221 χ^2/NDF: 10231074.4/8

- sign 2212.088+/-0.318 χ^2/NDF: 5845454.9/43


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 12.5/16
Left Out: 0.000+/-0.000 χ²/NDF:21.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.3/20
Left In: -0.000+/-0.000 χ²/NDF:30.6/22
+ sign 0.000+/-0.000 χ²/NDF: 34.5/41
All: 0.000+/-0.000 χ²/NDF: 84.0/85
- sign -0.000+/-0.000 χ²/NDF: 48.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 2815254.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

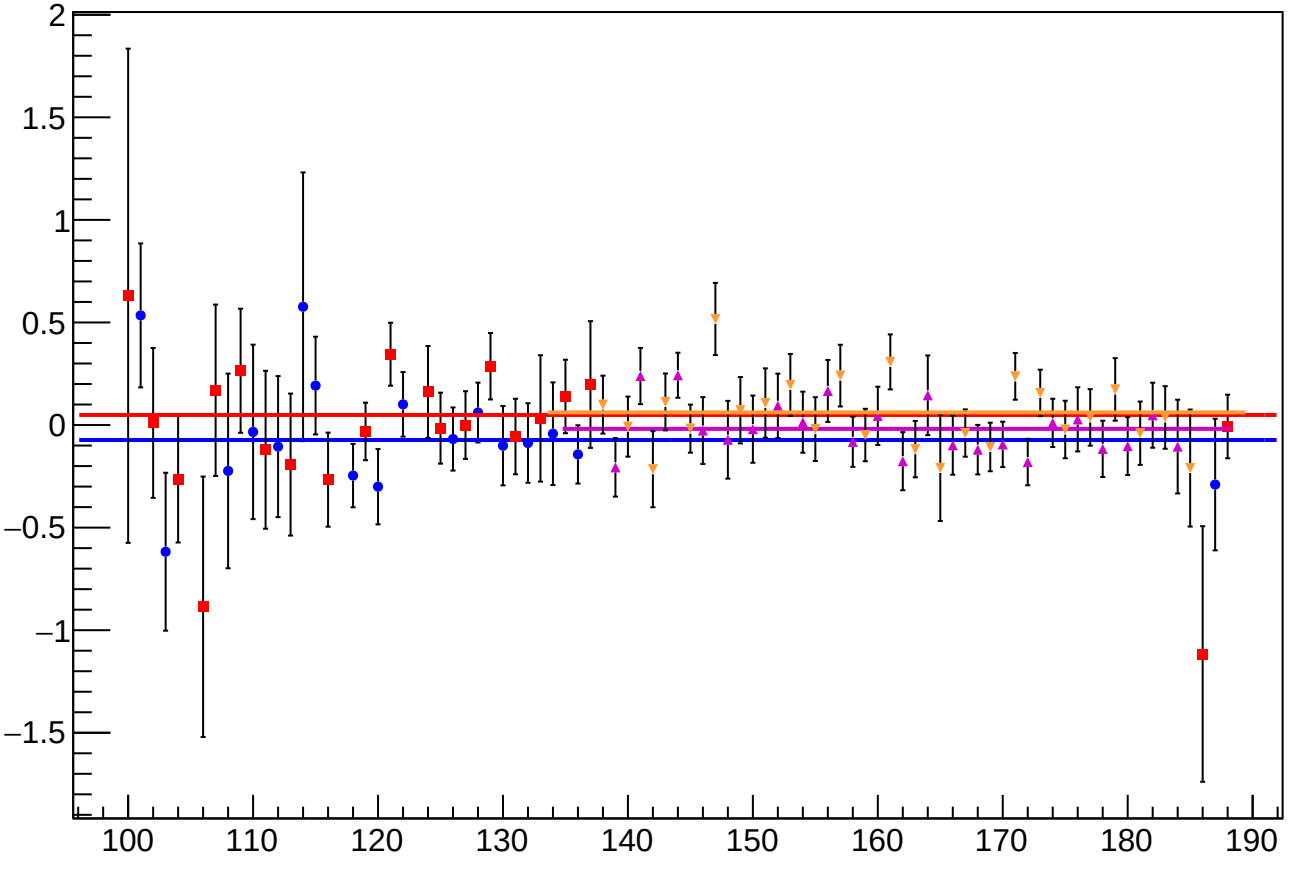
Right Out: 0.000+/-0.000 χ^2/NDF: 1750323.9/20

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6251177.1/41

All: 0.000+/-0.000 χ^2/NDF: 12658301.0/85

- sign 0.000+/-0.000 χ^2/NDF: 6372458.1/43



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.049+/-0.049 χ^2/NDF: 17.7/20

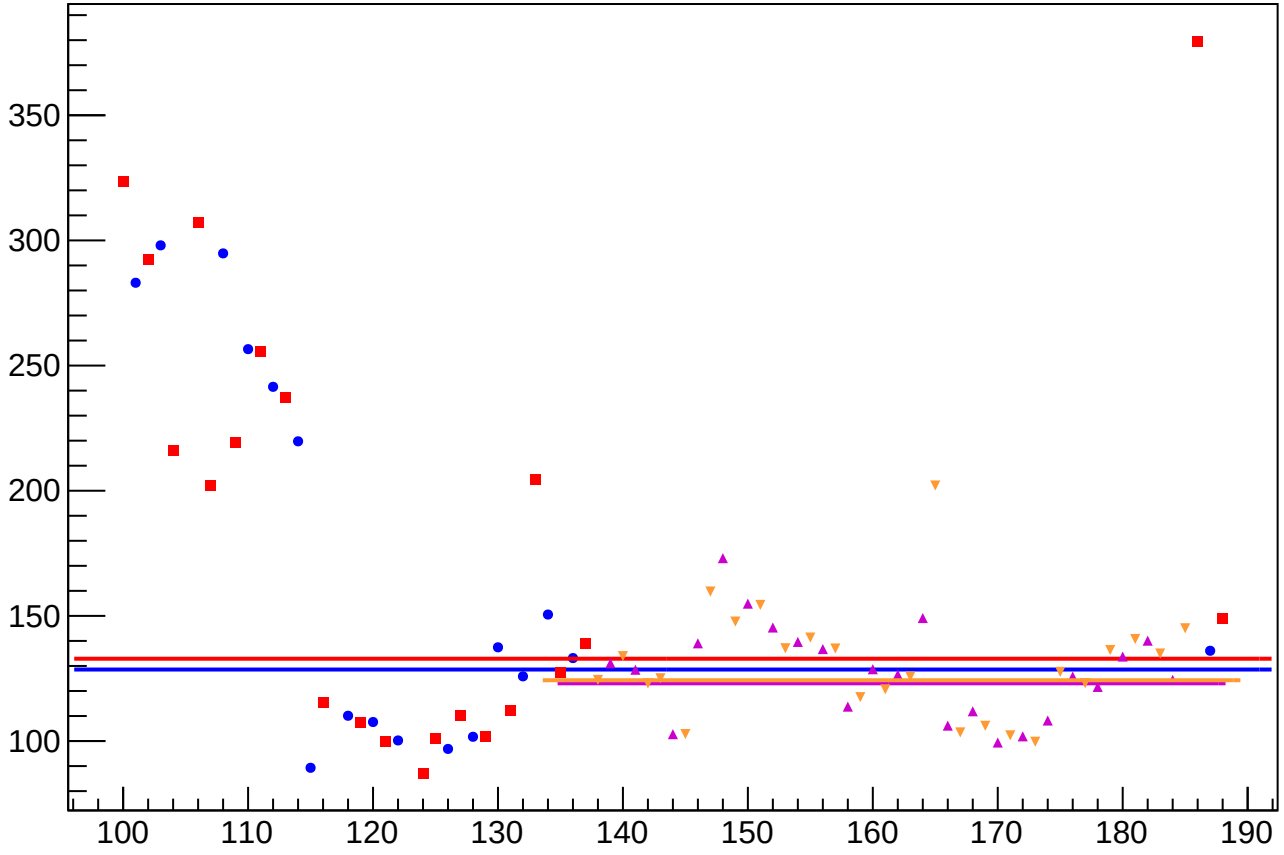
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.029+/-0.025 χ^2/NDF: 45.6/41

All: 0.014+/-0.018 χ^2/NDF: 85.8/85

- sign -0.001+/-0.025 χ^2/NDF: 39.5/43

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.575+/-0.036 χ^2/NDF: 1806198.3/16

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

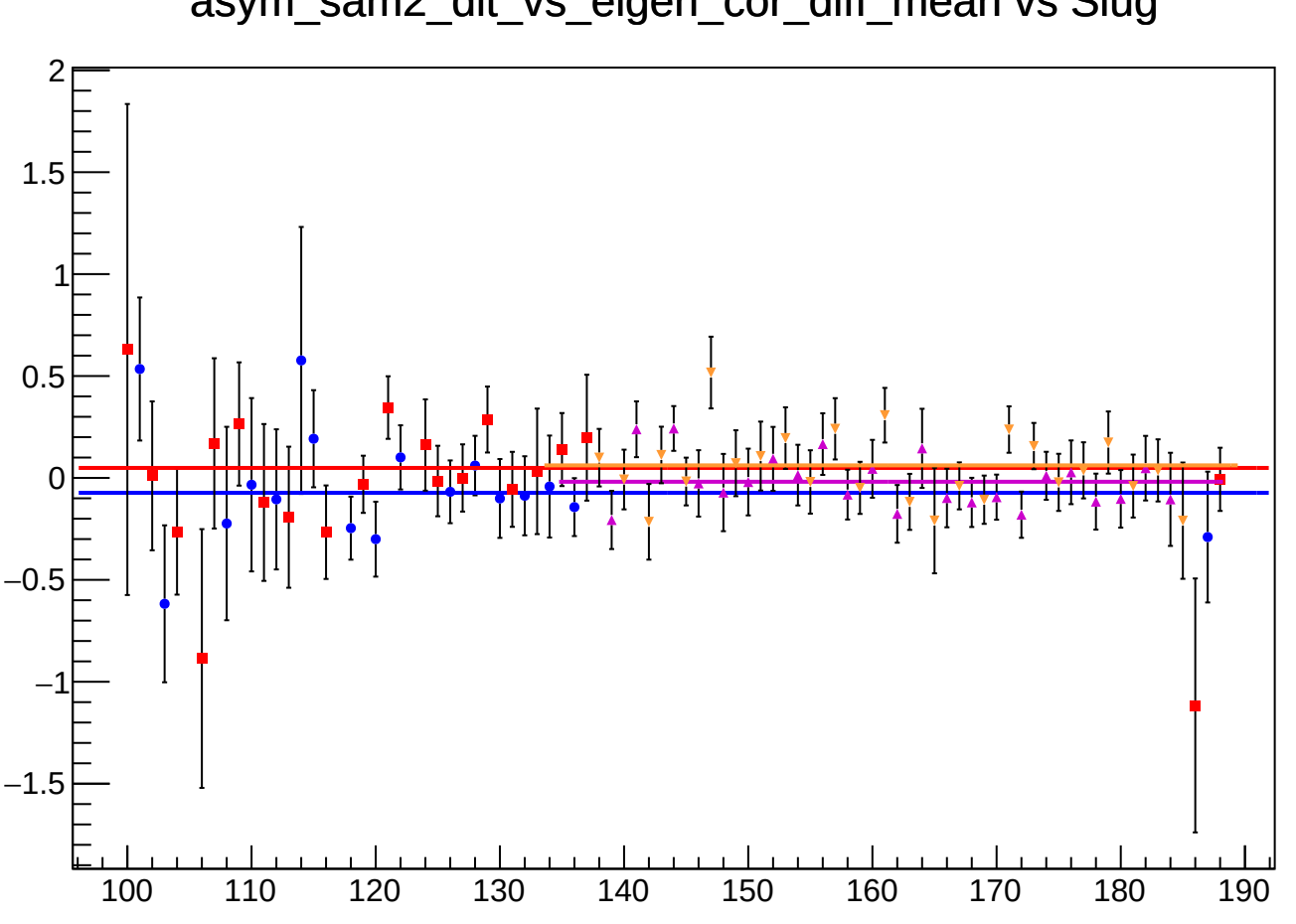
Right Out: 132.894+/-0.035 χ^2/NDF: 2232564.2/20

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 125.317+/-0.018 χ^2/NDF: 2657864.3/41

All: 125.492+/-0.013 χ^2/NDF: 5669046.5/85

- sign 125.669+/-0.018 χ^2/NDF: 3010985.5/43



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.049+/-0.049 χ^2/NDF: 17.7/20

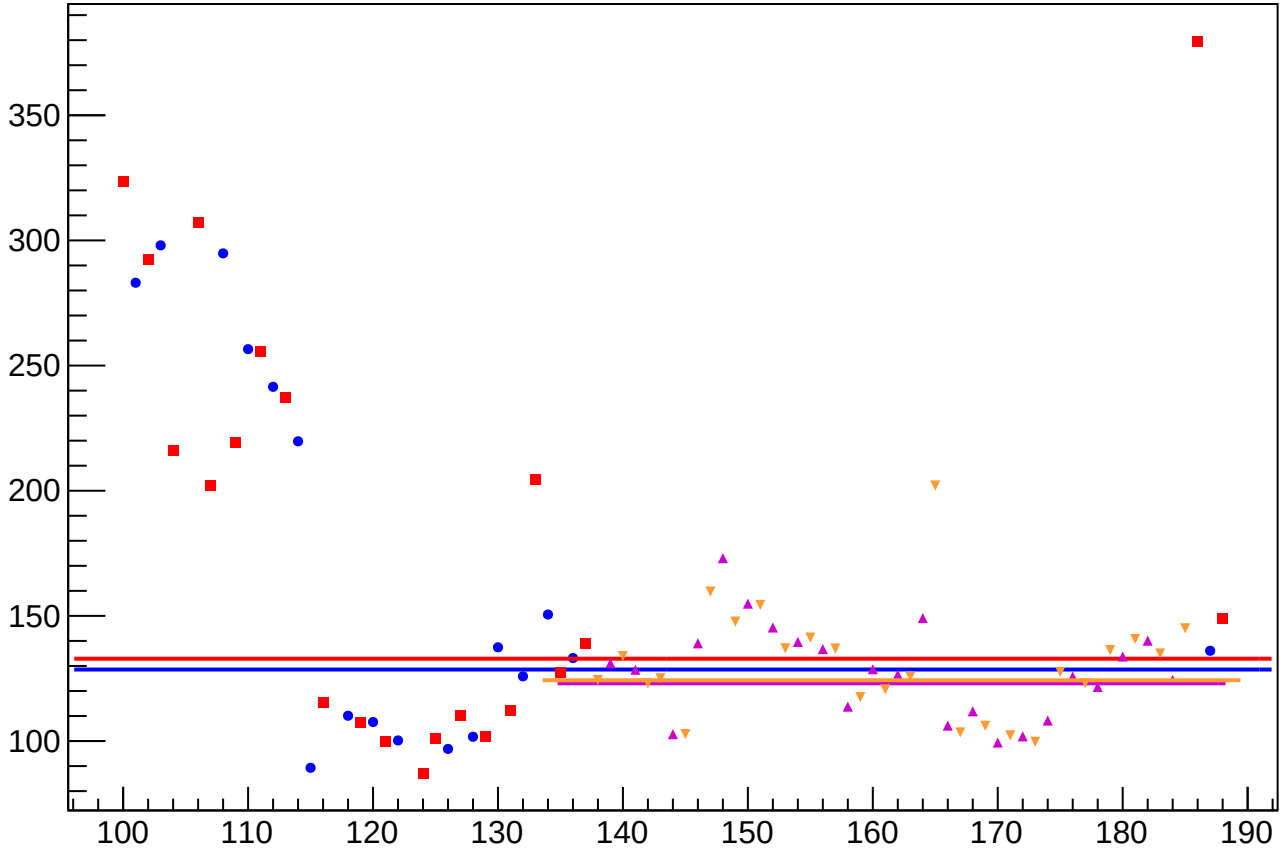
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.029+/-0.025 χ^2/NDF: 45.6/41

All: 0.014+/-0.018 χ^2/NDF: 85.8/85

- sign -0.001+/-0.025 χ^2/NDF: 39.5/43

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.575+/-0.036 χ^2/NDF: 1806198.3/16

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 132.894+/-0.035 χ^2/NDF: 2232564.2/20

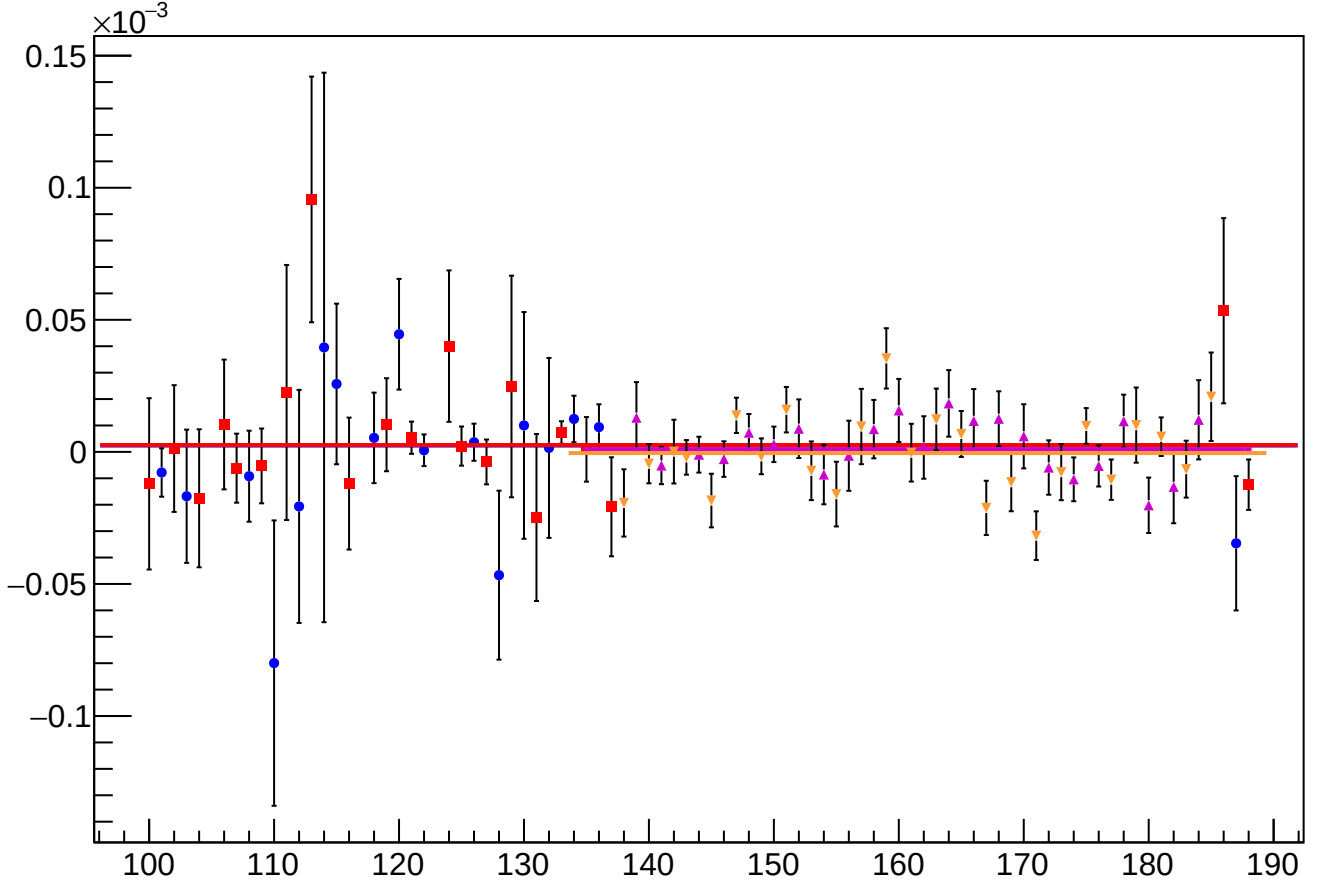
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 125.317+/-0.018 χ^2/NDF: 2657864.3/41

All: 125.492+/-0.013 χ^2/NDF: 5669046.5/85

- sign 125.669+/-0.018 χ^2/NDF: 3010985.5/43

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.3/20

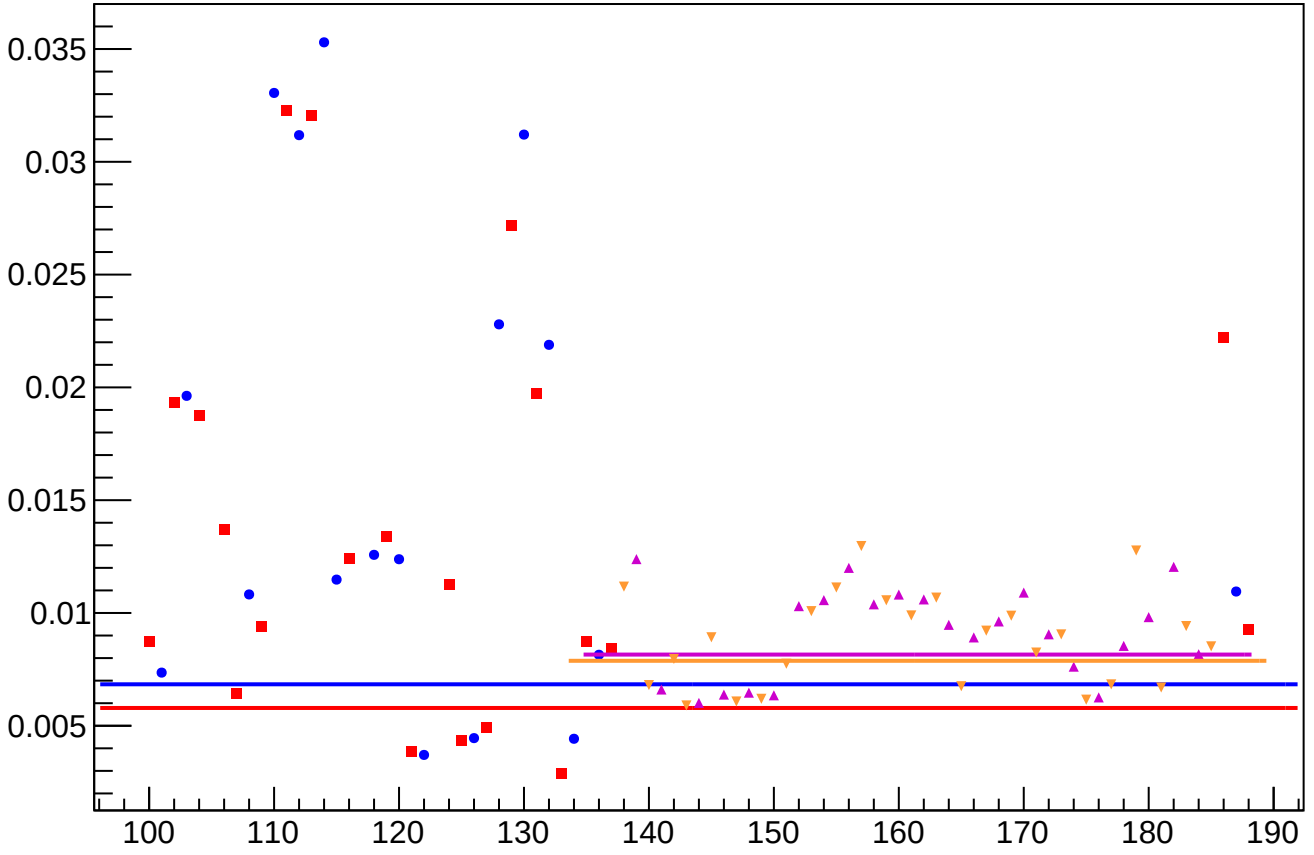
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.3/41

All: 0.000+/-0.000 χ^2/NDF: 107.1/85

- sign 0.000+/-0.000 χ^2/NDF: 37.5/43

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4825423.5/16

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

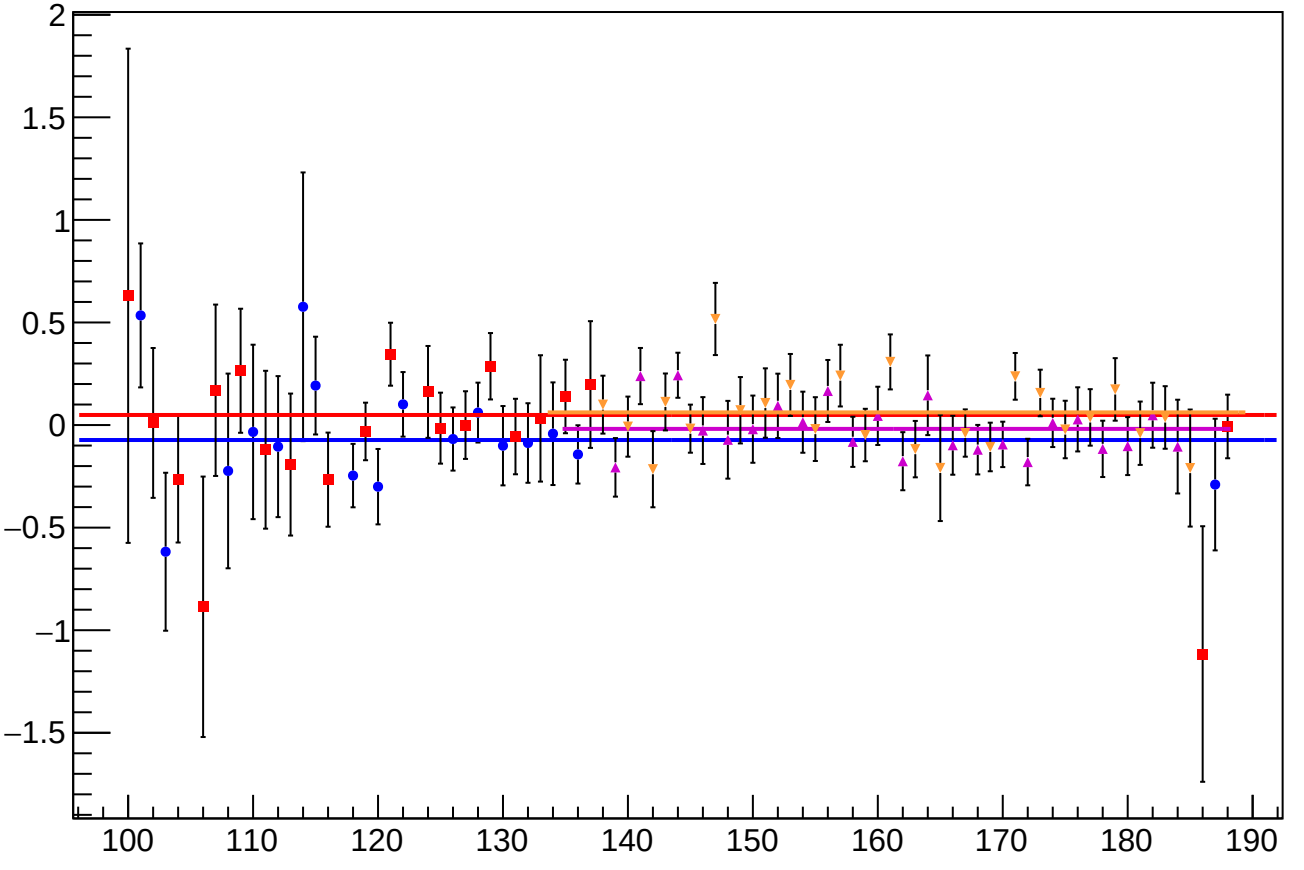
Right Out: 0.006+/-0.000 χ^2/NDF: 6310316.2/20

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7067054.5/41

All: 0.007+/-0.000 χ^2/NDF: 16551223.1/85

- sign 0.007+/-0.000 χ^2/NDF: 9429364.7/43



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.049+/-0.049 χ^2/NDF: 17.7/20

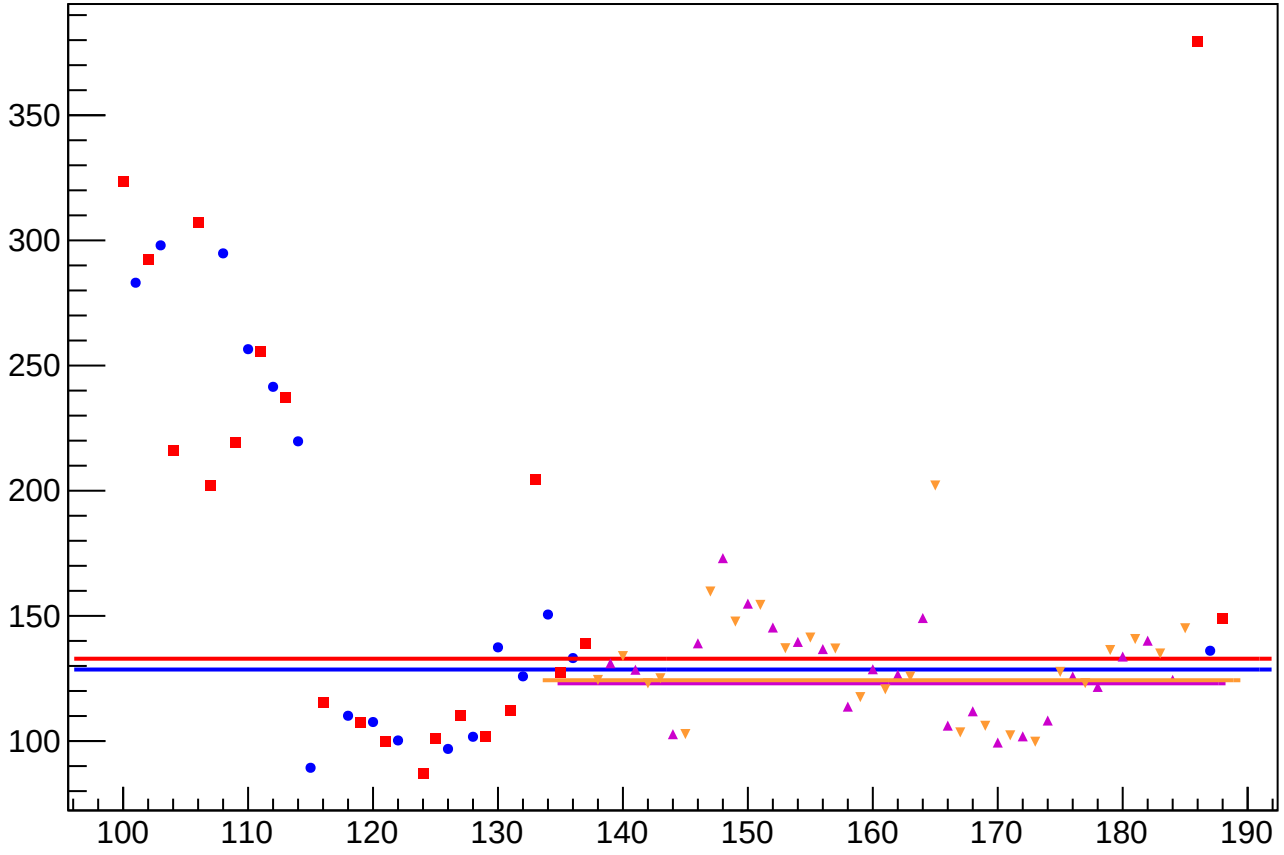
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.029+/-0.025 χ^2/NDF: 45.6/41

All: 0.014+/-0.018 χ^2/NDF: 85.8/85

- sign -0.001+/-0.025 χ^2/NDF: 39.5/43

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.572+/-0.036 χ^2/NDF: 1806148.2/16

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

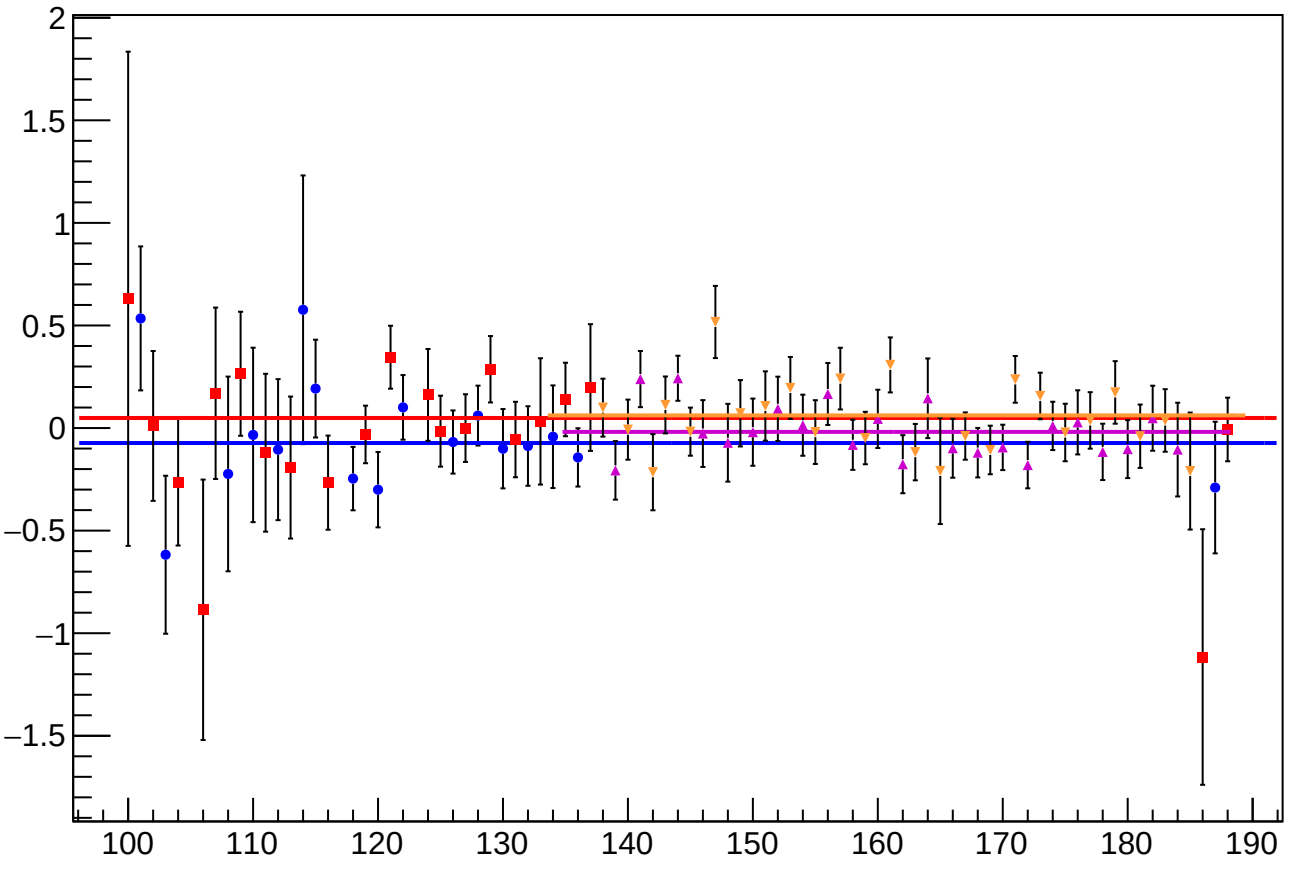
Right Out: 132.892+/-0.035 χ^2/NDF: 2232573.8/20

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 125.317+/-0.018 χ^2/NDF: 2657853.4/41

All: 125.492+/-0.013 χ^2/NDF: 5669039.3/85

- sign 125.668+/-0.018 χ^2/NDF: 3010989.3/43



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.049+/-0.049 χ^2/NDF: 17.7/20

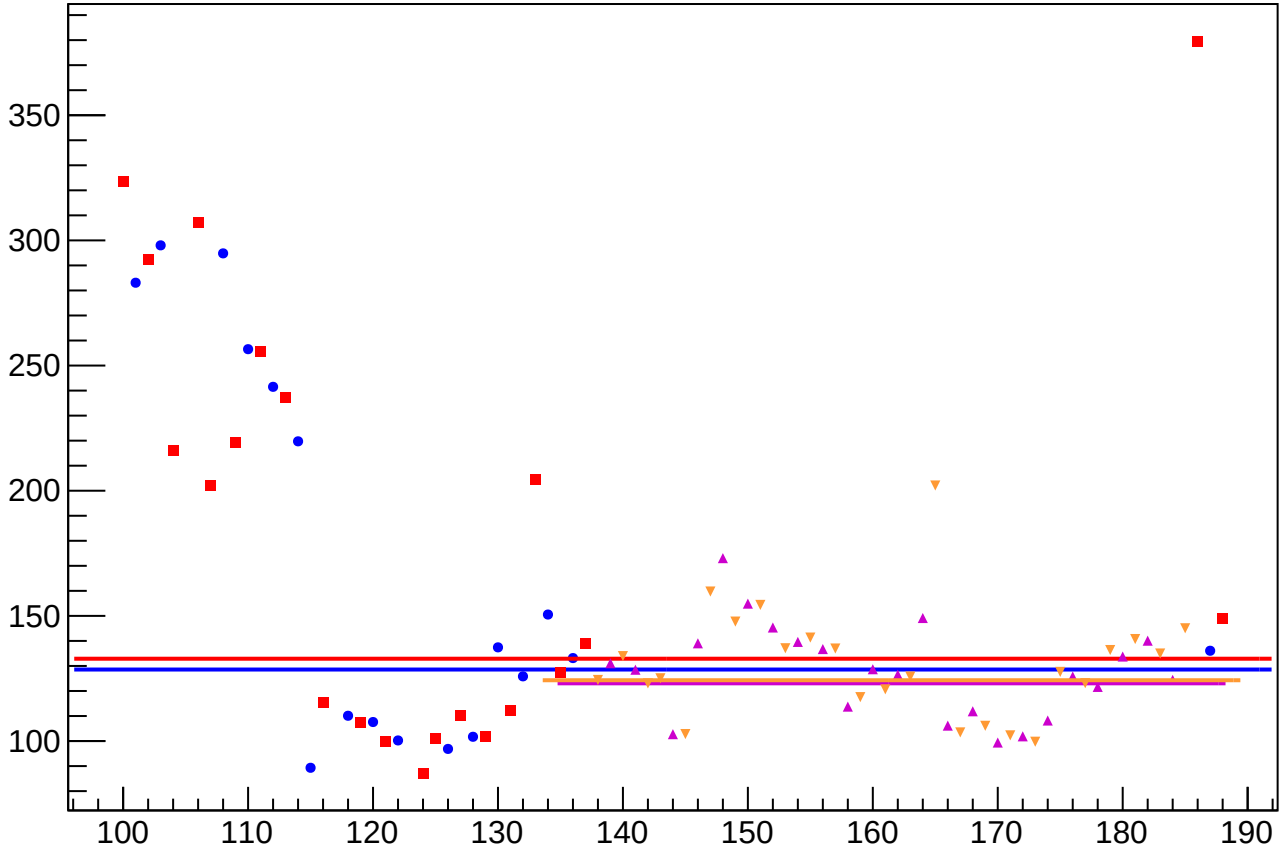
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.029+/-0.025 χ^2/NDF: 45.6/41

All: 0.014+/-0.018 χ^2/NDF: 85.8/85

- sign -0.001+/-0.025 χ^2/NDF: 39.5/43

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.572+/-0.036 χ^2/NDF: 1806148.2/16

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 132.892+/-0.035 χ^2/NDF: 2232573.8/20

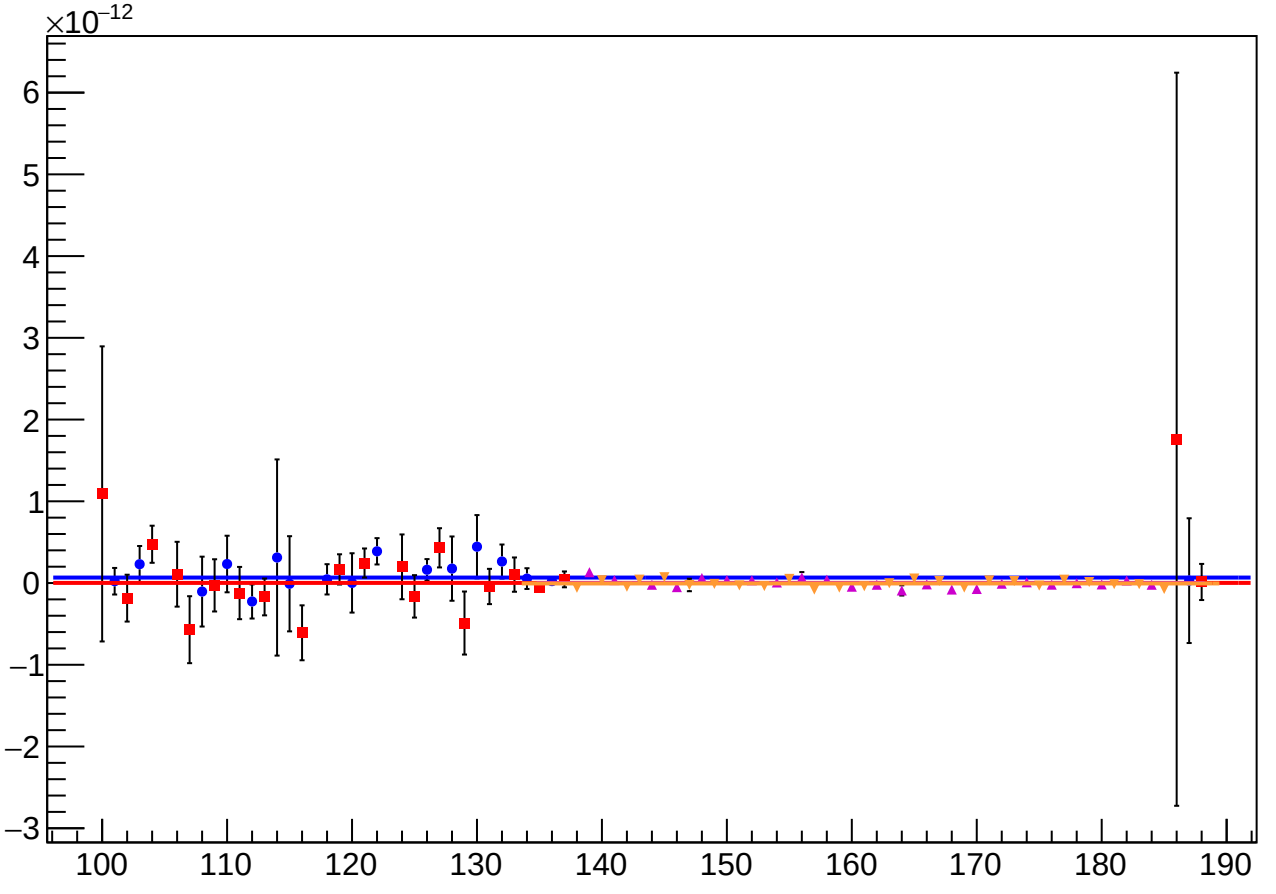
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

\+ sign 125.317+/-0.018 χ^2/NDF: 2657853.4/41

All: 125.492+/-0.013 χ^2/NDF: 5669039.3/85

\- sign 125.668+/-0.018 χ^2/NDF: 3010989.3/43

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/20

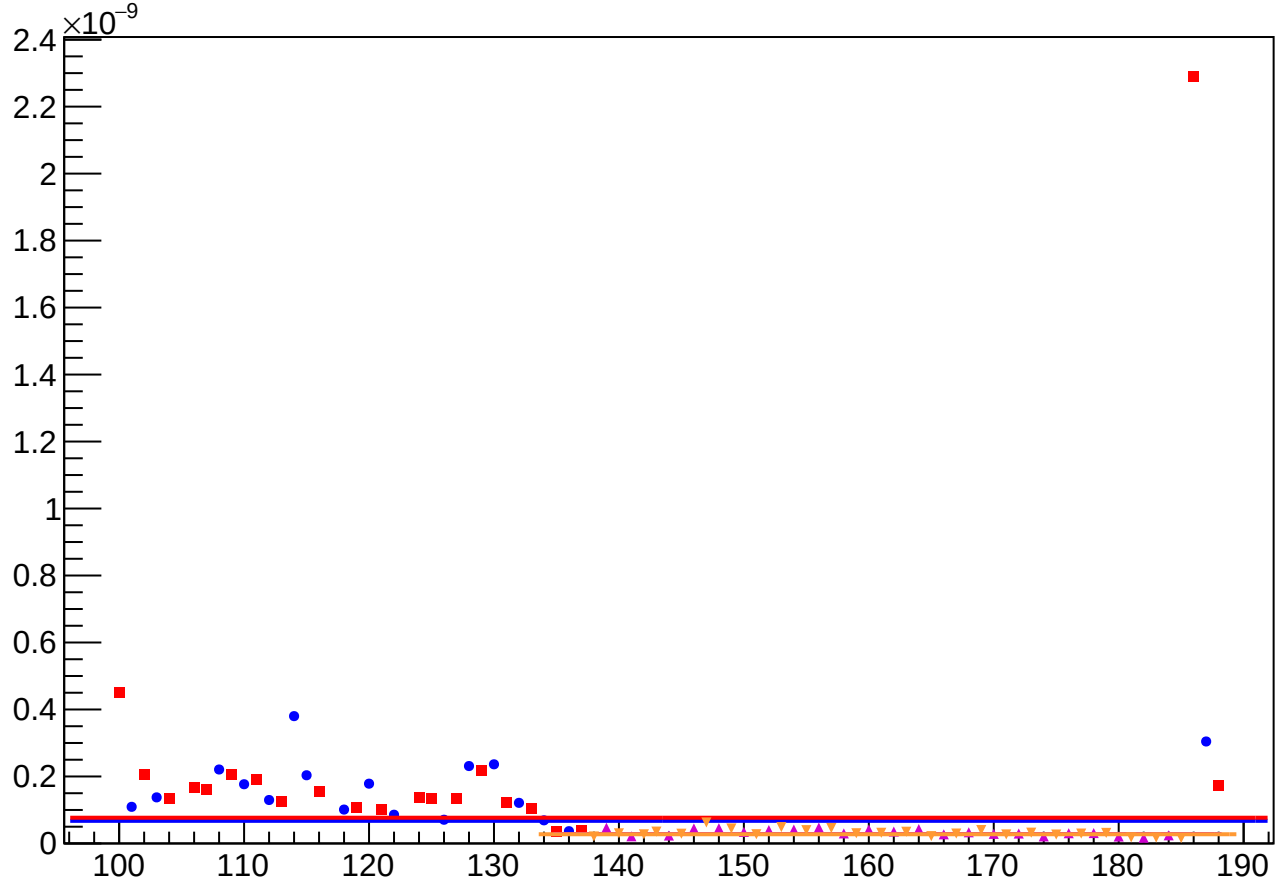
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.6/41

All: -0.000+/-0.000 χ^2/NDF: 84.1/85

- sign 0.000+/-0.000 χ^2/NDF: 45.5/43

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3373958.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4529998.1/20

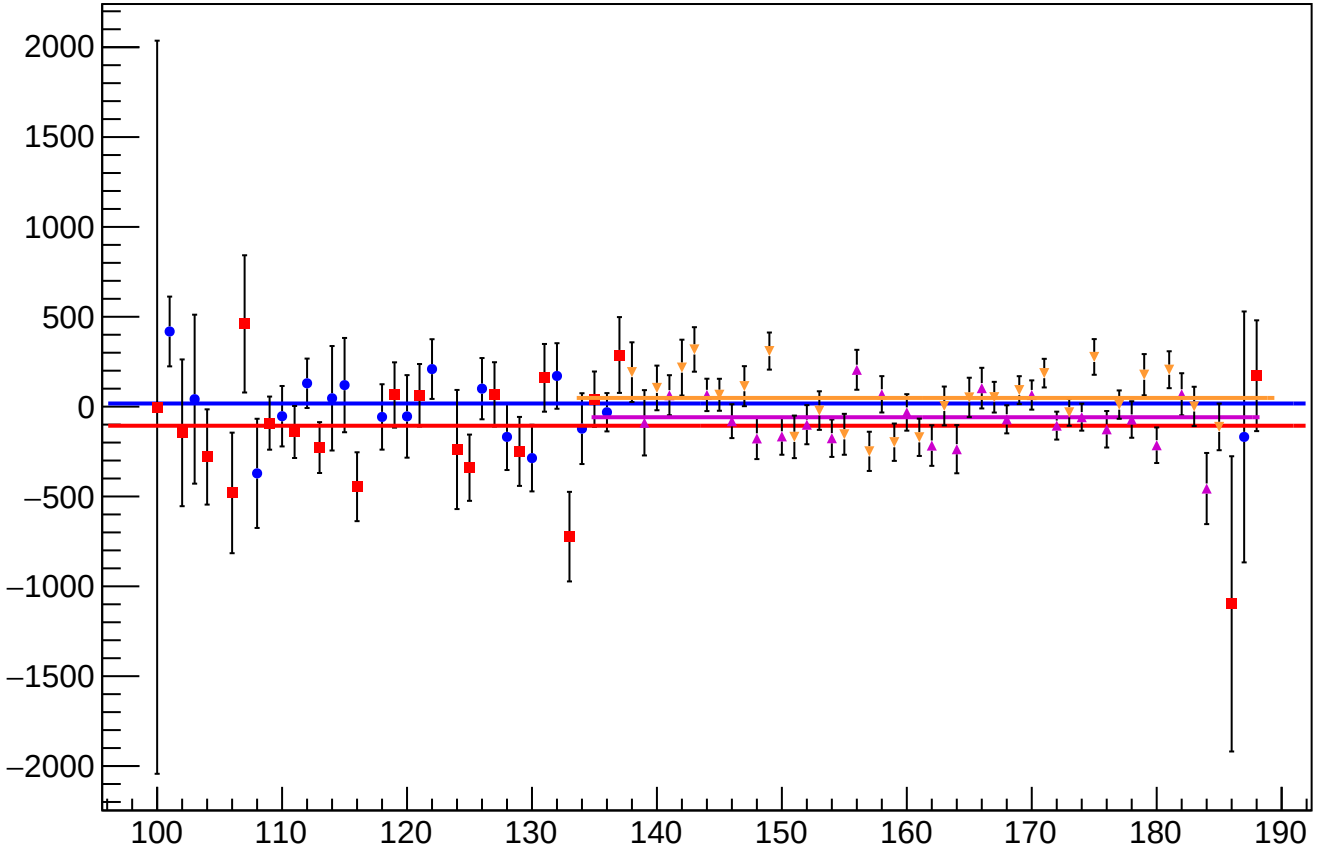
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8124109.2/41

All: 0.000+/-0.000 χ^2/NDF: 17866503.5/85

- sign 0.000+/-0.000 χ^2/NDF: 9725744.8/43

reg_asym_sam3_mean vs Slug



Right In: 17.407+/-45.606 χ^2/NDF: 13.9/16

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -106.366+/-45.258 χ^2/NDF: 27.8/20

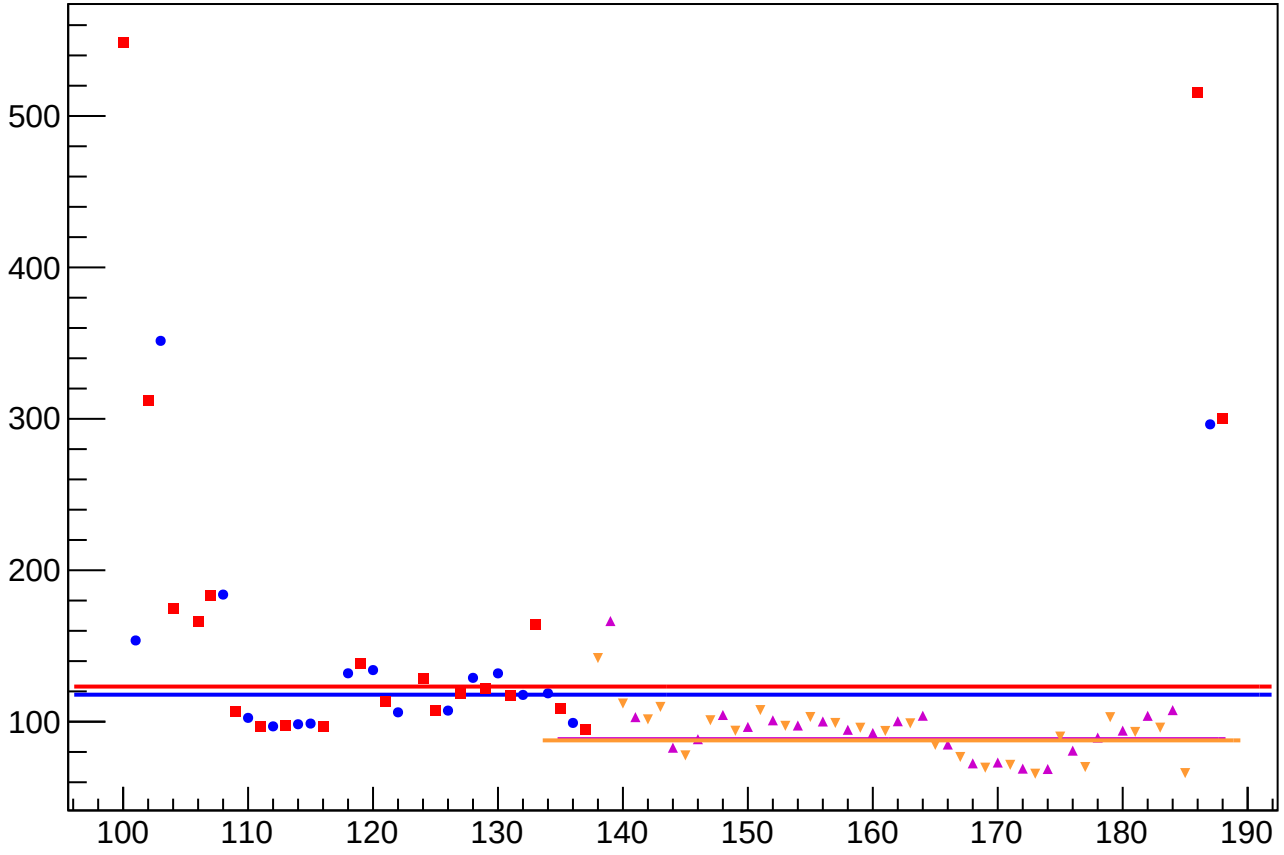
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 43.217+/-18.639 χ^2/NDF: 67.9/41

All: -10.604+/-13.362 χ^2/NDF: 144.3/85

- sign -67.505+/-19.165 χ^2/NDF: 59.3/43

reg_asym_sam3_rms vs Slug



Right In: 117.828+/-0.032 χ^2/NDF: 989749.3/16

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 123.193+/-0.032 χ^2/NDF: 2132479.3/20

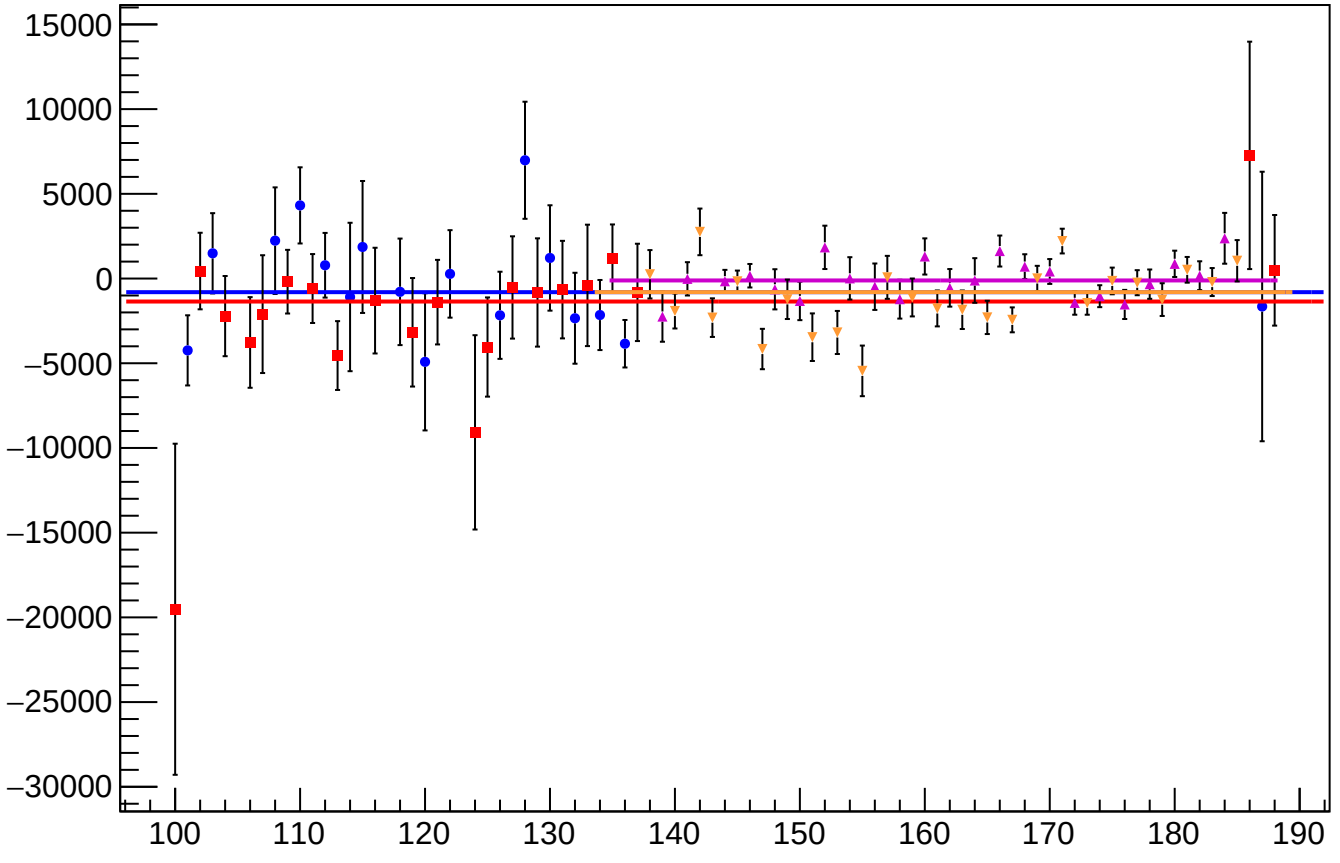
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 92.696+/-0.013 χ^2/NDF: 2932162.3/41

All: 93.673+/-0.009 χ^2/NDF: 7117097.8/85

- sign 94.707+/-0.014 χ^2/NDF: 4173615.1/43

asym_sam3_reg_correction_mean vs Slug



Right In: -804.206+/-614.170 χ^2/NDF: 23.5/16

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -1356.914+/-600.148 χ^2/NDF: 14.9/20

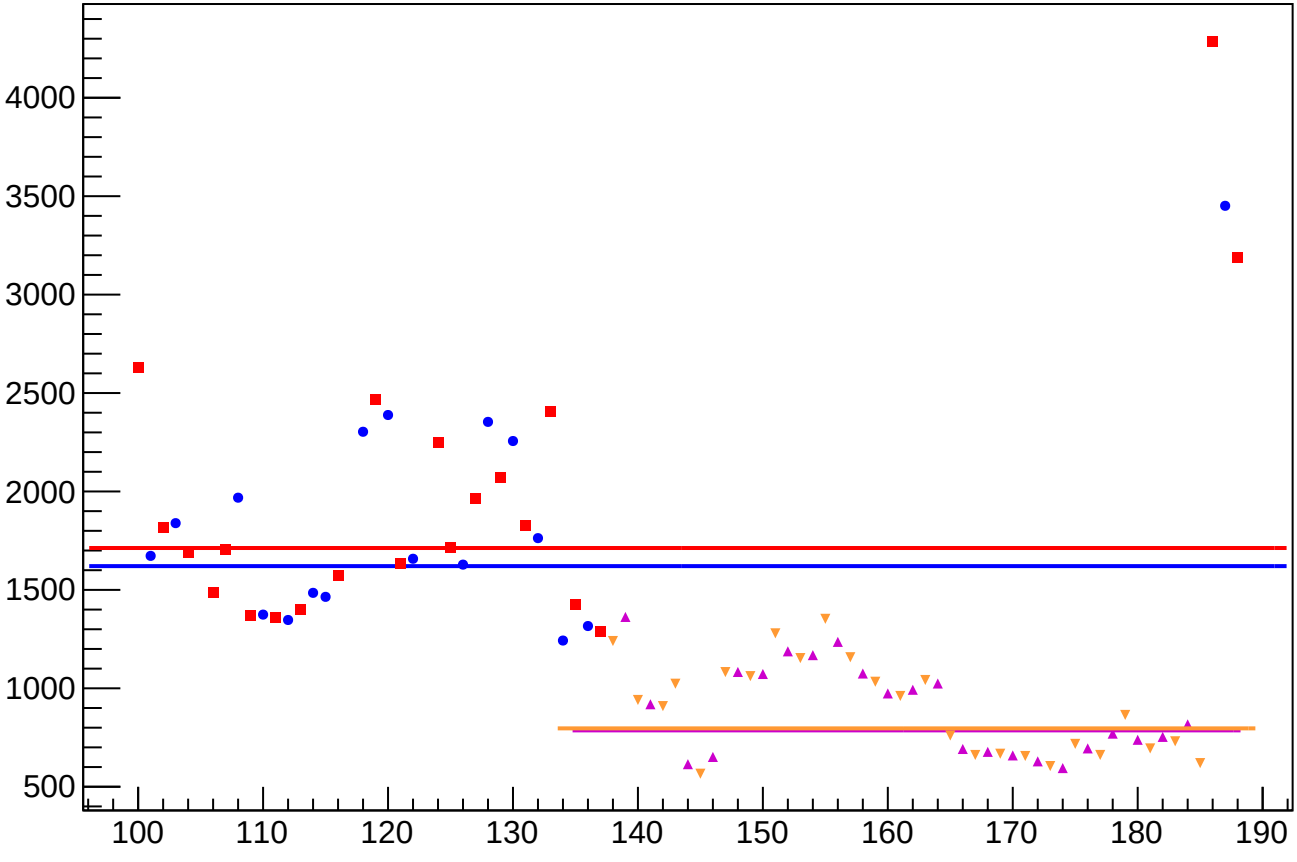
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -801.737+/-179.552 χ^2/NDF: 95.3/41

All: -516.841+/-127.601 χ^2/NDF: 146.3/85

- sign -226.141+/-181.373 χ^2/NDF: 45.9/43

asym_sam3_reg_correction_rms vs Slug



Right In: 1620.759+/-0.434 χ^2/NDF: 725668.4/16

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1712.747+/-0.424 χ^2/NDF: 1251274.1/20

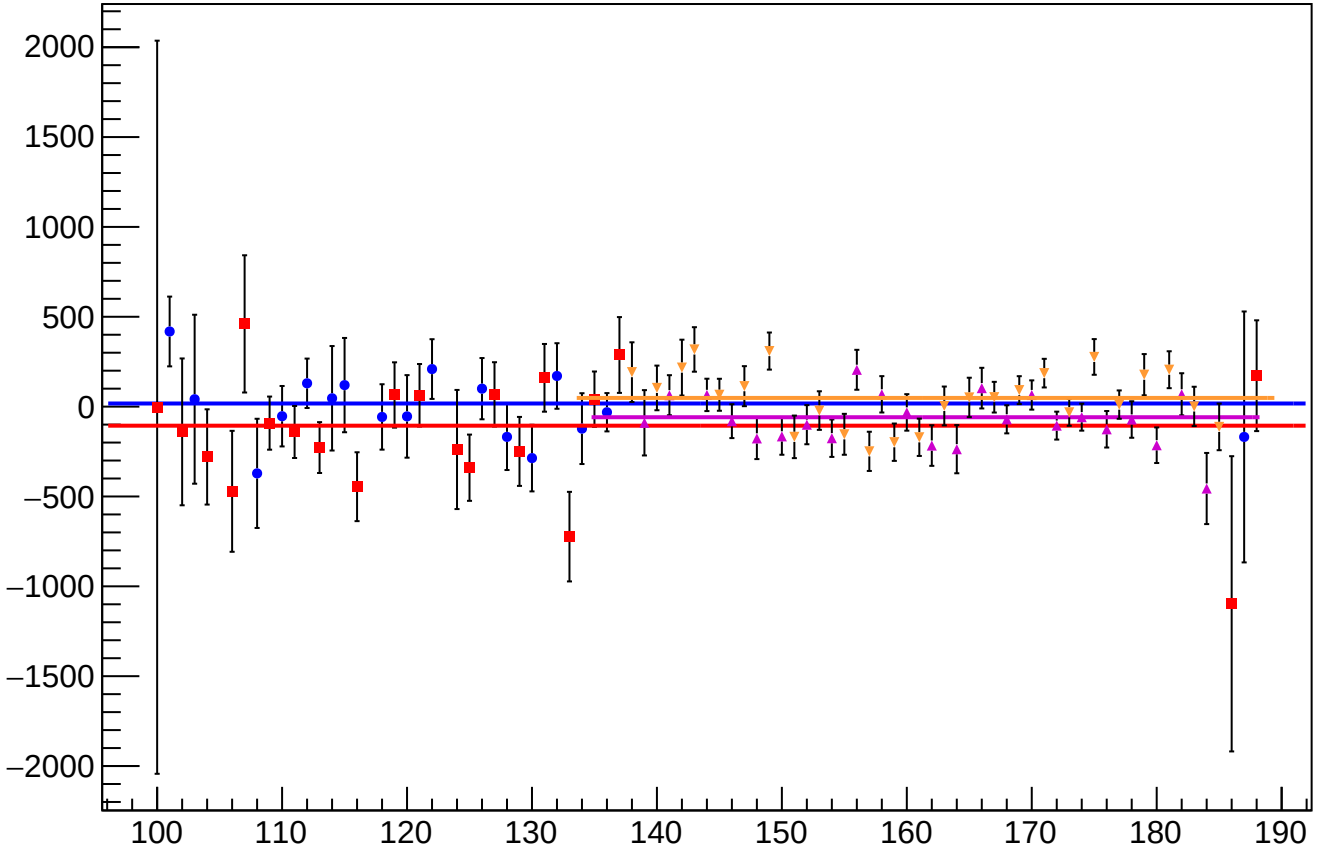
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 866.970+/-0.127 χ^2/NDF: 6437771.8/41

All: 868.938+/-0.090 χ^2/NDF: 14176498.4/85

- sign 870.947+/-0.128 χ^2/NDF: 7738240.7/43

cor_asym_sam3_mean vs Slug



Right In: 17.394+/-45.606 χ^2/NDF: 13.9/16

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -106.088+/-45.261 χ^2/NDF: 27.7/20

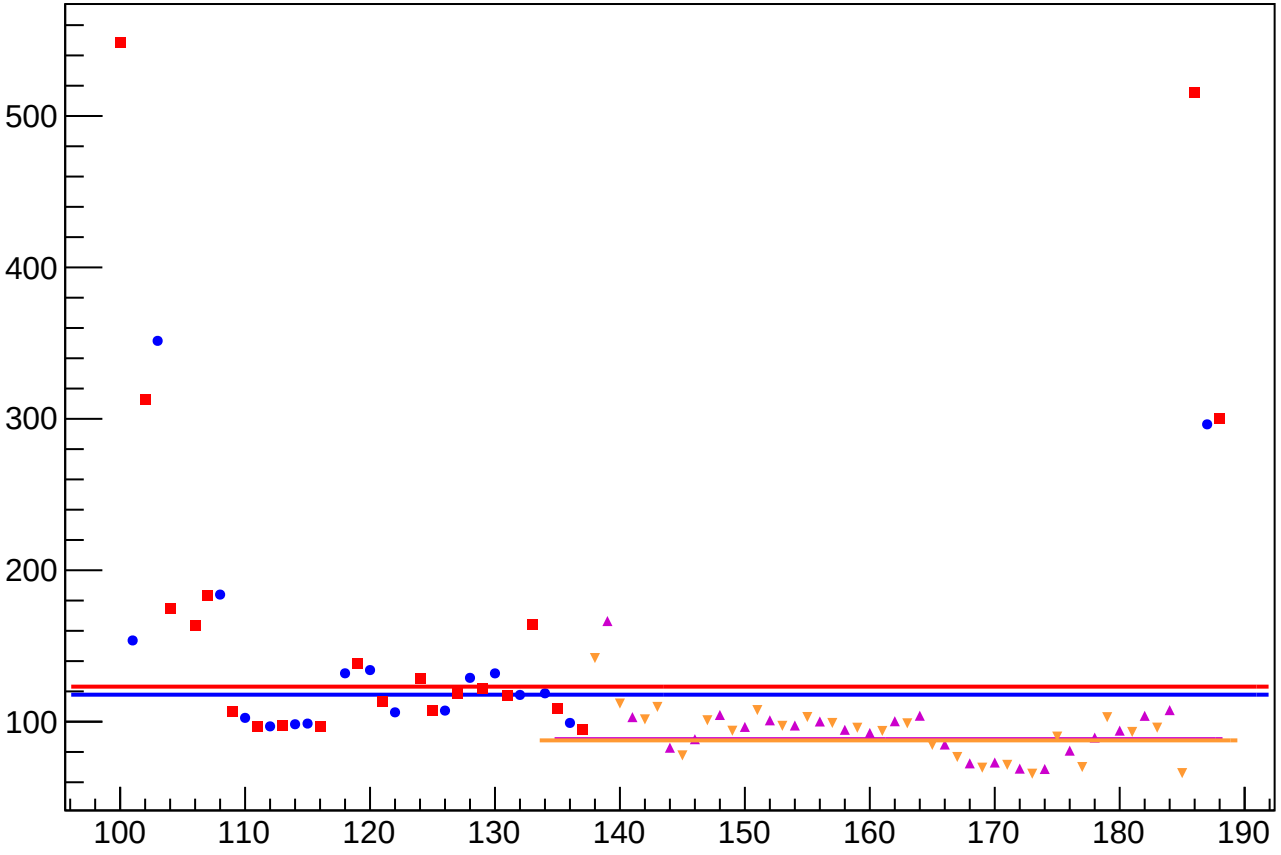
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.220+/-18.639 χ^2/NDF: 67.9/41

All: -10.578+/-13.362 χ^2/NDF: 144.2/85

- sign -67.457+/-19.166 χ^2/NDF: 59.2/43

cor_asym_sam3_rms vs Slug



Right In: 117.828+/-0.032 χ^2/NDF: 989751.4/16

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

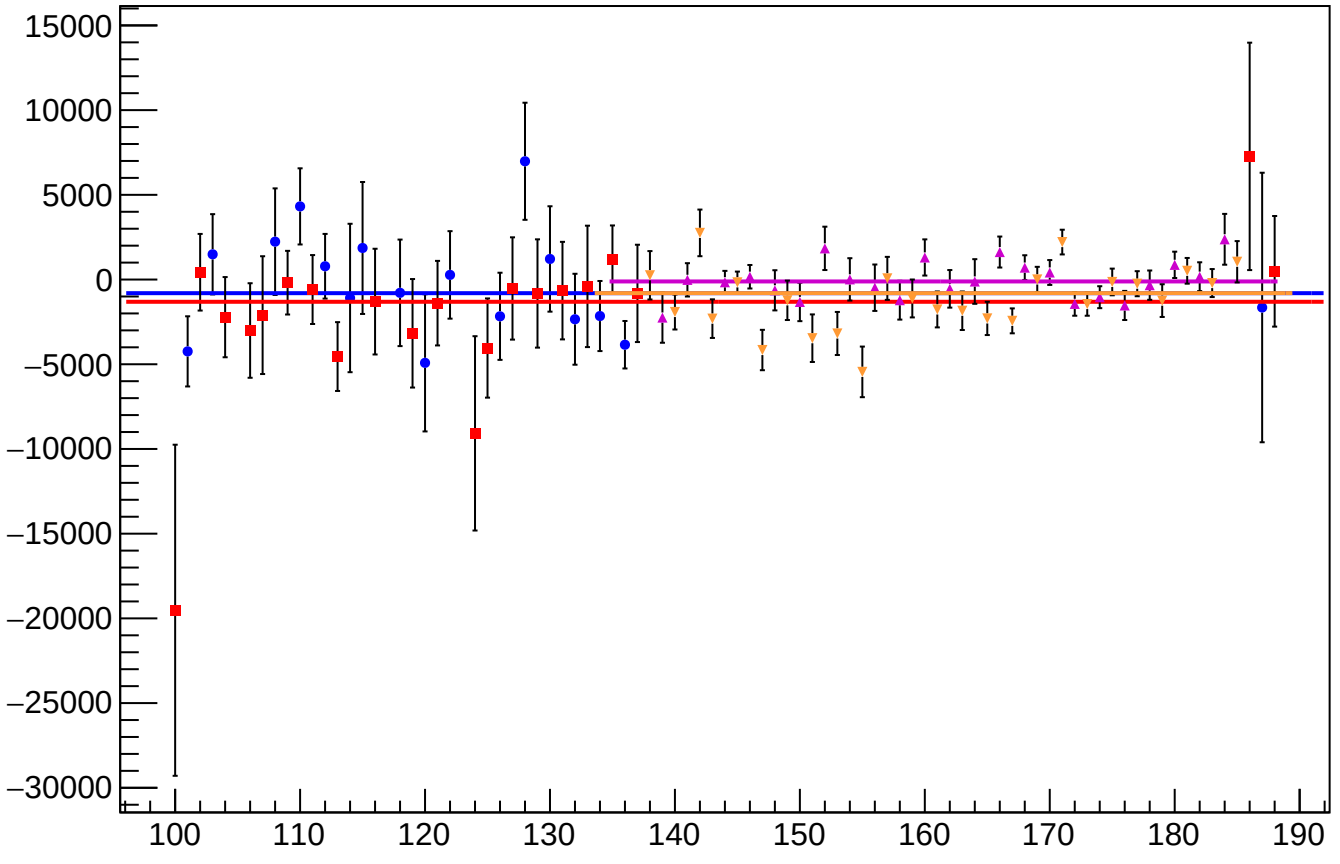
Right Out: 123.143+/-0.032 χ^2/NDF: 2128788.5/20

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 92.696+/-0.013 χ^2/NDF: 2932163.8/41

All: 93.669+/-0.009 χ^2/NDF: 7110428.0/85

- sign 94.697+/-0.014 χ^2/NDF: 4167051.7/43



Right In: -804.190+/-614.175 χ^2/NDF: 23.5/16

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1312.776+/-601.410 χ^2/NDF: 14.4/20

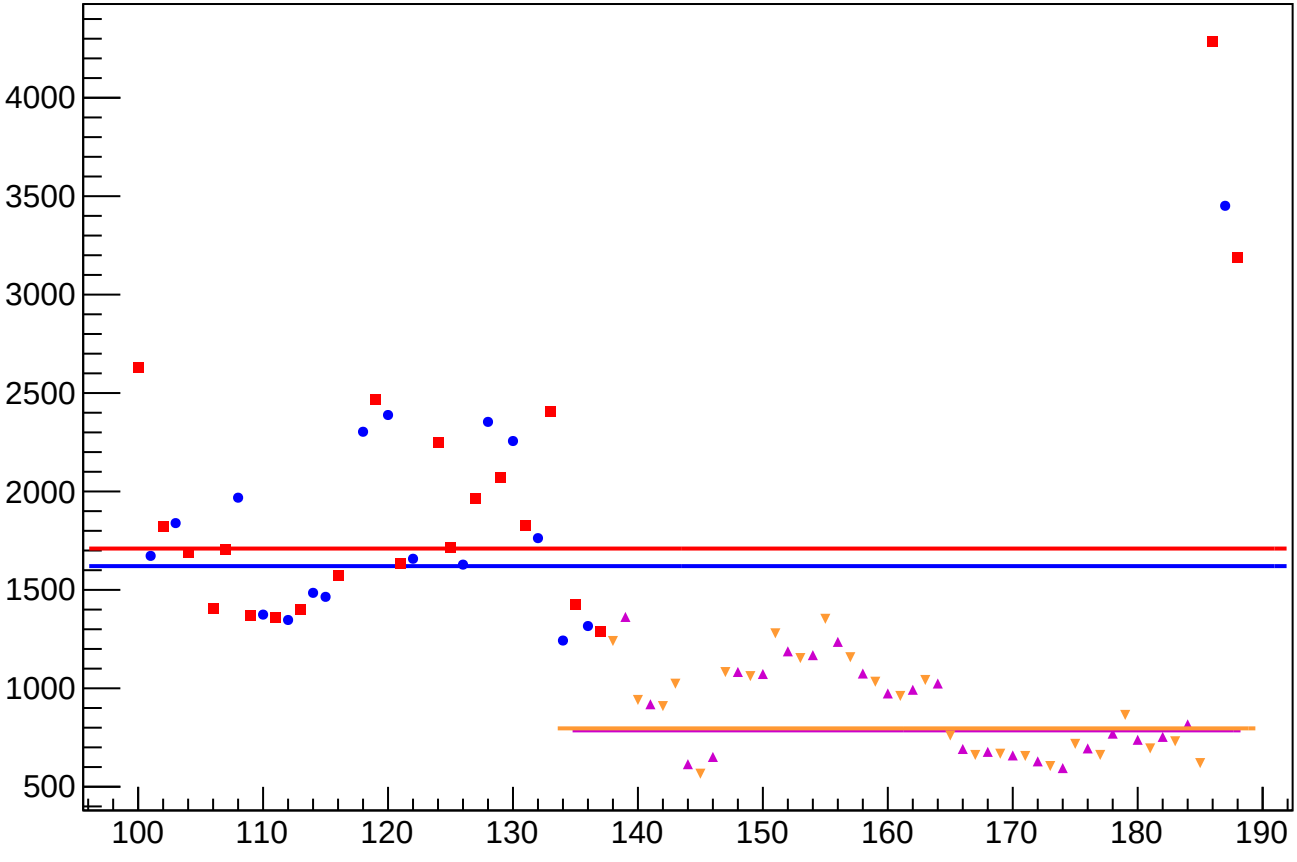
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.729+/-179.553 χ^2/NDF: 95.3/41

All: -514.691+/-127.614 χ^2/NDF: 145.6/85

- sign -221.693+/-181.407 χ^2/NDF: 45.1/43

asym_sam3_cor_correction_rms vs Slug



Right In: 1620.769+/-0.434 χ^2/NDF: 725696.2/16

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1709.996+/-0.425 χ^2/NDF: 1261276.7/20

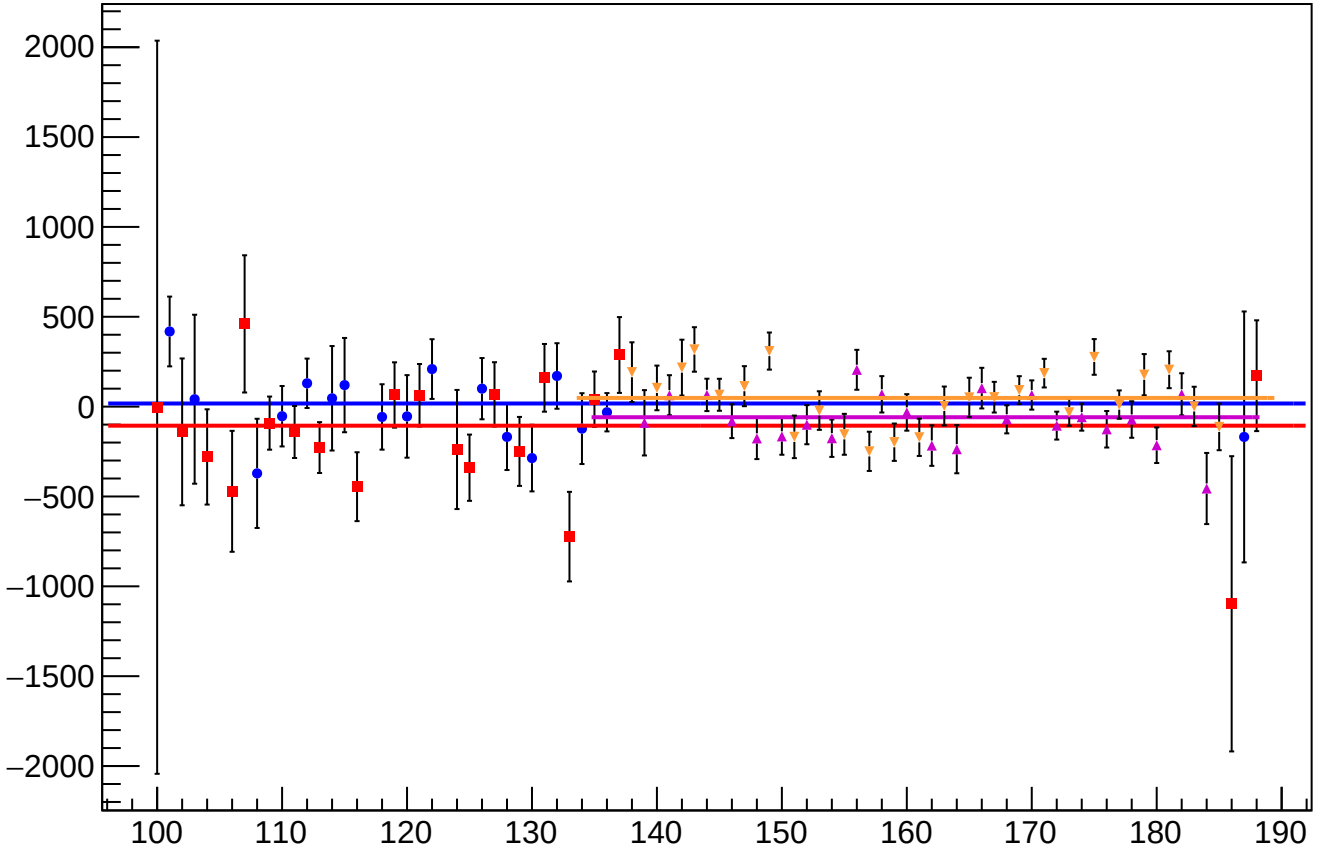
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 866.969+/-0.127 χ^2/NDF: 6437829.8/41

All: 868.655+/-0.090 χ^2/NDF: 14144332.7/85

- sign 870.375+/-0.128 χ^2/NDF: 7706146.9/43

eigen_cor_asym_sam3_mean vs Slug



Right In: 17.394+/-45.606 χ^2/NDF: 13.9/16

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -106.088+/-45.261 χ^2/NDF: 27.7/20

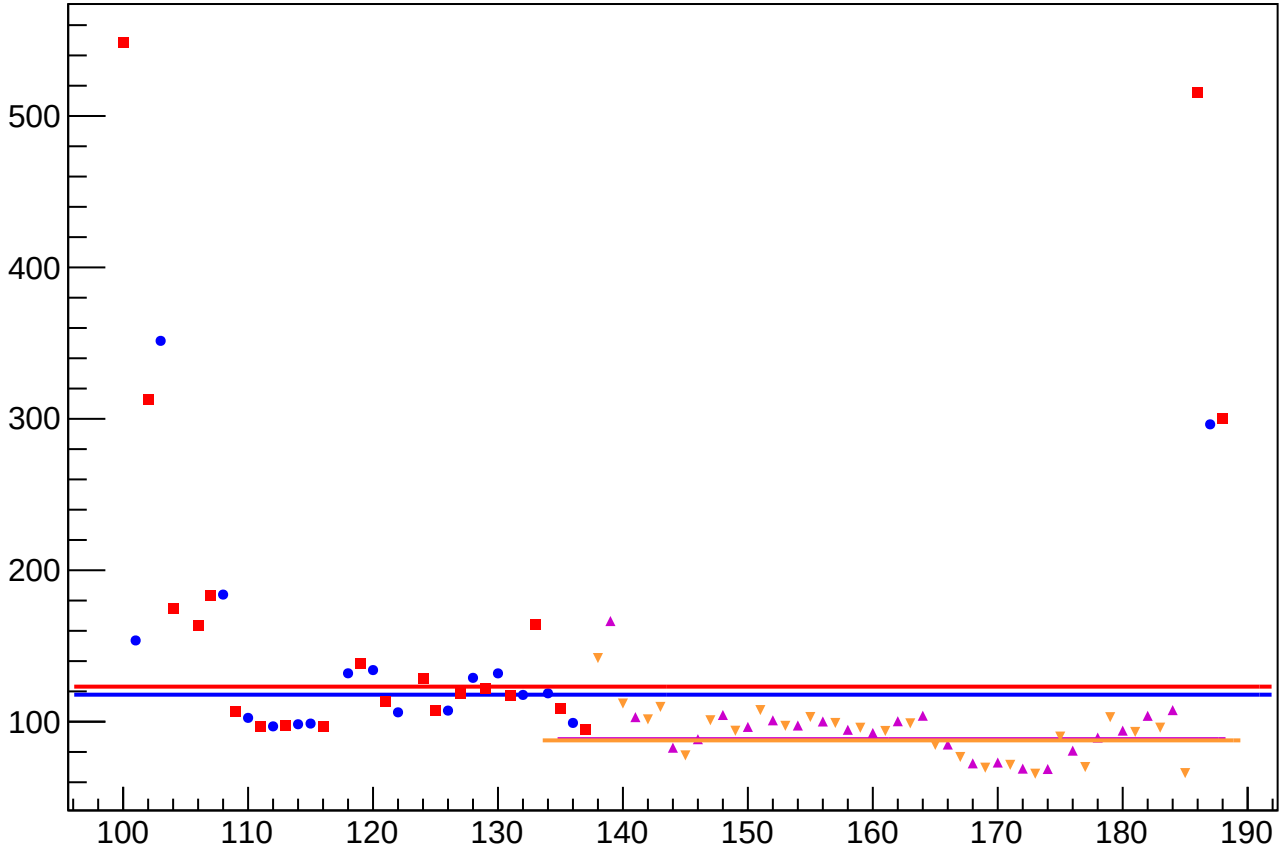
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.220+/-18.639 χ^2/NDF: 67.9/41

All: -10.578+/-13.362 χ^2/NDF: 144.2/85

- sign -67.457+/-19.166 χ^2/NDF: 59.2/43

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.828+/-0.032 χ^2/NDF: 989751.4/16

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 123.143+/-0.032 χ^2/NDF: 2128788.5/20

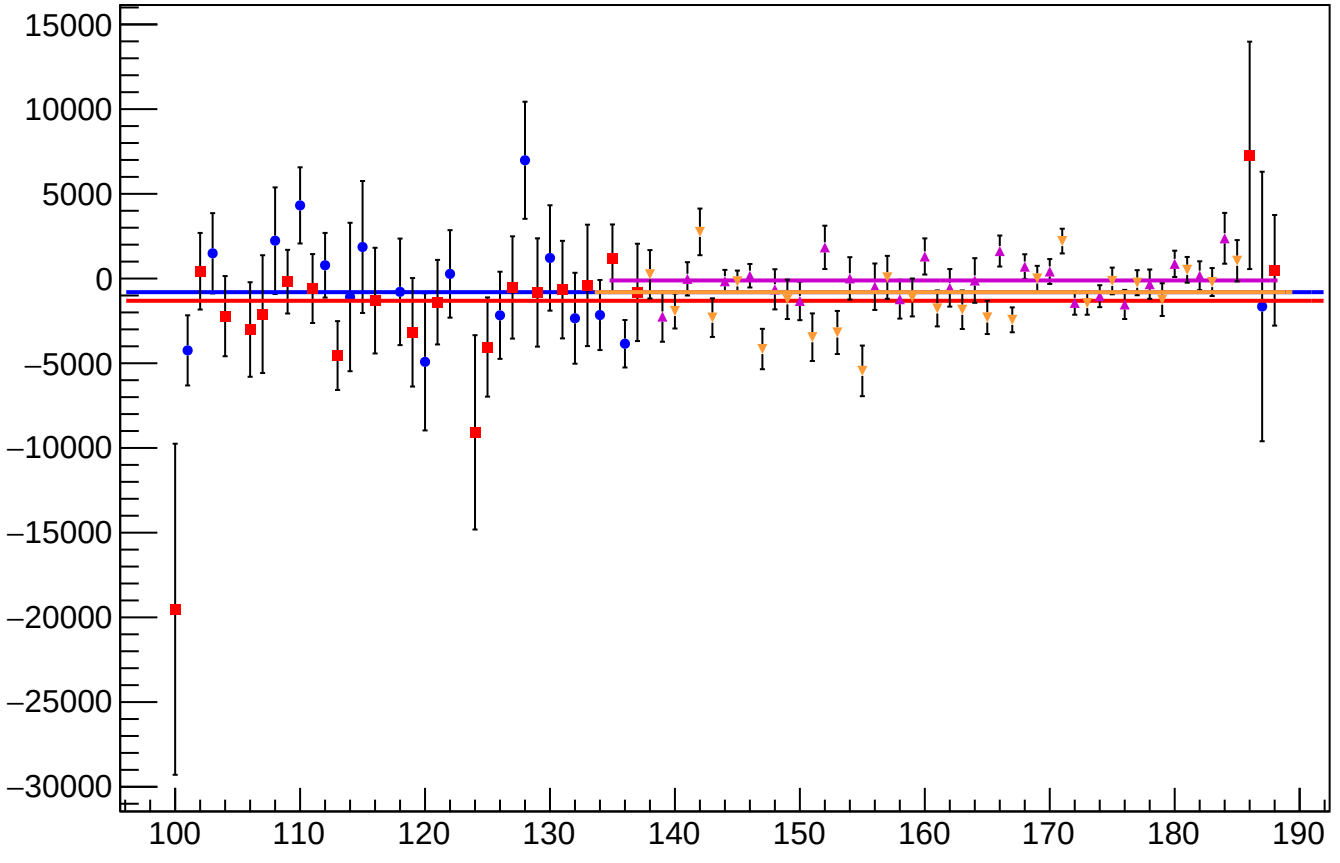
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 92.696+/-0.013 χ^2/NDF: 2932163.8/41

All: 93.669+/-0.009 χ^2/NDF: 7110428.0/85

- sign 94.697+/-0.014 χ^2/NDF: 4167051.7/43

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -804.190+/-614.175 χ^2/NDF: 23.5/16

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

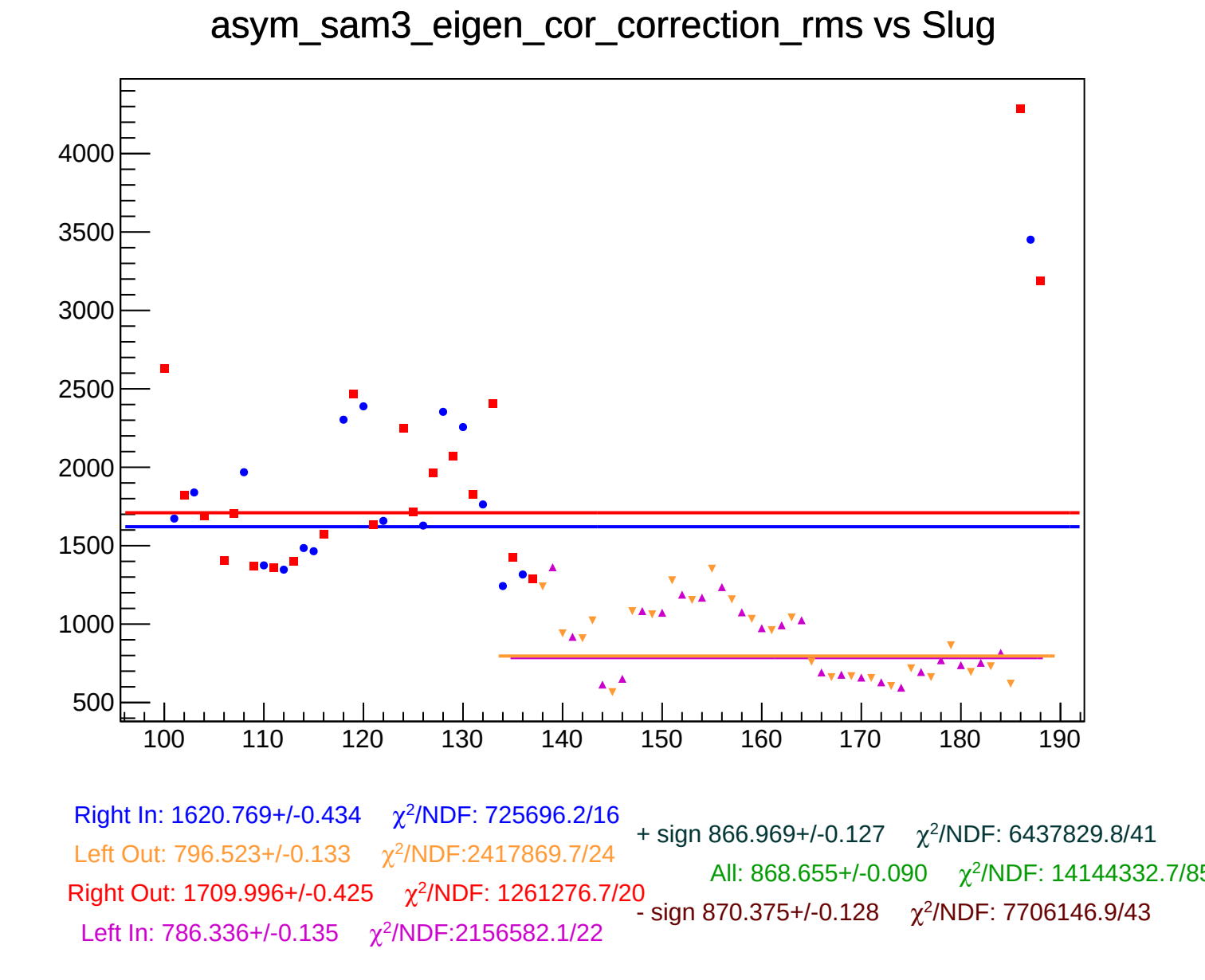
Right Out: -1312.776+/-601.410 χ^2/NDF: 14.4/20

Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.729+/-179.553 χ^2/NDF: 95.3/41

All: -514.691+/-127.614 χ^2/NDF: 145.6/85

- sign -221.693+/-181.407 χ^2/NDF: 45.1/43


asym_sam3_eigen_cor_correction_rms vs Slug
4000
3500
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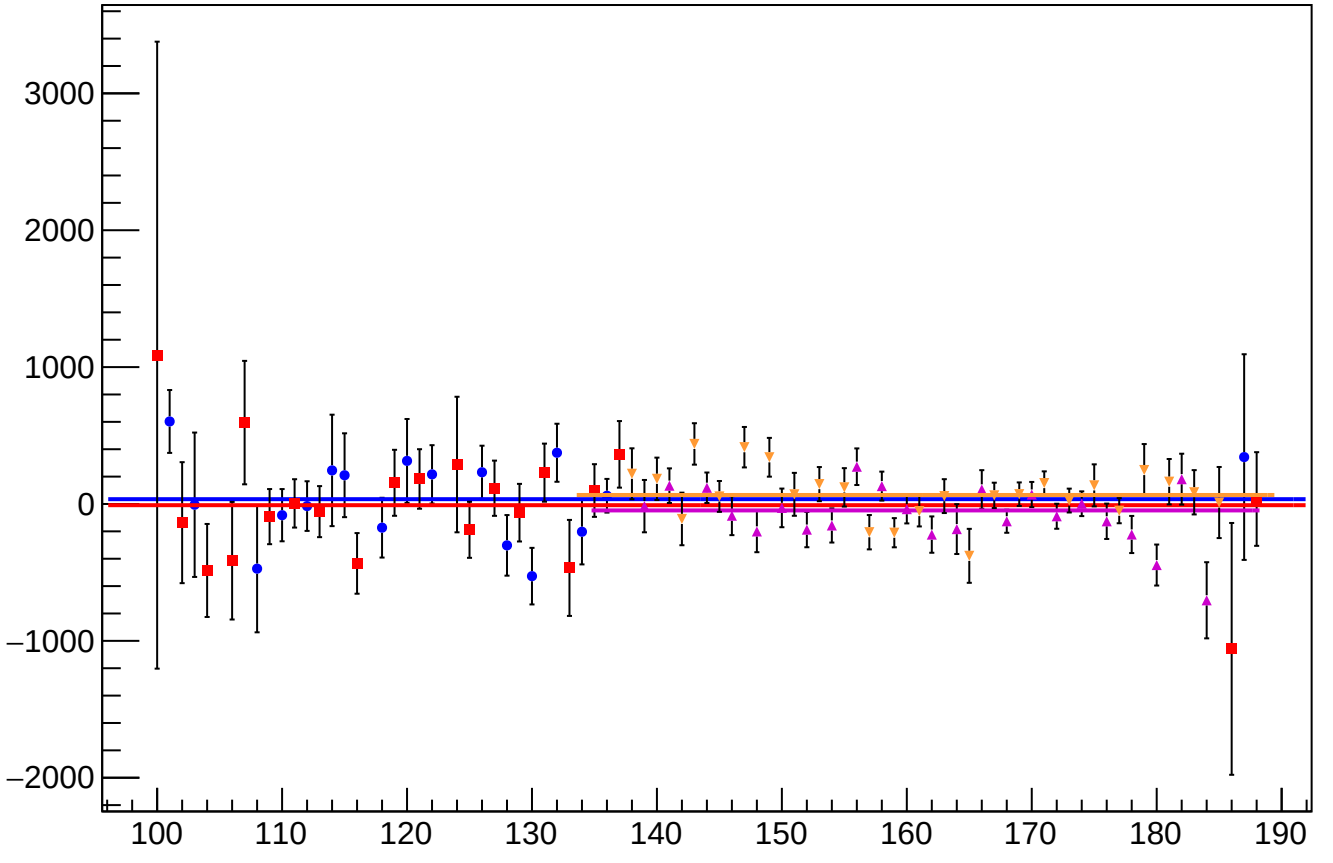
160
170
180
190
Right In: 1620.769+/-0.434 χ²/NDF: 725696.2/16
Left Out: 796.523+/-0.133 χ²/NDF:2417869.7/24
Right Out: 1709.996+/-0.425 χ²/NDF: 1261276.7/20
Left In: 786.336+/-0.135 χ²/NDF:2156582.1/22
+ sign 866.969+/-0.127 χ²/NDF: 6437829.8/41
All: 868.655+/-0.090 χ²/NDF: 14144332.7/85
- sign 870.375+/-0.128 χ²/NDF: 7706146.9/43

dit_asym_sam3_mean vs Slug



Right In: 35.114+/-54.762 χ^2/NDF: 25.3/16

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -8.797+/-55.251 χ^2/NDF: 18.6/20

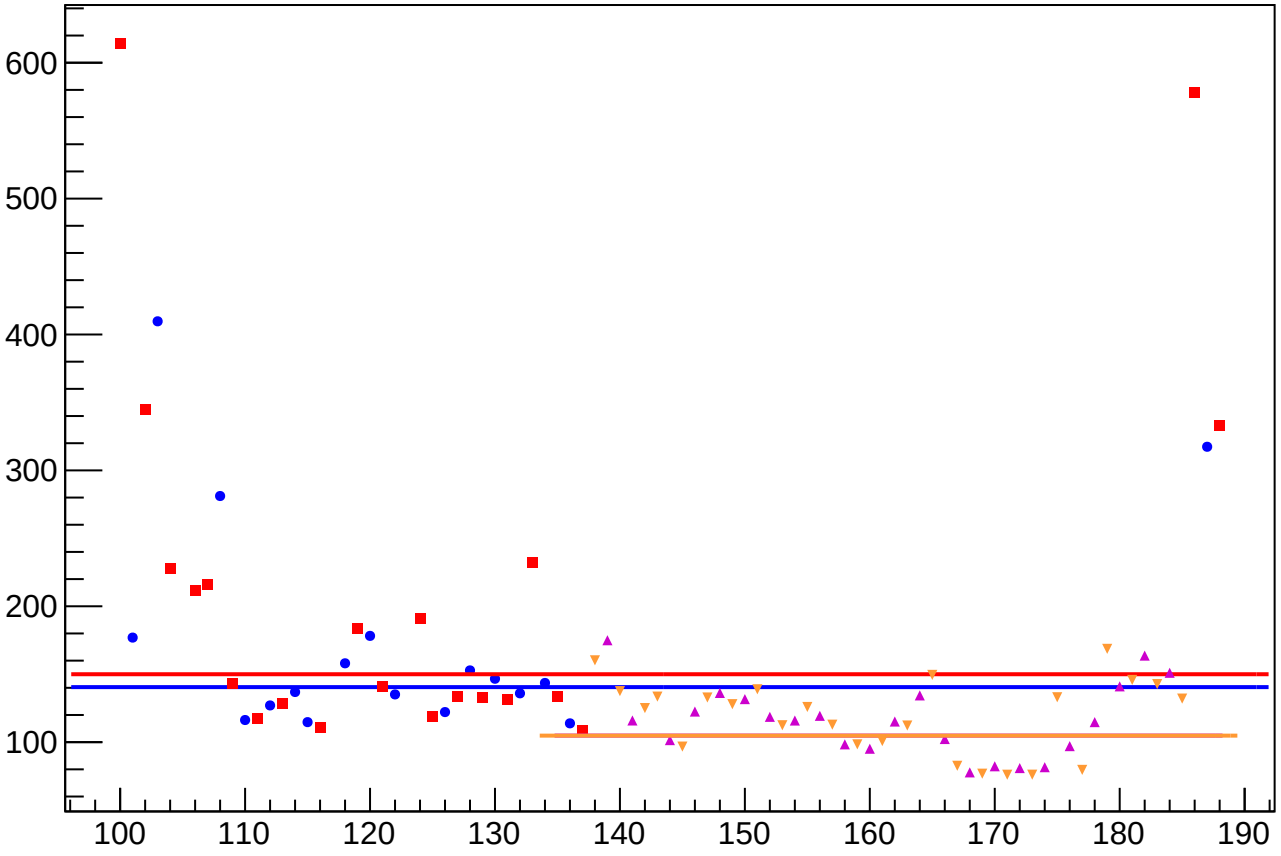
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 60.406+/-22.787 χ^2/NDF: 65.6/41

All: 11.204+/-16.291 χ^2/NDF: 132.8/85

- sign -40.238+/-23.300 χ^2/NDF: 57.7/43

dit_asym_sam3_rms vs Slug



Right In: 140.511+/-0.039 χ^2/NDF: 1088188.1/16

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 149.991+/-0.039 χ^2/NDF: 2149578.3/20

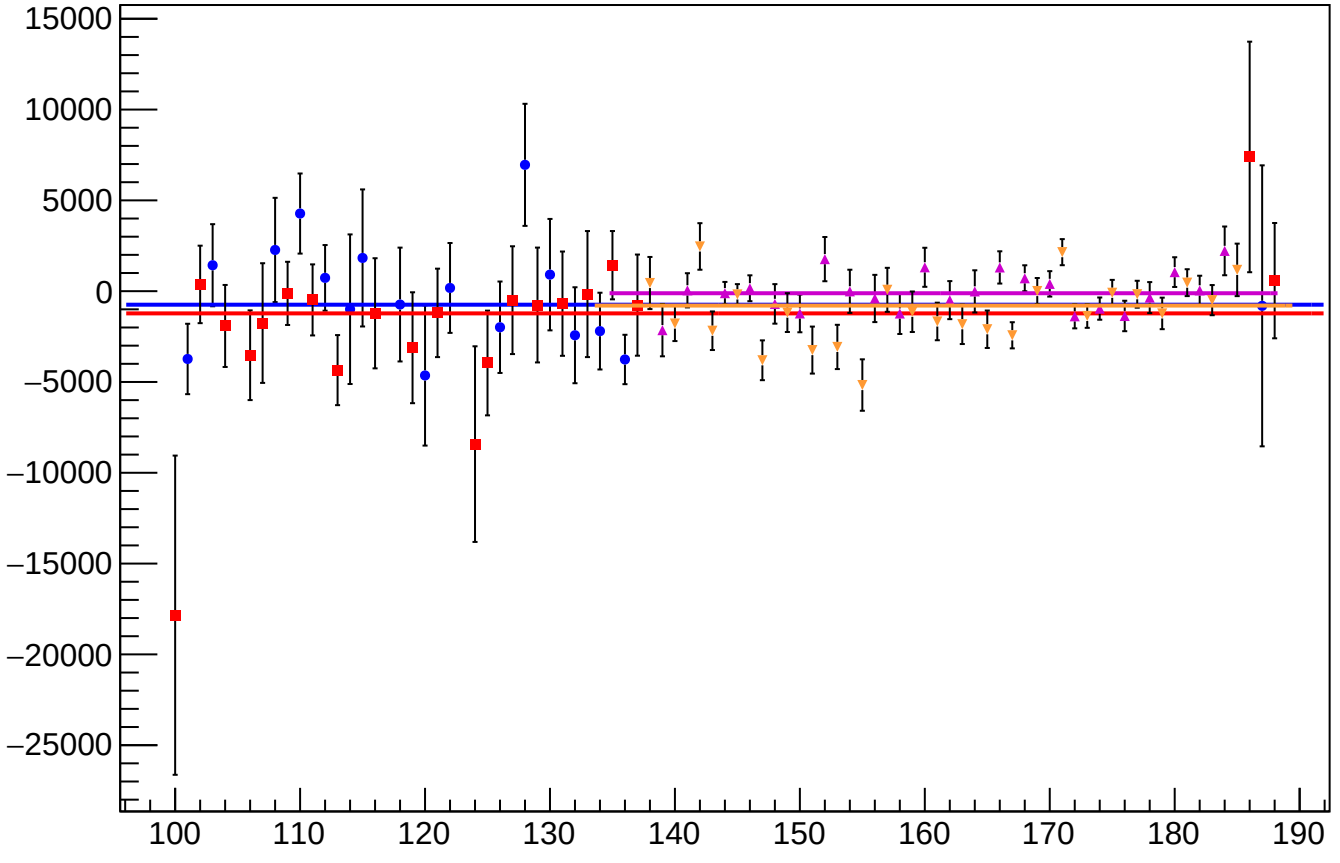
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 110.992+/-0.016 χ^2/NDF: 4033850.4/41

All: 111.907+/-0.012 χ^2/NDF: 8902880.3/85

- sign 112.865+/-0.016 χ^2/NDF: 4862421.5/43

asym_sam3_dit_correction_mean vs Slug



Right In: -745.054+/-594.051 χ^2/NDF: 23.5/16

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1223.164+/-573.726 χ^2/NDF: 15.8/20

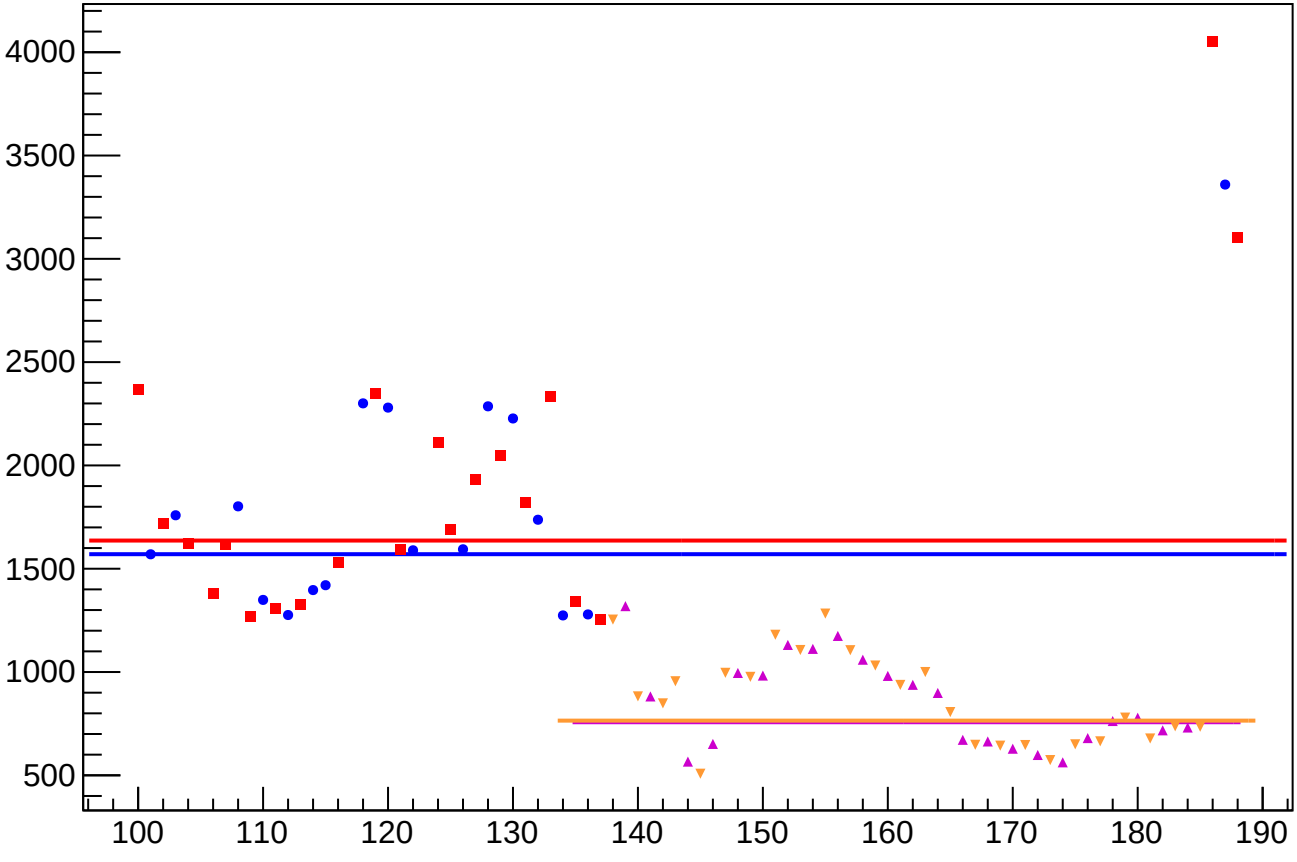
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -789.037+/-172.175 χ^2/NDF: 93.5/41

All: -506.416+/-122.544 χ^2/NDF: 144.4/85

- sign -216.263+/-174.454 χ^2/NDF: 45.4/43

asym_sam3_dit_correction_rms vs Slug



Right In: 1570.346+/-0.420 χ^2/NDF: 711798.2/16

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1636.346+/-0.406 χ^2/NDF: 1309784.1/20

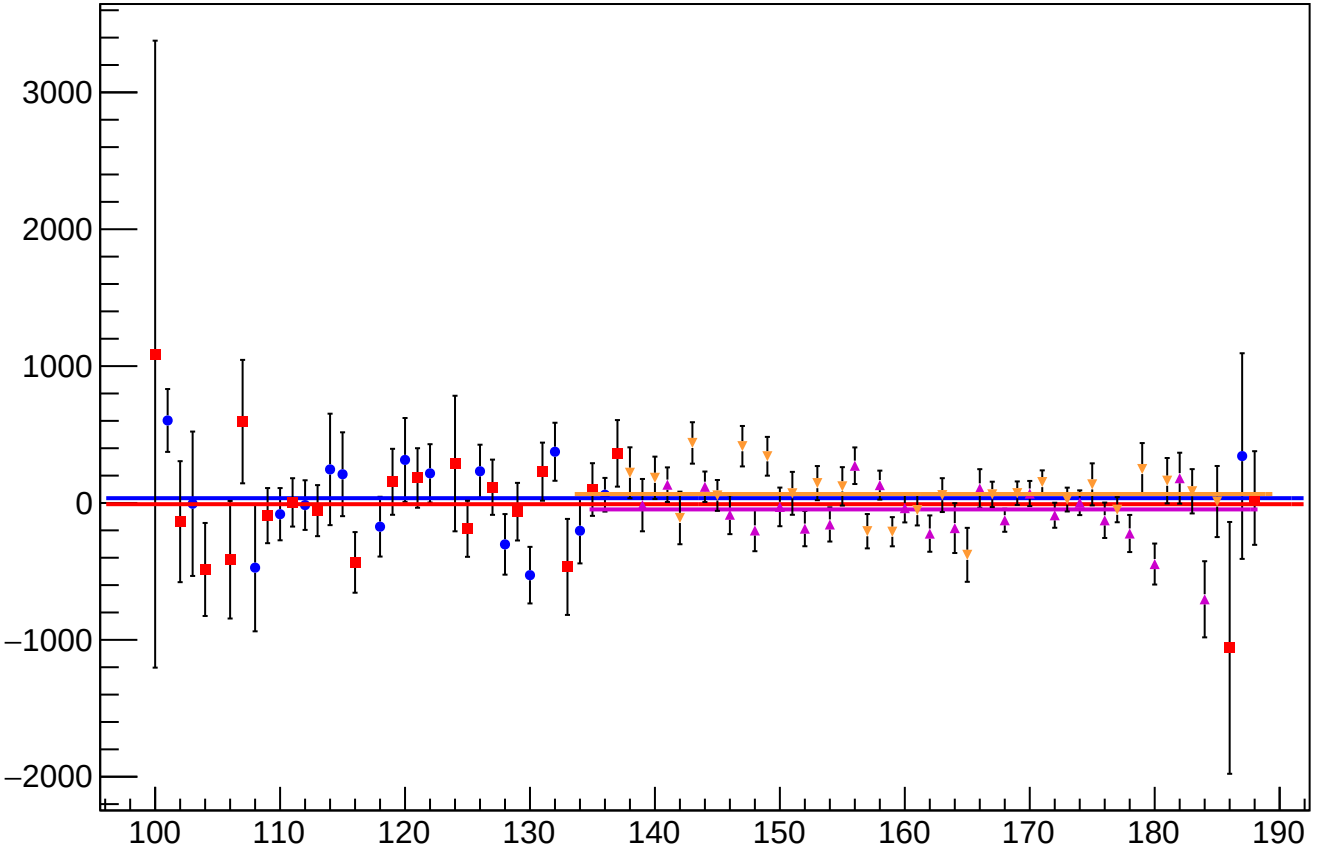
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

\+ sign 832.408+/-0.122 χ^2/NDF: 6506573.3/41

All: 835.284+/-0.087 χ^2/NDF: 14197370.2/85

\- sign 838.238+/-0.123 χ^2/NDF: 7689665.3/43

eigen_dit_asym_sam3_mean vs Slug



Right In: 35.113+/-54.762 χ^2/NDF: 25.3/16

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -8.793+/-55.252 χ^2/NDF: 18.6/20

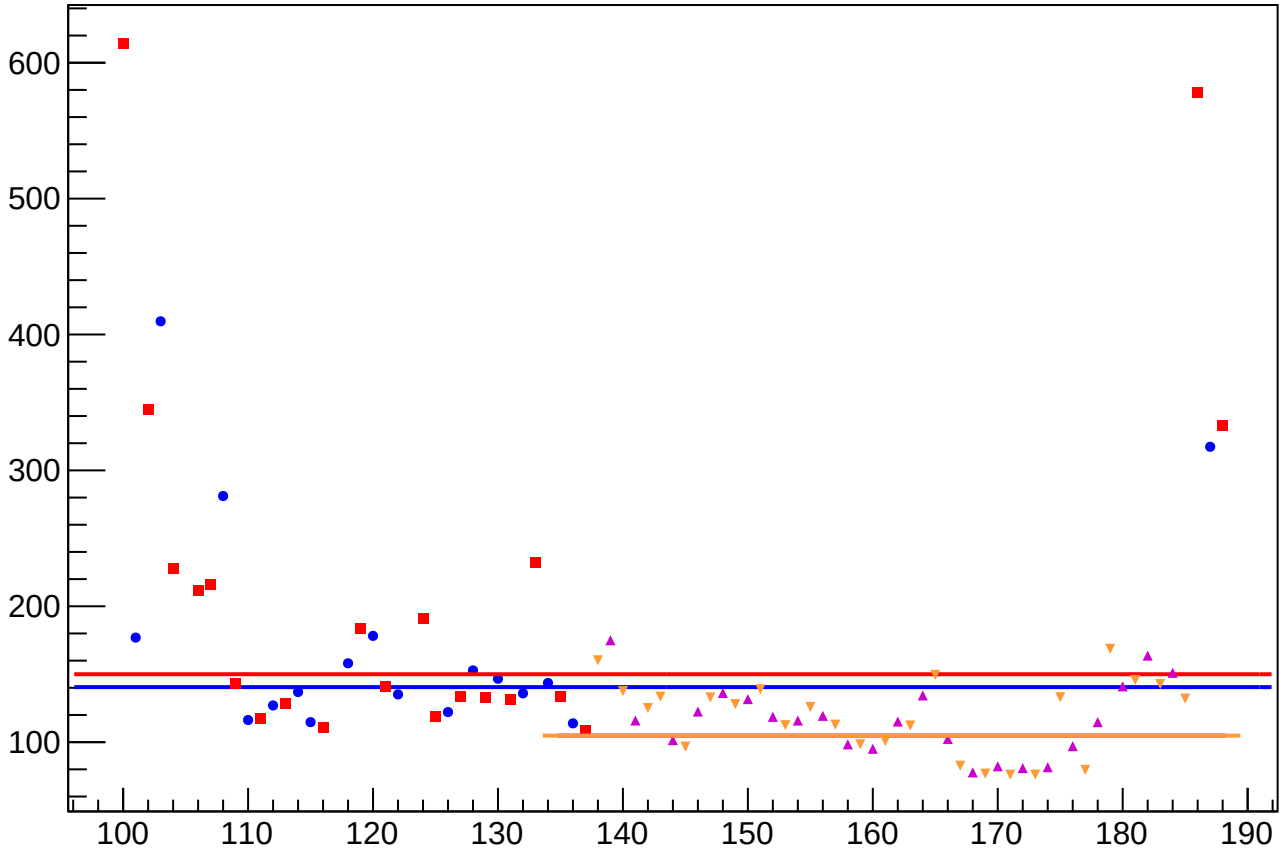
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 60.406+/-22.787 χ^2/NDF: 65.6/41

All: 11.205+/-16.291 χ^2/NDF: 132.8/85

- sign -40.237+/-23.300 χ^2/NDF: 57.7/43

eigen_dit_asym_sam3_rms vs Slug



Right In: 140.512+/-0.039 χ^2/NDF: 1088191.2/16

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

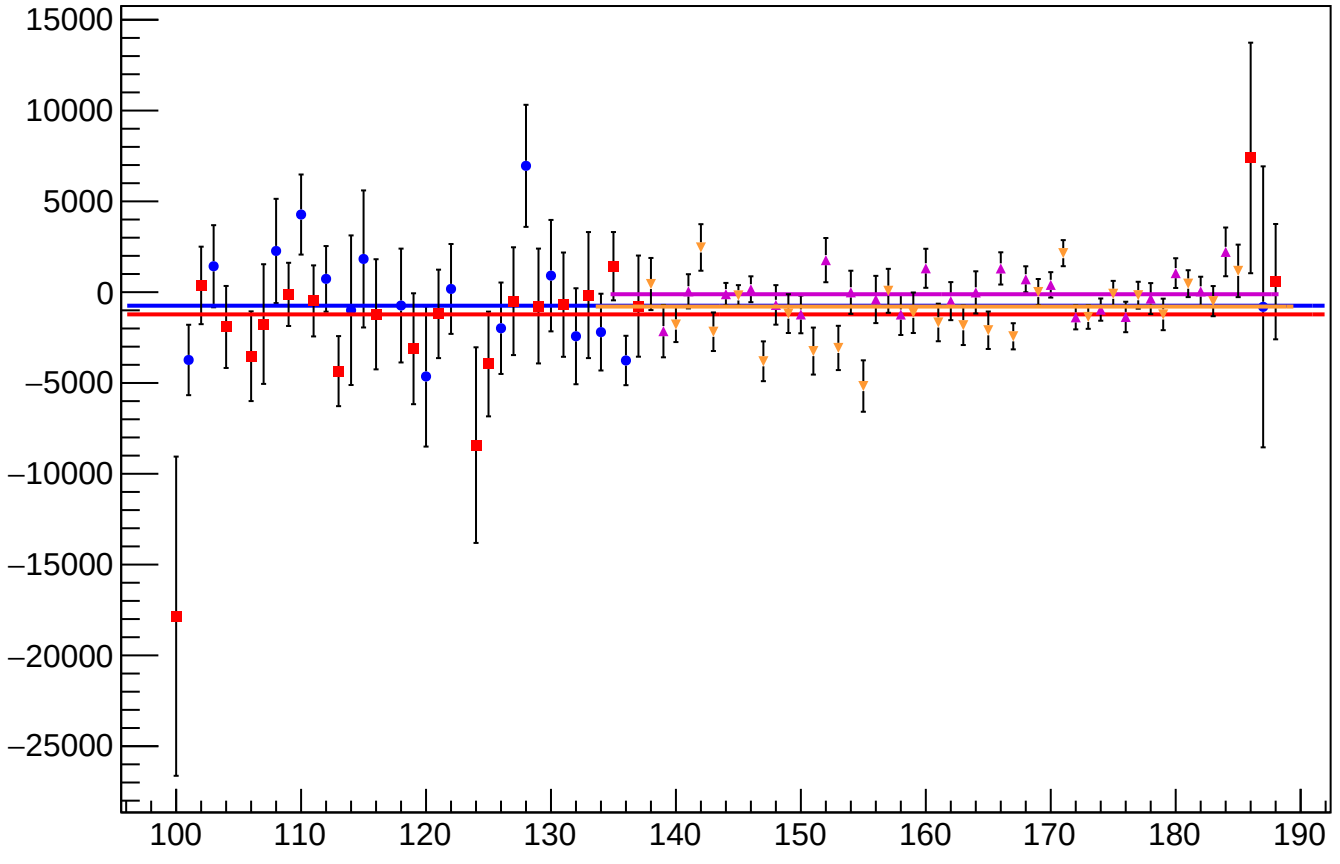
Right Out: 149.992+/-0.039 χ^2/NDF: 2149588.4/20

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 110.992+/-0.016 χ^2/NDF: 4033868.1/41

All: 111.908+/-0.012 χ^2/NDF: 8902917.7/85

- sign 112.865+/-0.016 χ^2/NDF: 4862441.2/43



Right In: -745.051+/-594.050 χ^2/NDF: 23.5/16

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1223.164+/-573.725 χ^2/NDF: 15.8/20

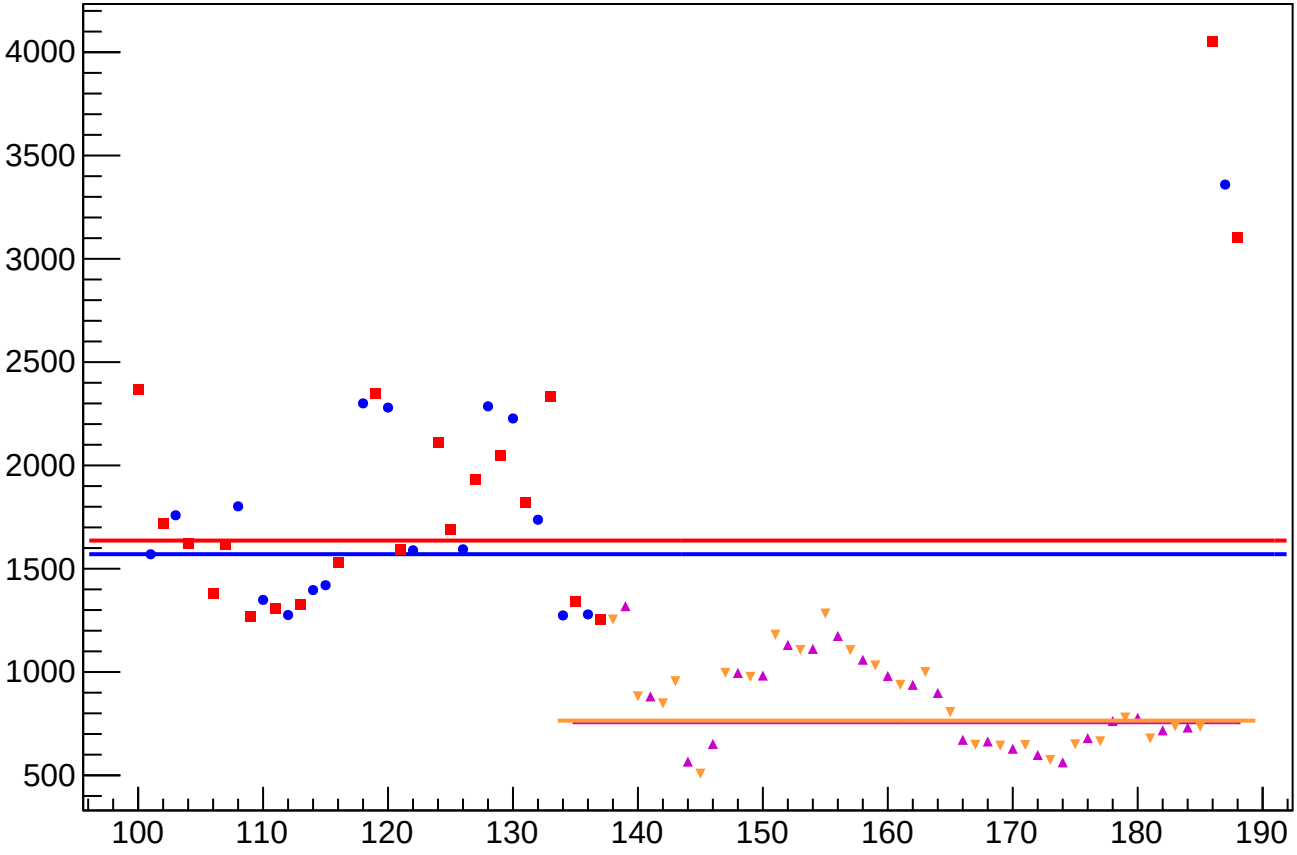
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -789.037+/-172.175 χ^2/NDF: 93.5/41

All: -506.417+/-122.544 χ^2/NDF: 144.4/85

- sign -216.263+/-174.454 χ^2/NDF: 45.4/43

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1570.345+/-0.420 χ^2/NDF: 711797.9/16

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1636.344+/-0.406 χ^2/NDF: 1309780.9/20

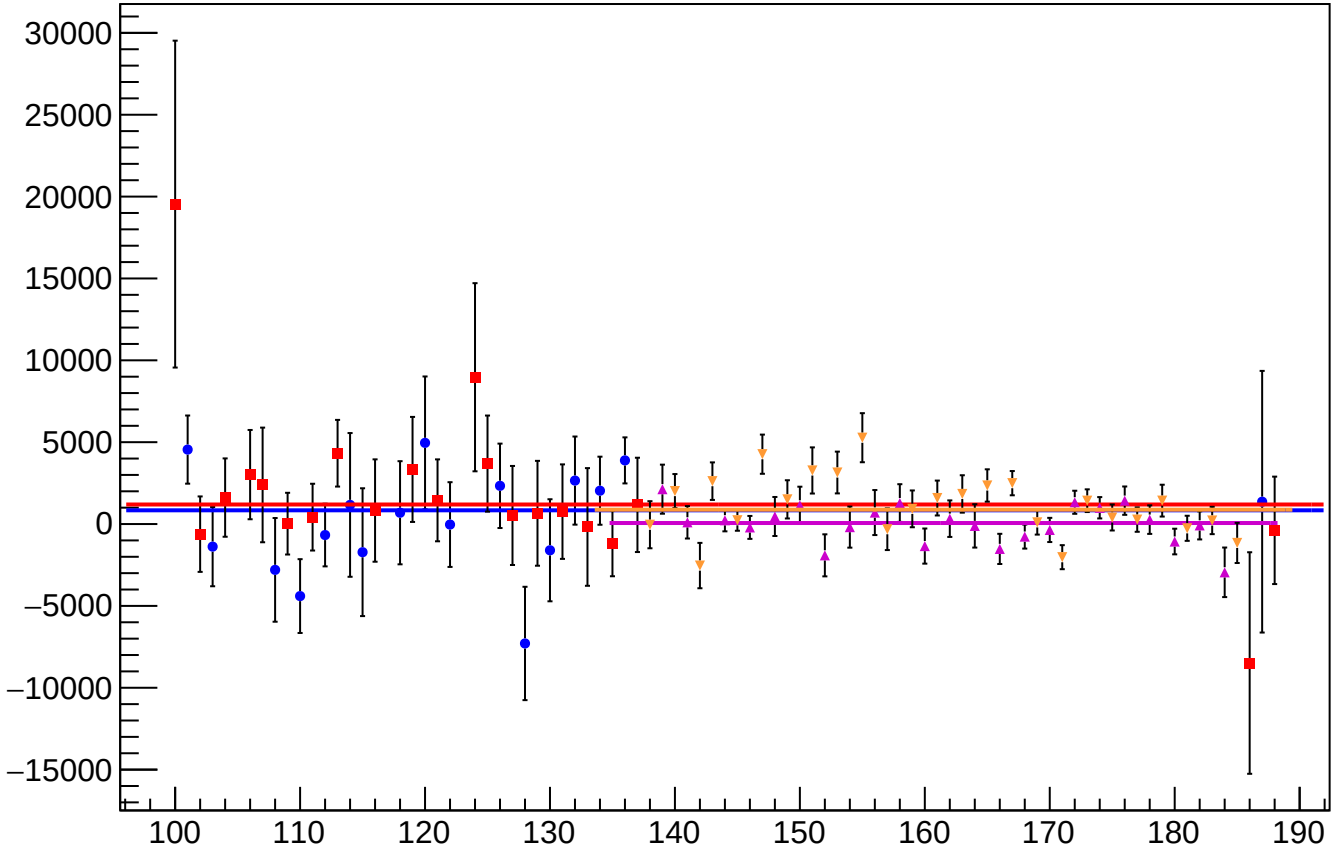
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 832.407+/-0.122 χ^2/NDF: 6506564.7/41

All: 835.284+/-0.087 χ^2/NDF: 14197349.6/85

- sign 838.237+/-0.123 χ^2/NDF: 7689653.4/43

asym_sam3_mean vs Slug



Right In: 838.642+/-616.933 χ^2/NDF: 24.9/16

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1193.438+/-603.414 χ^2/NDF: 14.4/20

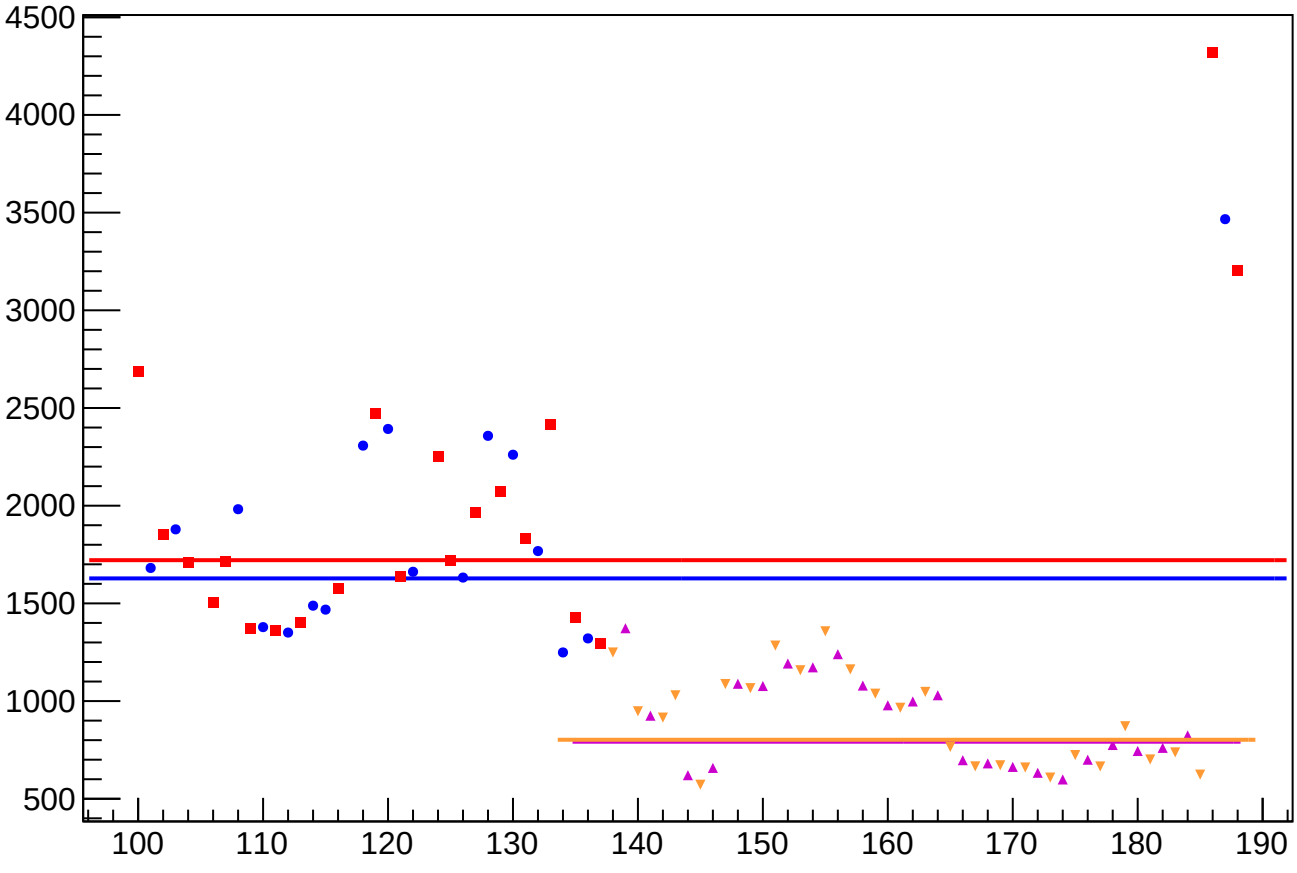
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 873.236+/-180.709 χ^2/NDF: 92.2/41

All: 523.475+/-128.448 χ^2/NDF: 144.5/85

- sign 166.308+/-182.612 χ^2/NDF: 44.7/43

asym_sam3_rms vs Slug



Right In: 1627.830+/-0.436 χ^2/NDF: 728794.1/16

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1721.156+/-0.427 χ^2/NDF: 1256367.1/20

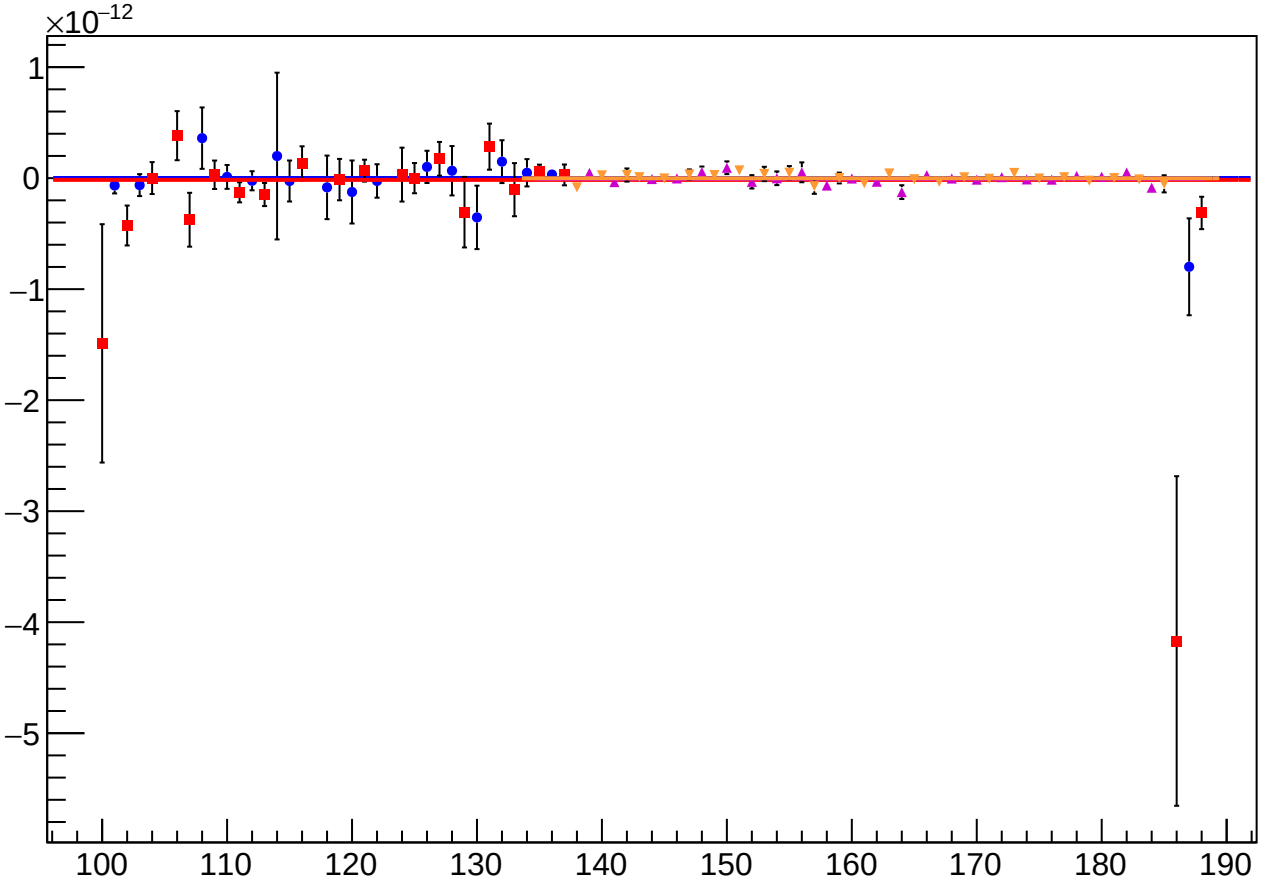
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 872.868+/-0.128 χ^2/NDF: 6400949.0/41

All: 874.988+/-0.091 χ^2/NDF: 14100742.7/85

- sign 877.152+/-0.129 χ^2/NDF: 7699237.6/43

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

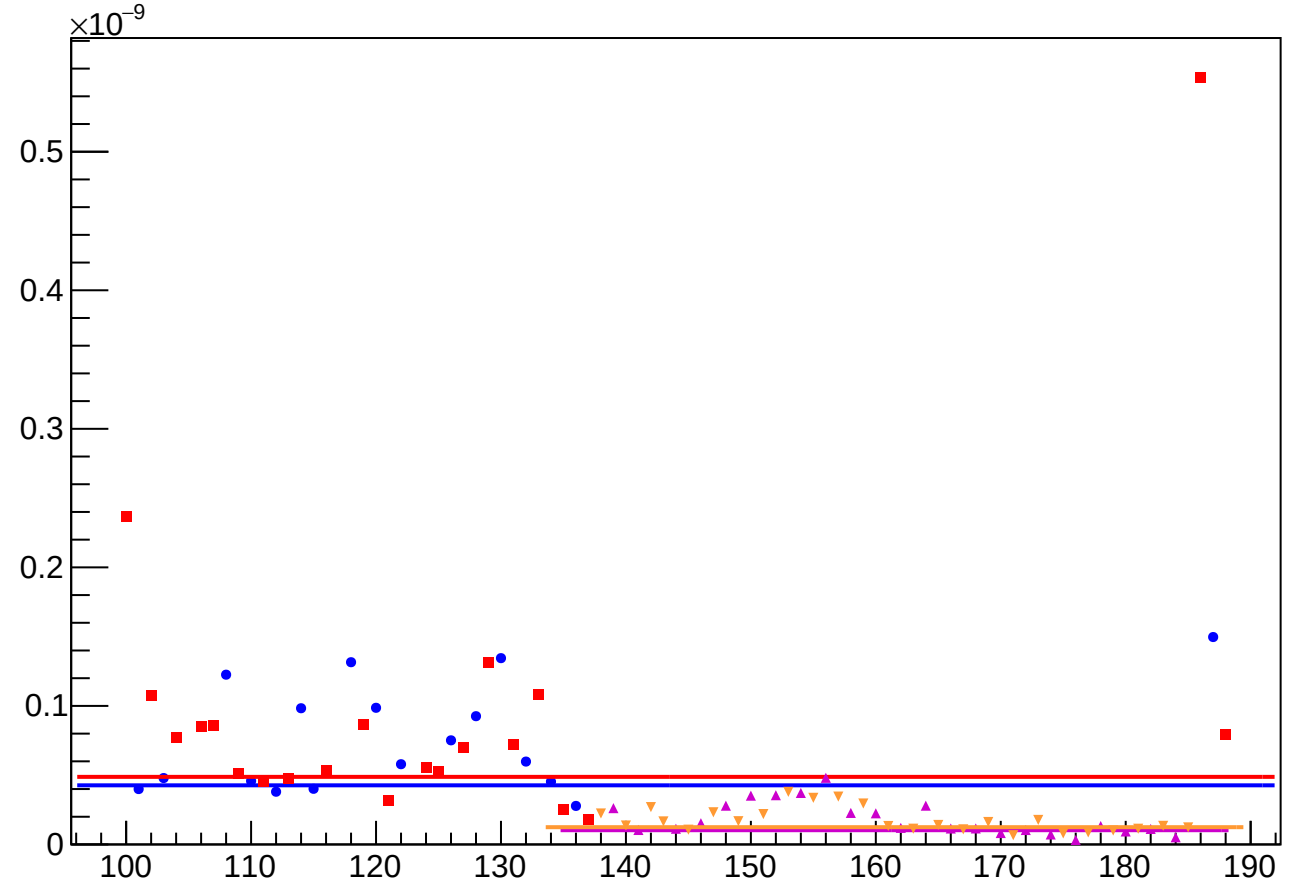
Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/20

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.2/41

All: -0.000+/-0.000 χ^2/NDF: 102.0/85

- sign -0.000+/-0.000 χ^2/NDF: 67.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 1268744.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1736481.0/20

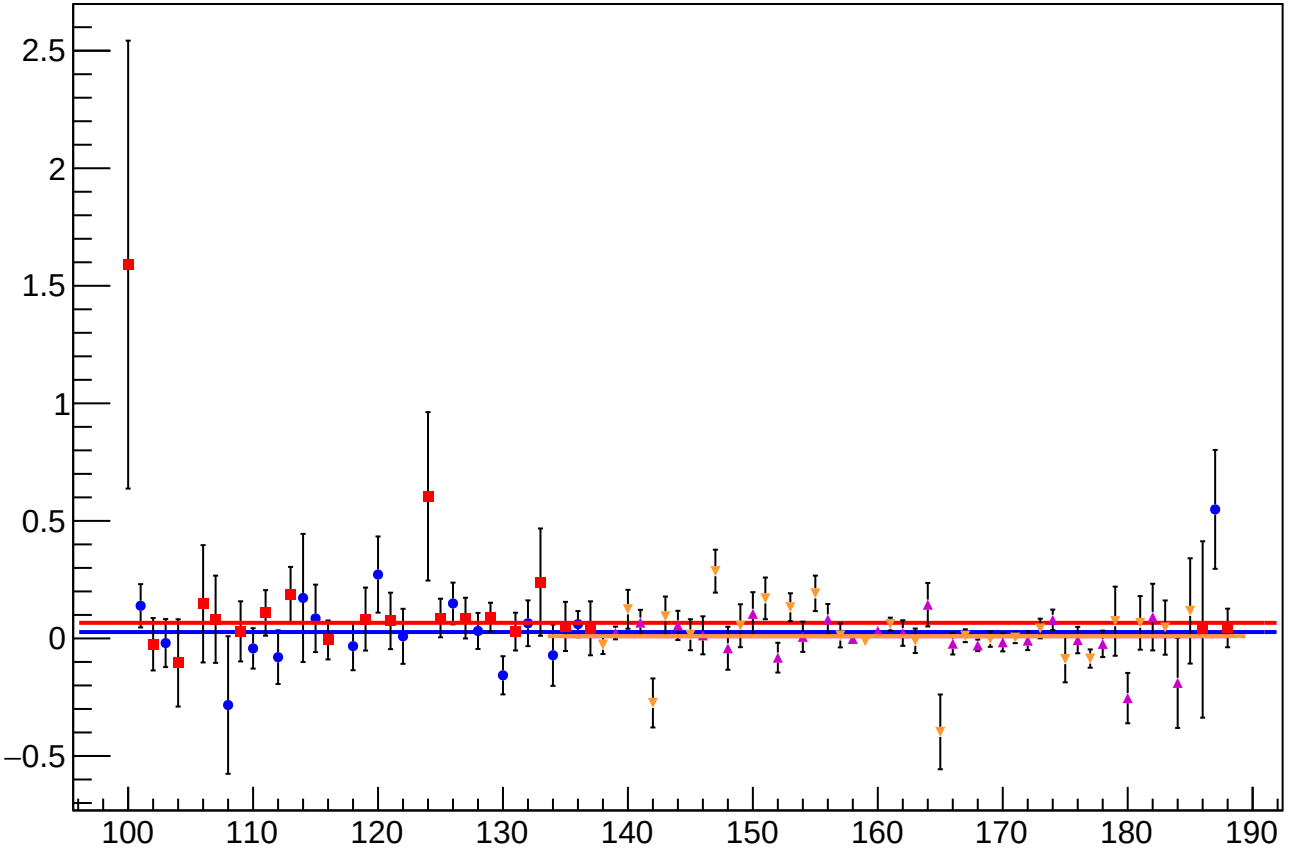
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5855063.6/41

All: 0.000+/-0.000 χ^2/NDF: 14739785.6/85

- sign 0.000+/-0.000 χ^2/NDF: 8690516.9/43

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.066+/-0.024 χ^2/NDF: 9.7/20

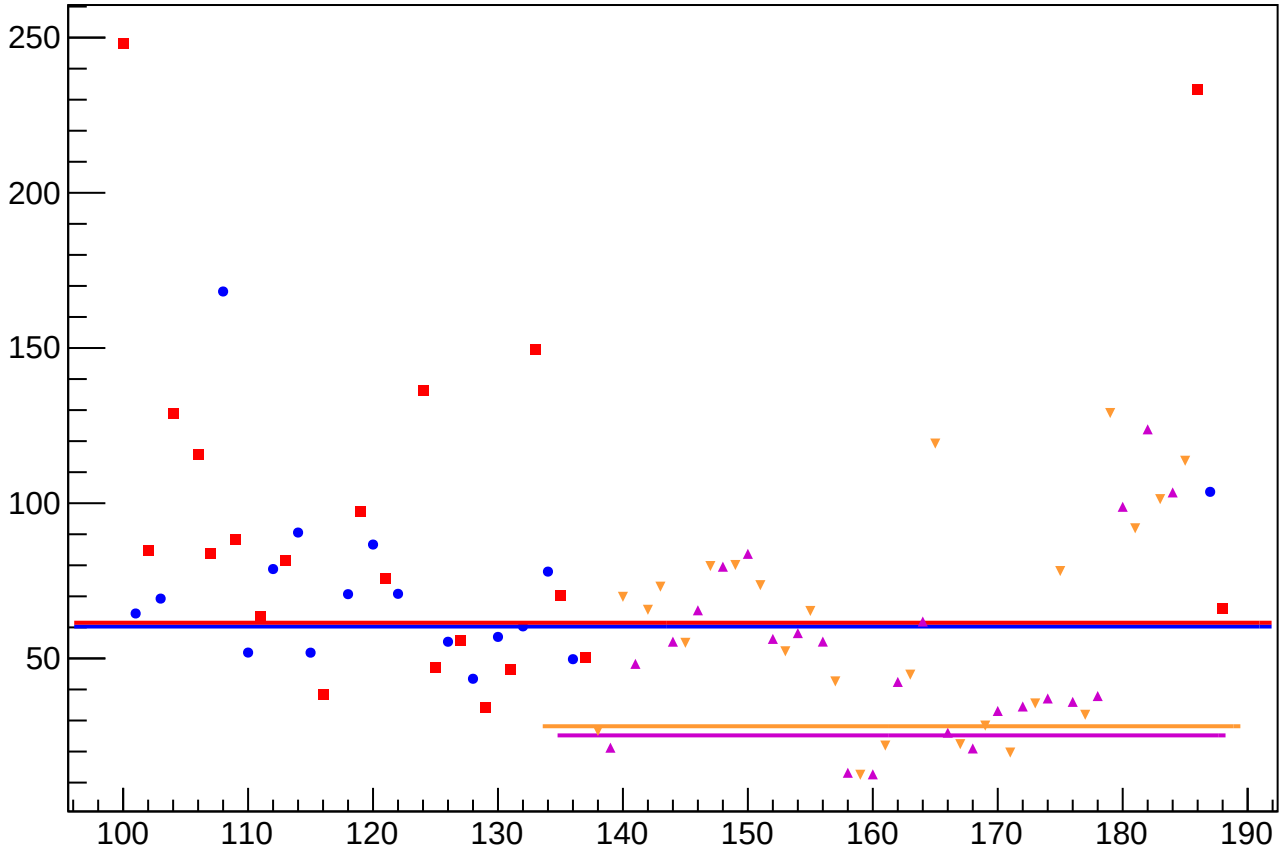
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 74.9/41

All: 0.013+/-0.005 χ^2/NDF: 114.9/85

- sign 0.015+/-0.008 χ^2/NDF: 39.9/43

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 60.281+/-0.017 χ^2/NDF: 758448.1/16

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 61.505+/-0.017 χ^2/NDF: 2408532.6/20

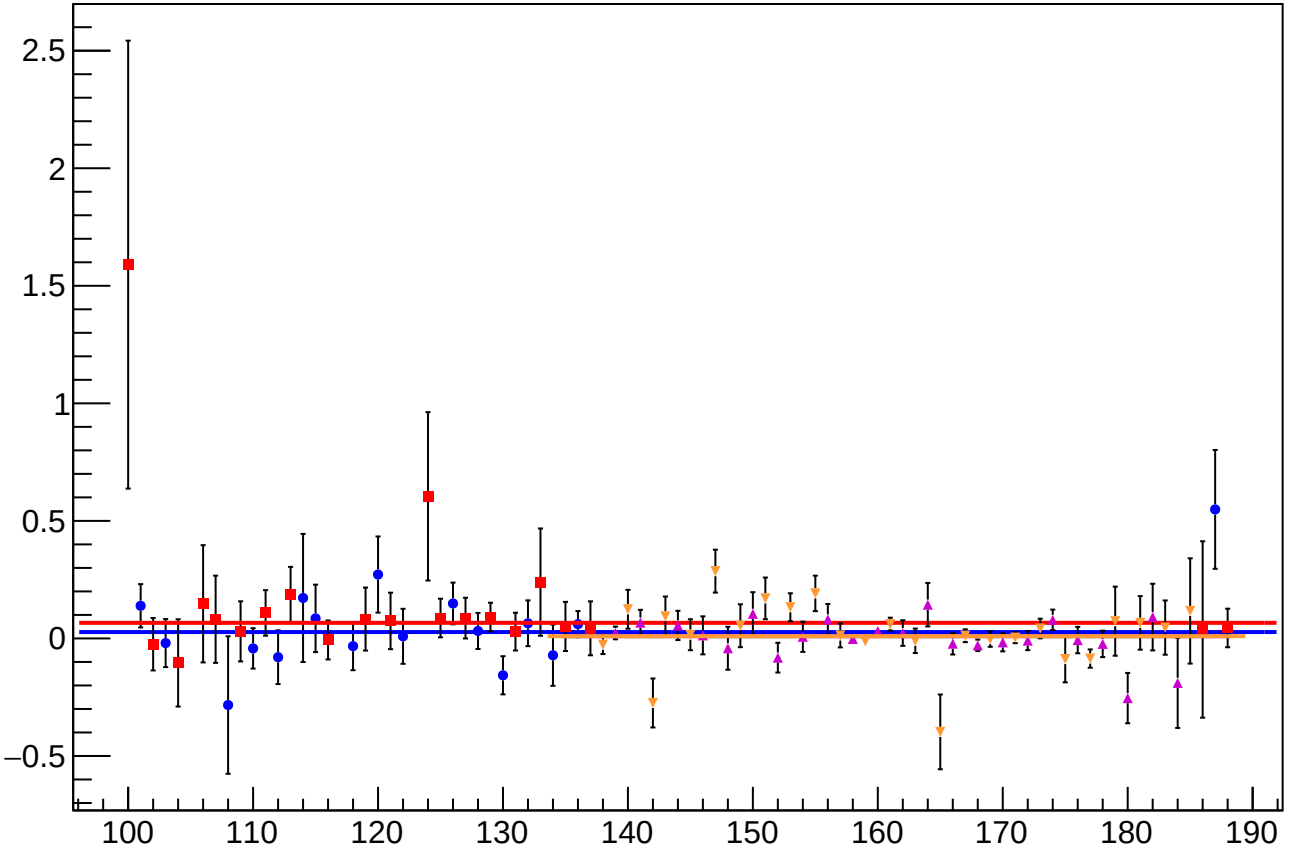
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 31.558+/-0.006 χ^2/NDF: 14889715.0/41

All: 30.067+/-0.004 χ^2/NDF: 31485901.4/85

- sign 28.745+/-0.005 χ^2/NDF: 16464987.3/43

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.066+/-0.024 χ^2/NDF: 9.7/20

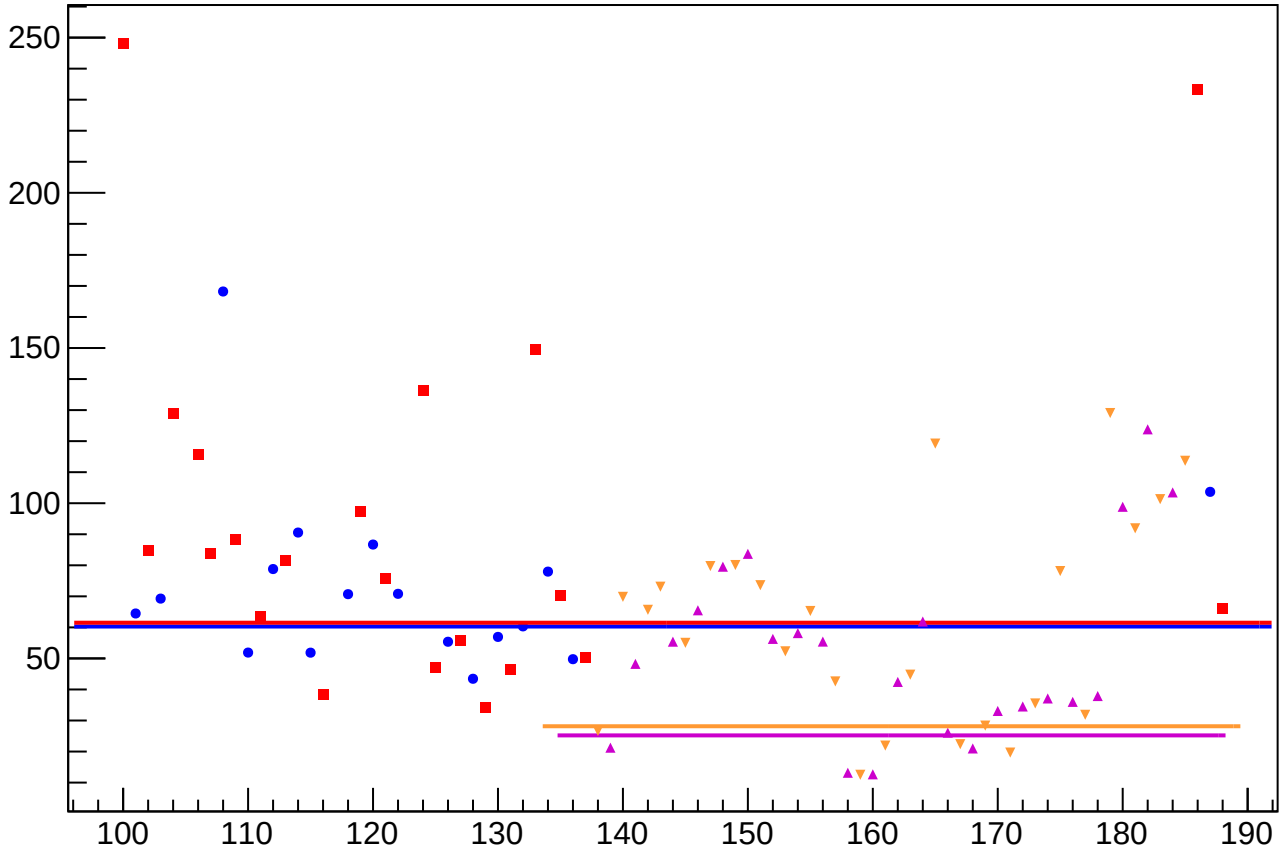
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 74.9/41

All: 0.013+/-0.005 χ^2/NDF: 114.9/85

- sign 0.015+/-0.008 χ^2/NDF: 39.9/43

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.281+/-0.017 χ^2/NDF: 758448.1/16

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 61.505+/-0.017 χ^2/NDF: 2408532.6/20

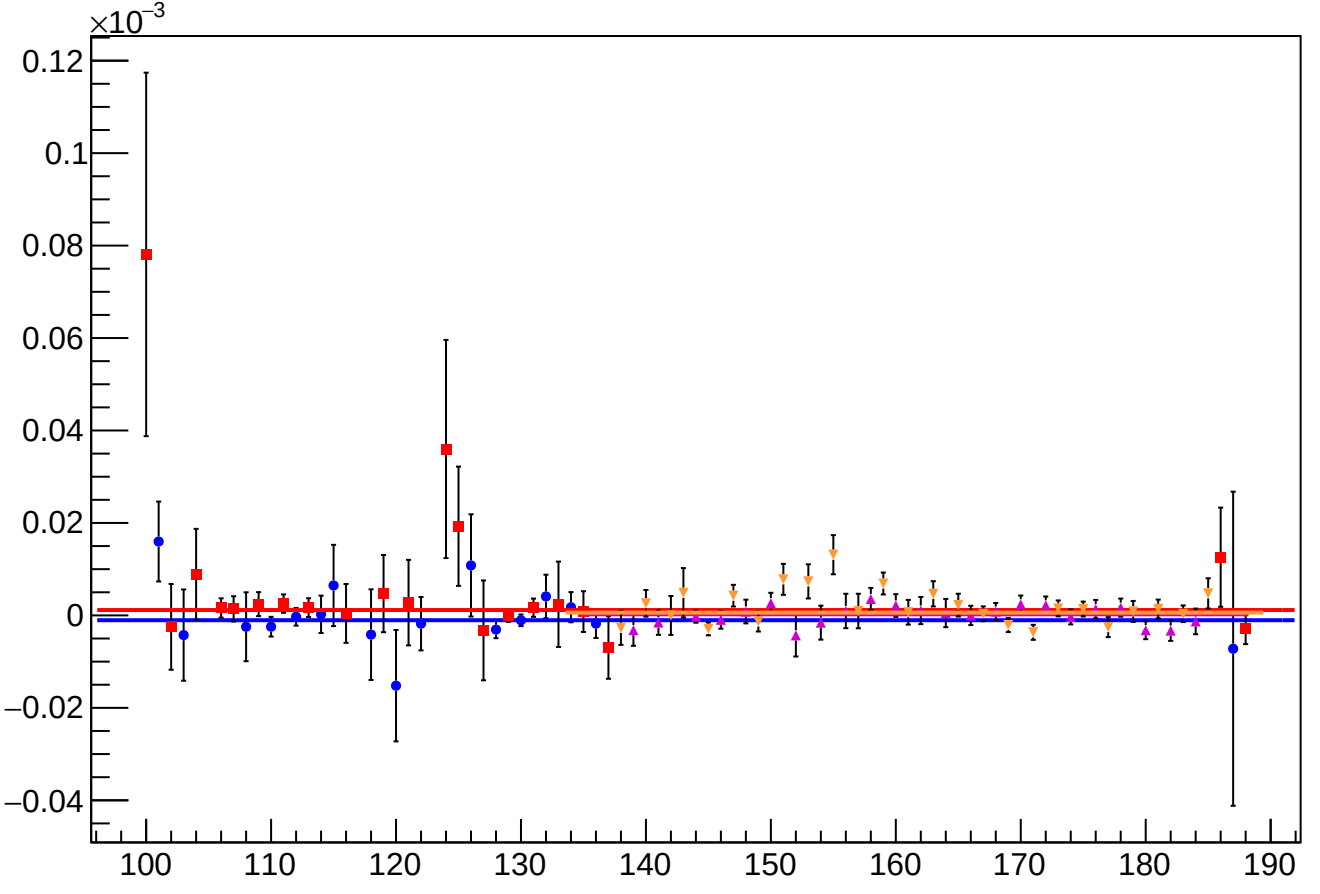
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 31.558+/-0.006 χ^2/NDF: 14889715.0/41

All: 30.067+/-0.004 χ^2/NDF: 31485901.4/85

- sign 28.745+/-0.005 χ^2/NDF: 16464987.3/43

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/20

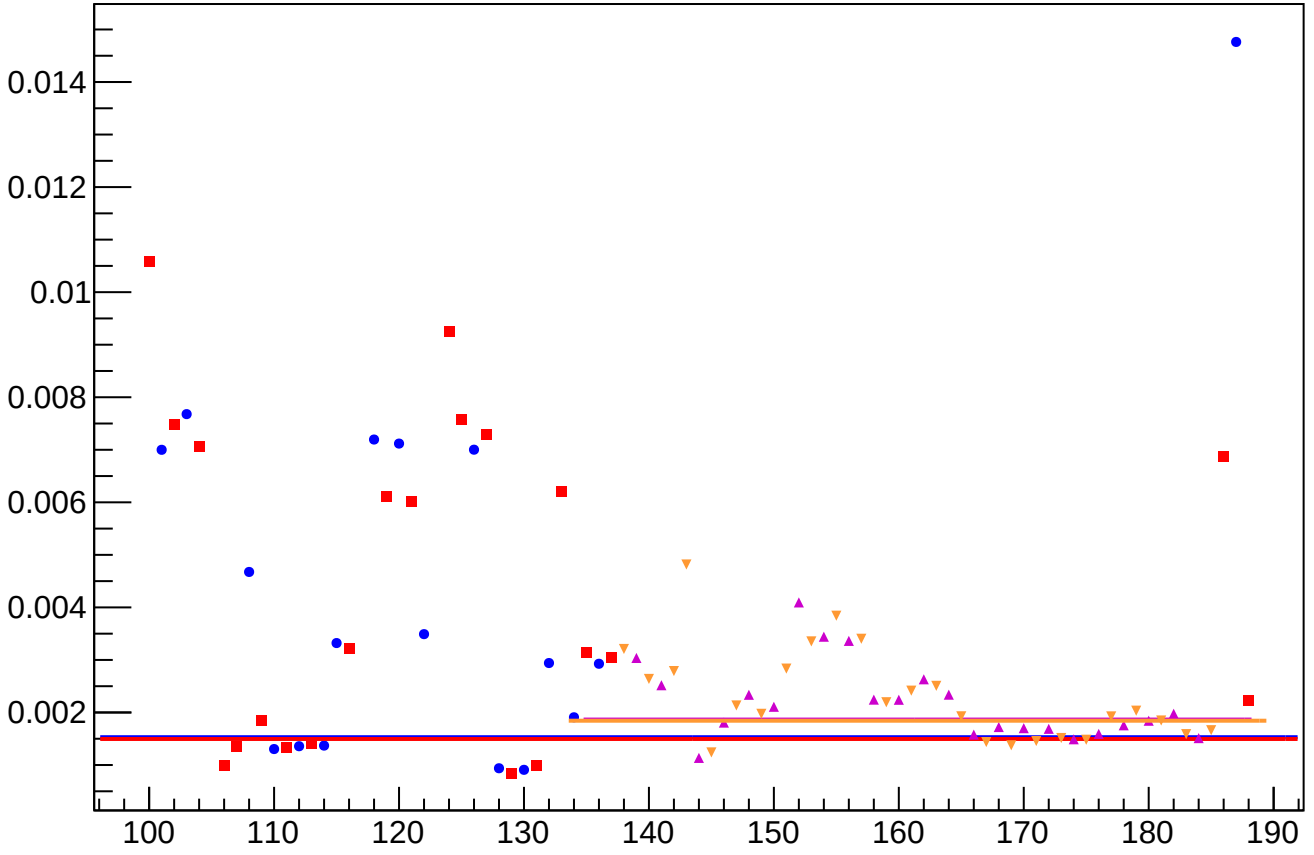
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.3/41

All: 0.000+/-0.000 χ^2/NDF: 100.6/85

- sign 0.000+/-0.000 χ^2/NDF: 32.9/43

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5486364.4/16

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6400495.1/20

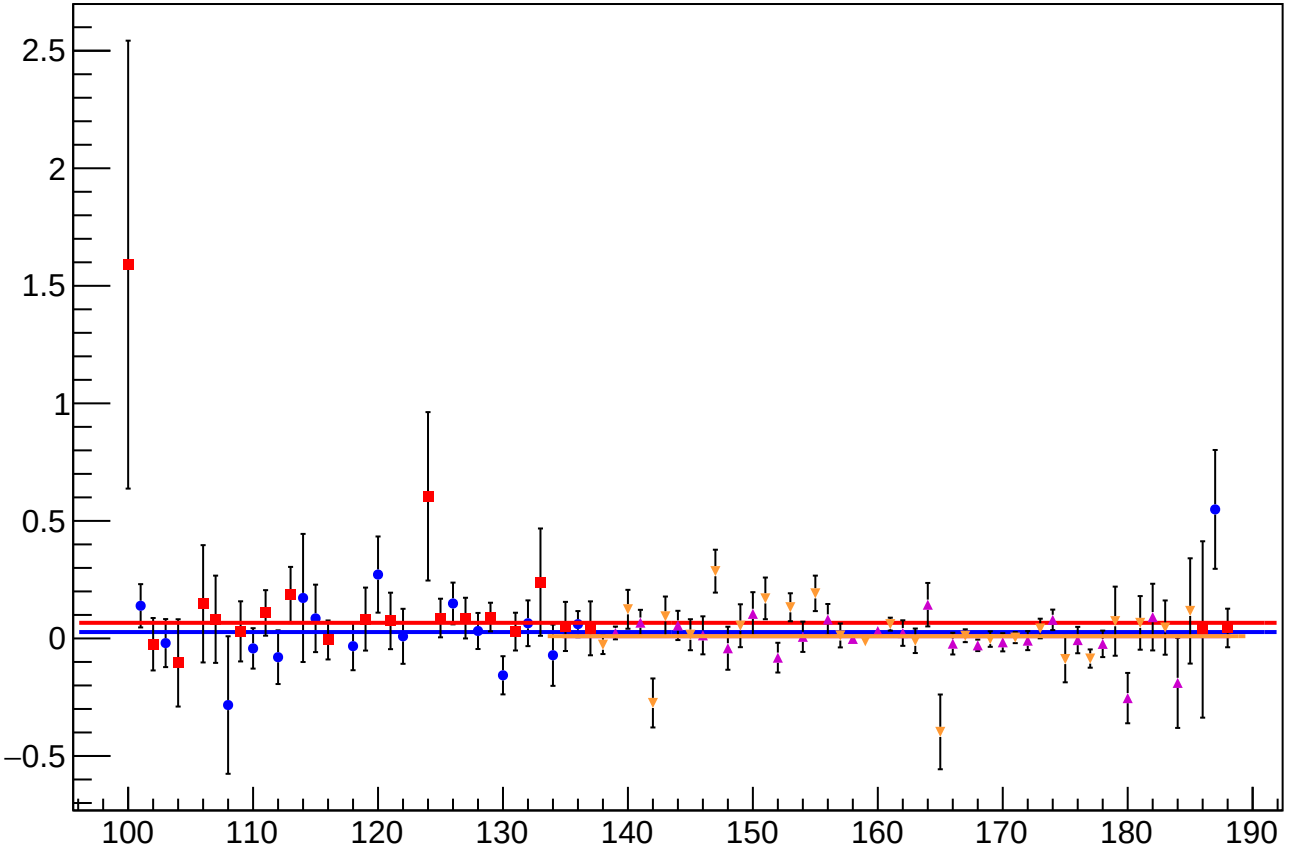
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 9535173.8/41

All: 0.002+/-0.000 χ^2/NDF: 19133672.5/85

- sign 0.002+/-0.000 χ^2/NDF: 9597854.5/43

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.066+/-0.024 χ^2/NDF: 9.7/20

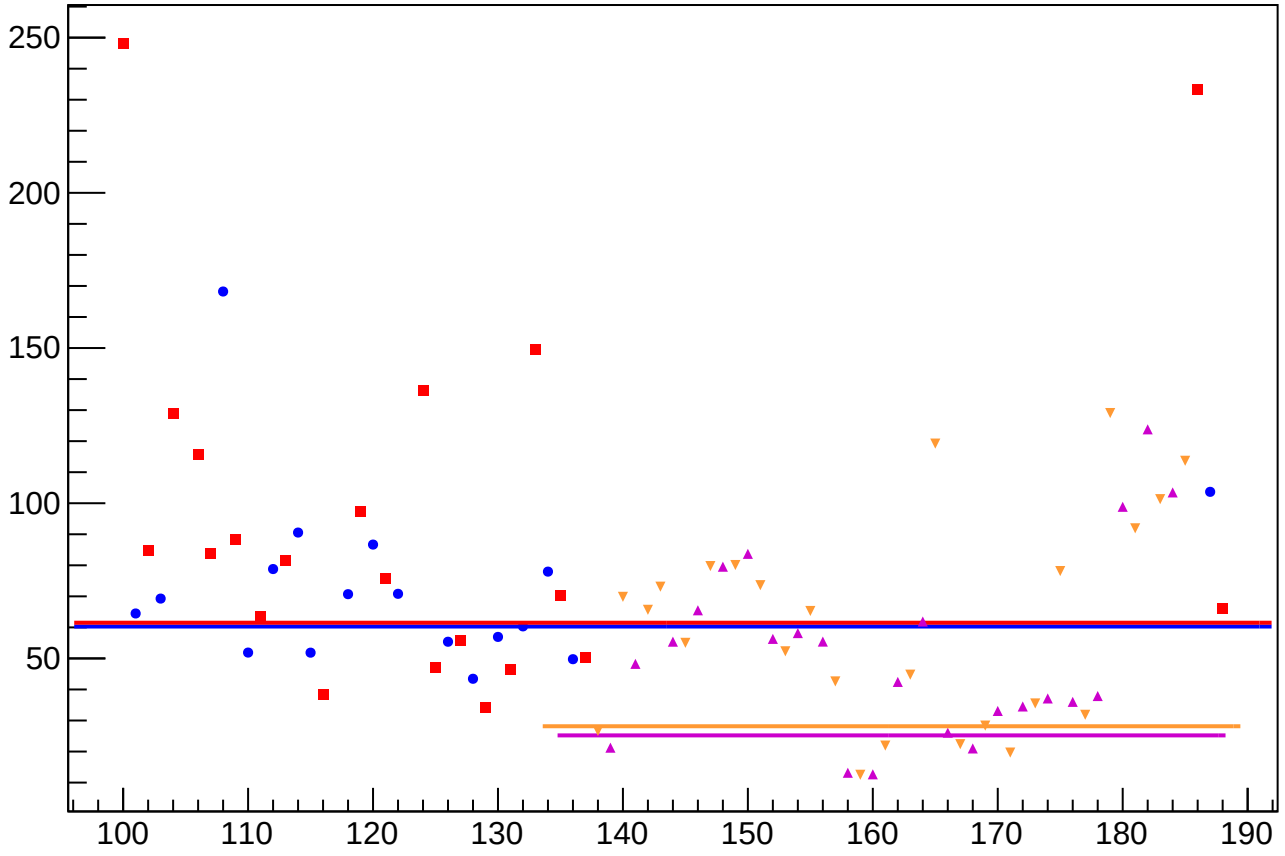
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 74.9/41

All: 0.013+/-0.005 χ^2/NDF: 114.9/85

- sign 0.015+/-0.008 χ^2/NDF: 39.9/43

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.282+/-0.017 χ^2/NDF: 758508.8/16

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 61.506+/-0.017 χ^2/NDF: 2408624.1/20

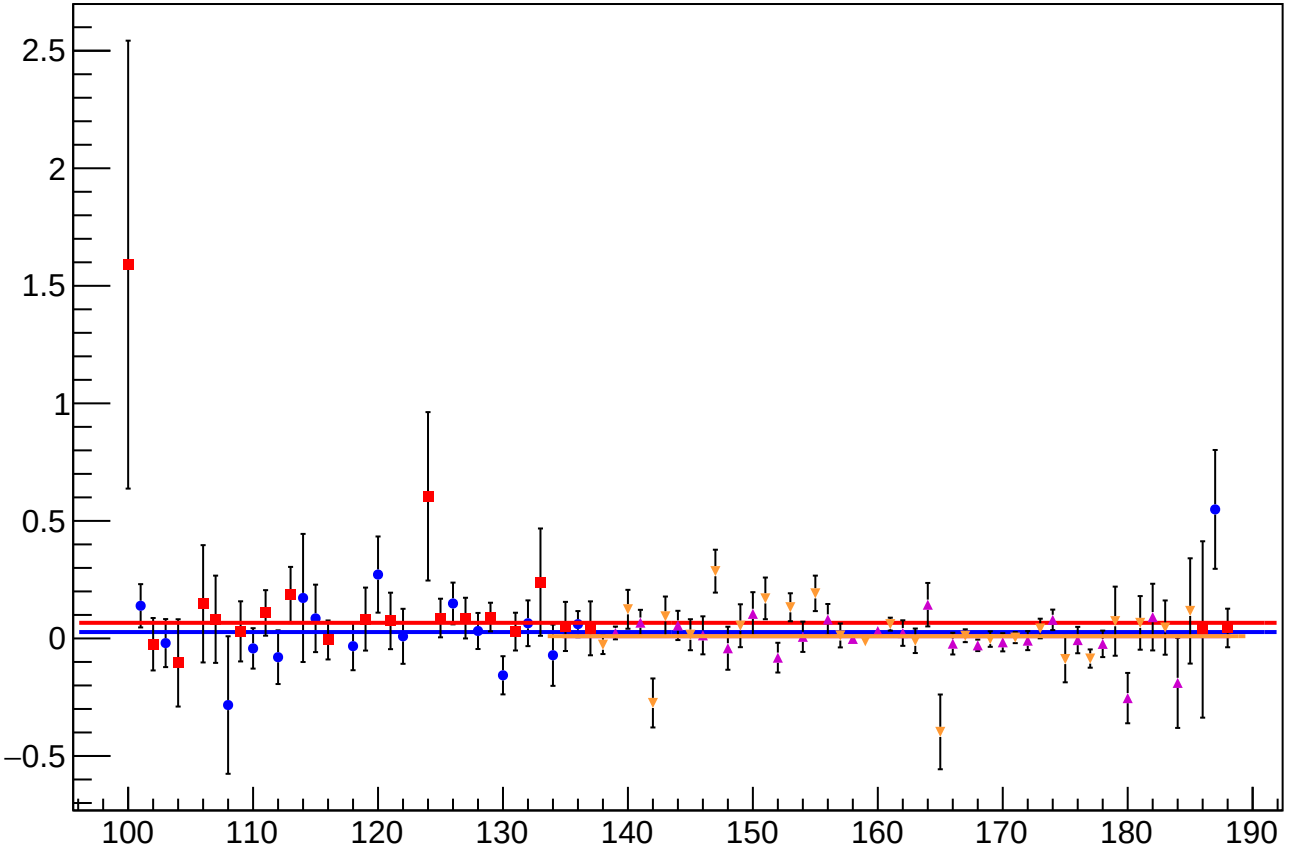
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 31.557+/-0.006 χ^2/NDF: 14891156.9/41

All: 30.066+/-0.004 χ^2/NDF: 31488047.2/85

- sign 28.745+/-0.005 χ^2/NDF: 16465766.3/43

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

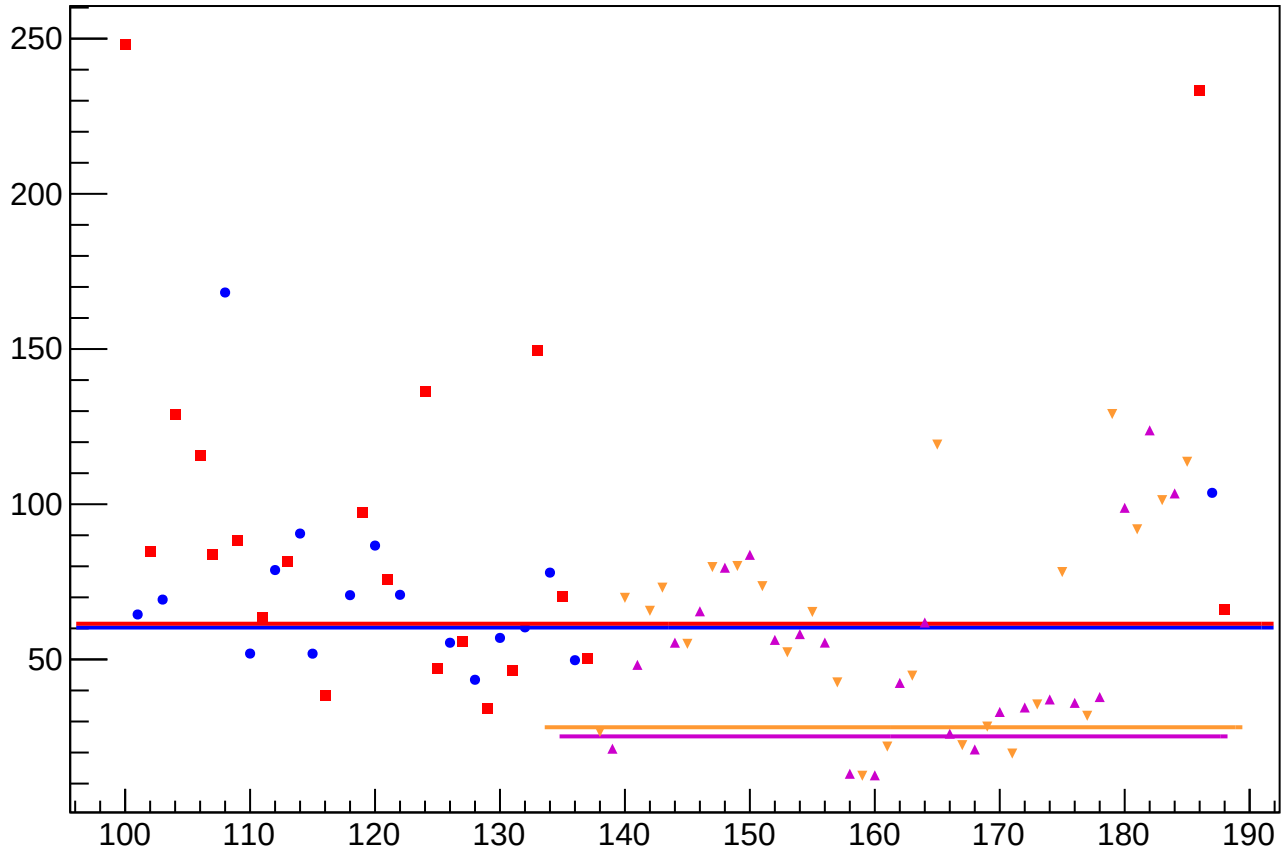
Right Out: 0.066+/-0.024 χ^2/NDF: 9.7/20

Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 74.9/41

All: 0.013+/-0.005 χ^2/NDF: 114.9/85

- sign 0.015+/-0.008 χ^2/NDF: 39.9/43



Right In: 60.282+/-0.017 χ^2/NDF: 758508.8/16

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

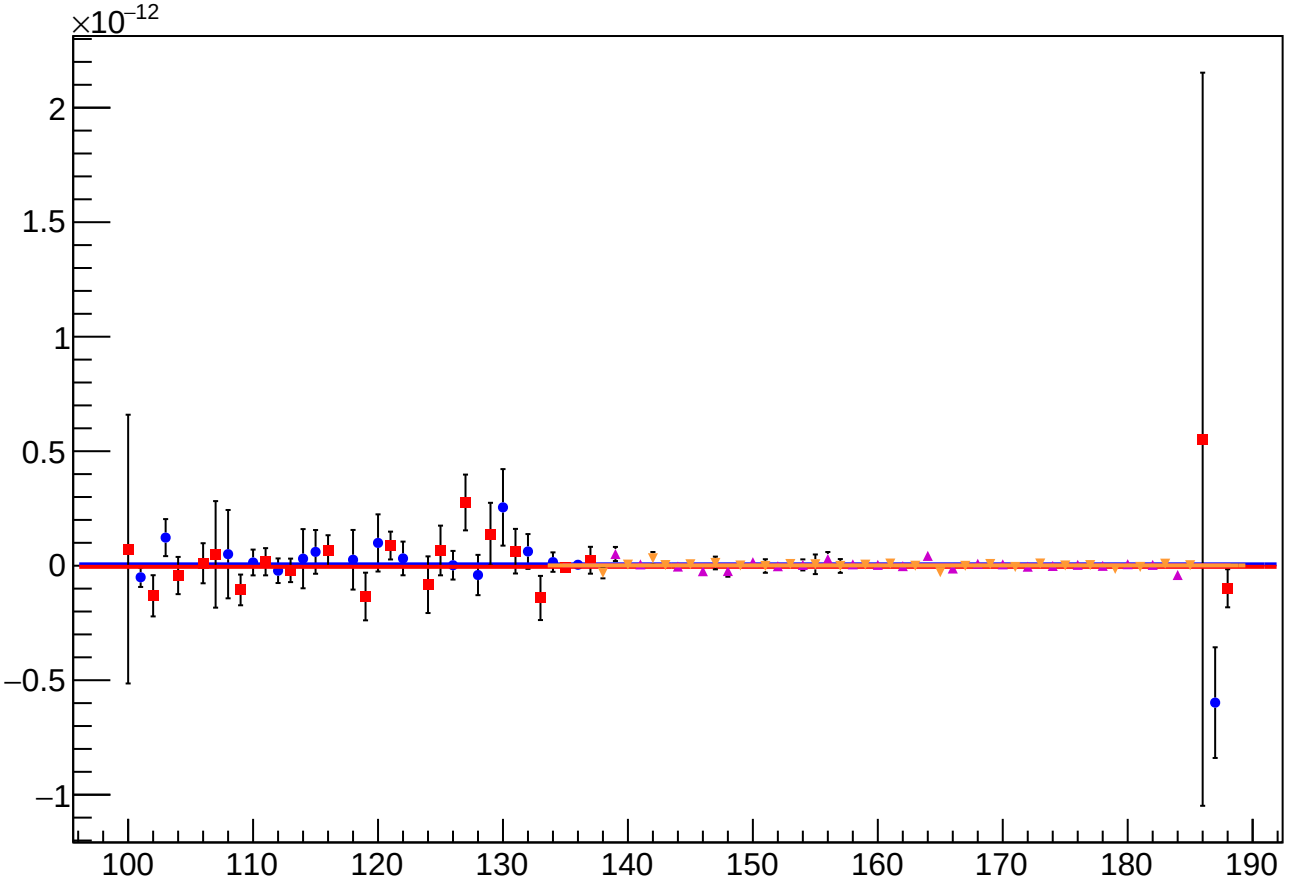
Right Out: 61.506+/-0.017 χ^2/NDF: 2408624.1/20

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 31.557+/-0.006 χ^2/NDF: 14891156.9/41

All: 30.066+/-0.004 χ^2/NDF: 31488047.2/85

- sign 28.745+/-0.005 χ^2/NDF: 16465766.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/20

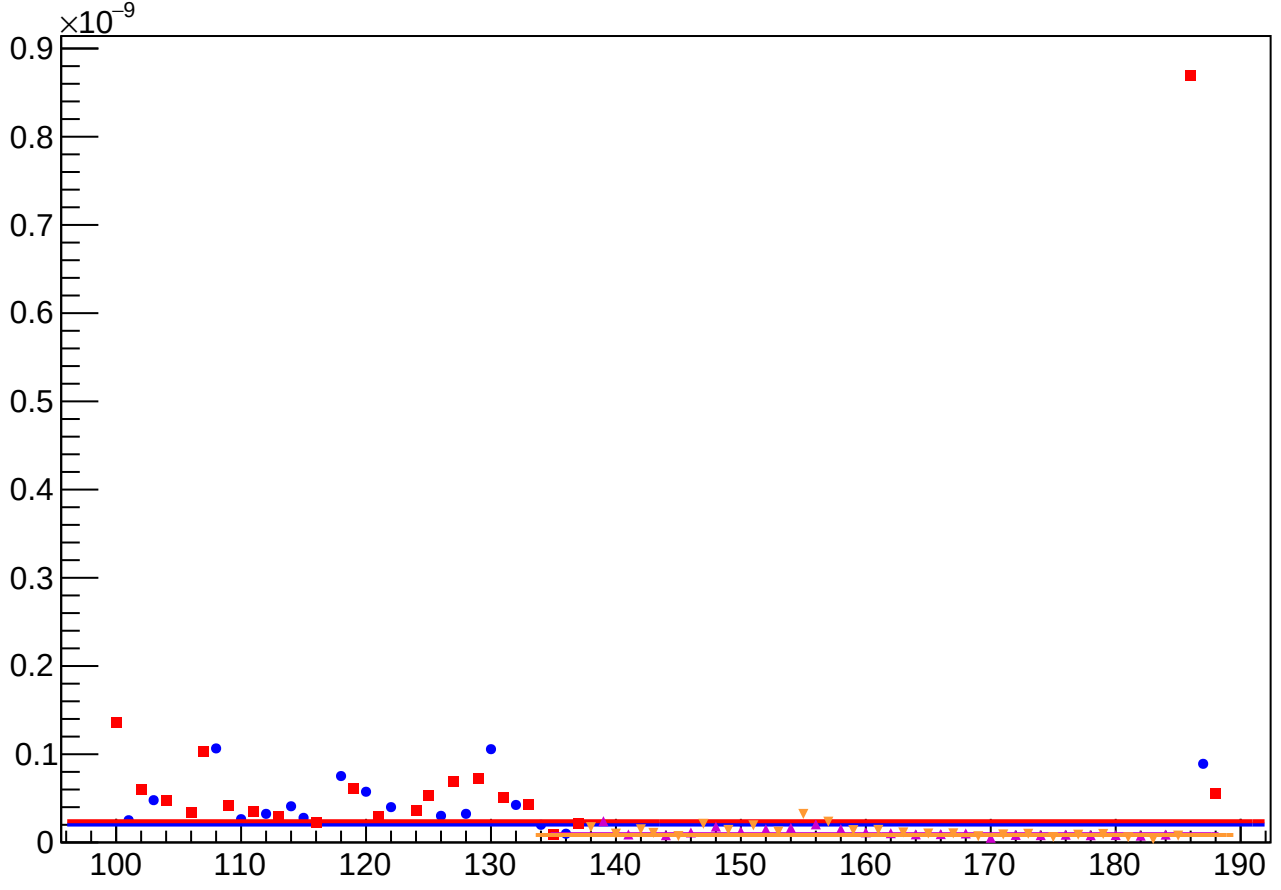
Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 26.0/41

All: 0.000+/-0.000 χ^2/NDF: 68.2/85

- sign 0.000+/-0.000 χ^2/NDF: 42.2/43

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3284248.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4377871.8/20

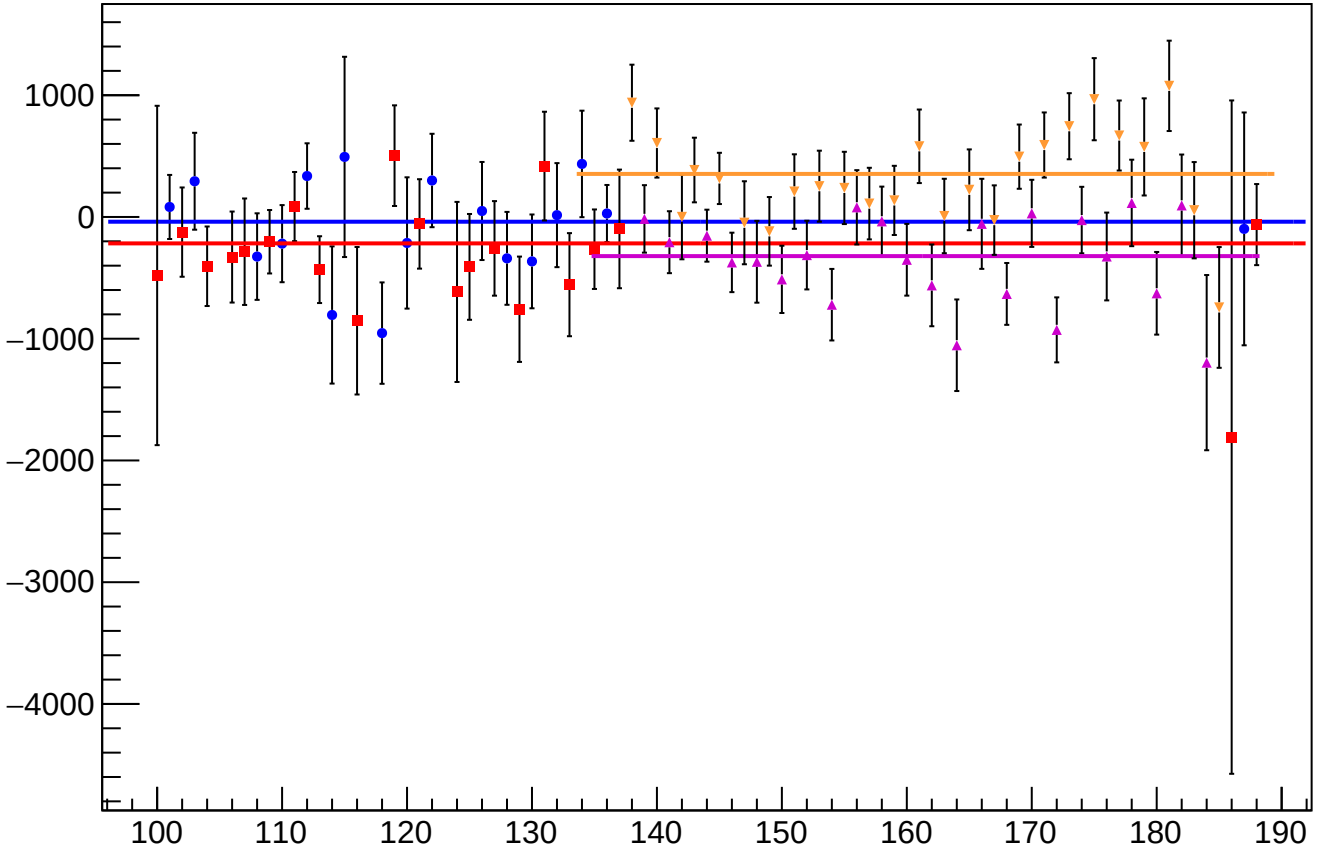
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9432431.8/41

All: 0.000+/-0.000 χ^2/NDF: 18400255.5/85

- sign 0.000+/-0.000 χ^2/NDF: 8828726.6/43

reg_asym_sam4_mean vs Slug



Right In: -39.027+/-90.214 χ^2/NDF: 14.5/16

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -217.020+/-84.956 χ^2/NDF: 12.0/20

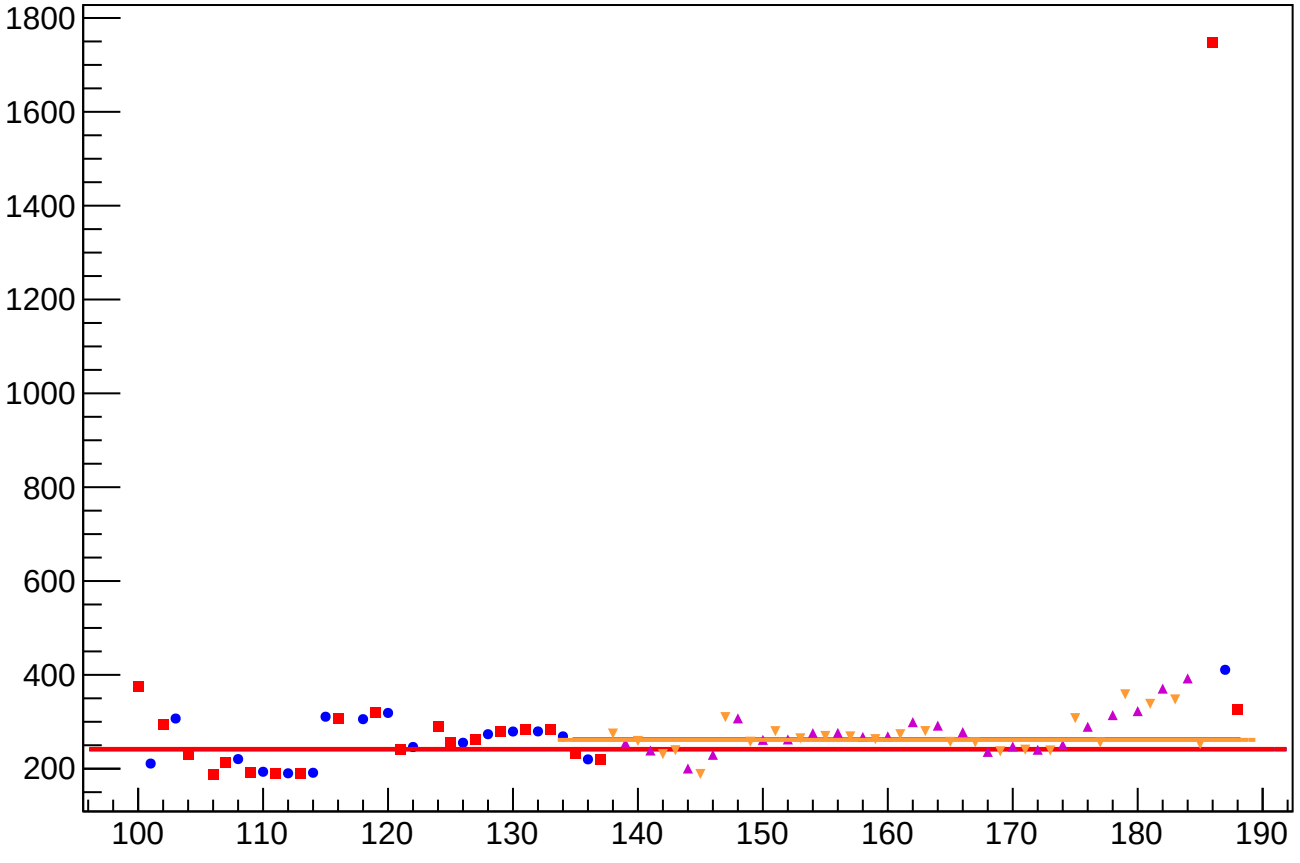
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 232.787+/-50.045 χ^2/NDF: 59.9/41

All: -25.667+/-35.421 χ^2/NDF: 152.6/85

- sign -285.112+/-50.141 χ^2/NDF: 39.2/43

reg_asym_sam4_rms vs Slug



Right In: 240.974+/-0.064 χ^2/NDF: 464598.4/16

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 242.193+/-0.060 χ^2/NDF: 1213973.5/20

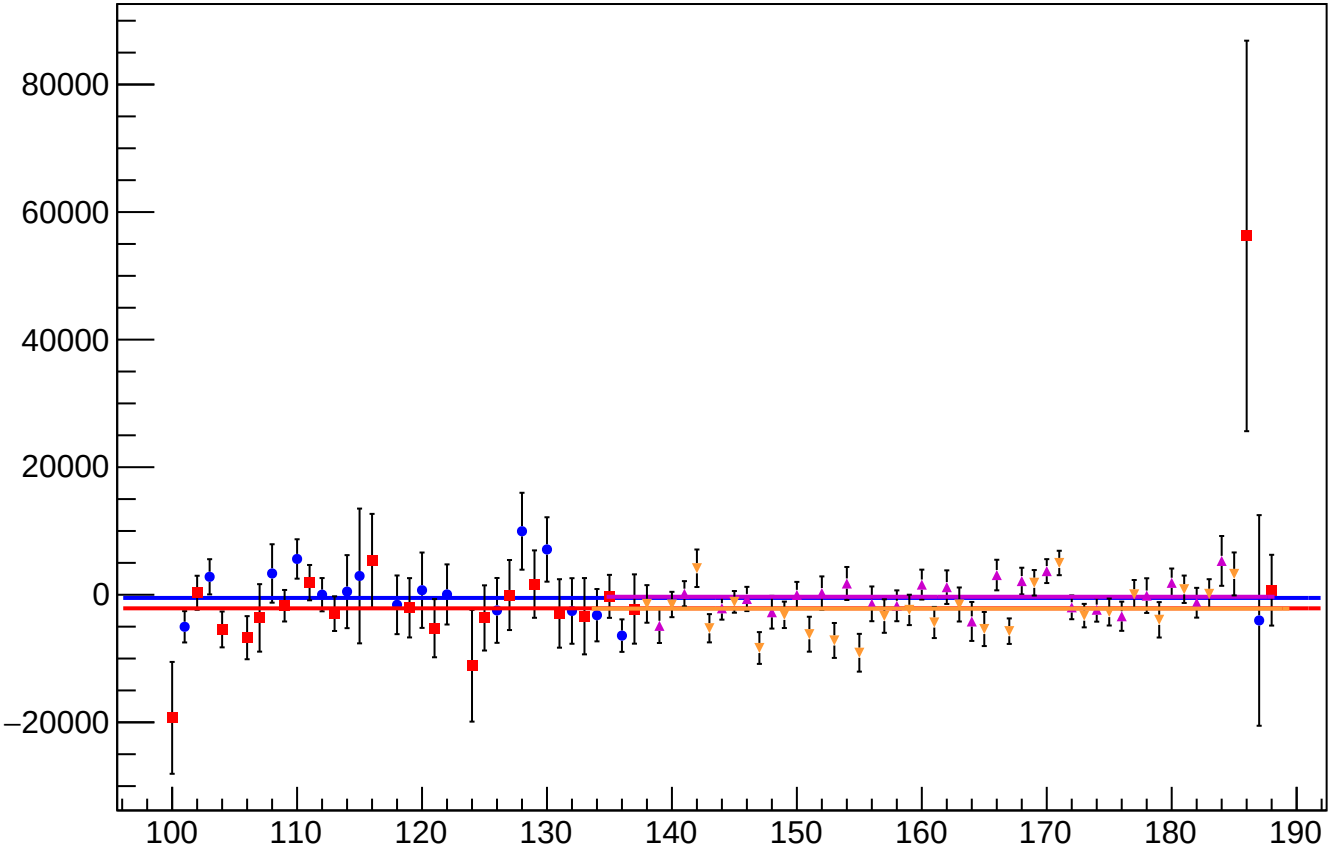
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 255.162+/-0.035 χ^2/NDF: 1251527.8/41

All: 255.332+/-0.025 χ^2/NDF: 3211515.3/85

- sign 255.502+/-0.035 χ^2/NDF: 1959941.6/43

asym_sam4_reg_correction_mean vs Slug



Right In: -497.553+/-945.903 χ^2/NDF: 21.2/16

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2128.218+/-882.415 χ^2/NDF: 17.8/20

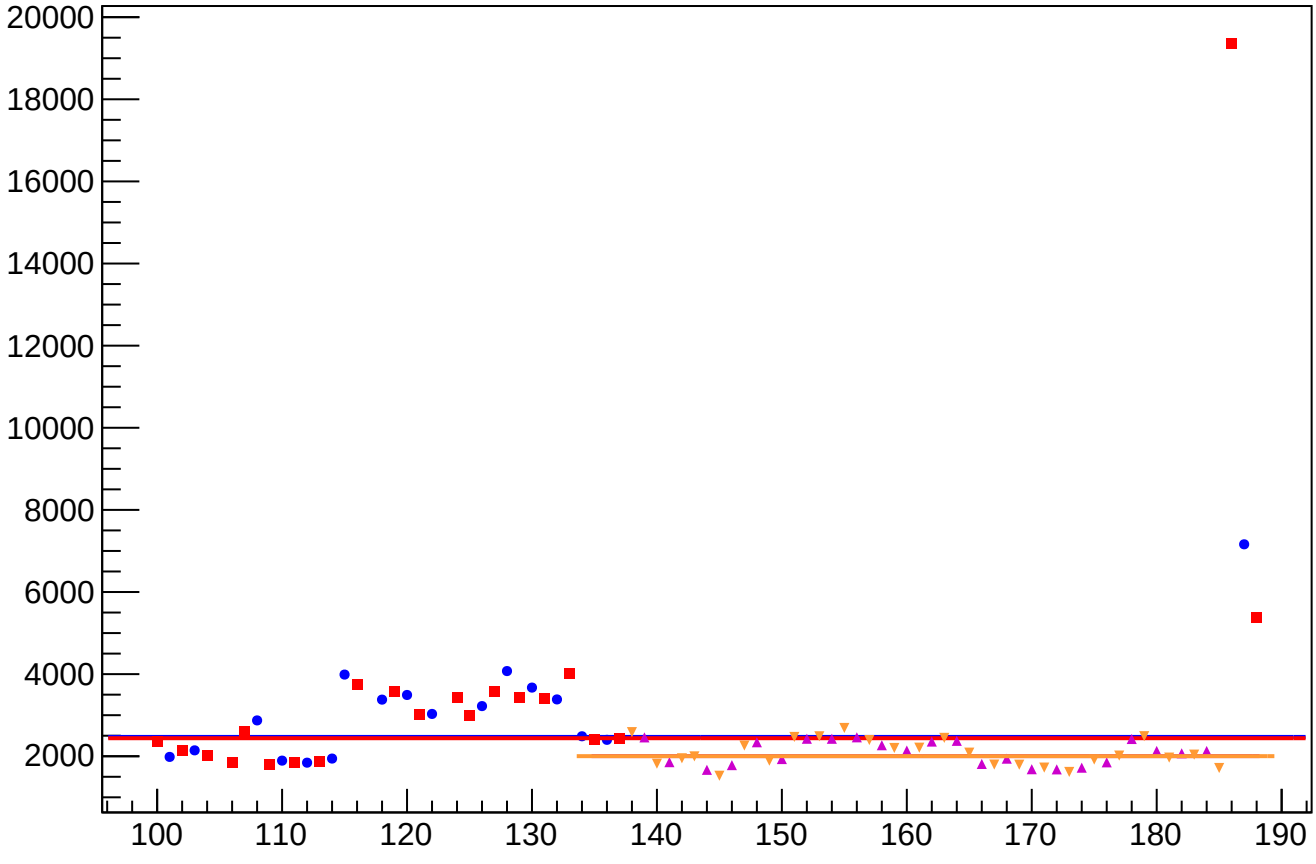
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1849.754+/-414.875 χ^2/NDF: 79.2/41

All: -1288.697+/-294.330 χ^2/NDF: 127.6/85

- sign -720.168+/-417.628 χ^2/NDF: 44.7/43

asym_sam4_reg_correction_rms vs Slug



Right In: 2470.548+/-0.669 χ^2/NDF: 1056352.0/16

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2439.267+/-0.624 χ^2/NDF: 2245913.2/20

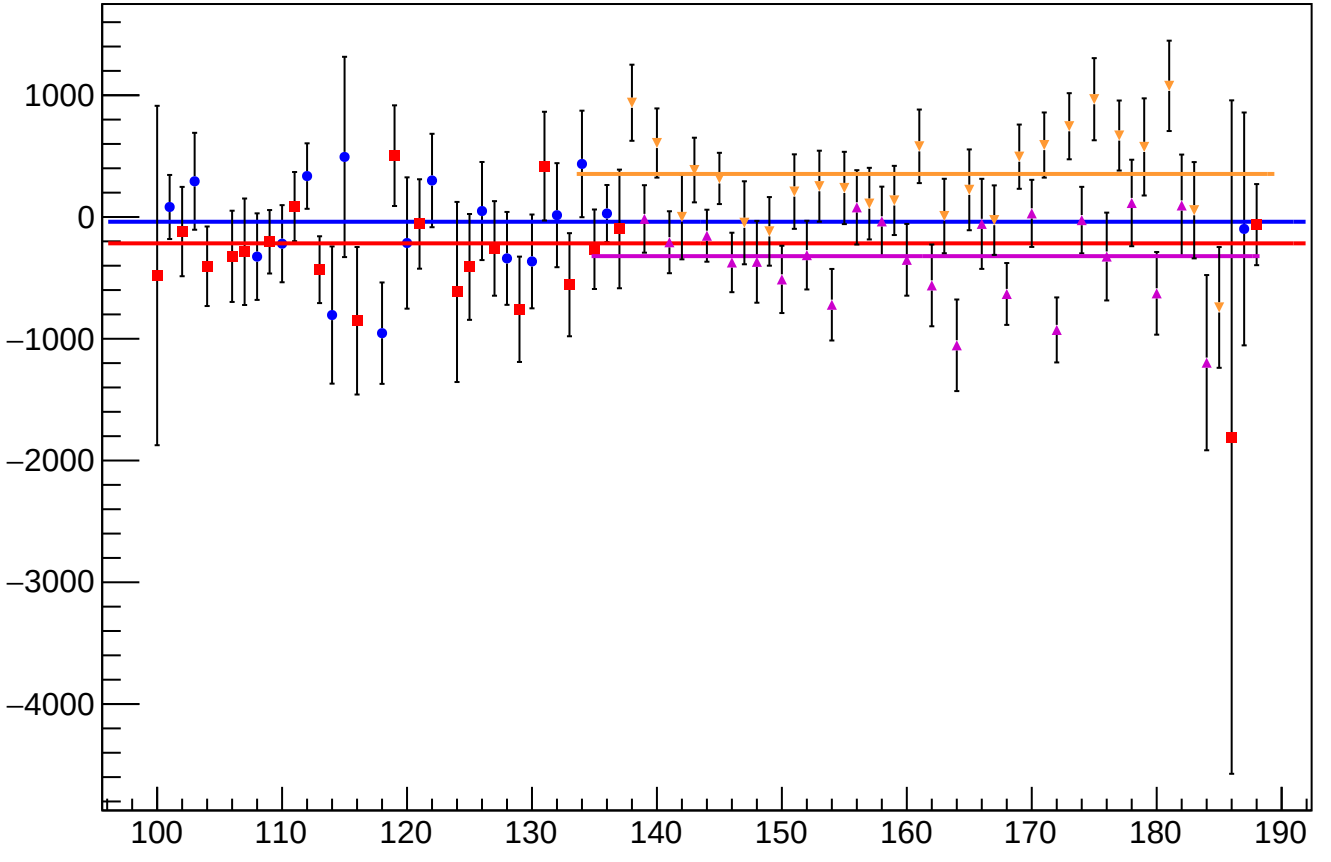
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2092.320+/-0.293 χ^2/NDF: 2345001.0/41

All: 2096.972+/-0.208 χ^2/NDF: 5673542.9/85

- sign 2101.686+/-0.295 χ^2/NDF: 3328035.6/43

cor_asym_sam4_mean vs Slug



Right In: -39.049+/-90.214 χ^2/NDF: 14.5/16

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -216.404+/-84.969 χ^2/NDF: 12.0/20

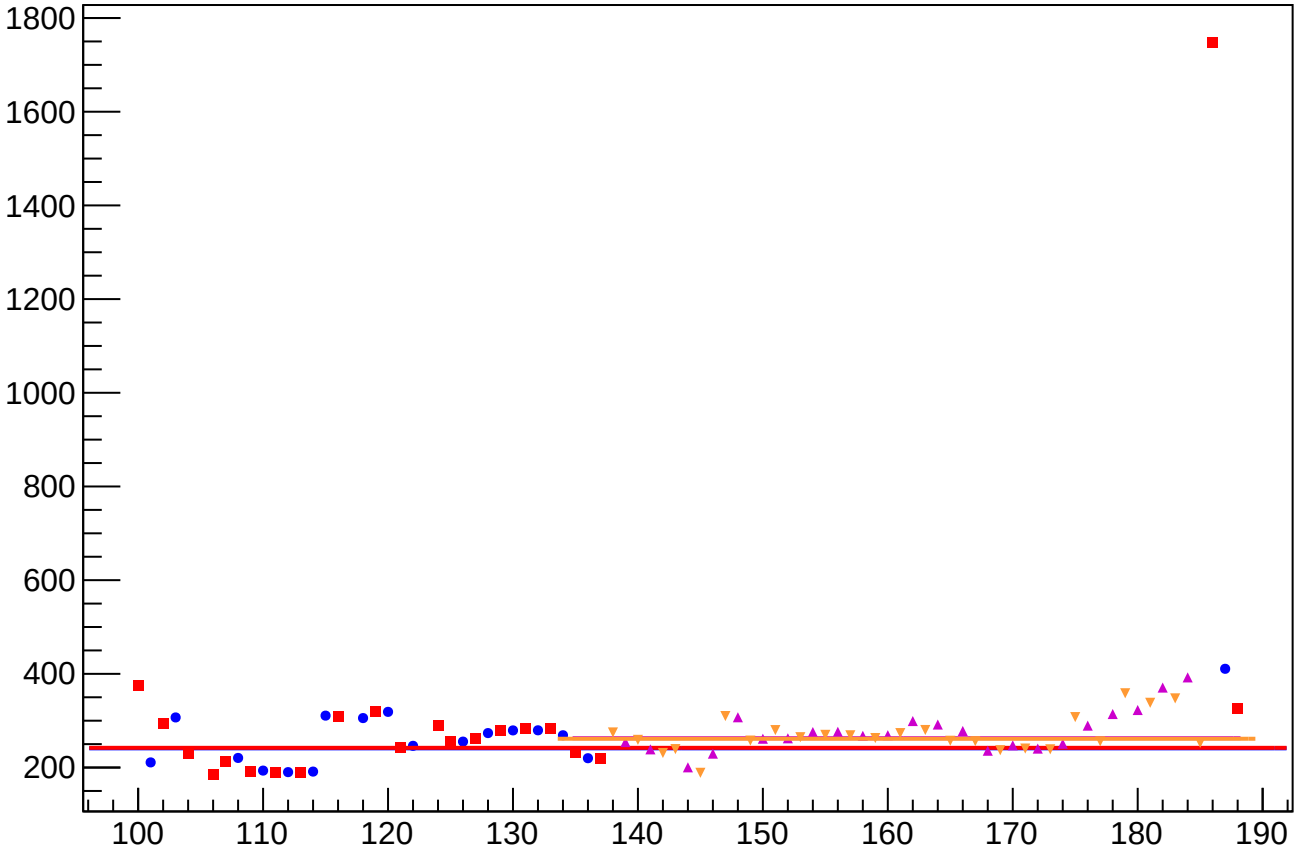
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 232.796+/-50.045 χ^2/NDF: 59.9/41

All: -25.547+/-35.422 χ^2/NDF: 152.5/85

- sign -284.908+/-50.144 χ^2/NDF: 39.2/43

cor_asym_sam4_rms vs Slug



Right In: 240.974+/-0.064 χ^2/NDF: 464600.8/16

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 242.081+/-0.060 χ^2/NDF: 1217954.8/20

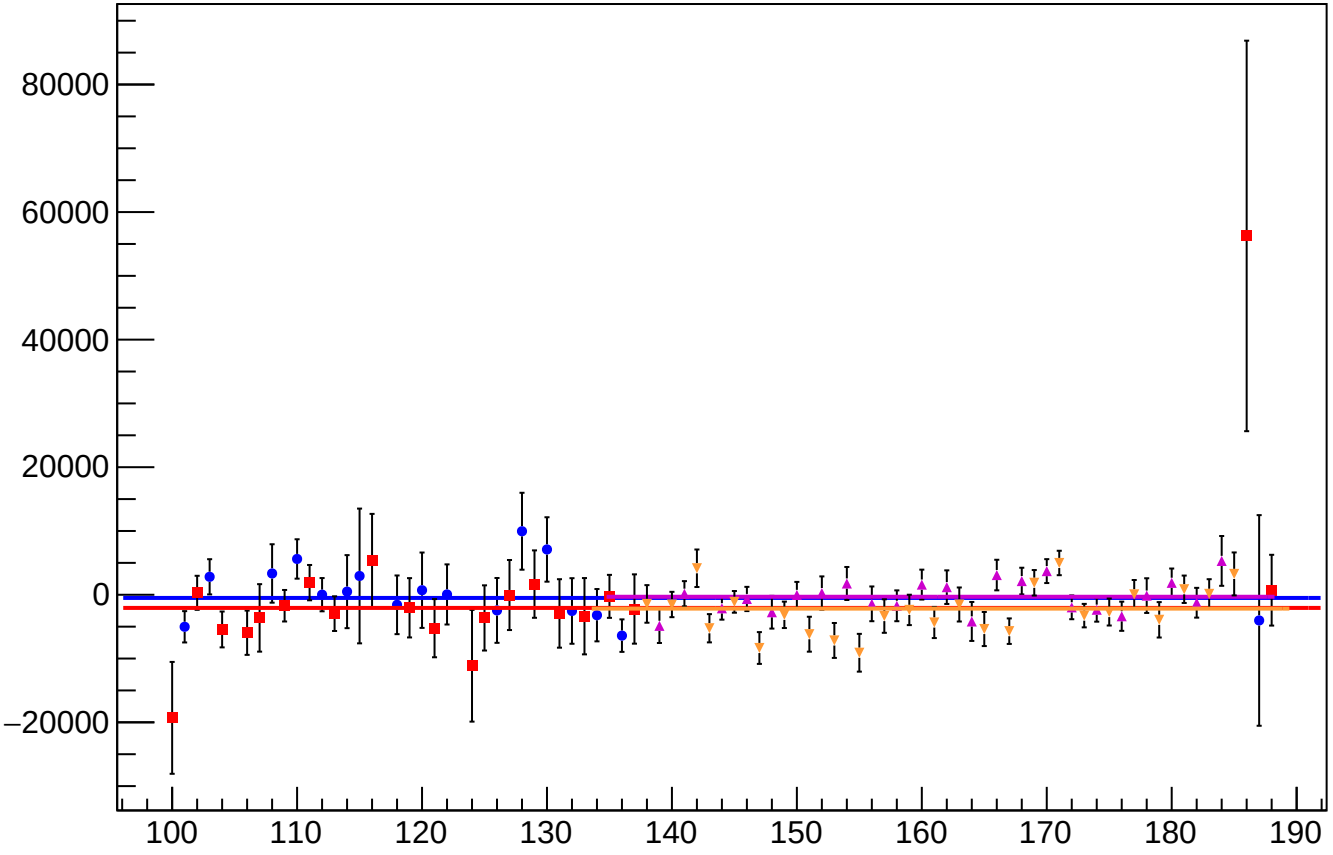
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 255.163+/-0.035 χ^2/NDF: 1251529.8/41

All: 255.313+/-0.025 χ^2/NDF: 3216299.6/85

- sign 255.464+/-0.035 χ^2/NDF: 1964733.5/43

asym_sam4_cor_correction_mean vs Slug



Right In: -497.724+/-945.911 χ^2/NDF: 21.2/16

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2062.453+/-884.041 χ^2/NDF: 17.1/20

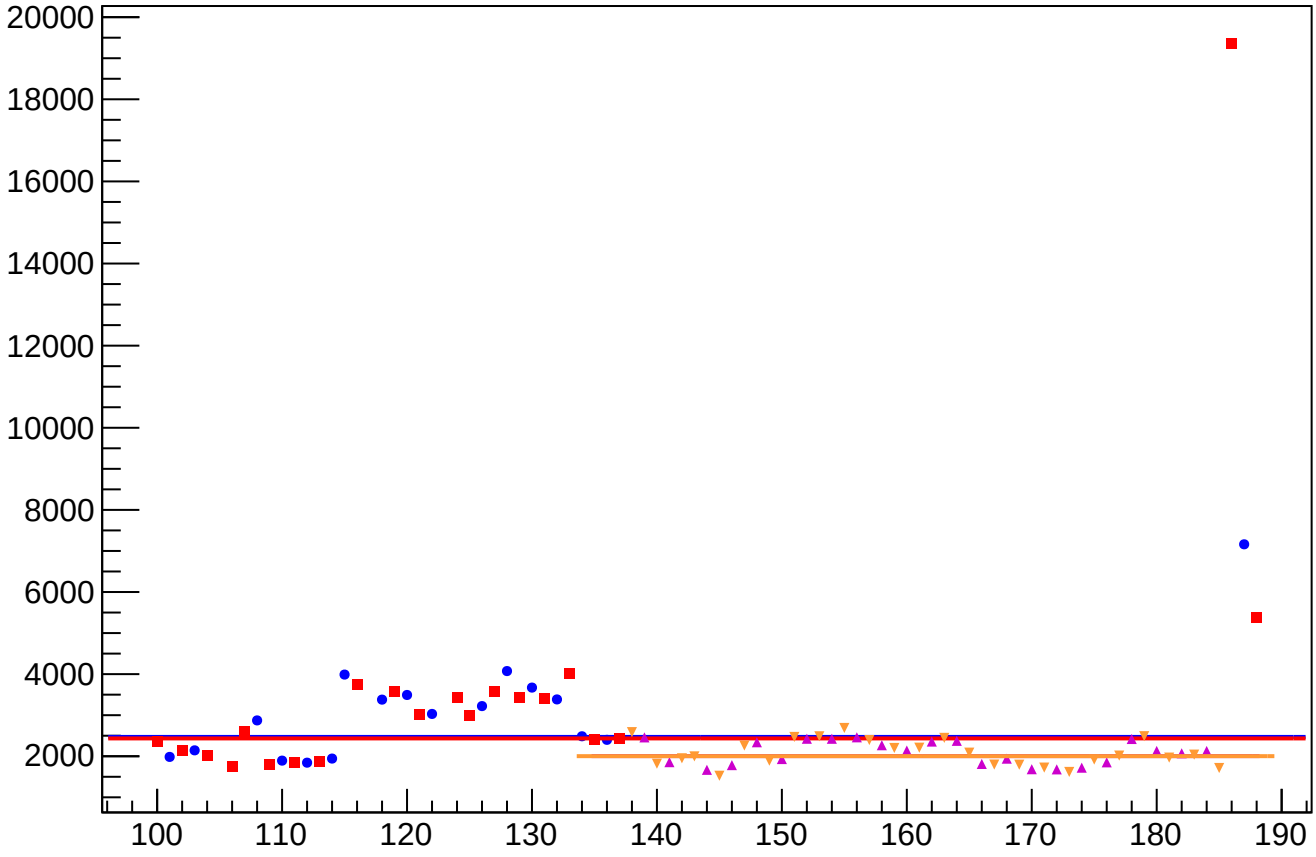
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1849.768+/-414.876 χ^2/NDF: 79.2/41

All: -1281.069+/-294.390 χ^2/NDF: 126.9/85

- sign -704.325+/-417.800 χ^2/NDF: 43.9/43

asym_sam4_cor_correction_rms vs Slug



Right In: 2470.573+/-0.669 χ^2/NDF: 1056318.8/16

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

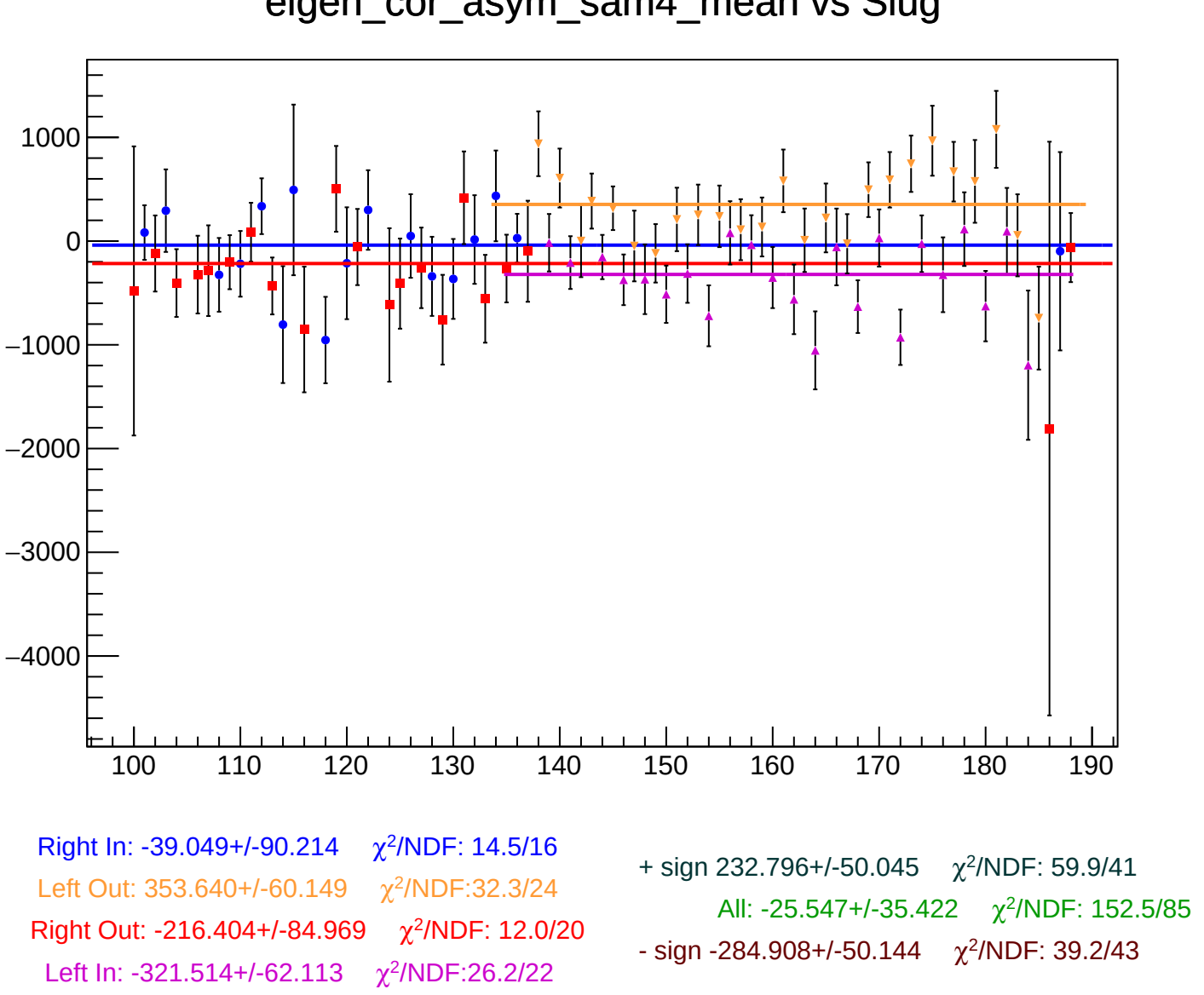
Right Out: 2434.255+/-0.625 χ^2/NDF: 2266297.7/20

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

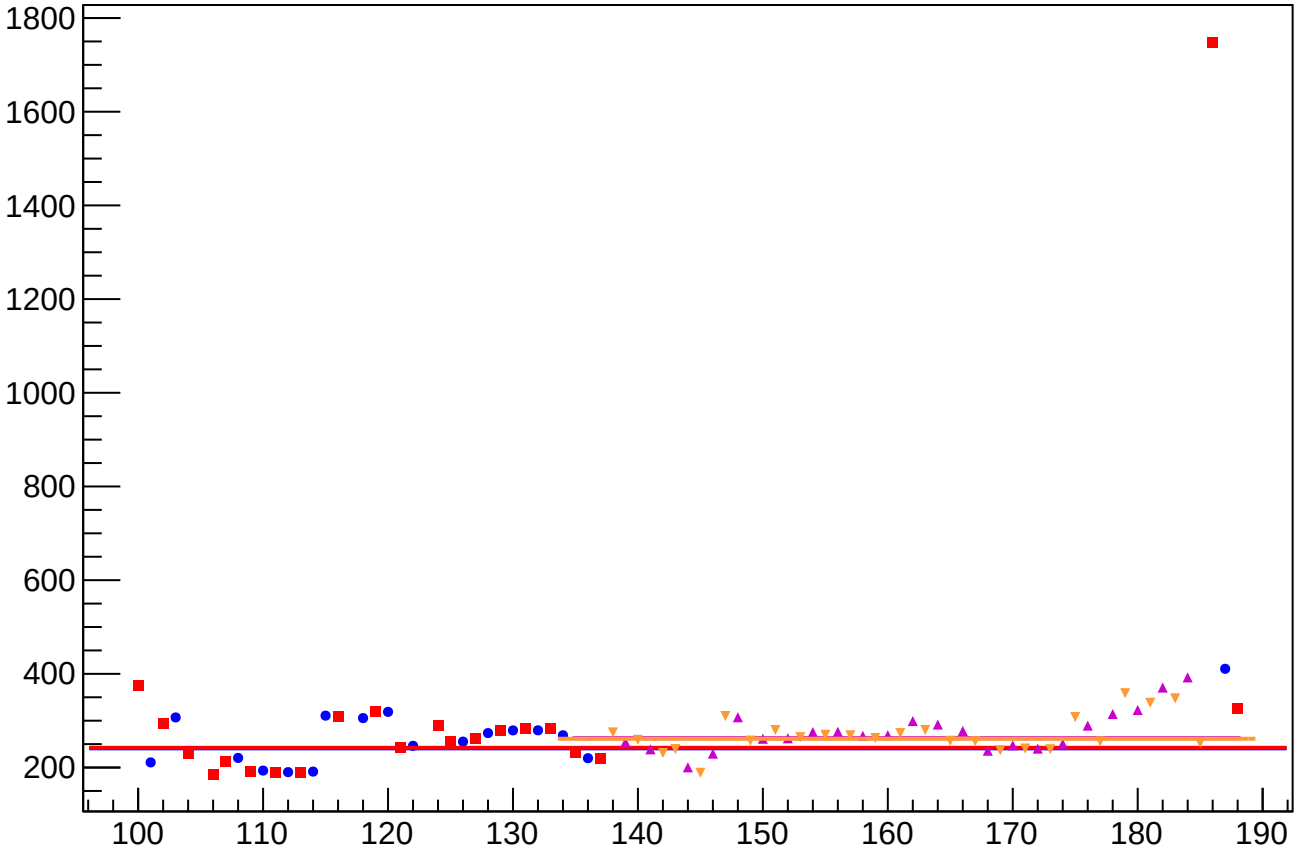
+ sign 2092.324+/-0.293 χ^2/NDF: 2345003.5/41

All: 2096.278+/-0.208 χ^2/NDF: 5684096.2/85

- sign 2100.289+/-0.295 χ^2/NDF: 3338726.7/43


eigen_cor_asym_sam4_mean vs Slug
1000
0
−1000
−2000
−3000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: -39.049+/-90.214 χ²/NDF: 14.5/16
Left Out: 353.640+/-60.149 χ²/NDF:32.3/24
Right Out: -216.404+/-84.969 χ²/NDF: 12.0/20
Left In: -321.514+/-62.113 χ²/NDF:26.2/22
+ sign 232.796+/-50.045 χ²/NDF: 59.9/41
All: -25.547+/-35.422 χ²/NDF: 152.5/85
- sign -284.908+/-50.144 χ²/NDF: 39.2/43

eigen_cor_asym_sam4_rms vs Slug



Right In: 240.974+/-0.064 χ^2/NDF: 464600.8/16

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 242.081+/-0.060 χ^2/NDF: 1217954.8/20

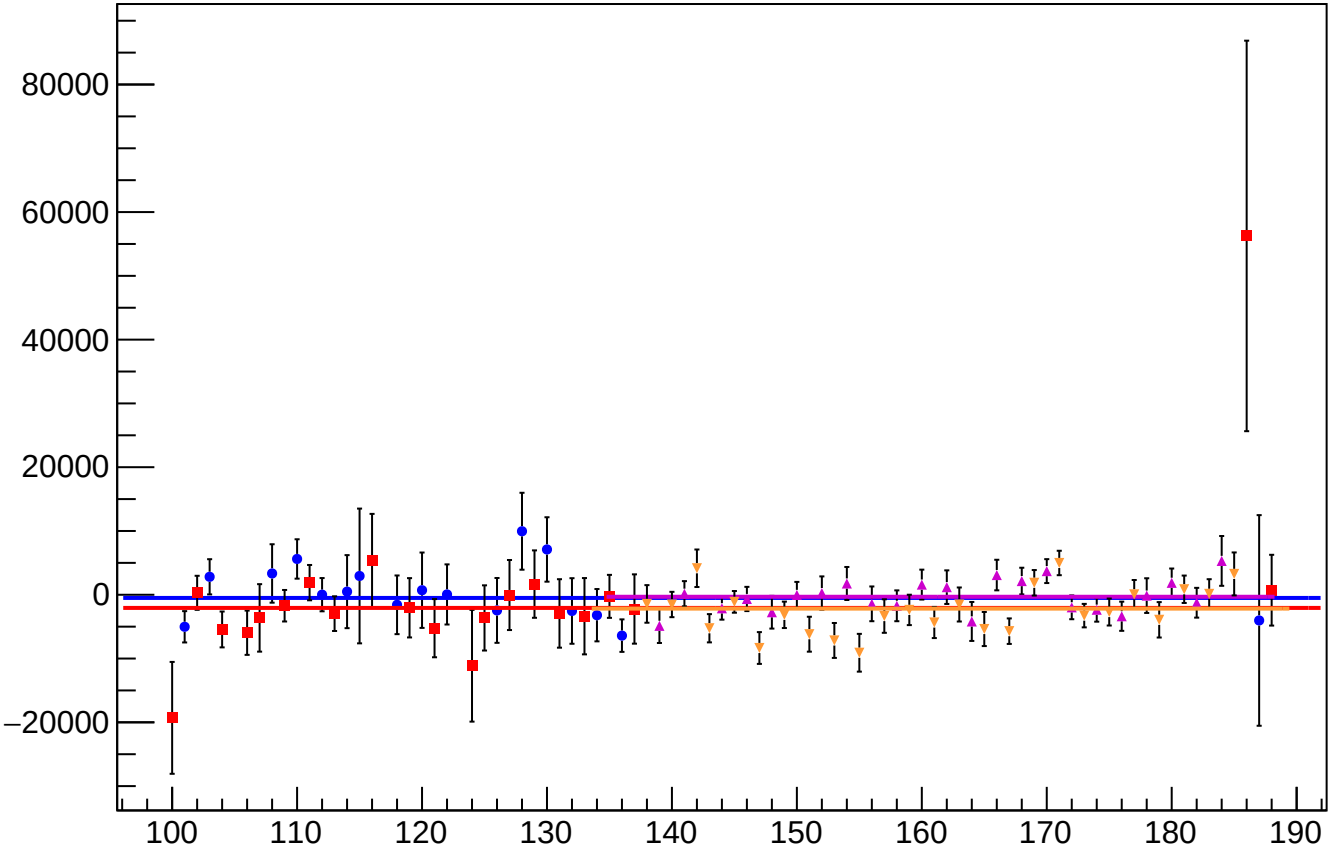
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 255.163+/-0.035 χ^2/NDF: 1251529.8/41

All: 255.313+/-0.025 χ^2/NDF: 3216299.6/85

- sign 255.464+/-0.035 χ^2/NDF: 1964733.5/43

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -497.724+/-945.911 χ^2/NDF: 21.2/16

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2062.453+/-884.041 χ^2/NDF: 17.1/20

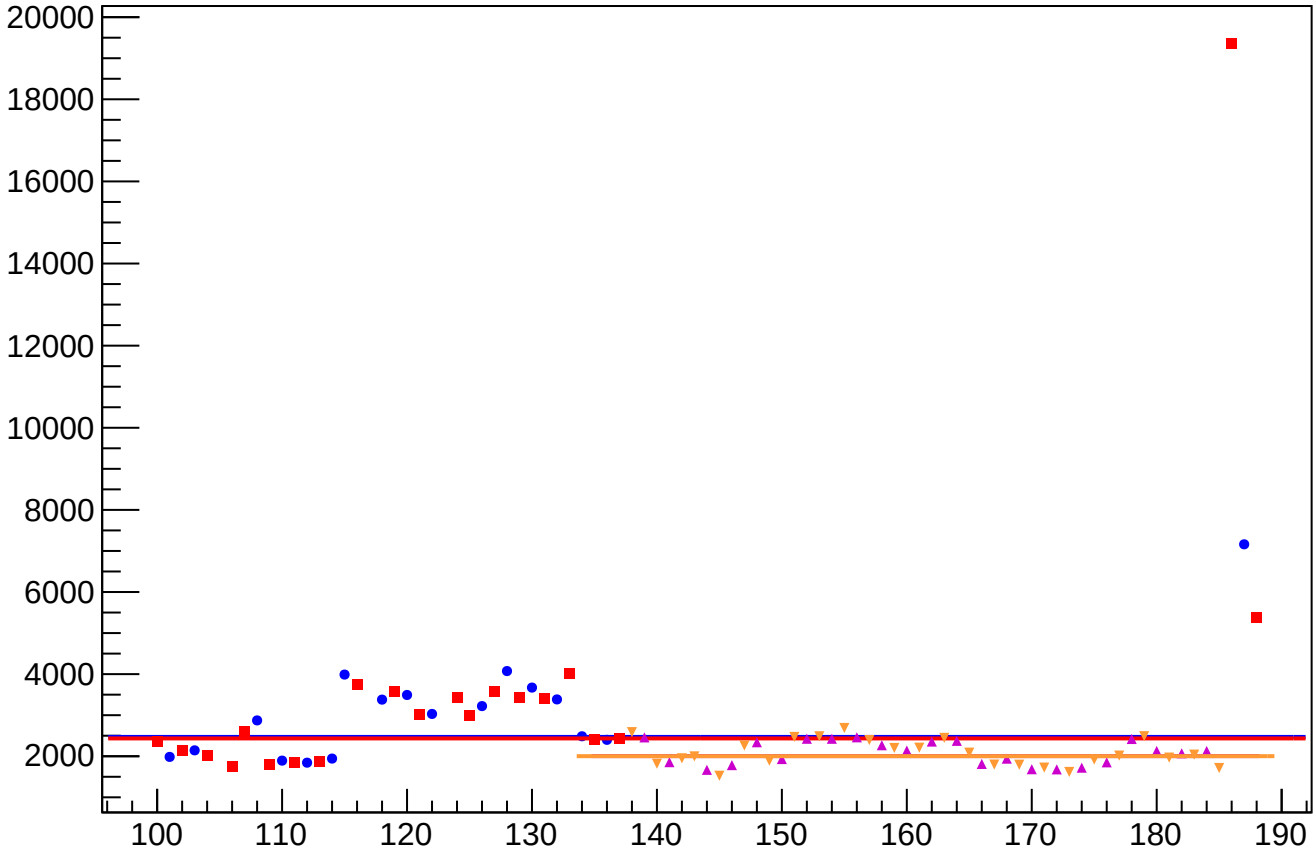
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1849.768+/-414.876 χ^2/NDF: 79.2/41

All: -1281.069+/-294.390 χ^2/NDF: 126.9/85

- sign -704.325+/-417.800 χ^2/NDF: 43.9/43

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2470.573+/-0.669 χ^2/NDF: 1056318.8/16

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2434.255+/-0.625 χ^2/NDF: 2266297.7/20

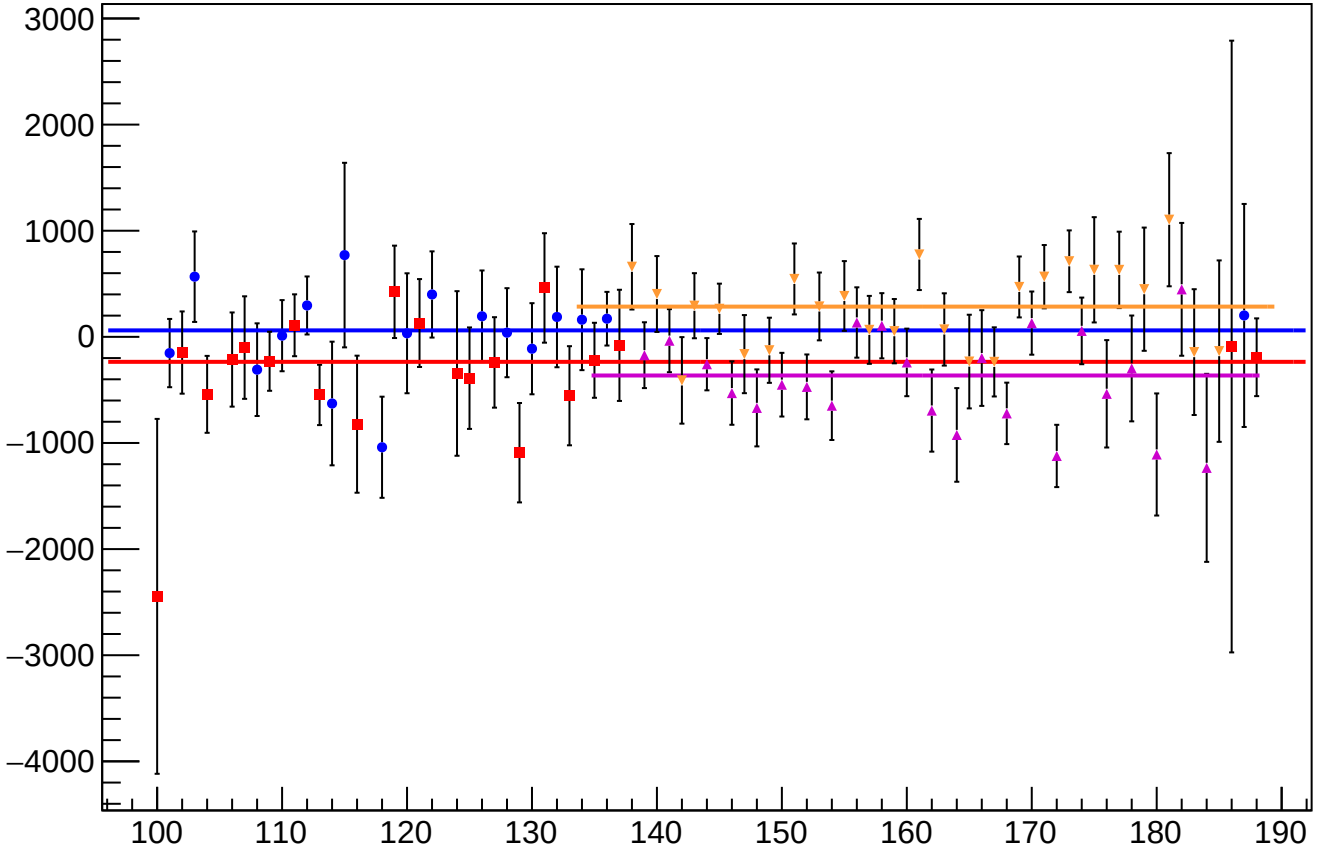
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2092.324+/-0.293 χ^2/NDF: 2345003.5/41

All: 2096.278+/-0.208 χ^2/NDF: 5684096.2/85

- sign 2100.289+/-0.295 χ^2/NDF: 3338726.7/43

dit_asym_sam4_mean vs Slug



Right In: 60.982+/-98.790 χ^2/NDF: 12.0/16

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -235.449+/-91.968 χ^2/NDF: 15.0/20

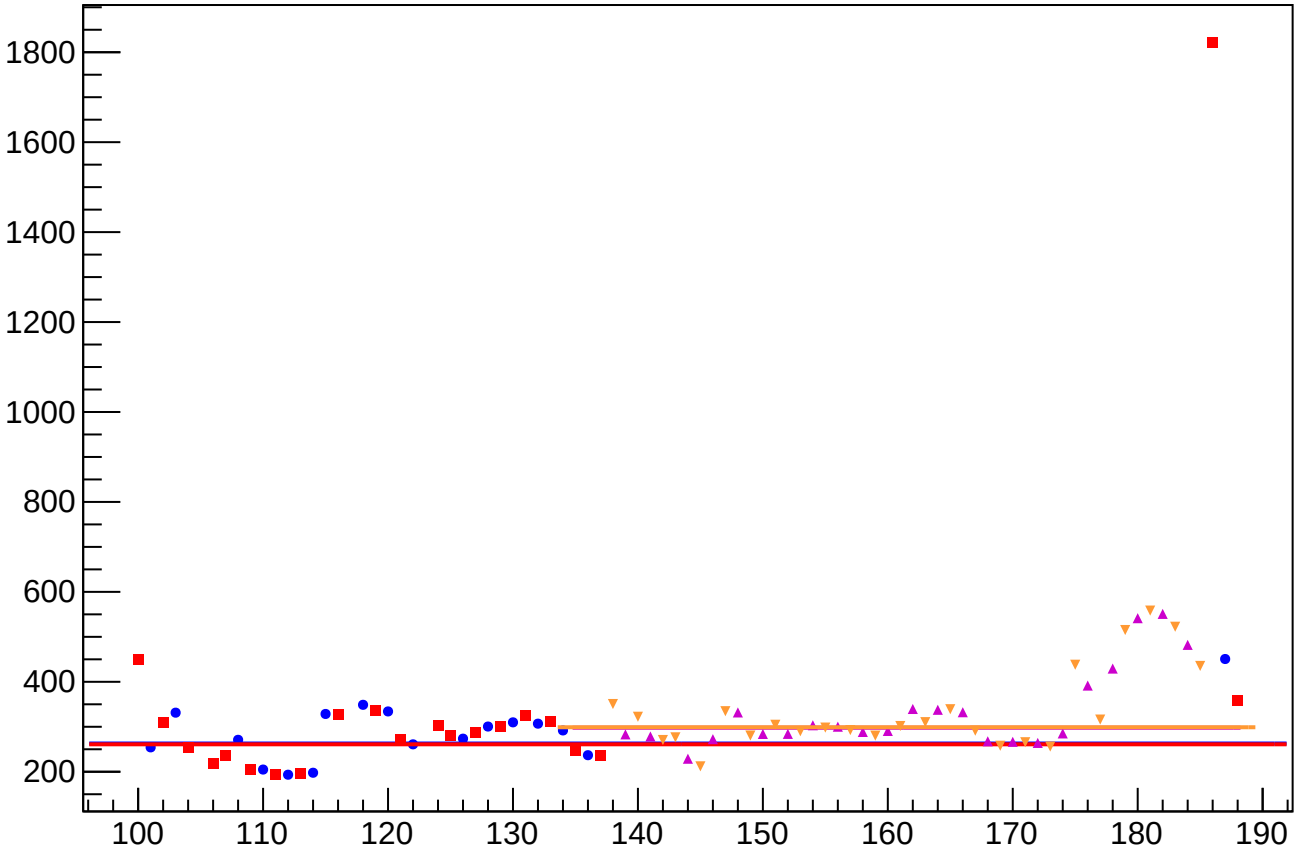
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 210.011+/-57.135 χ^2/NDF: 38.3/41

All: -55.432+/-40.193 χ^2/NDF: 125.4/85

- sign -315.493+/-56.553 χ^2/NDF: 44.4/43

dit_asym_sam4_rms vs Slug



Right In: 262.765+/-0.070 χ^2/NDF: 527209.6/16

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 261.016+/-0.065 χ^2/NDF: 1278728.2/20

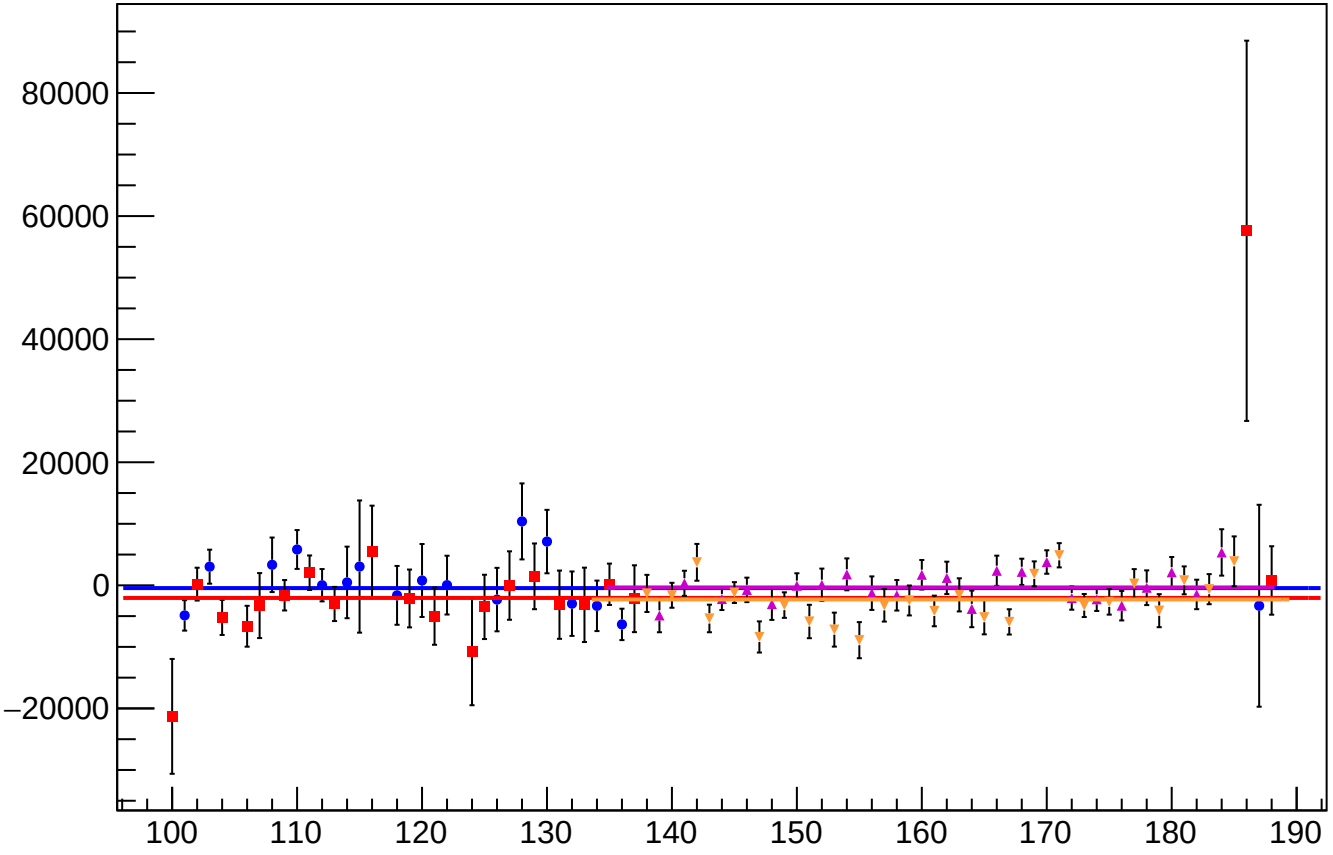
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 286.839+/-0.040 χ^2/NDF: 2318743.8/41

All: 285.376+/-0.028 χ^2/NDF: 5119018.7/85

- sign 283.944+/-0.040 χ^2/NDF: 2797681.9/43

asym_sam4_dit_correction_mean vs Slug



Right In: -446.459+/-953.519 χ^2/NDF: 21.2/16

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2046.732+/-889.129 χ^2/NDF: 18.0/20

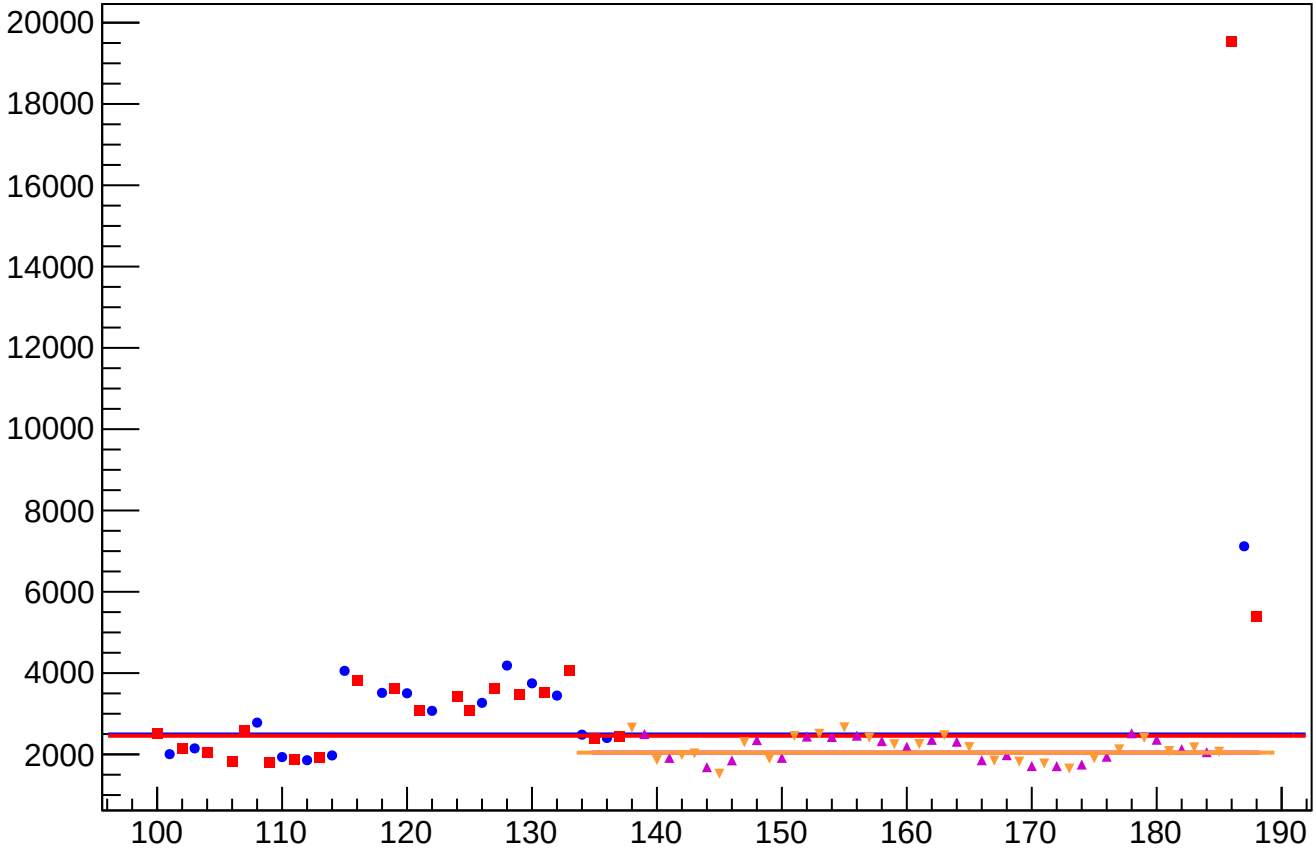
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1929.803+/-421.943 χ^2/NDF: 75.9/41

All: -1334.815+/-299.374 χ^2/NDF: 123.6/85

- sign -731.656+/-424.830 χ^2/NDF: 43.7/43

asym_sam4_dit_correction_rms vs Slug



Right In: 2490.310+/-0.674 χ^2/NDF: 1075989.8/16

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2457.911+/-0.629 χ^2/NDF: 2267431.1/20

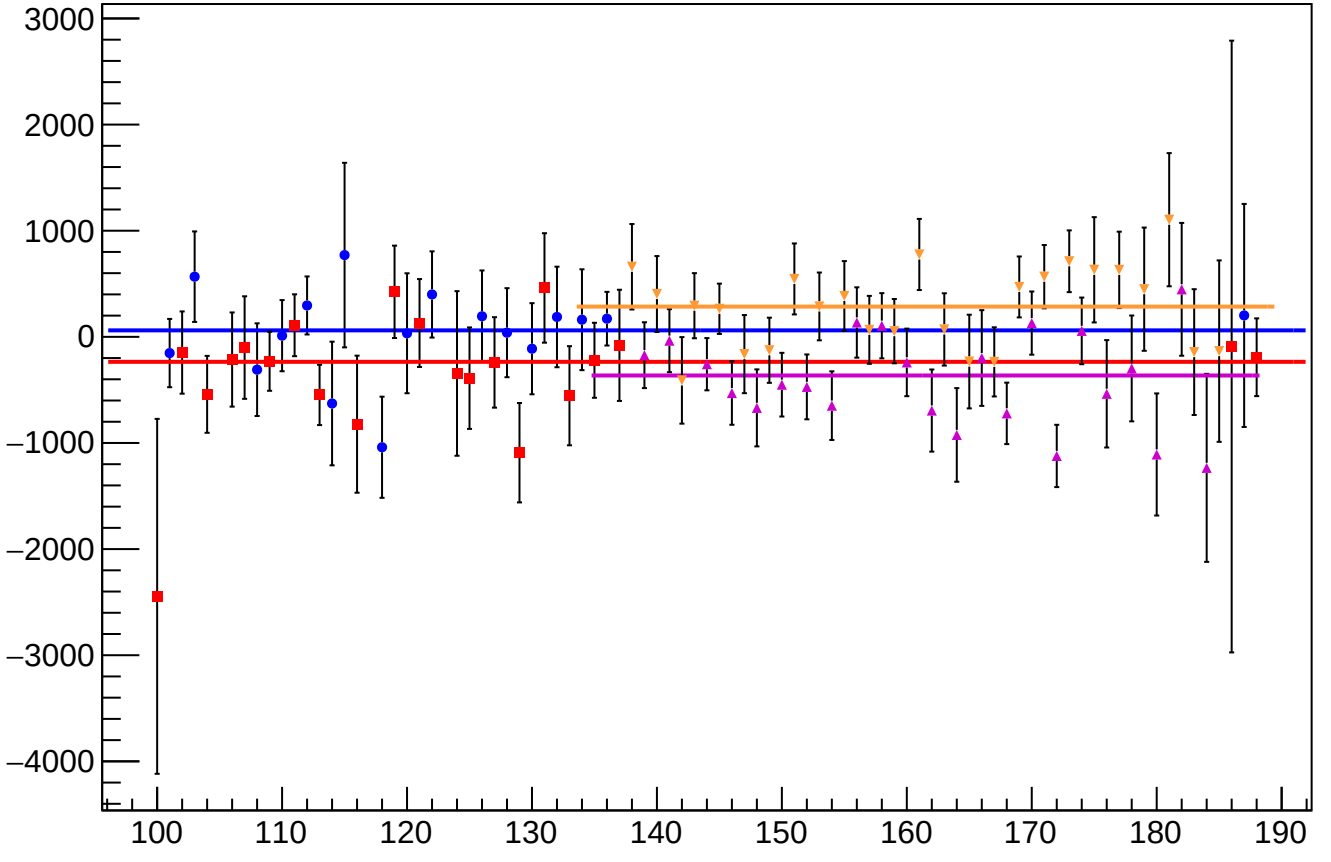
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2131.190+/-0.298 χ^2/NDF: 2282153.3/41

All: 2135.269+/-0.212 χ^2/NDF: 5572754.2/85

- sign 2139.404+/-0.300 χ^2/NDF: 3290224.5/43

eigen_dit_asym_sam4_mean vs Slug



Right In: 60.987+/-98.790 χ^2/NDF: 12.0/16

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

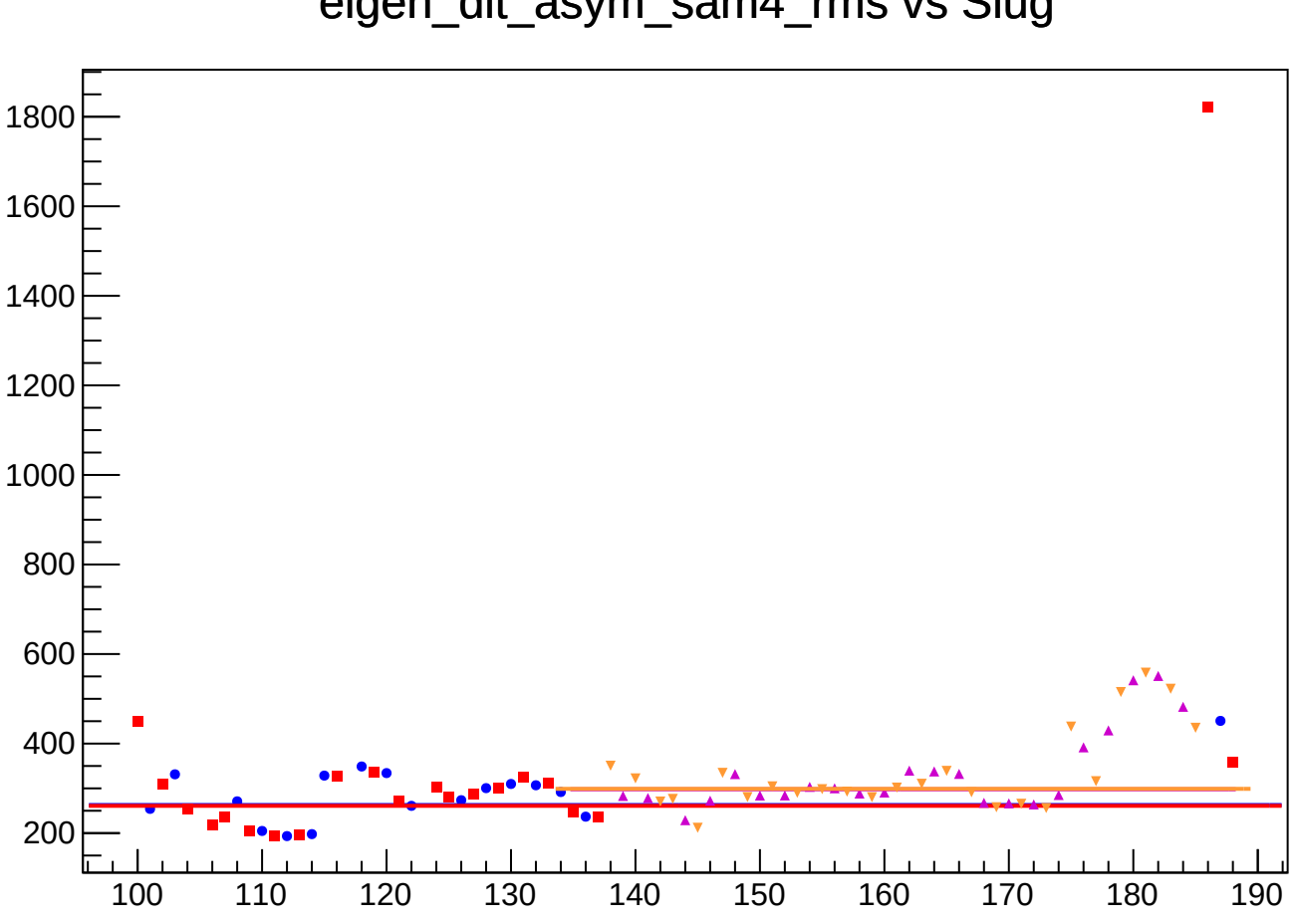
Right Out: -235.450+/-91.968 χ^2/NDF: 15.0/20

Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 210.016+/-57.135 χ^2/NDF: 38.3/41

All: -55.430+/-40.193 χ^2/NDF: 125.4/85

- sign -315.494+/-56.553 χ^2/NDF: 44.4/43



Right In: 262.765+/-0.070 χ^2/NDF: 527212.9/16

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 261.016+/-0.065 χ^2/NDF: 1278732.1/20

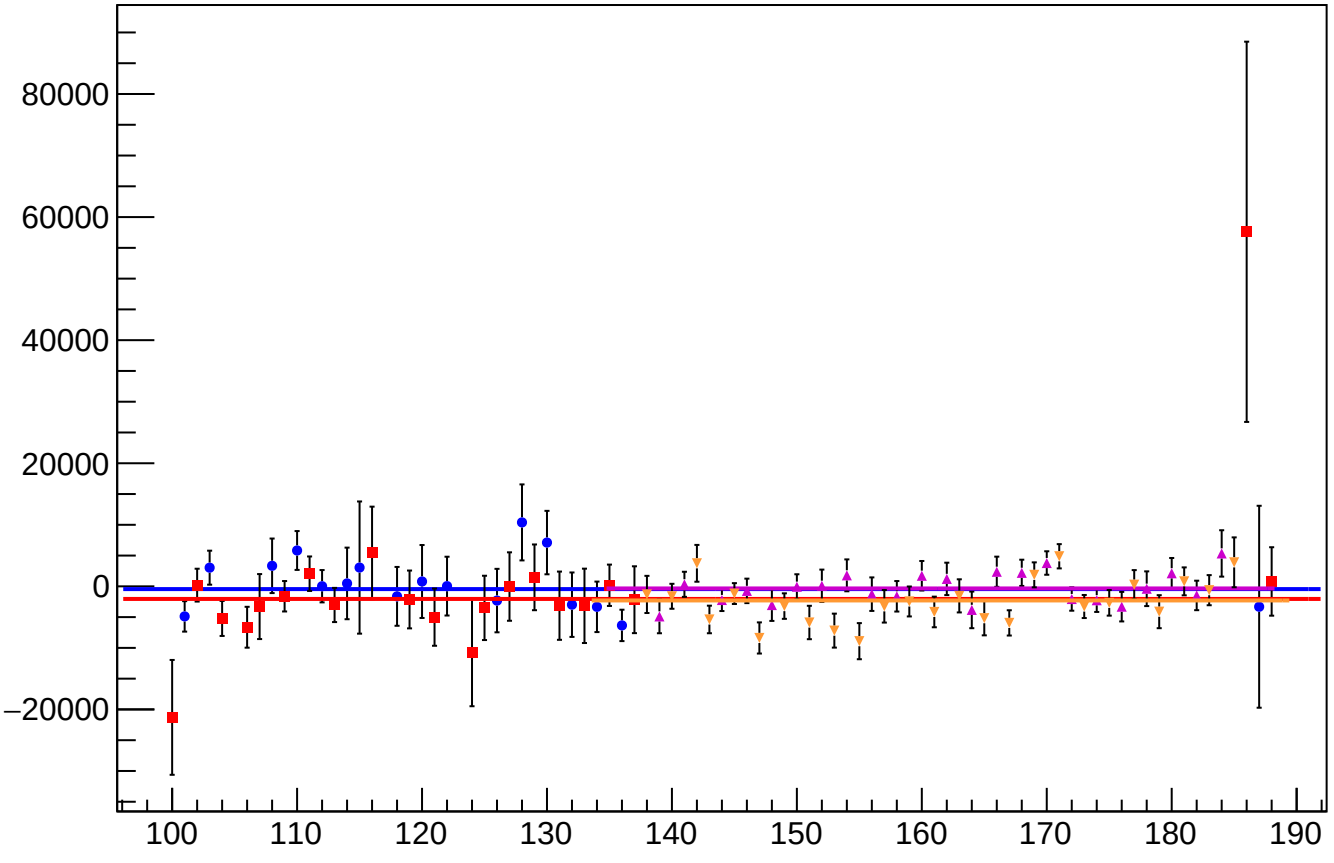
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 286.839+/-0.040 χ^2/NDF: 2318746.4/41

All: 285.377+/-0.028 χ^2/NDF: 5119009.8/85

- sign 283.944+/-0.040 χ^2/NDF: 2797670.3/43

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -446.457+/-953.519 χ^2/NDF: 21.2/16

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2046.730+/-889.129 χ^2/NDF: 18.0/20

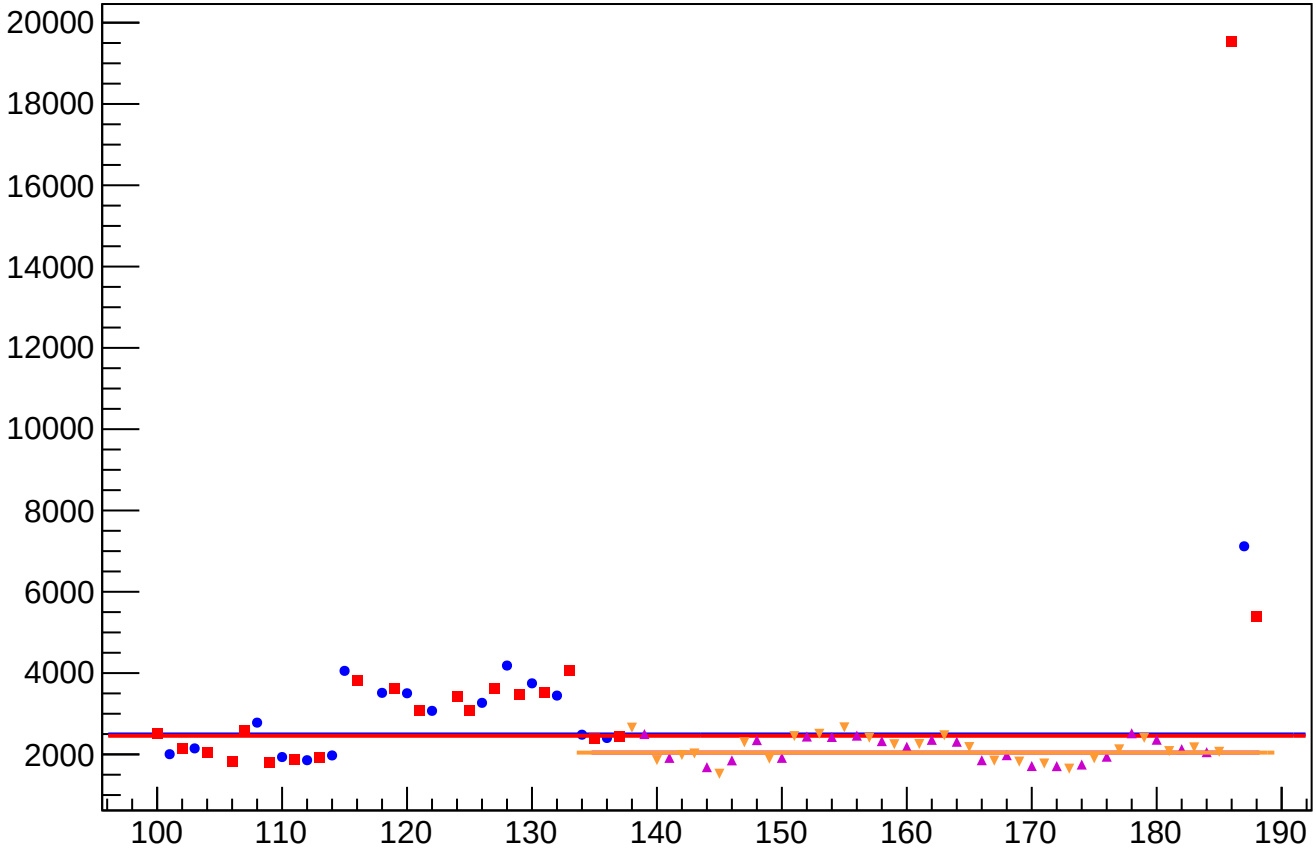
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1929.799+/-421.942 χ^2/NDF: 75.9/41

All: -1334.812+/-299.374 χ^2/NDF: 123.6/85

- sign -731.653+/-424.830 χ^2/NDF: 43.7/43

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2490.308+/-0.674 χ^2/NDF: 1075992.8/16

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2457.909+/-0.629 χ^2/NDF: 2267431.2/20

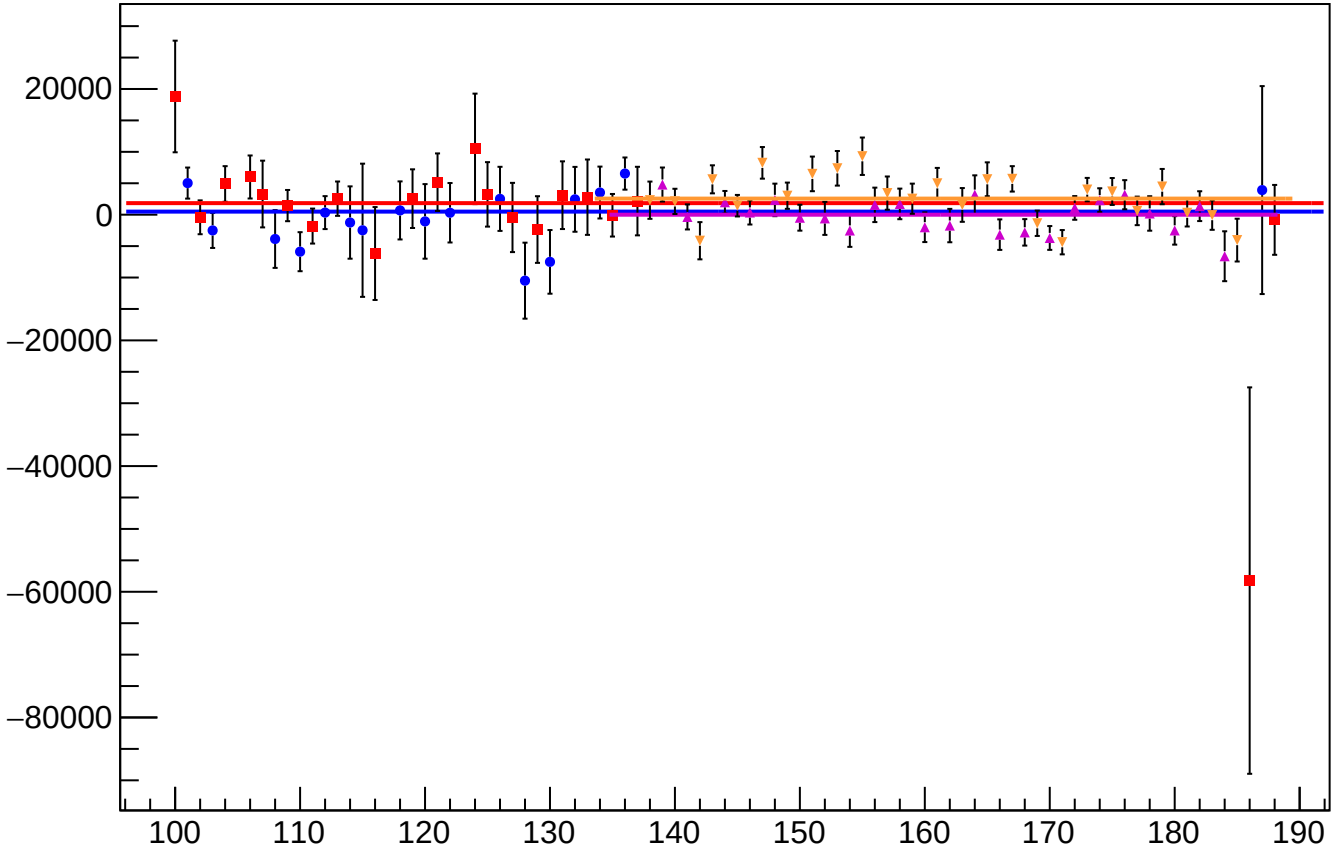
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2131.187+/-0.298 χ^2/NDF: 2282161.5/41

All: 2135.266+/-0.212 χ^2/NDF: 5572763.5/85

- sign 2139.401+/-0.300 χ^2/NDF: 3290225.6/43

asym_sam4_mean vs Slug



Right In: 488.648+/-951.176 χ^2/NDF: 22.2/16

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 1838.325+/-887.778 χ^2/NDF: 16.9/20

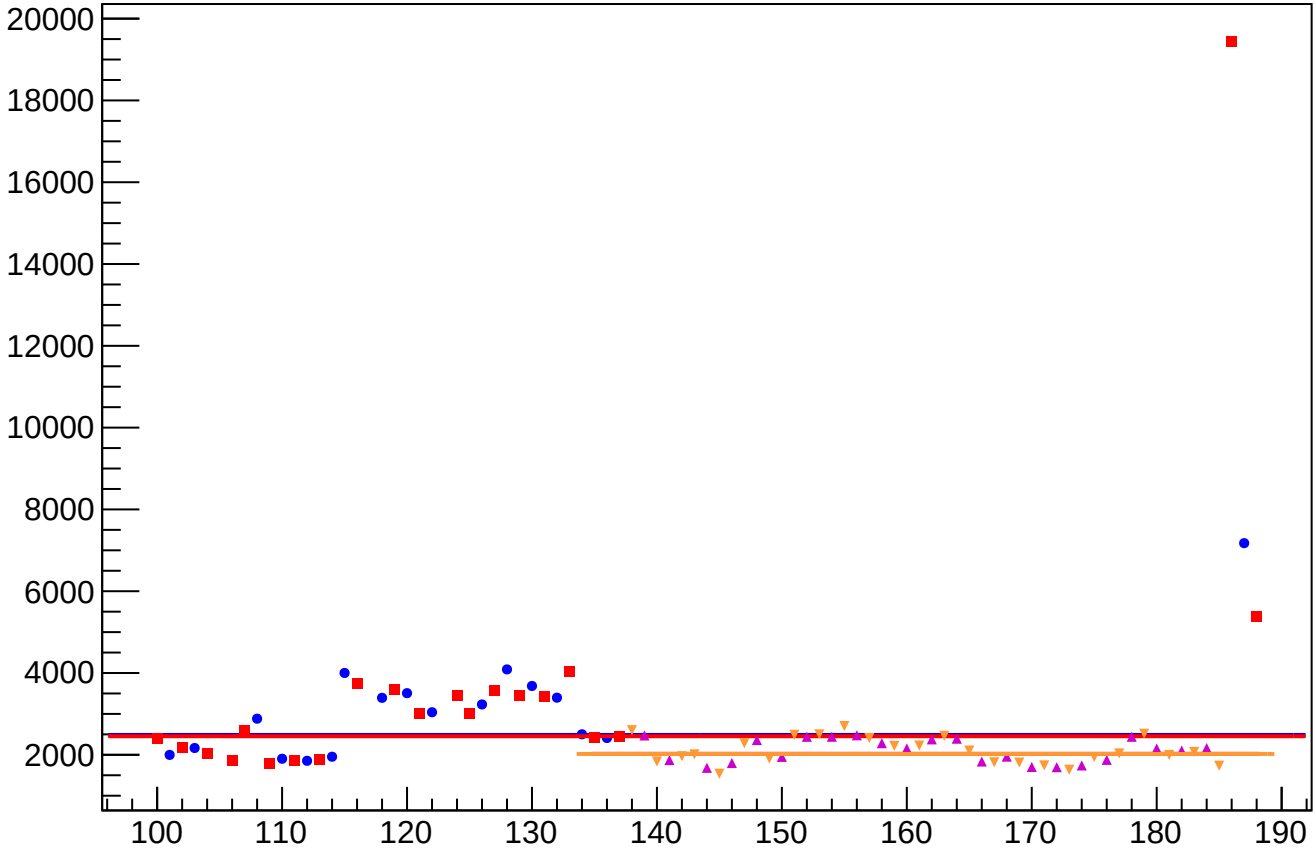
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

\+ sign 2158.374+/-418.436 χ^2/NDF: 78.7/41

All: 1290.561+/-296.859 χ^2/NDF: 132.2/85

\- sign 411.152+/-421.223 χ^2/NDF: 44.9/43

asym_sam4_rms vs Slug



Right In: 2485.194+/-0.673 χ^2/NDF: 1047459.9/16

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

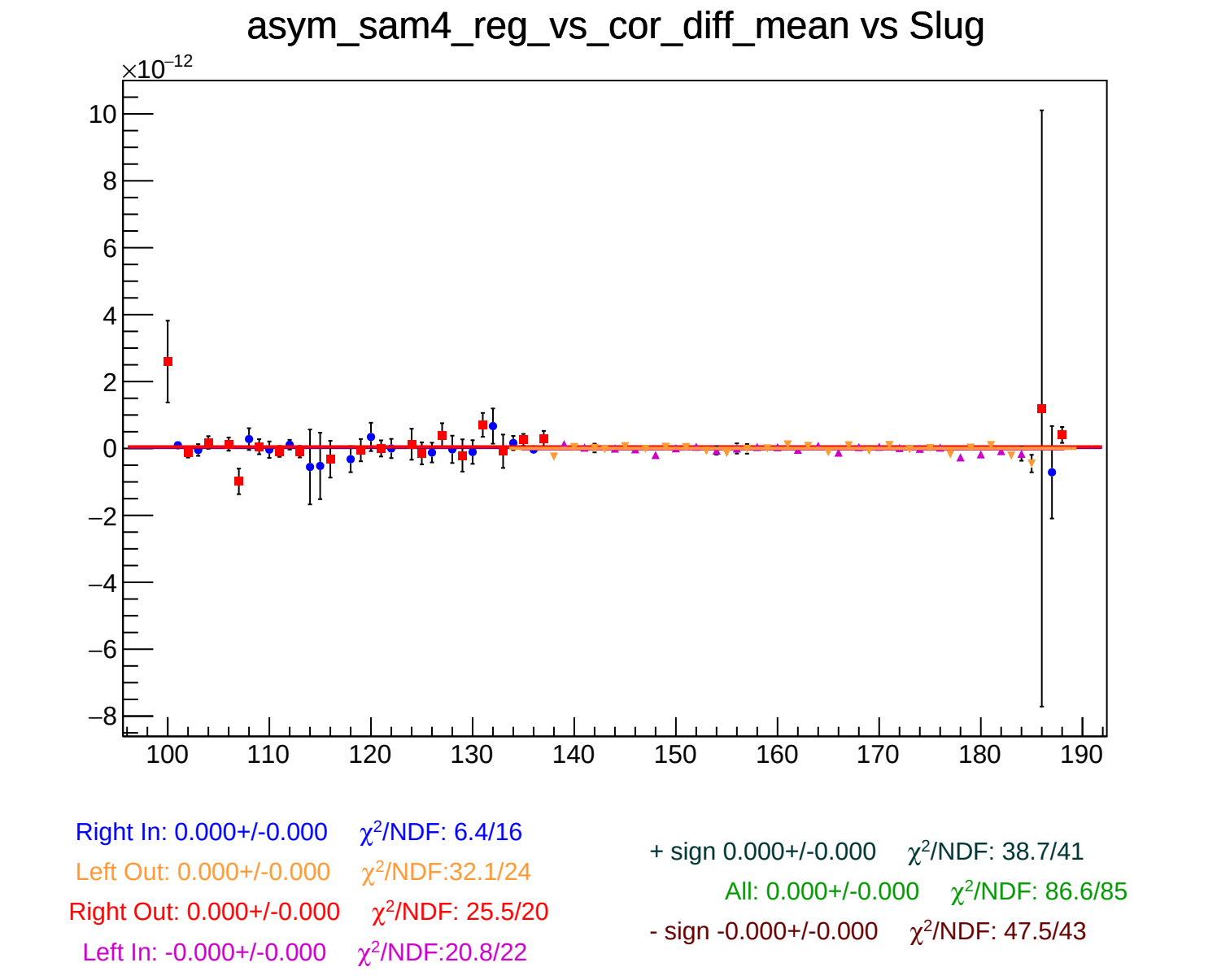
Right Out: 2454.522+/-0.628 χ^2/NDF: 2232821.7/20

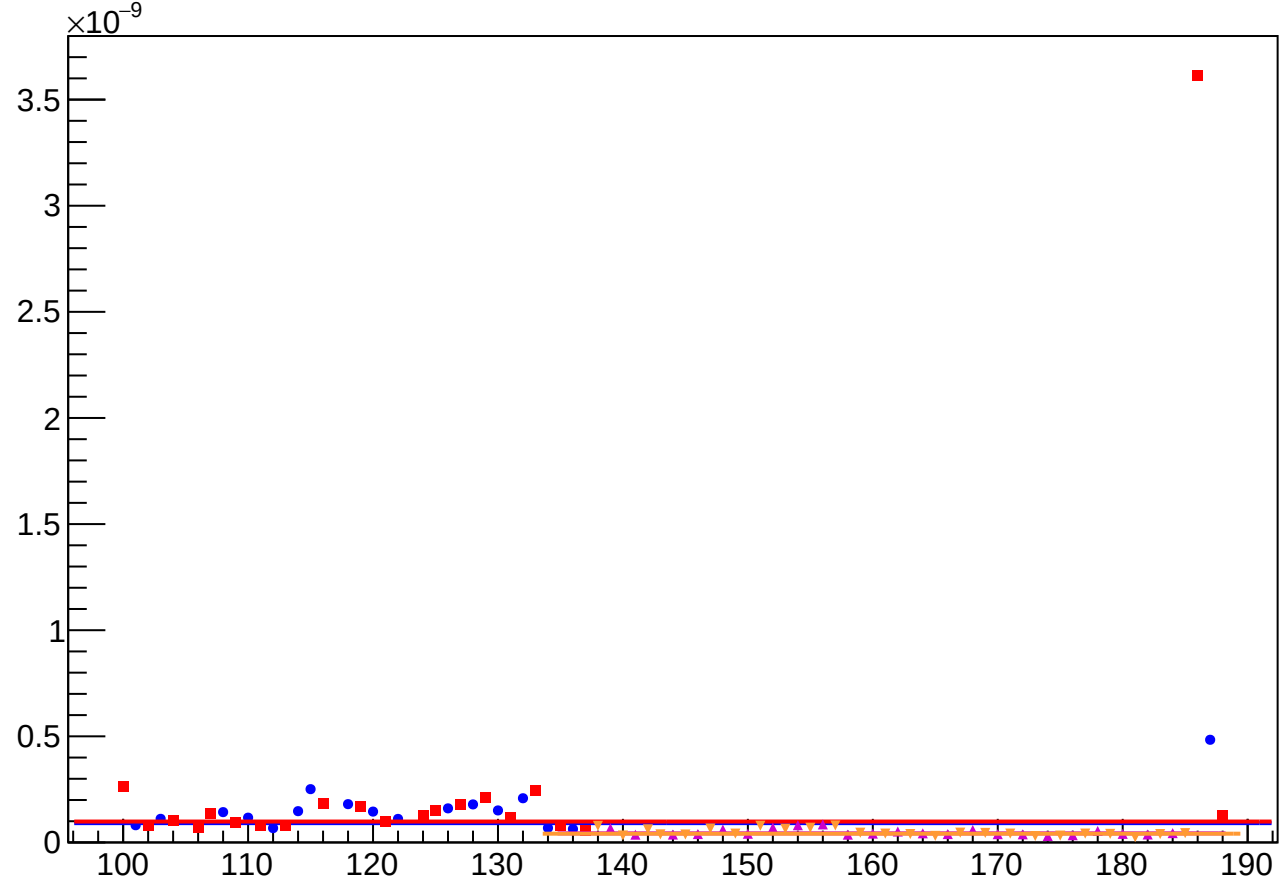
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2111.048+/-0.296 χ^2/NDF: 2312539.0/41

All: 2115.675+/-0.210 χ^2/NDF: 5607579.0/85

- sign 2120.364+/-0.298 χ^2/NDF: 3294547.6/43


asym_sam4_reg_vs_cor_diff_mean vs Slug
×10^−12
10
8
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 6.4/16
Left Out: 0.000+/-0.000 χ²/NDF:32.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.5/20
Left In: -0.000+/-0.000 χ²/NDF:20.8/22
+ sign 0.000+/-0.000 χ²/NDF: 38.7/41
All: 0.000+/-0.000 χ²/NDF: 86.6/85
- sign -0.000+/-0.000 χ²/NDF: 47.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 1088582.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1195241.0/20

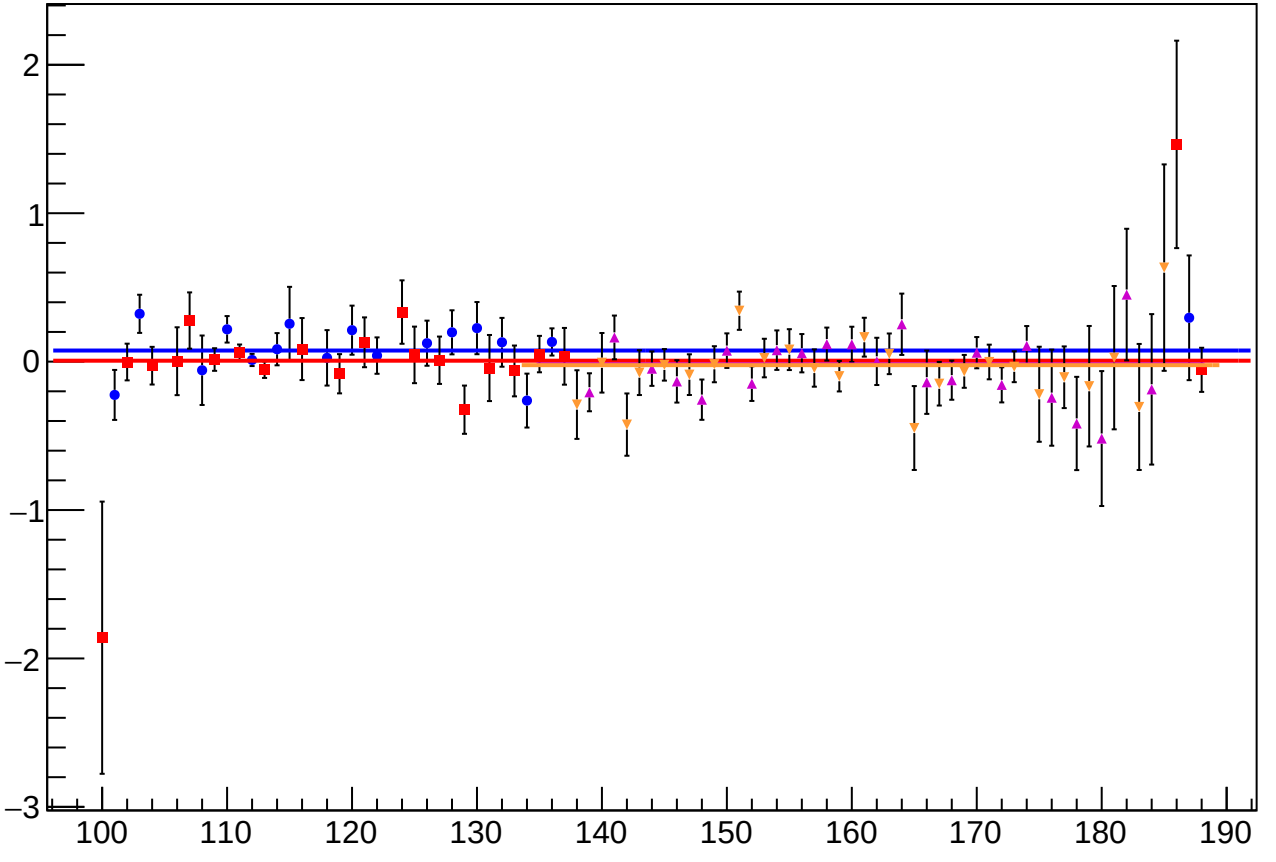
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3966121.9/41

All: 0.000+/-0.000 χ^2/NDF: 8019975.2/85

- sign 0.000+/-0.000 χ^2/NDF: 4030780.6/43

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.006+/-0.026 χ^2/NDF: 20.9/20

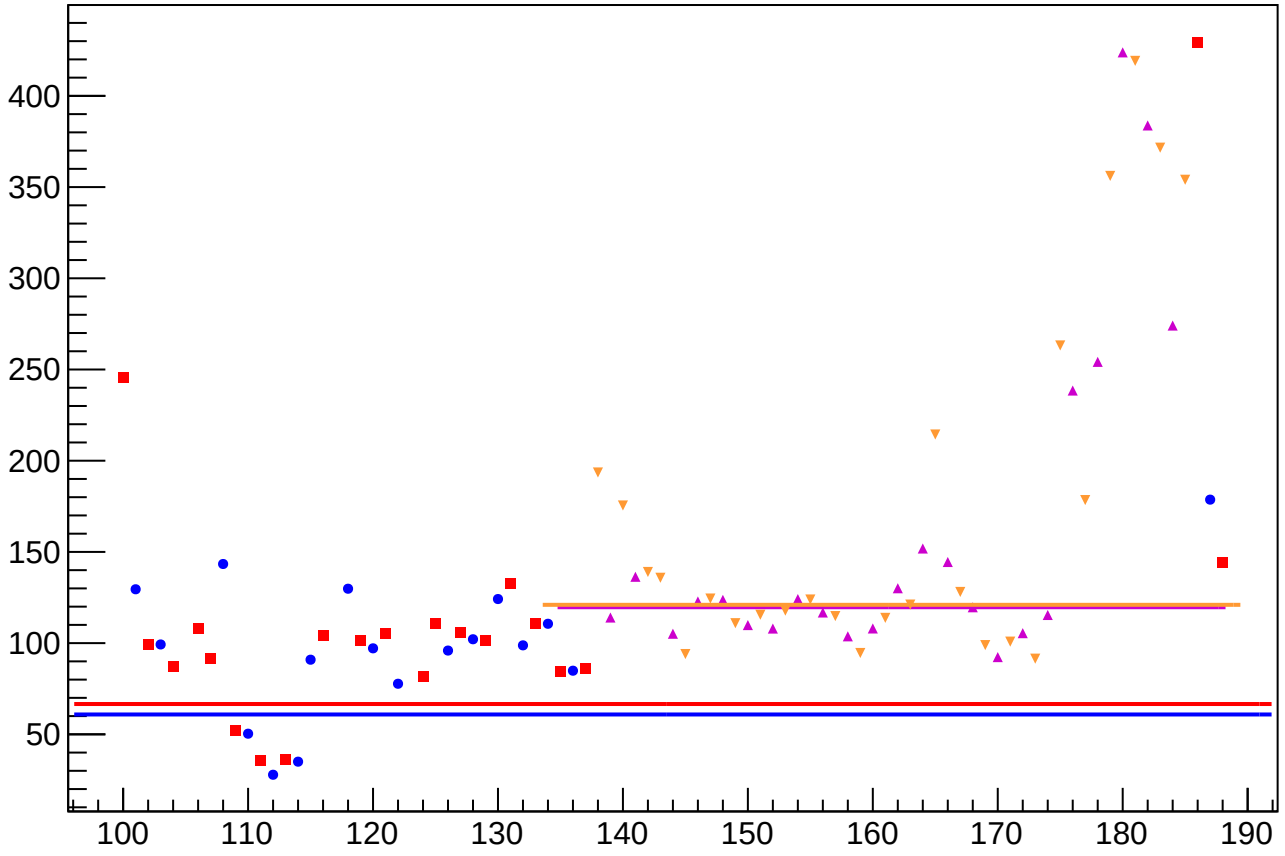
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.4/41

All: 0.013+/-0.014 χ^2/NDF: 93.3/85

- sign -0.005+/-0.020 χ^2/NDF: 44.3/43

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.888+/-0.019 χ^2/NDF: 3695887.6/16

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

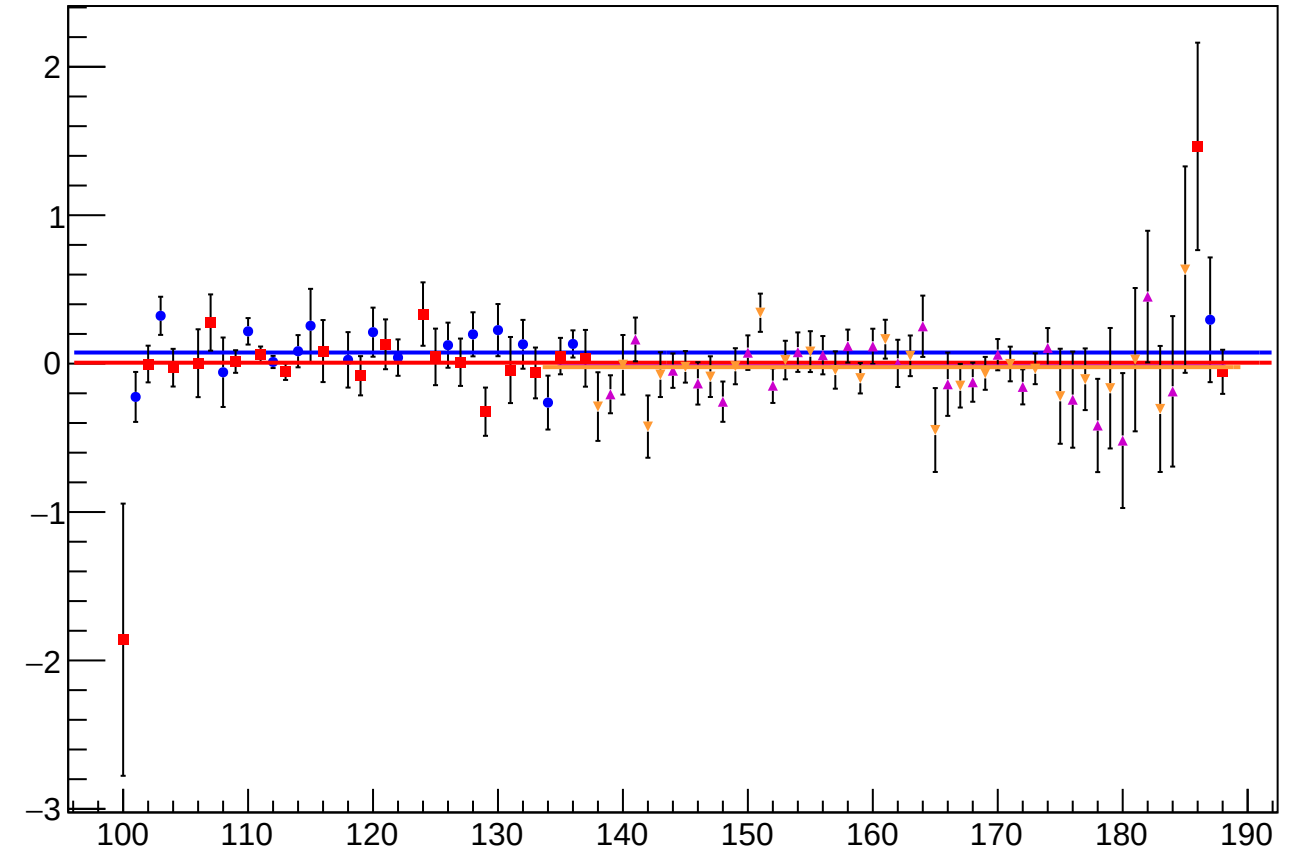
Right Out: 66.620+/-0.019 χ^2/NDF: 3765799.3/20

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 87.837+/-0.014 χ^2/NDF: 12249831.0/41

All: 88.708+/-0.010 χ^2/NDF: 22359201.8/85

- sign 89.567+/-0.014 χ^2/NDF: 10101848.5/43



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.006+/-0.026 χ^2/NDF: 20.9/20

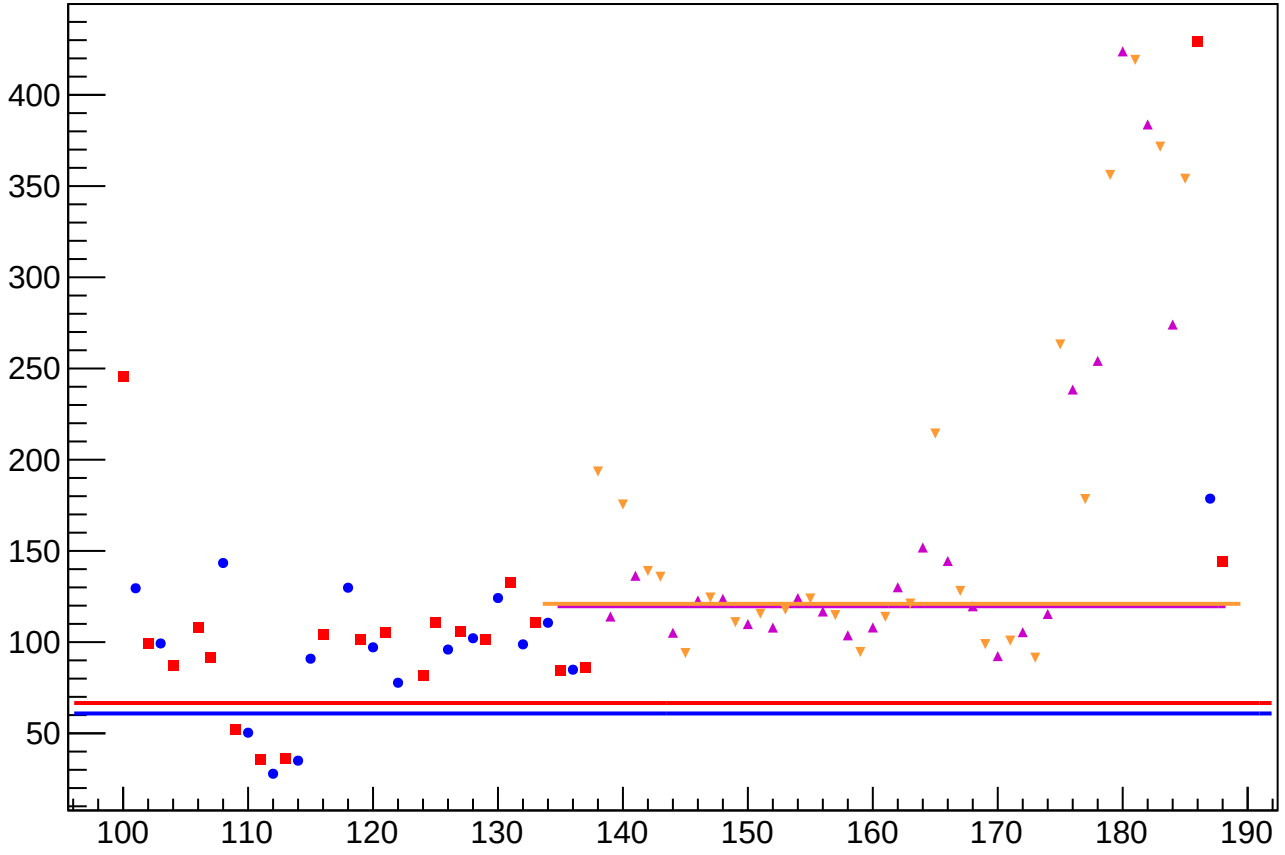
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.4/41

All: 0.013+/-0.014 χ^2/NDF: 93.3/85

- sign -0.005+/-0.020 χ^2/NDF: 44.3/43

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.888+/-0.019 χ^2/NDF: 3695887.6/16

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

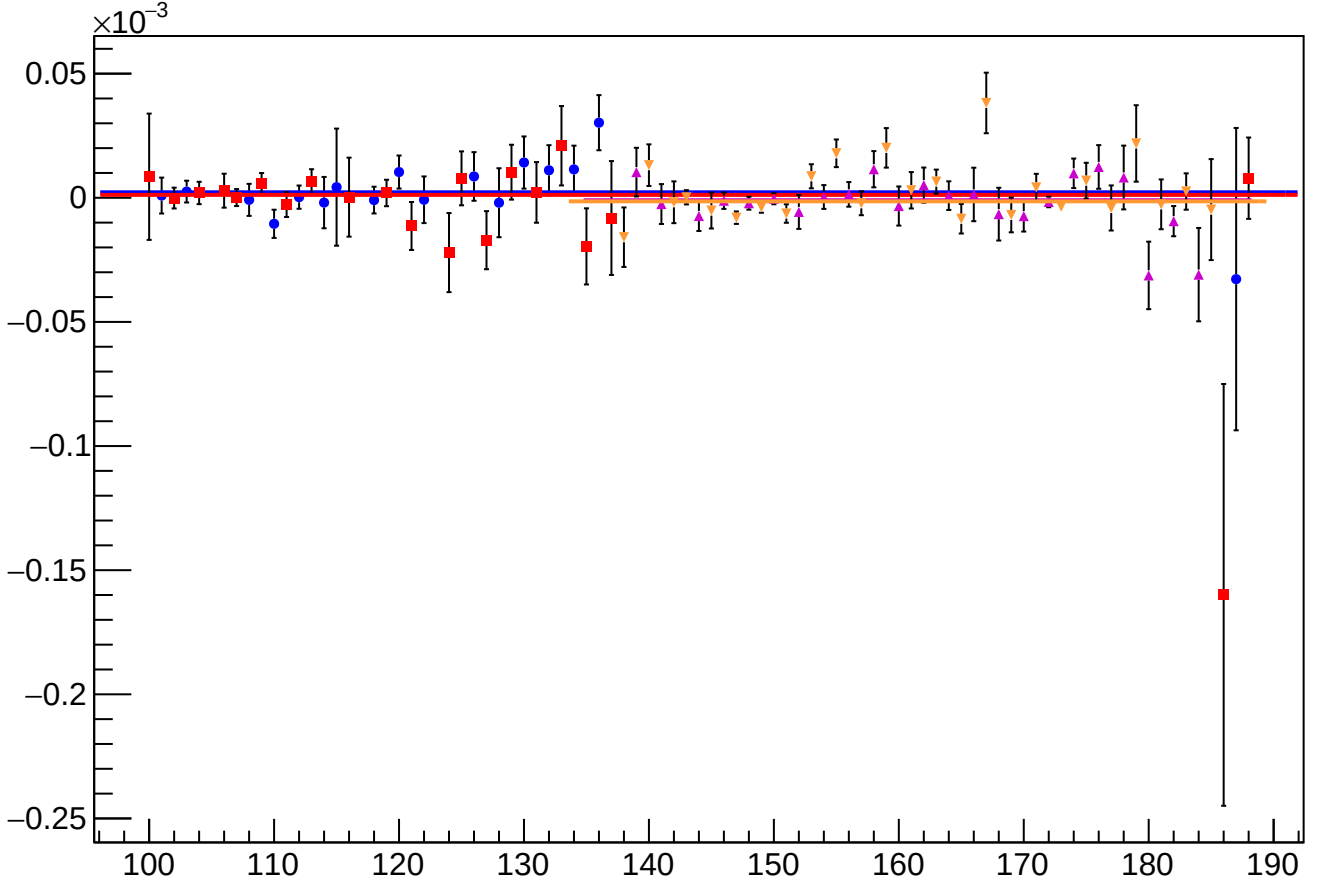
Right Out: 66.620+/-0.019 χ^2/NDF: 3765799.3/20

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 87.837+/-0.014 χ^2/NDF: 12249831.0/41

All: 88.708+/-0.010 χ^2/NDF: 22359201.8/85

- sign 89.567+/-0.014 χ^2/NDF: 10101848.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/20

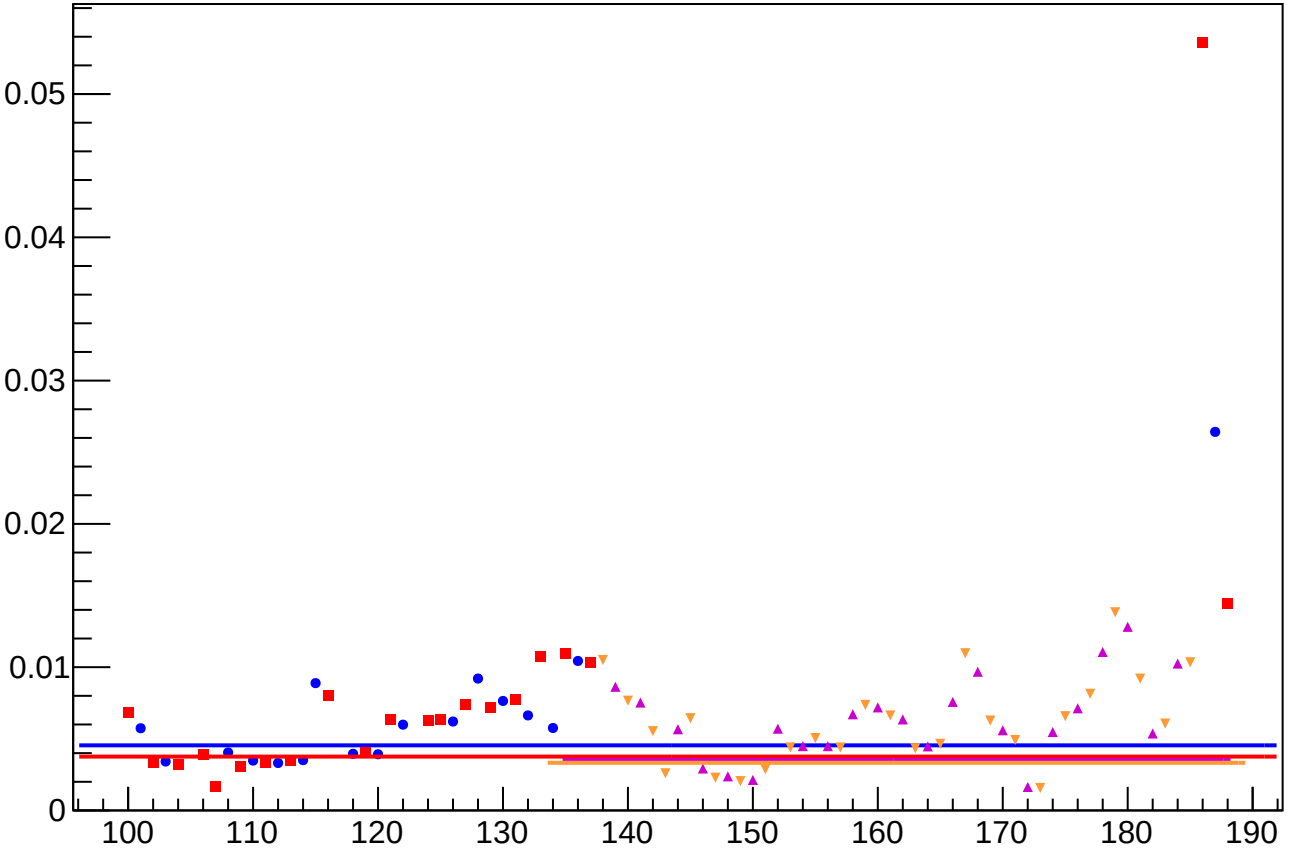
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.5/41

All: -0.000+/-0.000 χ^2/NDF: 125.4/85

- sign -0.000+/-0.000 χ^2/NDF: 43.8/43

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1979731.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 4483626.7/20

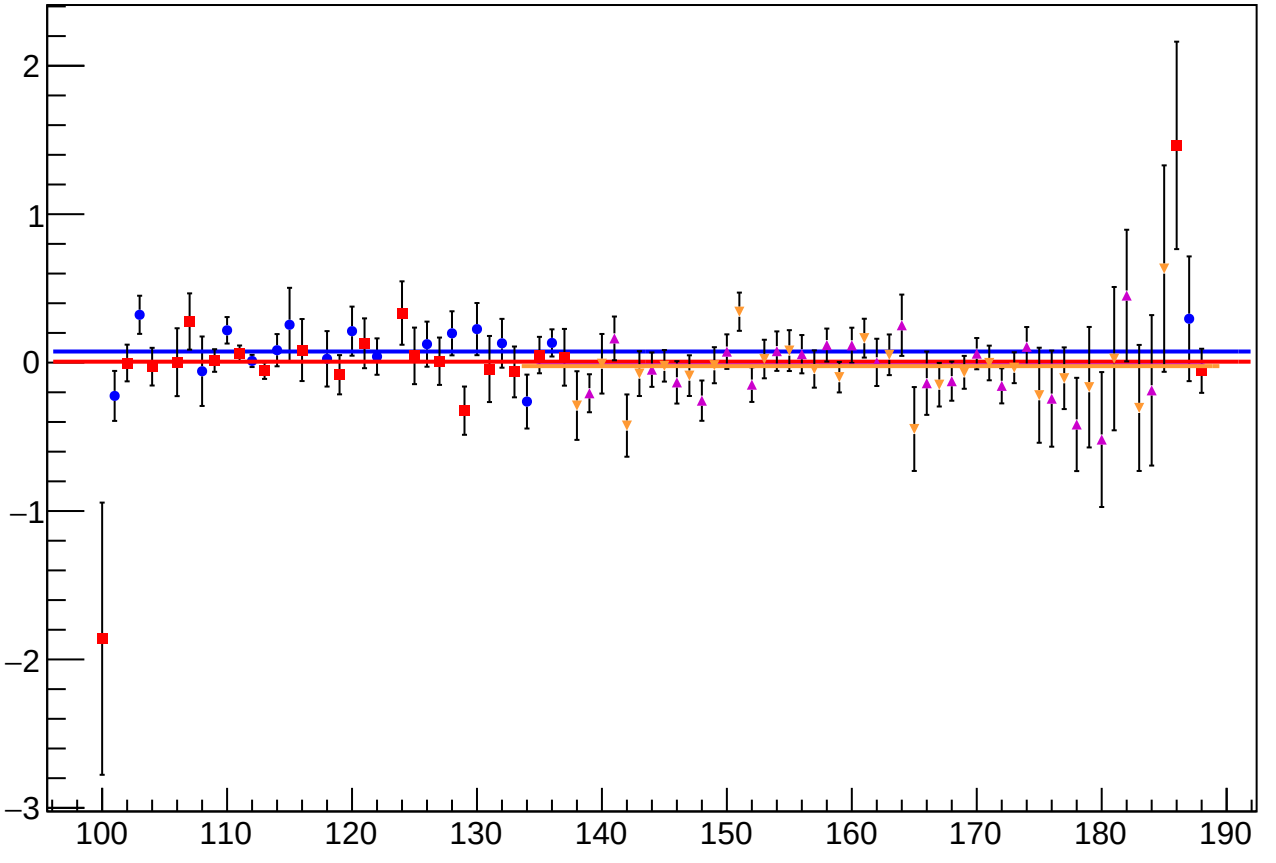
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 13190026.6/41

All: 0.004+/-0.000 χ^2/NDF: 27135922.3/85

- sign 0.004+/-0.000 χ^2/NDF: 13944943.7/43

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.006+/-0.026 χ^2/NDF: 20.9/20

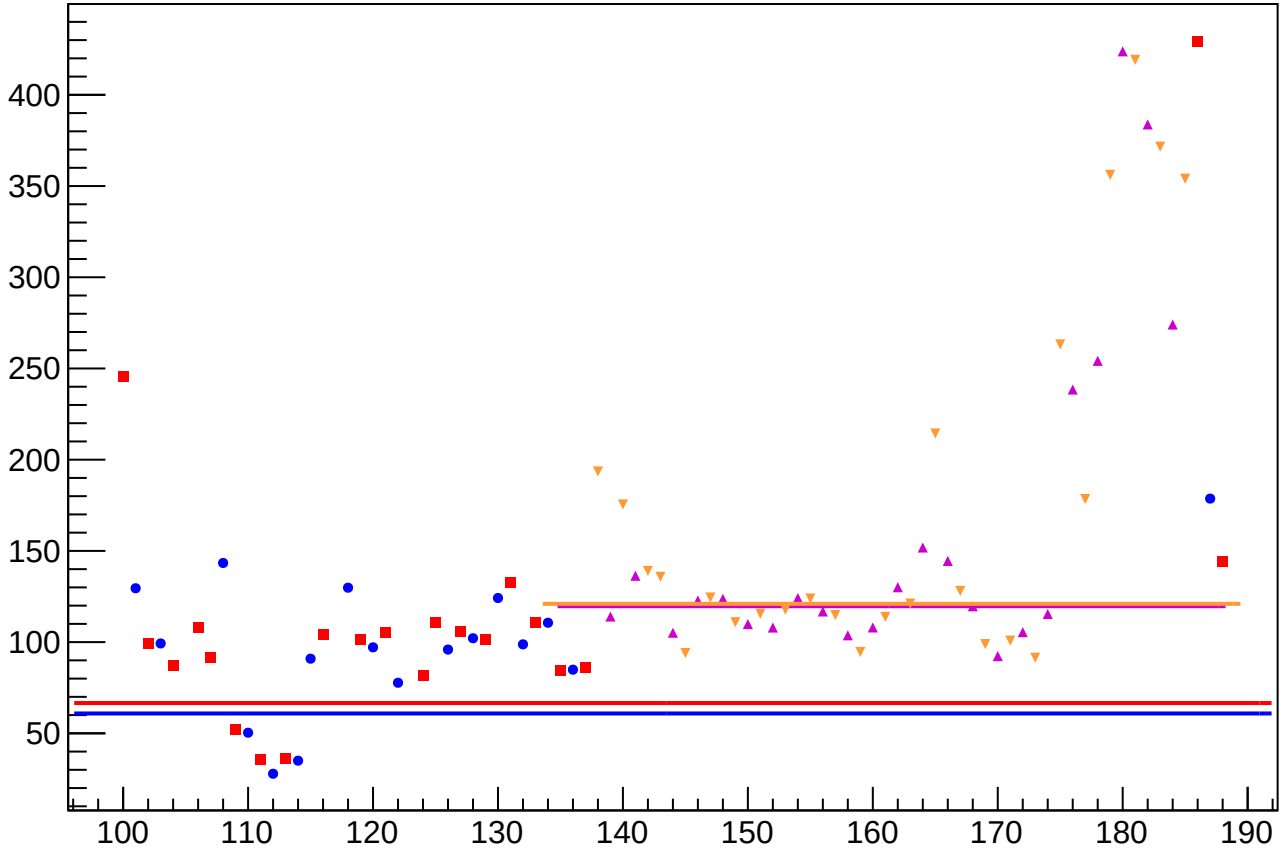
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.4/41

All: 0.013+/-0.014 χ^2/NDF: 93.3/85

- sign -0.005+/-0.020 χ^2/NDF: 44.3/43

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.886+/-0.019 χ^2/NDF: 3696150.5/16

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

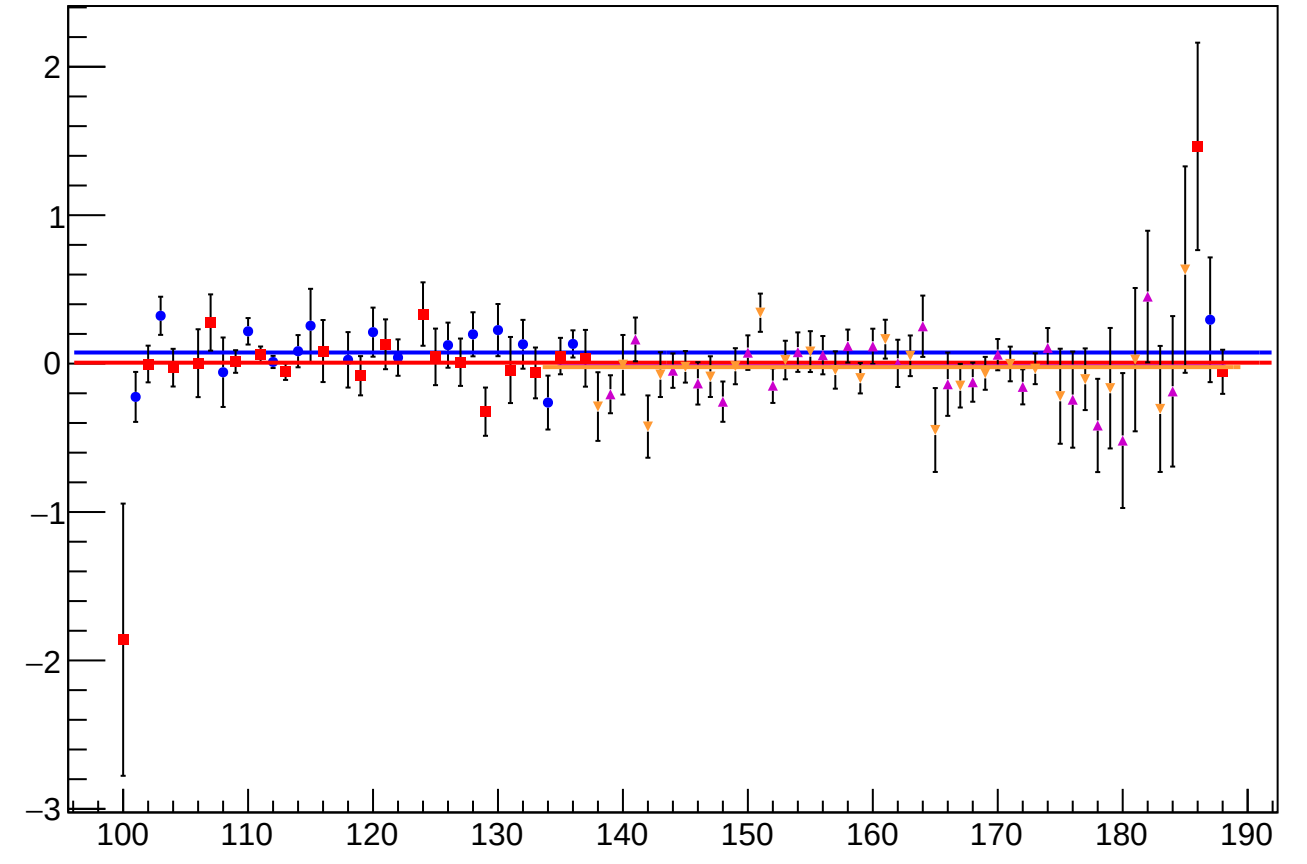
Right Out: 66.618+/-0.019 χ^2/NDF: 3766095.8/20

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 87.835+/-0.014 χ^2/NDF: 12250548.3/41

All: 88.707+/-0.010 χ^2/NDF: 22360544.0/85

- sign 89.566+/-0.014 χ^2/NDF: 10102470.3/43



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

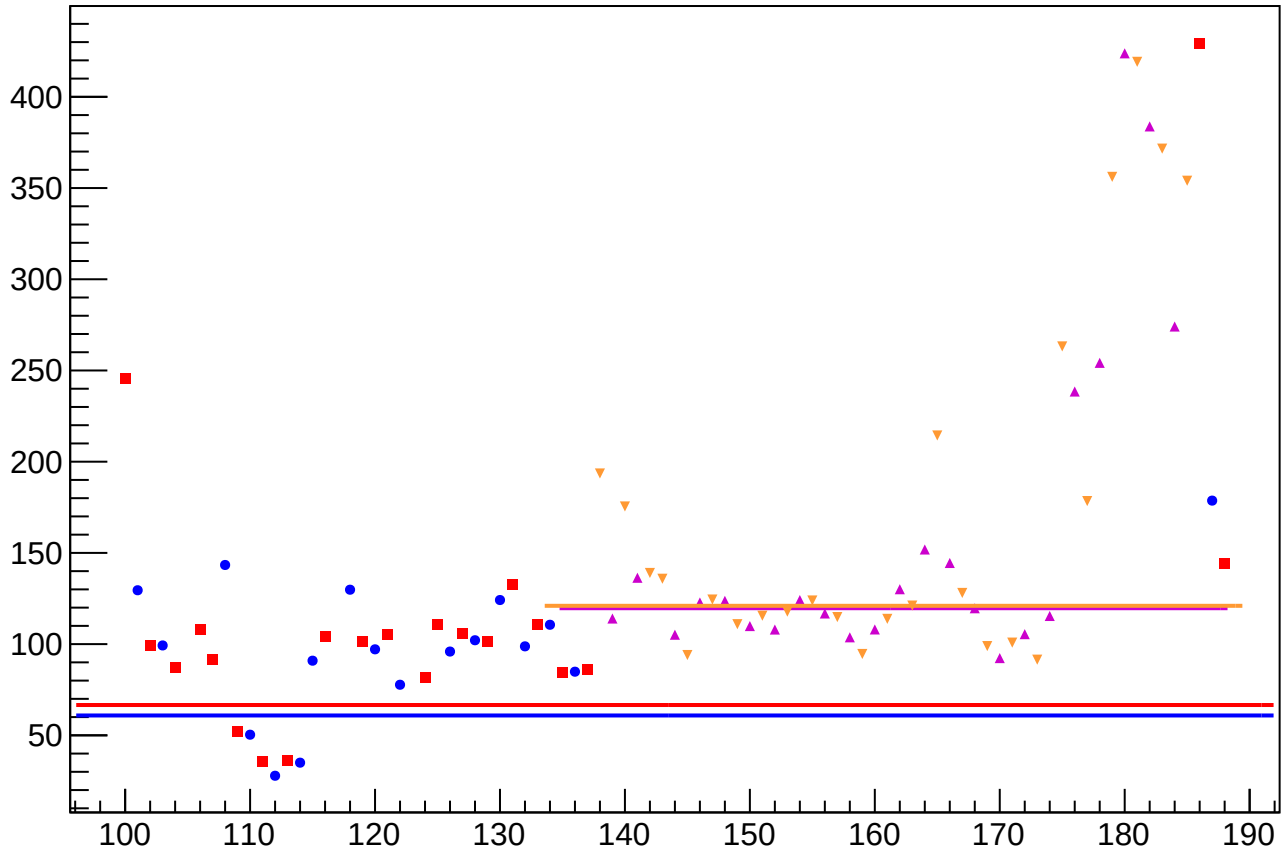
Right Out: 0.006+/-0.026 χ^2/NDF: 20.9/20

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.4/41

All: 0.013+/-0.014 χ^2/NDF: 93.3/85

- sign -0.005+/-0.020 χ^2/NDF: 44.3/43



Right In: 60.886+/-0.019 χ^2/NDF: 3696150.5/16

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 66.618+/-0.019 χ^2/NDF: 3766095.8/20

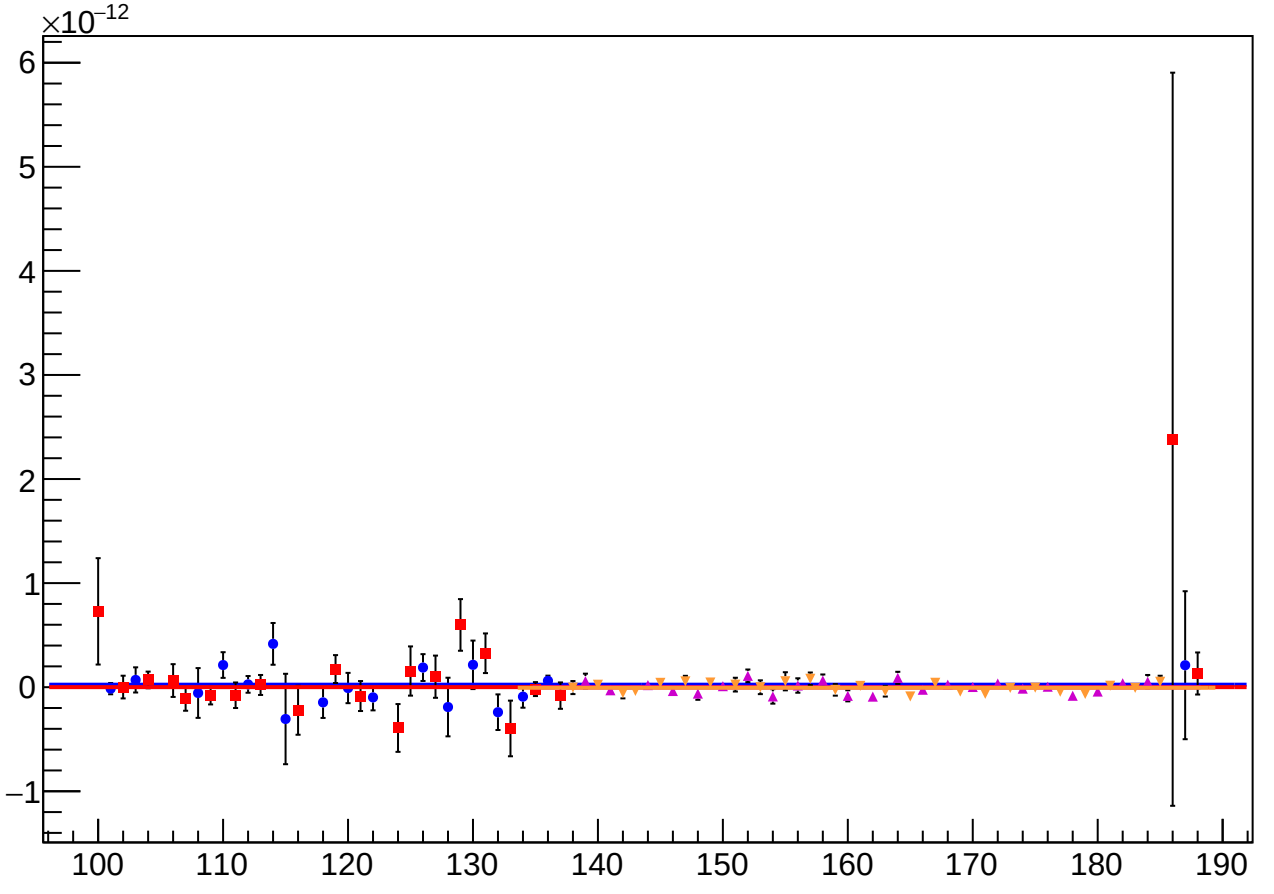
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 87.835+/-0.014 χ^2/NDF: 12250548.3/41

All: 88.707+/-0.010 χ^2/NDF: 22360544.0/85

- sign 89.566+/-0.014 χ^2/NDF: 10102470.3/43

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

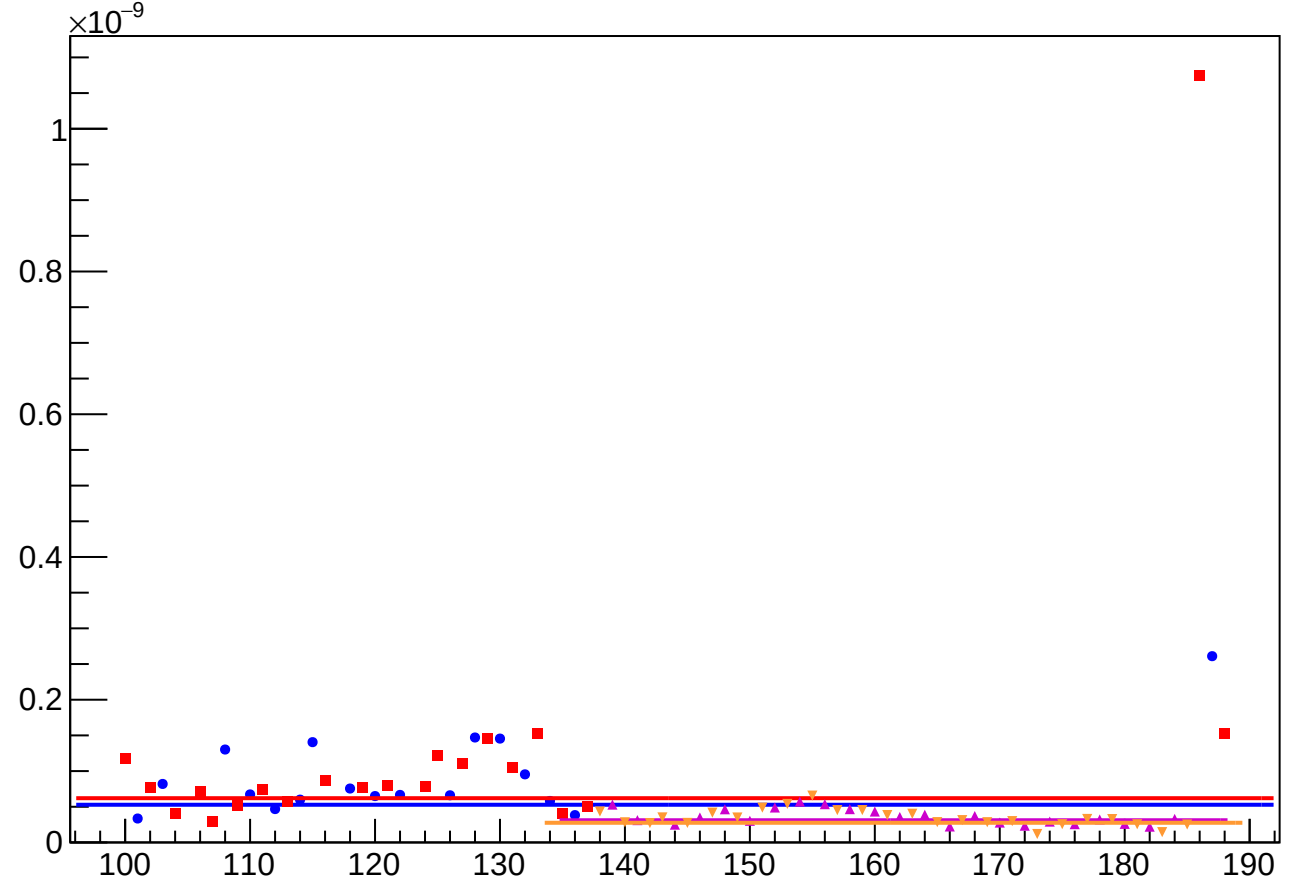
Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/20

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.3/41

All: -0.000+/-0.000 χ^2/NDF: 91.9/85

- sign -0.000+/-0.000 χ^2/NDF: 51.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 1820939.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2114073.3/20

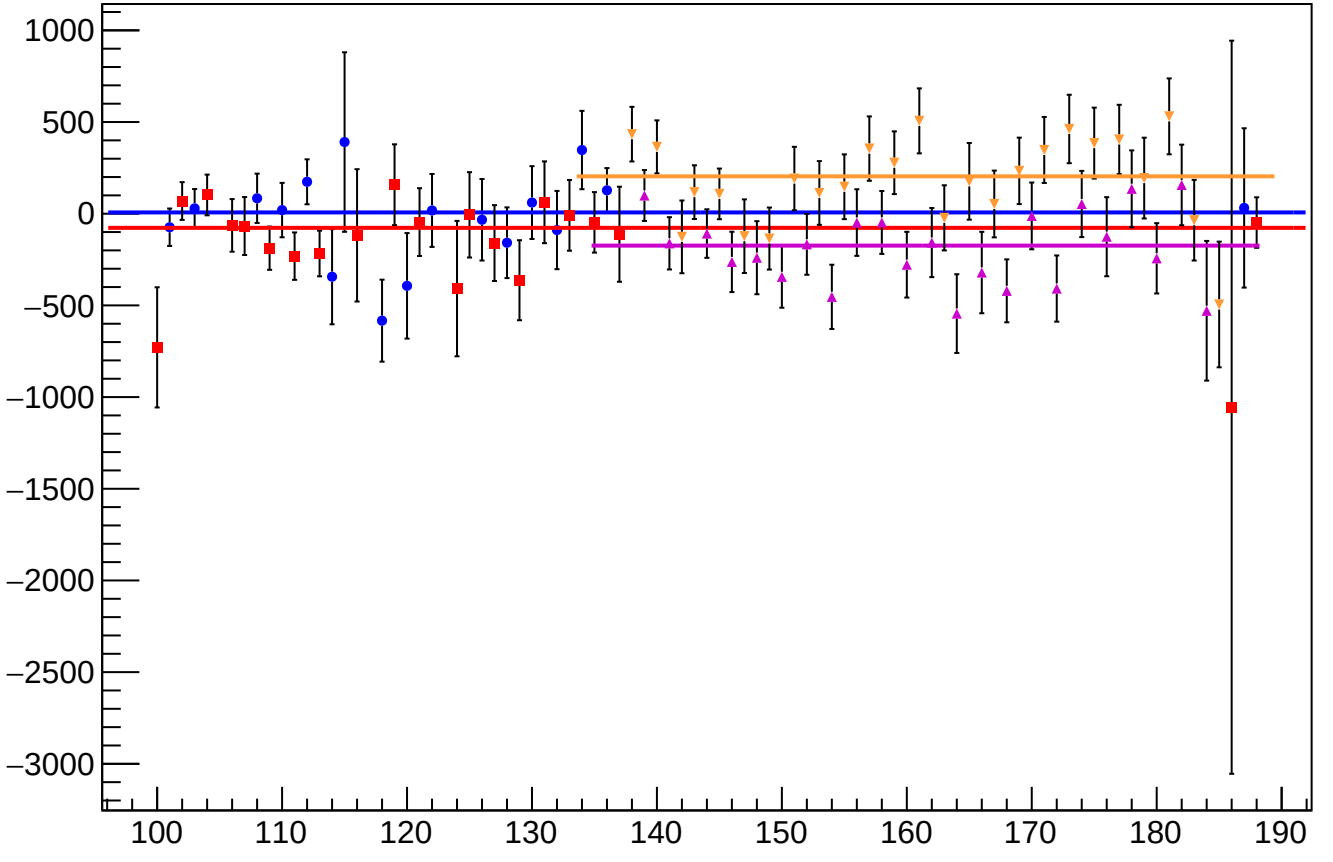
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7212003.9/41

All: 0.000+/-0.000 χ^2/NDF: 13650668.1/85

- sign 0.000+/-0.000 χ^2/NDF: 6184504.7/43

reg_asym_sam5_mean vs Slug



Right In: 7.022+/-40.180 χ^2/NDF: 18.8/16

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -77.053+/-36.541 χ^2/NDF: 17.0/20

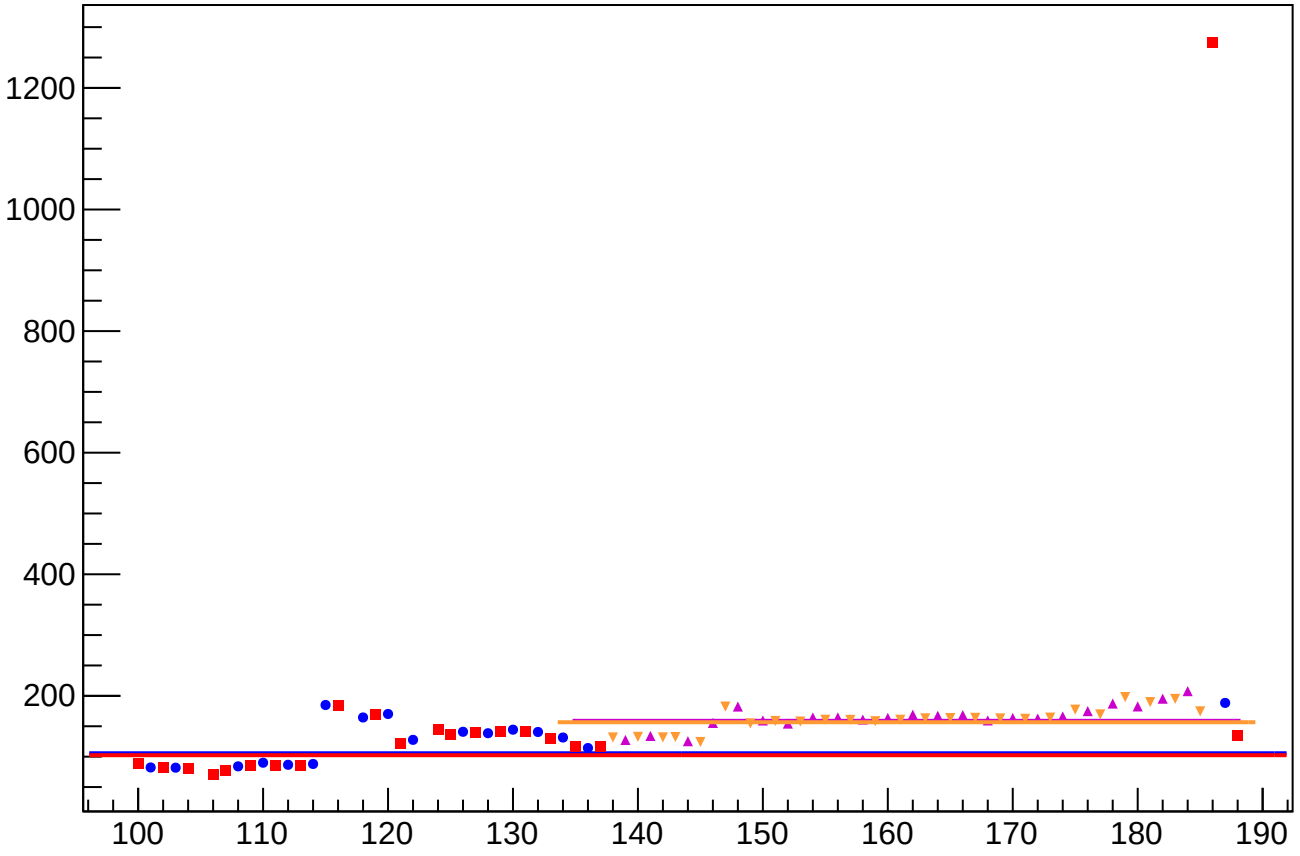
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 116.484+/-26.762 χ^2/NDF: 65.0/41

All: -6.785+/-18.699 χ^2/NDF: 151.4/85

- sign -124.381+/-26.139 χ^2/NDF: 44.9/43

reg_asym_sam5_rms vs Slug



Right In: 105.575+/-0.028 χ^2/NDF: 1004587.1/16

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 102.385+/-0.026 χ^2/NDF: 1849248.6/20

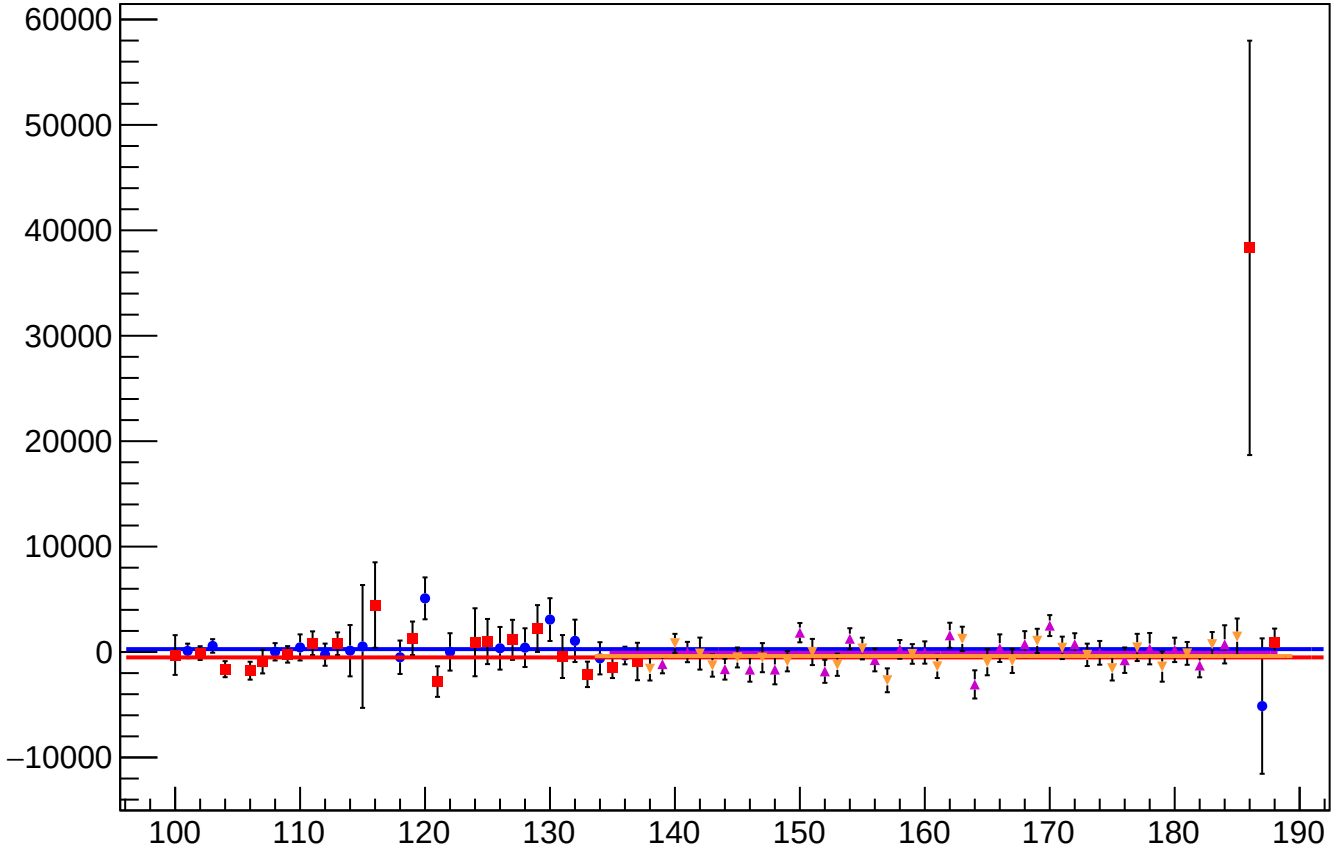
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 133.985+/-0.019 χ^2/NDF: 3384229.3/41

All: 131.950+/-0.013 χ^2/NDF: 8107754.0/85

- sign 130.008+/-0.018 χ^2/NDF: 4700911.7/43

asym_sam5_reg_correction_mean vs Slug



Right In: 275.636+/-293.168 χ^2/NDF: 10.4/16

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

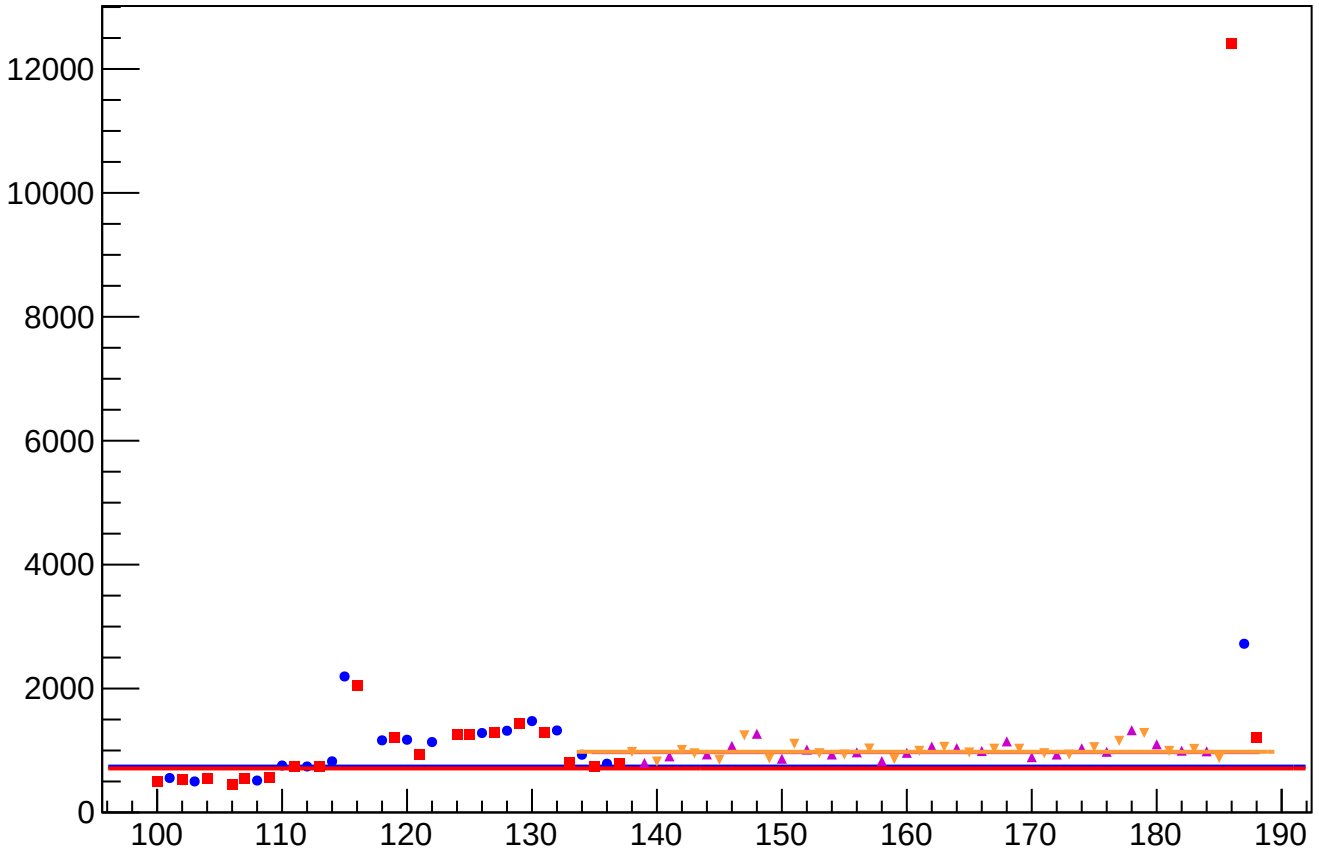
Right Out: -510.446+/-264.023 χ^2/NDF: 24.0/20

Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -138.009+/-178.268 χ^2/NDF: 32.3/41

All: -201.929+/-124.273 χ^2/NDF: 91.1/85

- sign -262.360+/-173.333 χ^2/NDF: 58.6/43



Right In: 740.223+/-0.207 χ^2/NDF: 2035446.0/16

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 710.431+/-0.187 χ^2/NDF: 2849992.7/20

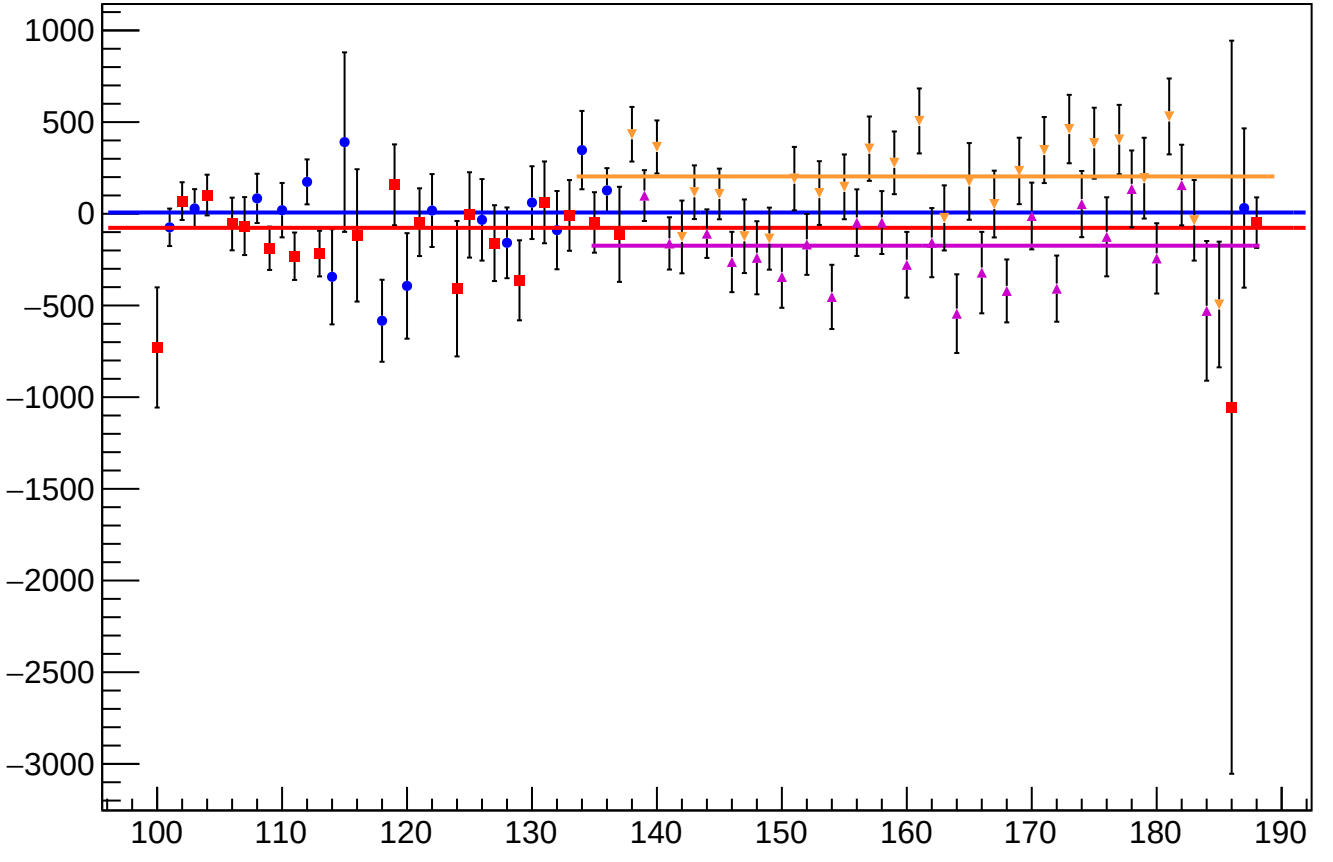
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 890.781+/-0.126 χ^2/NDF: 3302186.1/41

All: 875.111+/-0.088 χ^2/NDF: 7813365.1/85

- sign 860.297+/-0.123 χ^2/NDF: 4481118.2/43

cor_asym_sam5_mean vs Slug



Right In: 7.010+/-40.180 χ^2/NDF: 18.8/16

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -76.554+/-36.544 χ^2/NDF: 17.0/20

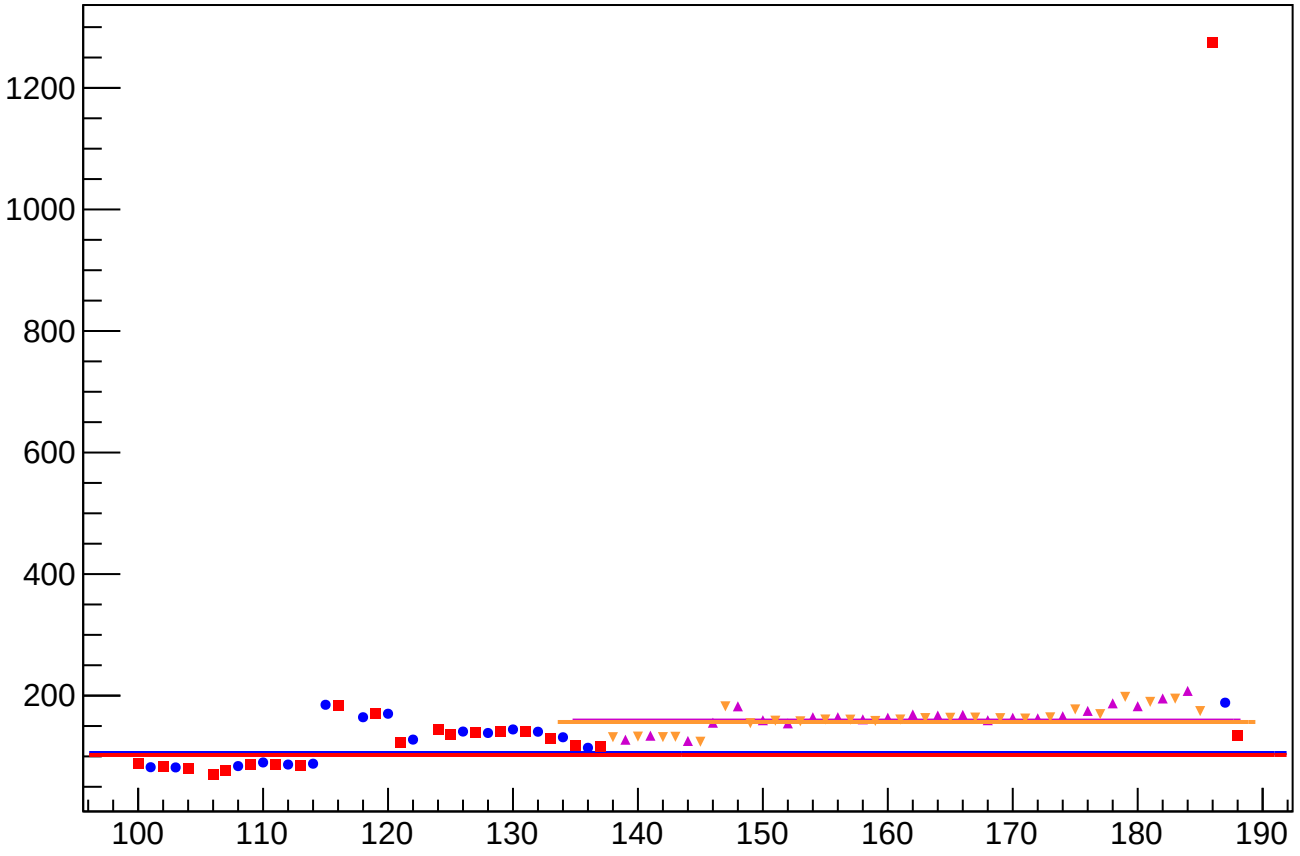
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.482+/-26.762 χ^2/NDF: 65.0/41

All: -6.654+/-18.699 χ^2/NDF: 151.3/85

- sign -124.131+/-26.140 χ^2/NDF: 45.0/43

cor_asym_sam5_rms vs Slug



Right In: 105.575+/-0.028 χ^2/NDF: 1004586.4/16

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 102.364+/-0.026 χ^2/NDF: 1851625.3/20

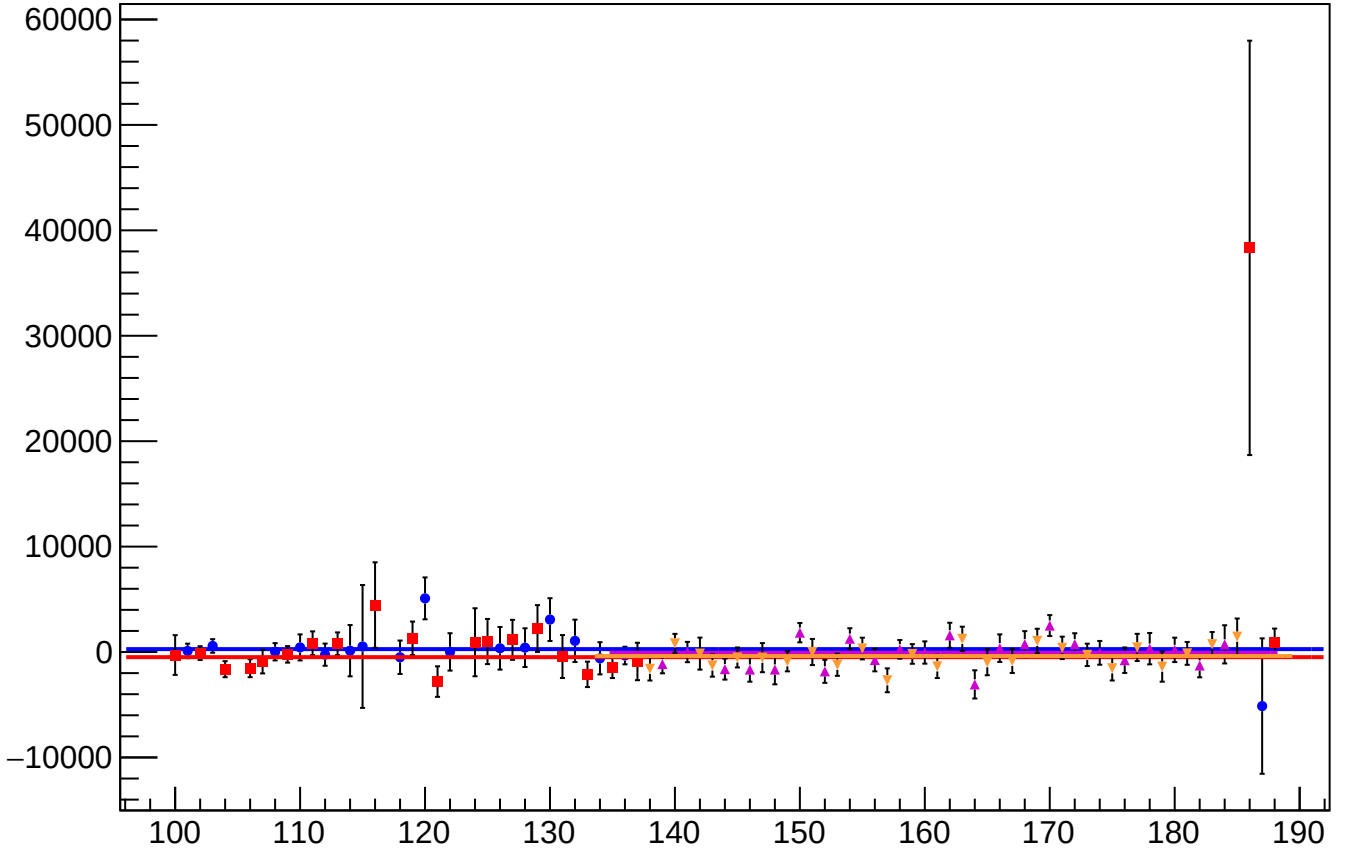
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 133.985+/-0.019 χ^2/NDF: 3384227.4/41

All: 131.945+/-0.013 χ^2/NDF: 8111889.7/85

- sign 129.998+/-0.018 χ^2/NDF: 4704944.0/43

asym_sam5_cor_correction_mean vs Slug



Right In: 275.639+/-293.168 χ^2/NDF: 10.4/16

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -485.665+/-264.190 χ^2/NDF: 23.2/20

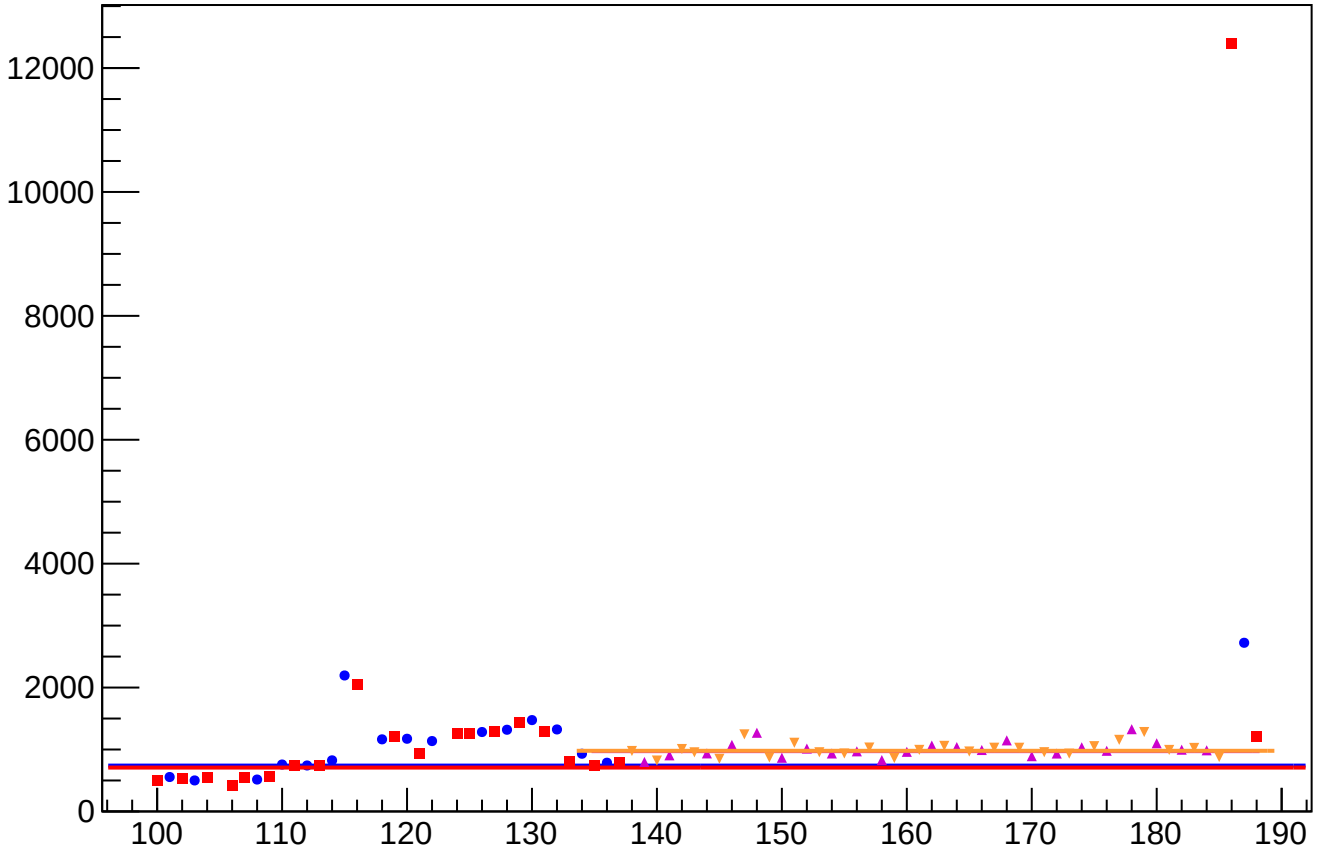
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

\+ sign -138.000+/-178.268 χ^2/NDF: 32.3/41

All: -196.353+/-124.291 χ^2/NDF: 90.2/85

\- sign -251.551+/-173.381 χ^2/NDF: 57.7/43

asym_sam5_cor_correction_rms vs Slug



Right In: 740.222+/-0.207 χ^2/NDF: 2035448.0/16

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 708.424+/-0.187 χ^2/NDF: 2884045.9/20

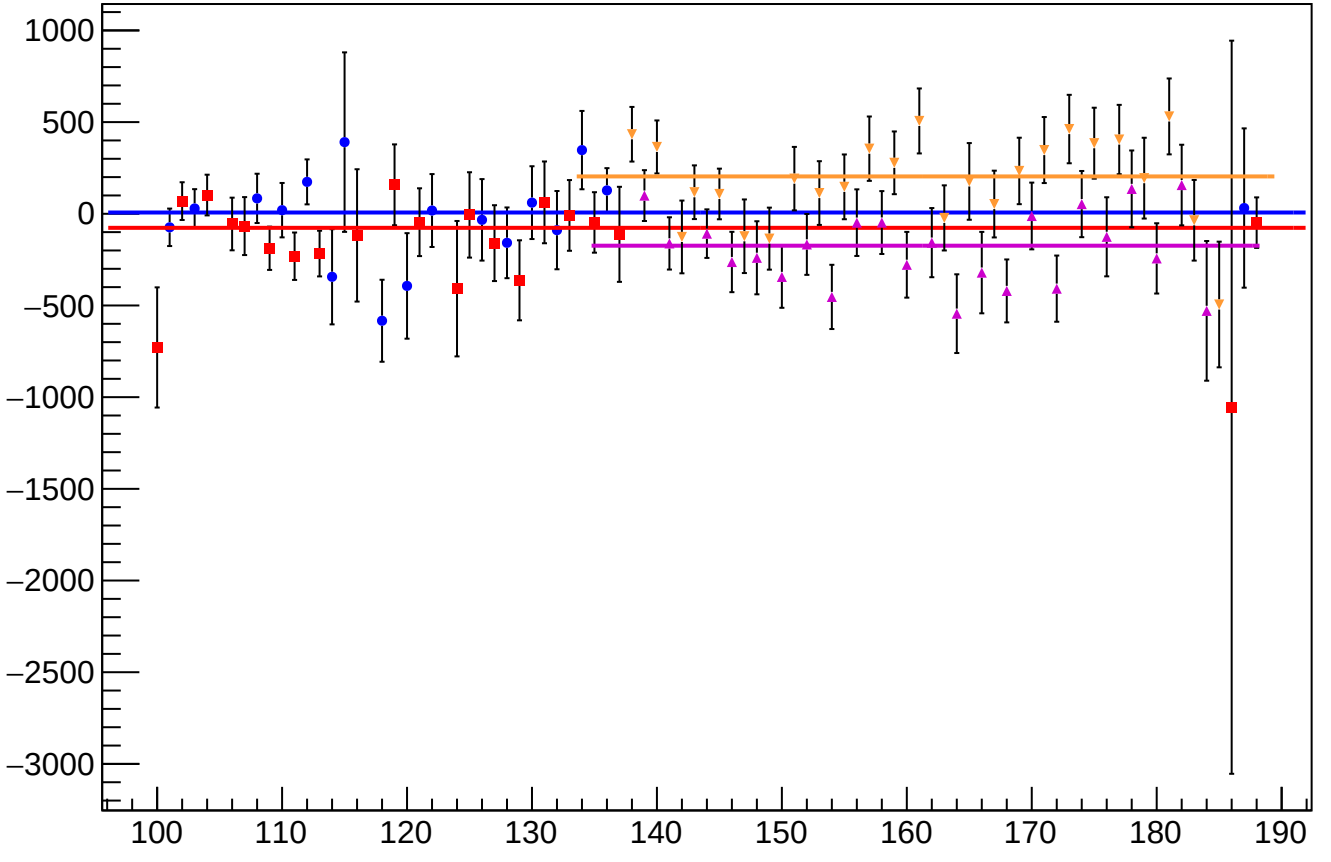
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 890.781+/-0.126 χ^2/NDF: 3302193.1/41

All: 874.713+/-0.088 χ^2/NDF: 7865478.9/85

- sign 859.515+/-0.123 χ^2/NDF: 4531670.2/43

eigen_cor_asym_sam5_mean vs Slug



Right In: 7.010+/-40.180 χ^2/NDF: 18.8/16

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -76.554+/-36.544 χ^2/NDF: 17.0/20

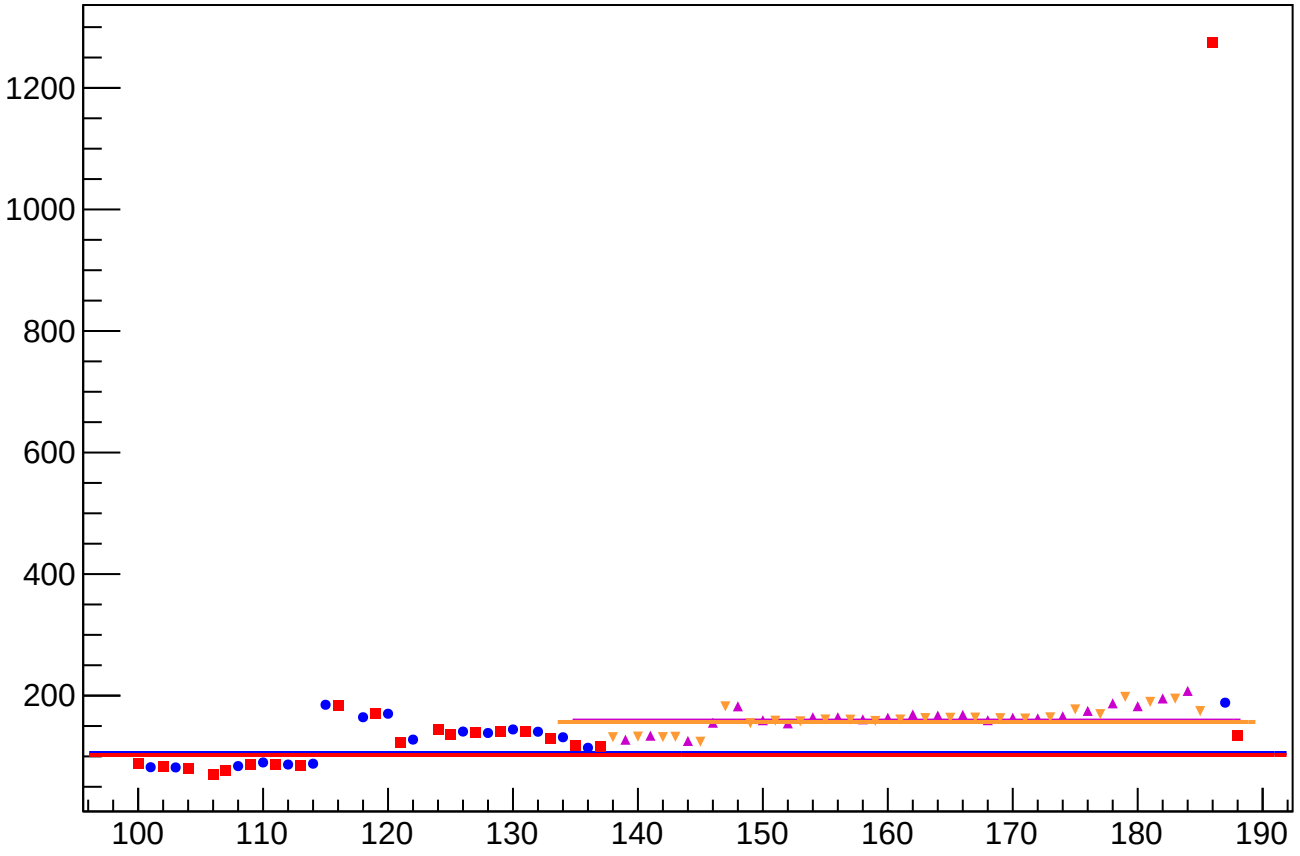
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.482+/-26.762 χ^2/NDF: 65.0/41

All: -6.654+/-18.699 χ^2/NDF: 151.3/85

- sign -124.131+/-26.140 χ^2/NDF: 45.0/43

eigen_cor_asym_sam5_rms vs Slug



Right In: 105.575+/-0.028 χ^2/NDF: 1004586.4/16

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 102.364+/-0.026 χ^2/NDF: 1851625.3/20

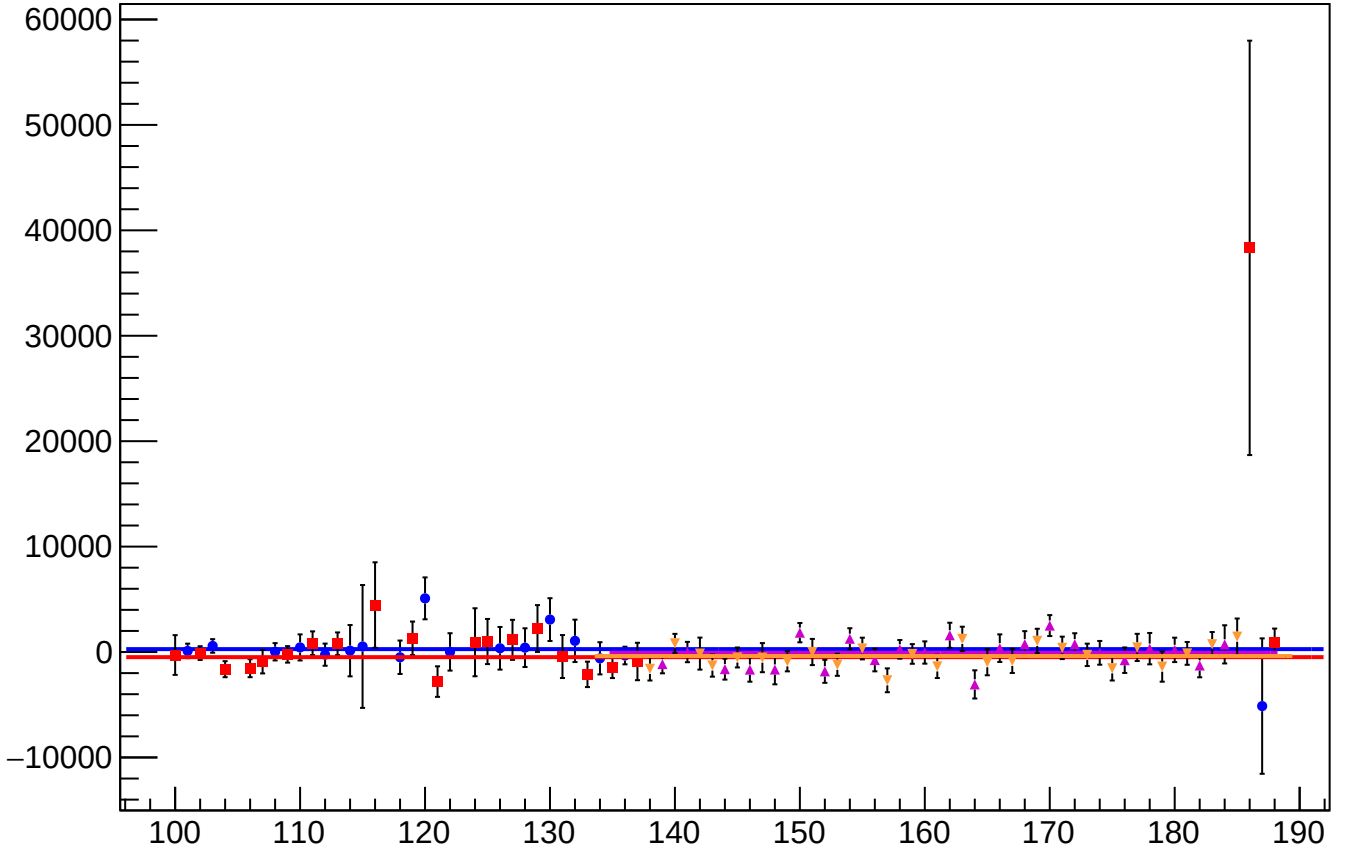
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 133.985+/-0.019 χ^2/NDF: 3384227.4/41

All: 131.945+/-0.013 χ^2/NDF: 8111889.7/85

- sign 129.998+/-0.018 χ^2/NDF: 4704944.0/43

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 275.639+/-293.168 χ^2/NDF: 10.4/16

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -485.665+/-264.190 χ^2/NDF: 23.2/20

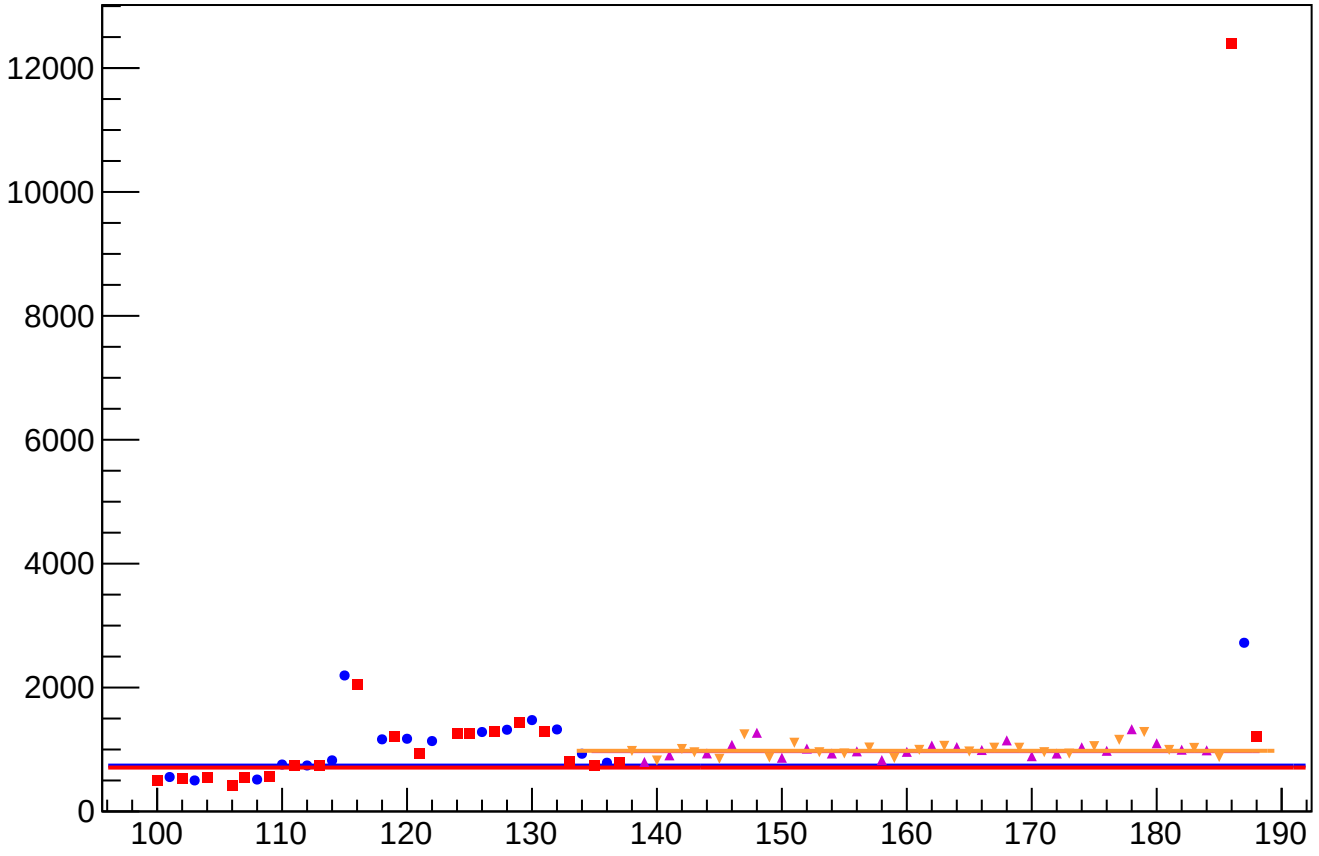
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -138.000+/-178.268 χ^2/NDF: 32.3/41

All: -196.353+/-124.291 χ^2/NDF: 90.2/85

- sign -251.551+/-173.381 χ^2/NDF: 57.7/43

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 740.222+/-0.207 χ^2/NDF: 2035448.0/16

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 708.424+/-0.187 χ^2/NDF: 2884045.9/20

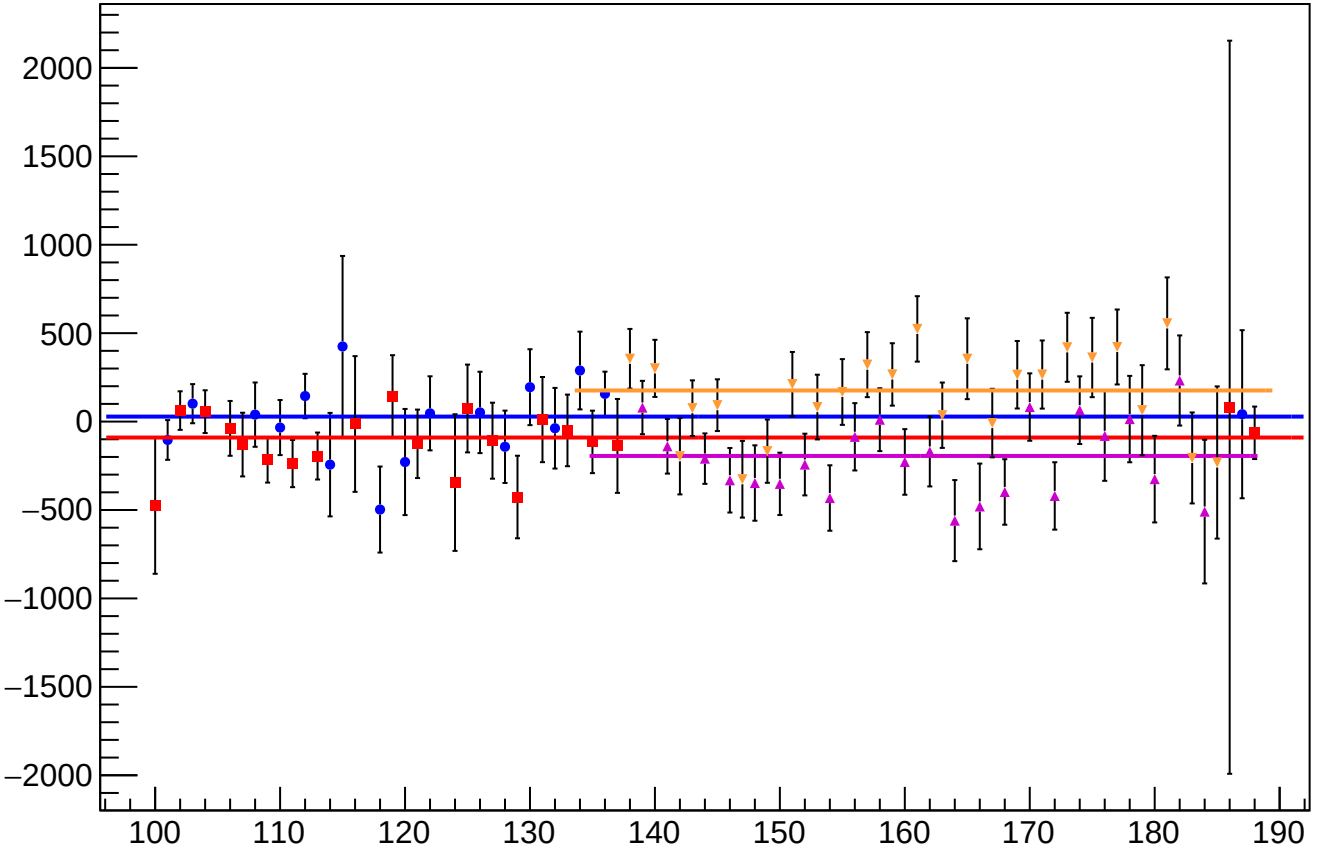
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 890.781+/-0.126 χ^2/NDF: 3302193.1/41

All: 874.713+/-0.088 χ^2/NDF: 7865478.9/85

- sign 859.515+/-0.123 χ^2/NDF: 4531670.2/43

dit_asym_sam5_mean vs Slug



Right In: 28.206+/-43.258 χ^2/NDF: 13.6/16

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -90.191+/-39.098 χ^2/NDF: 11.7/20

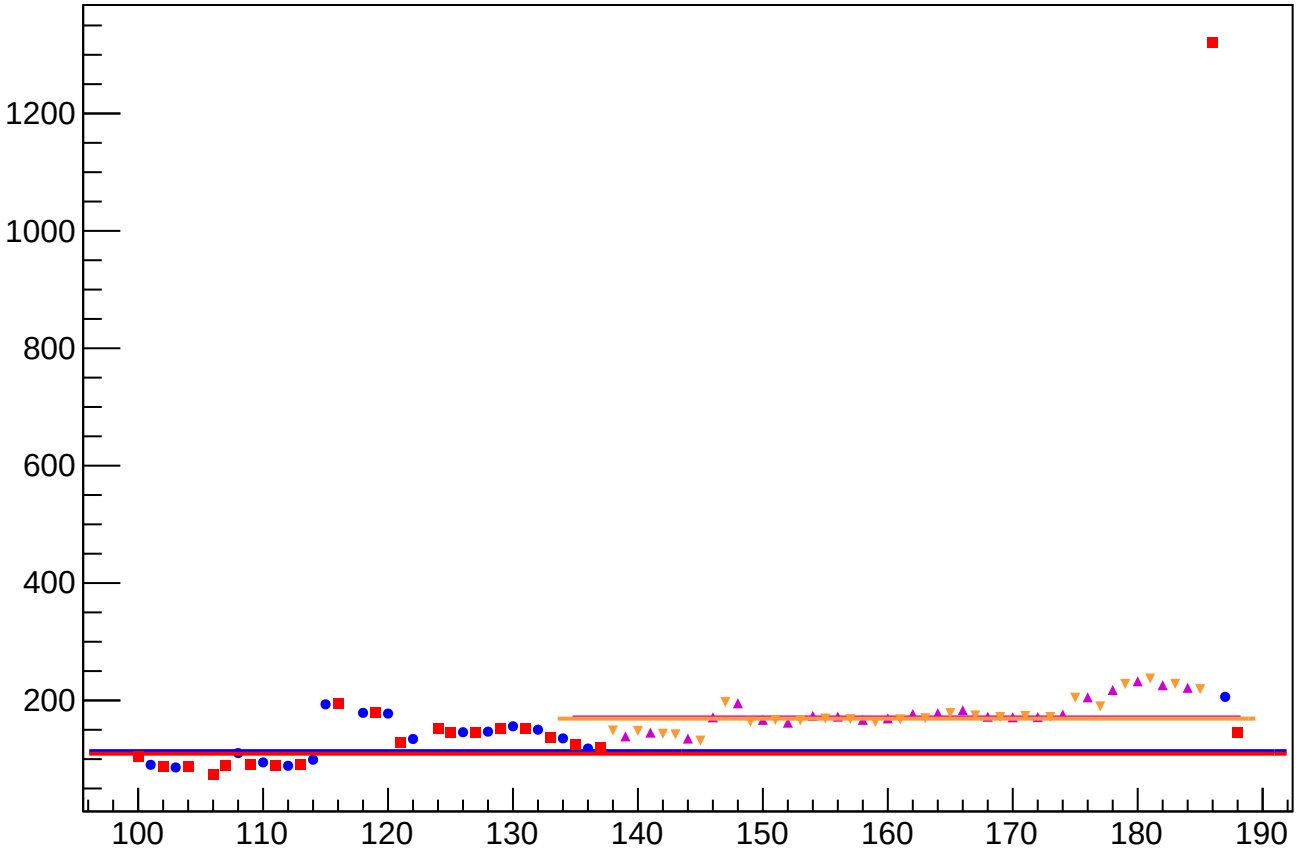
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 110.044+/-28.899 χ^2/NDF: 50.8/41

All: -18.822+/-20.143 χ^2/NDF: 128.5/85

- sign -140.574+/-28.090 χ^2/NDF: 39.0/43

dit_asym_sam5_rms vs Slug



Right In: 113.615+/-0.031 χ^2/NDF: 948579.4/16

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 109.303+/-0.028 χ^2/NDF: 1814648.2/20

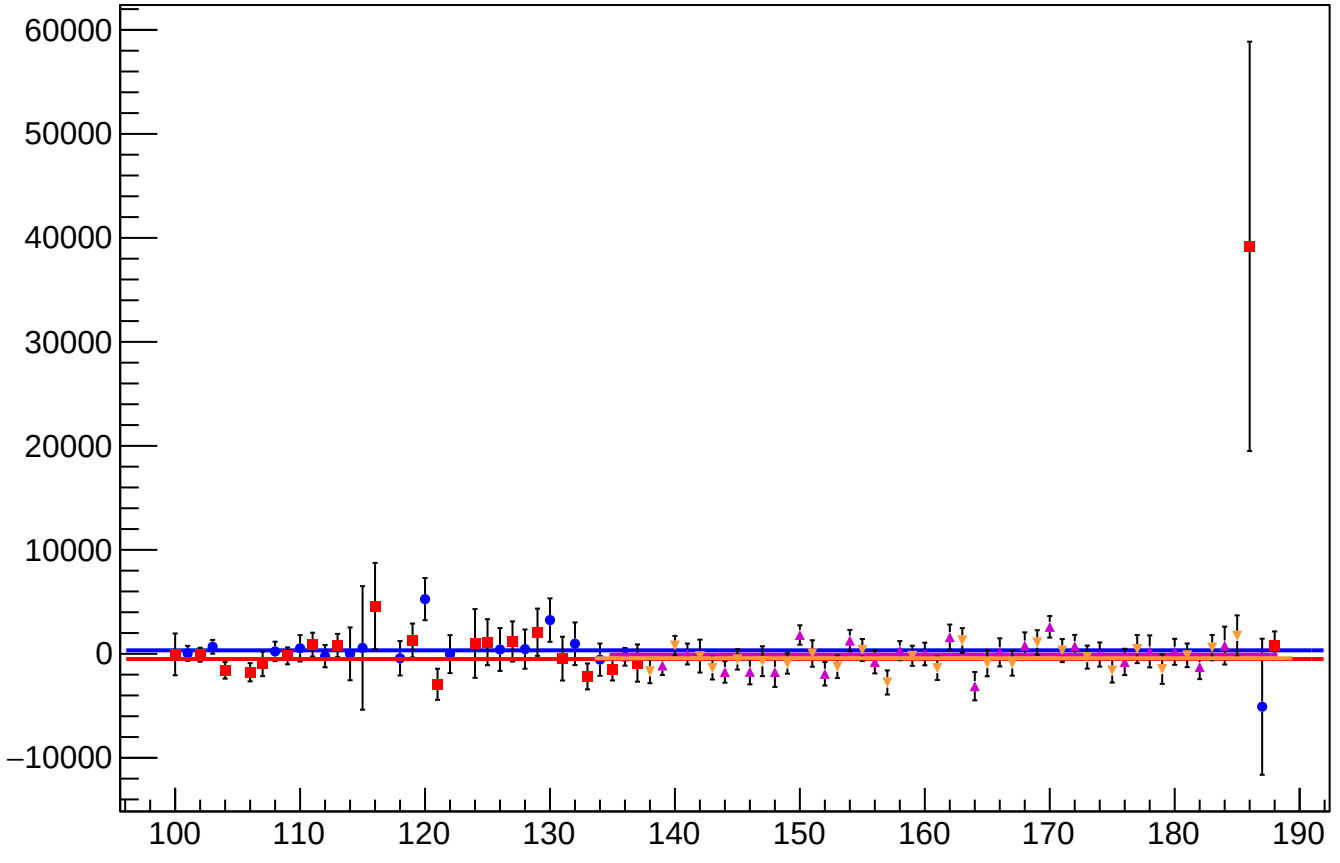
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 144.287+/-0.020 χ^2/NDF: 3538377.3/41

All: 141.653+/-0.014 χ^2/NDF: 8474645.3/85

- sign 139.164+/-0.020 χ^2/NDF: 4903959.3/43

asym_sam5_dit_correction_mean vs Slug



Right In: 337.315+/-304.996 χ^2/NDF: 10.5/16

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -497.137+/-273.069 χ^2/NDF: 23.5/20

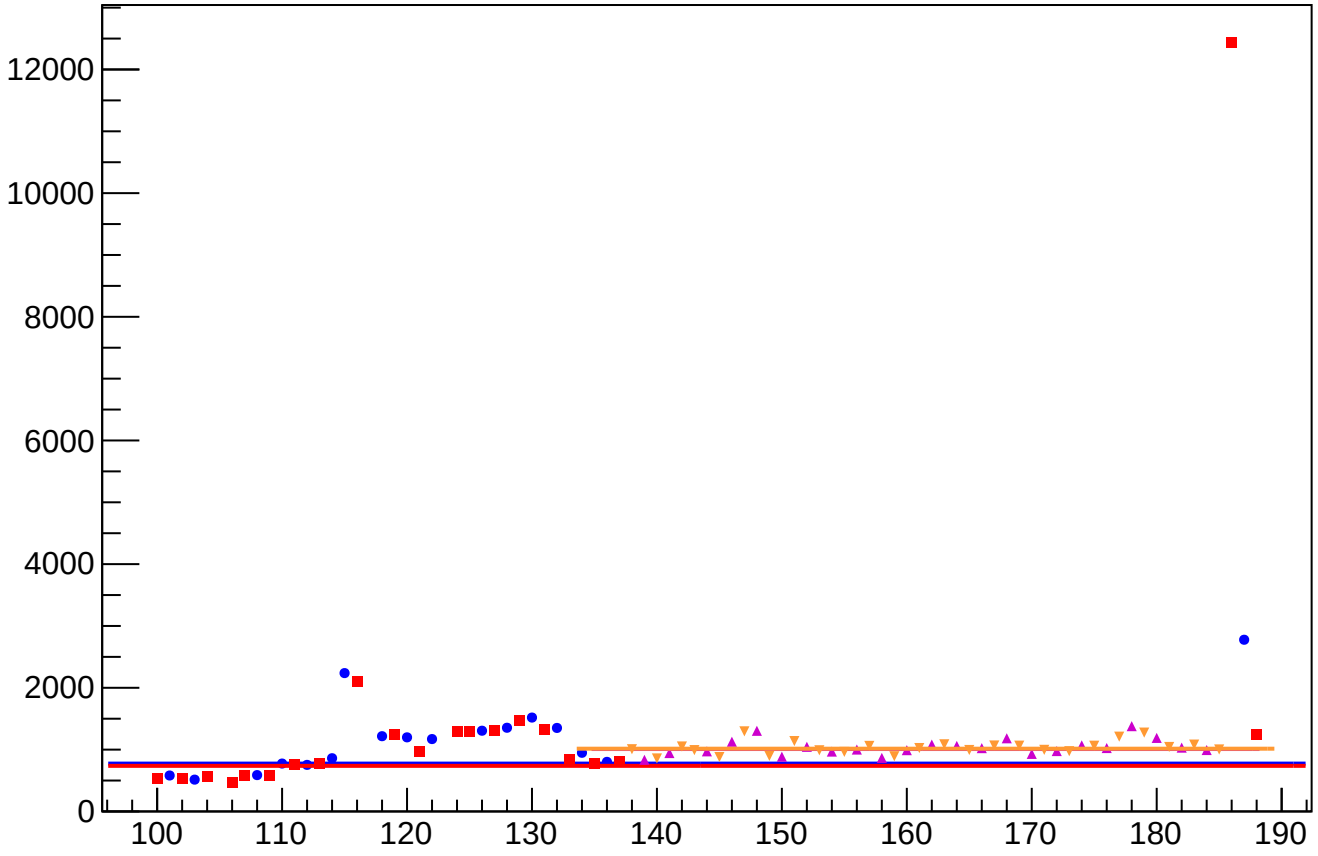
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -145.251+/-184.933 χ^2/NDF: 32.8/41

All: -206.347+/-128.798 χ^2/NDF: 90.2/85

- sign -263.896+/-179.484 χ^2/NDF: 57.2/43

asym_sam5_dit_correction_rms vs Slug



Right In: 773.915+/-0.216 χ^2/NDF: 1927628.2/16

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 737.687+/-0.193 χ^2/NDF: 2780672.3/20

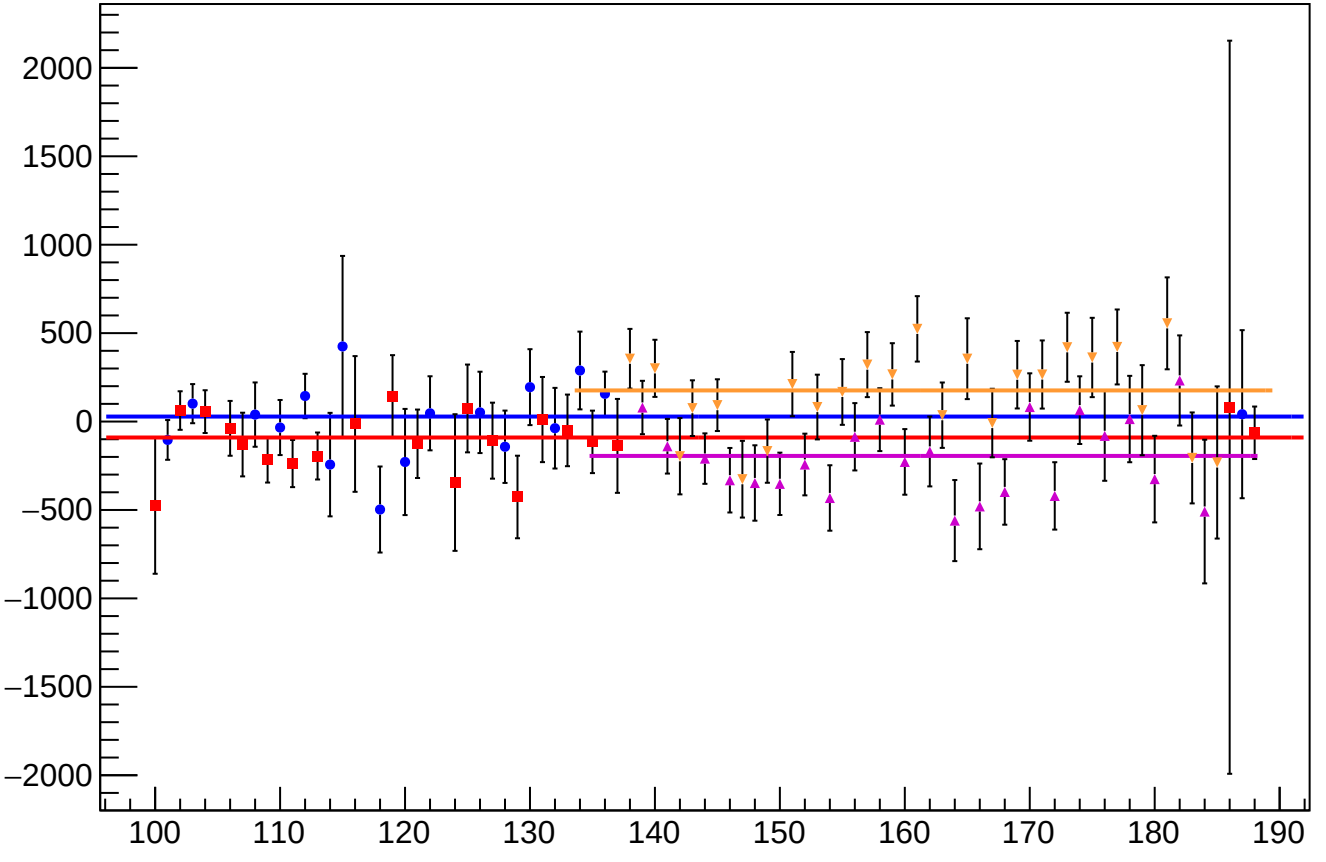
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 926.394+/-0.131 χ^2/NDF: 3116092.7/41

All: 908.770+/-0.091 χ^2/NDF: 7557774.4/85

- sign 892.169+/-0.127 χ^2/NDF: 4406408.3/43

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.205+/-43.258 χ^2/NDF: 13.6/16

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -90.191+/-39.098 χ^2/NDF: 11.7/20

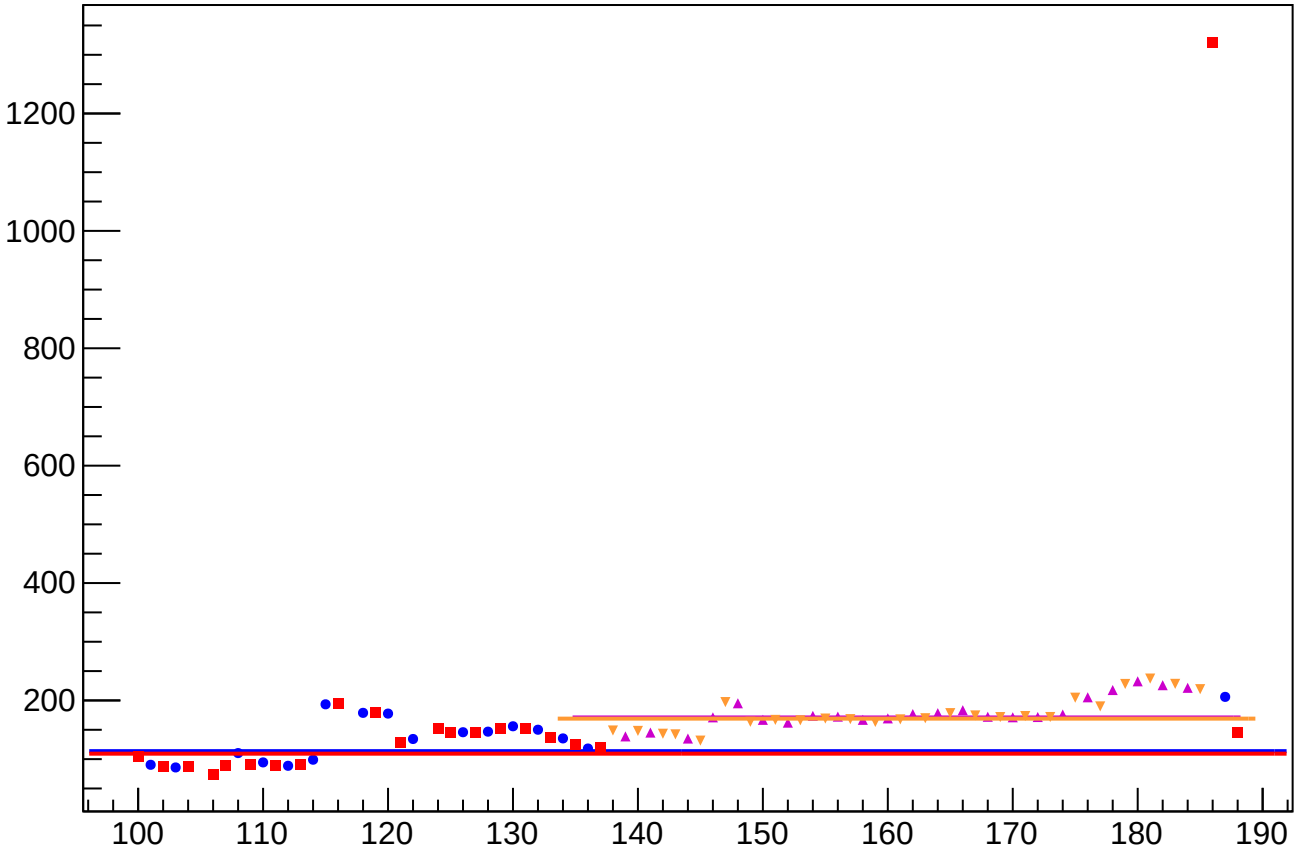
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 110.044+/-28.899 χ^2/NDF: 50.8/41

All: -18.822+/-20.143 χ^2/NDF: 128.5/85

- sign -140.574+/-28.090 χ^2/NDF: 39.0/43

eigen_dit_asym_sam5_rms vs Slug



Right In: 113.615+/-0.031 χ^2/NDF: 948575.2/16

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 109.303+/-0.028 χ^2/NDF: 1814640.0/20

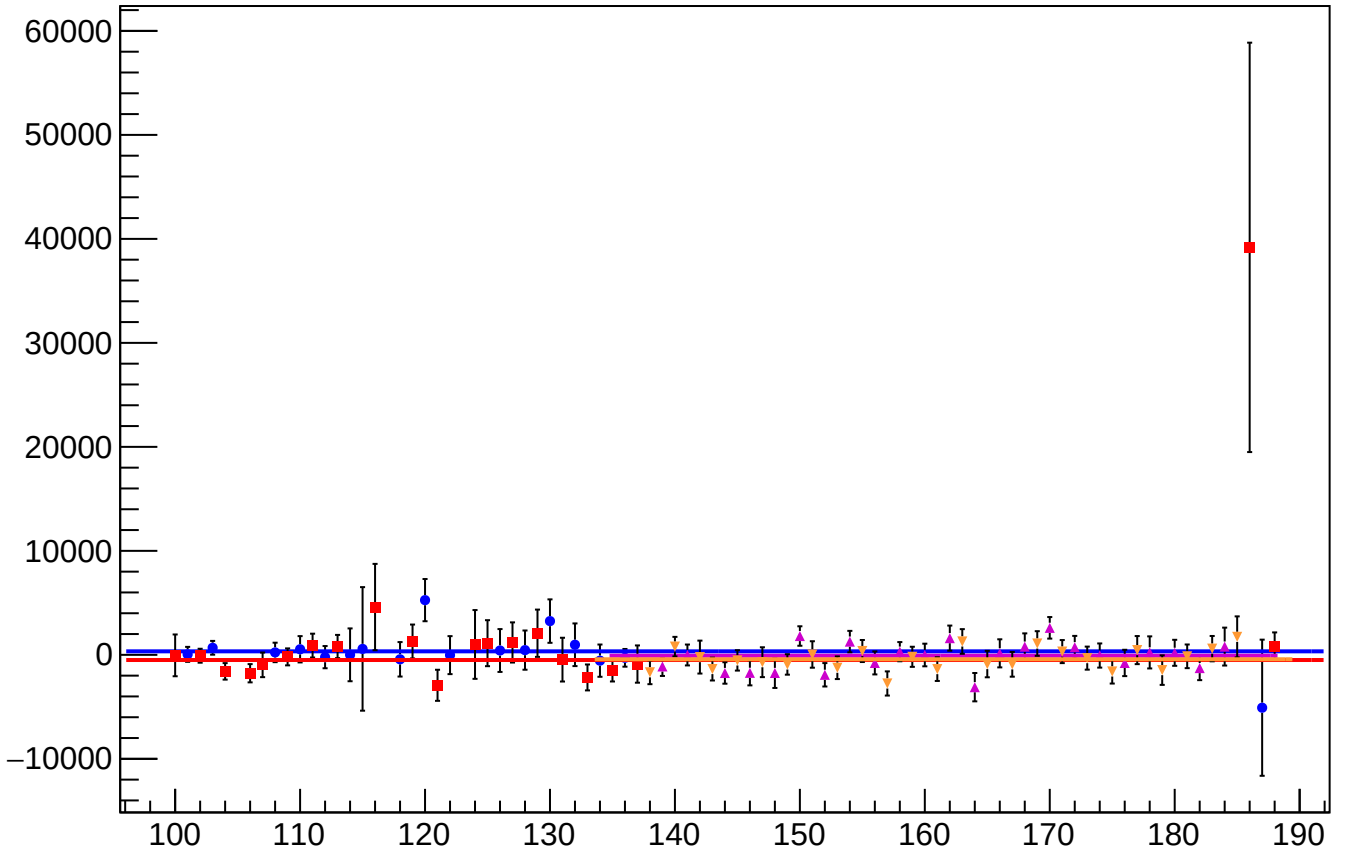
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 144.286+/-0.020 χ^2/NDF: 3538392.7/41

All: 141.653+/-0.014 χ^2/NDF: 8474678.5/85

- sign 139.164+/-0.020 χ^2/NDF: 4903978.1/43

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 337.314+/-304.996 χ^2/NDF: 10.5/16

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -497.138+/-273.069 χ^2/NDF: 23.5/20

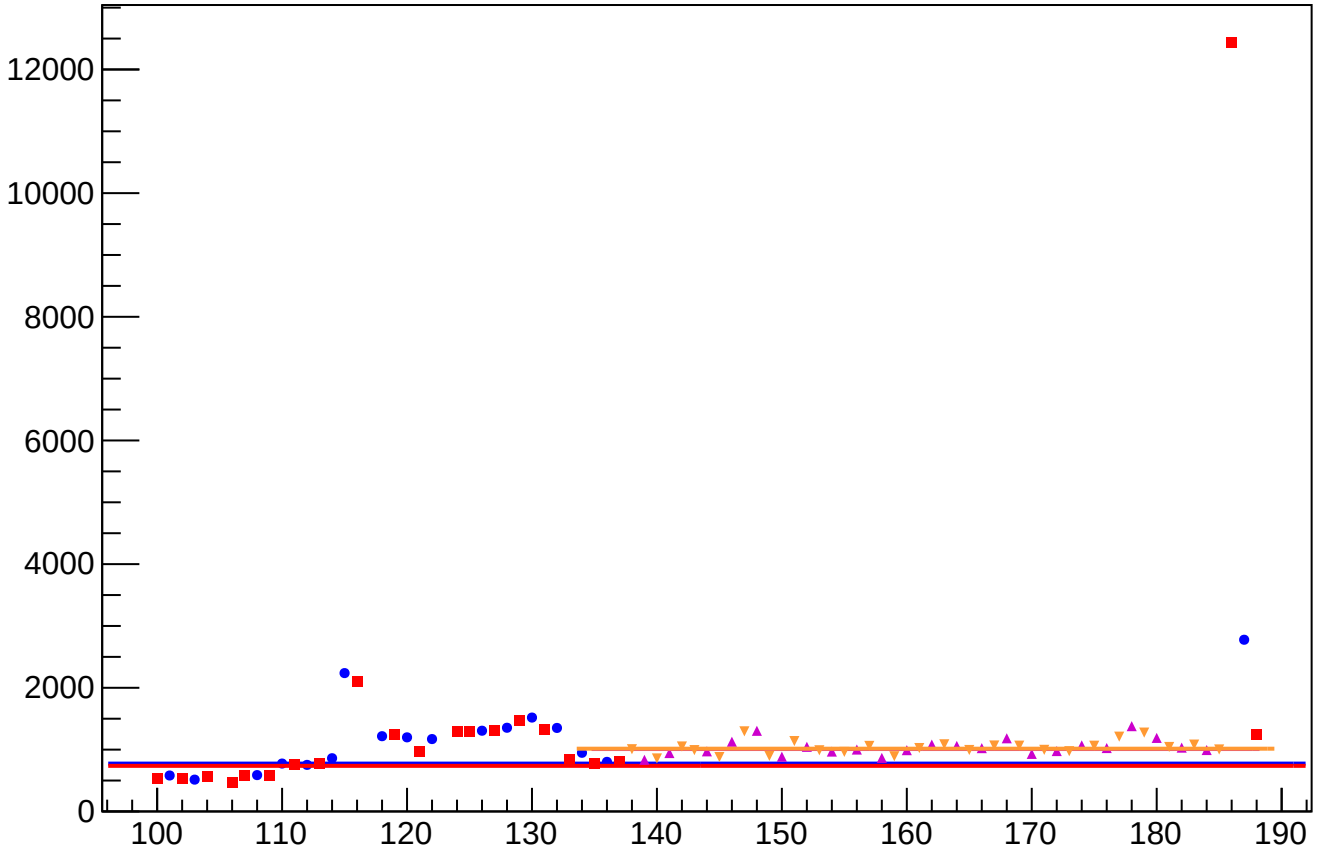
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -145.249+/-184.933 χ^2/NDF: 32.8/41

All: -206.347+/-128.798 χ^2/NDF: 90.2/85

- sign -263.897+/-179.484 χ^2/NDF: 57.2/43

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 773.914+/-0.216 χ^2/NDF: 1927625.4/16

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 737.686+/-0.193 χ^2/NDF: 2780670.1/20

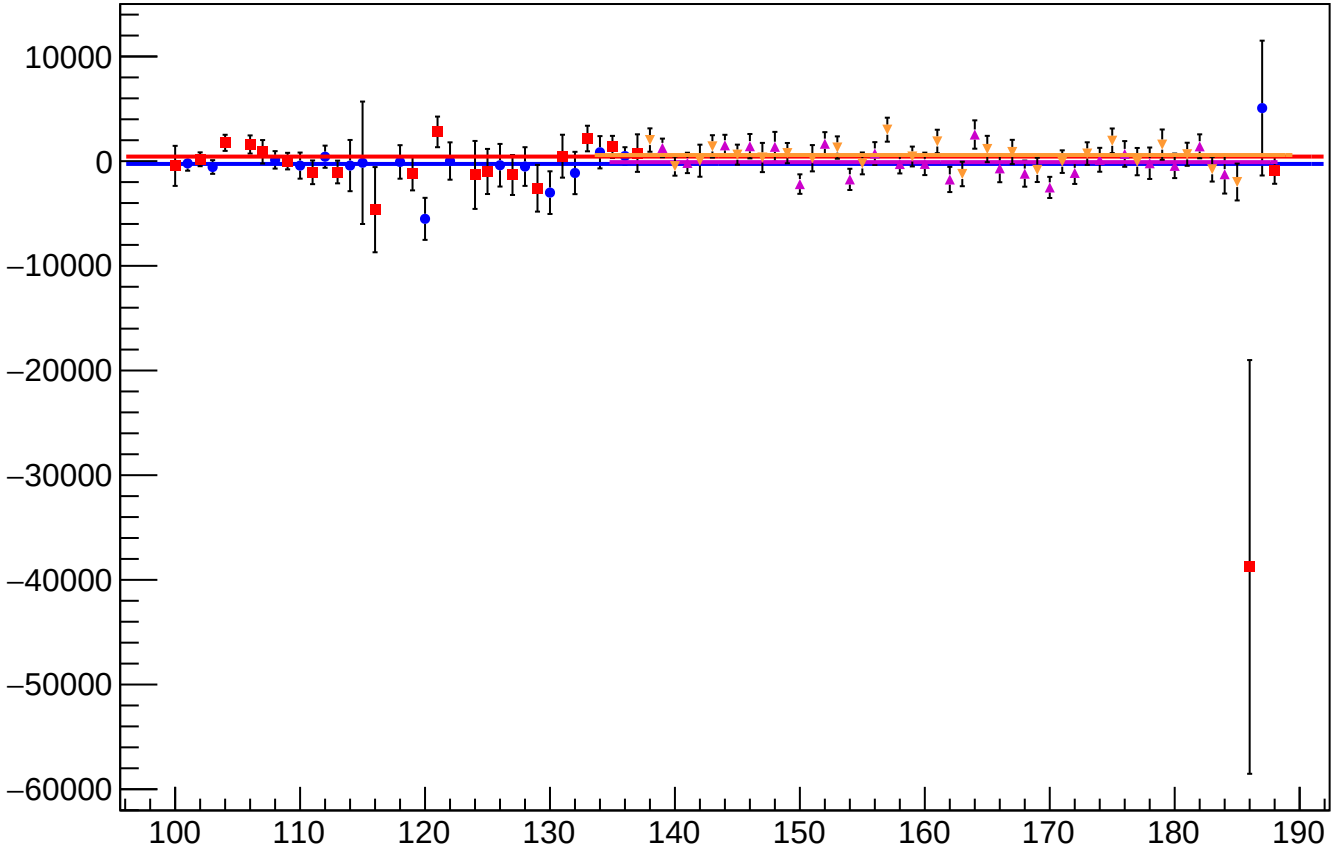
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 926.394+/-0.131 χ^2/NDF: 3116104.7/41

All: 908.770+/-0.091 χ^2/NDF: 7557804.4/85

- sign 892.169+/-0.127 χ^2/NDF: 4406426.2/43

asym_sam5_mean vs Slug



Right In: -264.873+/-296.394 χ^2/NDF: 11.7/16

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 436.927+/-267.118 χ^2/NDF: 25.5/20

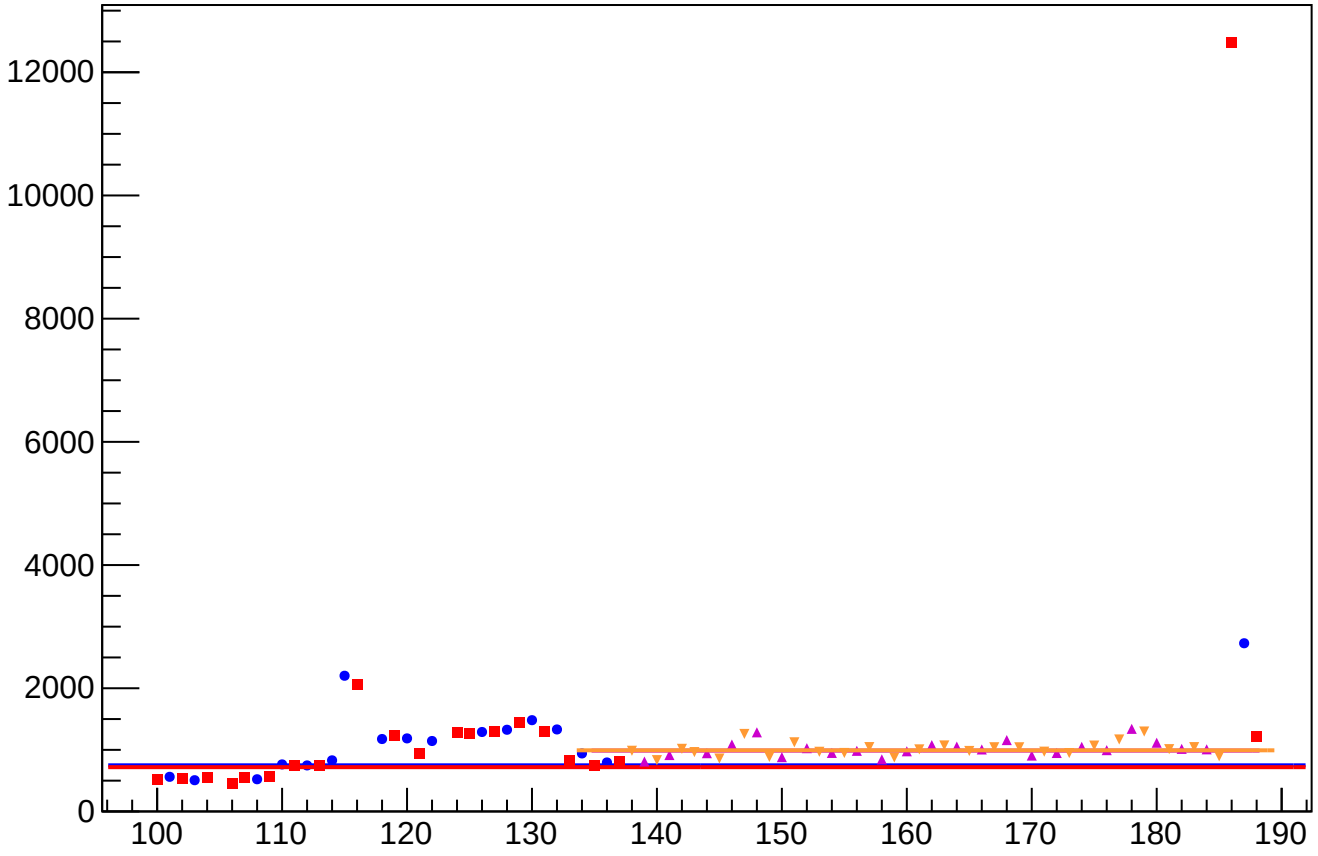
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 270.524+/-180.510 χ^2/NDF: 37.7/41

All: 201.497+/-125.866 χ^2/NDF: 100.3/85

- sign 136.178+/-175.596 χ^2/NDF: 62.3/43

asym_sam5_rms vs Slug



Right In: 748.989+/-0.210 χ^2/NDF: 2012318.0/16

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 718.970+/-0.189 χ^2/NDF: 2831462.4/20

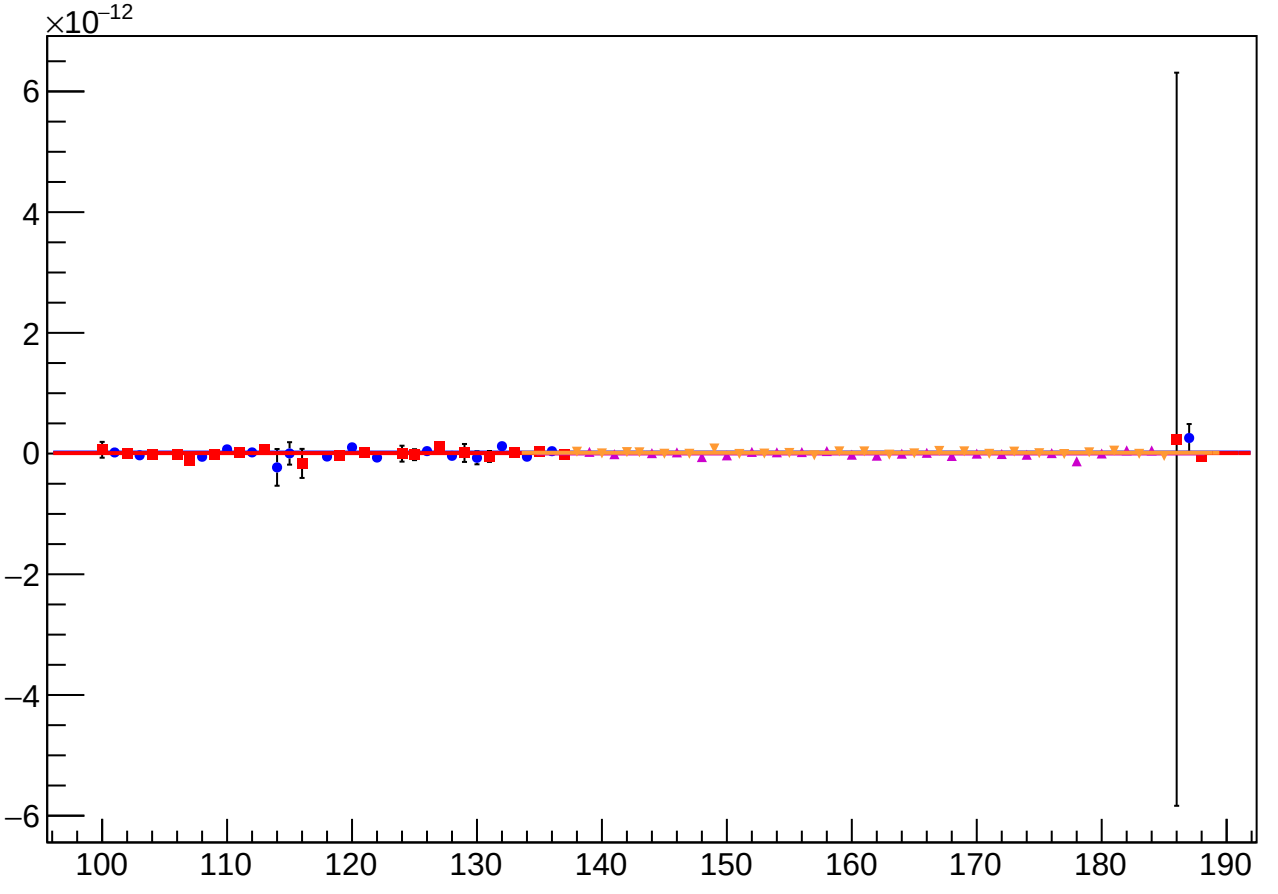
Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 902.211+/-0.128 χ^2/NDF: 3286825.9/41

All: 886.493+/-0.089 χ^2/NDF: 7785726.5/85

- sign 871.620+/-0.124 χ^2/NDF: 4469387.7/43

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

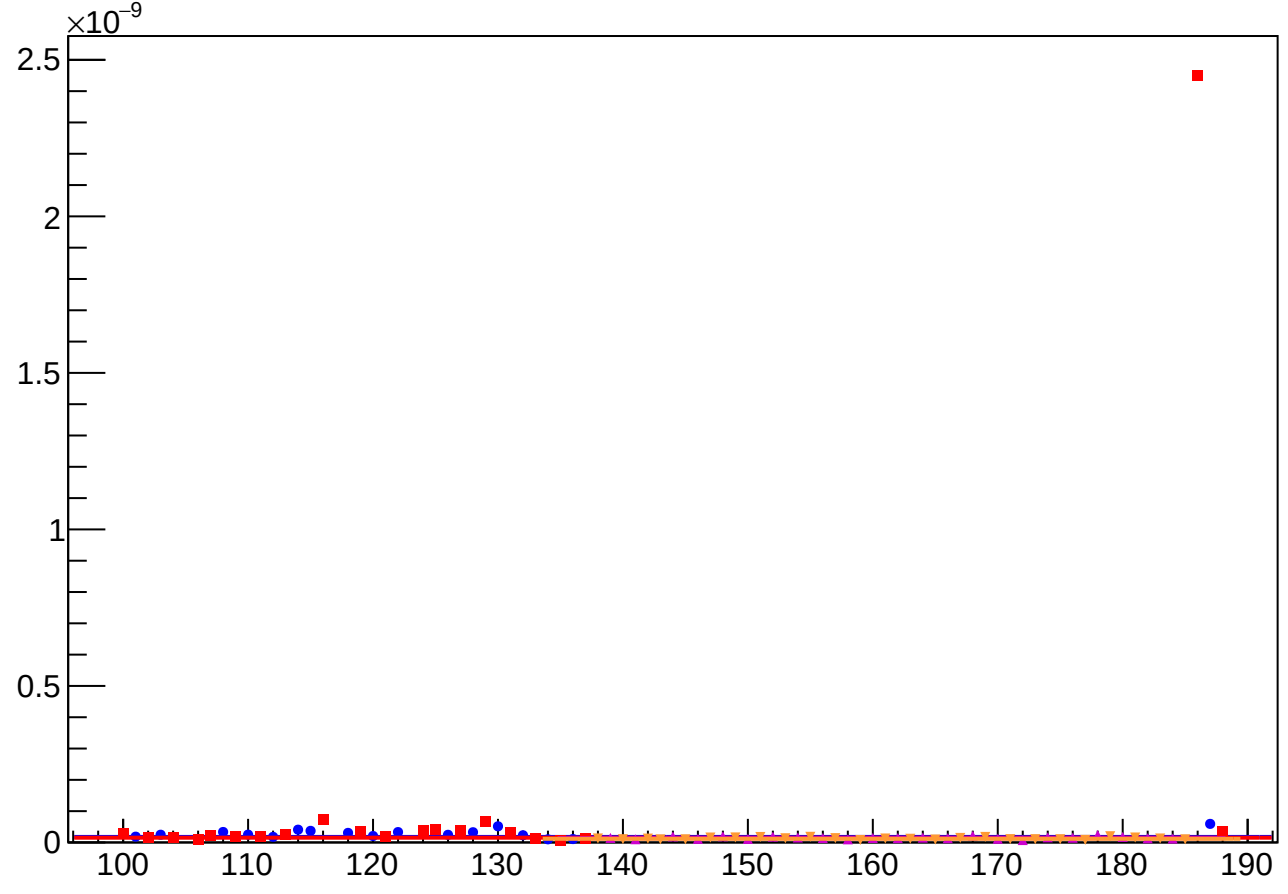
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/20

Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.3/41

All: 0.000+/-0.000 χ^2/NDF: 88.5/85

- sign 0.000+/-0.000 χ^2/NDF: 43.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 1221672.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2298354.5/20

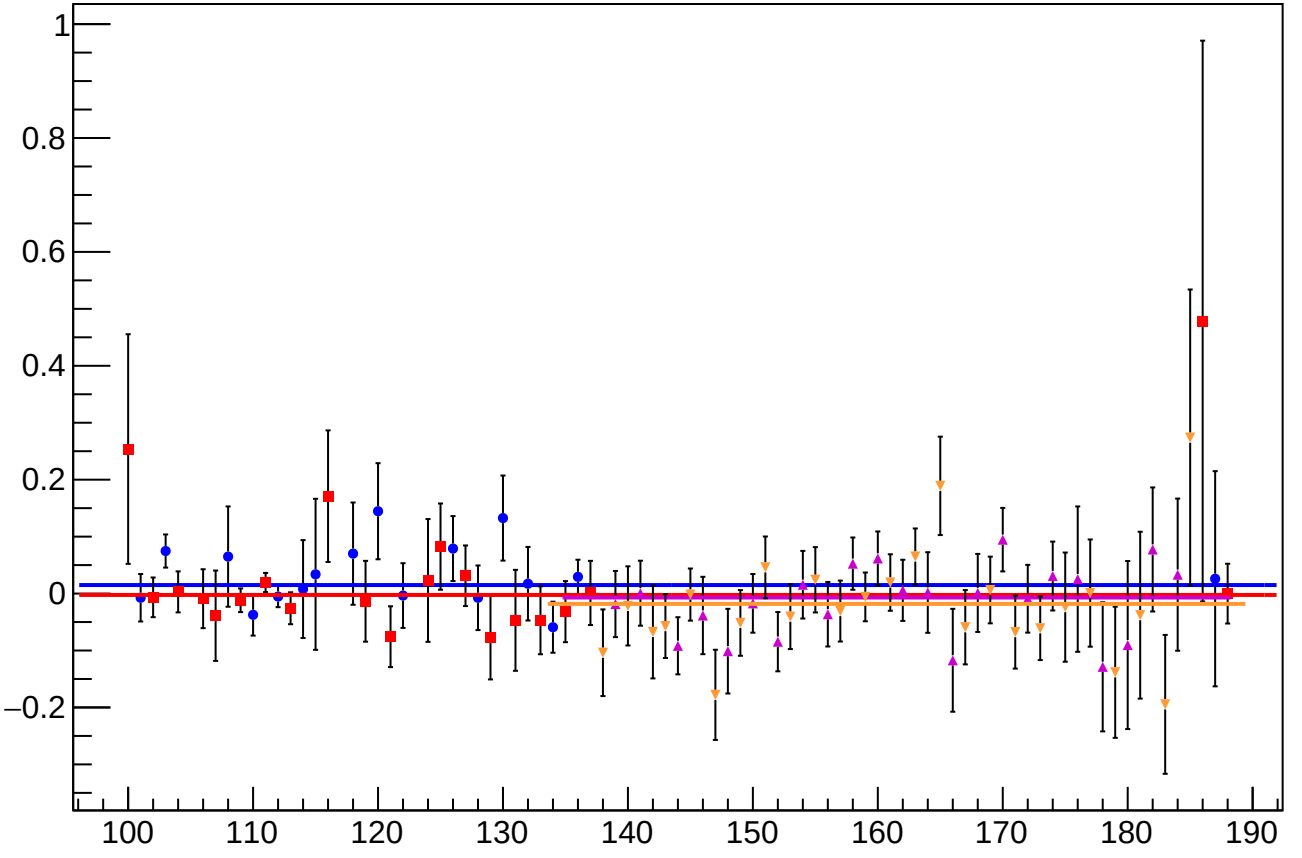
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2505926.1/41

All: 0.000+/-0.000 χ^2/NDF: 5789830.9/85

- sign 0.000+/-0.000 χ^2/NDF: 3210417.5/43

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 13.4/20

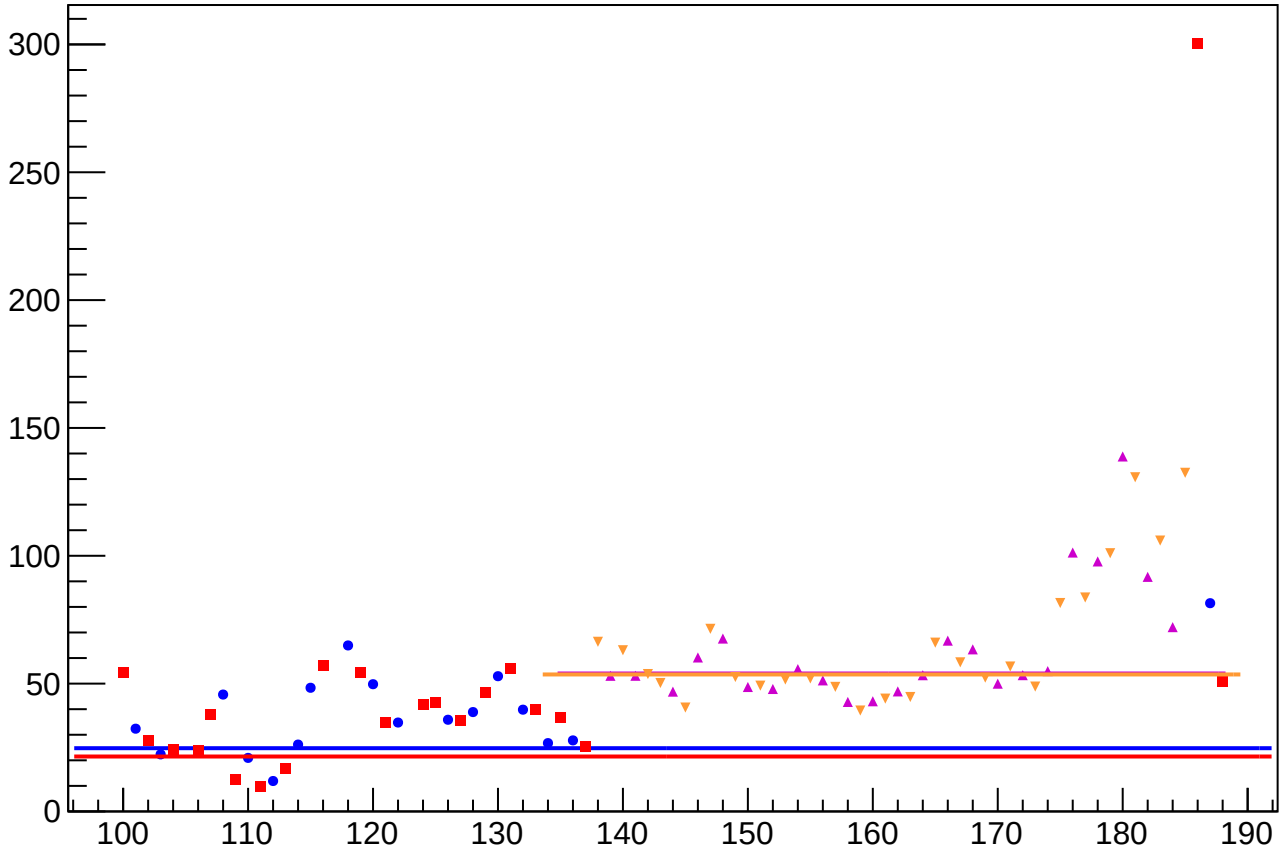
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.1/41

All: -0.001+/-0.006 χ^2/NDF: 78.5/85

- sign -0.004+/-0.007 χ^2/NDF: 32.2/43

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 24.744+/-0.007 χ^2/NDF: 2665280.8/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

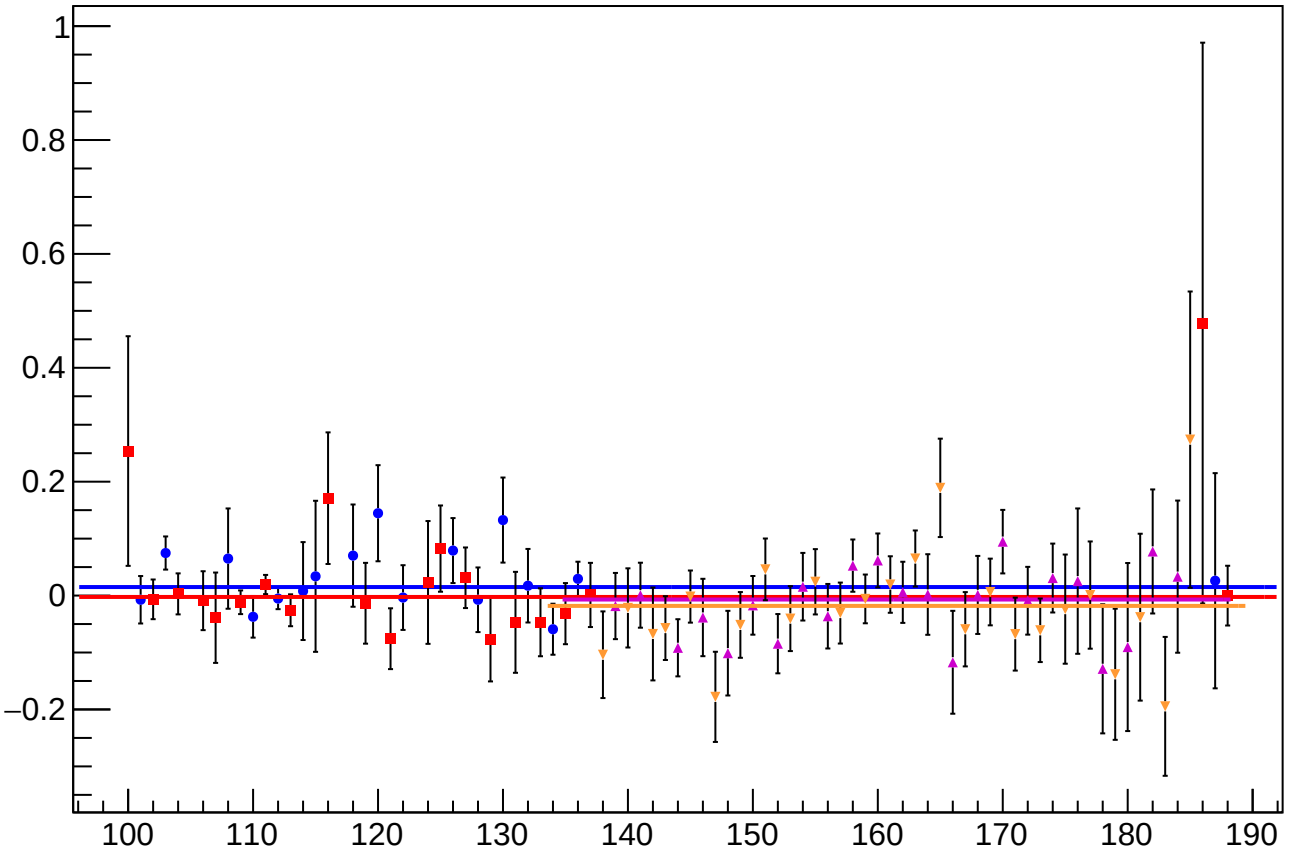
Right Out: 21.490+/-0.006 χ^2/NDF: 4871513.4/20

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 36.436+/-0.006 χ^2/NDF: 11342833.0/41

All: 33.994+/-0.004 χ^2/NDF: 26802794.4/85

- sign 31.935+/-0.005 χ^2/NDF: 15128995.4/43



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 13.4/20

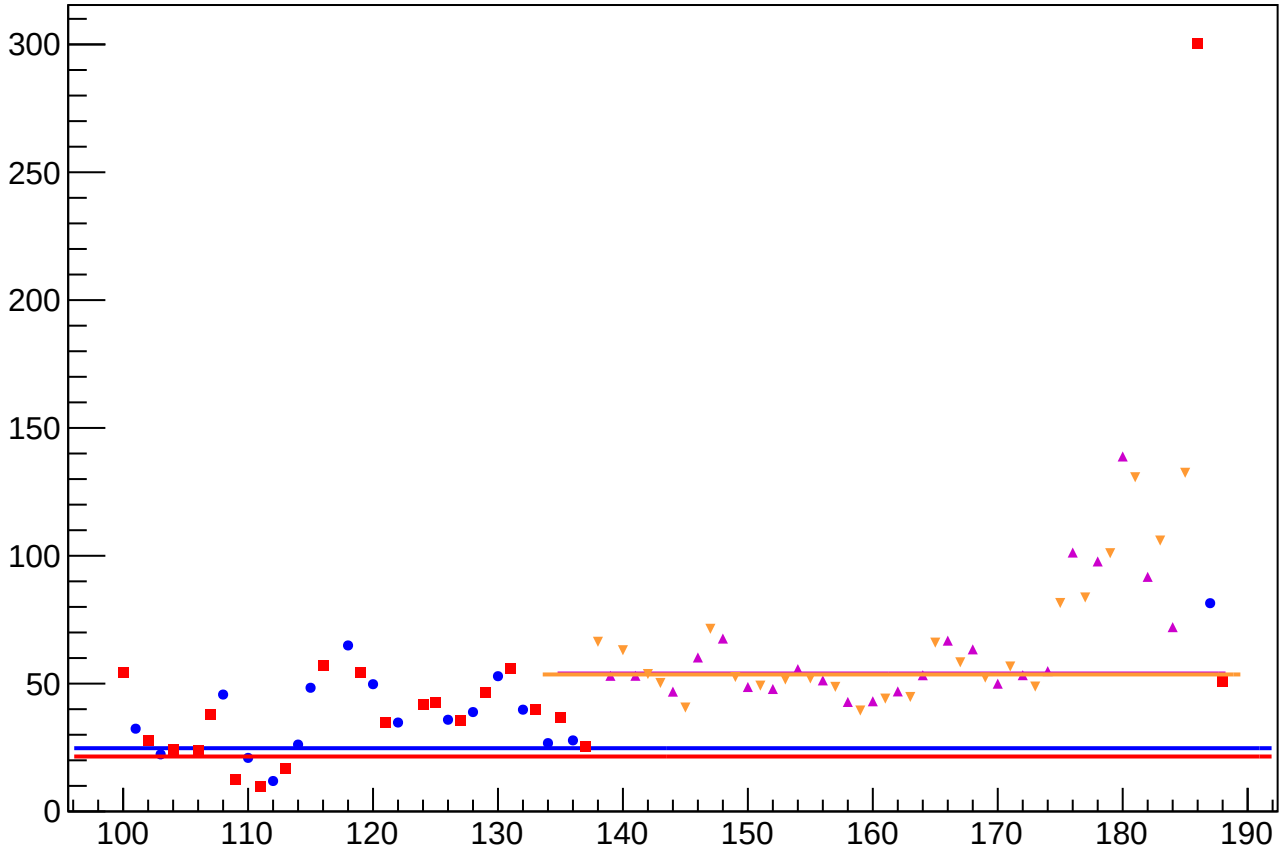
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.1/41

All: -0.001+/-0.006 χ^2/NDF: 78.5/85

- sign -0.004+/-0.007 χ^2/NDF: 32.2/43

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.744+/-0.007 χ^2/NDF: 2665280.8/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

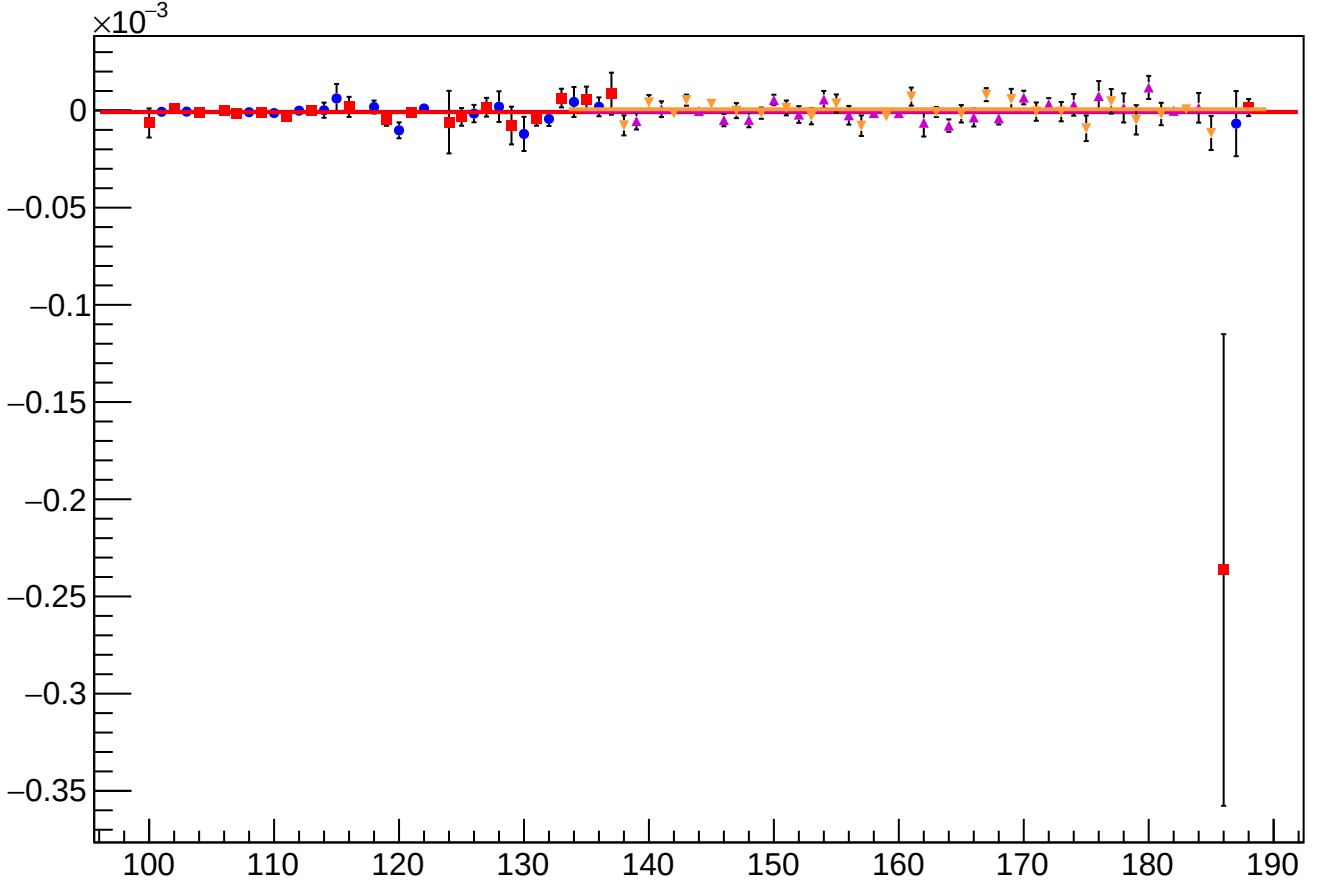
Right Out: 21.490+/-0.006 χ^2/NDF: 4871513.4/20

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 36.436+/-0.006 χ^2/NDF: 11342833.0/41

All: 33.994+/-0.004 χ^2/NDF: 26802794.4/85

- sign 31.935+/-0.005 χ^2/NDF: 15128995.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/20

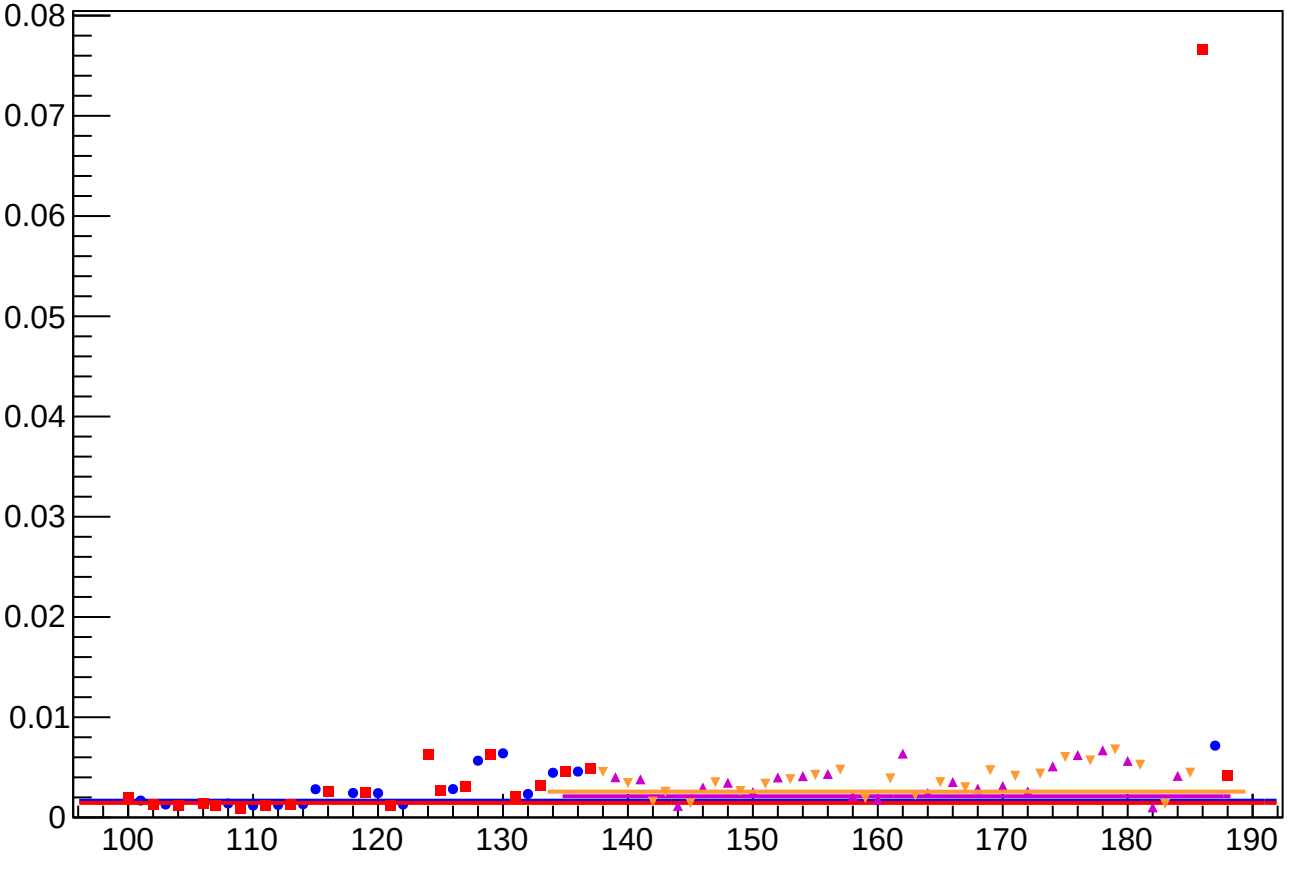
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.3/41

All: -0.000+/-0.000 χ^2/NDF: 92.4/85

- sign -0.000+/-0.000 χ^2/NDF: 47.2/43

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3157565.5/16

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

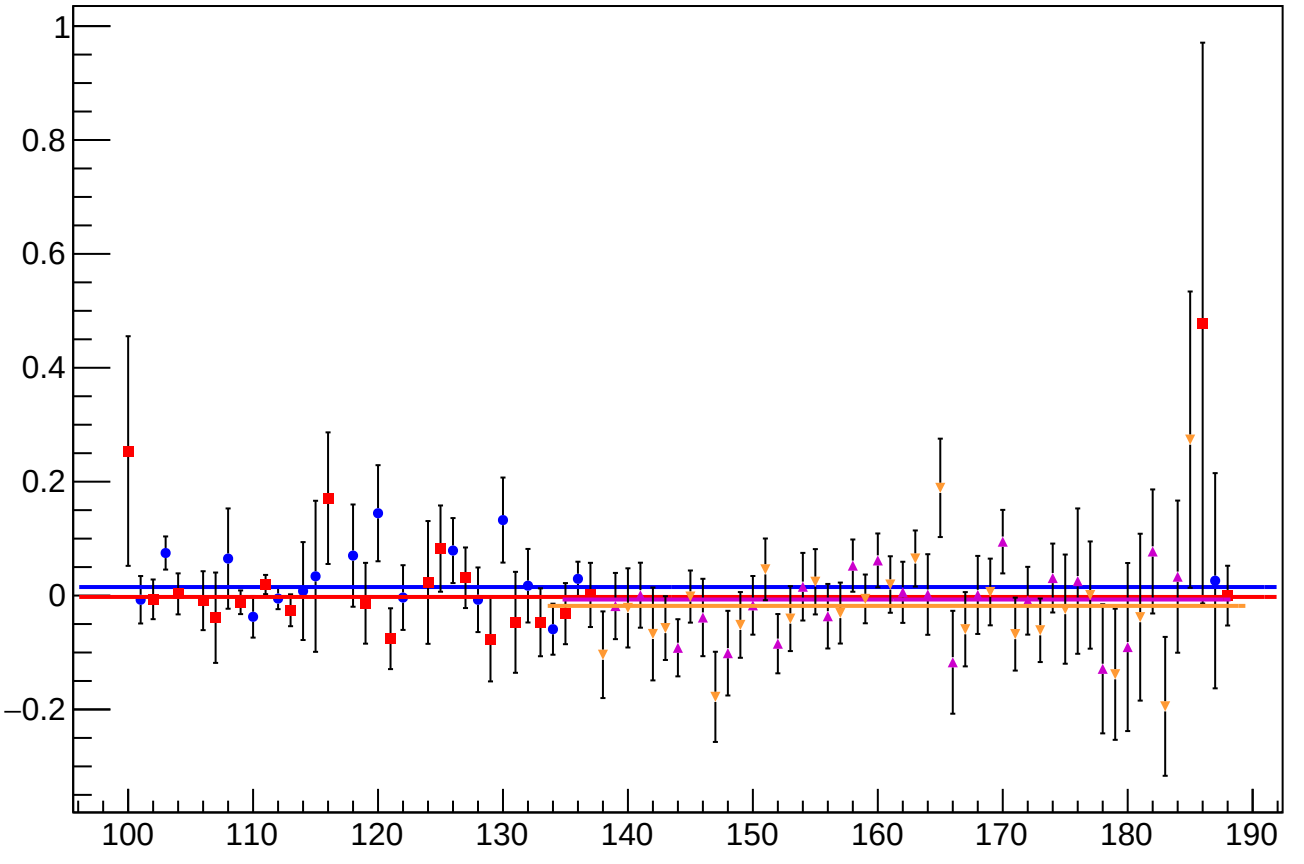
Right Out: 0.001+/-0.000 χ^2/NDF: 4465625.7/20

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12039134.8/41

All: 0.002+/-0.000 χ^2/NDF: 27948555.5/85

- sign 0.002+/-0.000 χ^2/NDF: 15245347.8/43



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 13.4/20

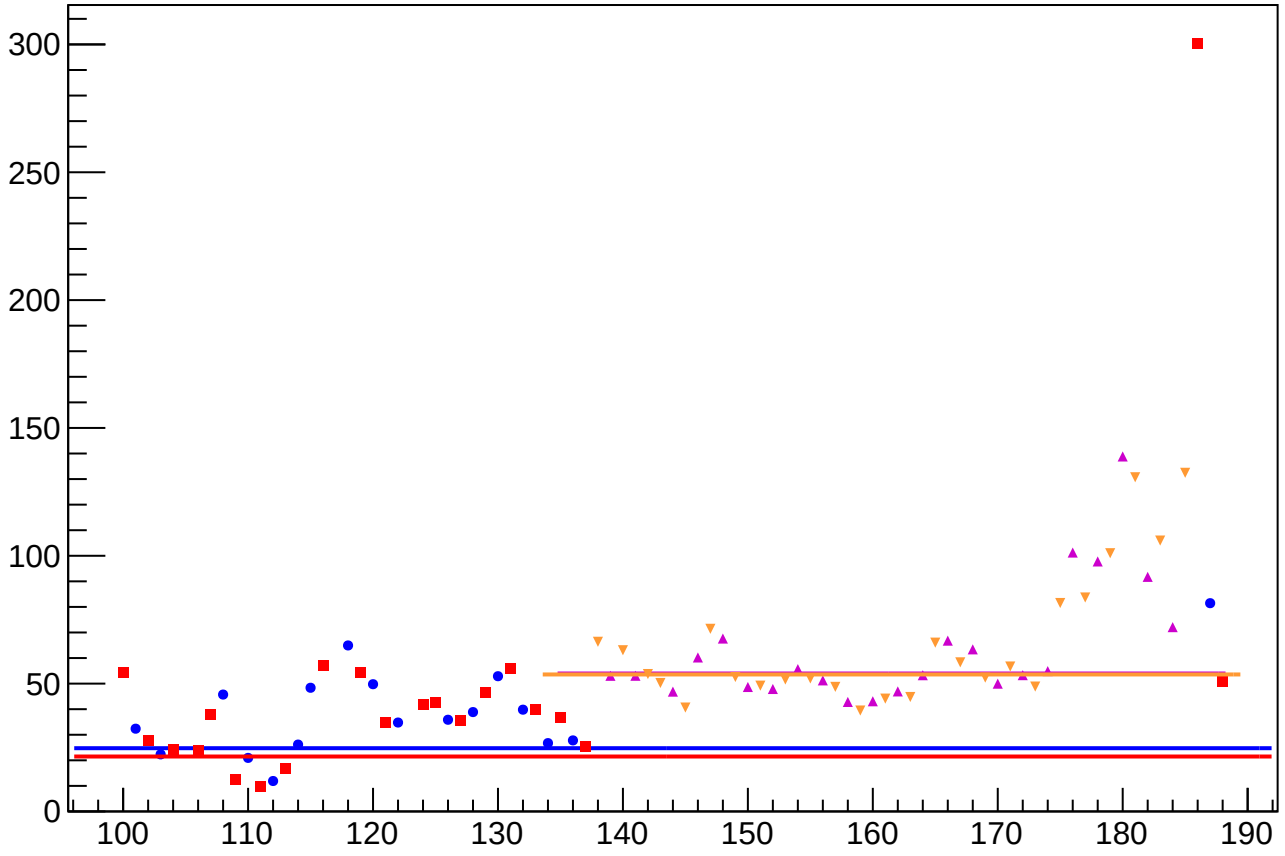
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.1/41

All: -0.001+/-0.006 χ^2/NDF: 78.5/85

- sign -0.004+/-0.007 χ^2/NDF: 32.2/43

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.744+/-0.007 χ^2/NDF: 2665195.2/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

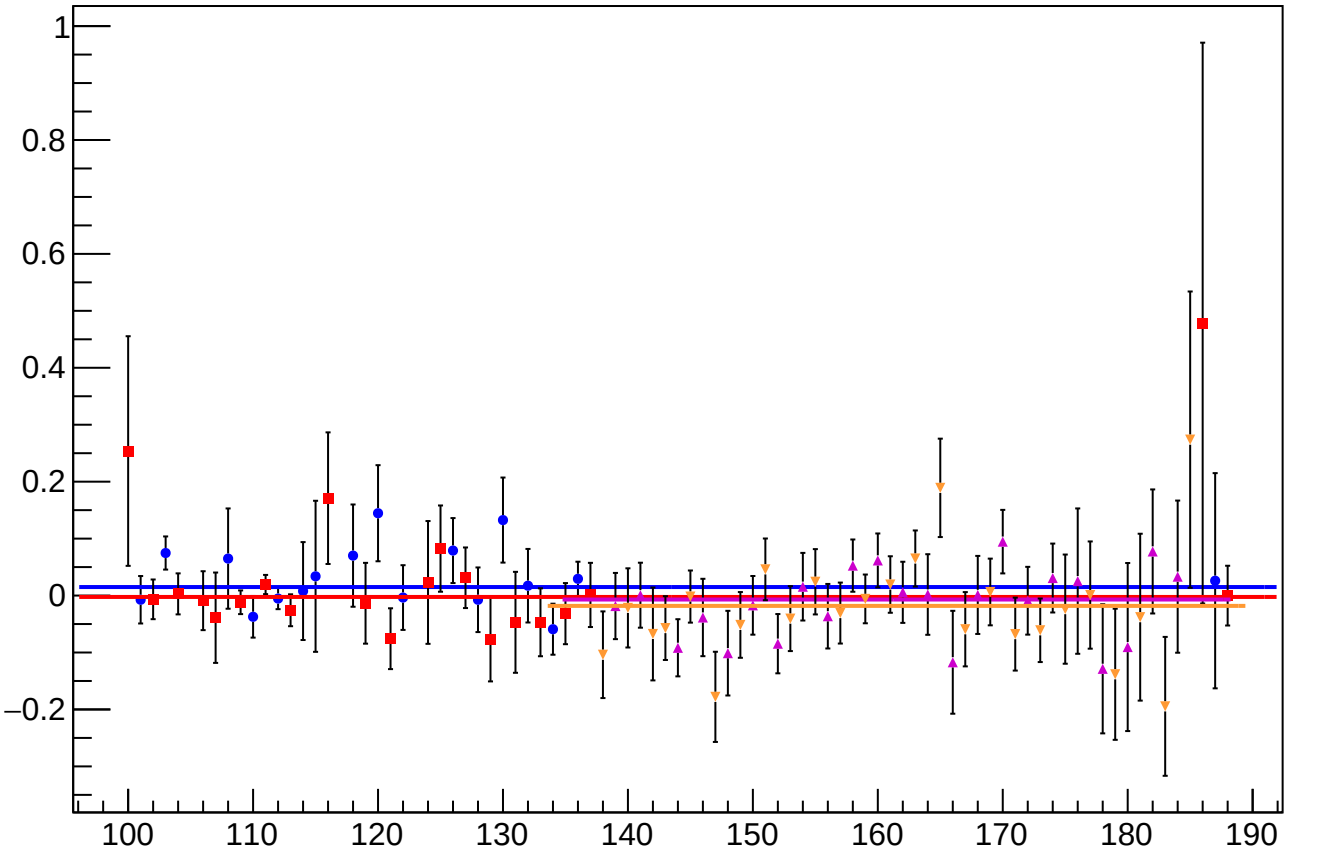
Right Out: 21.490+/-0.006 χ^2/NDF: 4871519.5/20

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 36.436+/-0.006 χ^2/NDF: 11343181.6/41

All: 33.993+/-0.004 χ^2/NDF: 26803681.4/85

- sign 31.934+/-0.005 χ^2/NDF: 15129508.5/43



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

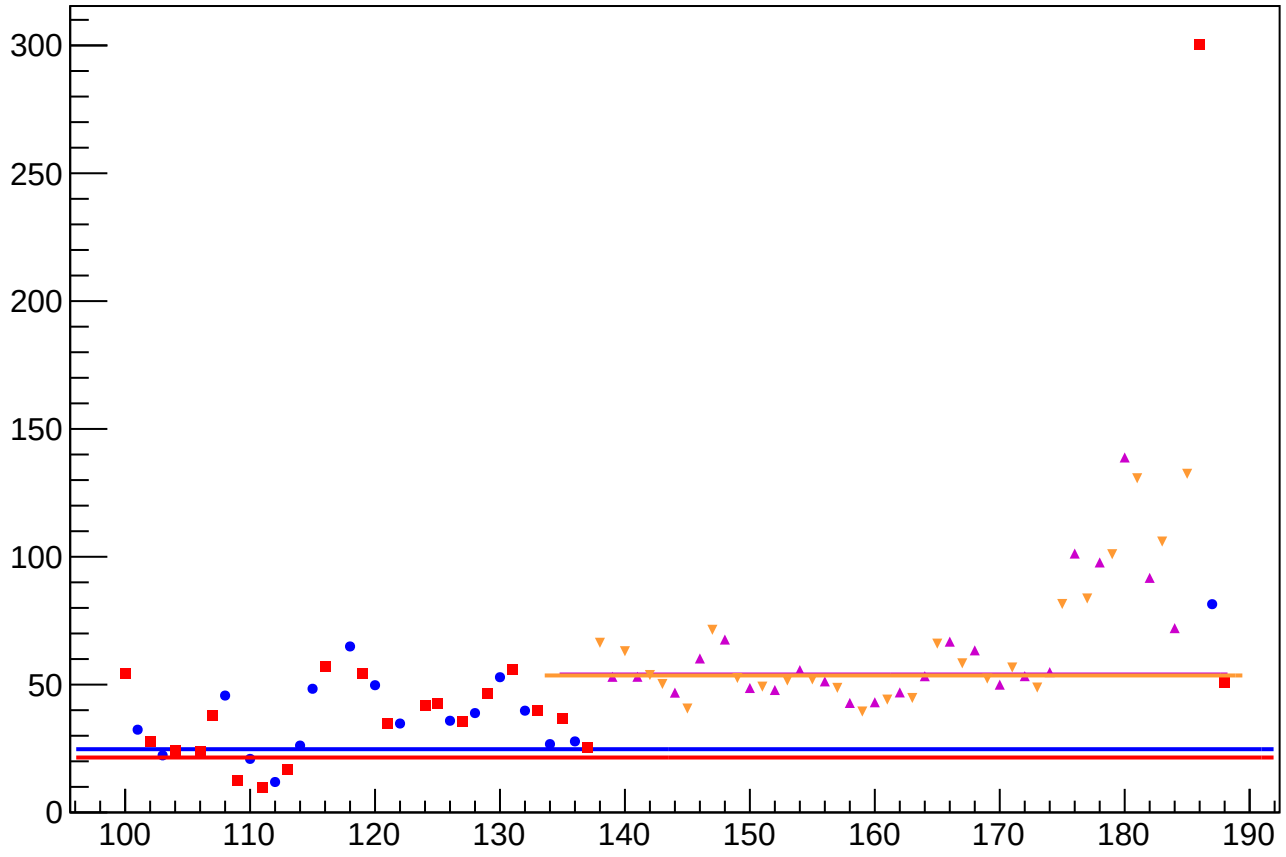
Right Out: -0.002+/-0.009 χ^2/NDF: 13.4/20

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.1/41

All: -0.001+/-0.006 χ^2/NDF: 78.5/85

- sign -0.004+/-0.007 χ^2/NDF: 32.2/43



Right In: 24.744+/-0.007 χ^2/NDF: 2665195.2/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

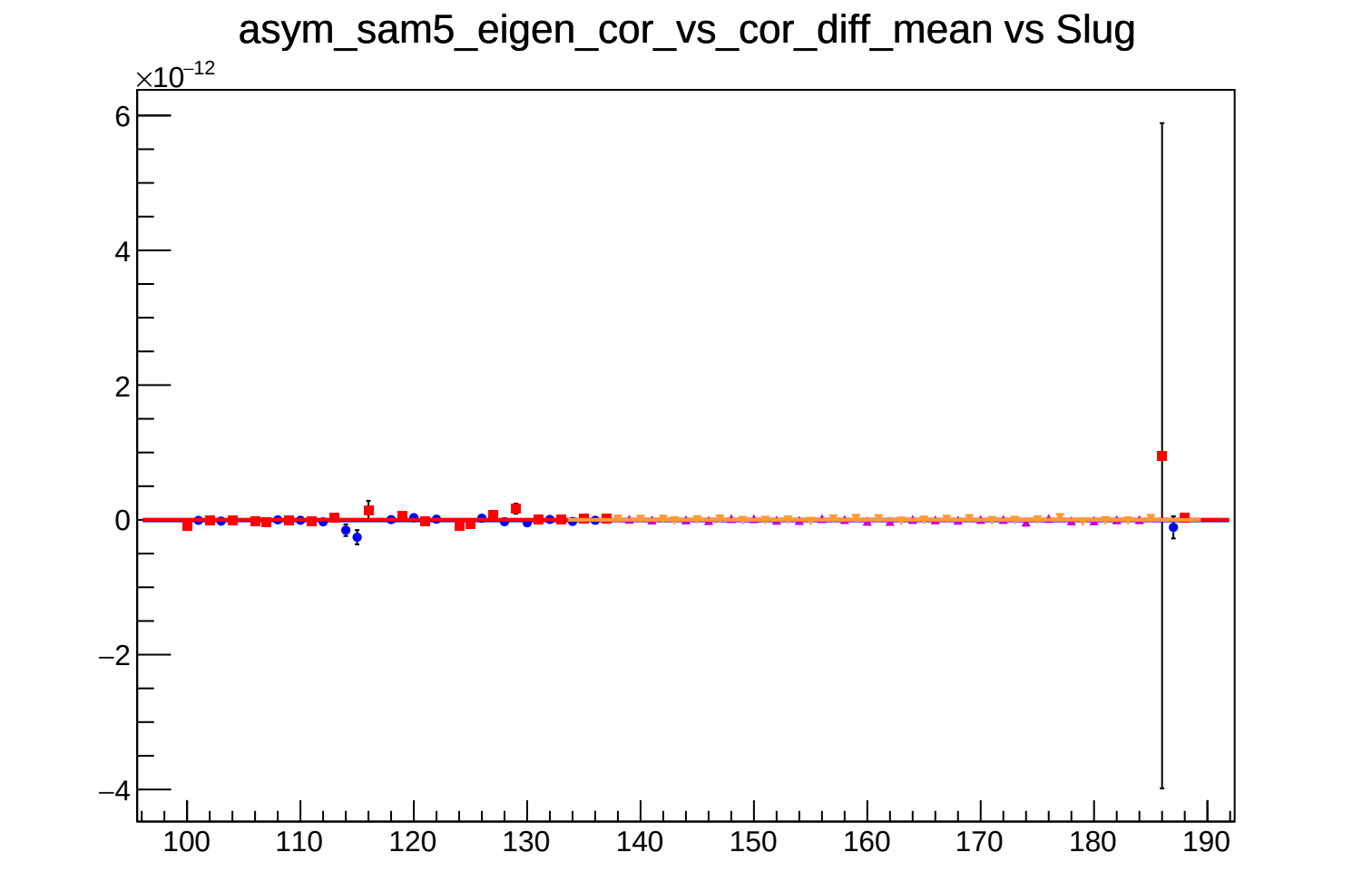
Right Out: 21.490+/-0.006 χ^2/NDF: 4871519.5/20

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

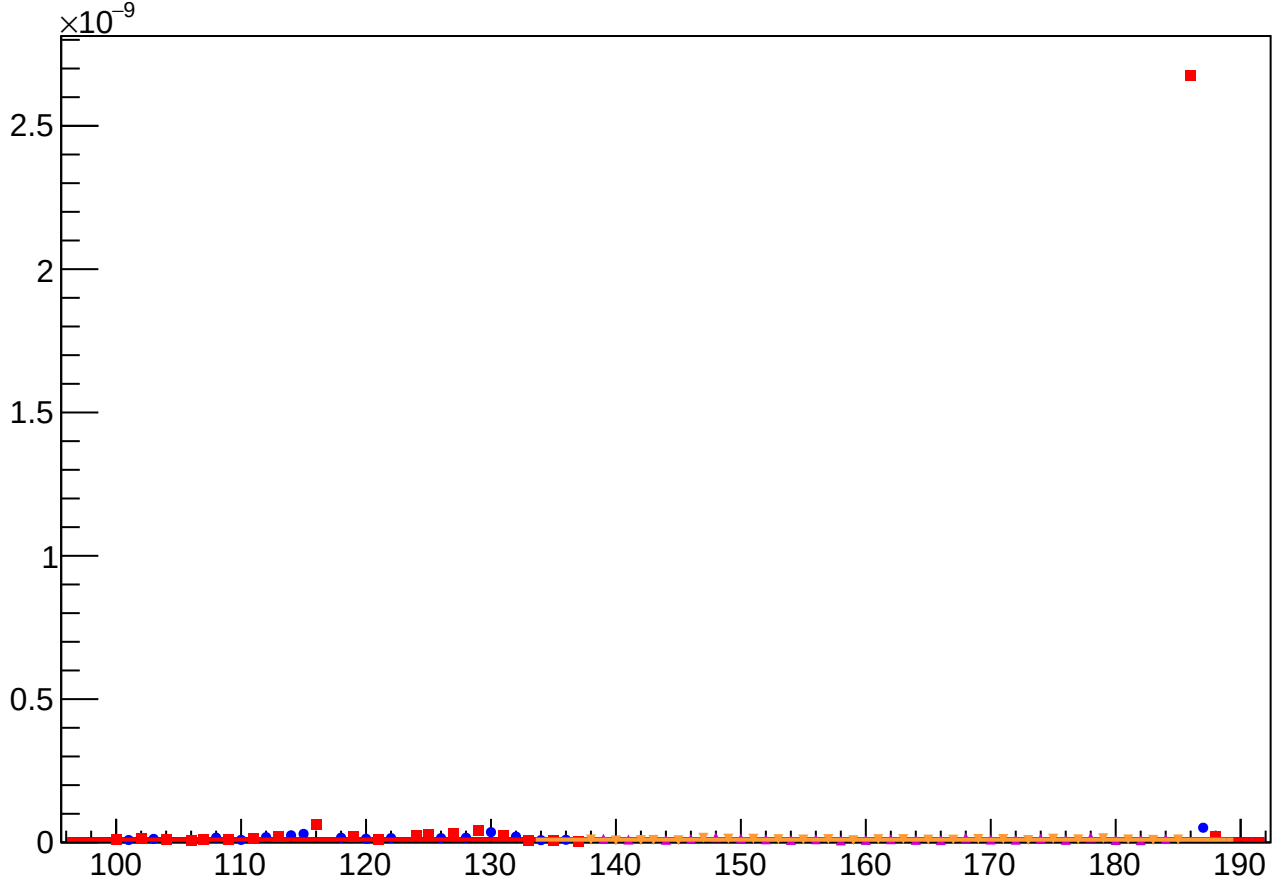
+ sign 36.436+/-0.006 χ^2/NDF: 11343181.6/41

All: 33.993+/-0.004 χ^2/NDF: 26803681.4/85

- sign 31.934+/-0.005 χ^2/NDF: 15129508.5/43


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 14.9/16
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.2/20
Left In: 0.000+/-0.000 χ²/NDF:18.1/22
+ sign -0.000+/-0.000 χ²/NDF: 44.6/41
All: 0.000+/-0.000 χ²/NDF: 90.4/85
- sign 0.000+/-0.000 χ²/NDF: 45.6/43

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1297303.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3535428.4/20

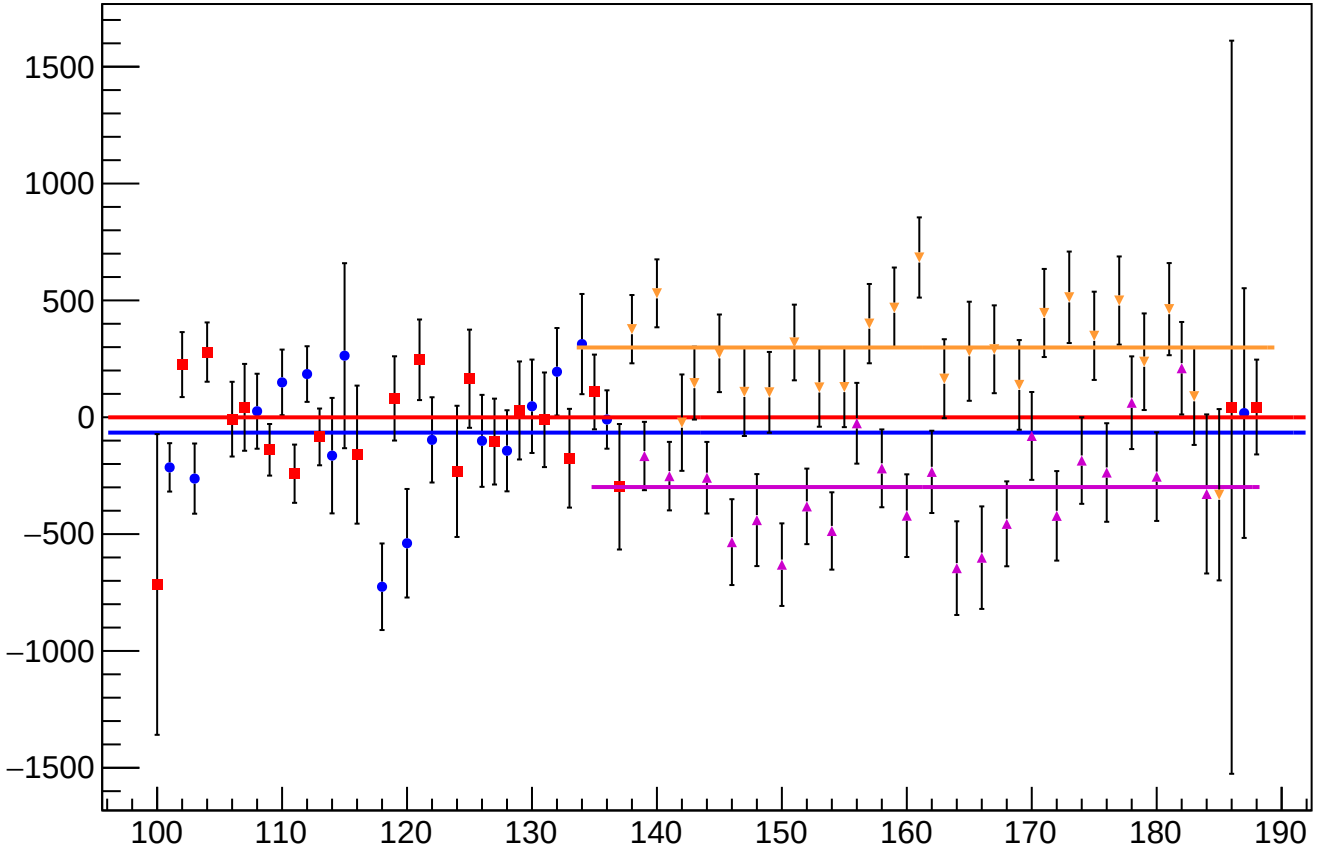
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2637560.5/41

All: 0.000+/-0.000 χ^2/NDF: 7486863.9/85

- sign 0.000+/-0.000 χ^2/NDF: 4849152.8/43

reg_asym_sam6_mean vs Slug



Right In: -65.739+/-40.817 χ^2/NDF: 34.4/16

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -0.371+/-38.161 χ^2/NDF: 21.2/20

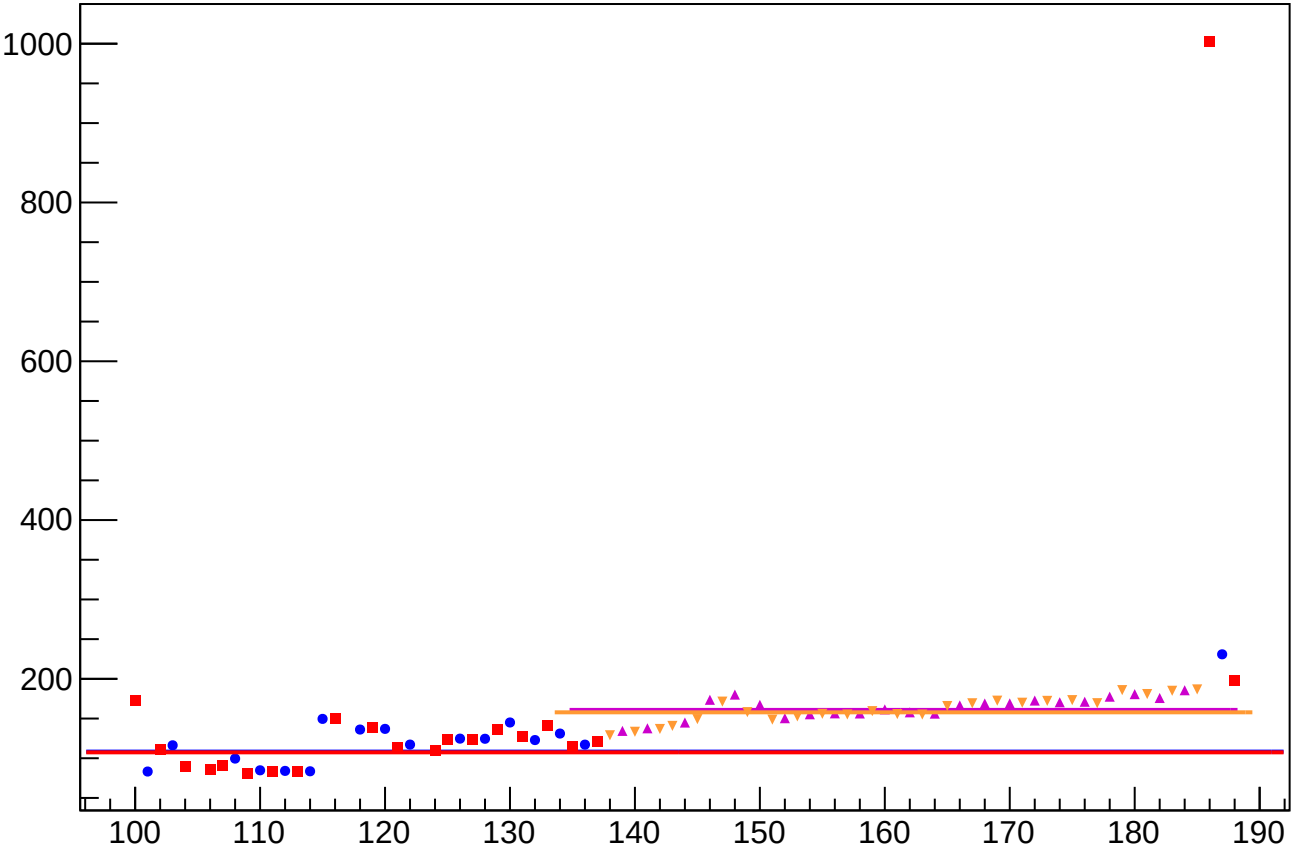
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 138.891+/-27.021 χ^2/NDF: 105.1/41

All: -7.201+/-19.038 χ^2/NDF: 244.7/85

- sign -151.229+/-26.829 χ^2/NDF: 81.5/43

reg_asym_sam6_rms vs Slug



Right In: 108.364+/-0.029 χ^2/NDF: 638654.8/16

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 107.432+/-0.027 χ^2/NDF: 1689433.9/20

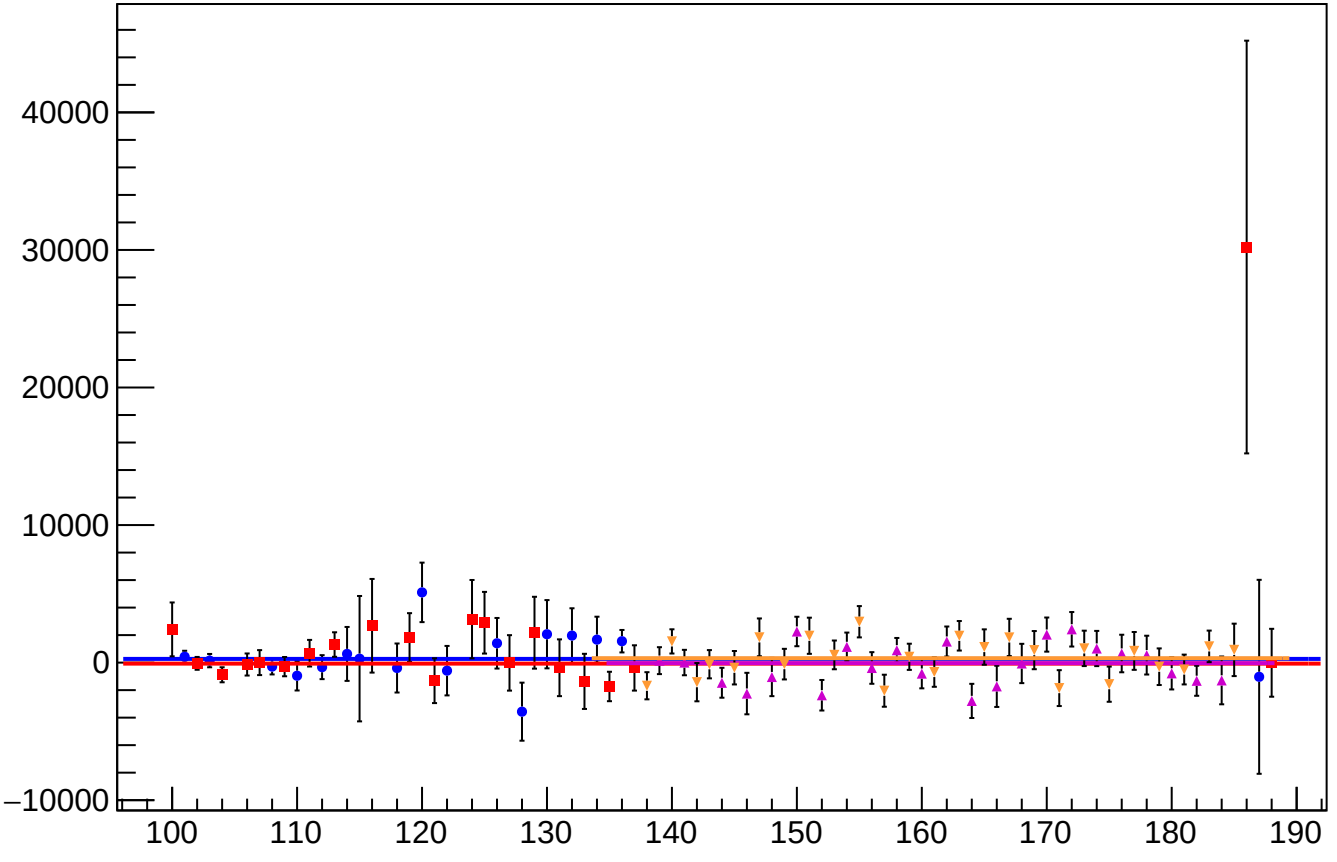
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 136.156+/-0.019 χ^2/NDF: 2666425.3/41

All: 135.301+/-0.013 χ^2/NDF: 6611864.3/85

- sign 134.459+/-0.019 χ^2/NDF: 3941465.0/43

asym_sam6_reg_correction_mean vs Slug



Right In: 270.111+/-230.539 χ^2/NDF: 16.5/16

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -72.298+/-231.107 χ^2/NDF: 20.1/20

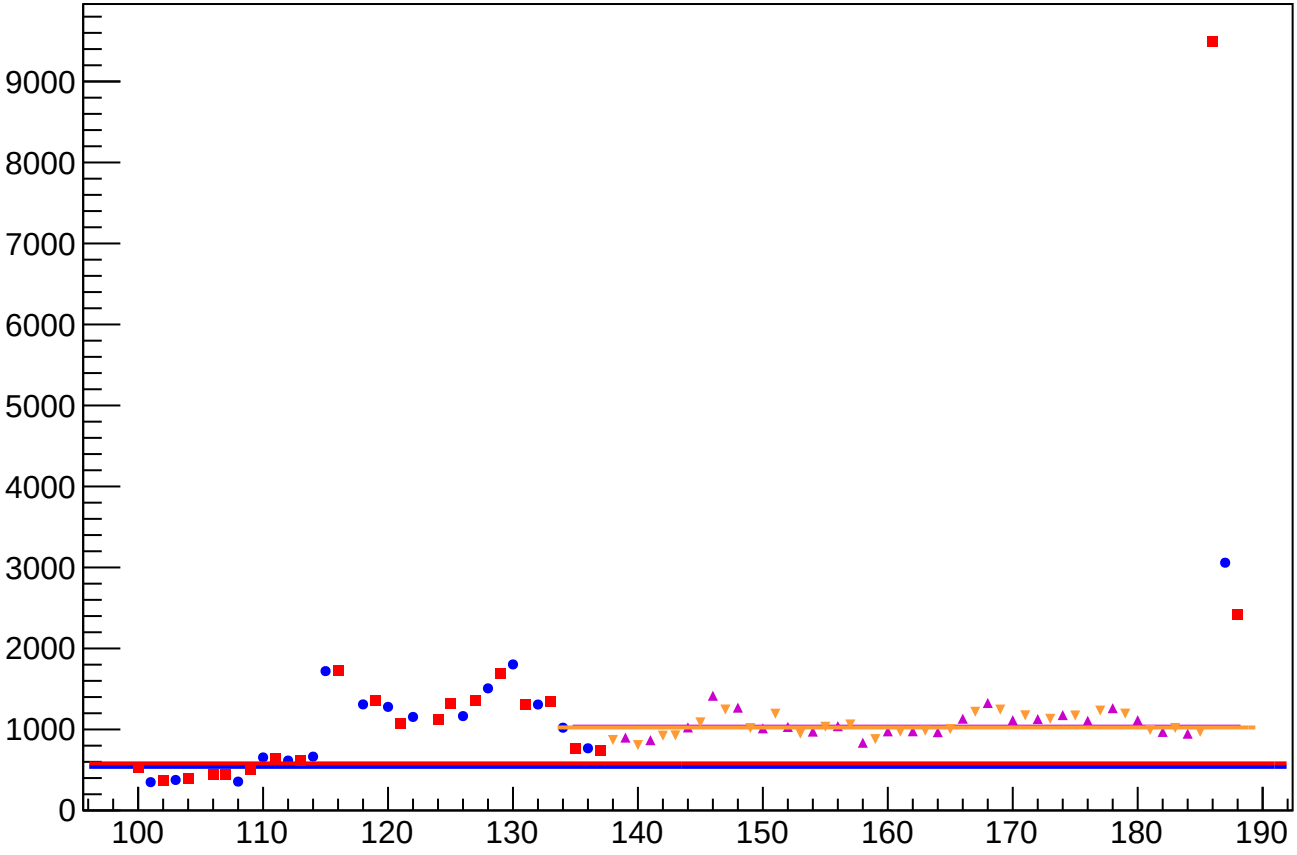
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 294.543+/-164.599 χ^2/NDF: 49.0/41

All: 122.368+/-117.519 χ^2/NDF: 106.2/85

- sign -56.656+/-167.841 χ^2/NDF: 54.9/43

asym_sam6_reg_correction_rms vs Slug



Right In: 538.381+/-0.163 χ^2/NDF: 3888245.7/16

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 581.196+/-0.163 χ^2/NDF: 4931580.3/20

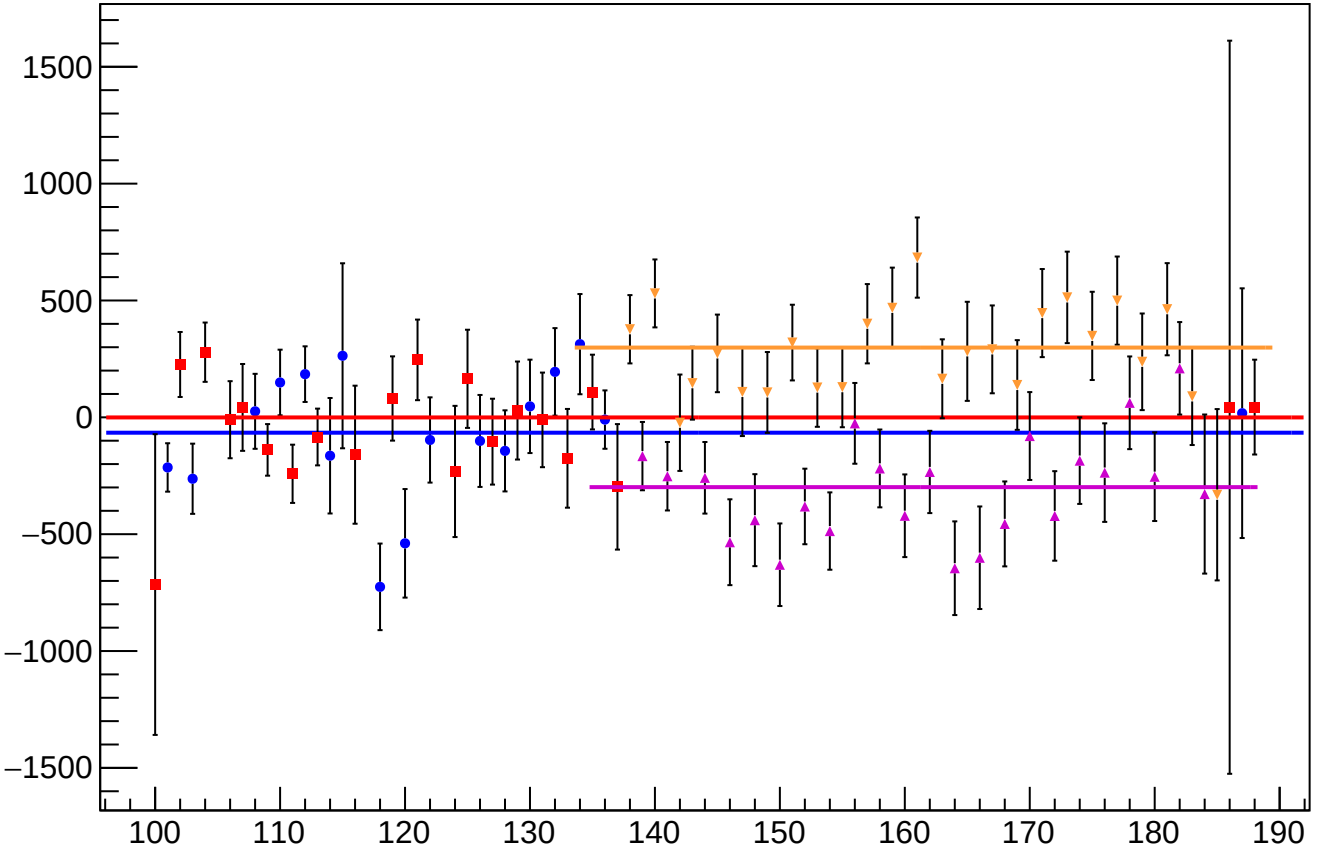
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 776.693+/-0.116 χ^2/NDF: 8845235.1/41

All: 785.852+/-0.083 χ^2/NDF: 18052941.6/85

- sign 795.376+/-0.119 χ^2/NDF: 9195073.3/43

cor_asym_sam6_mean vs Slug



Right In: -65.765+/-40.817 χ^2/NDF: 34.4/16

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -0.407+/-38.227 χ^2/NDF: 21.2/20

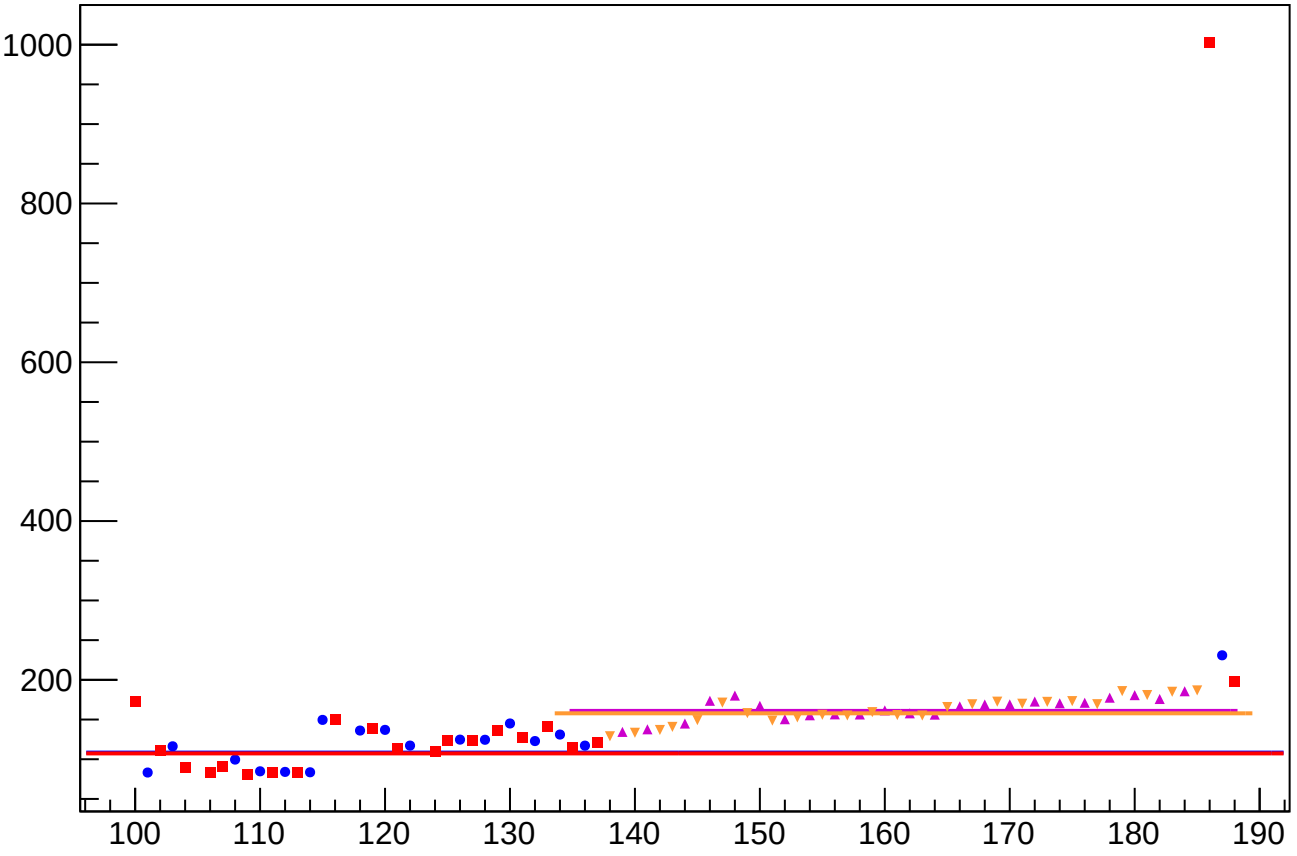
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 138.880+/-27.021 χ^2/NDF: 105.2/41

All: -7.223+/-19.047 χ^2/NDF: 244.7/85

- sign -151.511+/-26.852 χ^2/NDF: 81.5/43

cor_asym_sam6_rms vs Slug



Right In: 108.364+/-0.029 χ^2/NDF: 638655.8/16

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 107.337+/-0.027 χ^2/NDF: 1697919.3/20

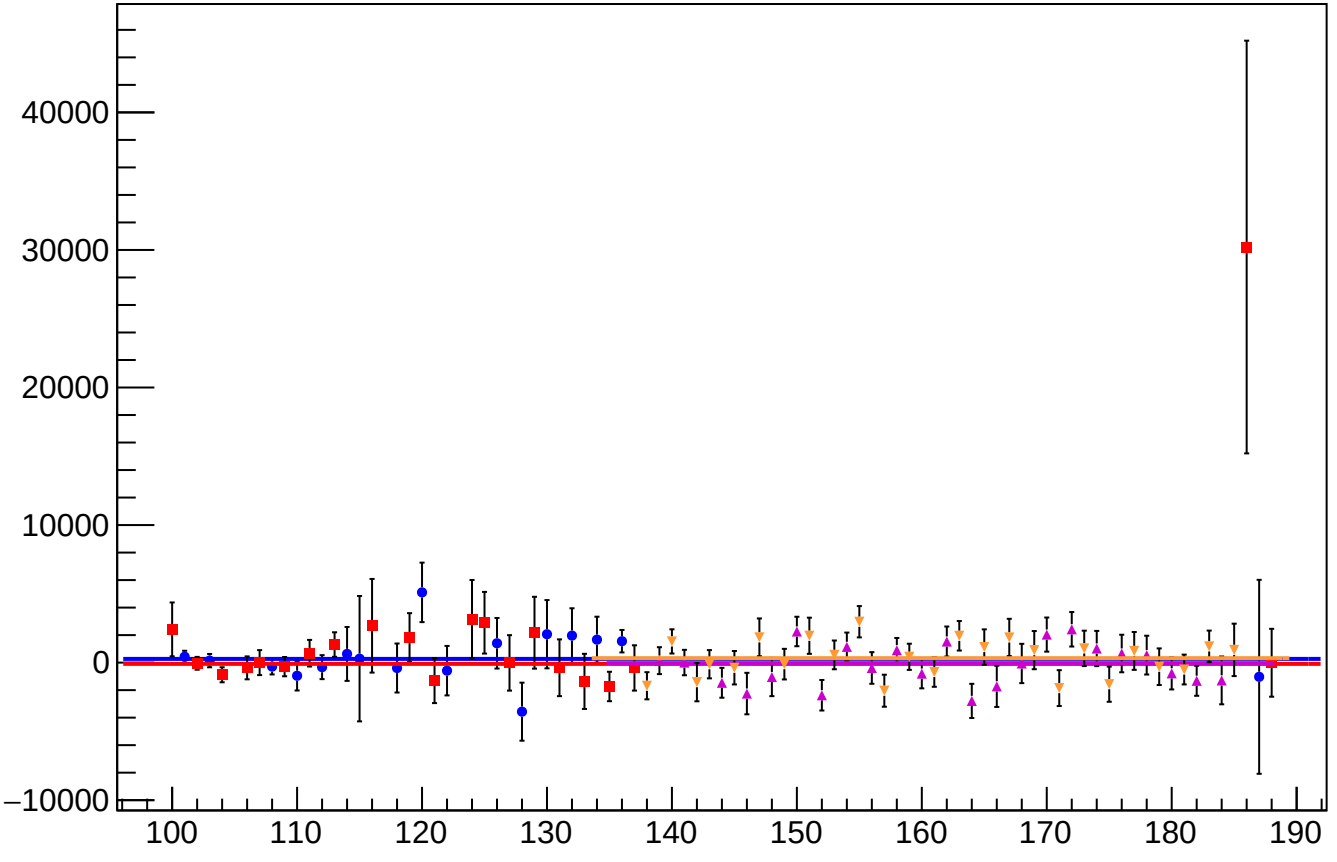
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 136.156+/-0.019 χ^2/NDF: 2666422.3/41

All: 135.302+/-0.013 χ^2/NDF: 6623865.5/85

- sign 134.459+/-0.019 χ^2/NDF: 3953471.6/43

asym_sam6_cor_correction_mean vs Slug



Right In: 270.251+/-230.532 χ^2/NDF: 16.5/16

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -89.847+/-231.725 χ^2/NDF: 20.2/20

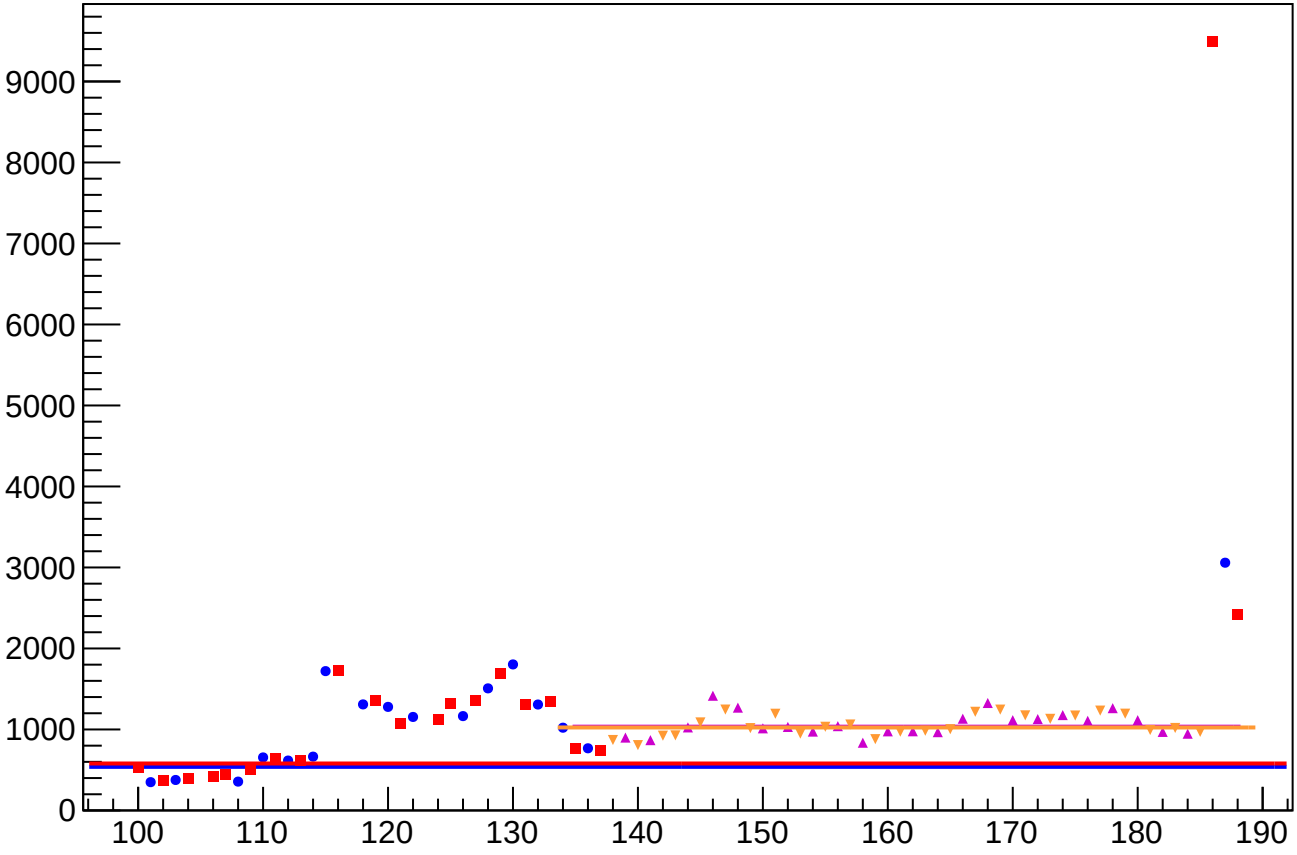
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 294.616+/-164.597 χ^2/NDF: 49.0/41

All: 118.157+/-117.599 χ^2/NDF: 106.4/85

- sign -65.845+/-168.077 χ^2/NDF: 55.0/43

asym_sam6_cor_correction_rms vs Slug



Right In: 538.359+/-0.163 χ^2/NDF: 3888450.6/16

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 579.733+/-0.164 χ^2/NDF: 4953388.0/20

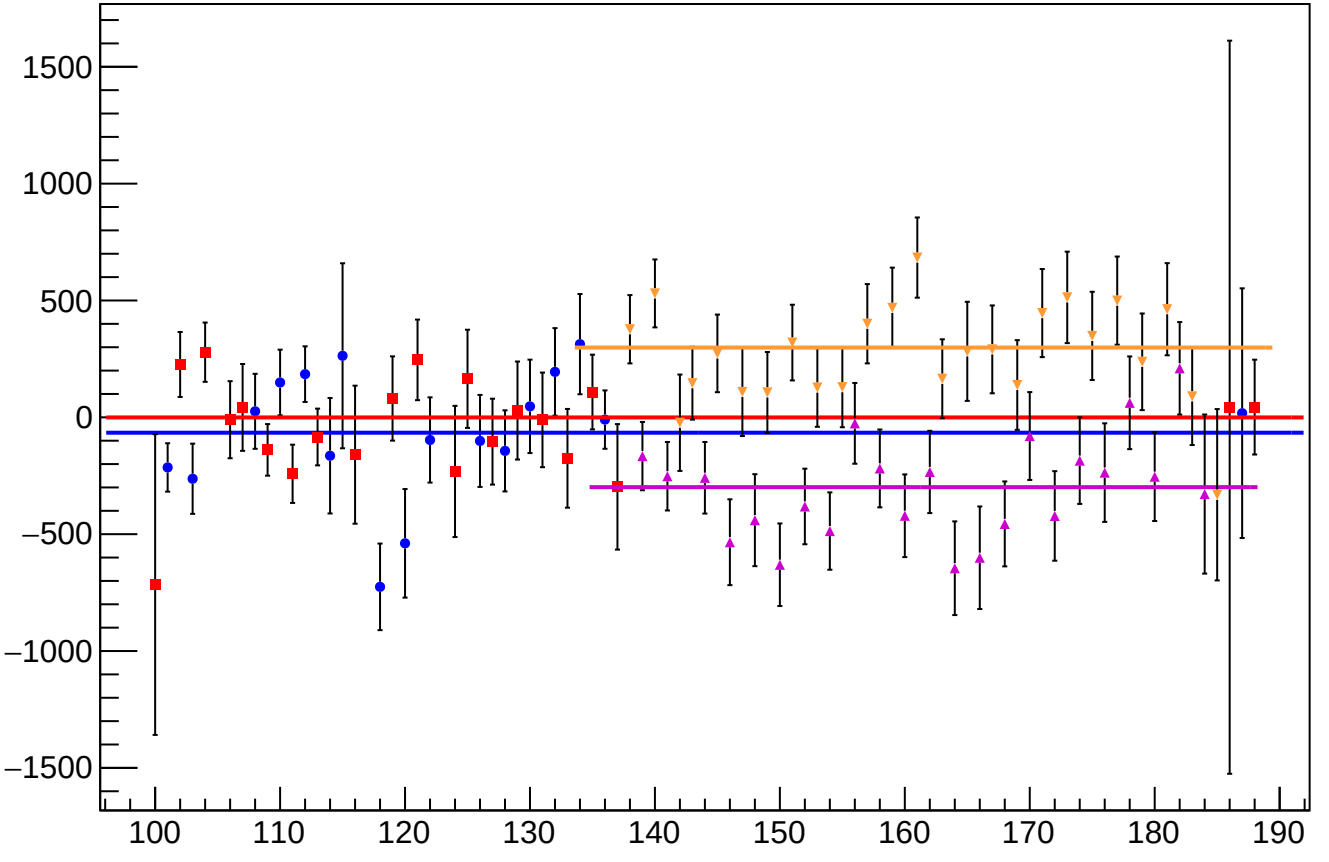
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 776.674+/-0.116 χ^2/NDF: 8845964.9/41

All: 785.748+/-0.083 χ^2/NDF: 18089524.1/85

- sign 795.211+/-0.119 χ^2/NDF: 9231141.9/43

eigen_cor_asym_sam6_mean vs Slug



Right In: -65.765+/-40.817 χ^2/NDF: 34.4/16

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -0.407+/-38.227 χ^2/NDF: 21.2/20

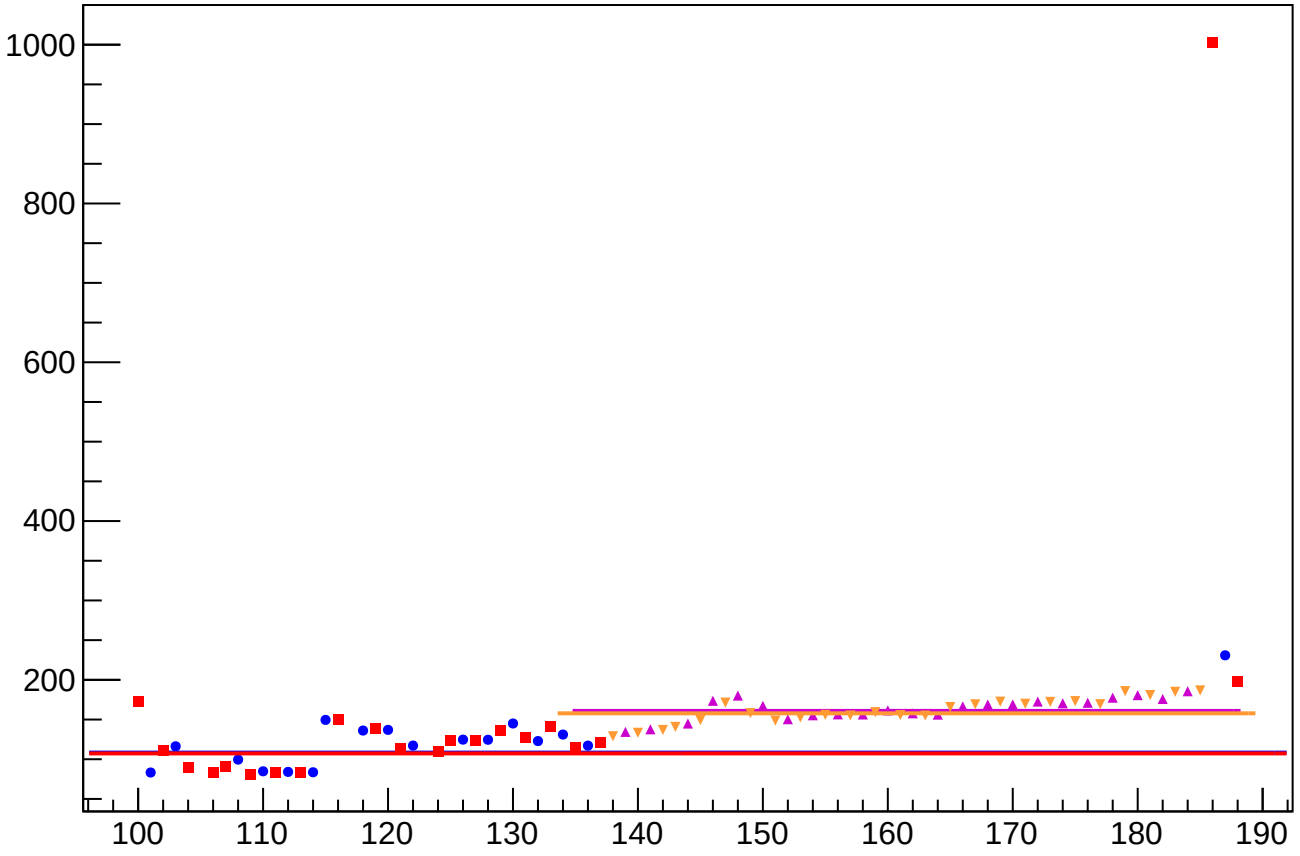
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 138.880+/-27.021 χ^2/NDF: 105.2/41

All: -7.223+/-19.047 χ^2/NDF: 244.7/85

- sign -151.511+/-26.852 χ^2/NDF: 81.5/43

eigen_cor_asym_sam6_rms vs Slug



Right In: 108.364+/-0.029 χ^2/NDF: 638655.8/16

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 107.337+/-0.027 χ^2/NDF: 1697919.3/20

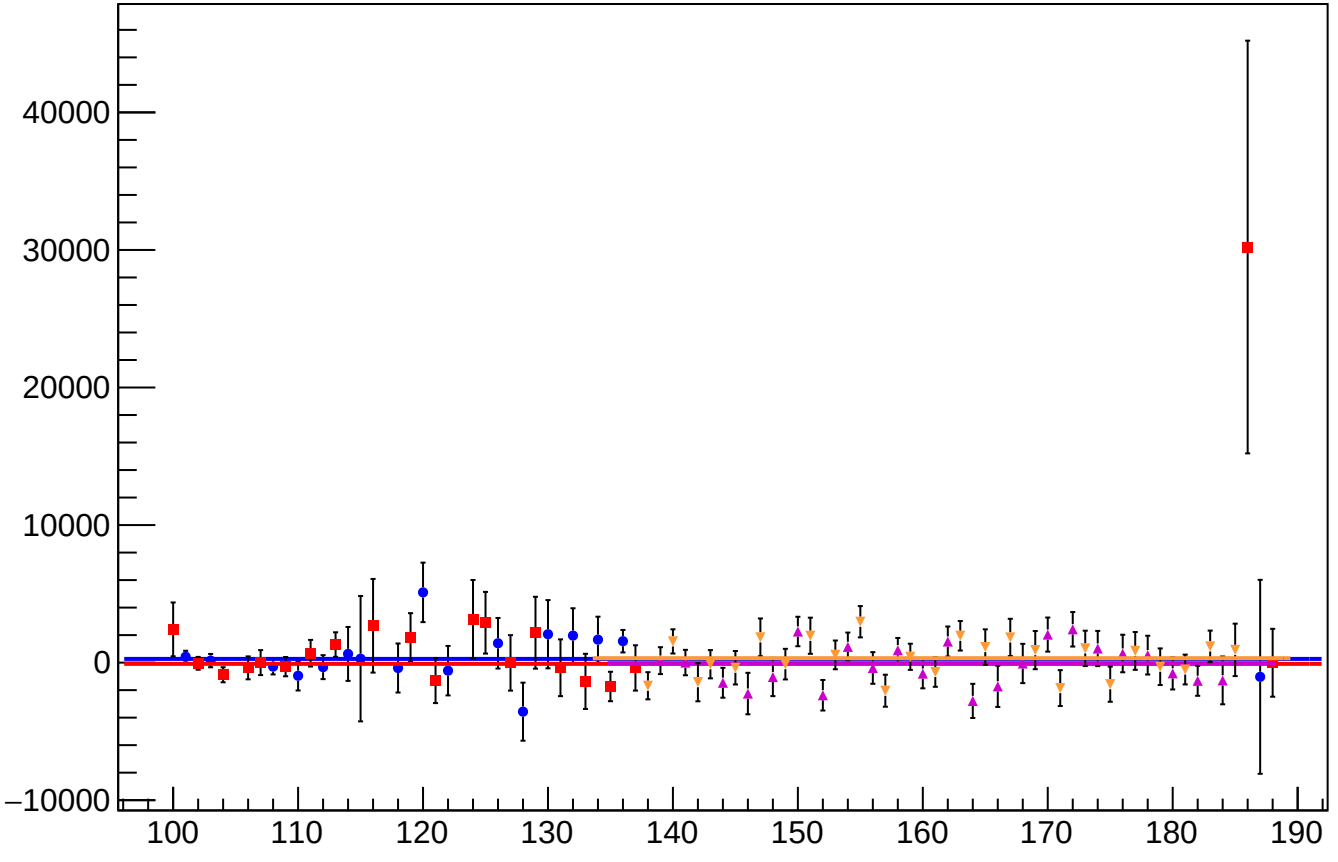
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 136.156+/-0.019 χ^2/NDF: 2666422.3/41

All: 135.302+/-0.013 χ^2/NDF: 6623865.5/85

- sign 134.459+/-0.019 χ^2/NDF: 3953471.6/43

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 270.251+/-230.532 χ^2/NDF: 16.5/16

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -89.847+/-231.725 χ^2/NDF: 20.2/20

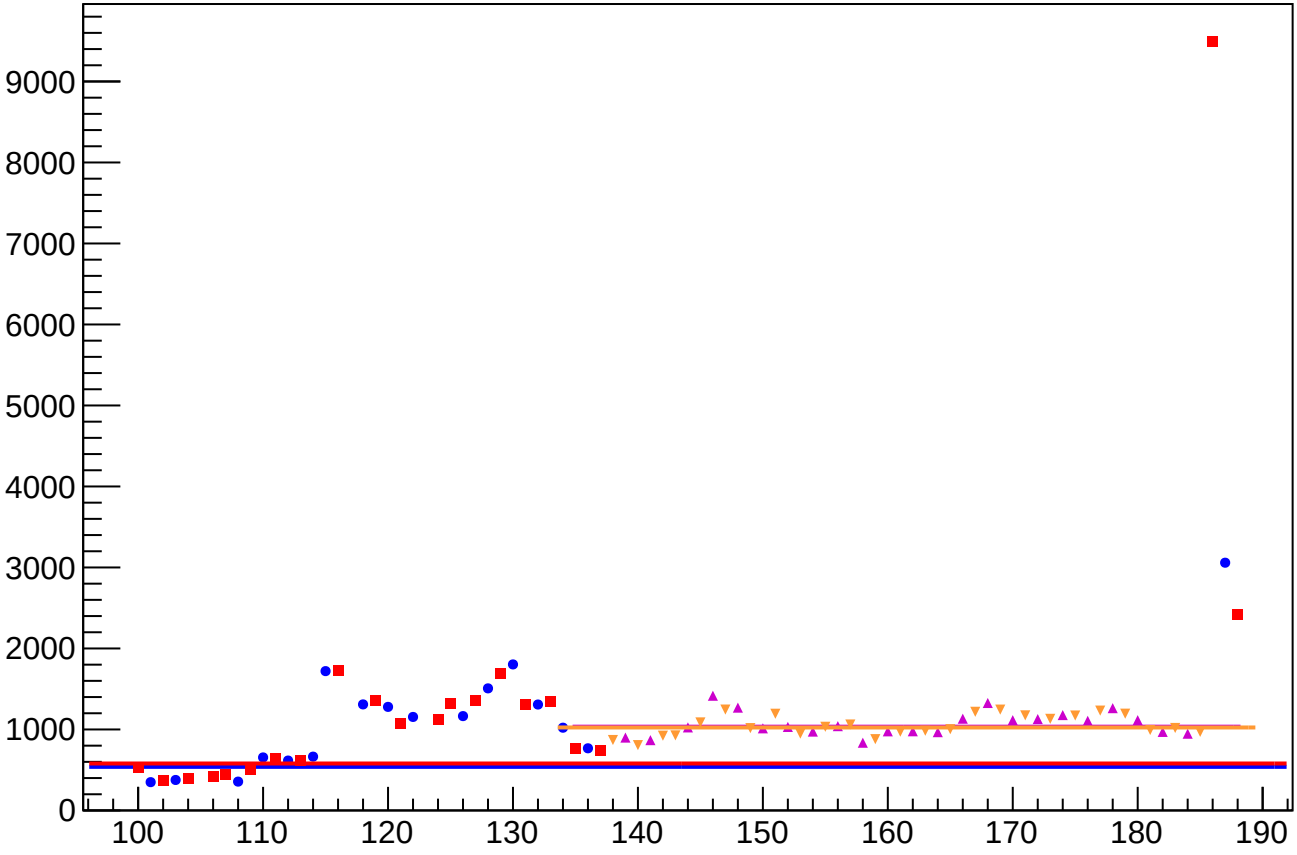
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 294.616+/-164.597 χ^2/NDF: 49.0/41

All: 118.157+/-117.599 χ^2/NDF: 106.4/85

- sign -65.845+/-168.077 χ^2/NDF: 55.0/43

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 538.359+/-0.163 χ^2/NDF: 3888450.6/16

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 579.733+/-0.164 χ^2/NDF: 4953388.0/20

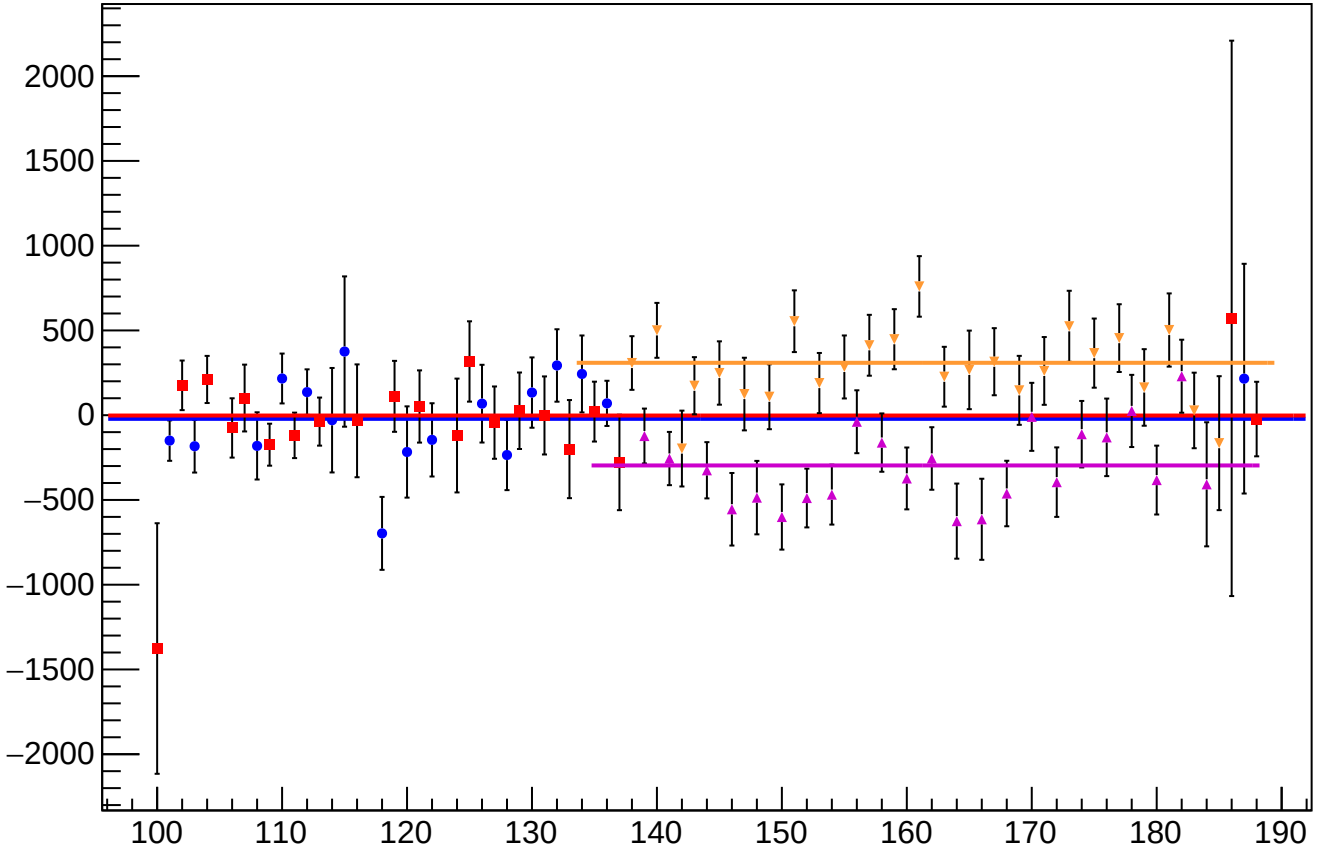
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 776.674+/-0.116 χ^2/NDF: 8845964.9/41

All: 785.748+/-0.083 χ^2/NDF: 18089524.1/85

- sign 795.211+/-0.119 χ^2/NDF: 9231141.9/43

dit_asym_sam6_mean vs Slug



Right In: -21.590+/-45.803 χ^2/NDF: 24.3/16

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -2.011+/-42.718 χ^2/NDF: 14.4/20

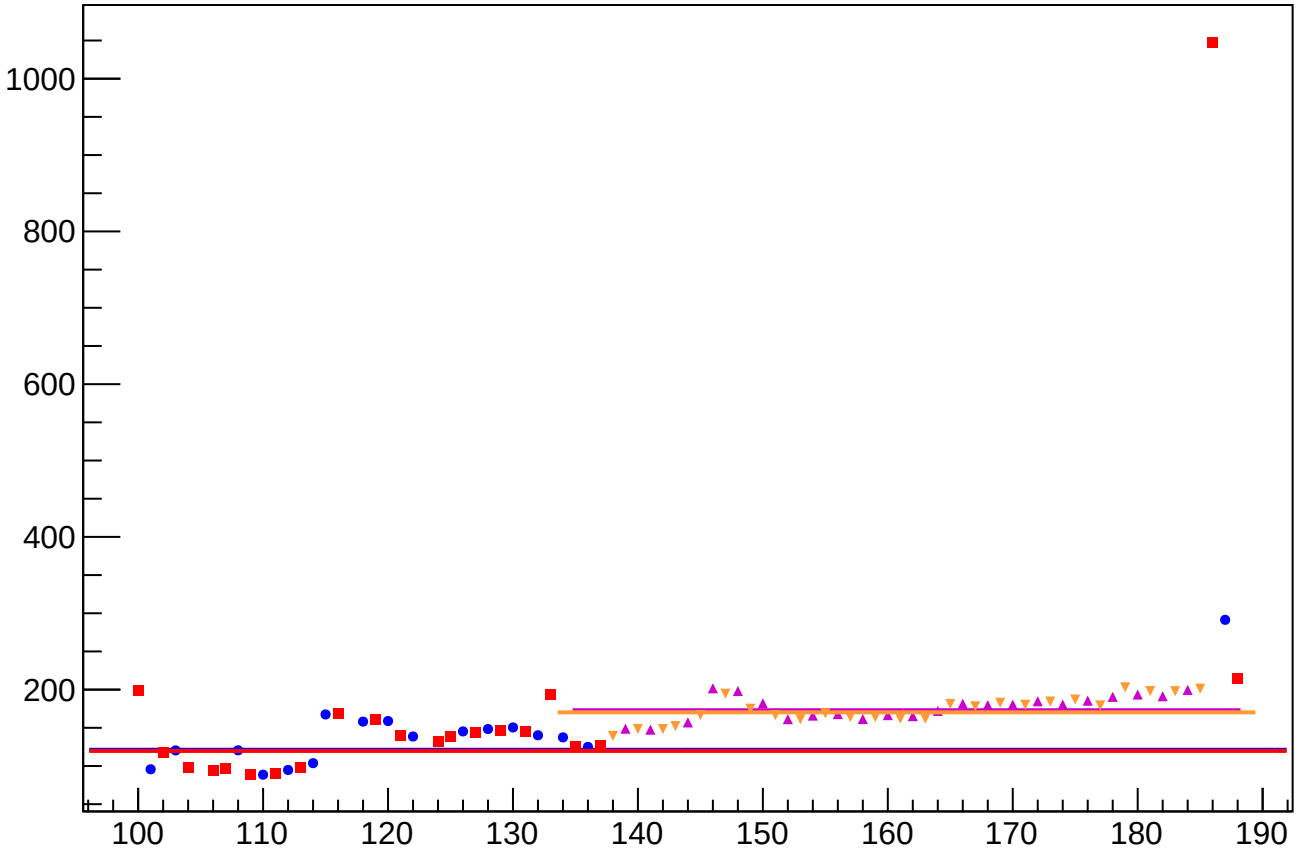
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 170.486+/-29.650 χ^2/NDF: 80.1/41

All: 5.676+/-20.888 χ^2/NDF: 208.7/85

- sign -156.710+/-29.431 χ^2/NDF: 67.2/43

dit_asym_sam6_rms vs Slug



Right In: 121.240+/-0.032 χ^2/NDF: 657063.5/16

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 119.741+/-0.030 χ^2/NDF: 1801888.6/20

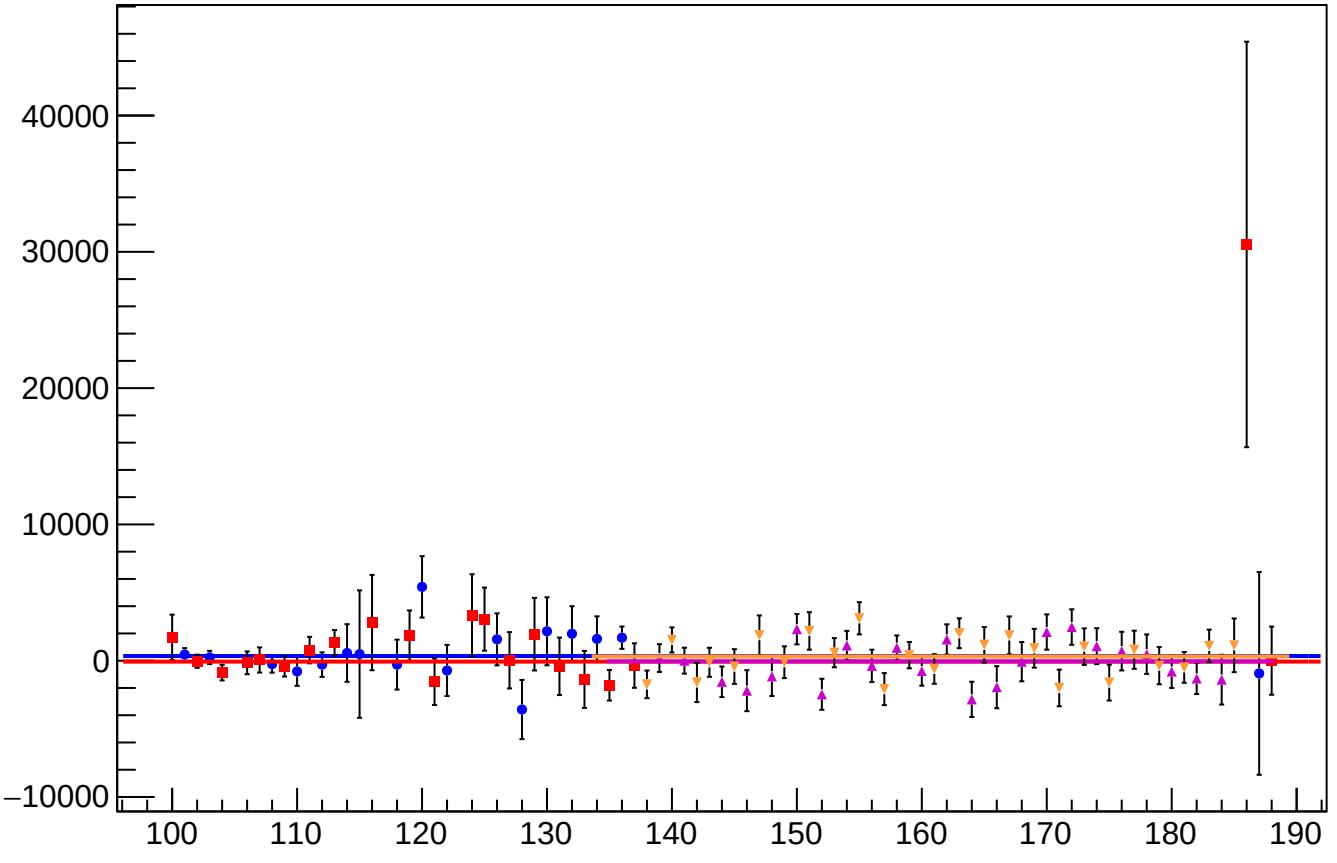
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 149.707+/-0.021 χ^2/NDF: 2353163.1/41

All: 148.712+/-0.015 χ^2/NDF: 6087799.9/85

- sign 147.732+/-0.021 χ^2/NDF: 3730166.3/43

asym_sam6_dit_correction_mean vs Slug



Right In: 343.091+/-241.404 χ^2/NDF: 16.3/16

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -66.809+/-239.344 χ^2/NDF: 19.5/20

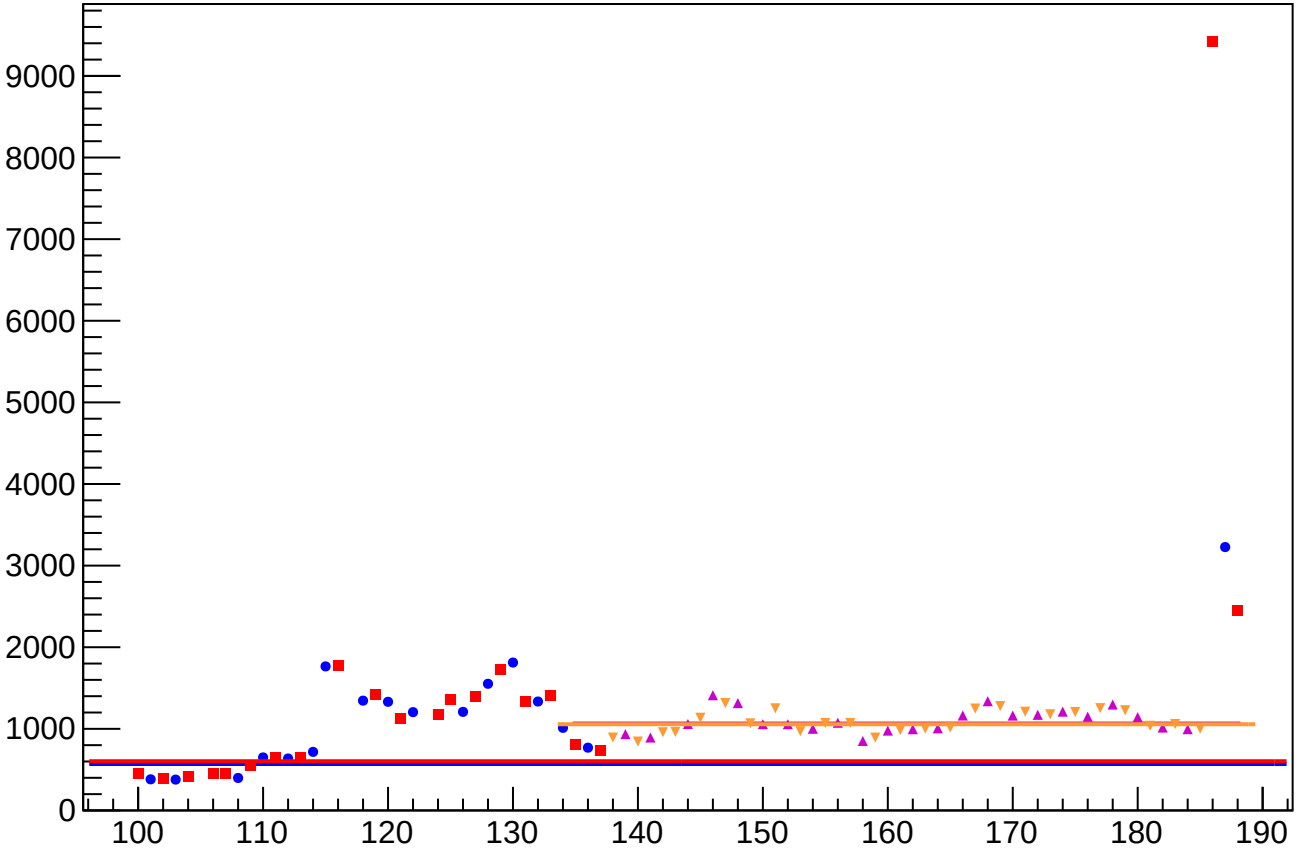
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 328.427+/-171.050 χ^2/NDF: 49.2/41

All: 137.985+/-121.738 χ^2/NDF: 105.6/85

- sign -57.495+/-173.298 χ^2/NDF: 53.9/43

asym_sam6_dit_correction_rms vs Slug



Right In: 569.406+/-0.171 χ^2/NDF: 3688050.1/16

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 603.137+/-0.169 χ^2/NDF: 4908402.7/20

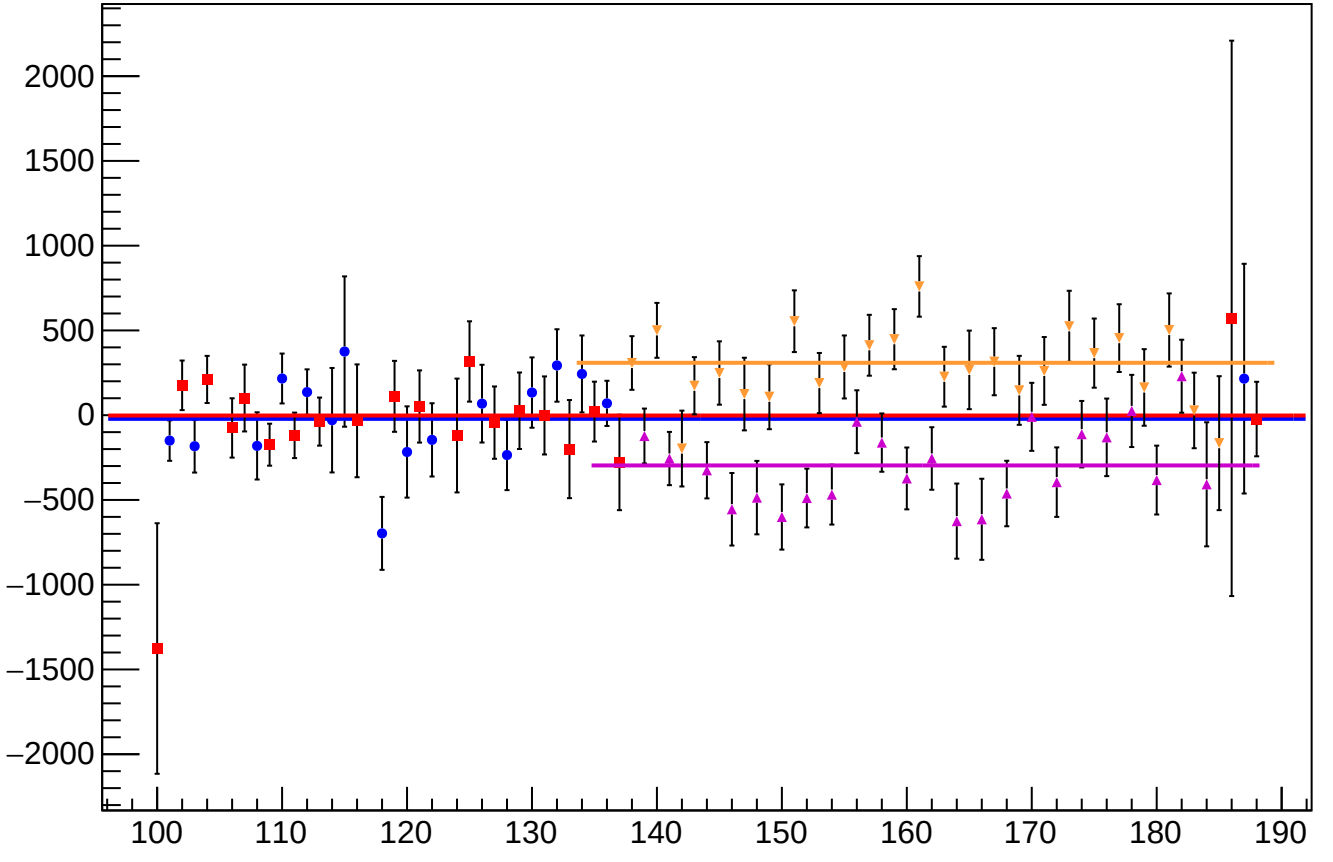
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 811.863+/-0.121 χ^2/NDF: 8350430.7/41

All: 817.220+/-0.086 χ^2/NDF: 17412223.0/85

- sign 822.718+/-0.123 χ^2/NDF: 9057817.5/43

eigen_dit_asym_sam6_mean vs Slug



Right In: -21.591+/-45.803 χ^2/NDF: 24.3/16

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -2.012+/-42.718 χ^2/NDF: 14.4/20

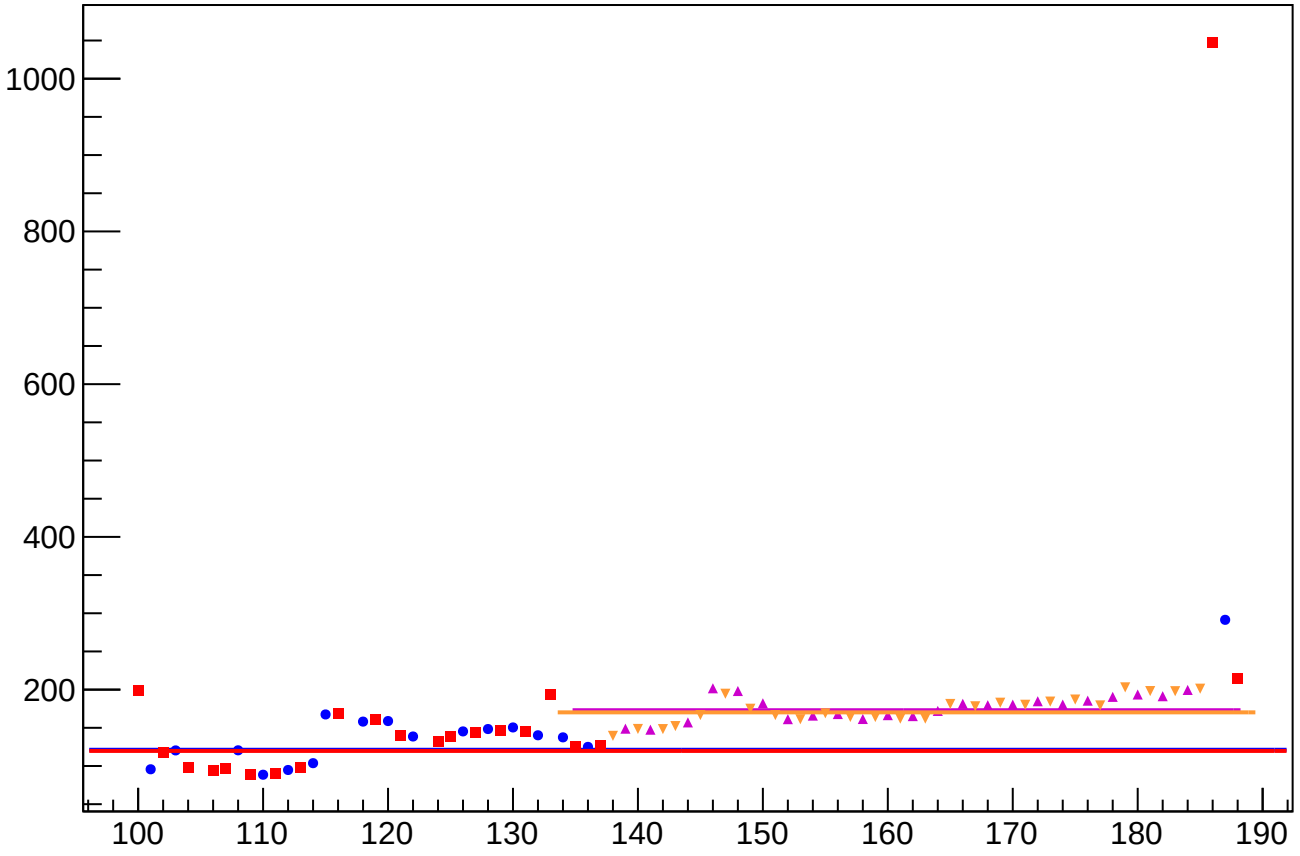
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 170.486+/-29.650 χ^2/NDF: 80.1/41

All: 5.675+/-20.888 χ^2/NDF: 208.7/85

- sign -156.711+/-29.431 χ^2/NDF: 67.2/43

eigen_dit_asym_sam6_rms vs Slug



Right In: 121.239+/-0.032 χ^2/NDF: 657066.3/16

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 119.741+/-0.030 χ^2/NDF: 1801884.6/20

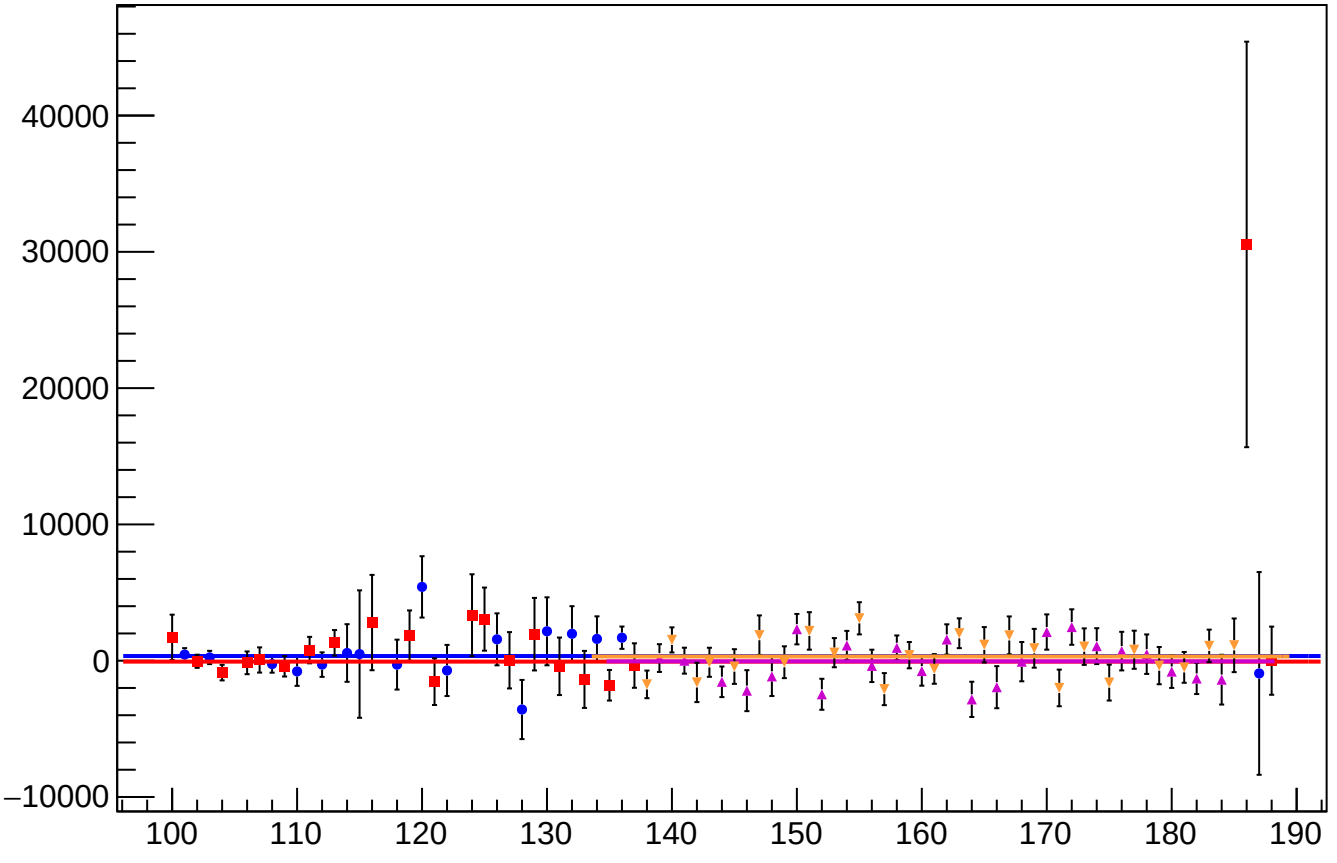
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 149.706+/-0.021 χ^2/NDF: 2353174.6/41

All: 148.712+/-0.015 χ^2/NDF: 6087814.3/85

- sign 147.731+/-0.021 χ^2/NDF: 3730169.4/43

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 343.090+/-241.404 χ^2/NDF: 16.3/16

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -66.810+/-239.344 χ^2/NDF: 19.5/20

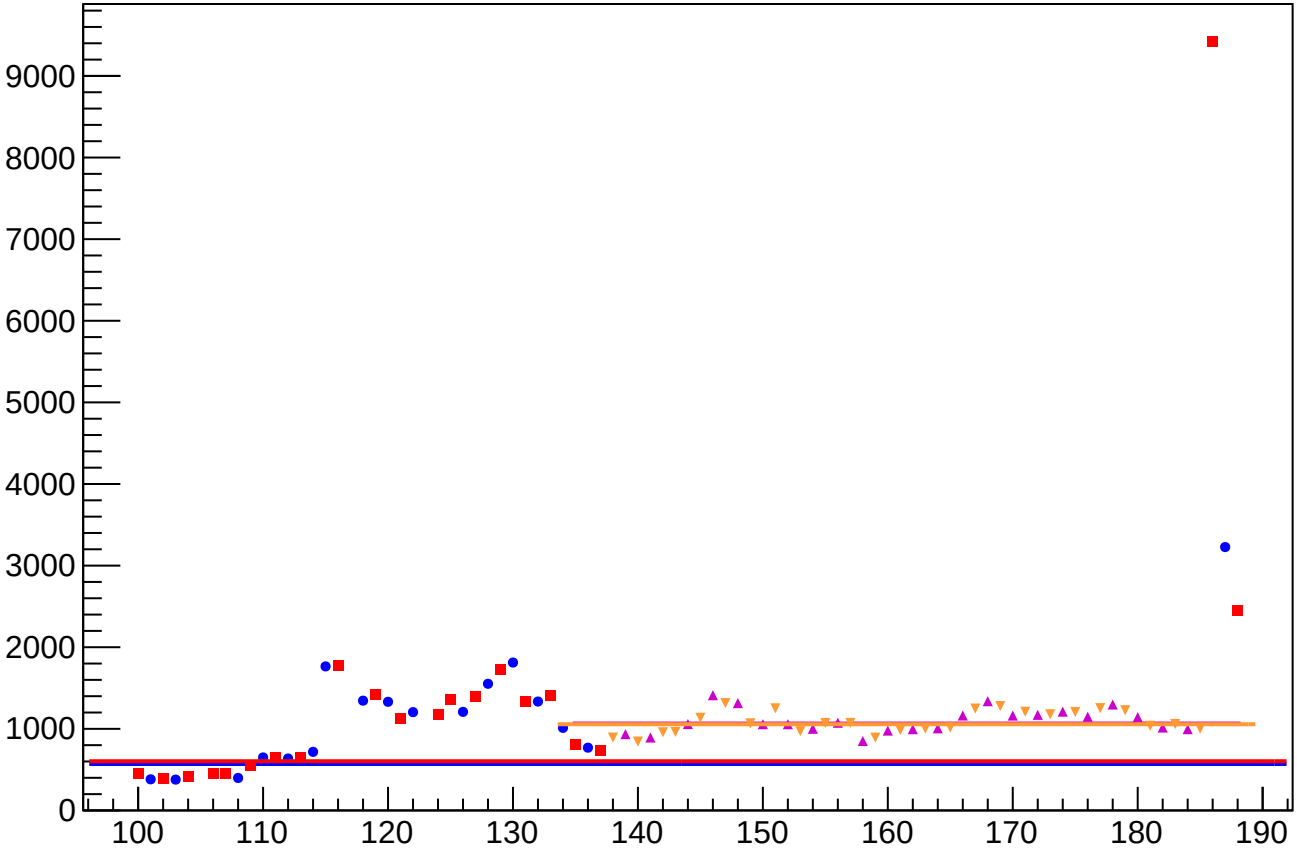
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 328.427+/-171.050 χ^2/NDF: 49.2/41

All: 137.985+/-121.738 χ^2/NDF: 105.6/85

- sign -57.495+/-173.298 χ^2/NDF: 53.9/43

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 569.405+/-0.171 χ^2/NDF: 3688054.7/16

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 603.137+/-0.169 χ^2/NDF: 4908403.1/20

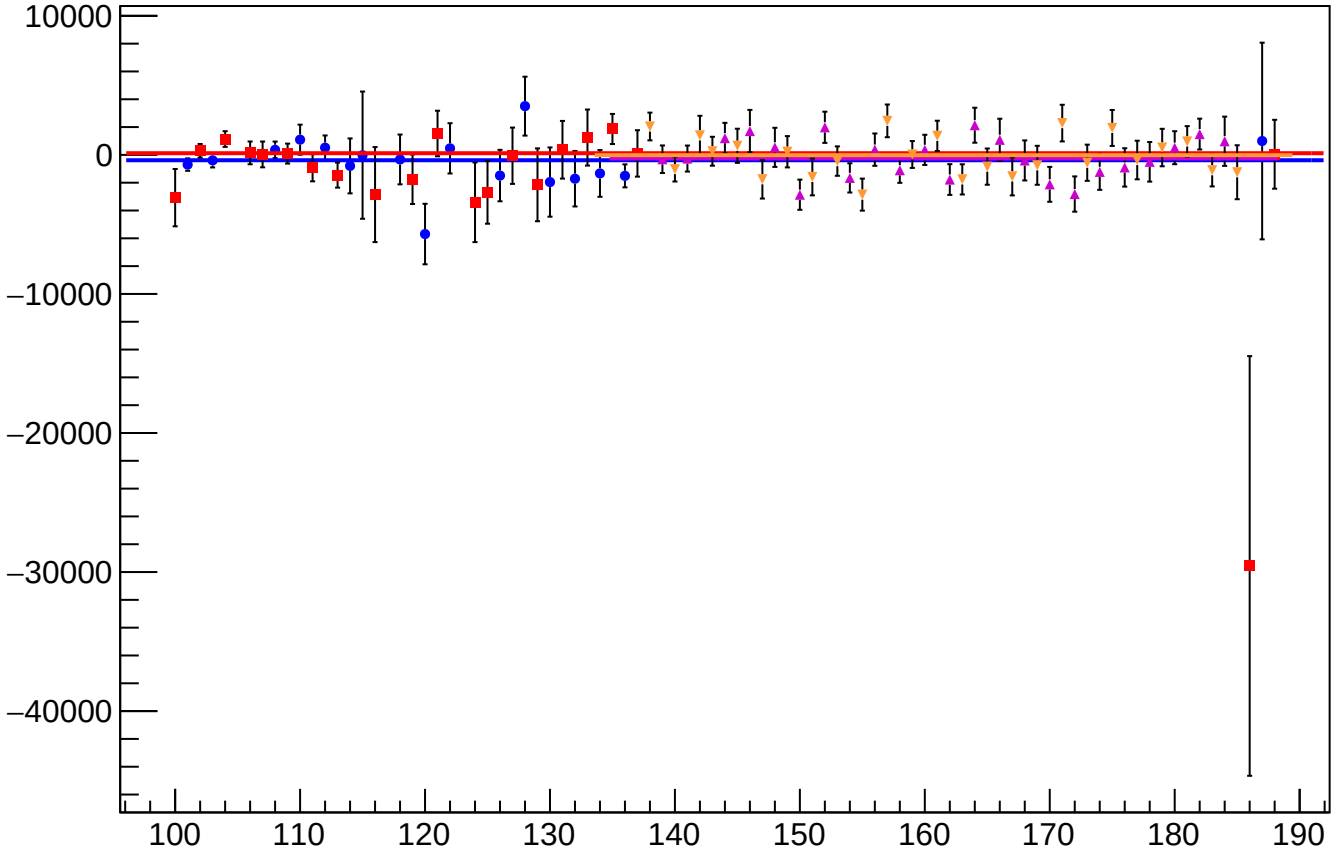
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 811.862+/-0.121 χ^2/NDF: 8350459.8/41

All: 817.219+/-0.086 χ^2/NDF: 17412266.4/85

- sign 822.717+/-0.123 χ^2/NDF: 9057831.7/43

asym_sam6_mean vs Slug



Right In: -384.963+/-237.391 χ^2/NDF: 18.0/16

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 120.489+/-237.117 χ^2/NDF: 23.3/20

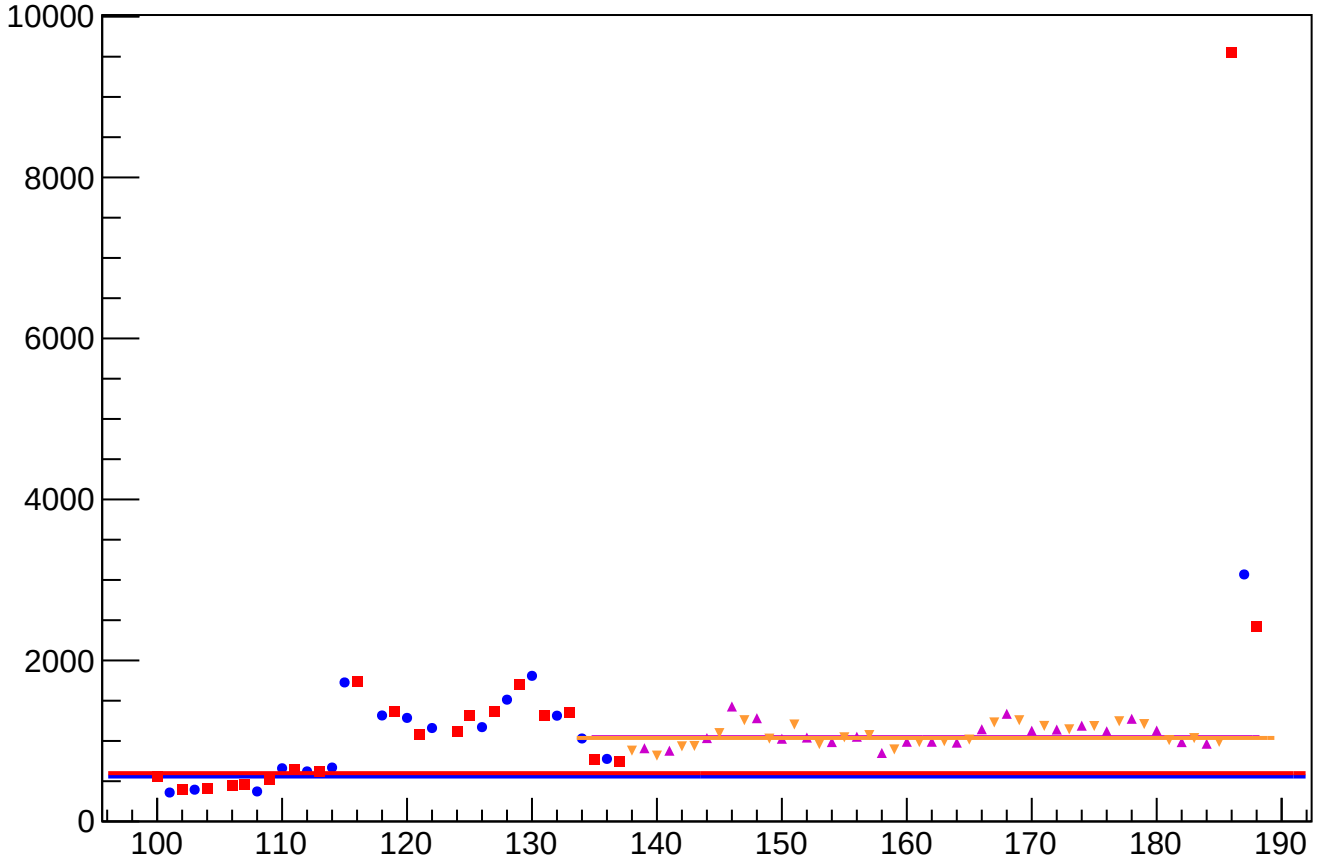
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -203.856+/-168.066 χ^2/NDF: 53.6/41

All: -133.042+/-119.906 χ^2/NDF: 112.0/85

- sign -59.631+/-171.121 χ^2/NDF: 58.0/43

asym_sam6_rms vs Slug



Right In: 558.123+/-0.168 χ^2/NDF: 3734776.6/16

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

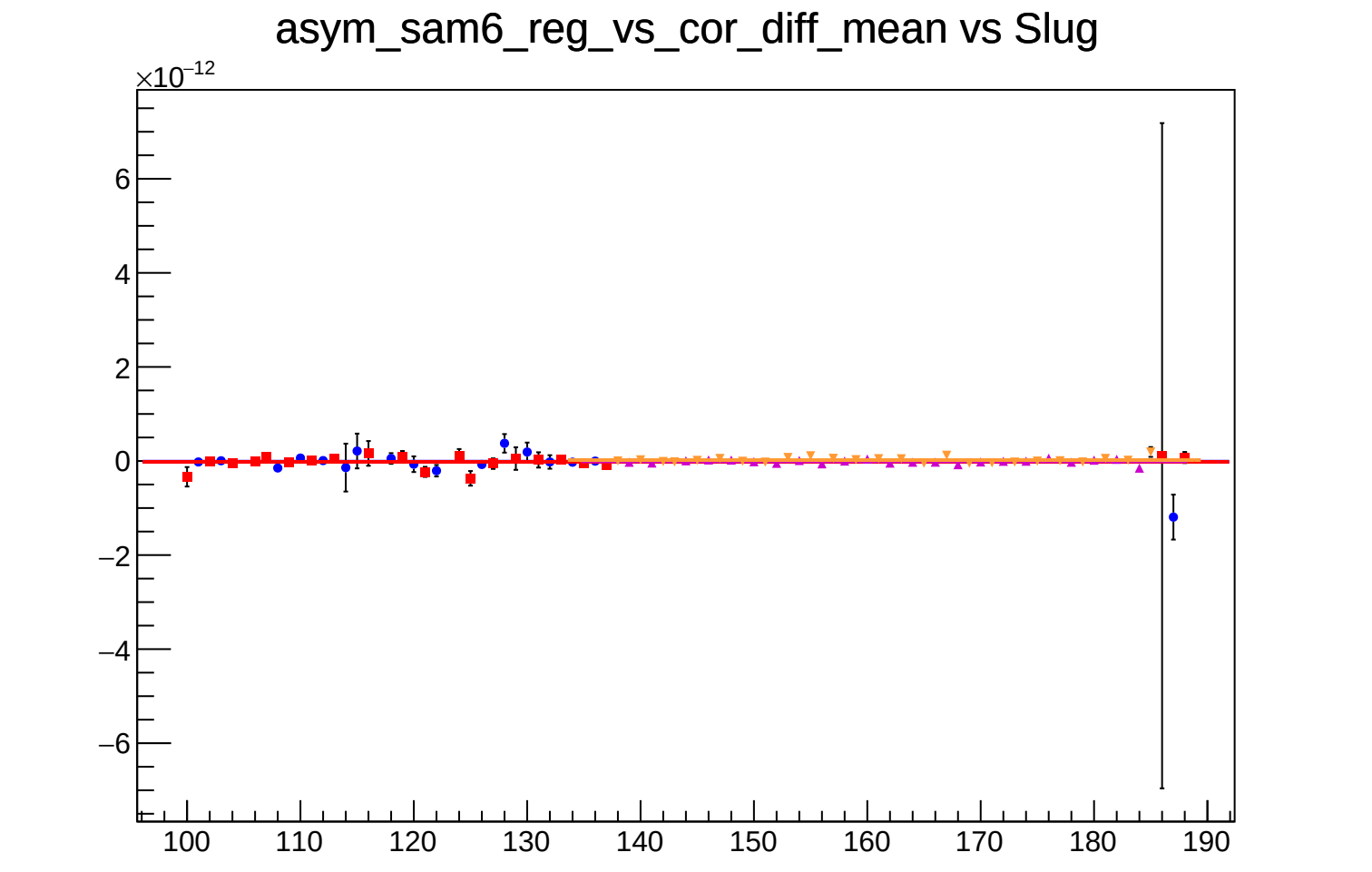
Right Out: 600.090+/-0.168 χ^2/NDF: 4782401.9/20

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 797.138+/-0.119 χ^2/NDF: 8385135.9/41

All: 805.684+/-0.085 χ^2/NDF: 17205481.4/85

- sign 814.544+/-0.121 χ^2/NDF: 8809813.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 22.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

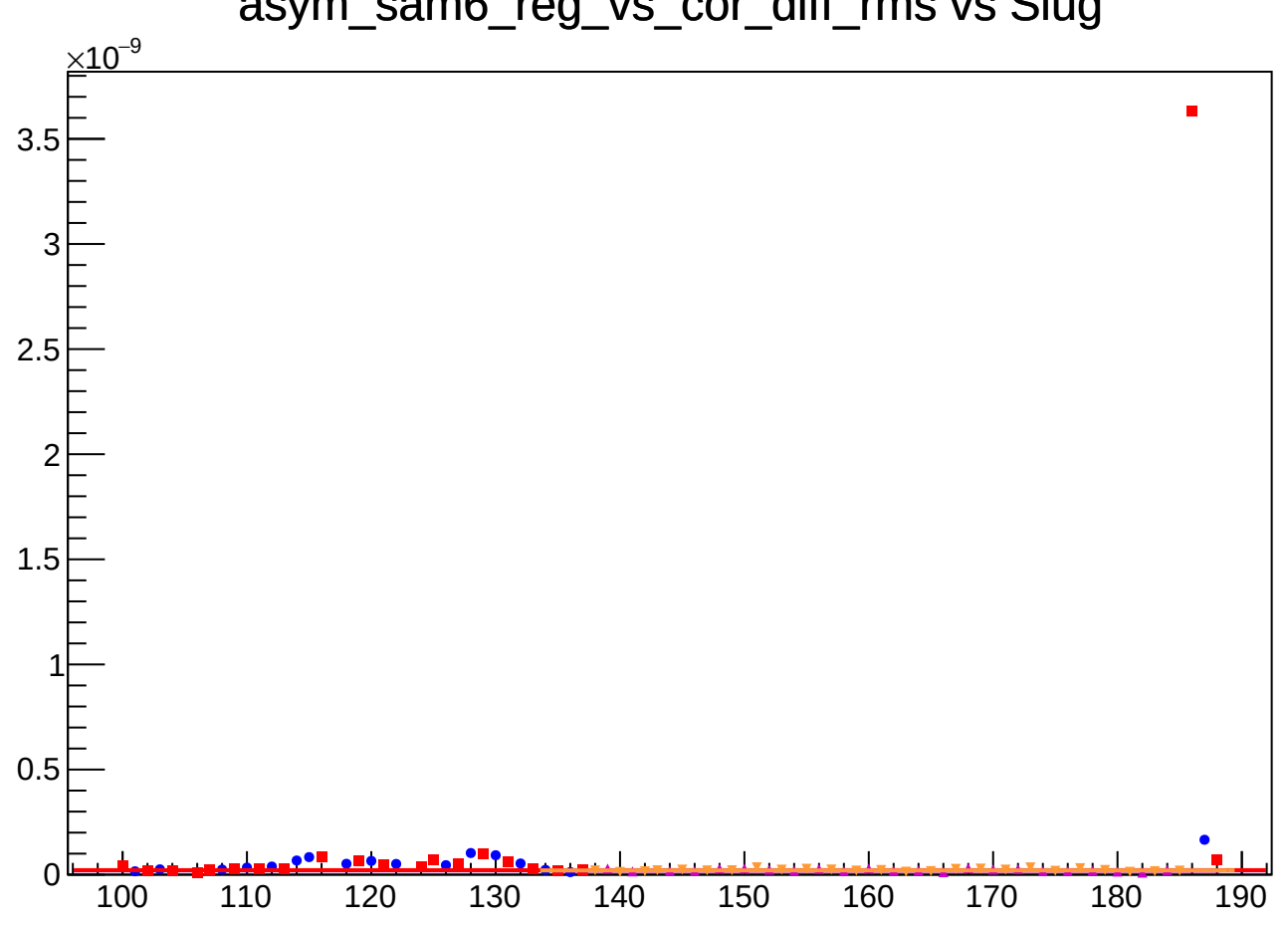
Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/20

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.0/41

All: 0.000+/-0.000 χ^2/NDF: 101.1/85

- sign -0.000+/-0.000 χ^2/NDF: 39.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 2191234.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

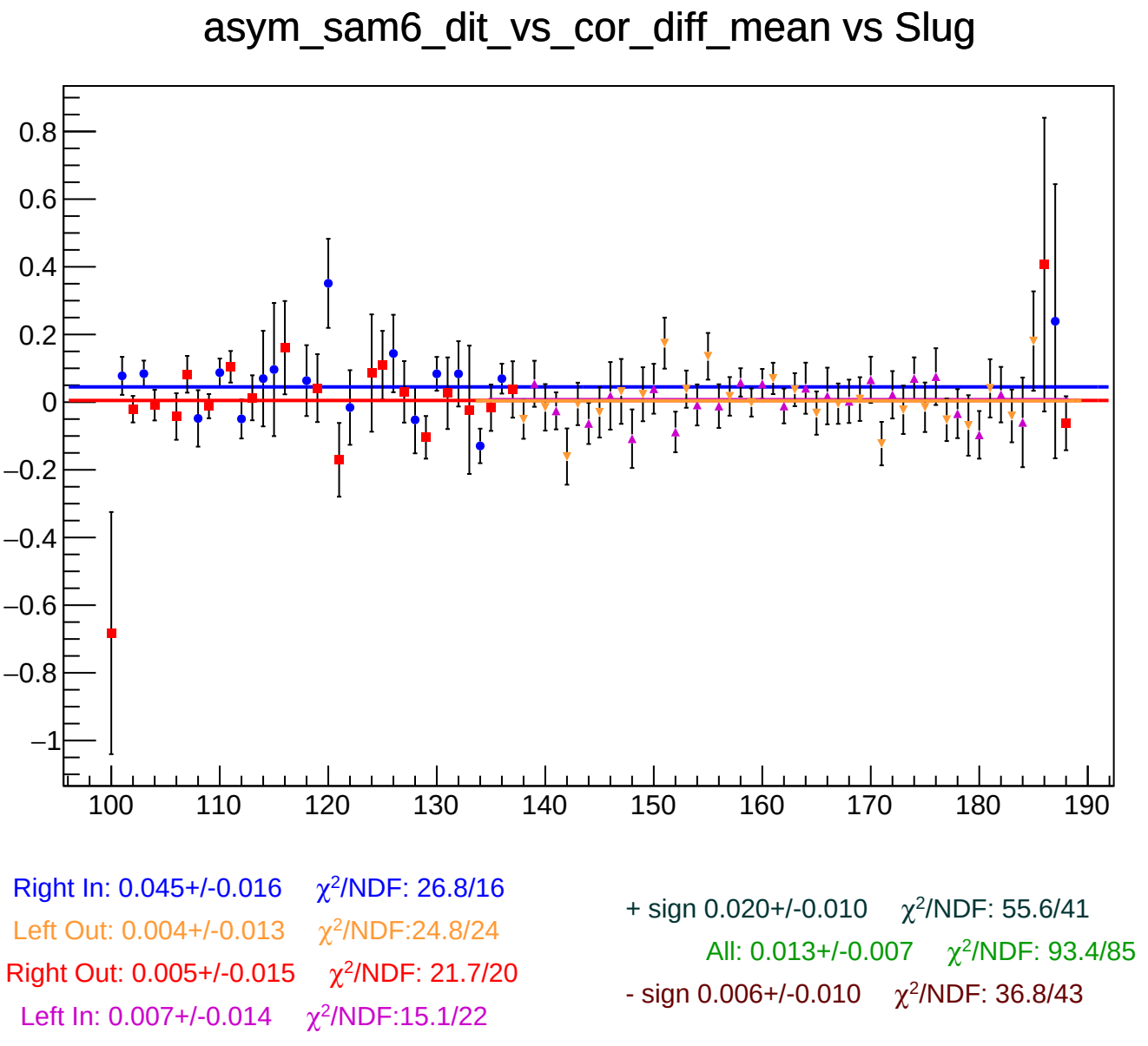
Right Out: 0.000+/-0.000 χ^2/NDF: 2715267.5/20

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

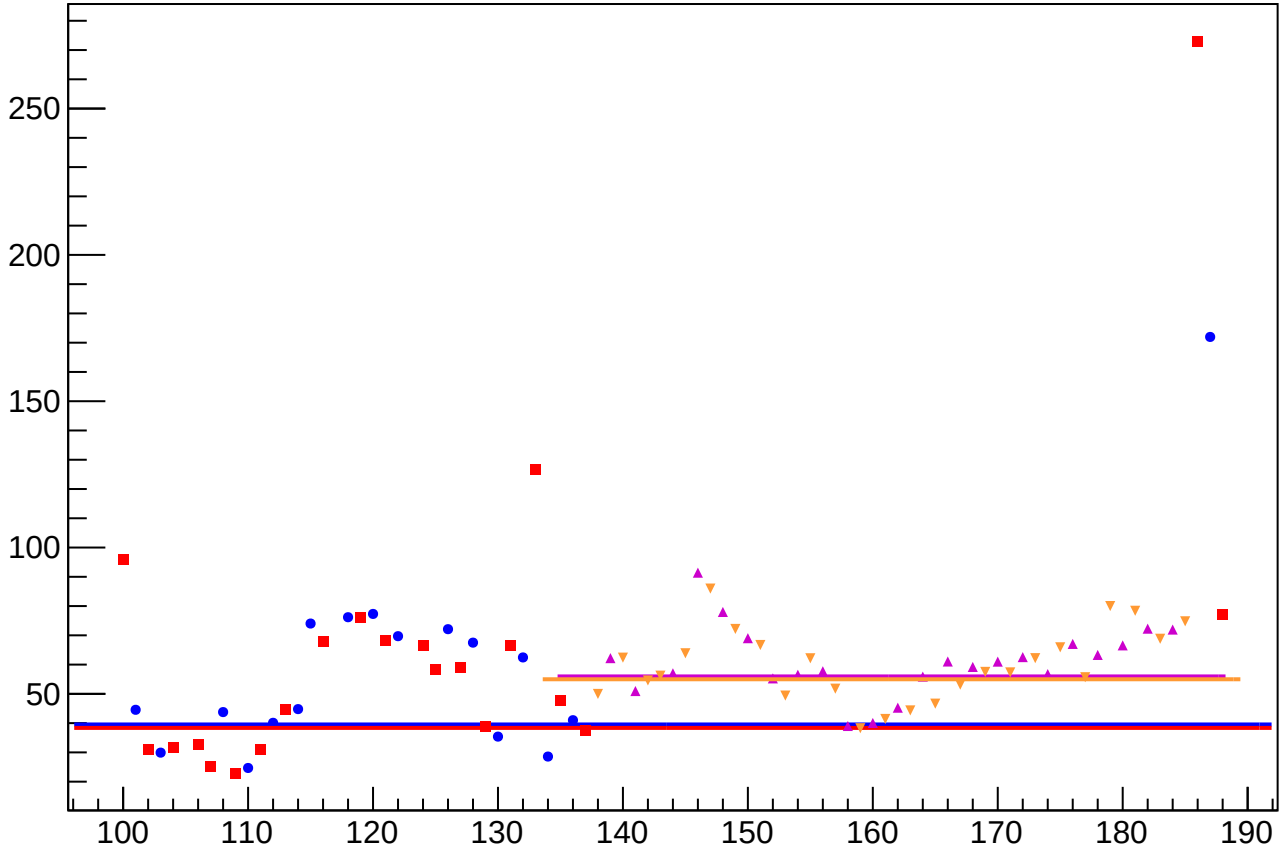
+ sign 0.000+/-0.000 χ^2/NDF: 3185078.6/41

All: 0.000+/-0.000 χ^2/NDF: 6995359.6/85

- sign 0.000+/-0.000 χ^2/NDF: 3805270.0/43


asym_sam6_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.045+/-0.016 χ²/NDF: 26.8/16
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: 0.005+/-0.015 χ²/NDF: 21.7/20
Left In: 0.007+/-0.014 χ²/NDF:15.1/22
+ sign 0.020+/-0.010 χ²/NDF: 55.6/41
All: 0.013+/-0.007 χ²/NDF: 93.4/85
- sign 0.006+/-0.010 χ²/NDF: 36.8/43

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.542+/-0.011 χ^2/NDF: 1780558.3/16

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

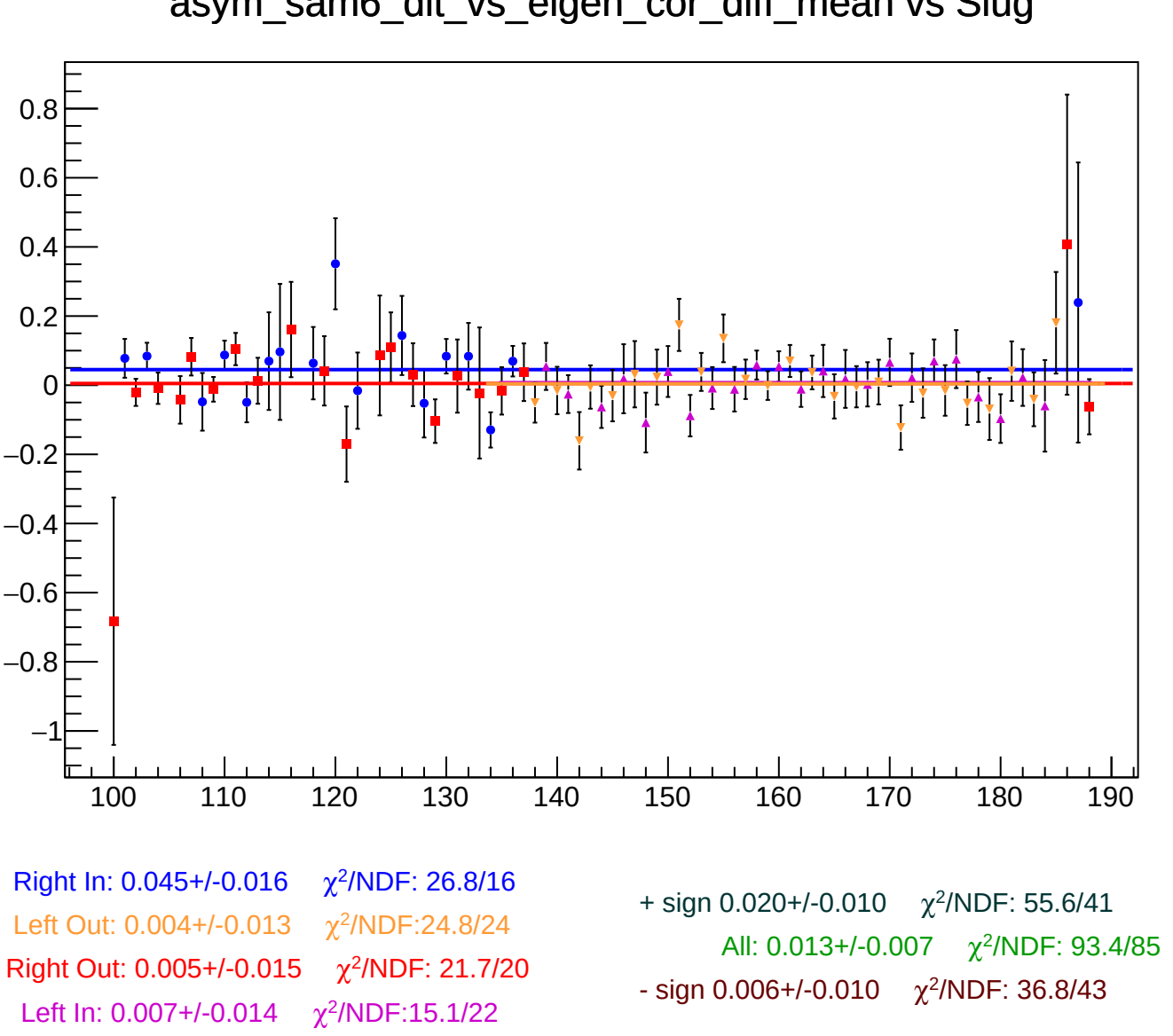
Right Out: 38.368+/-0.010 χ^2/NDF: 3173185.0/20

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

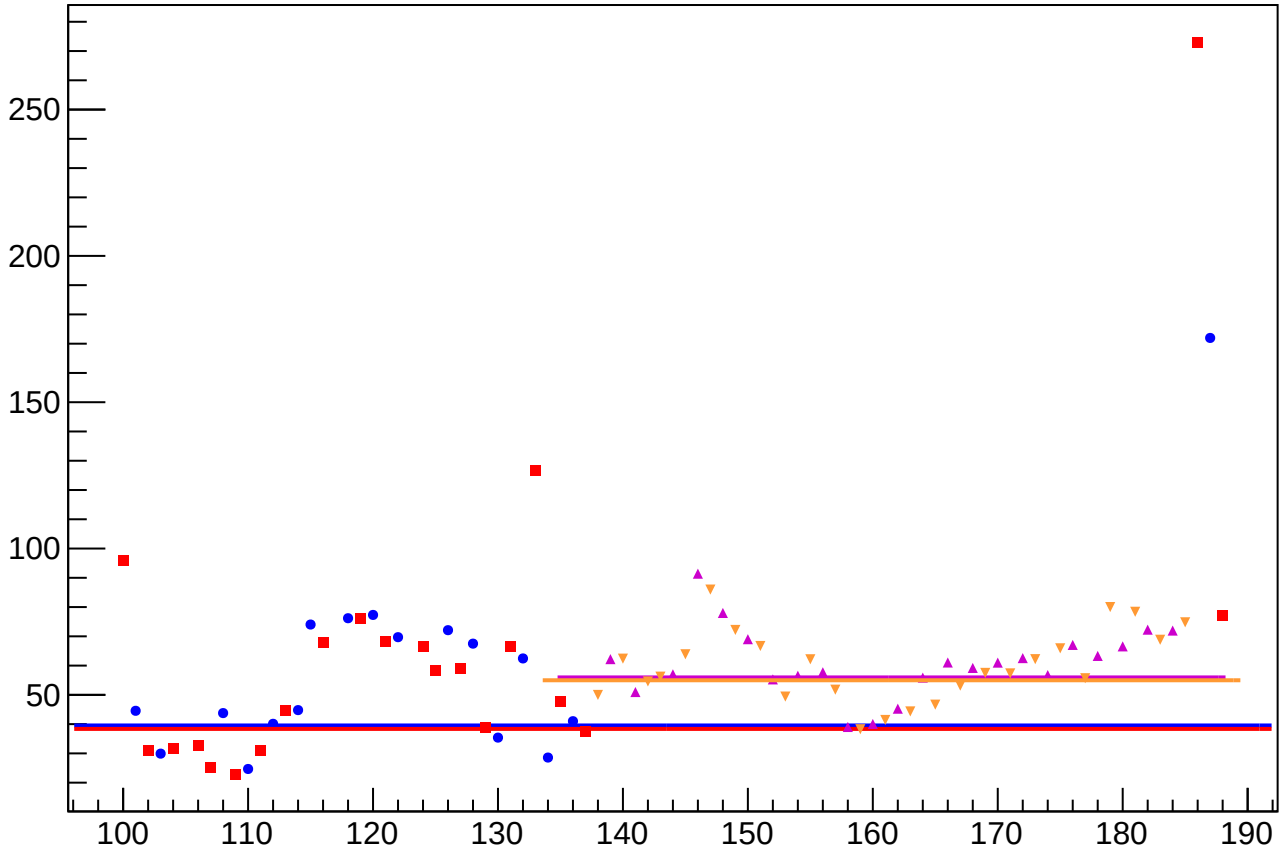
+ sign 48.875+/-0.007 χ^2/NDF: 4472265.7/41

All: 48.424+/-0.005 χ^2/NDF: 10595021.5/85

- sign 47.979+/-0.007 χ^2/NDF: 6114779.4/43


asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.045+/-0.016 χ²/NDF: 26.8/16
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: 0.005+/-0.015 χ²/NDF: 21.7/20
Left In: 0.007+/-0.014 χ²/NDF:15.1/22
+ sign 0.020+/-0.010 χ²/NDF: 55.6/41
All: 0.013+/-0.007 χ²/NDF: 93.4/85
- sign 0.006+/-0.010 χ²/NDF: 36.8/43

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.542+/-0.011 χ^2/NDF: 1780558.3/16

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

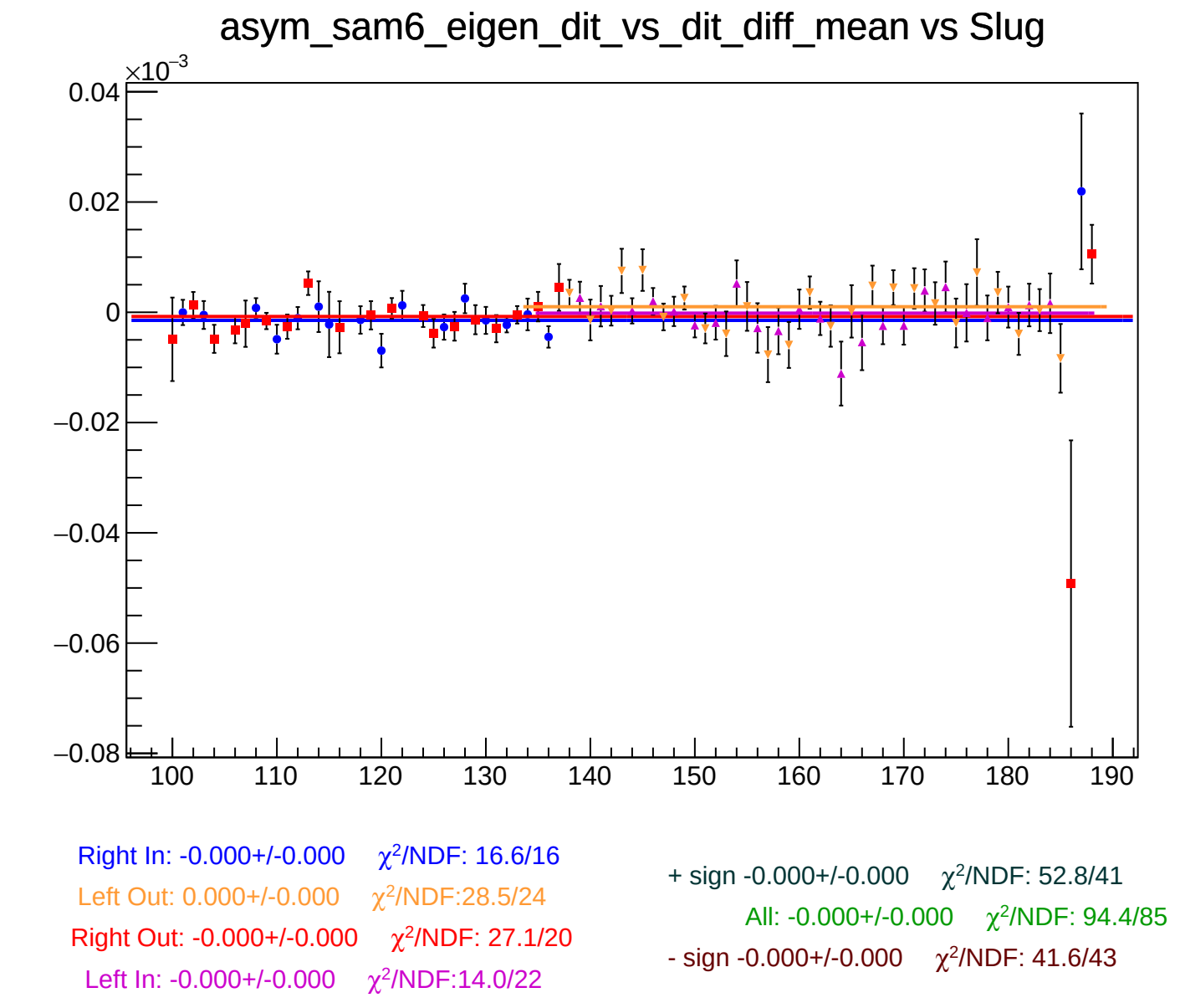
Right Out: 38.368+/-0.010 χ^2/NDF: 3173185.0/20

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

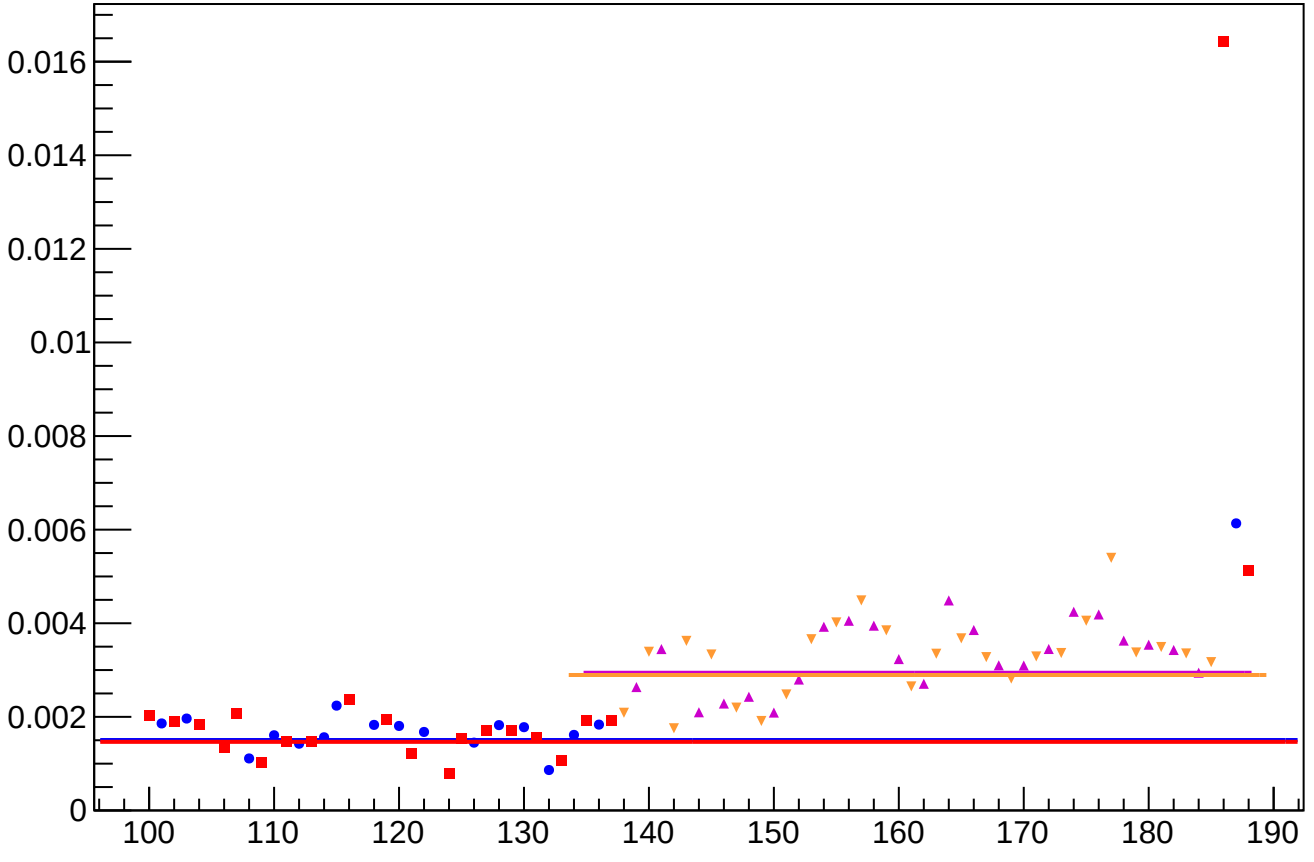
+ sign 48.875+/-0.007 χ^2/NDF: 4472265.7/41

All: 48.424+/-0.005 χ^2/NDF: 10595021.5/85

- sign 47.979+/-0.007 χ^2/NDF: 6114779.4/43


asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 16.6/16
Left Out: 0.000+/-0.000 χ²/NDF:28.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.1/20
Left In: -0.000+/-0.000 χ²/NDF:14.0/22
+ sign -0.000+/-0.000 χ²/NDF: 52.8/41
All: -0.000+/-0.000 χ²/NDF: 94.4/85
- sign -0.000+/-0.000 χ²/NDF: 41.6/43

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1082460.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

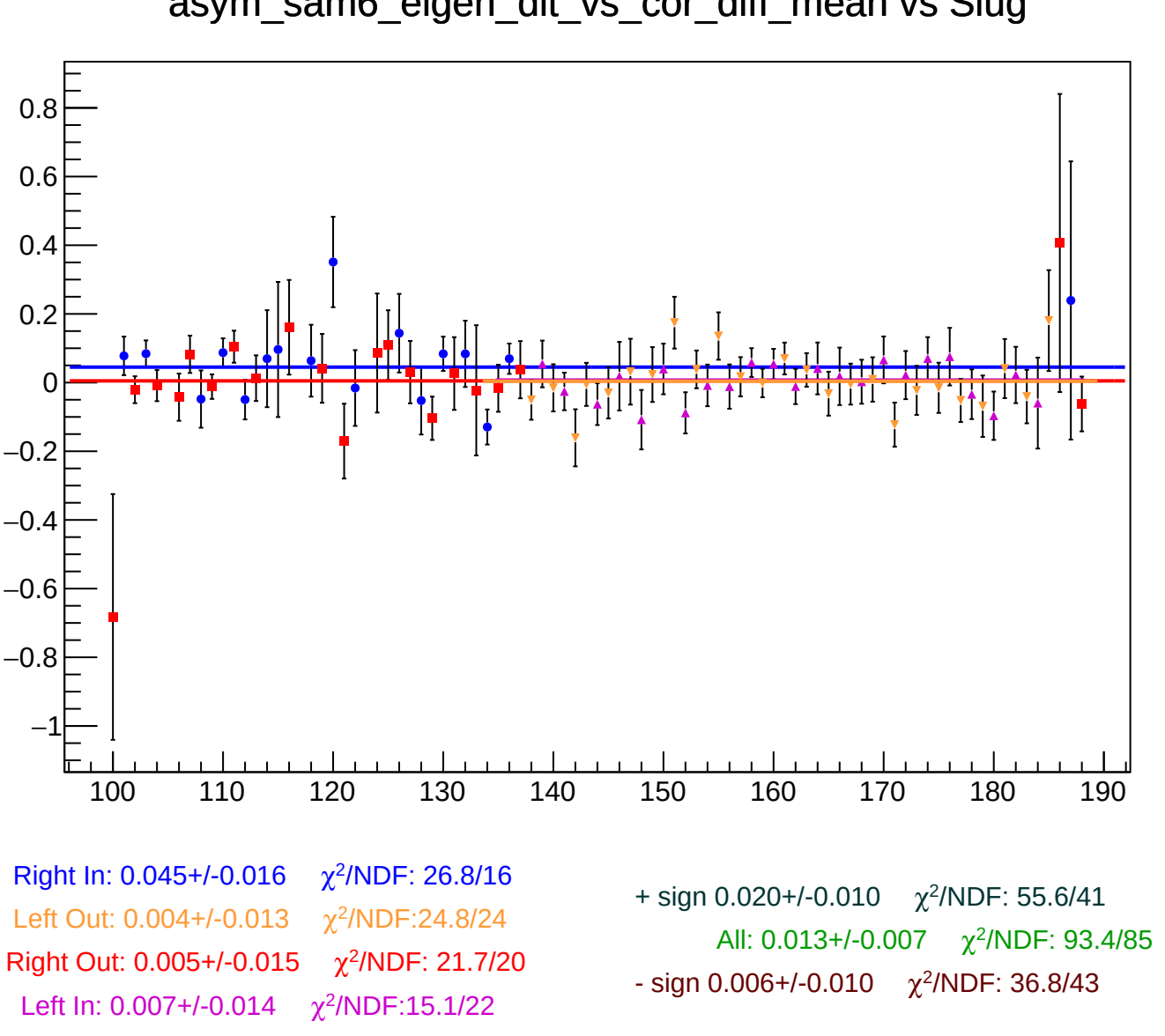
Right Out: 0.001+/-0.000 χ^2/NDF: 2623083.4/20

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

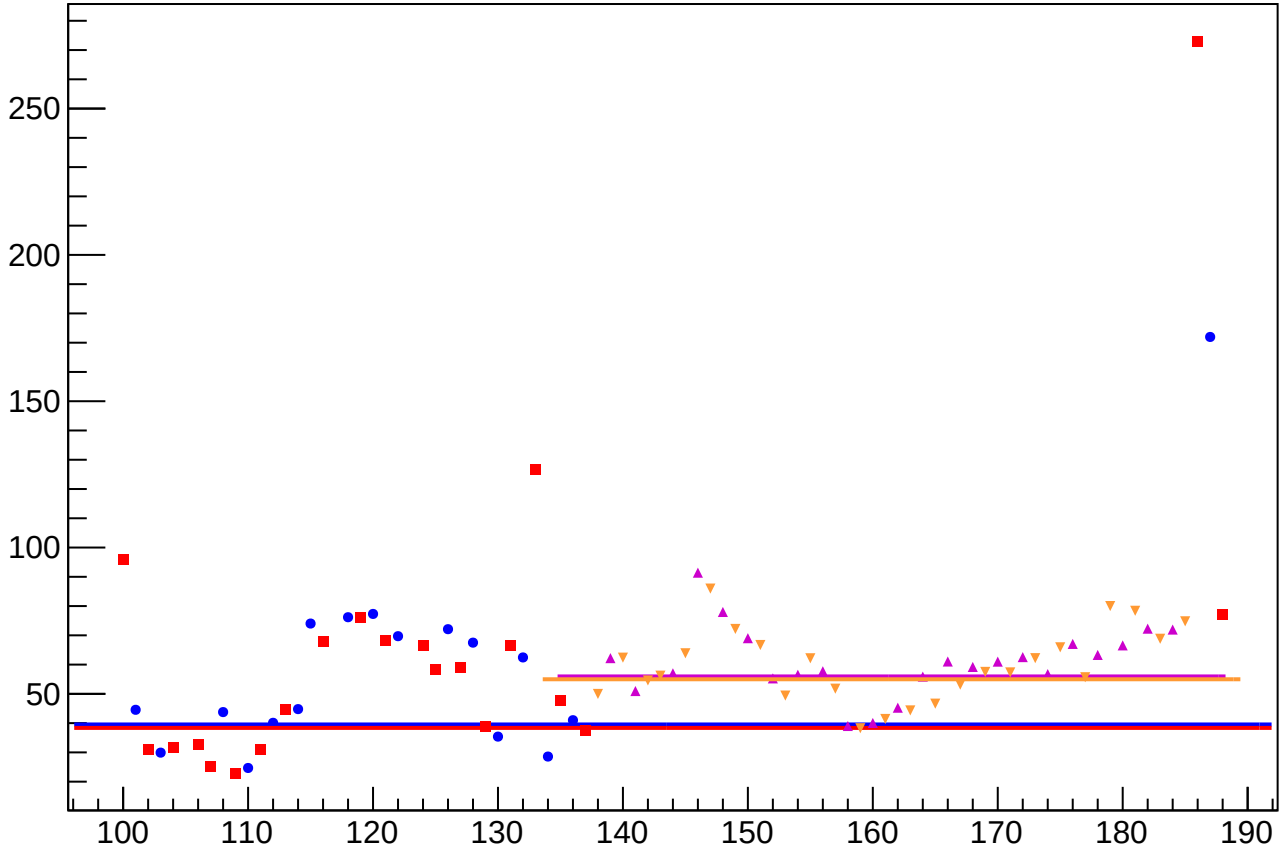
+ sign 0.002+/-0.000 χ^2/NDF: 8506041.1/41

All: 0.002+/-0.000 χ^2/NDF: 18523553.1/85

- sign 0.002+/-0.000 χ^2/NDF: 9986445.2/43


asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.045+/-0.016 χ²/NDF: 26.8/16
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: 0.005+/-0.015 χ²/NDF: 21.7/20
Left In: 0.007+/-0.014 χ²/NDF:15.1/22
+ sign 0.020+/-0.010 χ²/NDF: 55.6/41
All: 0.013+/-0.007 χ²/NDF: 93.4/85
- sign 0.006+/-0.010 χ²/NDF: 36.8/43

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.541+/-0.011 χ^2/NDF: 1780578.1/16

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

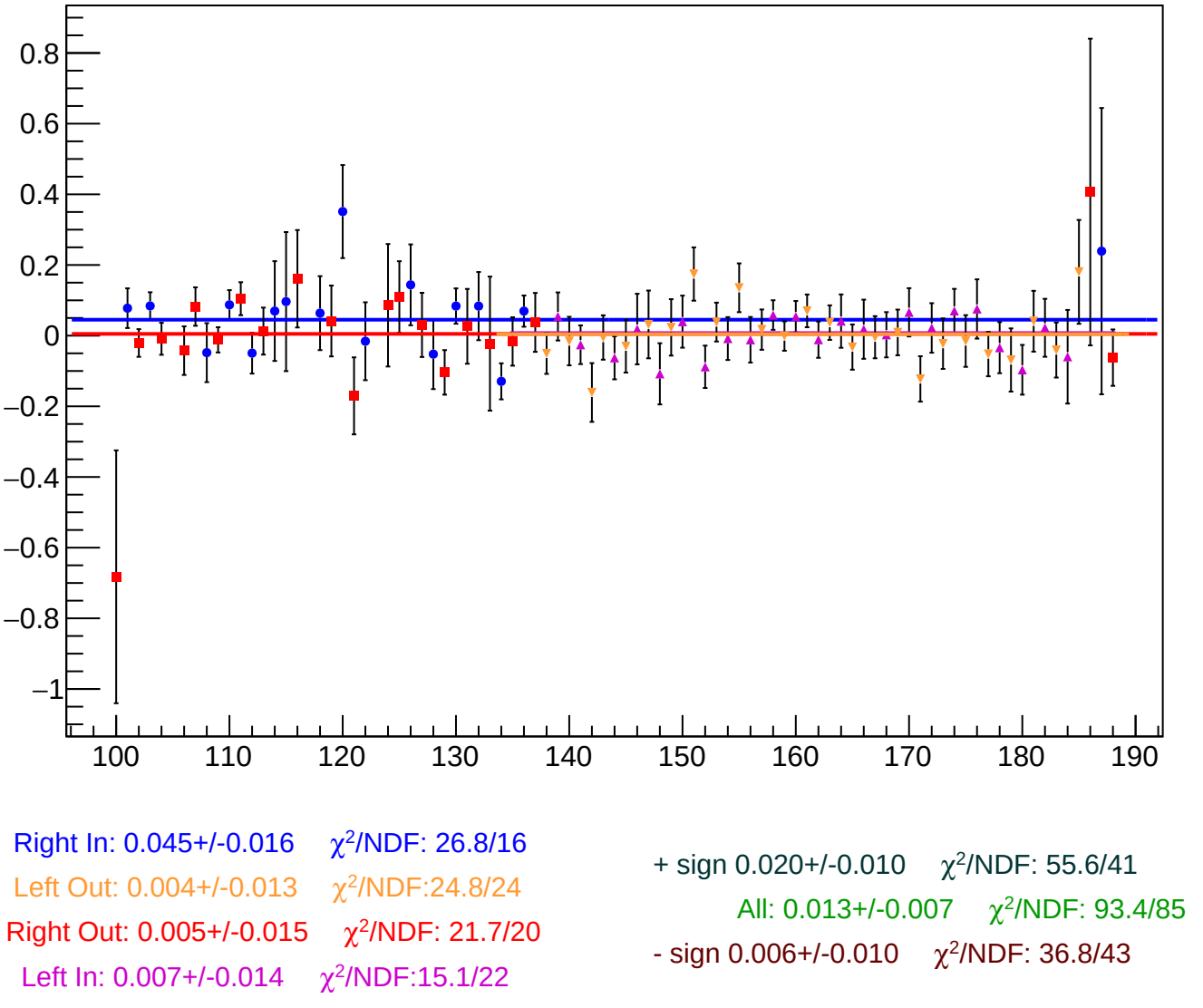
Right Out: 38.368+/-0.010 χ^2/NDF: 3173144.2/20

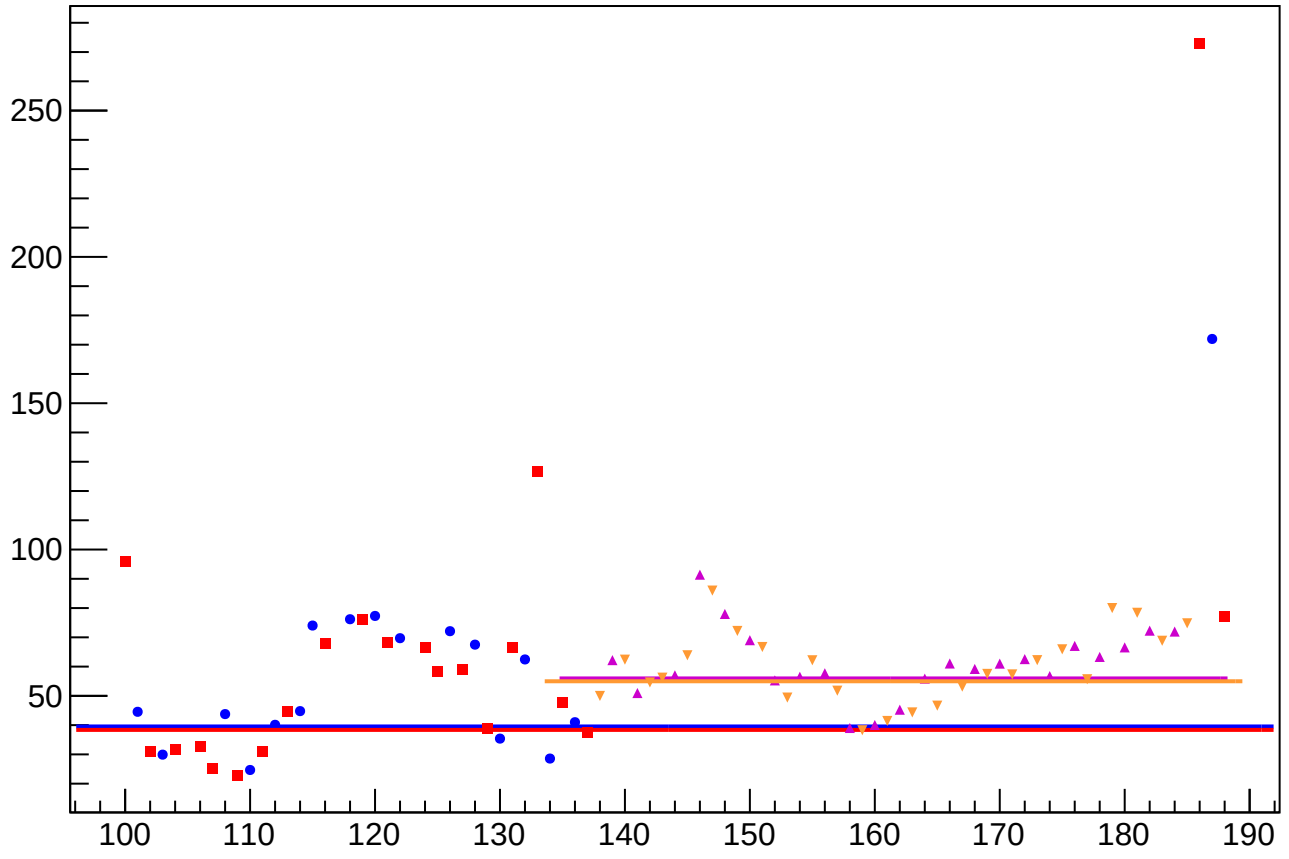
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 48.874+/-0.007 χ^2/NDF: 4472369.6/41

All: 48.423+/-0.005 χ^2/NDF: 10595134.3/85

- sign 47.978+/-0.007 χ^2/NDF: 6114789.9/43


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.045+/-0.016 χ²/NDF: 26.8/16
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: 0.005+/-0.015 χ²/NDF: 21.7/20
Left In: 0.007+/-0.014 χ²/NDF:15.1/22
+ sign 0.020+/-0.010 χ²/NDF: 55.6/41
All: 0.013+/-0.007 χ²/NDF: 93.4/85
- sign 0.006+/-0.010 χ²/NDF: 36.8/43



Right In: 39.541+/-0.011 χ^2/NDF: 1780578.1/16

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 38.368+/-0.010 χ^2/NDF: 3173144.2/20

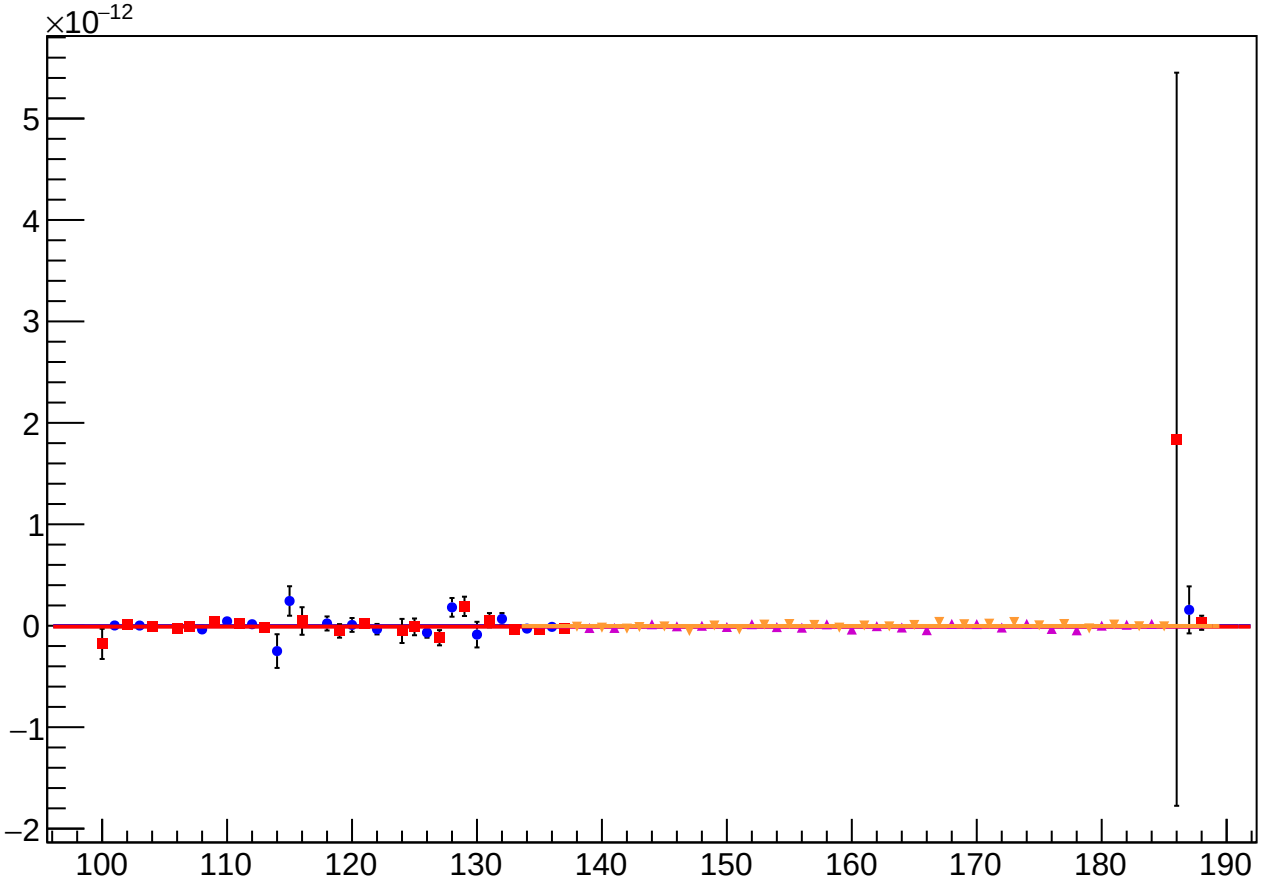
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 48.874+/-0.007 χ^2/NDF: 4472369.6/41

All: 48.423+/-0.005 χ^2/NDF: 10595134.3/85

- sign 47.978+/-0.007 χ^2/NDF: 6114789.9/43

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

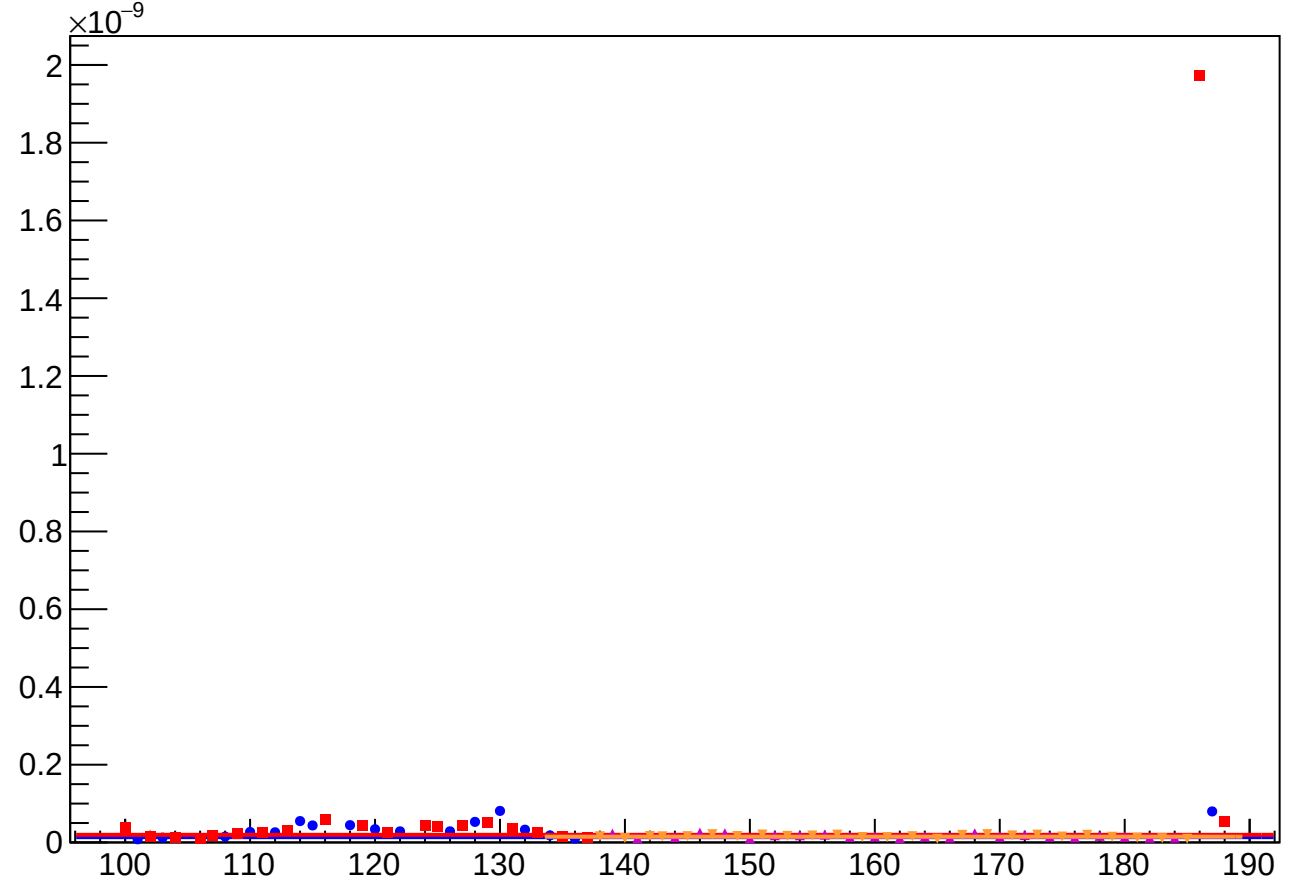
Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/20

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.4/41

All: -0.000+/-0.000 χ^2/NDF: 75.4/85

- sign -0.000+/-0.000 χ^2/NDF: 38.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 3350335.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3137546.4/20

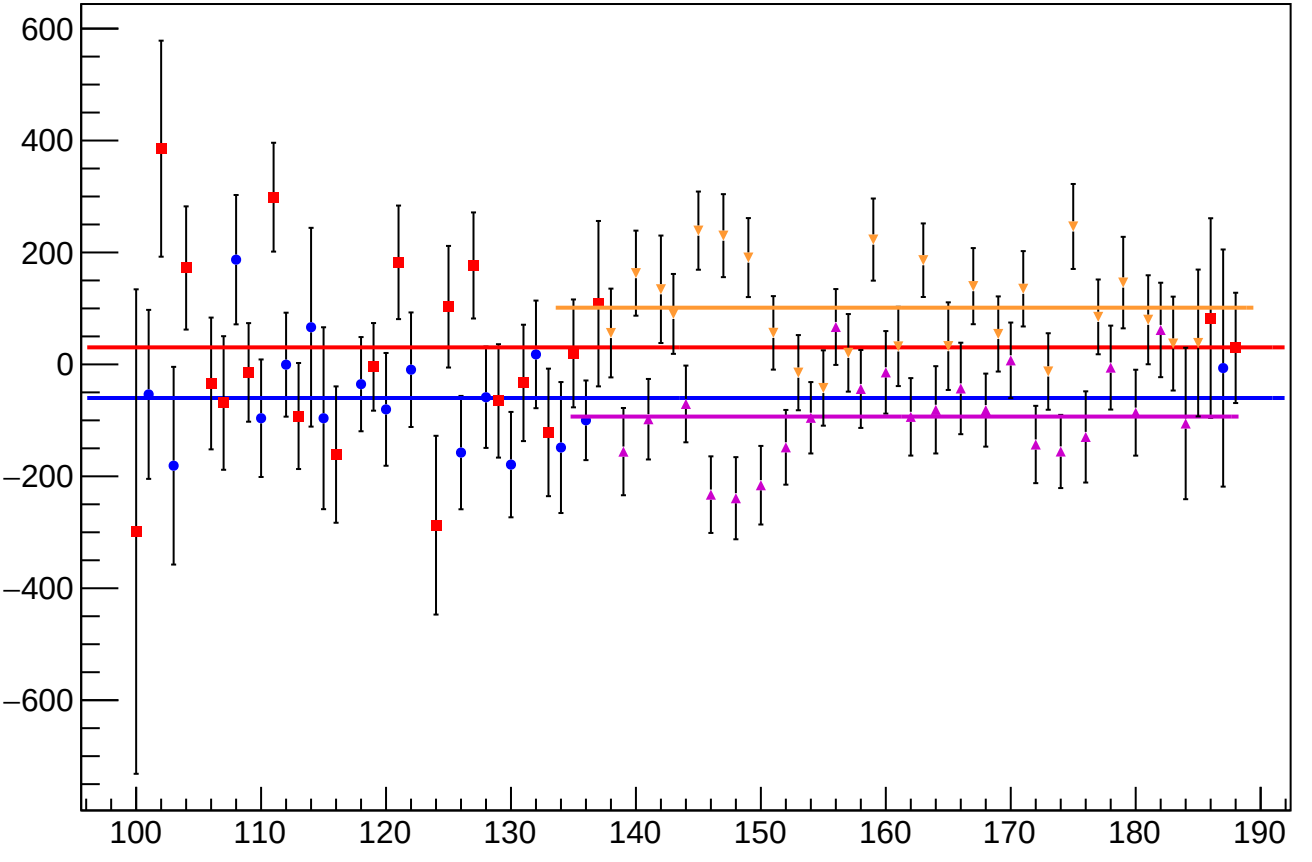
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4789958.9/41

All: 0.000+/-0.000 χ^2/NDF: 9916218.8/85

- sign 0.000+/-0.000 χ^2/NDF: 5007650.2/43

reg_asym_sam7_mean vs Slug



Right In: -60.037+/-25.859 χ^2/NDF: 10.6/16

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 30.431+/-24.105 χ^2/NDF: 31.3/20

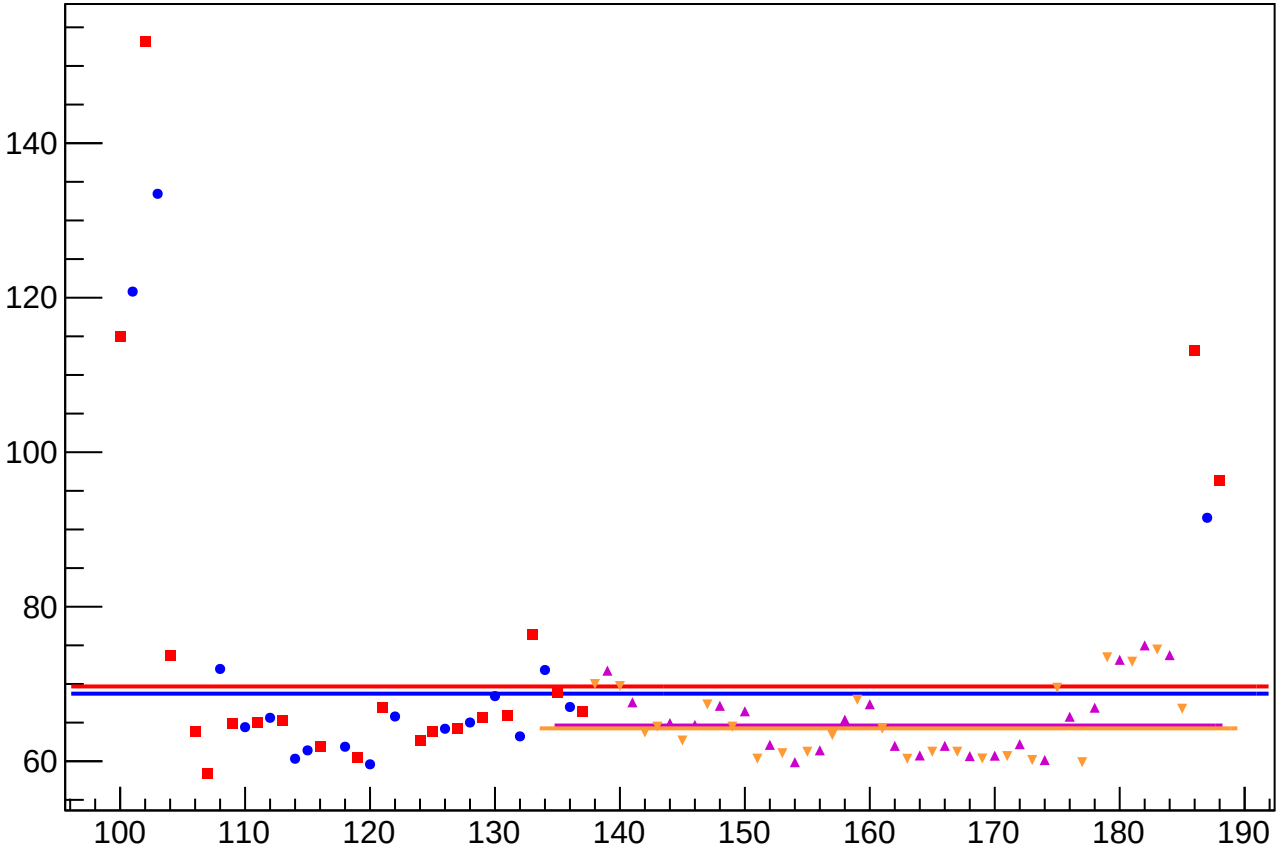
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 62.151+/-12.741 χ^2/NDF: 74.0/41

All: 2.310+/-9.037 χ^2/NDF: 197.4/85

- sign -58.262+/-12.819 χ^2/NDF: 79.0/43

reg_asym_sam7_rms vs Slug



Right In: 68.748+/-0.018 χ^2/NDF: 592999.6/16

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 69.679+/-0.017 χ^2/NDF: 768604.5/20

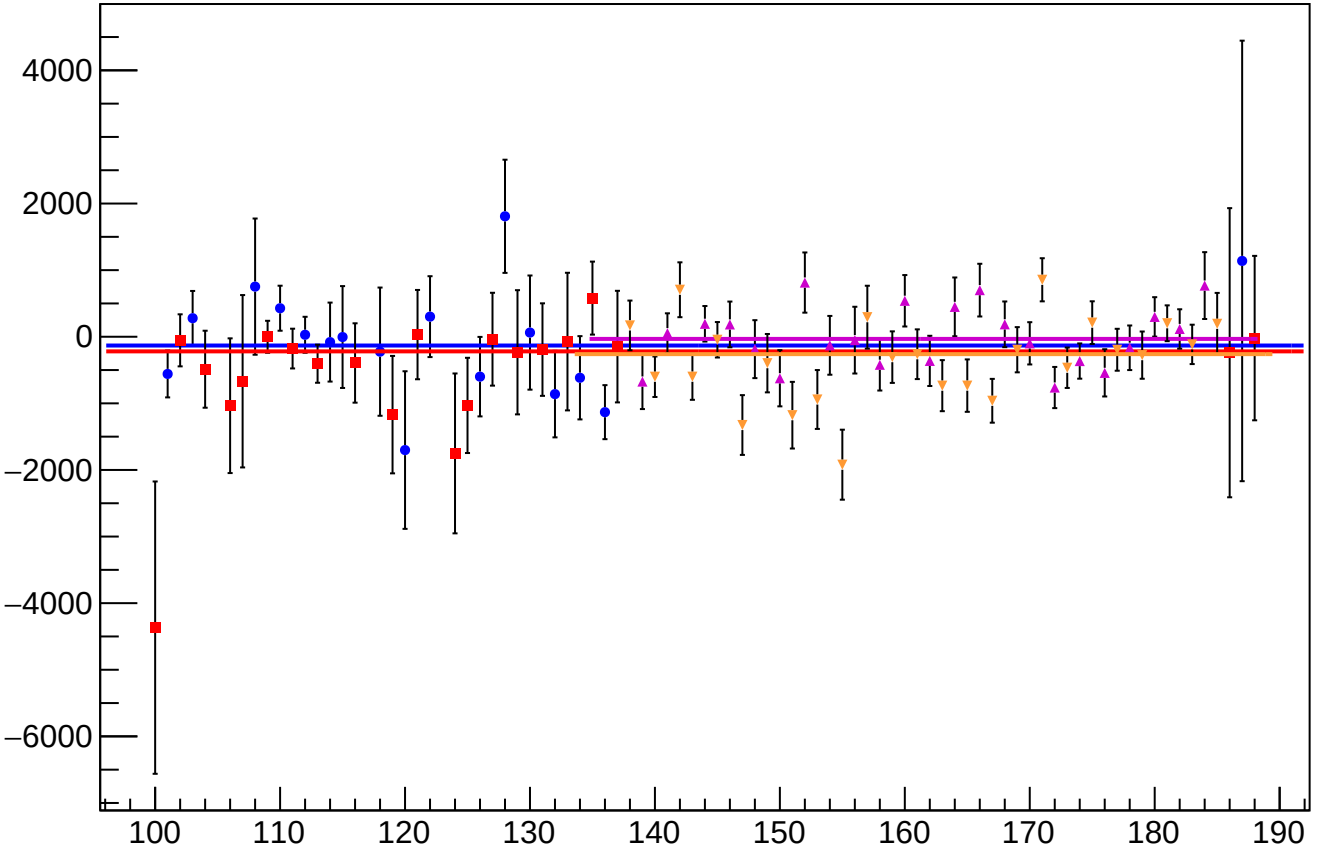
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.346+/-0.009 χ^2/NDF: 816397.0/41

All: 65.697+/-0.006 χ^2/NDF: 1798412.5/85

- sign 66.052+/-0.009 χ^2/NDF: 978967.5/43

asym_sam7_reg_correction_mean vs Slug



Right In: -131.749+/-125.812 χ^2/NDF: 22.6/16

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -219.568+/-117.079 χ^2/NDF: 12.6/20

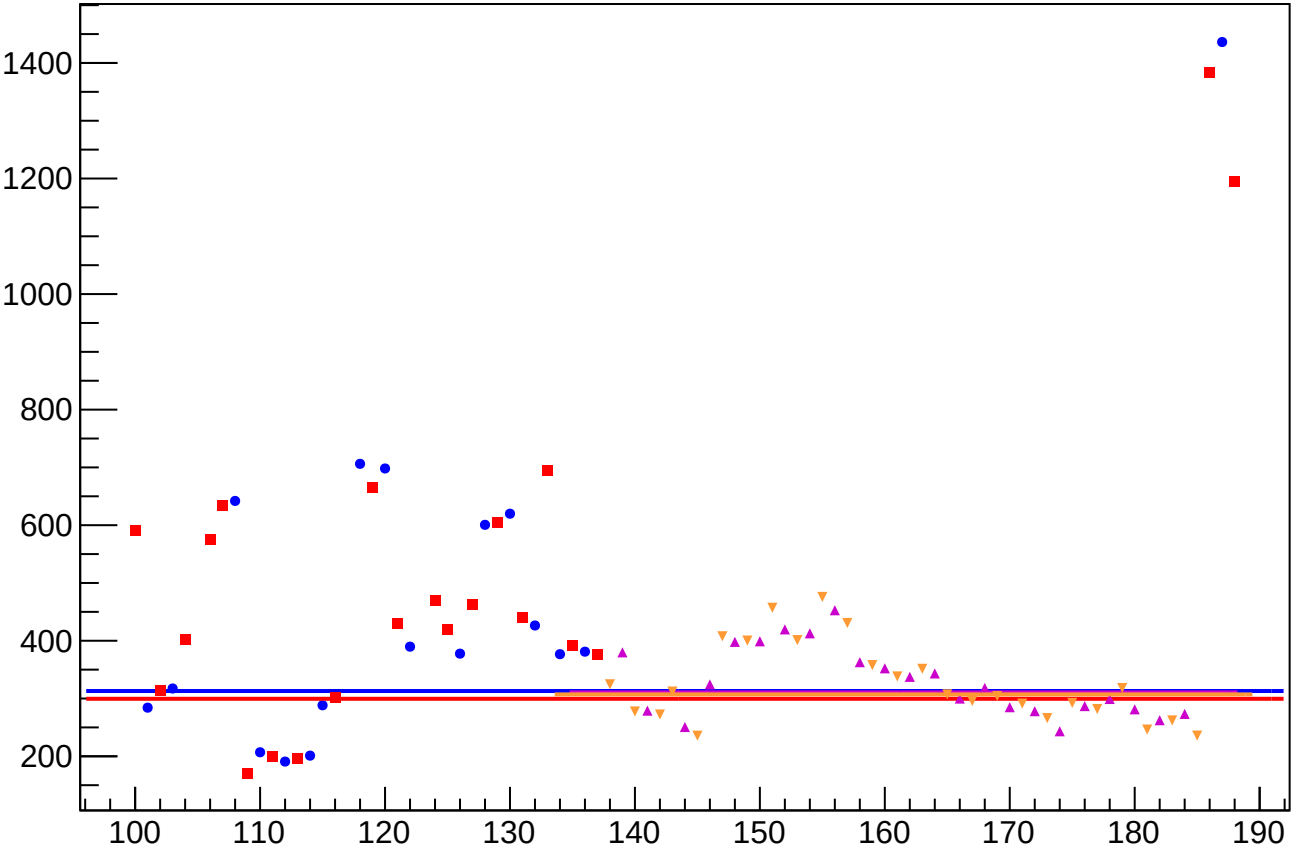
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -229.695+/-62.010 χ^2/NDF: 82.2/41

All: -158.199+/-44.004 χ^2/NDF: 131.0/85

- sign -85.676+/-62.454 χ^2/NDF: 46.1/43

asym_sam7_reg_correction_rms vs Slug



Right In: 313.014+/-0.089 χ^2/NDF: 2354849.1/16

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 299.543+/-0.083 χ^2/NDF: 4283546.3/20

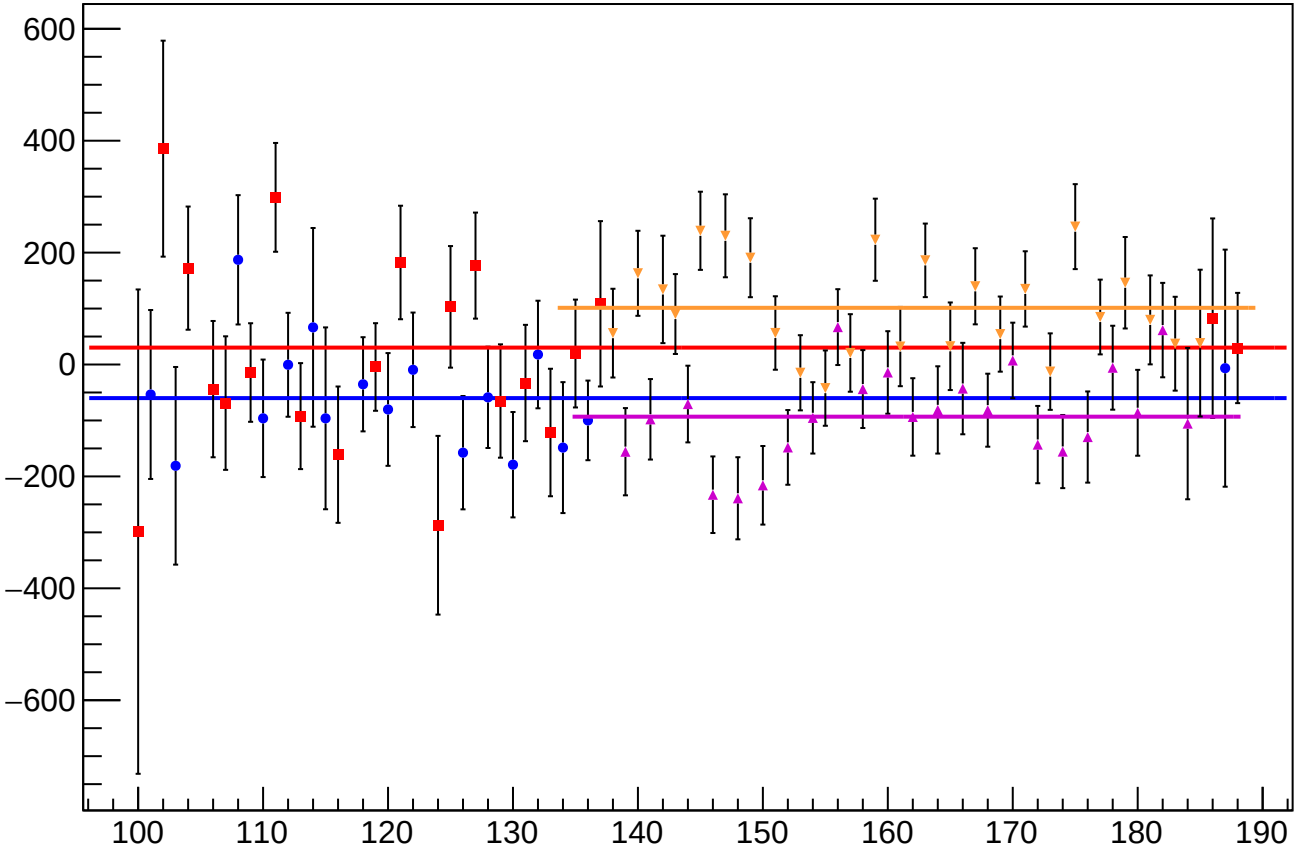
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 308.569+/-0.044 χ^2/NDF: 3678297.4/41

All: 308.050+/-0.031 χ^2/NDF: 9054591.0/85

- sign 307.523+/-0.044 χ^2/NDF: 5376011.0/43

cor_asym_sam7_mean vs Slug



Right In: -60.039+/-25.859 χ^2/NDF: 10.6/16

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 30.218+/-24.138 χ^2/NDF: 31.4/20

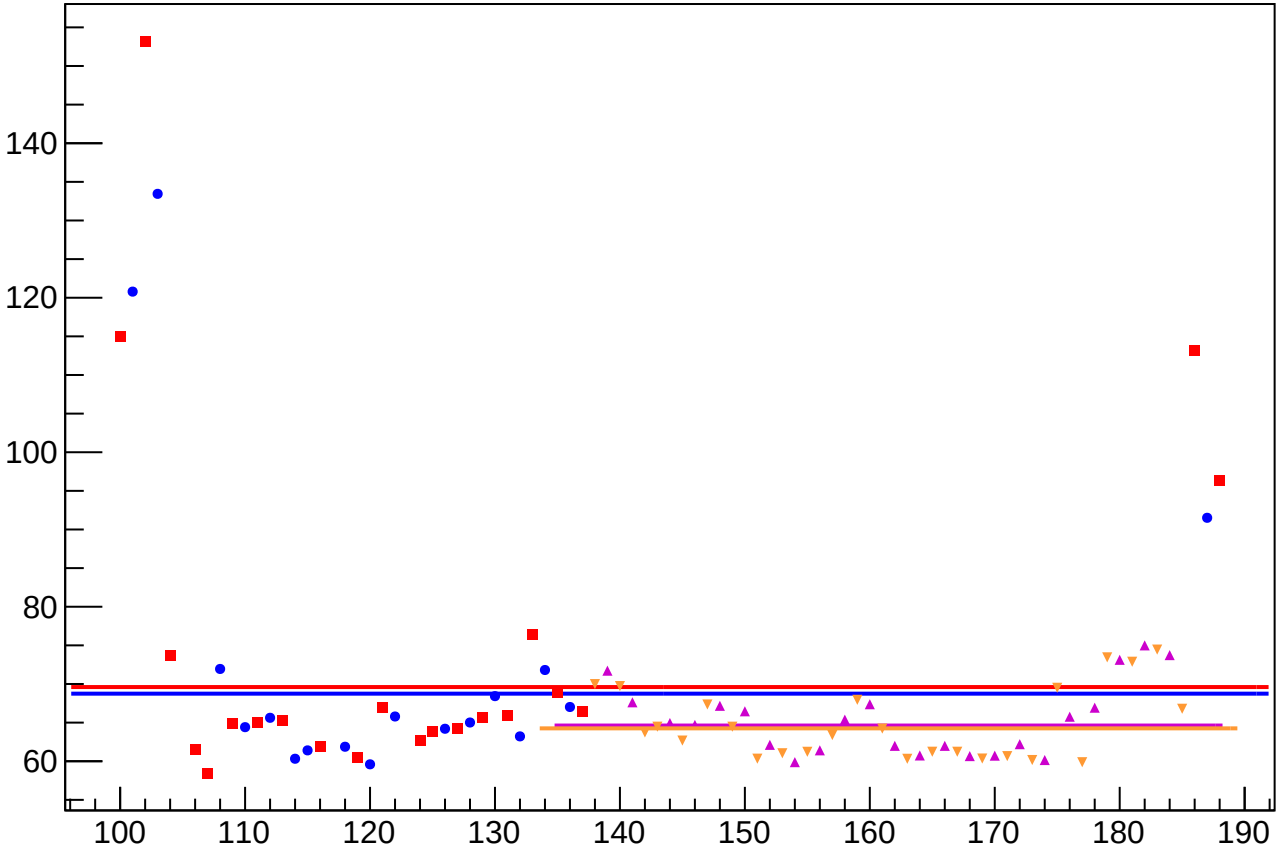
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 62.151+/-12.741 χ^2/NDF: 74.0/41

All: 2.270+/-9.038 χ^2/NDF: 197.4/85

- sign -58.391+/-12.824 χ^2/NDF: 79.0/43

cor_asym_sam7_rms vs Slug



Right In: 68.748+/-0.018 χ^2/NDF: 593000.0/16

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 69.603+/-0.017 χ^2/NDF: 772714.6/20

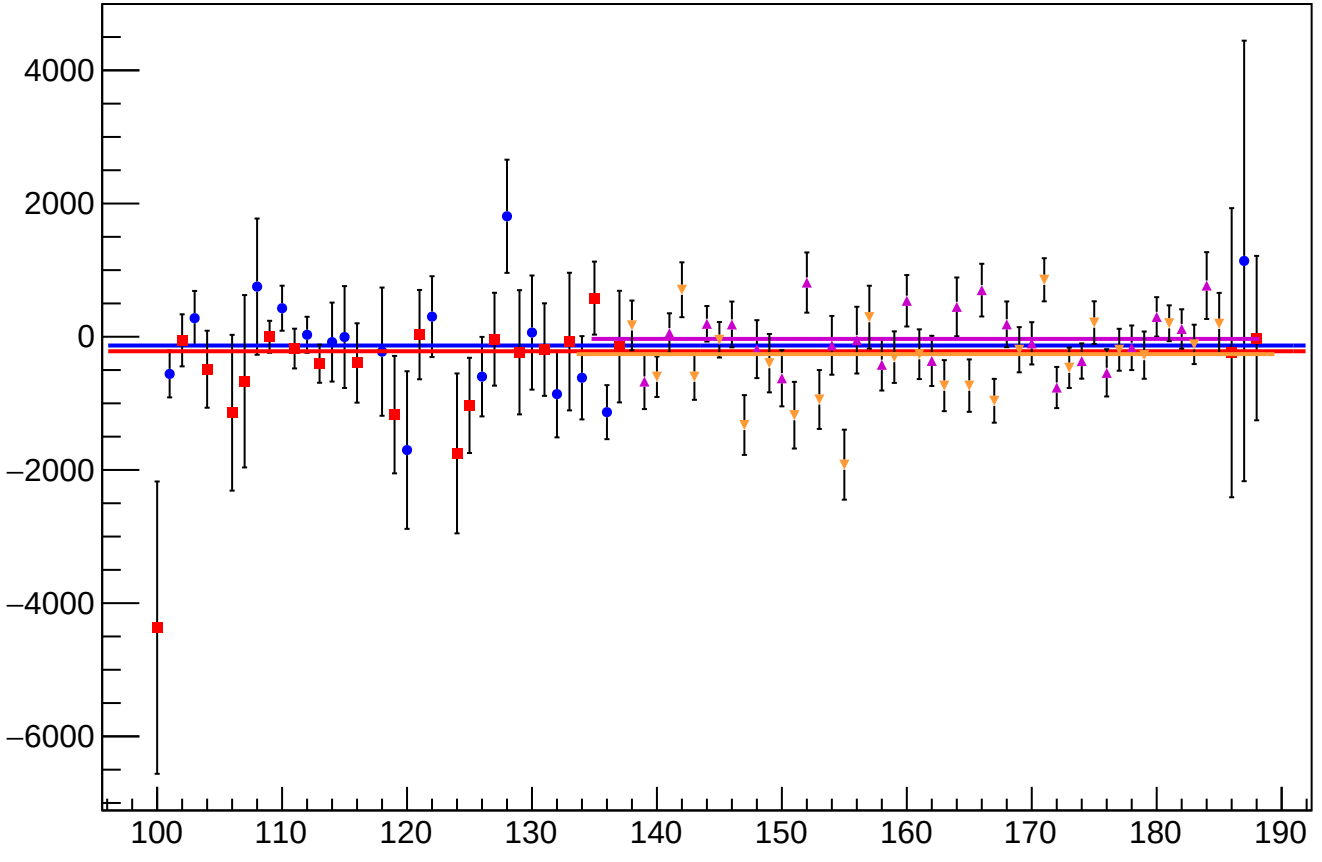
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.346+/-0.009 χ^2/NDF: 816397.3/41

All: 65.684+/-0.006 χ^2/NDF: 1800288.9/85

- sign 66.027+/-0.009 χ^2/NDF: 981052.8/43

asym_sam7_cor_correction_mean vs Slug



Right In: -131.746+/-125.813 χ^2/NDF: 22.6/16

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -217.874+/-117.283 χ^2/NDF: 12.5/20

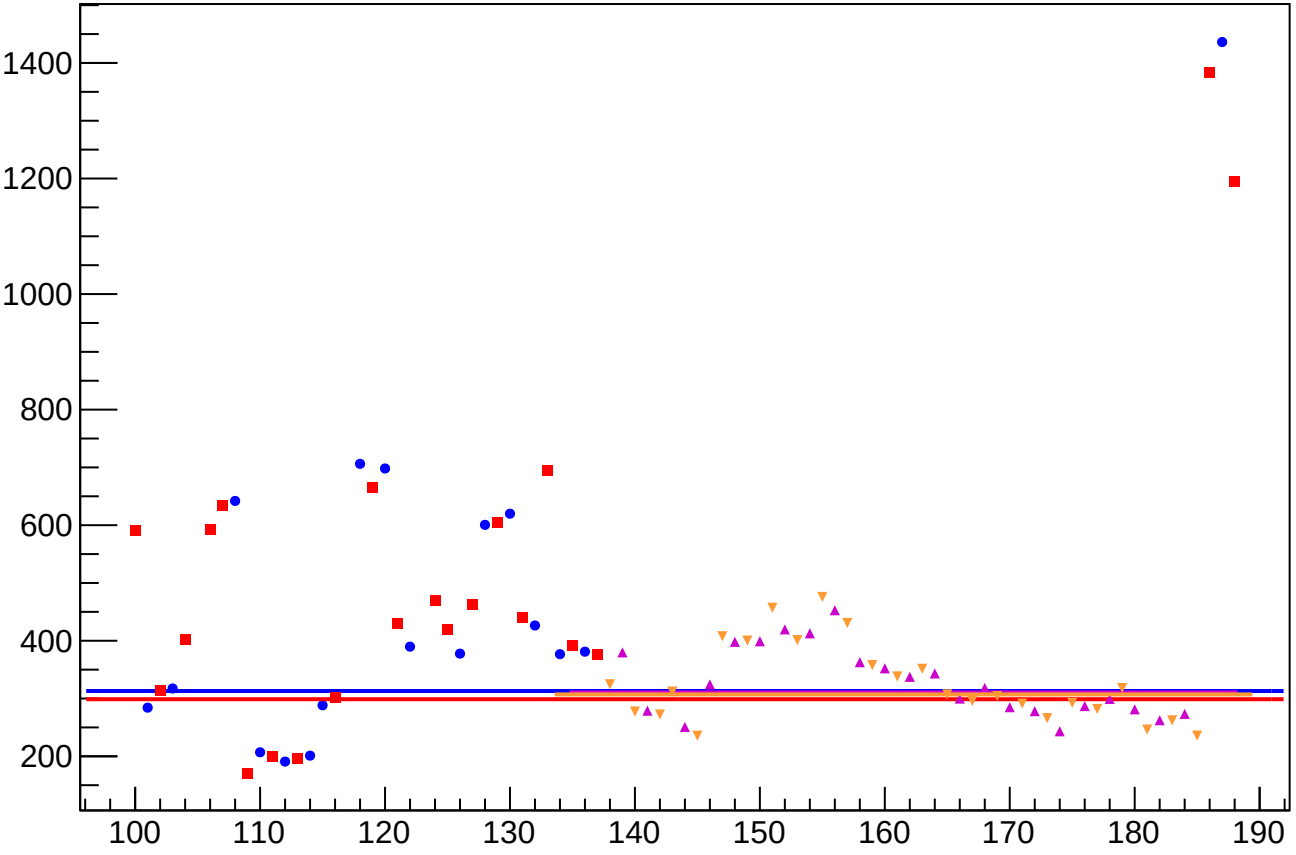
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

\+ sign -229.695+/-62.010 χ^2/NDF: 82.2/41

All: -157.929+/-44.015 χ^2/NDF: 131.0/85

\- sign -85.061+/-62.485 χ^2/NDF: 46.1/43

asym_sam7_cor_correction_rms vs Slug



Right In: 313.016+/-0.089 χ^2/NDF: 2354849.7/16

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

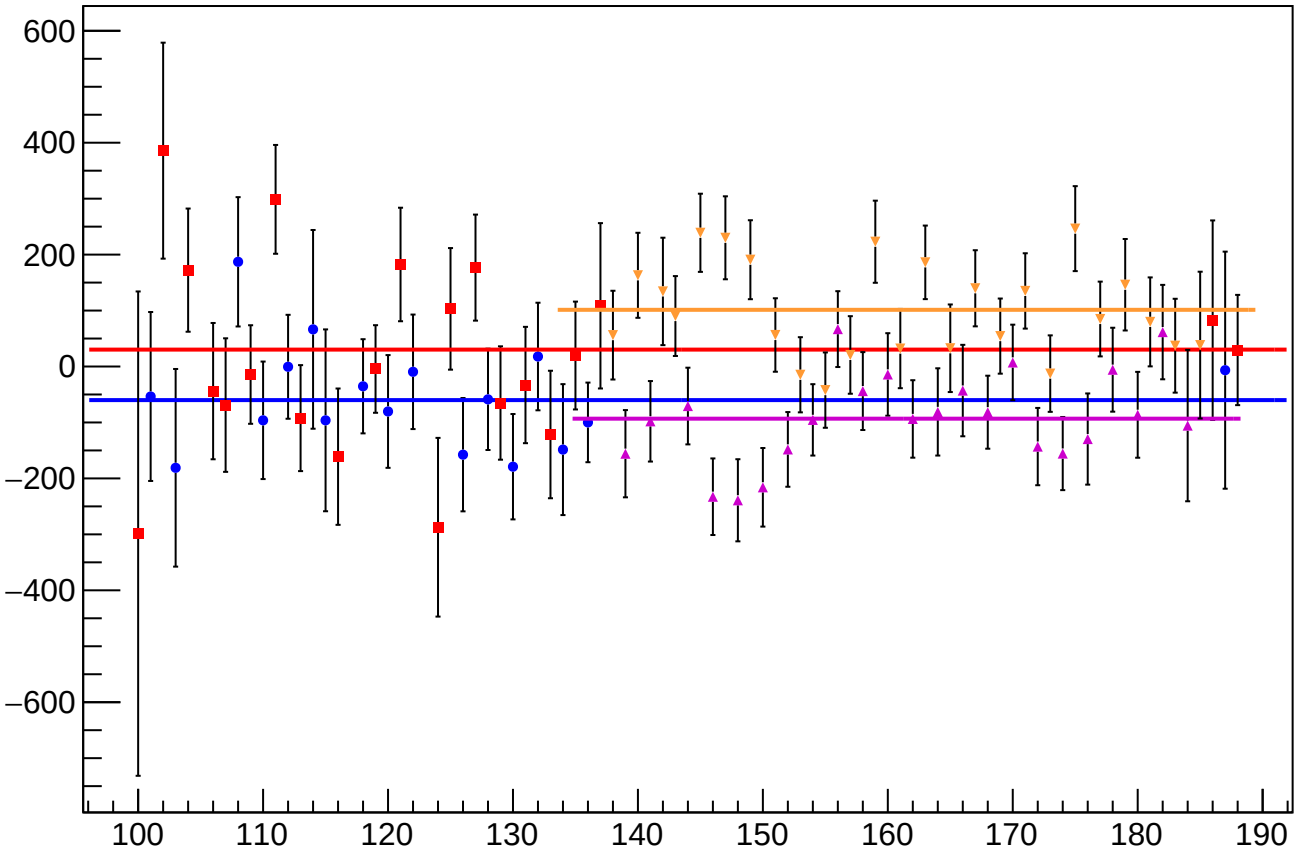
Right Out: 298.800+/-0.083 χ^2/NDF: 4260946.0/20

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

\+ sign 308.570+/-0.044 χ^2/NDF: 3678296.6/41

All: 307.950+/-0.031 χ^2/NDF: 9033865.0/85

\- sign 307.320+/-0.044 χ^2/NDF: 5355165.6/43



Right In: -60.039+/-25.859 χ^2/NDF: 10.6/16

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 30.218+/-24.138 χ^2/NDF: 31.4/20

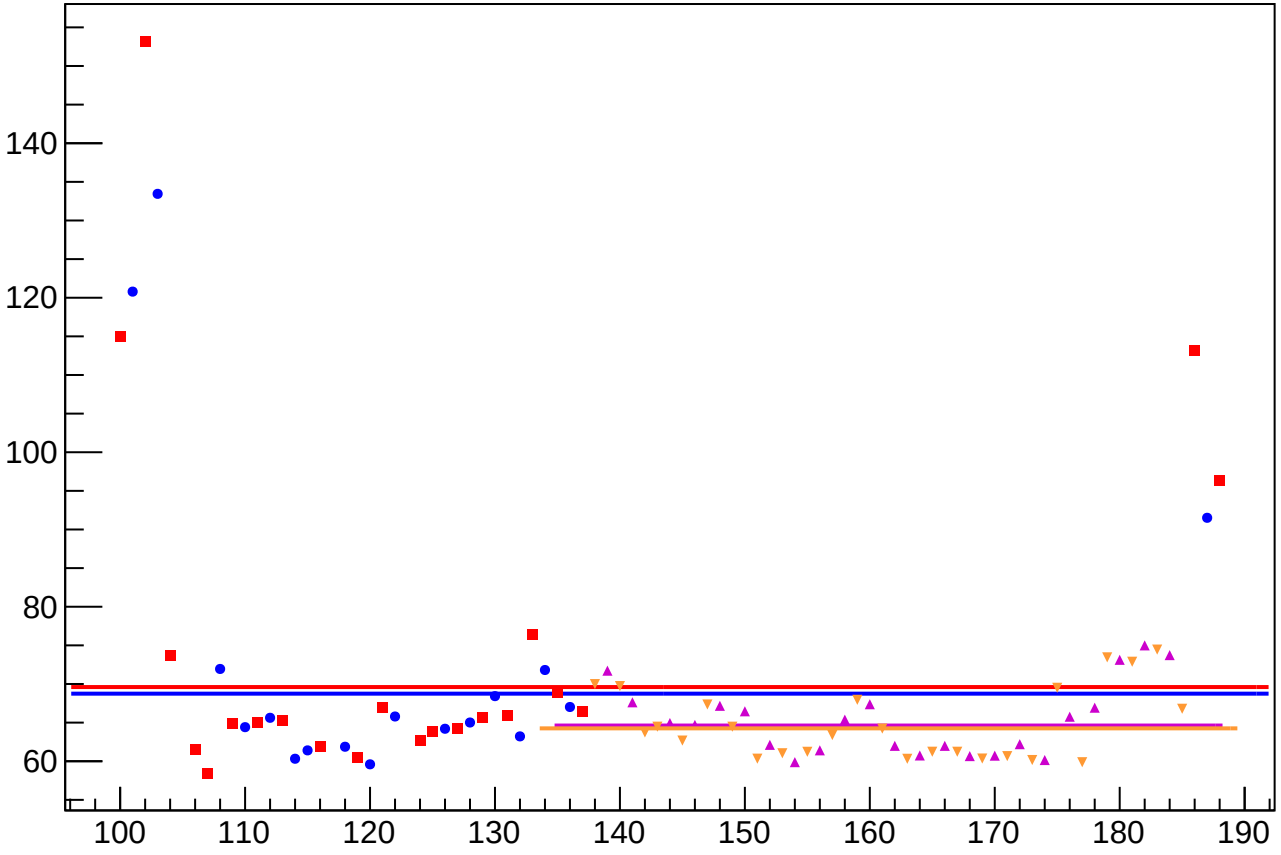
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 62.151+/-12.741 χ^2/NDF: 74.0/41

All: 2.270+/-9.038 χ^2/NDF: 197.4/85

- sign -58.391+/-12.824 χ^2/NDF: 79.0/43

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.748+/-0.018 χ^2/NDF: 593000.0/16

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

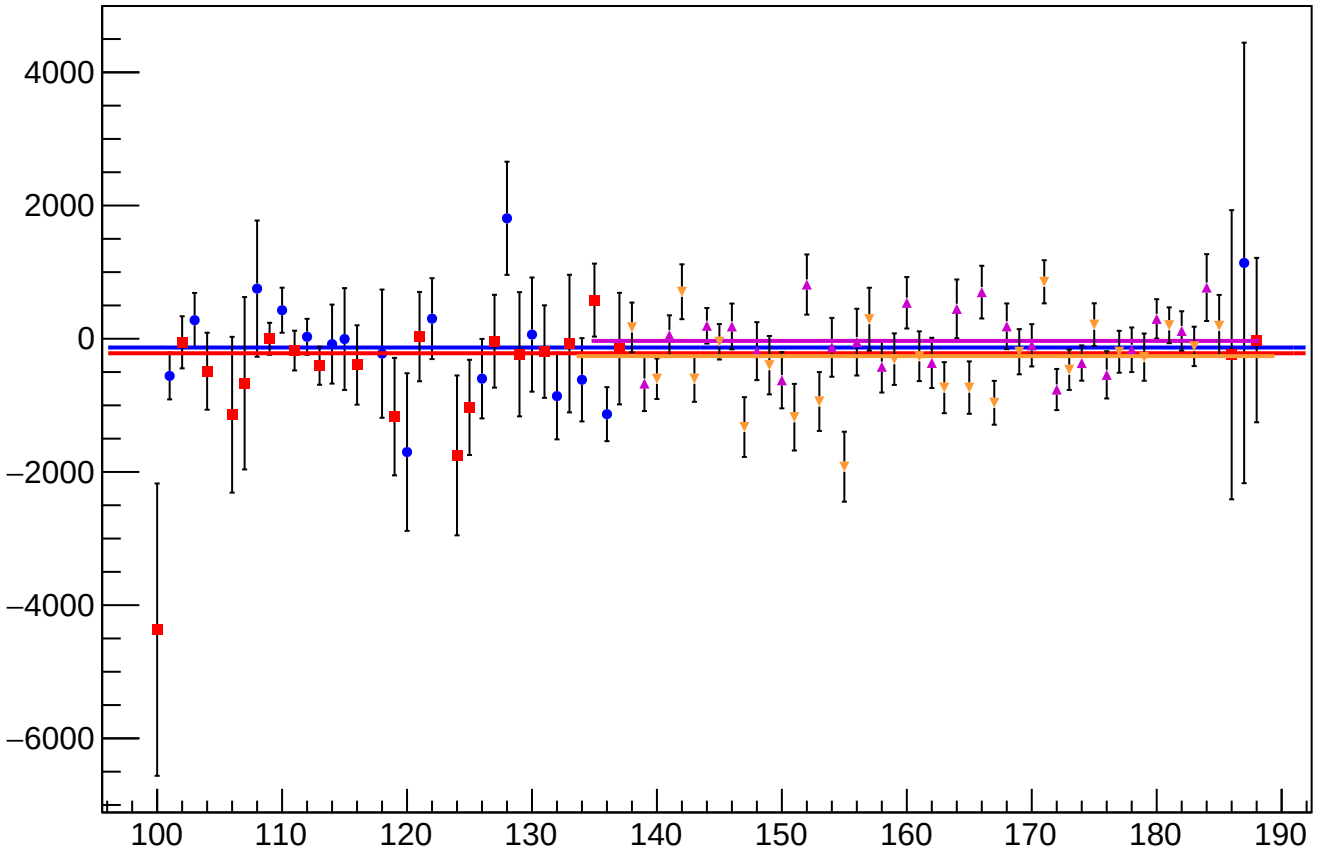
Right Out: 69.603+/-0.017 χ^2/NDF: 772714.6/20

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.346+/-0.009 χ^2/NDF: 816397.3/41

All: 65.684+/-0.006 χ^2/NDF: 1800288.9/85

- sign 66.027+/-0.009 χ^2/NDF: 981052.8/43



Right In: -131.746+/-125.813 χ^2/NDF: 22.6/16

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -217.874+/-117.283 χ^2/NDF: 12.5/20

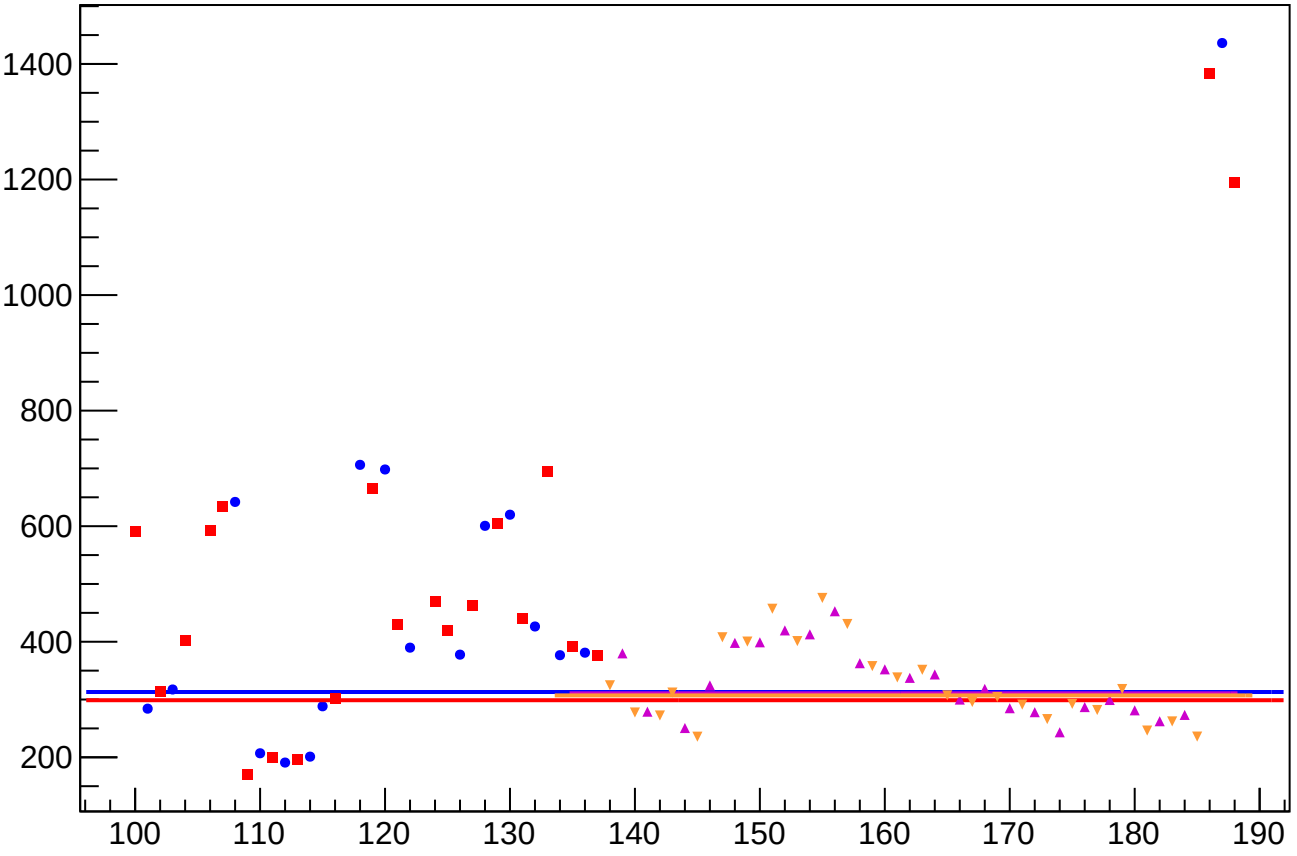
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -229.695+/-62.010 χ^2/NDF: 82.2/41

All: -157.929+/-44.015 χ^2/NDF: 131.0/85

- sign -85.061+/-62.485 χ^2/NDF: 46.1/43

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 313.016+/-0.089 χ^2/NDF: 2354849.7/16

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 298.800+/-0.083 χ^2/NDF: 4260946.0/20

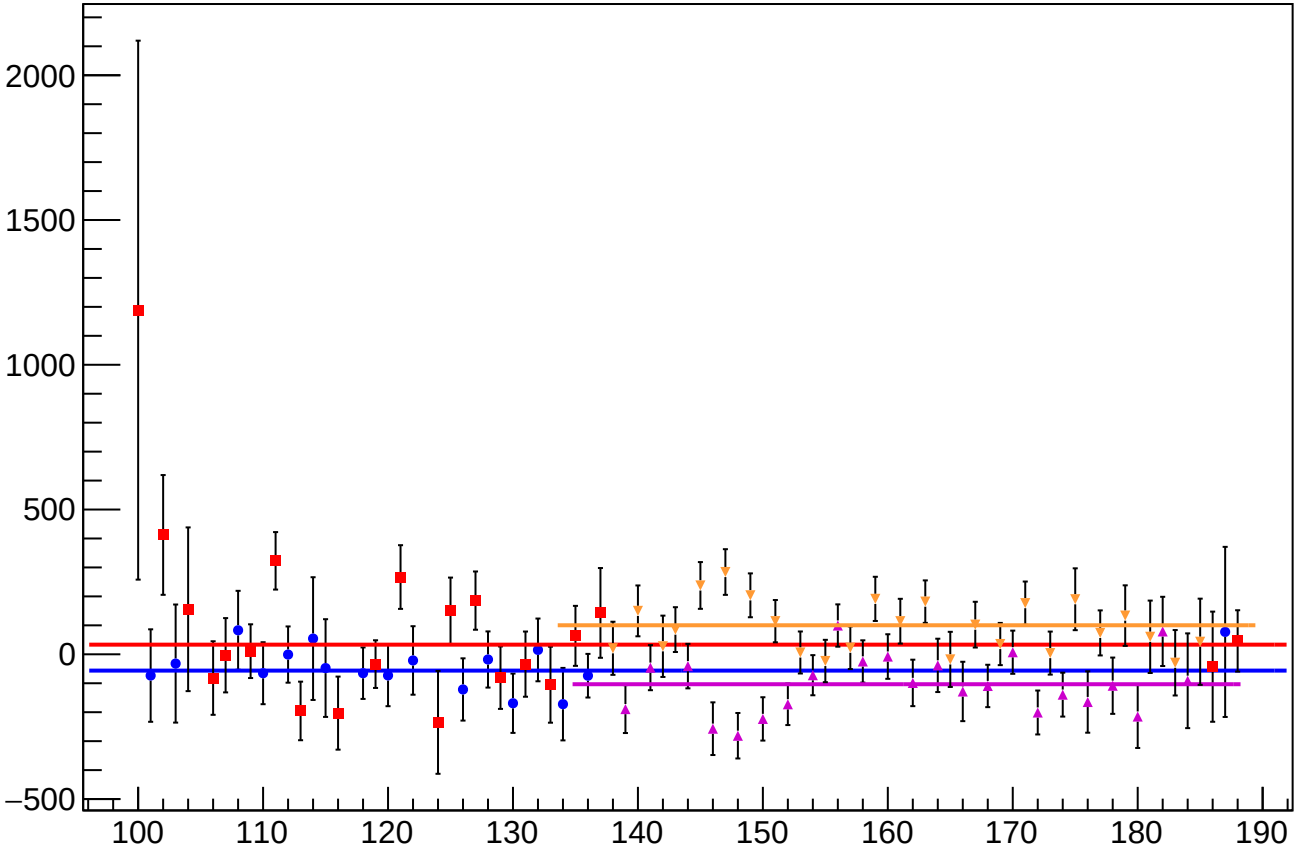
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 308.570+/-0.044 χ^2/NDF: 3678296.6/41

All: 307.950+/-0.031 χ^2/NDF: 9033865.0/85

- sign 307.320+/-0.044 χ^2/NDF: 5355165.6/43

dit_asym_sam7_mean vs Slug



Right In: -56.311+/-27.959 χ^2/NDF: 5.1/16

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 33.320+/-26.270 χ^2/NDF: 37.3/20

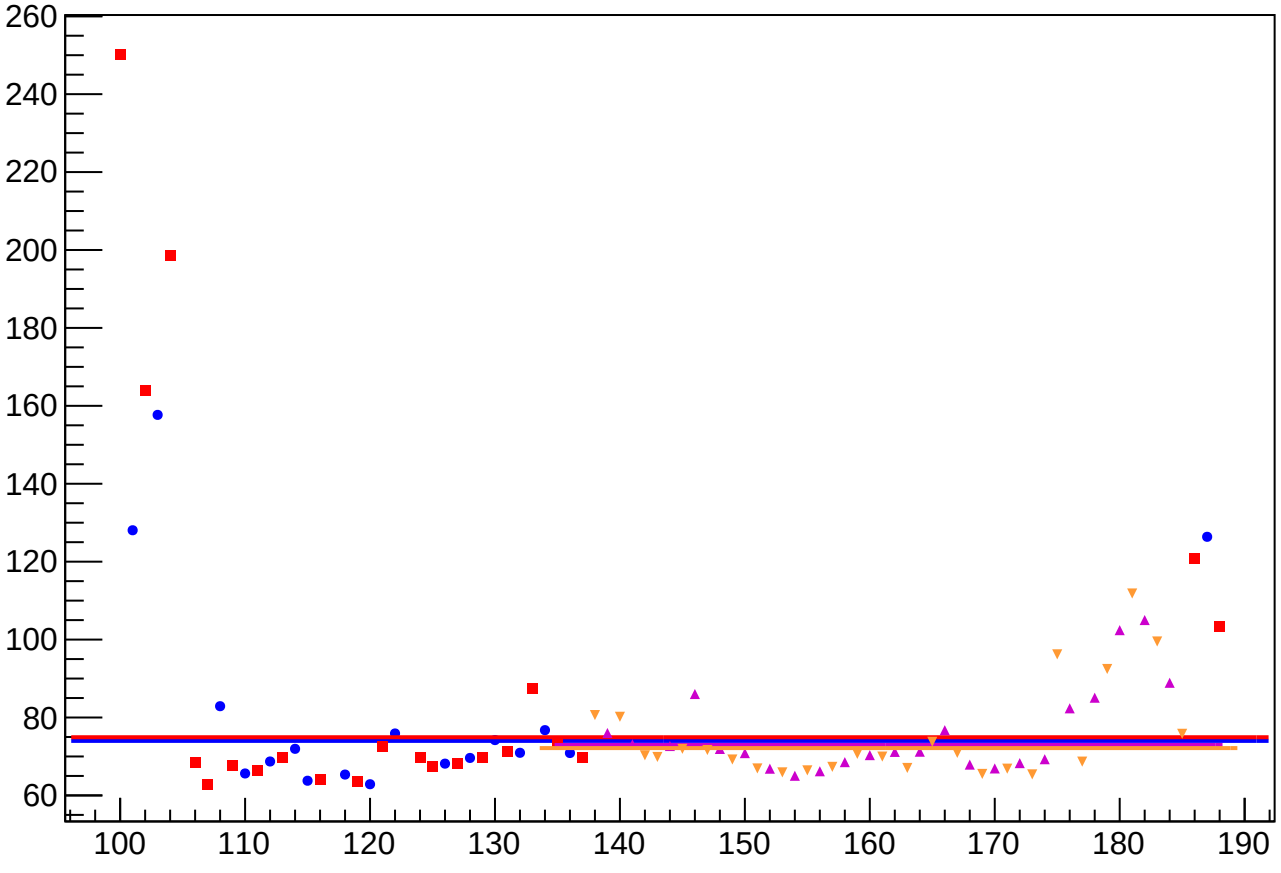
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 59.374+/-14.290 χ^2/NDF: 56.0/41

All: -0.814+/-10.152 χ^2/NDF: 180.7/85

- sign -62.150+/-14.425 χ^2/NDF: 89.0/43

dit_asym_sam7_rms vs Slug



Right In: 73.998+/-0.020 χ^2/NDF: 721018.0/16

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 74.935+/-0.019 χ^2/NDF: 1241587.1/20

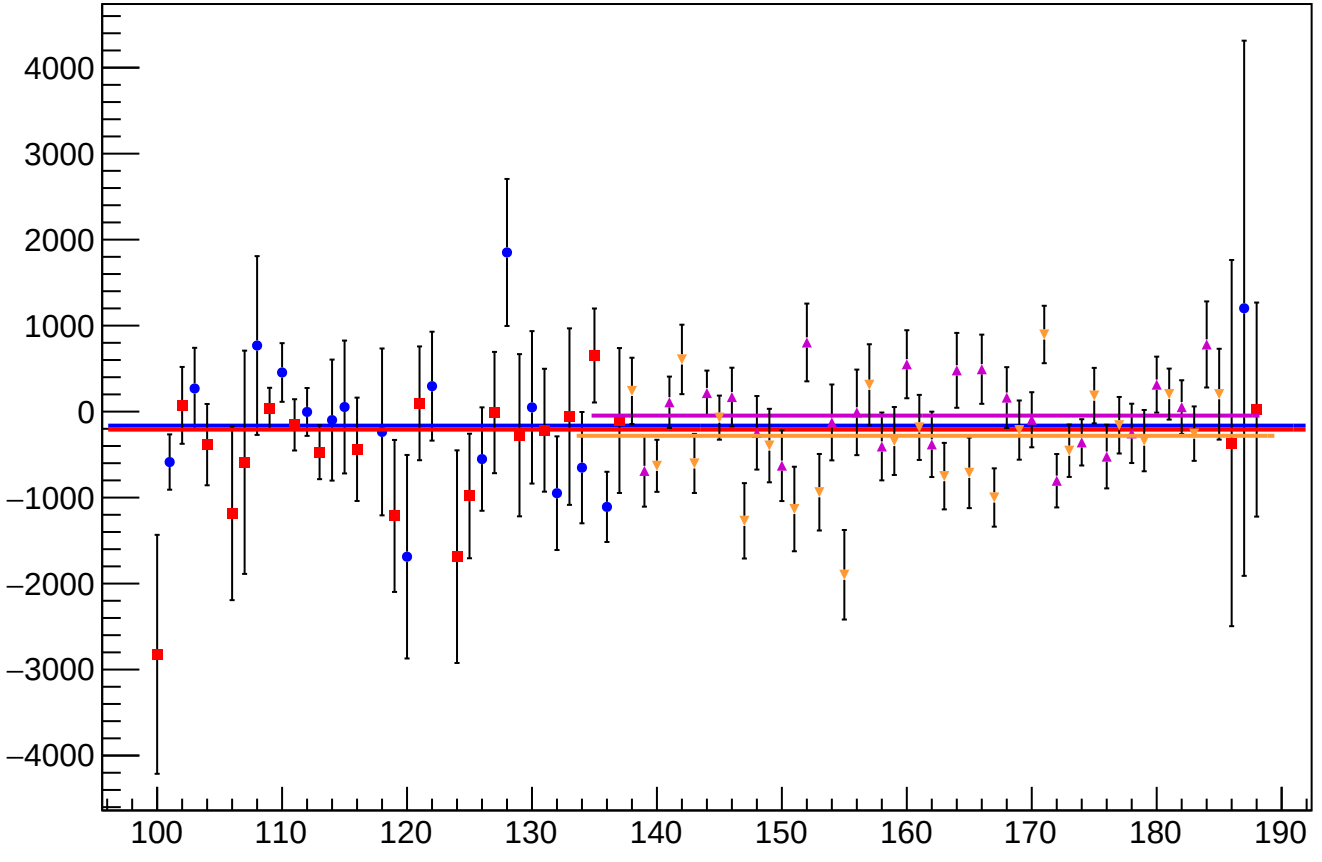
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 72.632+/-0.010 χ^2/NDF: 1369444.6/41

All: 73.085+/-0.007 χ^2/NDF: 3132105.7/85

- sign 73.547+/-0.010 χ^2/NDF: 1758602.1/43

asym_sam7_dit_correction_mean vs Slug



Right In: -163.175+/-128.328 χ^2/NDF: 22.8/16

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -209.674+/-119.378 χ^2/NDF: 13.7/20

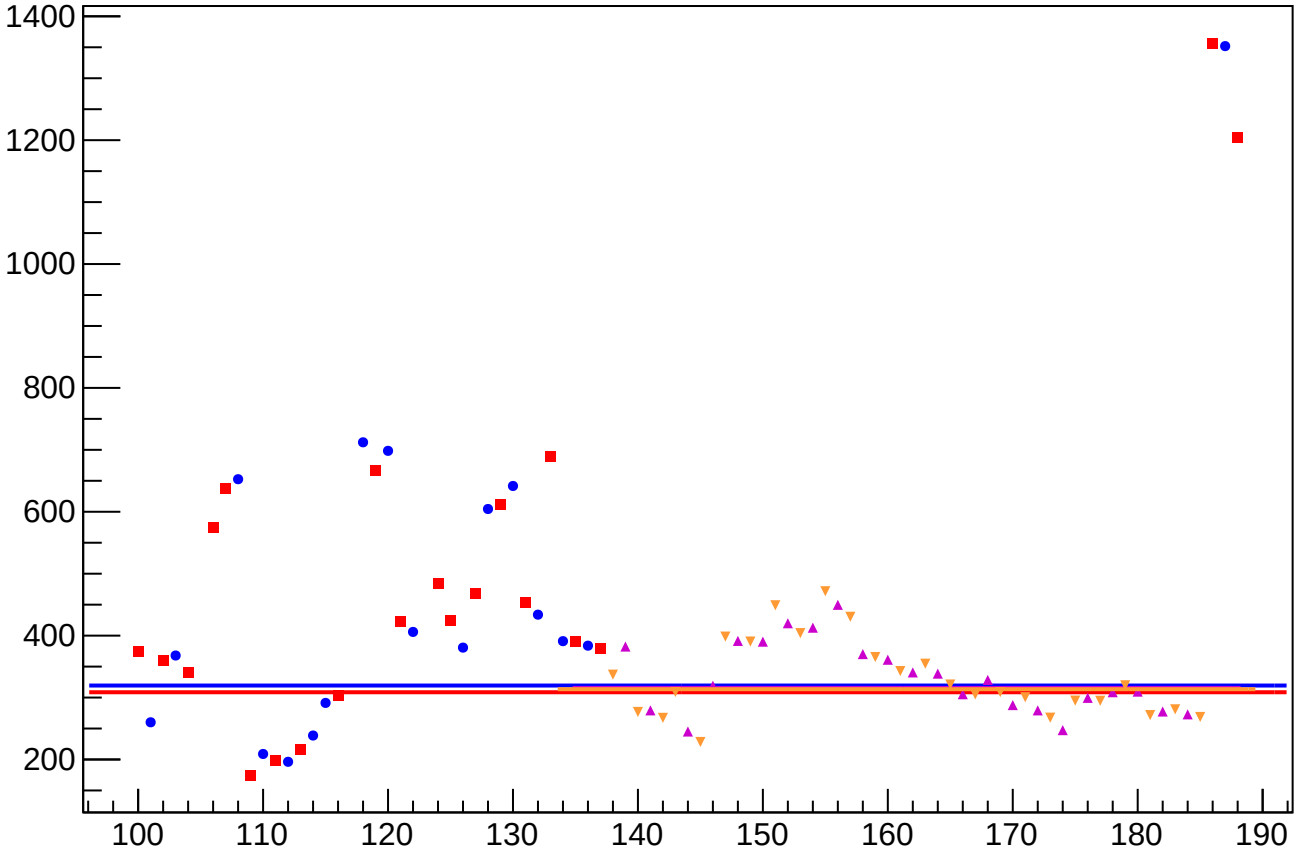
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -252.625+/-63.148 χ^2/NDF: 80.3/41

All: -173.006+/-44.757 χ^2/NDF: 129.2/85

- sign -92.637+/-63.444 χ^2/NDF: 45.7/43

asym_sam7_dit_correction_rms vs Slug



Right In: 319.422+/-0.091 χ^2/NDF: 2356696.6/16

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 308.570+/-0.084 χ^2/NDF: 4081365.5/20

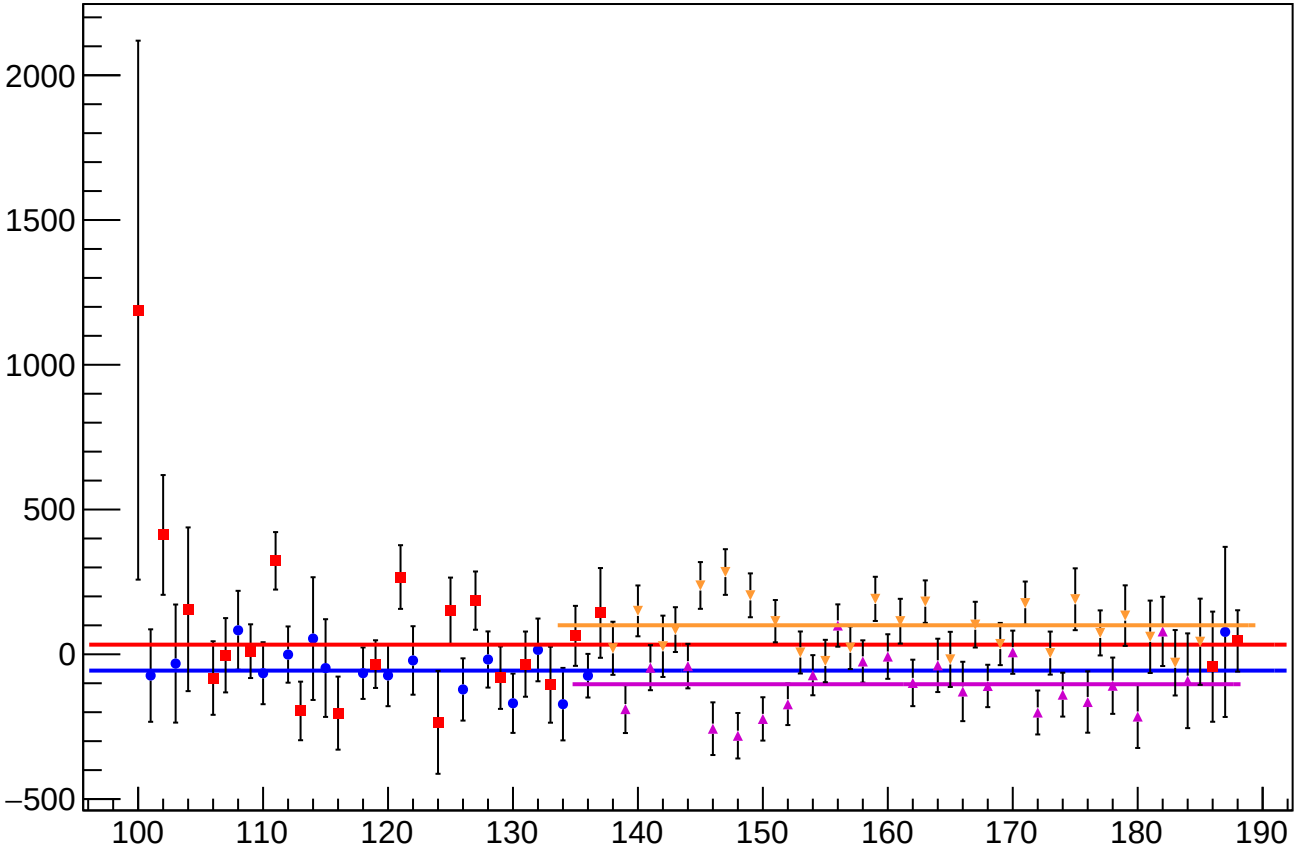
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 314.934+/-0.045 χ^2/NDF: 3535454.1/41

All: 314.226+/-0.032 χ^2/NDF: 8630621.9/85

- sign 313.511+/-0.045 χ^2/NDF: 5094662.0/43

eigen_dit_asym_sam7_mean vs Slug



Right In: -56.311+/-27.959 χ^2/NDF: 5.1/16

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 33.321+/-26.270 χ^2/NDF: 37.3/20

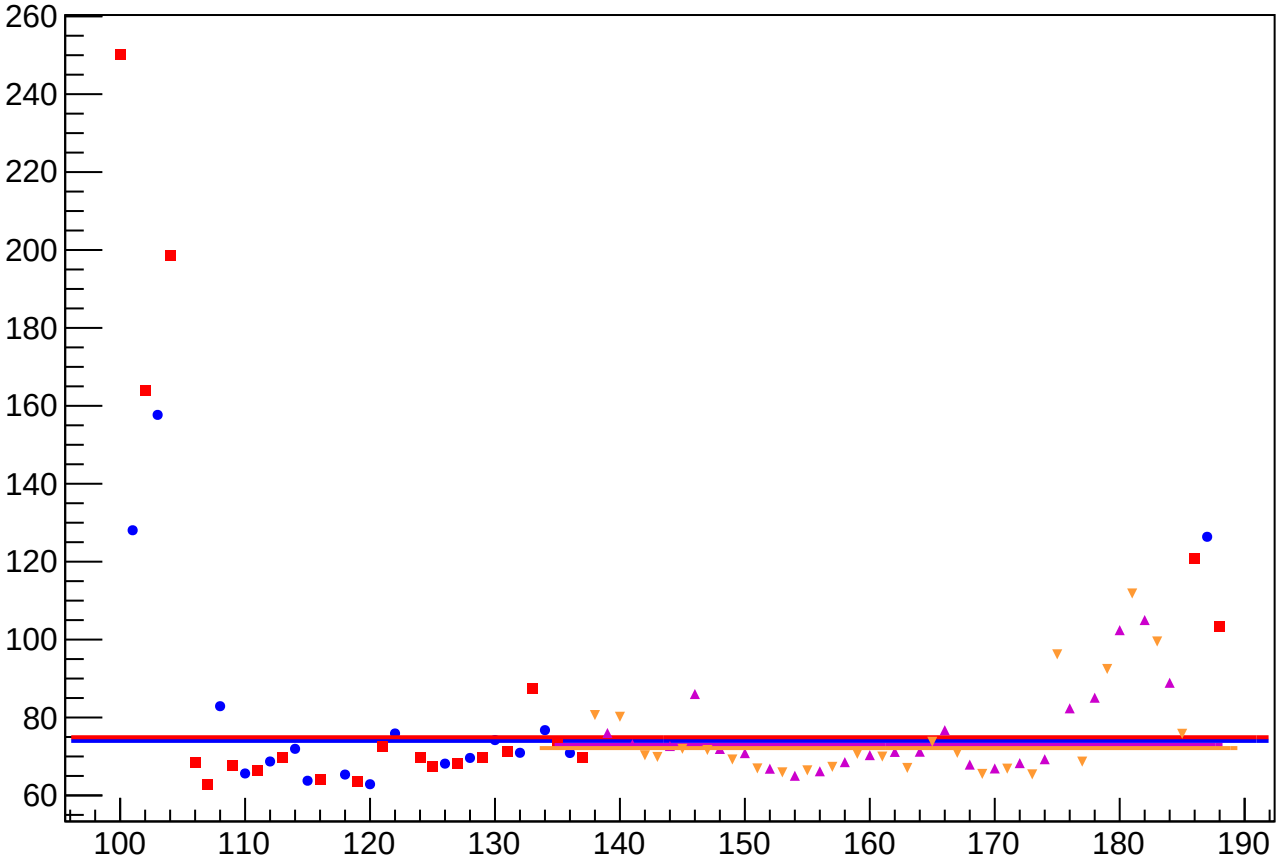
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 59.374+/-14.290 χ^2/NDF: 56.0/41

All: -0.814+/-10.152 χ^2/NDF: 180.7/85

- sign -62.149+/-14.425 χ^2/NDF: 89.0/43

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.998+/-0.020 χ^2/NDF: 721023.7/16

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 74.934+/-0.019 χ^2/NDF: 1241585.4/20

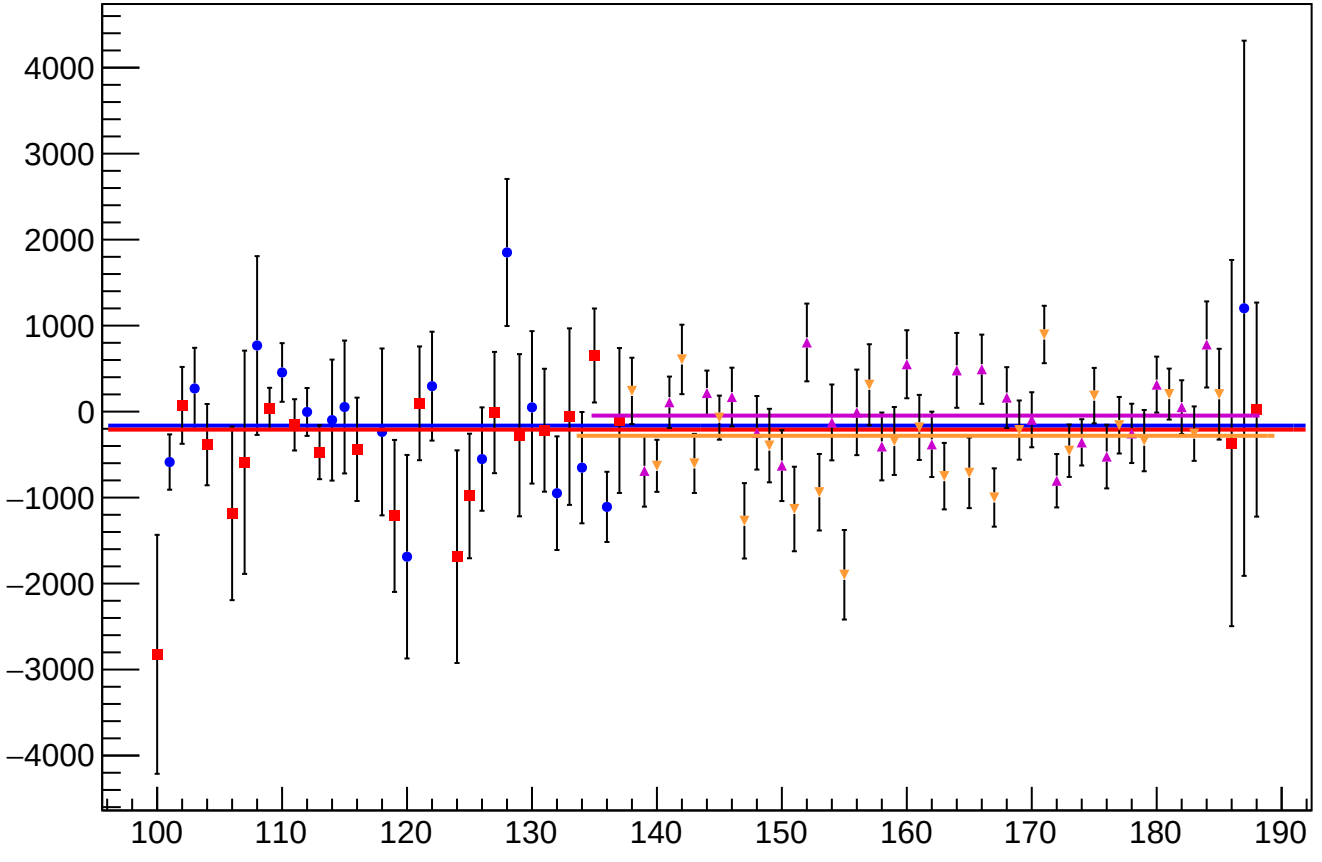
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 72.632+/-0.010 χ^2/NDF: 1369446.6/41

All: 73.085+/-0.007 χ^2/NDF: 3132105.6/85

- sign 73.547+/-0.010 χ^2/NDF: 1758600.0/43

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -163.173+/-128.327 χ^2/NDF: 22.8/16

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -209.673+/-119.378 χ^2/NDF: 13.7/20

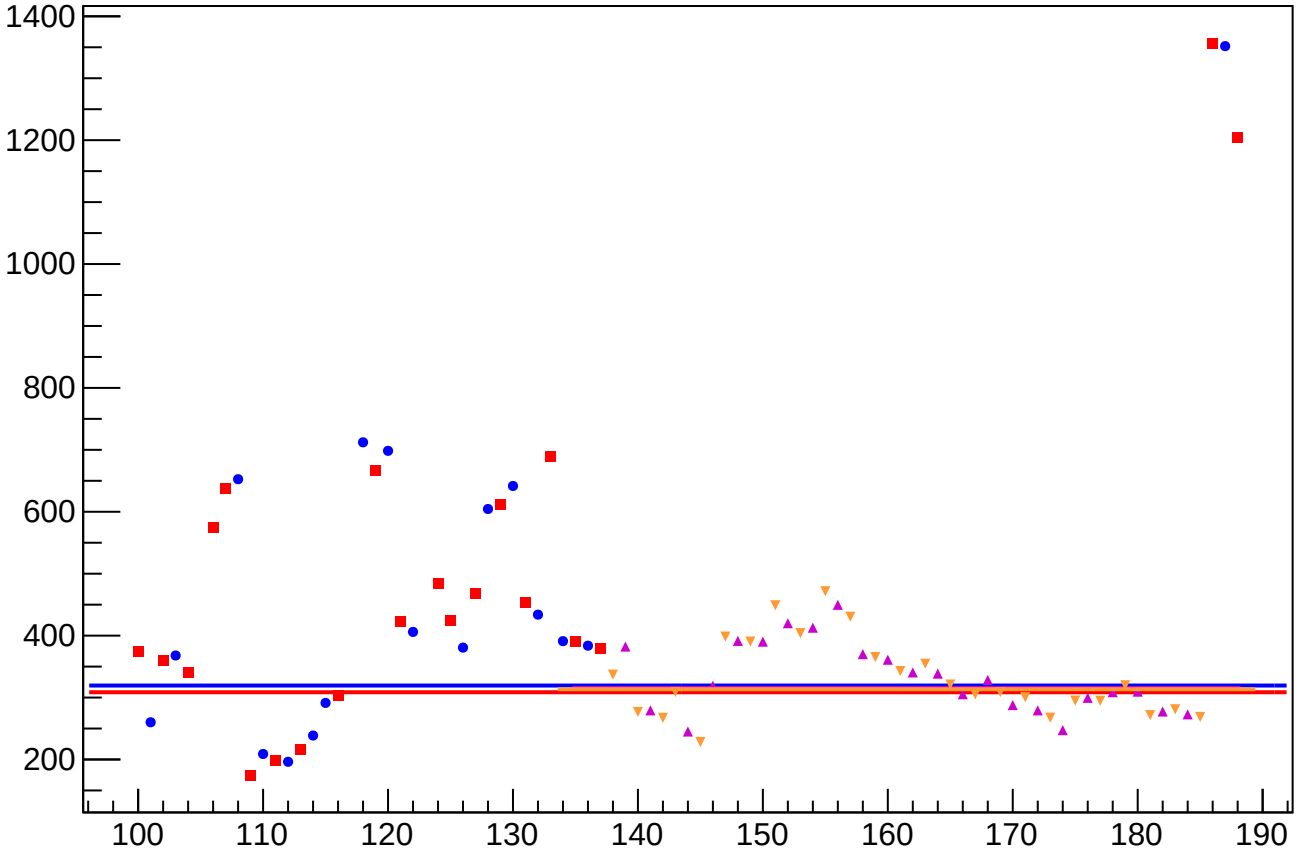
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -252.624+/-63.148 χ^2/NDF: 80.3/41

All: -173.005+/-44.757 χ^2/NDF: 129.2/85

- sign -92.637+/-63.444 χ^2/NDF: 45.7/43

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 319.420+/-0.091 χ^2/NDF: 2356728.8/16

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 308.569+/-0.084 χ^2/NDF: 4081380.2/20

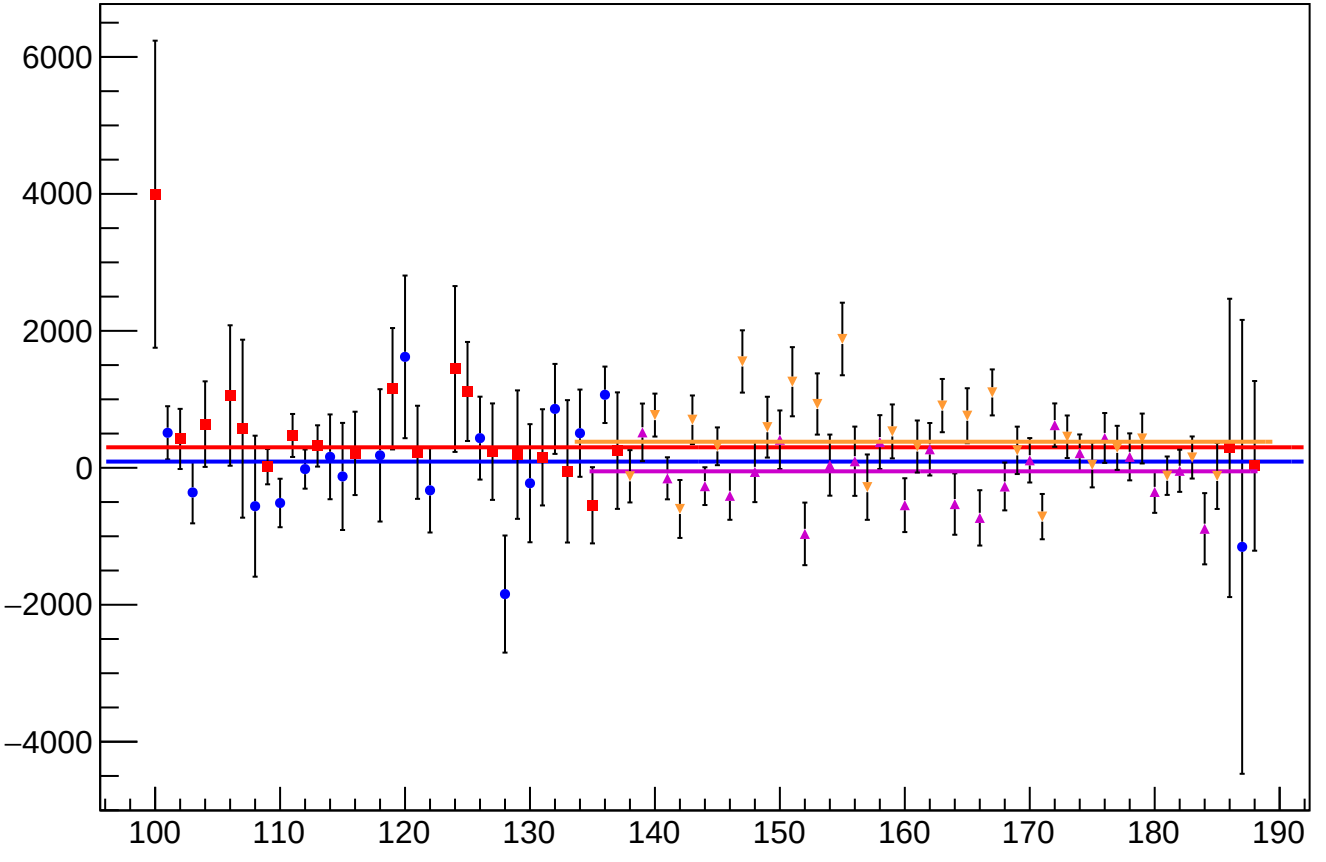
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

\+ sign 314.934+/-0.045 χ^2/NDF: 3535489.0/41

All: 314.225+/-0.032 χ^2/NDF: 8630672.7/85

\- sign 313.510+/-0.045 χ^2/NDF: 5094678.1/43

asym_sam7_mean vs Slug



Right In: 90.830+/-131.823 χ^2/NDF: 21.0/16

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 299.532+/-123.104 χ^2/NDF: 10.9/20

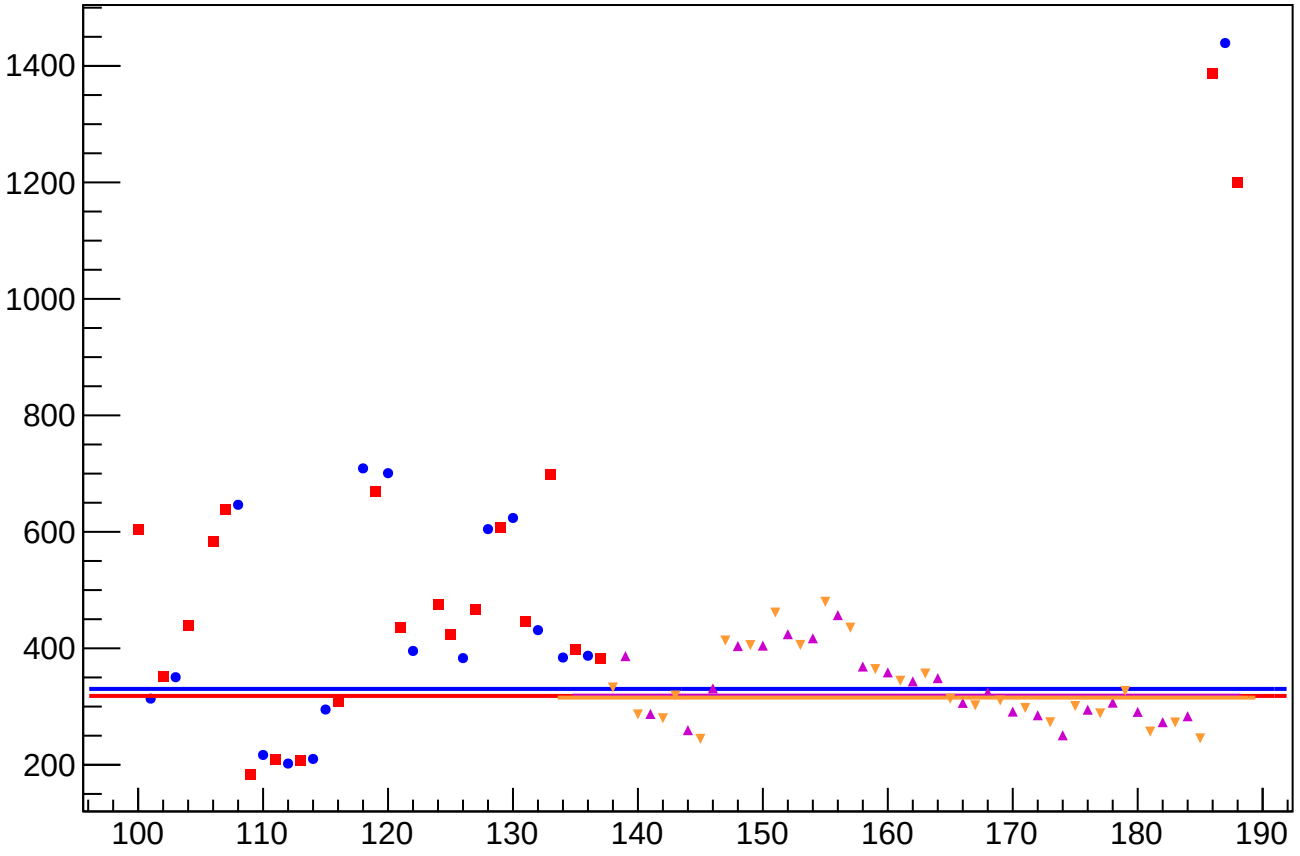
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 312.531+/-63.900 χ^2/NDF: 80.1/41

All: 179.745+/-45.374 χ^2/NDF: 133.8/85

- sign 44.704+/-64.440 χ^2/NDF: 45.0/43

asym_sam7_rms vs Slug



Right In: 330.324+/-0.093 χ^2/NDF: 2183171.7/16

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

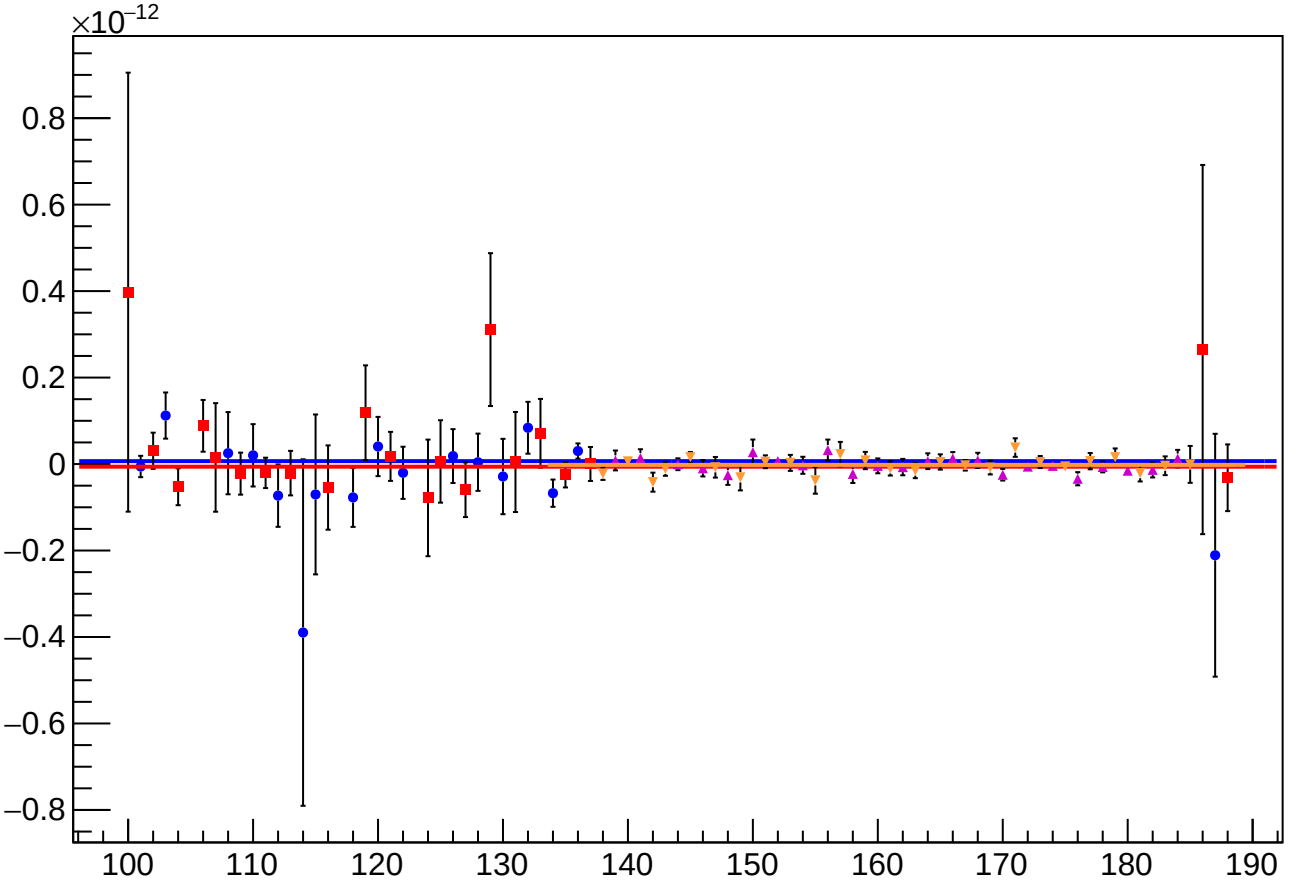
Right Out: 318.262+/-0.087 χ^2/NDF: 4040444.4/20

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

\+ sign 318.903+/-0.045 χ^2/NDF: 3412899.9/41

All: 318.739+/-0.032 χ^2/NDF: 8444993.2/85

\- sign 318.571+/-0.046 χ^2/NDF: 5032066.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

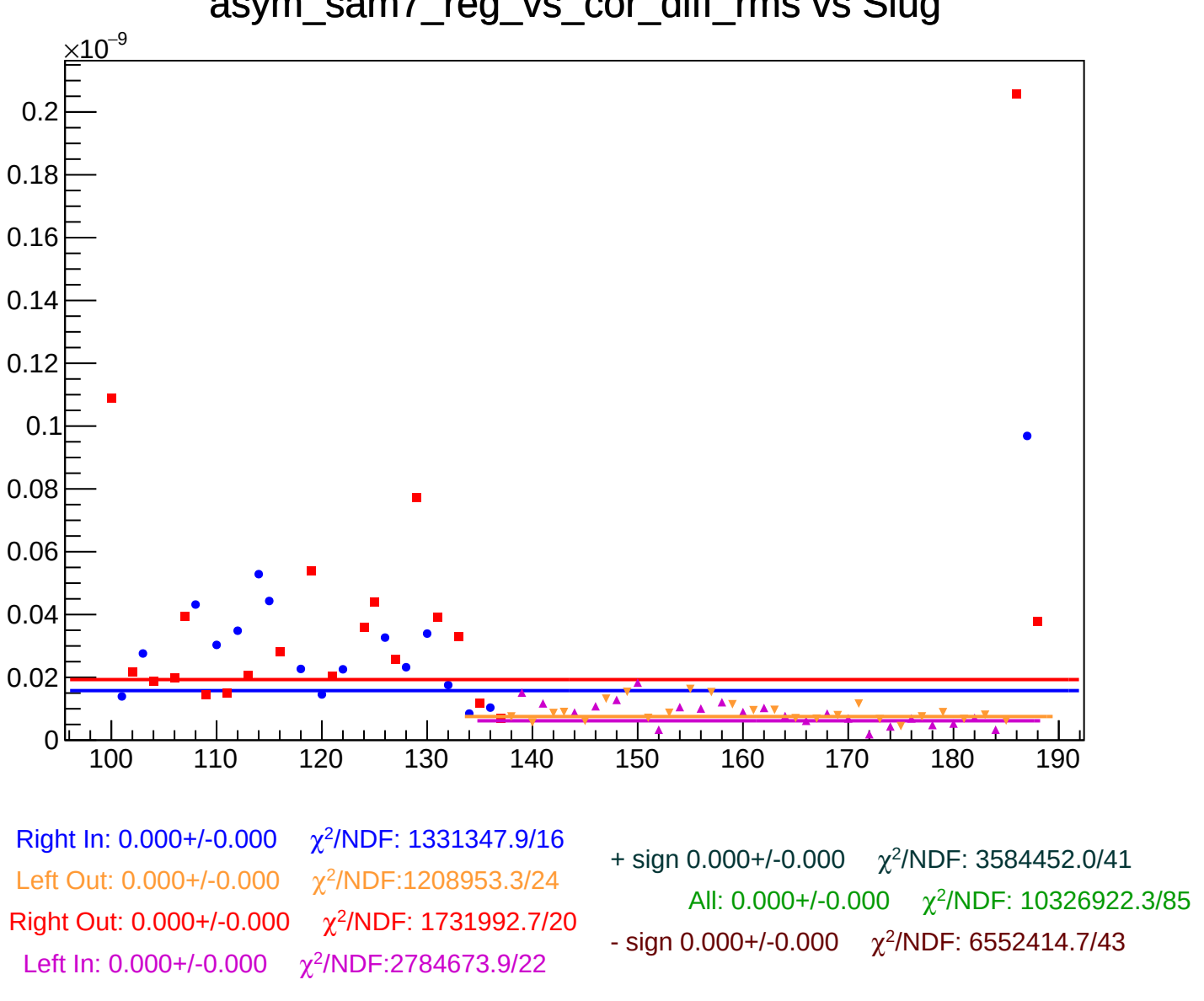
Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/20

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

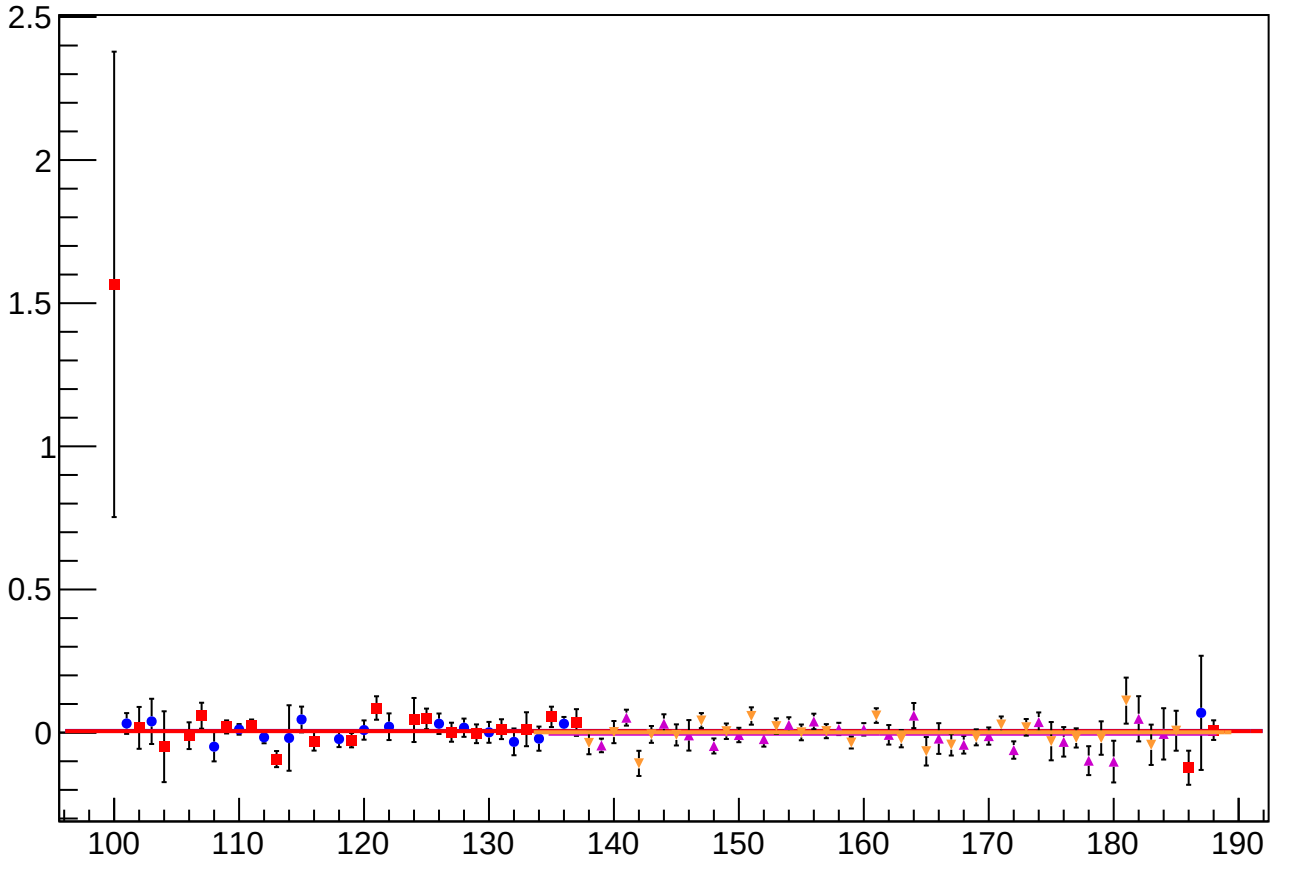
+ sign -0.000+/-0.000 χ^2/NDF: 37.9/41

All: -0.000+/-0.000 χ^2/NDF: 69.5/85

- sign -0.000+/-0.000 χ^2/NDF: 31.0/43


asym_sam7_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1331347.9/16
Left Out: 0.000+/-0.000 χ²/NDF:1208953.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 1731992.7/20
Left In: 0.000+/-0.000 χ²/NDF:2784673.9/22
+ sign 0.000+/-0.000 χ²/NDF: 3584452.0/41
All: 0.000+/-0.000 χ²/NDF: 10326922.3/85
- sign 0.000+/-0.000 χ²/NDF: 6552414.7/43

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/20

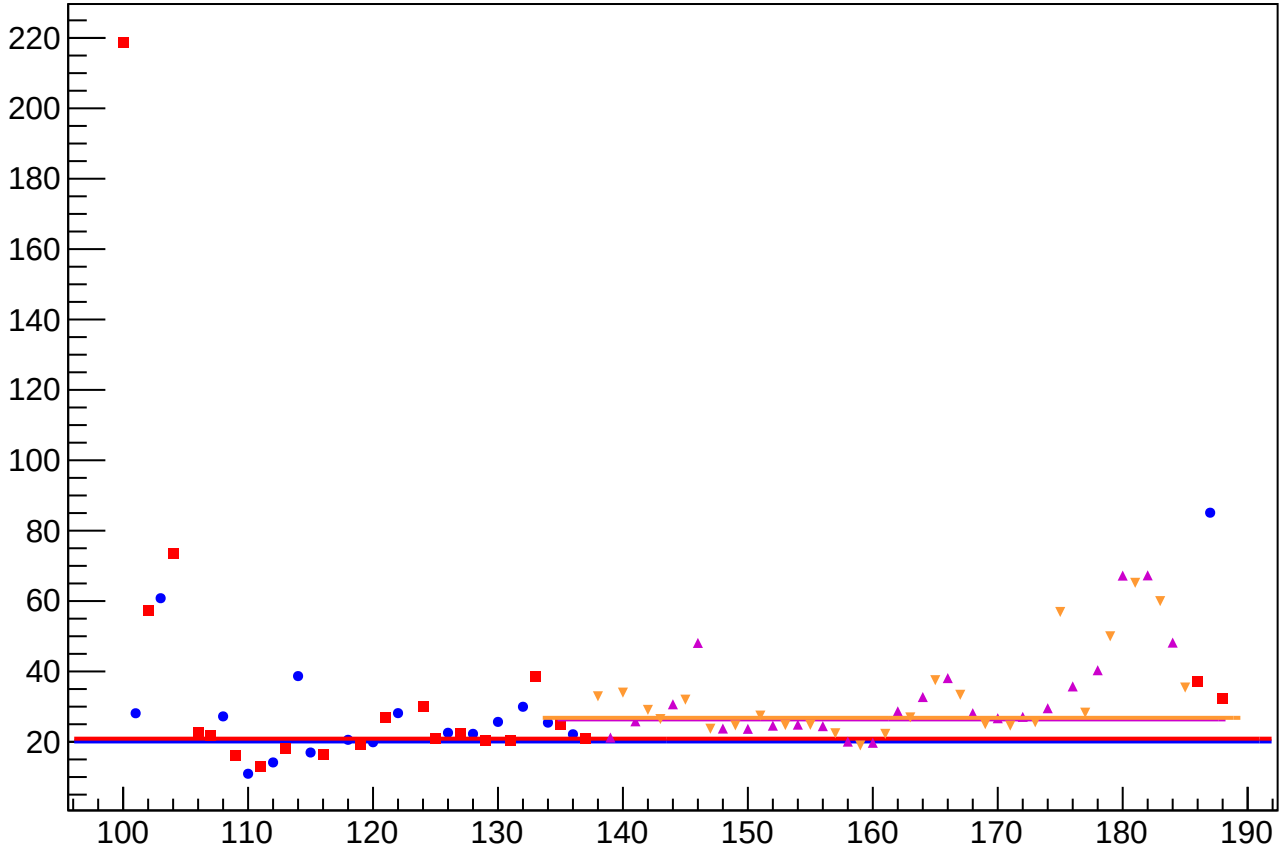
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.5/41

All: 0.001+/-0.004 χ^2/NDF: 105.1/85

- sign -0.000+/-0.005 χ^2/NDF: 66.4/43

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.109+/-0.006 χ^2/NDF: 1854196.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 20.899+/-0.006 χ^2/NDF: 2114868.1/20

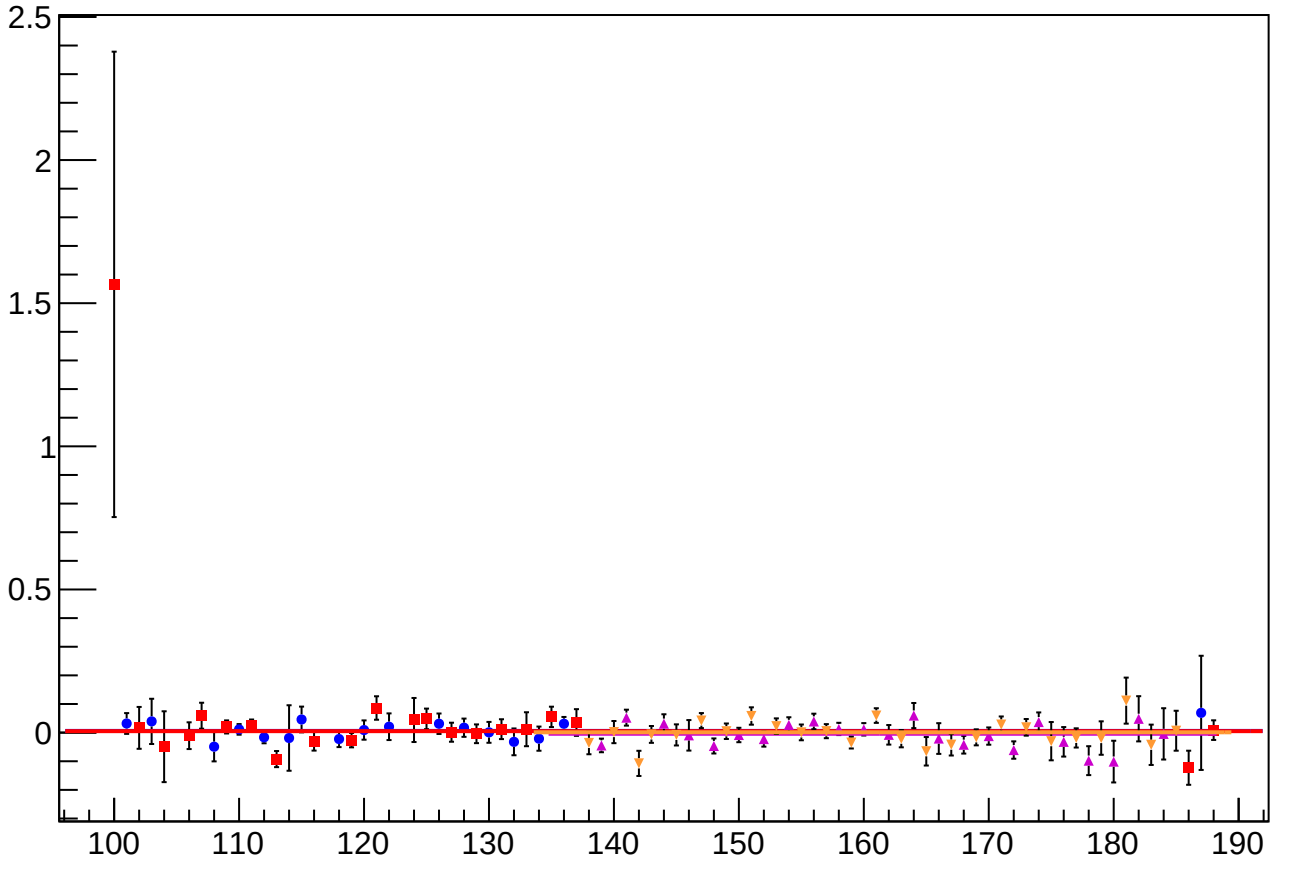
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

\+ sign 24.218+/-0.004 χ^2/NDF: 5152074.8/41

All: 24.155+/-0.003 χ^2/NDF: 10407514.9/85

\- sign 24.093+/-0.004 χ^2/NDF: 5254829.8/43

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/20

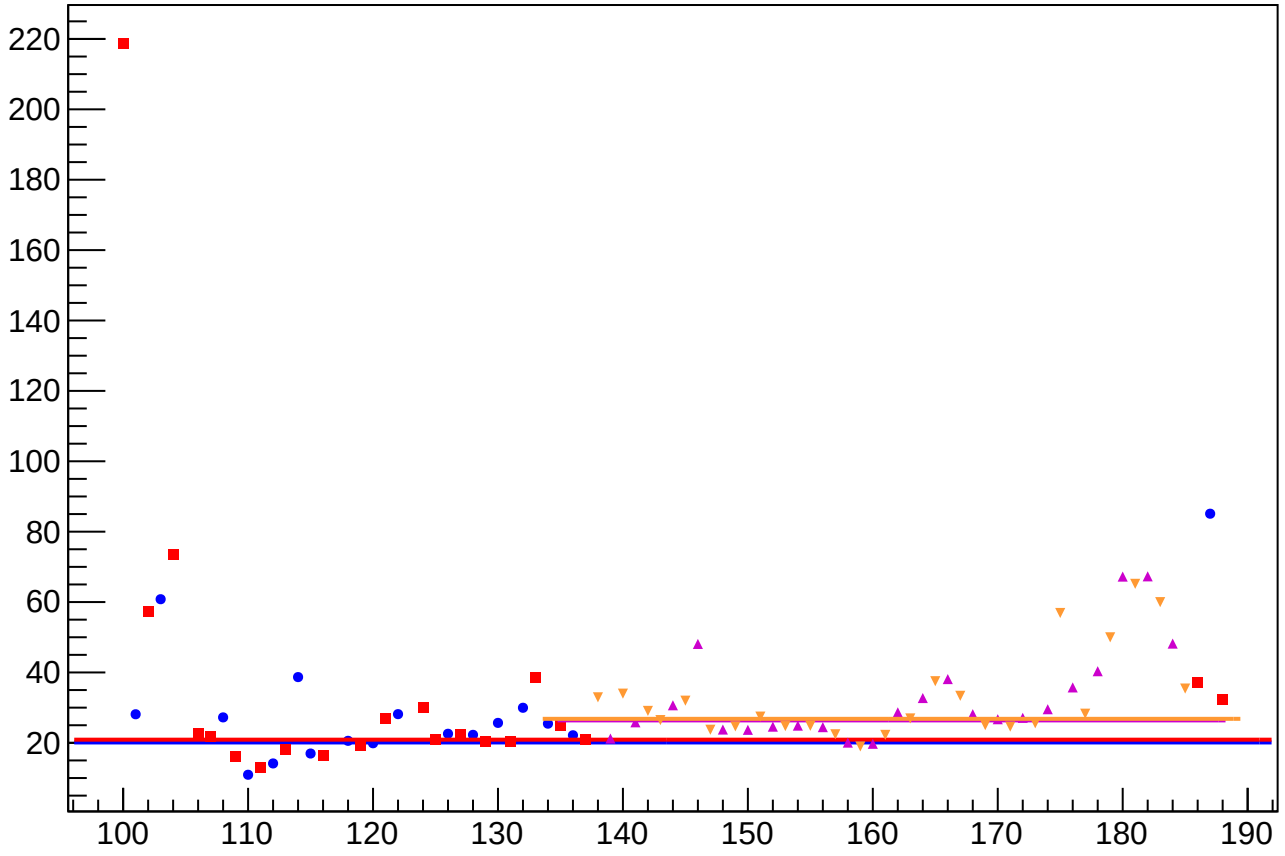
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.5/41

All: 0.001+/-0.004 χ^2/NDF: 105.1/85

- sign -0.000+/-0.005 χ^2/NDF: 66.4/43

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.109+/-0.006 χ^2/NDF: 1854196.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

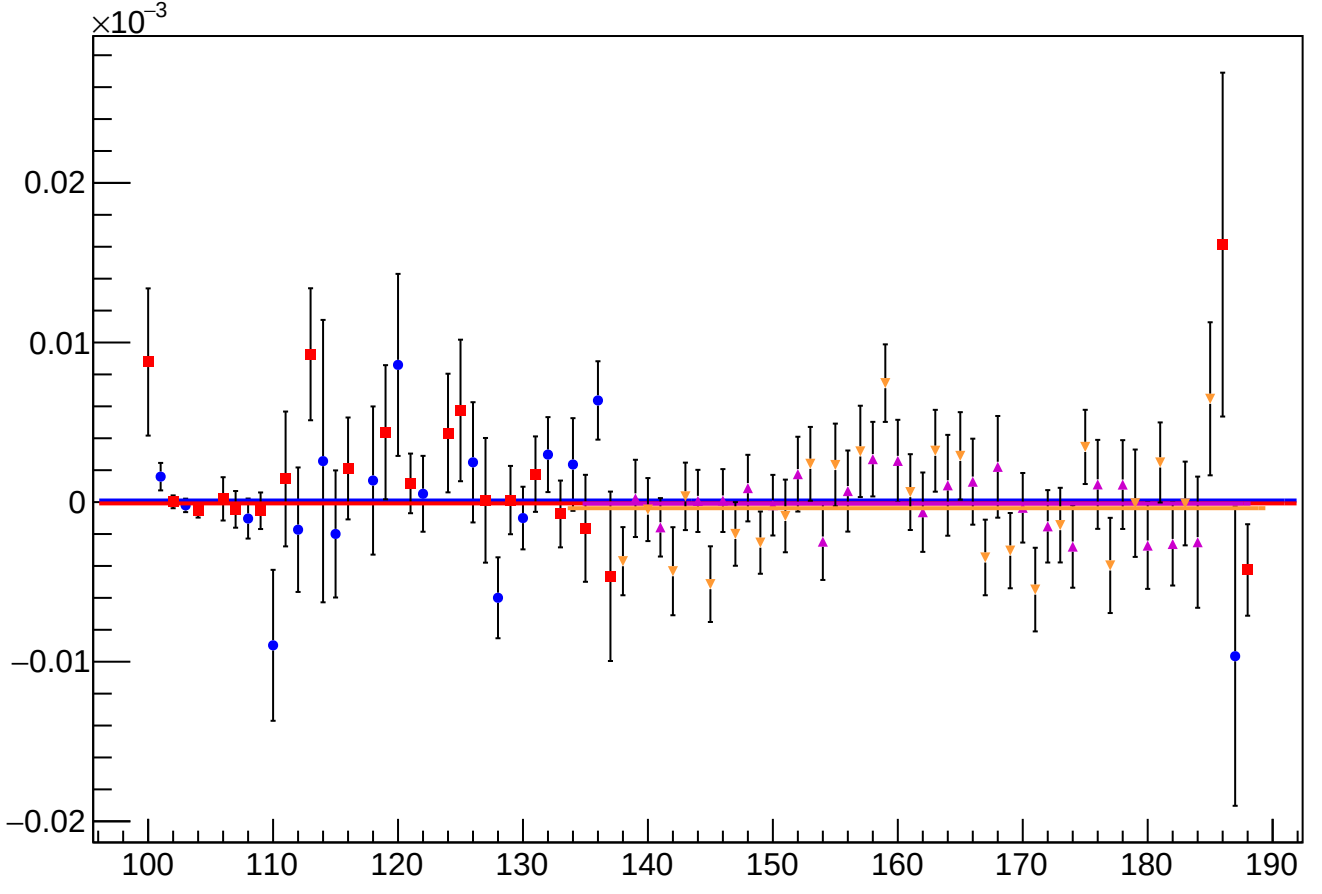
Right Out: 20.899+/-0.006 χ^2/NDF: 2114868.1/20

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

\+ sign 24.218+/-0.004 χ^2/NDF: 5152074.8/41

All: 24.155+/-0.003 χ^2/NDF: 10407514.9/85

\- sign 24.093+/-0.004 χ^2/NDF: 5254829.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/20

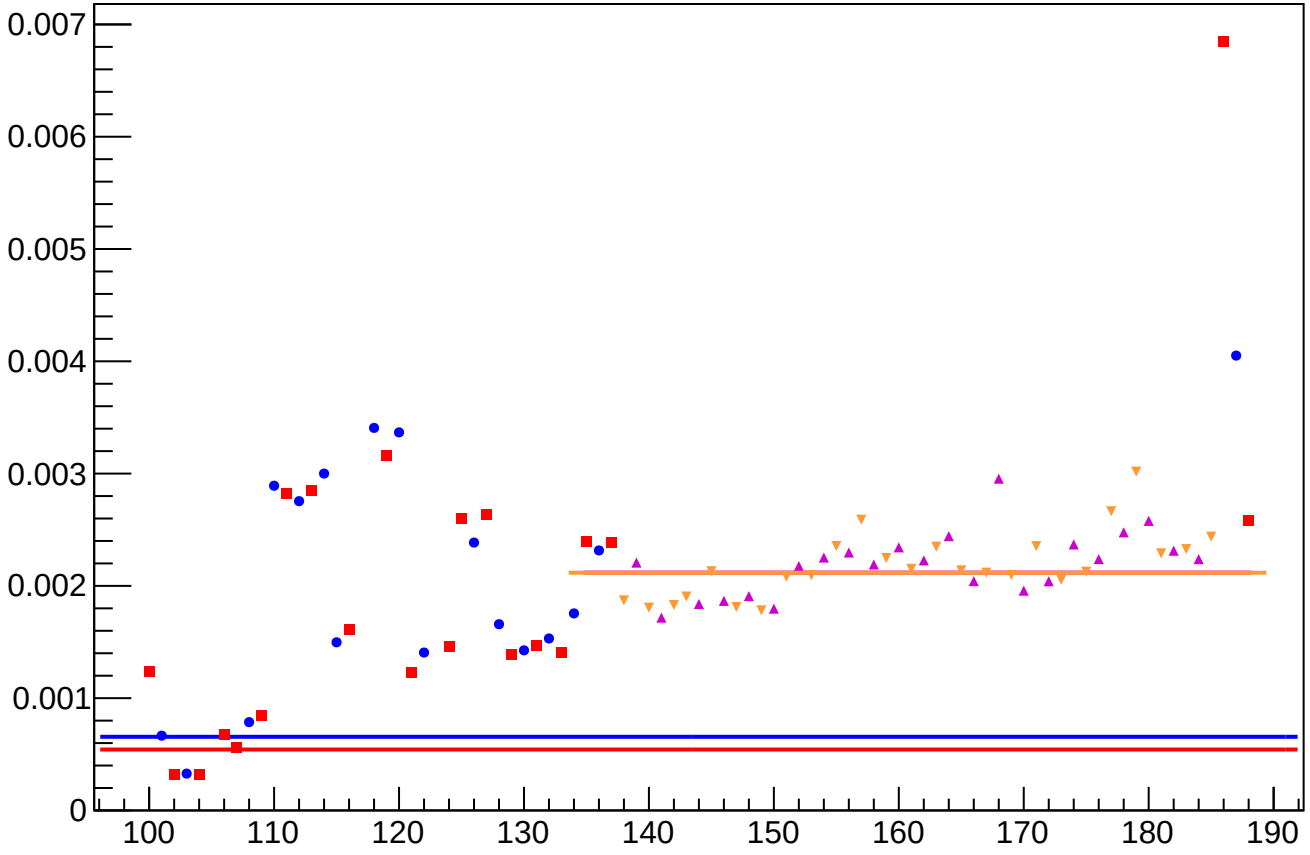
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.9/41

All: -0.000+/-0.000 χ^2/NDF: 102.6/85

- sign -0.000+/-0.000 χ^2/NDF: 31.7/43

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6620129.5/16

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8388380.3/20

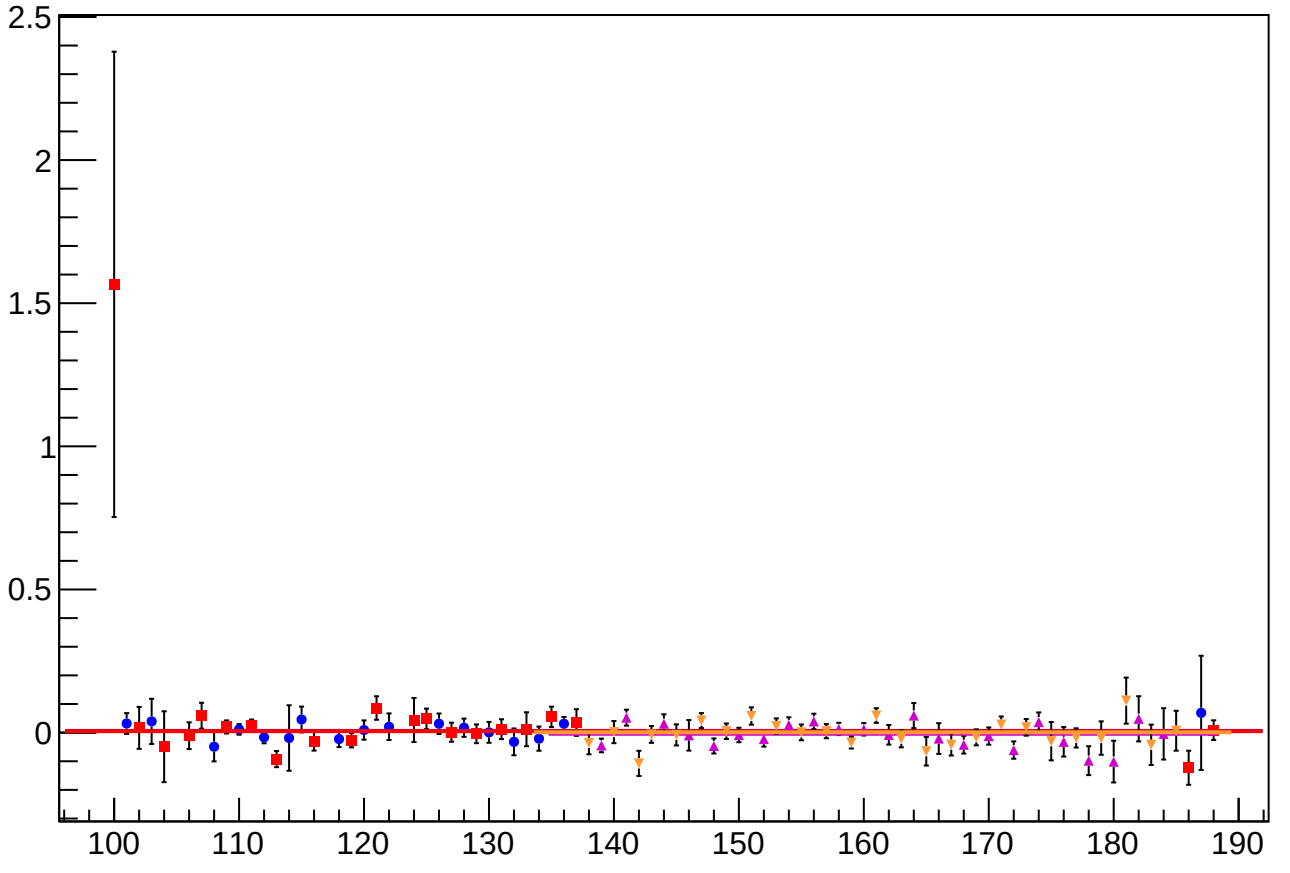
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 19481236.8/41

All: 0.001+/-0.000 χ^2/NDF: 45046415.0/85

- sign 0.001+/-0.000 χ^2/NDF: 24618551.9/43

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/20

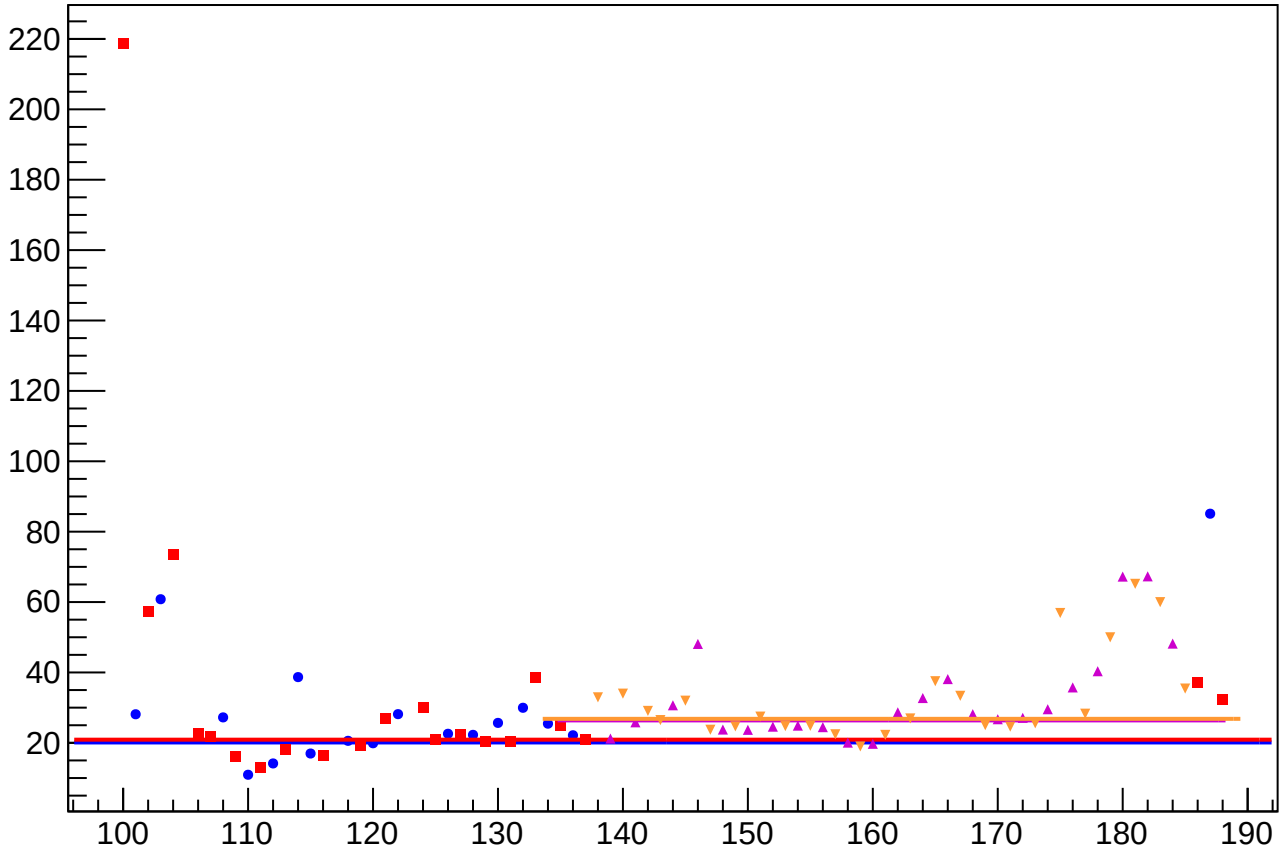
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.5/41

All: 0.001+/-0.004 χ^2/NDF: 105.1/85

- sign -0.000+/-0.005 χ^2/NDF: 66.4/43

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.109+/-0.006 χ^2/NDF: 1854025.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

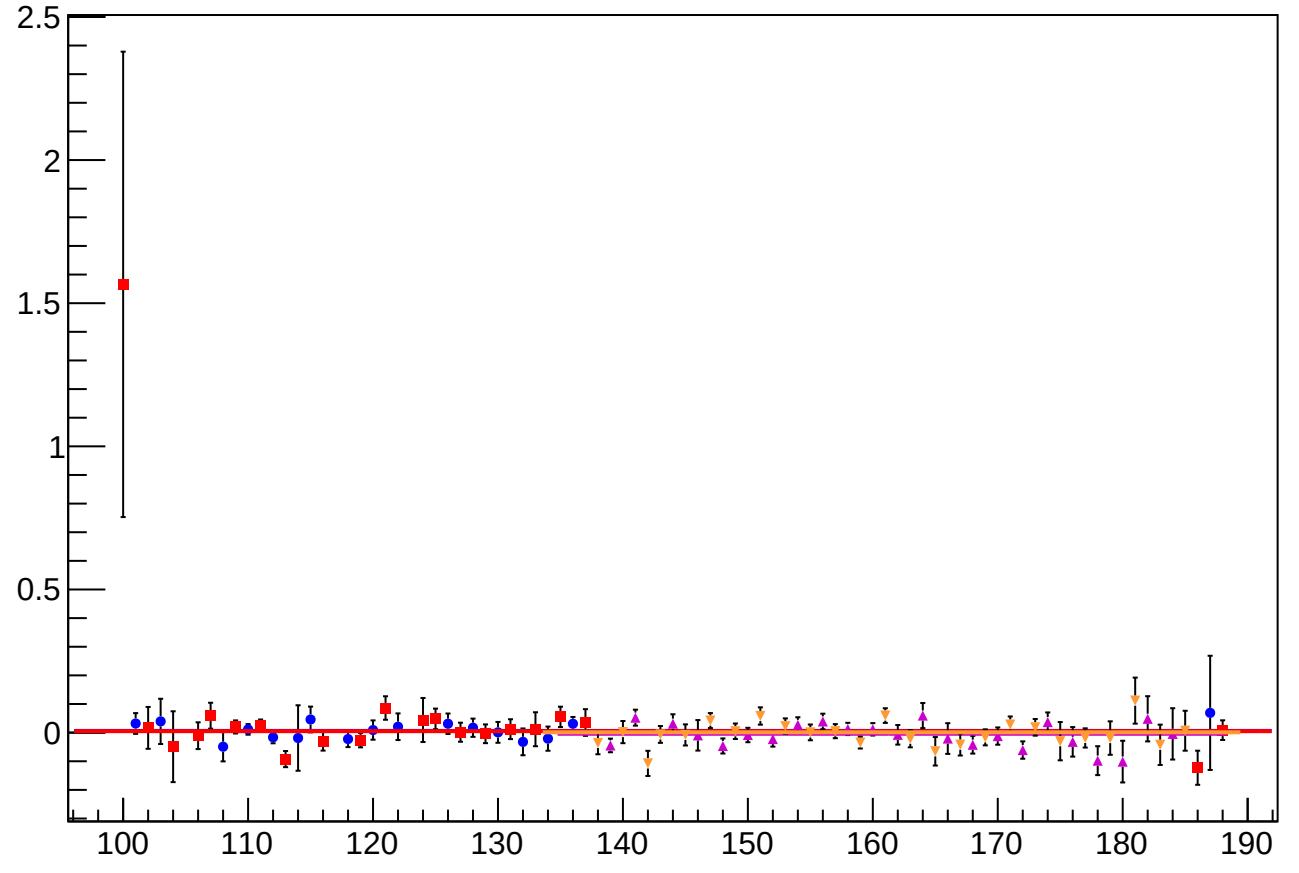
Right Out: 20.899+/-0.006 χ^2/NDF: 2114755.7/20

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.219+/-0.004 χ^2/NDF: 5151823.1/41

All: 24.156+/-0.003 χ^2/NDF: 10407199.8/85

- sign 24.093+/-0.004 χ^2/NDF: 5254764.4/43



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

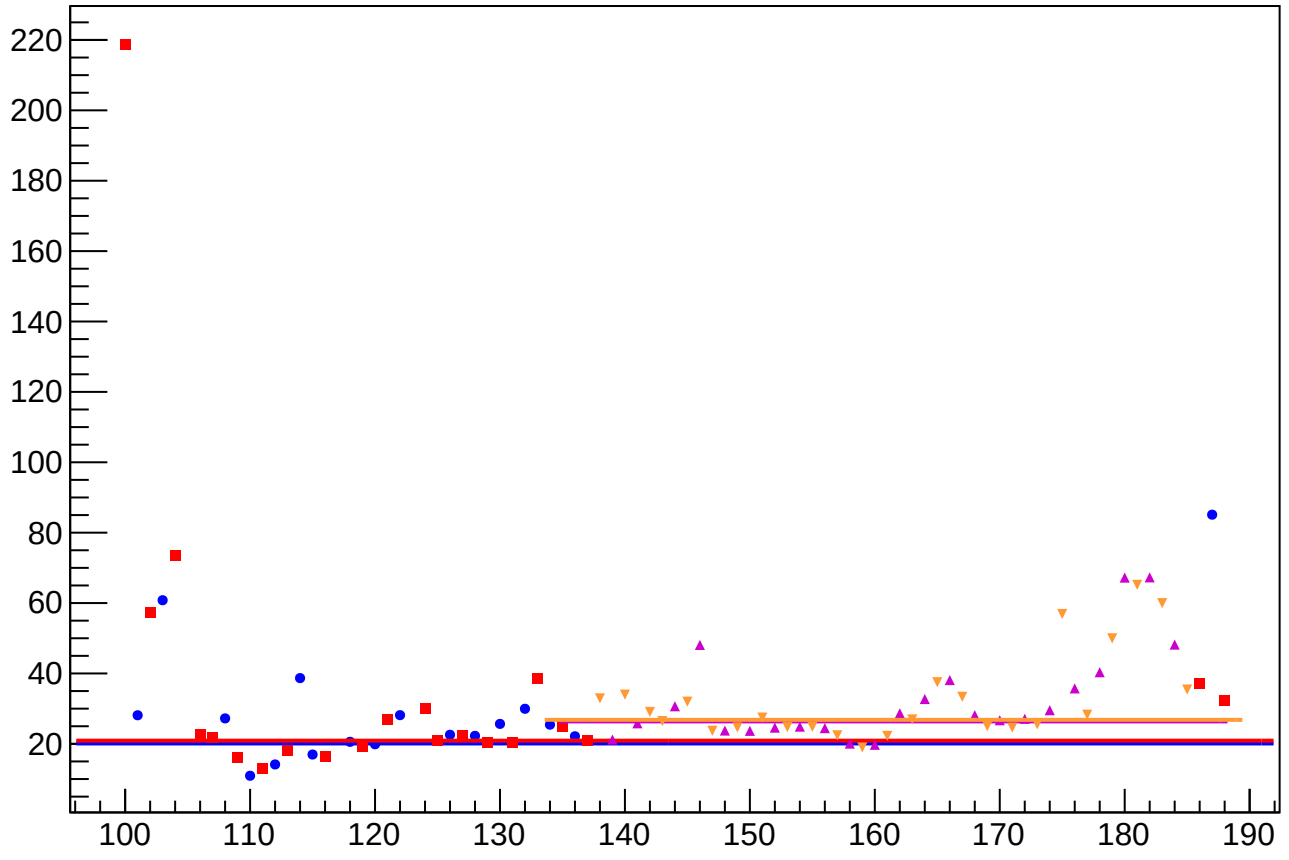
Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/20

Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.5/41

All: 0.001+/-0.004 χ^2/NDF: 105.1/85

- sign -0.000+/-0.005 χ^2/NDF: 66.4/43



Right In: 20.109+/-0.006 χ^2/NDF: 1854025.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

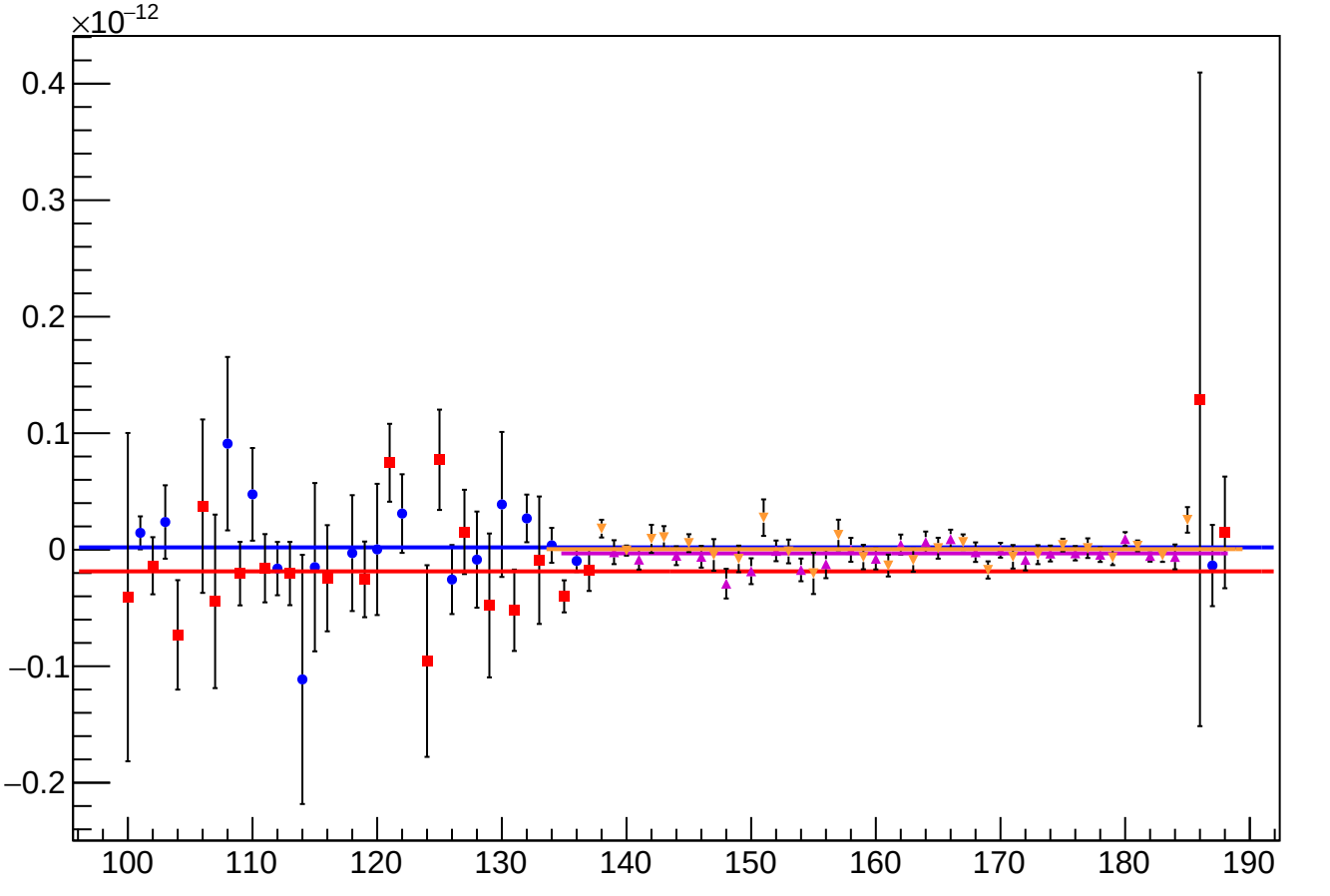
Right Out: 20.899+/-0.006 χ^2/NDF: 2114755.7/20

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.219+/-0.004 χ^2/NDF: 5151823.1/41

All: 24.156+/-0.003 χ^2/NDF: 10407199.8/85

- sign 24.093+/-0.004 χ^2/NDF: 5254764.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/20

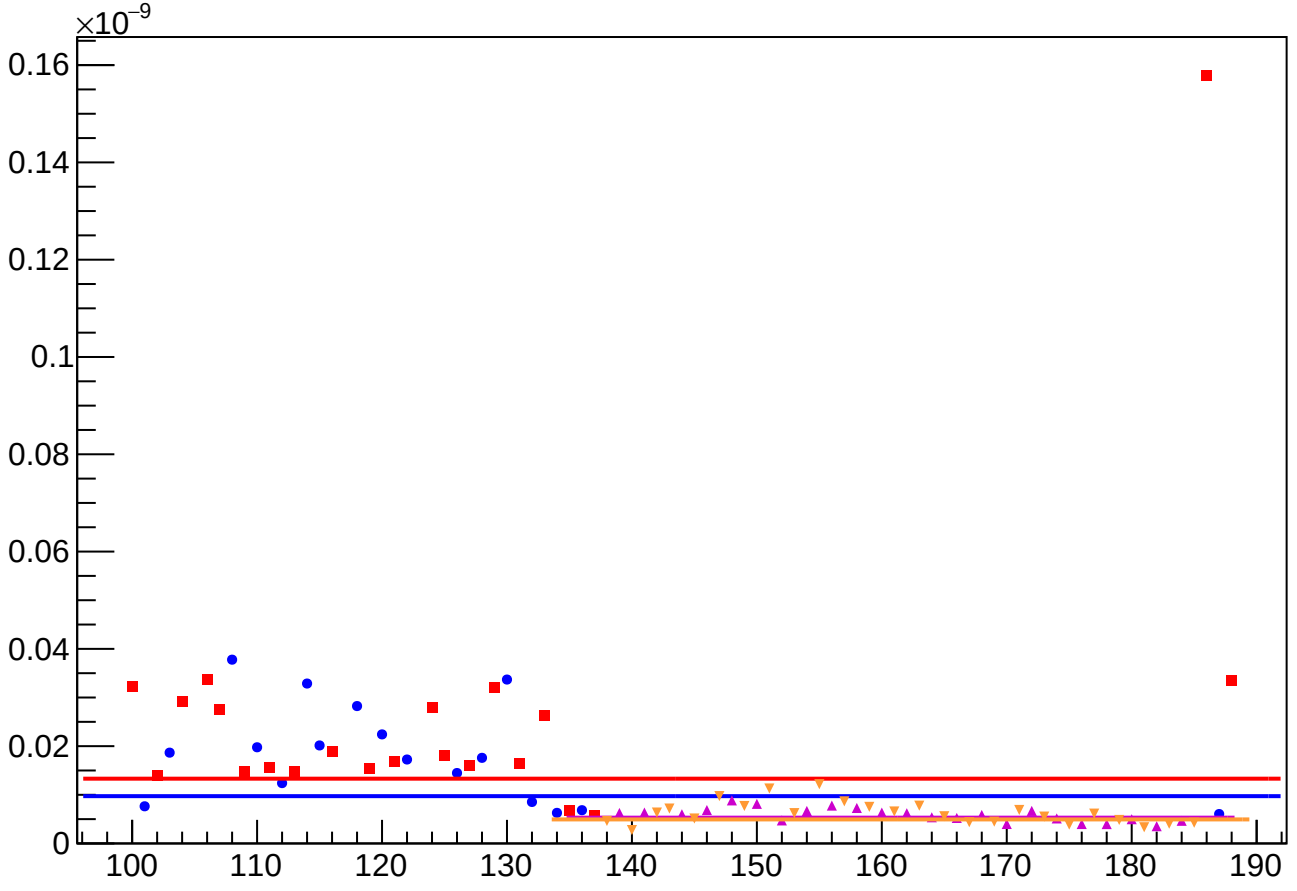
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.7/41

All: -0.000+/-0.000 χ^2/NDF: 92.7/85

- sign -0.000+/-0.000 χ^2/NDF: 44.7/43

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1999912.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2698062.2/20

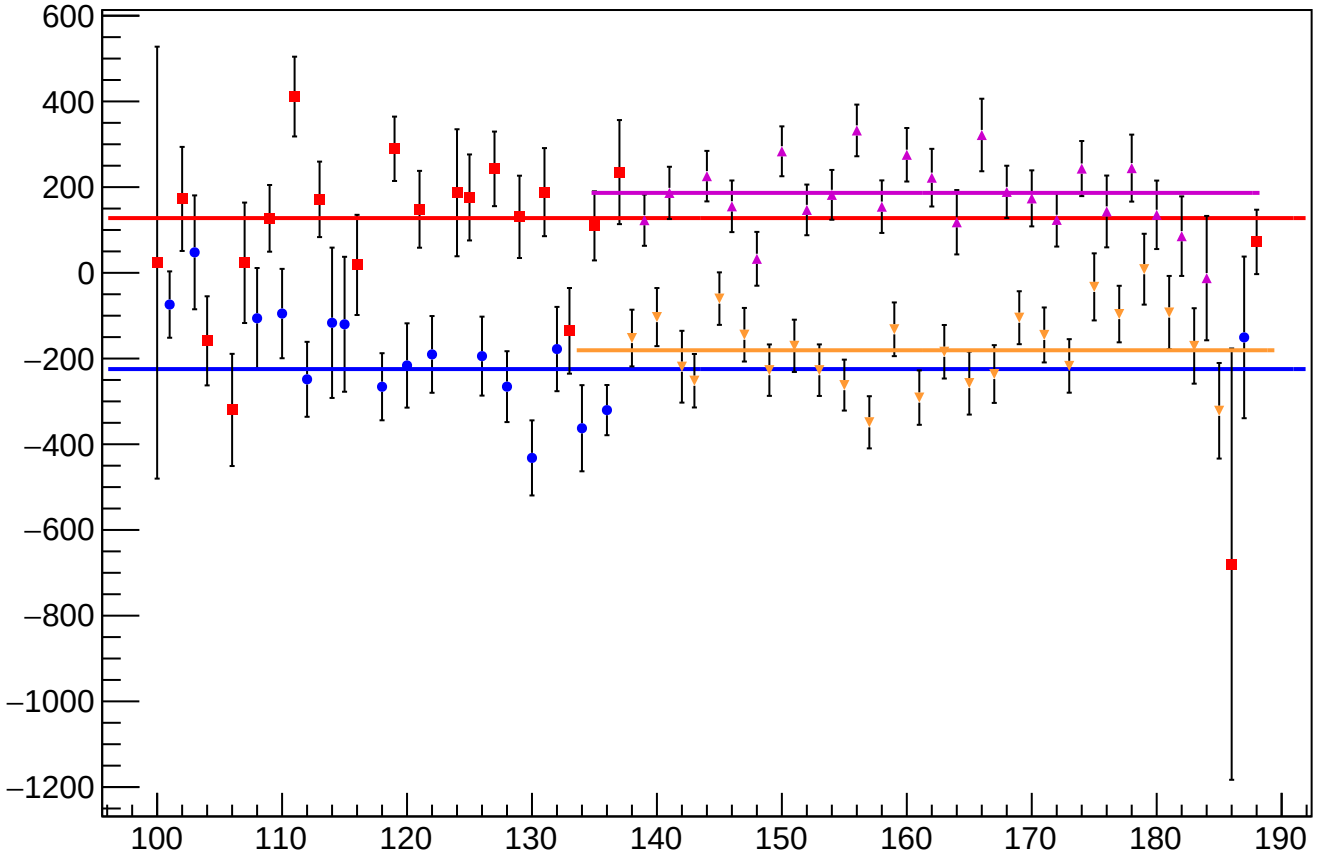
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6083645.4/41

All: 0.000+/-0.000 χ^2/NDF: 12605565.7/85

- sign 0.000+/-0.000 χ^2/NDF: 6438647.1/43

reg_asym_sam8_mean vs Slug



Right In: -224.581+/-22.947 χ^2/NDF: 22.8/16

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 127.754+/-22.139 χ^2/NDF: 48.5/20

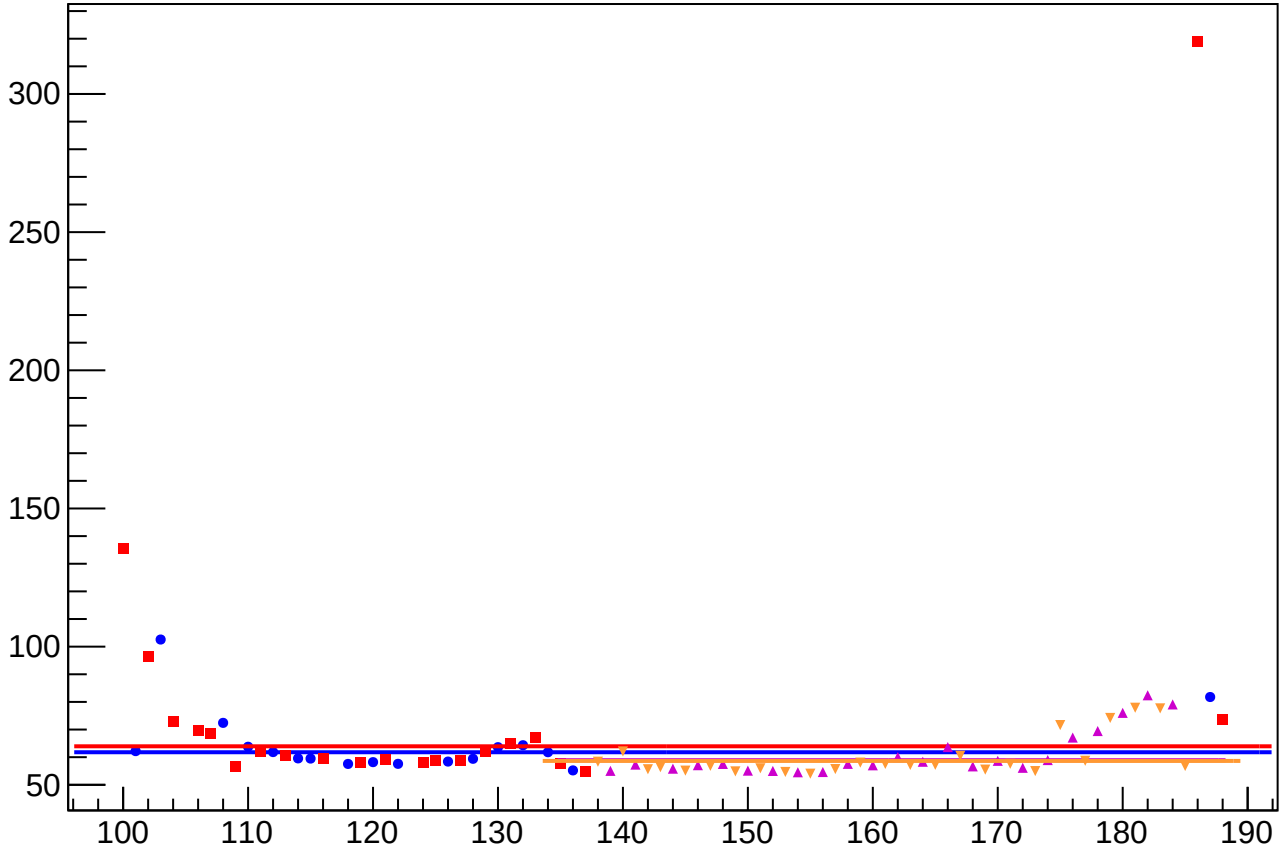
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -191.871+/-11.583 χ^2/NDF: 64.1/41

All: -13.478+/-8.248 χ^2/NDF: 627.8/85

- sign 170.007+/-11.748 χ^2/NDF: 82.5/43

reg_asym_sam8_rms vs Slug



Right In: 61.786+/-0.016 χ^2/NDF: 273464.4/16

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.937+/-0.016 χ^2/NDF: 835644.0/20

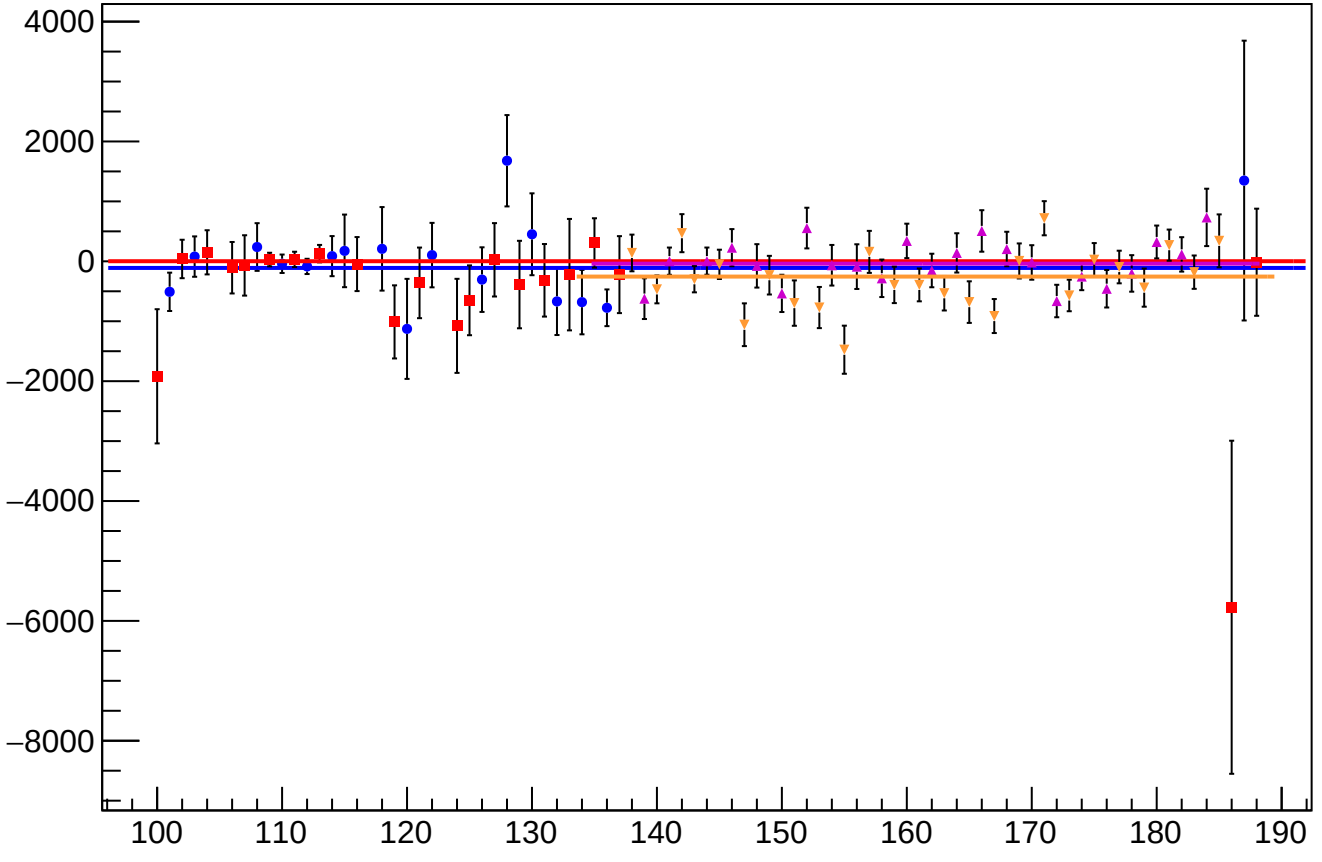
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.445+/-0.008 χ^2/NDF: 695292.6/41

All: 59.877+/-0.006 χ^2/NDF: 1997624.1/85

- sign 60.323+/-0.008 χ^2/NDF: 1296665.2/43

asym_sam8_reg_correction_mean vs Slug



Right In: -110.331+/-76.172 χ^2/NDF: 18.8/16

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 1.750+/-63.753 χ^2/NDF: 16.0/20

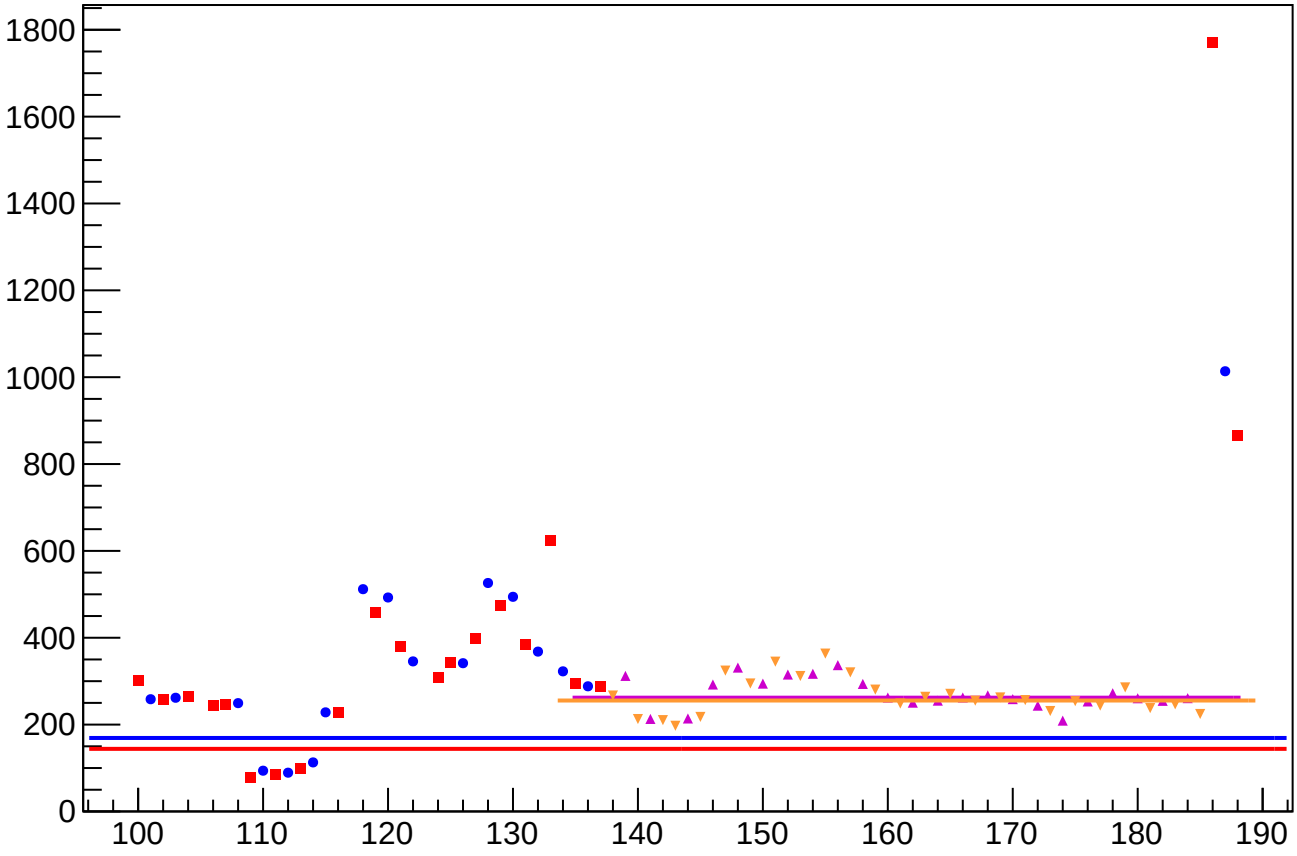
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -200.661+/-46.583 χ^2/NDF: 78.7/41

All: -105.643+/-32.141 χ^2/NDF: 131.2/85

- sign -19.307+/-44.404 χ^2/NDF: 44.5/43

asym_sam8_reg_correction_rms vs Slug



Right In: 169.230+/-0.054 χ^2/NDF: 4806011.4/16

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 144.151+/-0.045 χ^2/NDF: 7156462.3/20

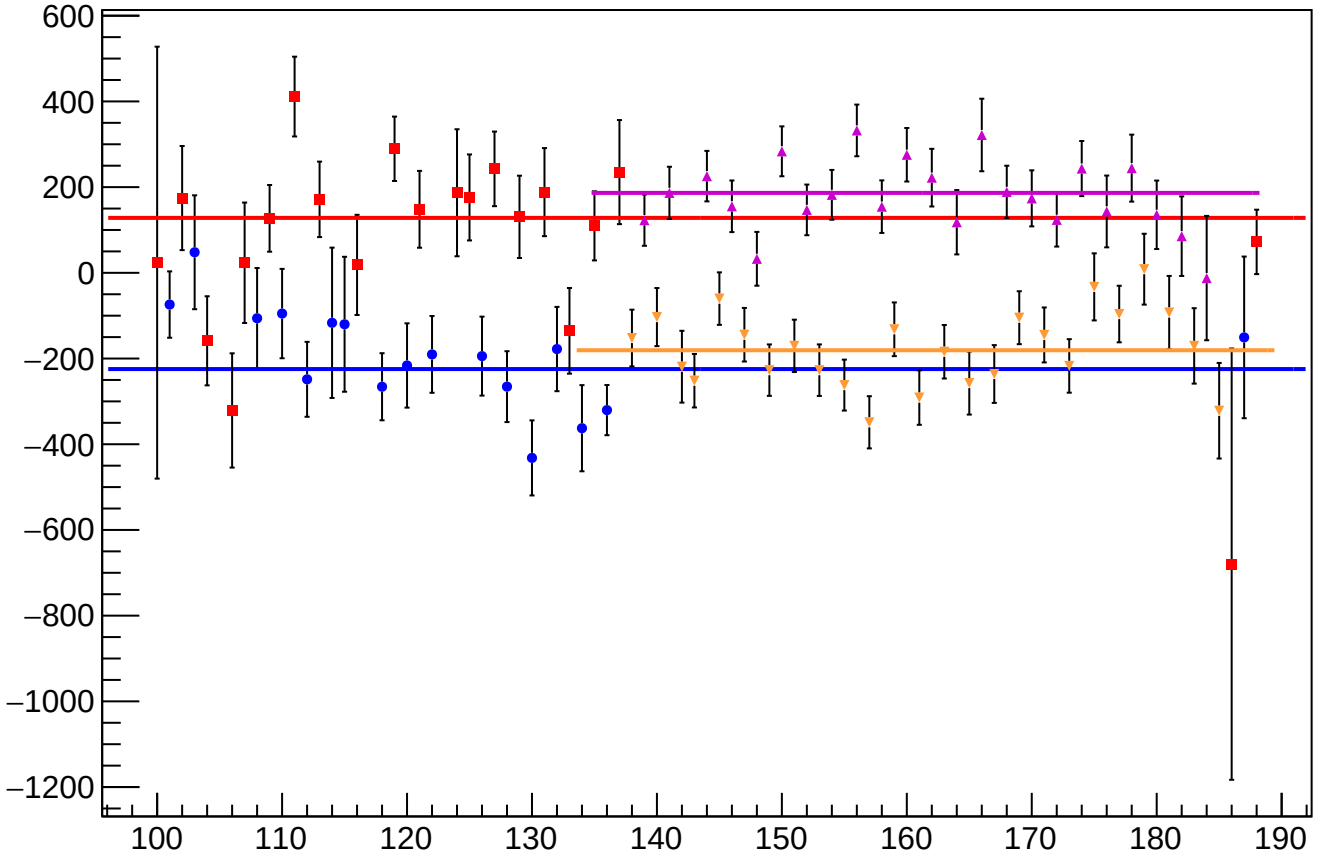
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 223.216+/-0.033 χ^2/NDF: 7274720.8/41

All: 213.584+/-0.023 χ^2/NDF: 18784101.0/85

- sign 204.833+/-0.031 χ^2/NDF: 11346199.4/43

cor_asym_sam8_mean vs Slug



Right In: -224.581+/-22.947 χ^2/NDF: 22.8/16

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 128.248+/-22.151 χ^2/NDF: 48.1/20

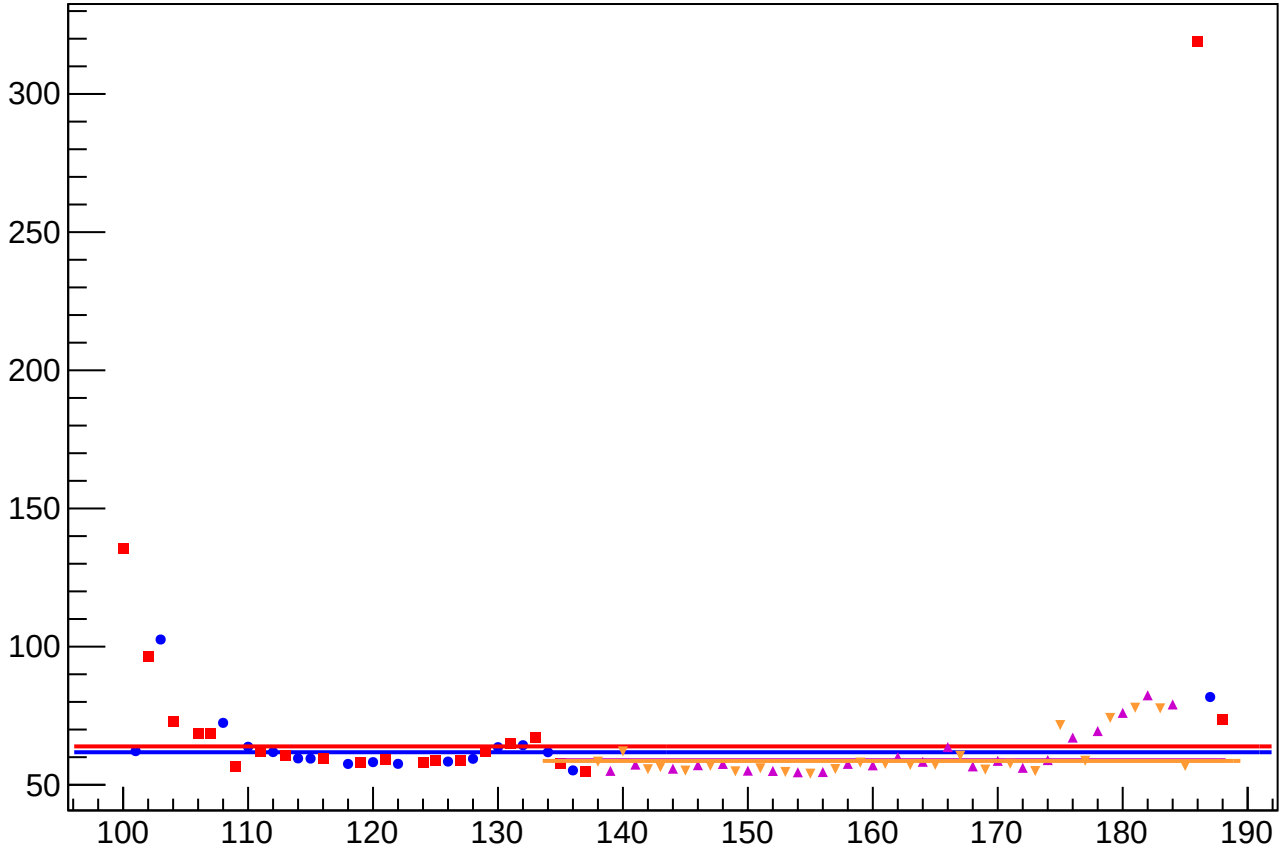
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -191.867+/-11.583 χ^2/NDF: 64.1/41

All: -13.428+/-8.249 χ^2/NDF: 627.7/85

- sign 170.159+/-11.749 χ^2/NDF: 82.1/43

cor_asym_sam8_rms vs Slug



Right In: 61.786+/-0.016 χ^2/NDF: 273466.9/16

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.900+/-0.016 χ^2/NDF: 834364.0/20

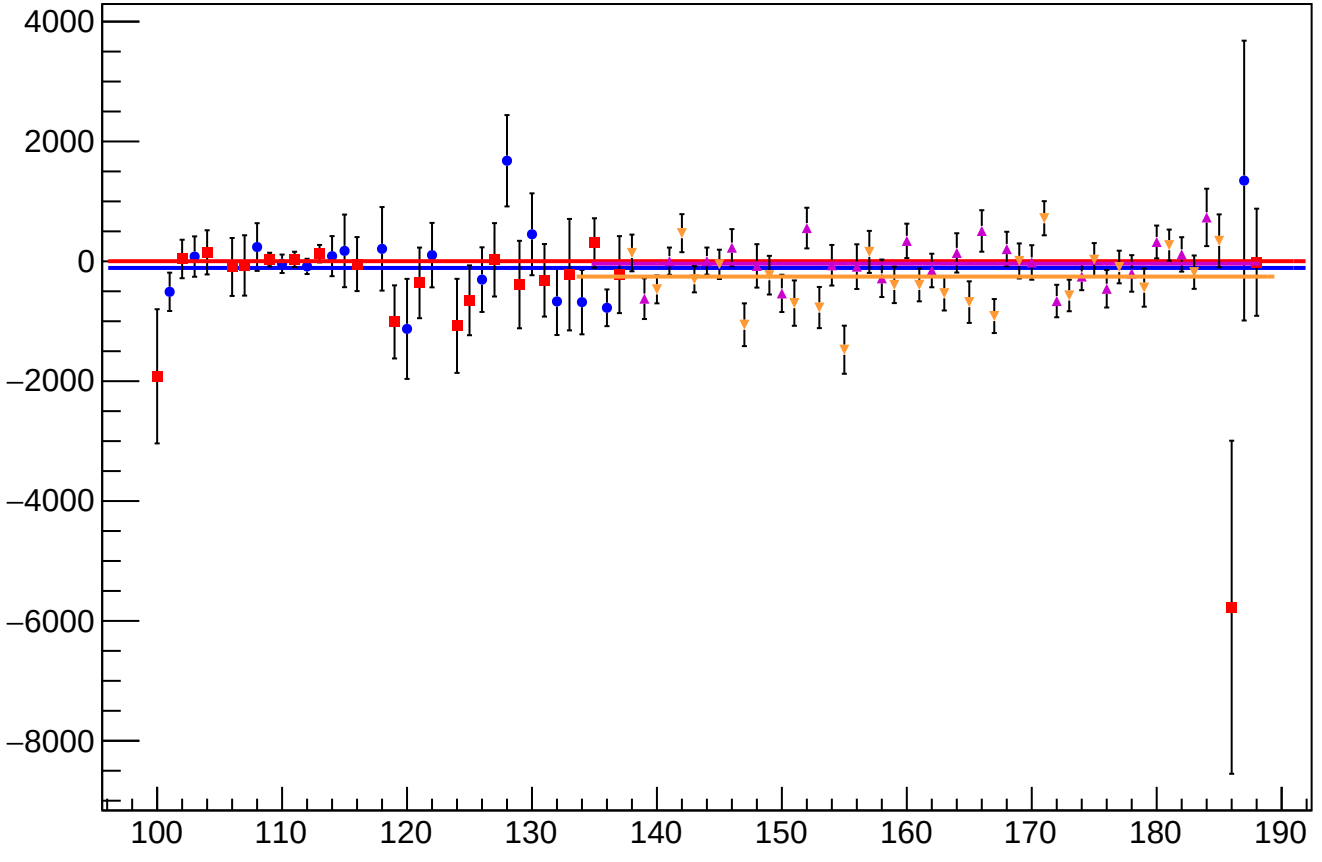
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.445+/-0.008 χ^2/NDF: 695295.3/41

All: 59.872+/-0.006 χ^2/NDF: 1995032.6/85

- sign 60.311+/-0.008 χ^2/NDF: 1294221.7/43

asym_sam8_cor_correction_mean vs Slug



Right In: -110.313+/-76.172 χ^2/NDF: 18.8/16

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 2.454+/-63.904 χ^2/NDF: 15.9/20

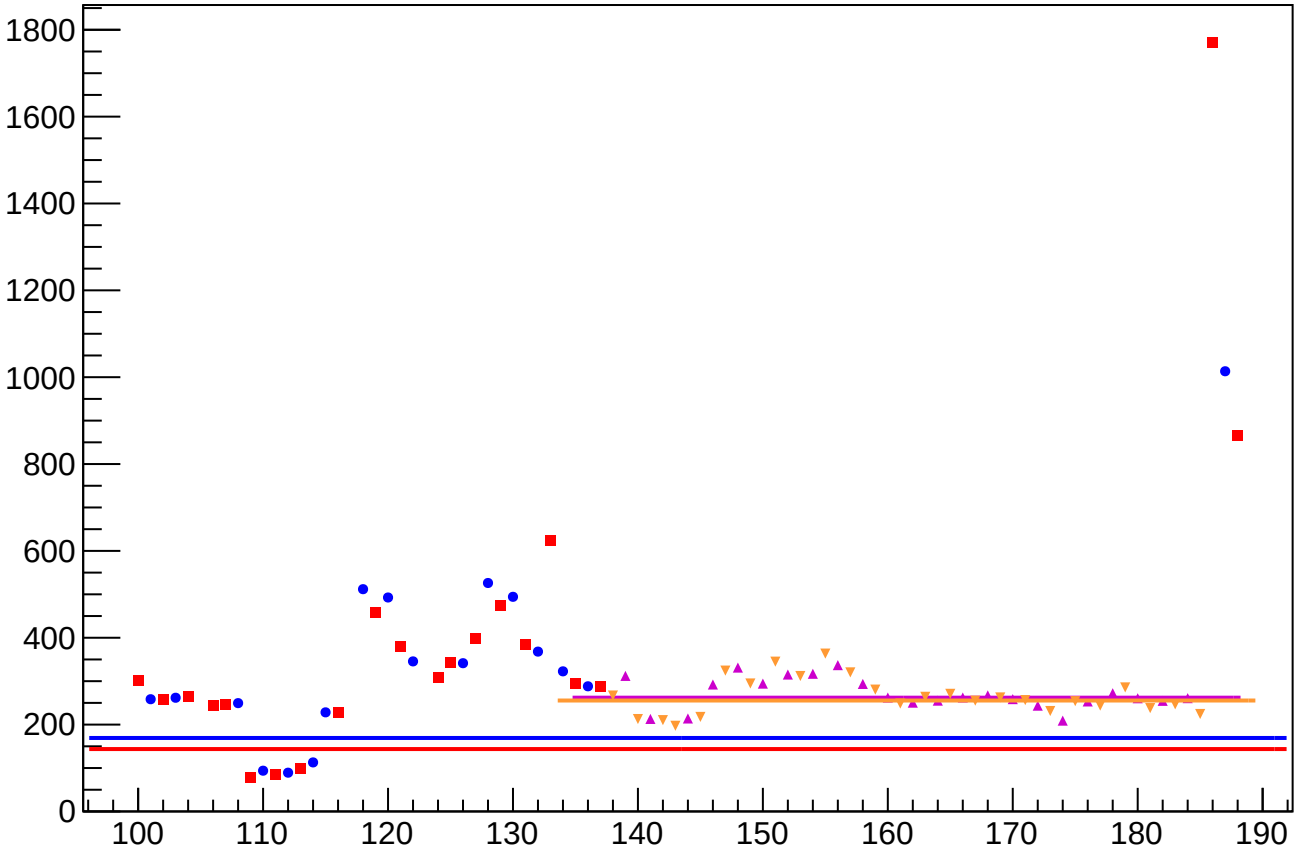
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -200.653+/-46.583 χ^2/NDF: 78.7/41

All: -105.589+/-32.161 χ^2/NDF: 131.2/85

- sign -19.013+/-44.455 χ^2/NDF: 44.5/43

asym_sam8_cor_correction_rms vs Slug



Right In: 169.230+/-0.054 χ^2/NDF: 4806065.2/16

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 143.687+/-0.045 χ^2/NDF: 7134452.2/20

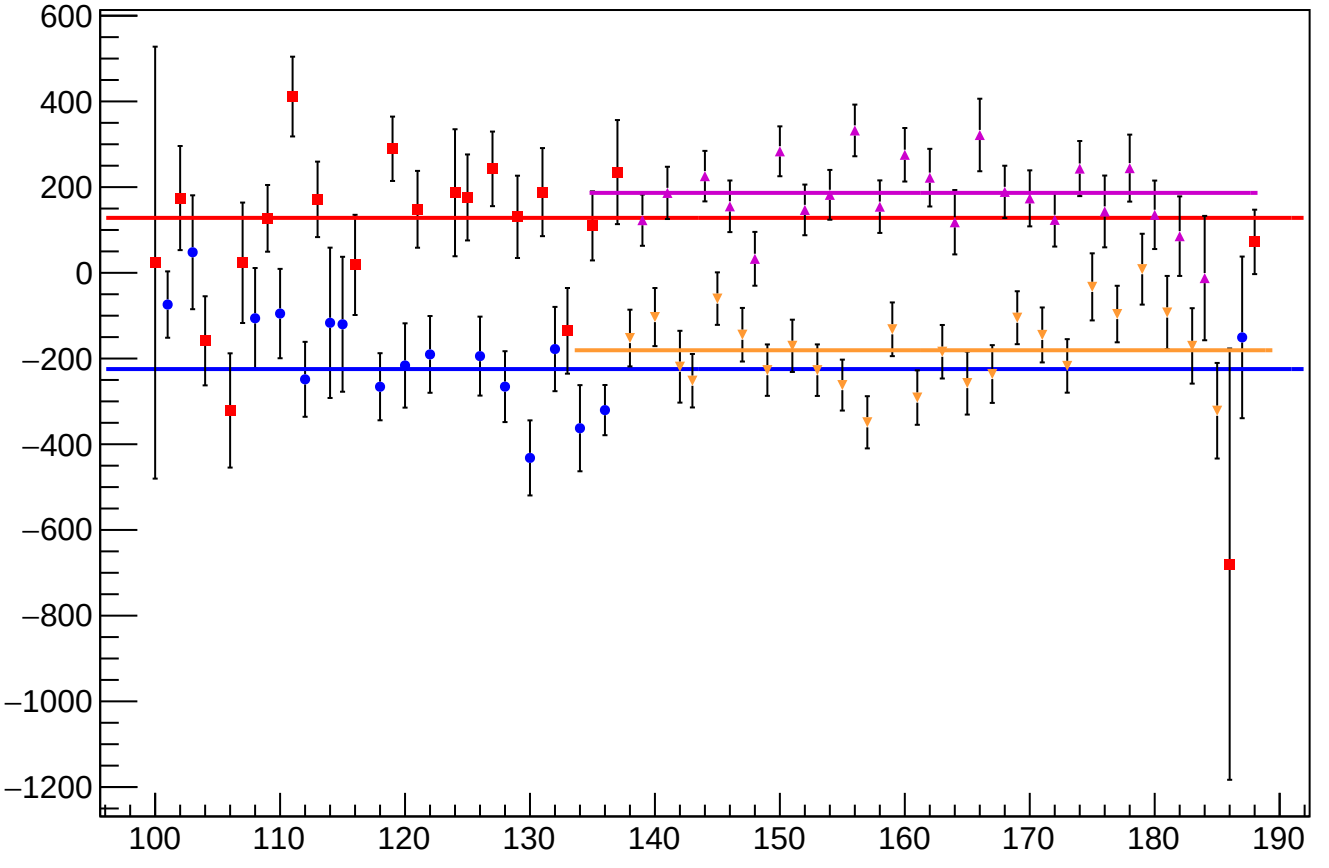
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 223.216+/-0.033 χ^2/NDF: 7274749.2/41

All: 213.550+/-0.023 χ^2/NDF: 18782624.7/85

- sign 204.747+/-0.031 χ^2/NDF: 11343347.1/43

eigen_cor_asym_sam8_mean vs Slug



Right In: -224.581+/-22.947 χ^2/NDF: 22.8/16

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 128.248+/-22.151 χ^2/NDF: 48.1/20

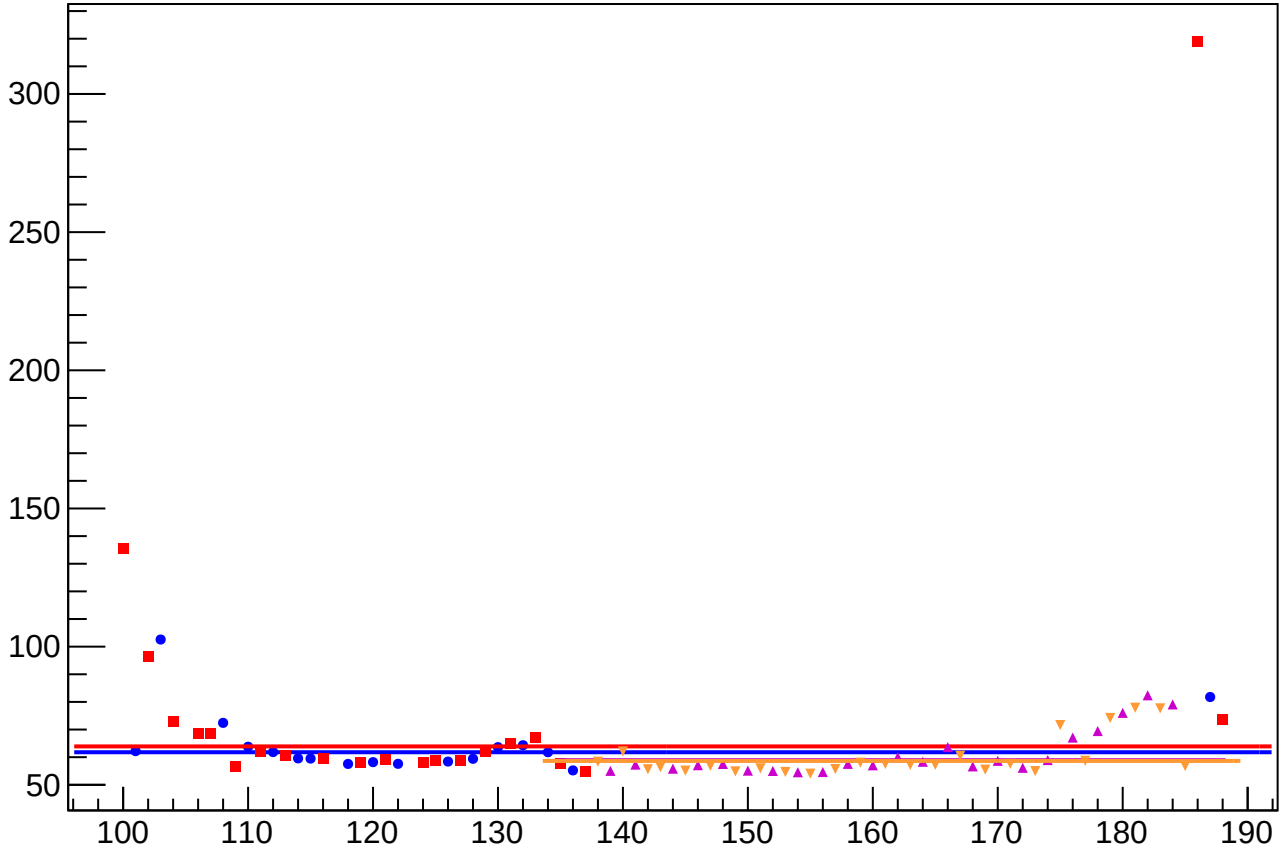
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -191.867+/-11.583 χ^2/NDF: 64.1/41

All: -13.428+/-8.249 χ^2/NDF: 627.7/85

- sign 170.159+/-11.749 χ^2/NDF: 82.1/43

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.786+/-0.016 χ^2/NDF: 273466.9/16

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.900+/-0.016 χ^2/NDF: 834364.0/20

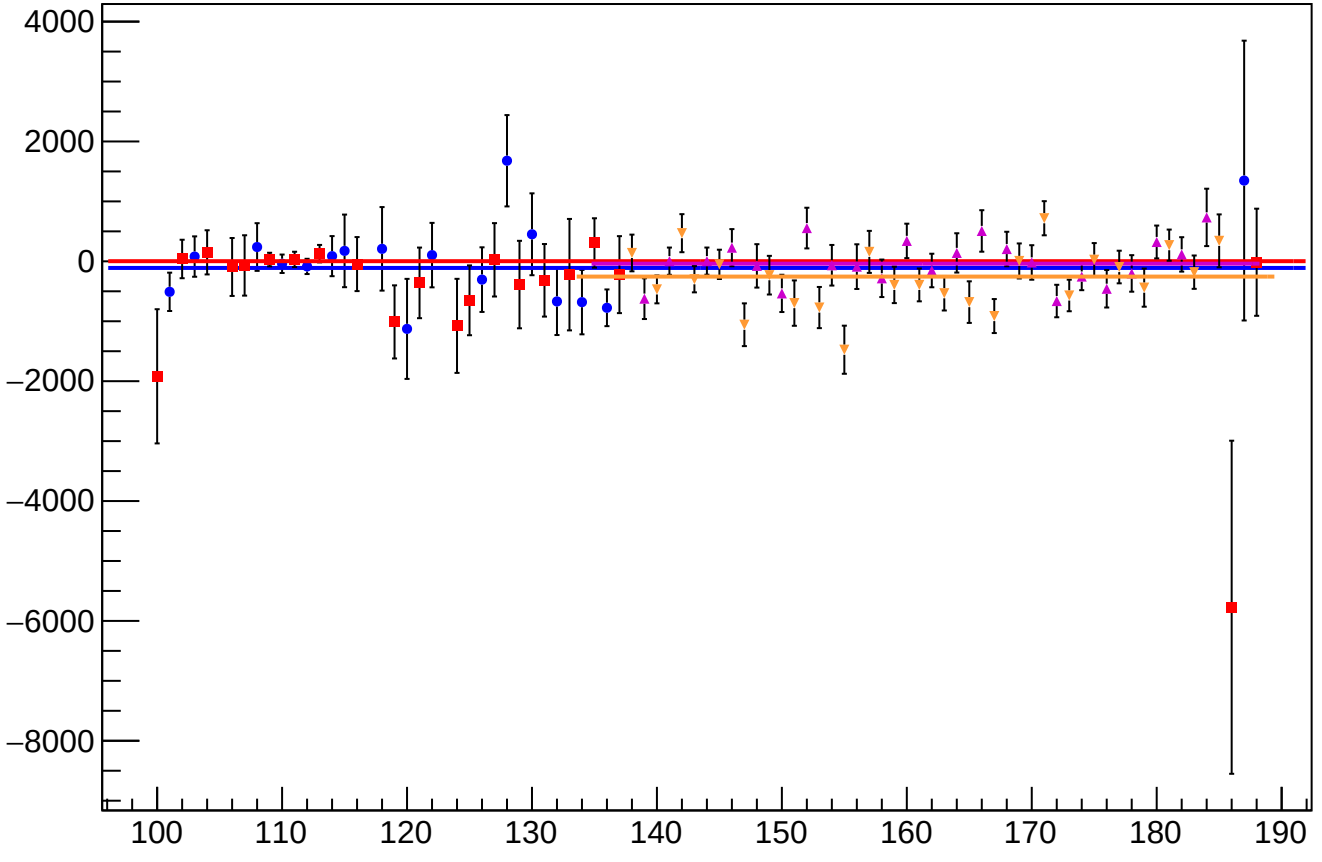
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.445+/-0.008 χ^2/NDF: 695295.3/41

All: 59.872+/-0.006 χ^2/NDF: 1995032.6/85

- sign 60.311+/-0.008 χ^2/NDF: 1294221.7/43

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -110.313+/-76.172 χ^2/NDF: 18.8/16

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 2.454+/-63.904 χ^2/NDF: 15.9/20

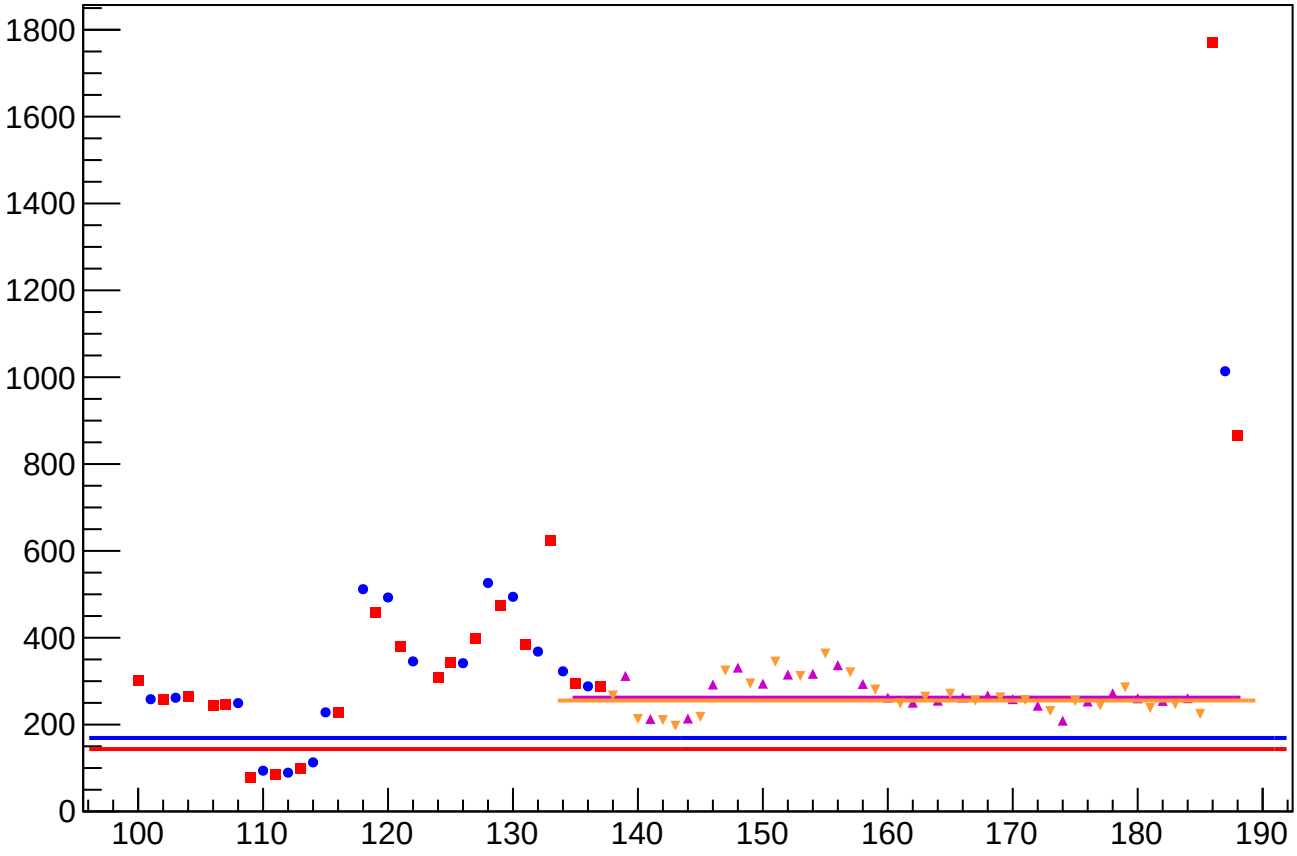
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -200.653+/-46.583 χ^2/NDF: 78.7/41

All: -105.589+/-32.161 χ^2/NDF: 131.2/85

- sign -19.013+/-44.455 χ^2/NDF: 44.5/43

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 169.230+/-0.054 χ^2/NDF: 4806065.2/16

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 143.687+/-0.045 χ^2/NDF: 7134452.2/20

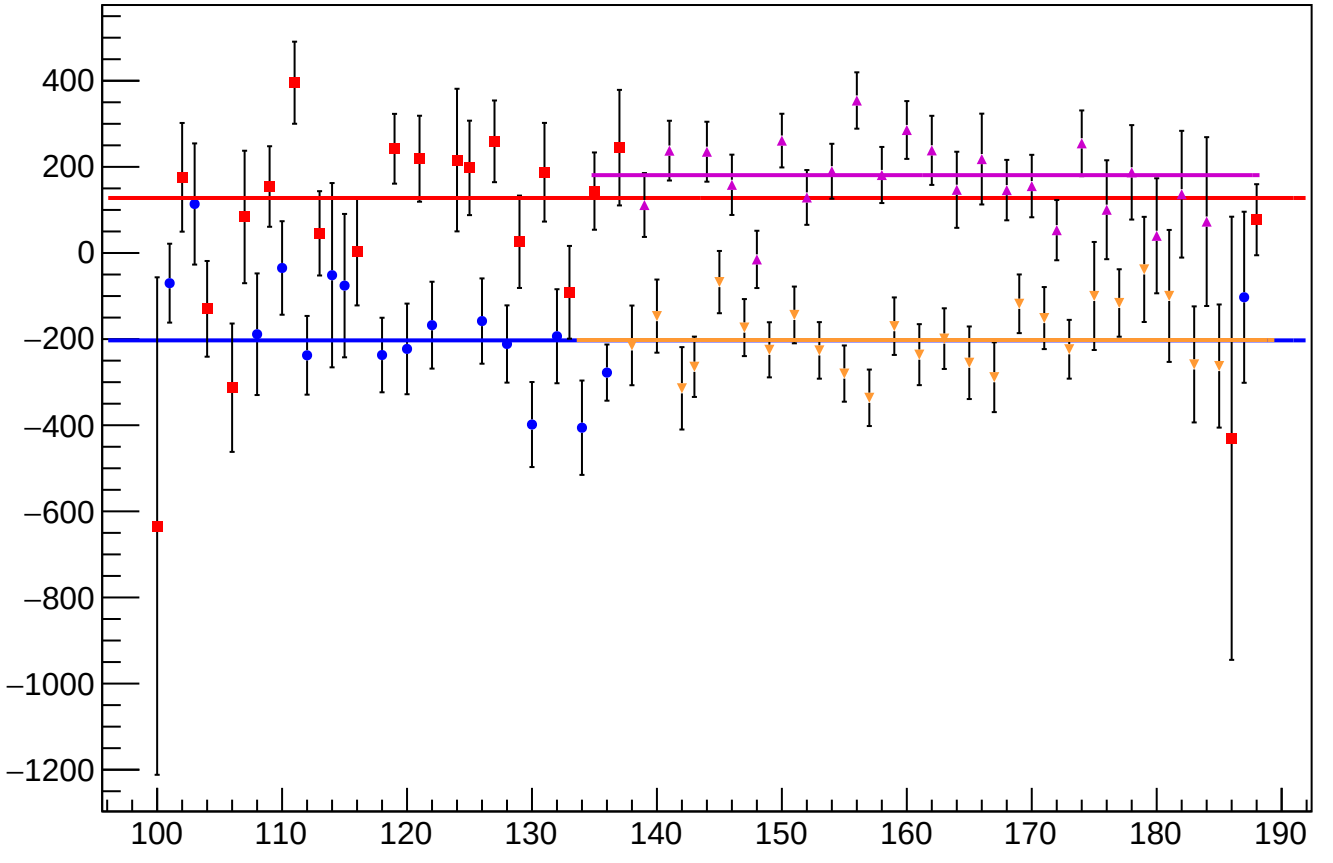
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 223.216+/-0.033 χ^2/NDF: 7274749.2/41

All: 213.550+/-0.023 χ^2/NDF: 18782624.7/85

- sign 204.747+/-0.031 χ^2/NDF: 11343347.1/43

dit_asym_sam8_mean vs Slug



Right In: -202.924+/-25.315 χ^2/NDF: 20.3/16

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 127.741+/-24.322 χ^2/NDF: 38.8/20

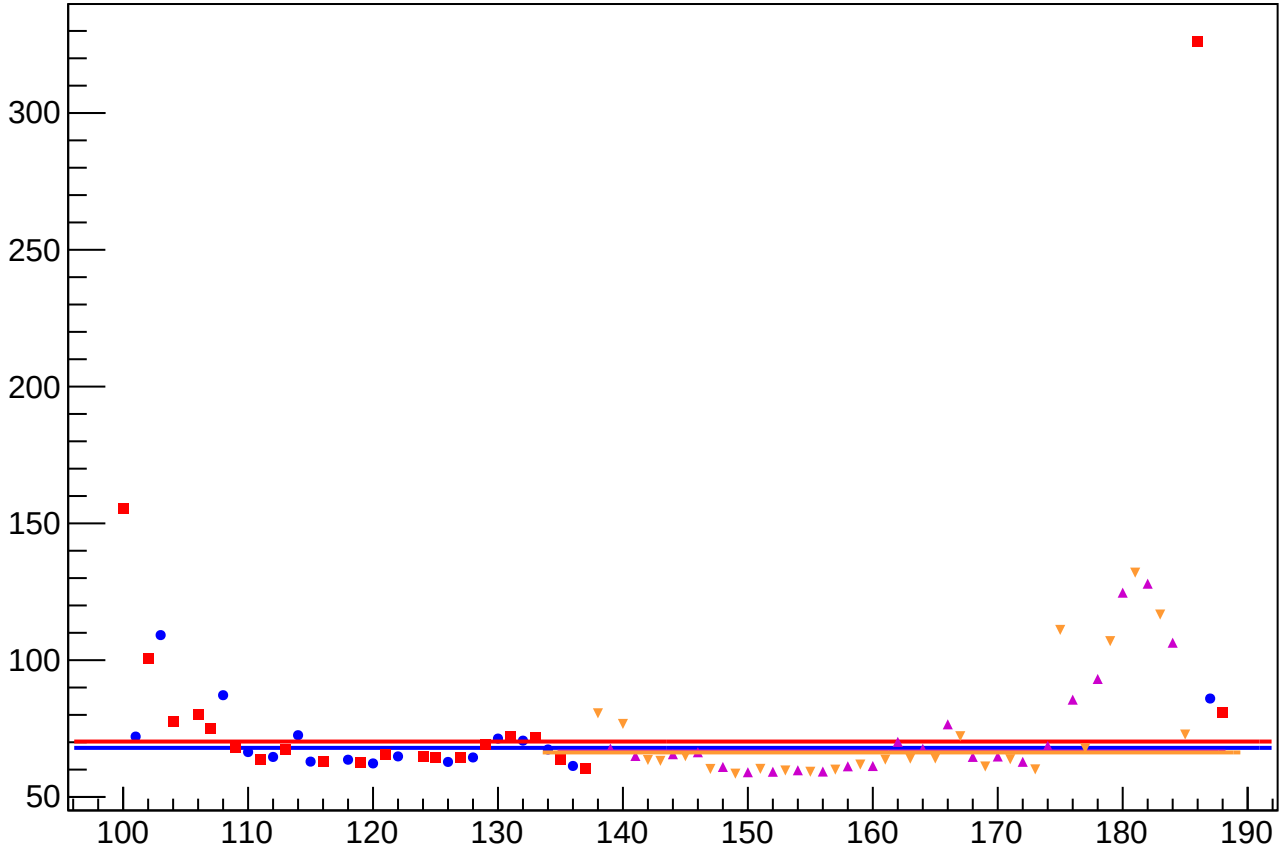
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -202.318+/-13.243 χ^2/NDF: 41.8/41

All: -20.659+/-9.411 χ^2/NDF: 494.3/85

- sign 164.736+/-13.378 χ^2/NDF: 72.3/43

dit_asym_sam8_rms vs Slug



Right In: 67.945+/-0.018 χ^2/NDF: 280426.5/16

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 70.255+/-0.017 χ^2/NDF: 783167.6/20

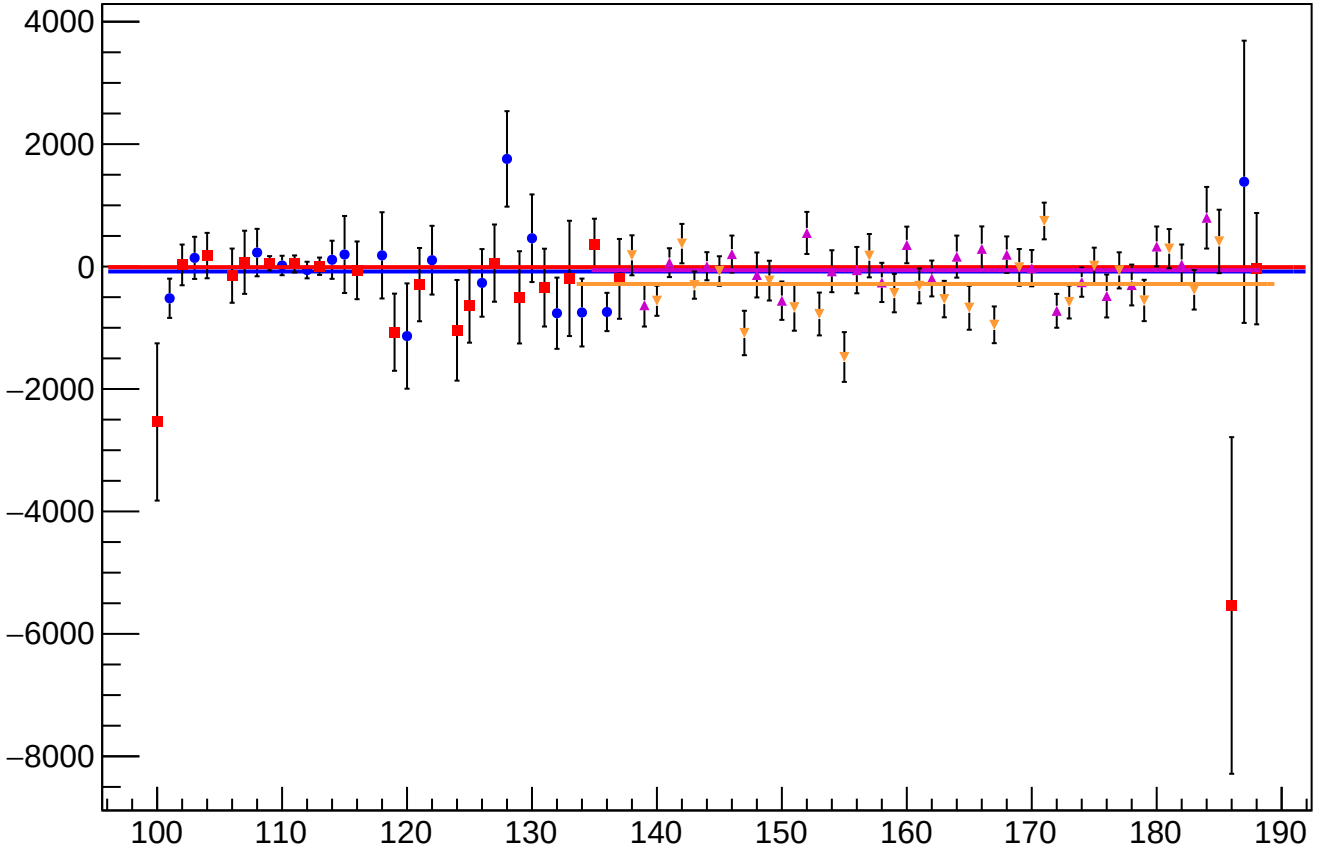
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 66.735+/-0.009 χ^2/NDF: 1680599.3/41

All: 67.210+/-0.007 χ^2/NDF: 3658968.5/85

- sign 67.696+/-0.009 χ^2/NDF: 1973159.8/43

asym_sam8_dit_correction_mean vs Slug



Right In: -80.521+/-78.630 χ^2/NDF: 19.6/16

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -9.369+/-65.719 χ^2/NDF: 16.1/20

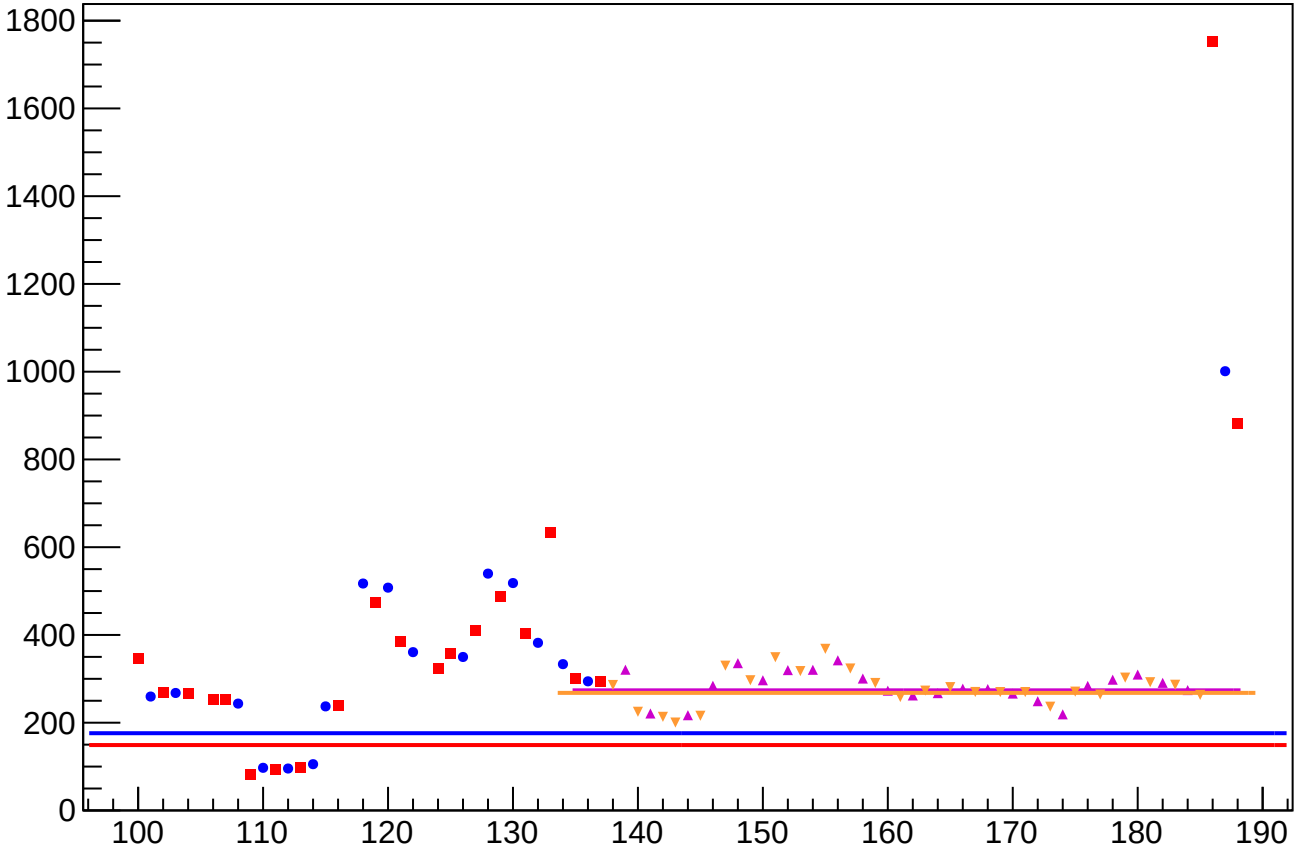
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -206.693+/-48.553 χ^2/NDF: 78.4/41

All: -116.198+/-33.425 χ^2/NDF: 128.2/85

- sign -34.678+/-46.083 χ^2/NDF: 43.2/43

asym_sam8_dit_correction_rms vs Slug



Right In: 176.060+/-0.056 χ^2/NDF: 4685574.0/16

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

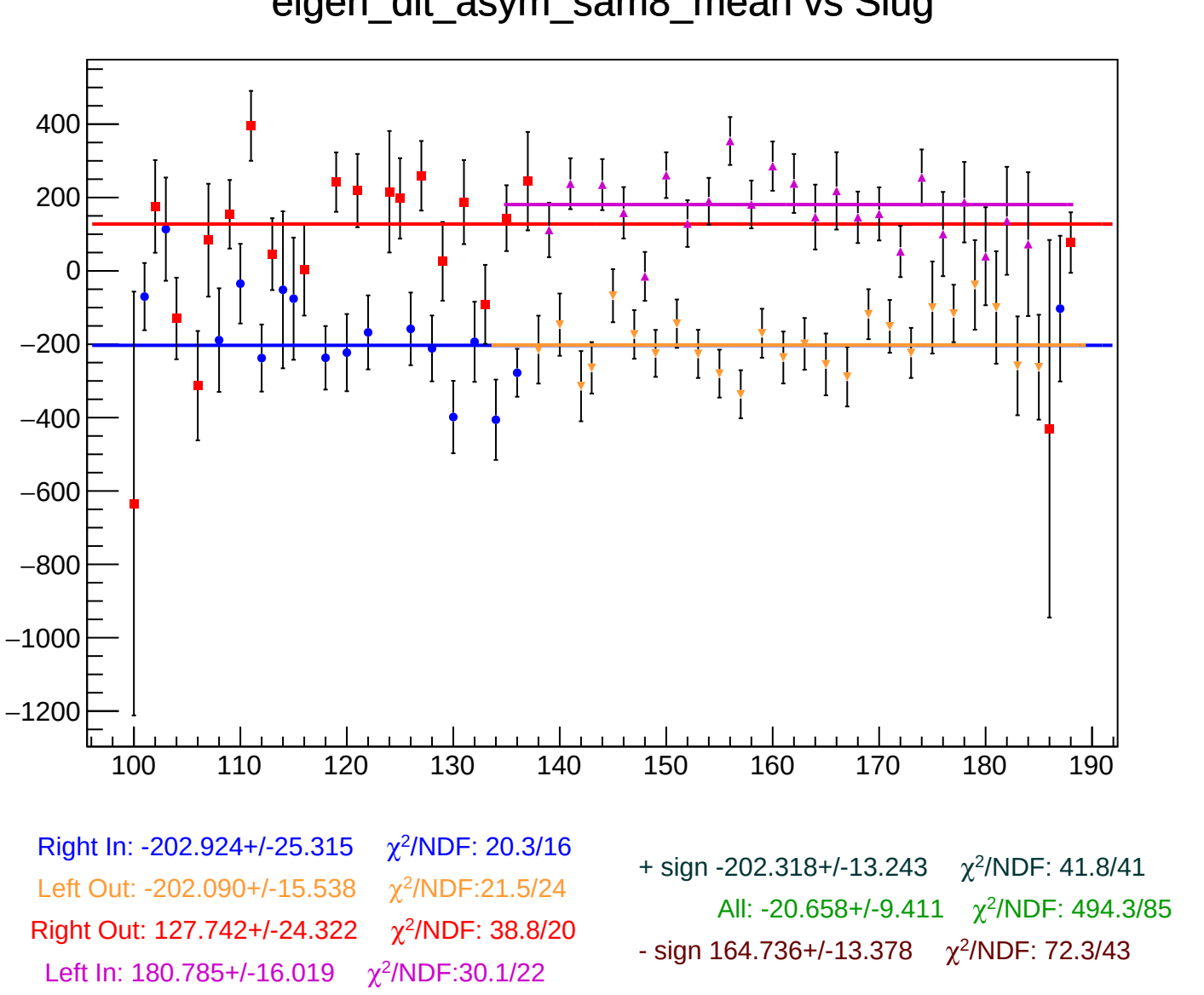
Right Out: 149.050+/-0.046 χ^2/NDF: 7124115.5/20

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

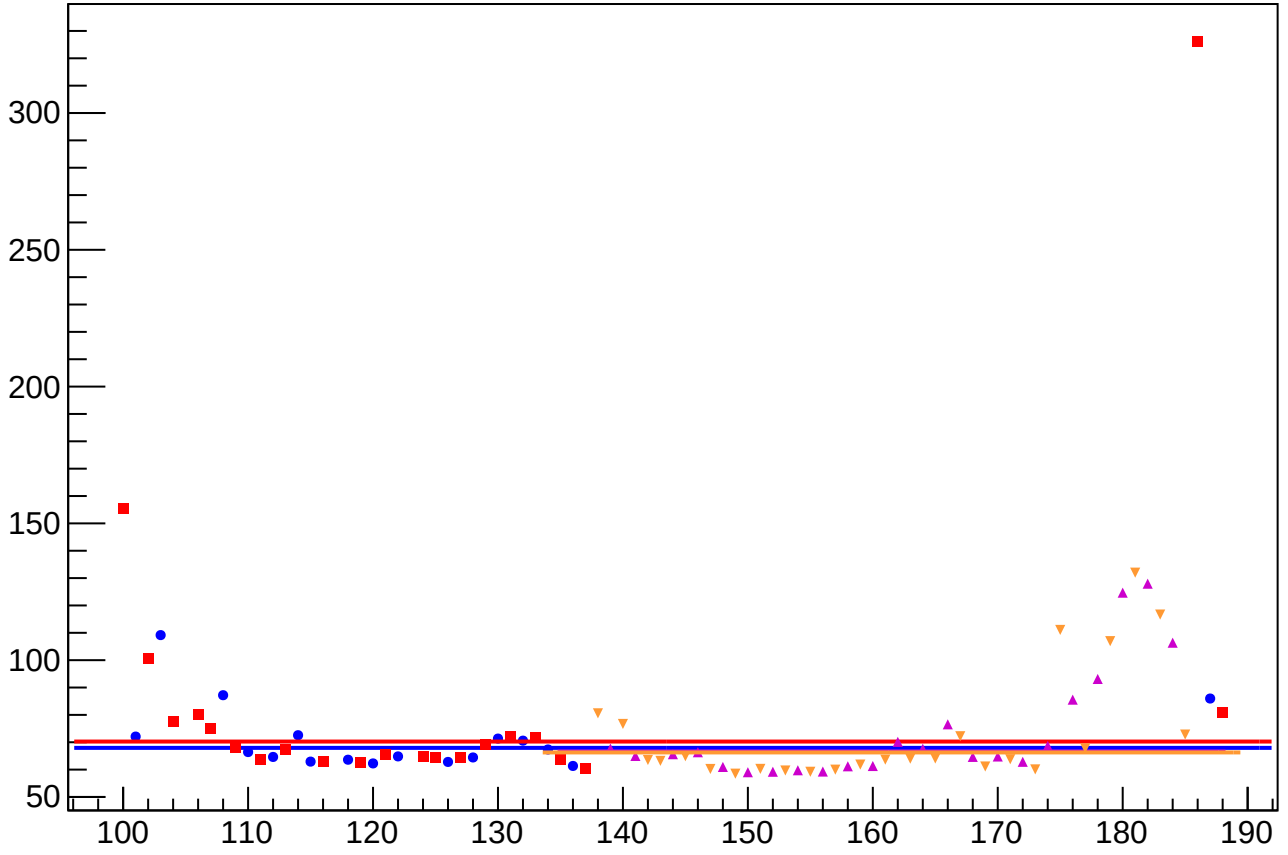
+ sign 232.935+/-0.034 χ^2/NDF: 7239590.5/41

All: 222.151+/-0.024 χ^2/NDF: 18861812.2/85

- sign 212.436+/-0.033 χ^2/NDF: 11434673.8/43


eigen_dit_asym_sam8_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
170
180
190
Right In: -202.924+/-25.315 χ²/NDF: 20.3/16
Left Out: -202.090+/-15.538 χ²/NDF:21.5/24
Right Out: 127.742+/-24.322 χ²/NDF: 38.8/20
Left In: 180.785+/-16.019 χ²/NDF:30.1/22
+ sign -202.318+/-13.243 χ²/NDF: 41.8/41
All: -20.658+/-9.411 χ²/NDF: 494.3/85
- sign 164.736+/-13.378 χ²/NDF: 72.3/43

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.945+/-0.018 χ^2/NDF: 280426.9/16

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 70.255+/-0.017 χ^2/NDF: 783169.3/20

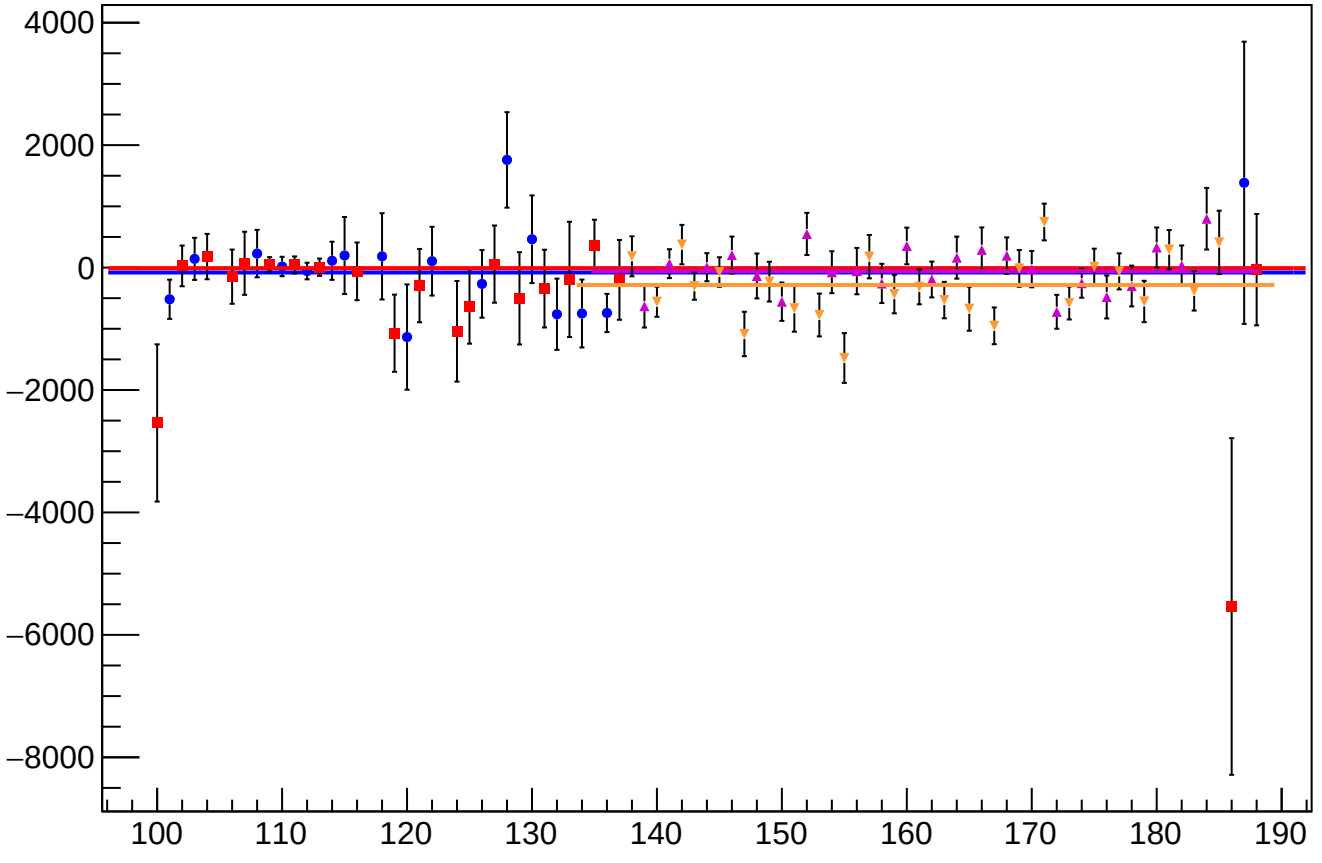
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 66.735+/-0.009 χ^2/NDF: 1680600.3/41

All: 67.210+/-0.007 χ^2/NDF: 3658960.3/85

- sign 67.696+/-0.009 χ^2/NDF: 1973150.7/43

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -80.519+/-78.630 χ^2/NDF: 19.6/16

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -9.368+/-65.719 χ^2/NDF: 16.1/20

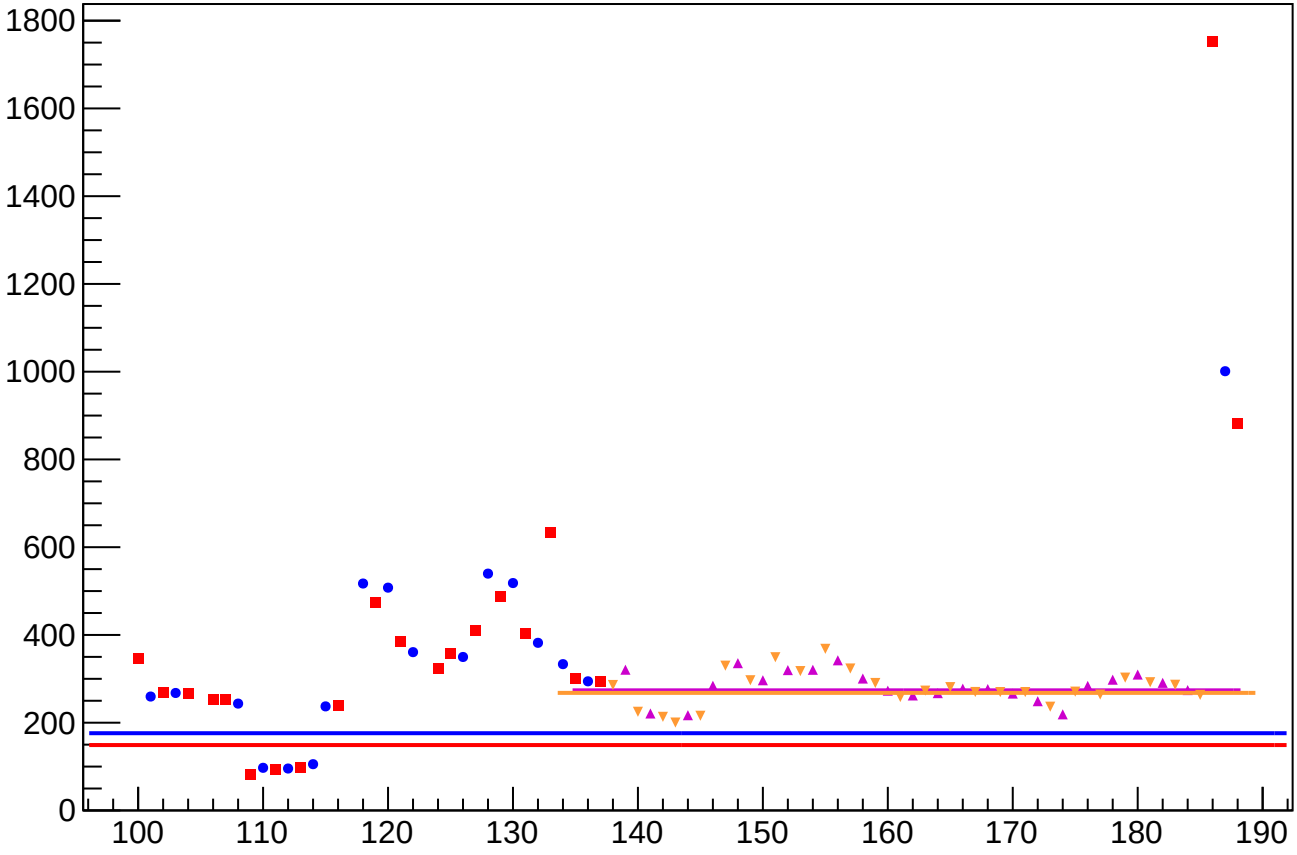
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -206.692+/-48.553 χ^2/NDF: 78.4/41

All: -116.197+/-33.425 χ^2/NDF: 128.2/85

- sign -34.678+/-46.083 χ^2/NDF: 43.2/43

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 176.059+/-0.056 χ^2/NDF: 4685596.3/16

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 149.049+/-0.046 χ^2/NDF: 7124094.9/20

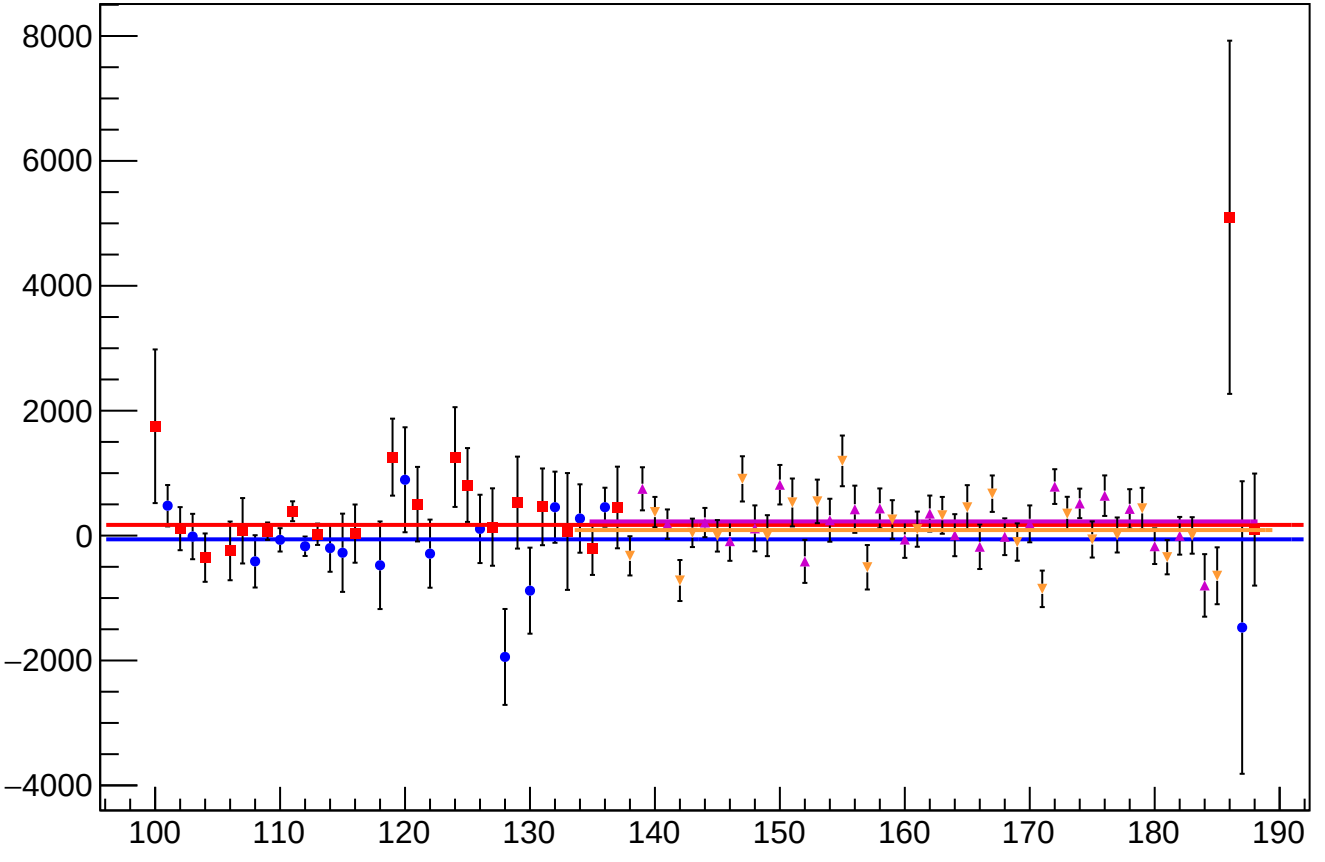
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 232.934+/-0.034 χ^2/NDF: 7239656.1/41

All: 222.150+/-0.024 χ^2/NDF: 18861836.8/85

- sign 212.435+/-0.033 χ^2/NDF: 11434643.2/43

asym_sam8_mean vs Slug



Right In: -59.914+/-86.831 χ^2/NDF: 17.7/16

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 171.231+/-74.316 χ^2/NDF: 18.5/20

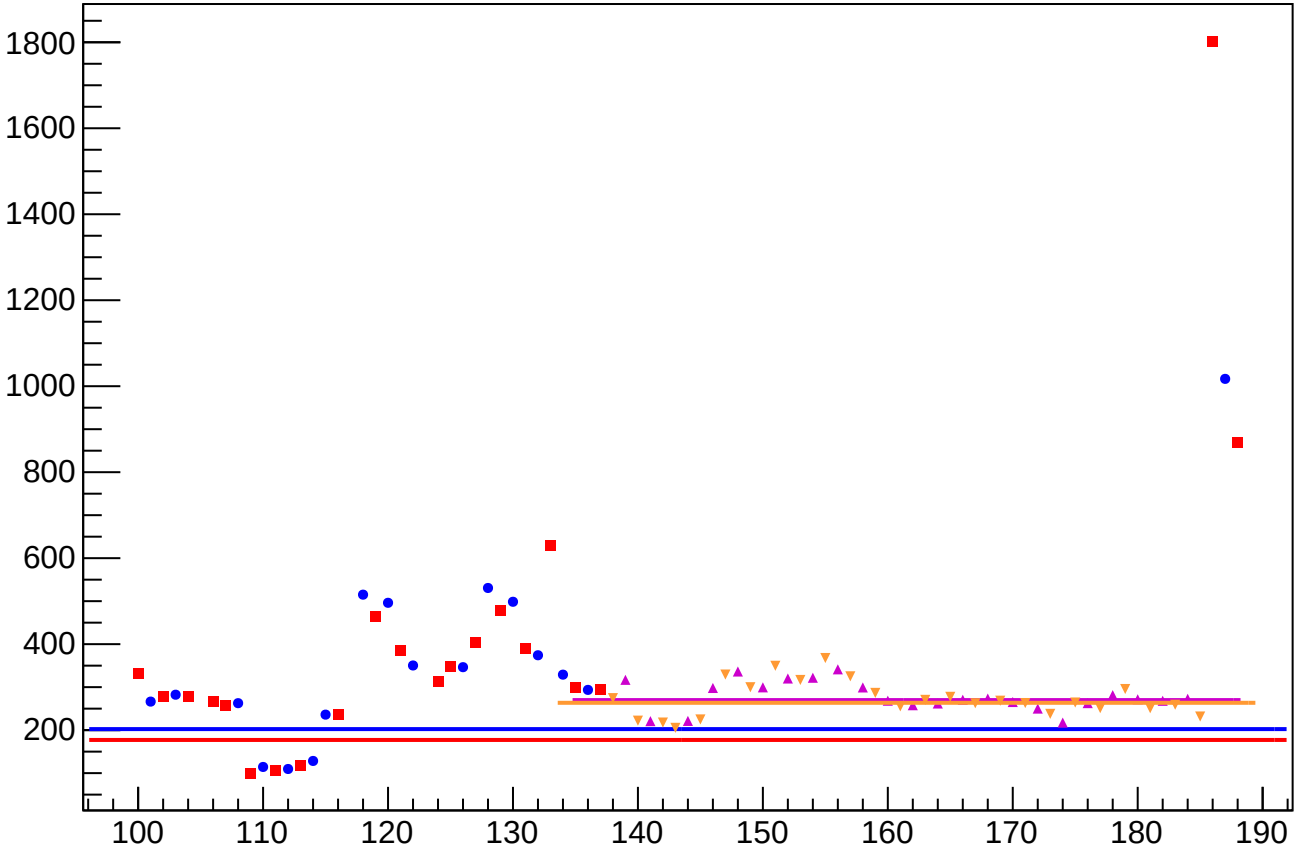
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 39.748+/-49.731 χ^2/NDF: 71.9/41

All: 123.825+/-34.668 χ^2/NDF: 125.2/85

- sign 203.313+/-48.354 χ^2/NDF: 47.7/43

asym_sam8_rms vs Slug



Right In: 202.422+/-0.061 χ^2/NDF: 3814457.7/16

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

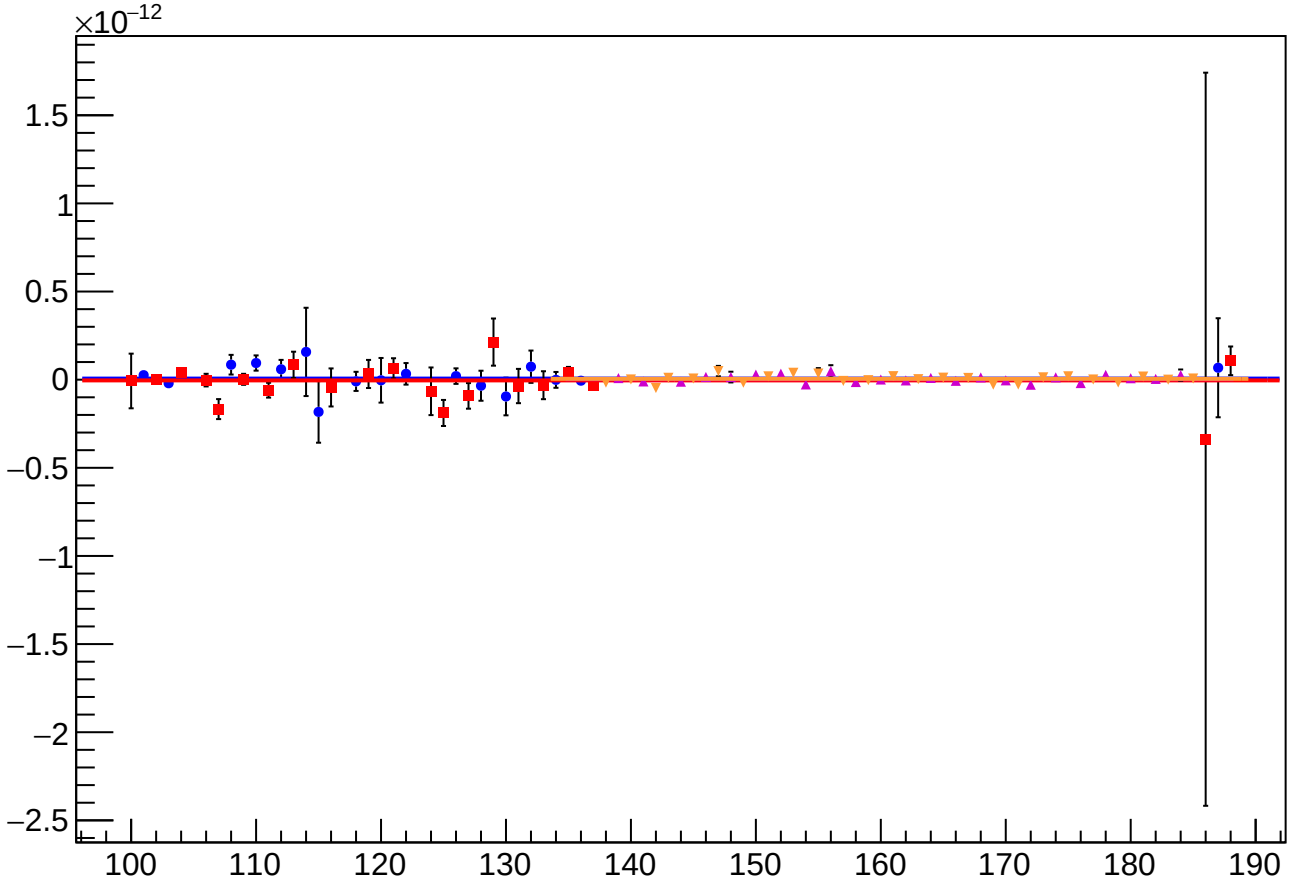
Right Out: 177.173+/-0.053 χ^2/NDF: 6058337.5/20

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 243.528+/-0.035 χ^2/NDF: 5261304.6/41

All: 236.904+/-0.025 χ^2/NDF: 13786331.9/85

- sign 230.642+/-0.034 χ^2/NDF: 8456004.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/20

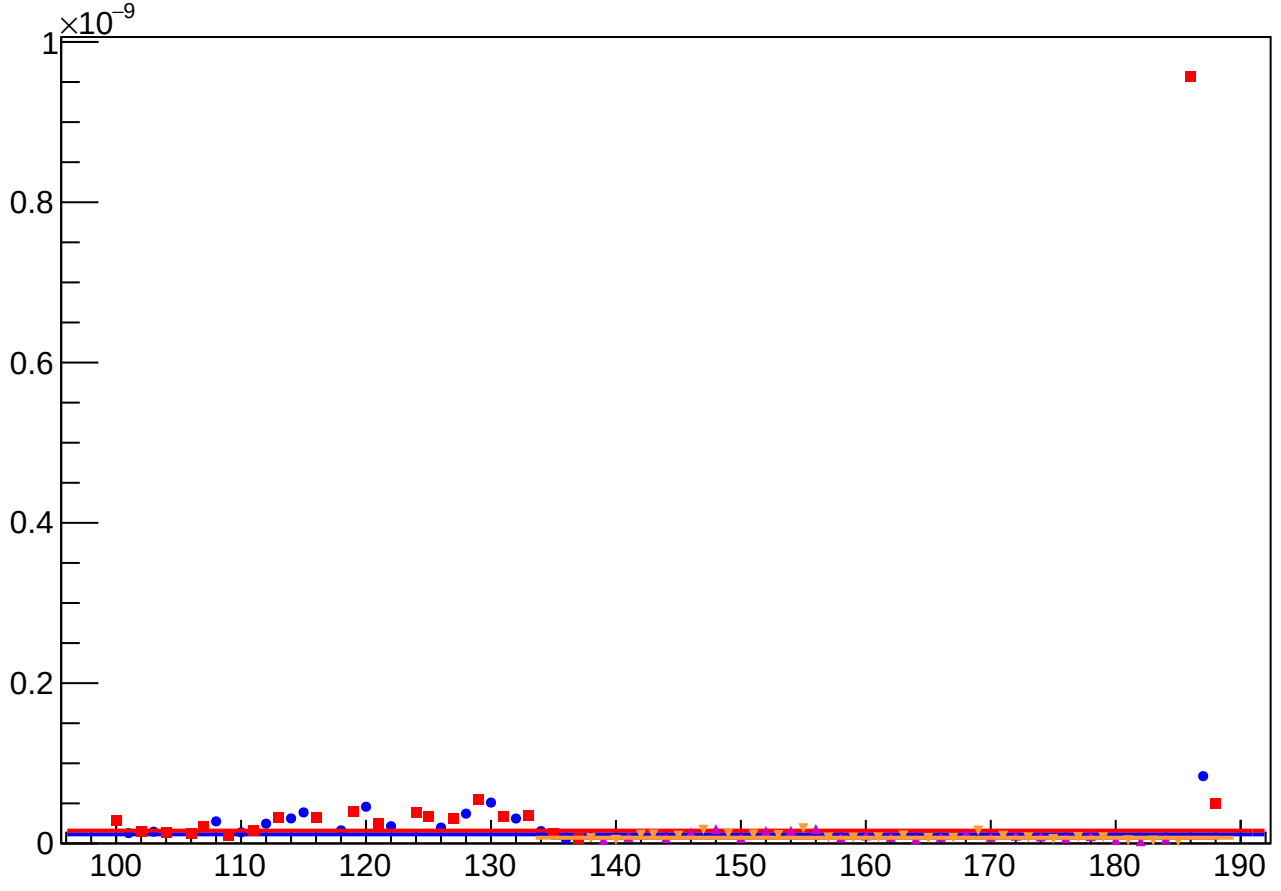
Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/41

All: 0.000+/-0.000 χ^2/NDF: 96.5/85

- sign 0.000+/-0.000 χ^2/NDF: 54.4/43

asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1922440.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2212465.8/20

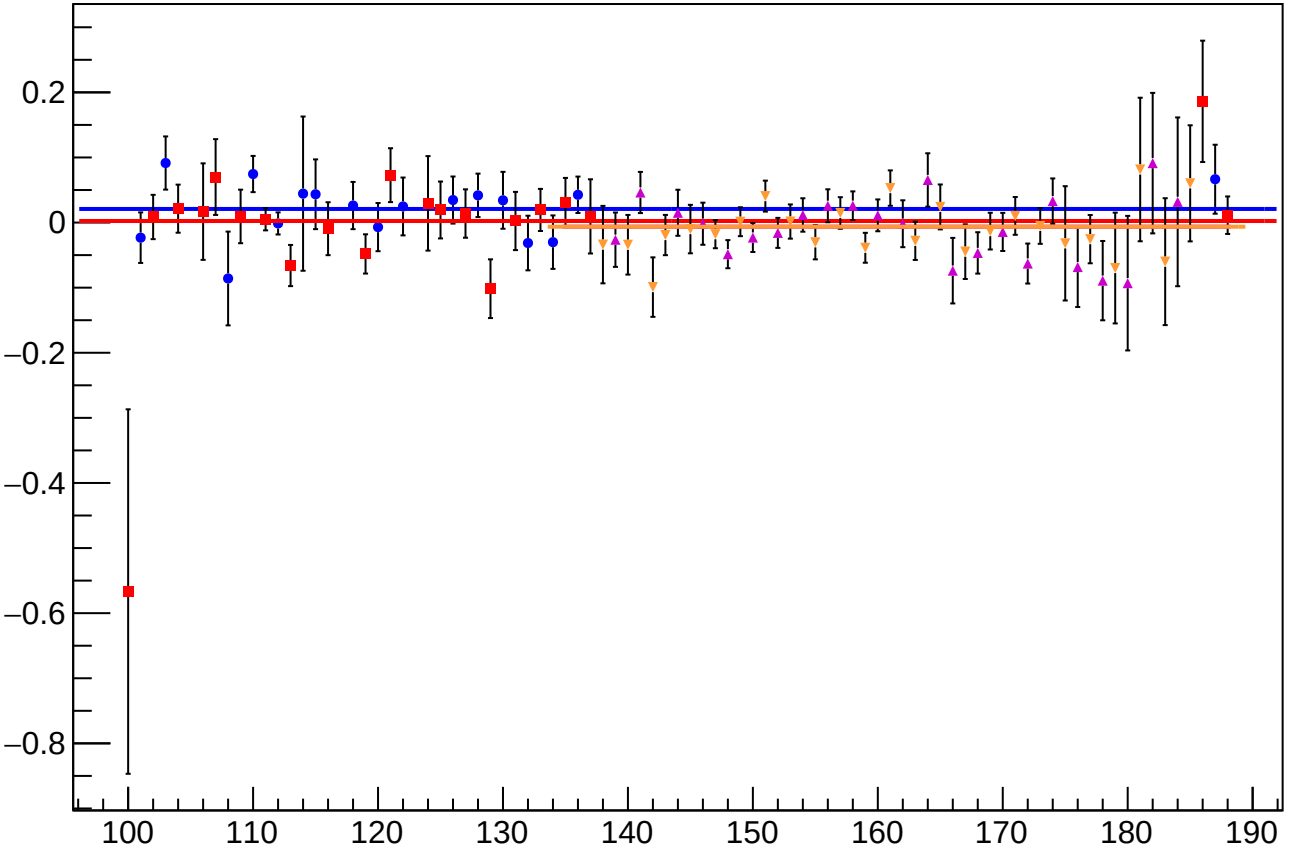
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4336549.4/41

All: 0.000+/-0.000 χ^2/NDF: 10033670.9/85

- sign 0.000+/-0.000 χ^2/NDF: 5690833.4/43

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.021+/-0.009 χ^2/NDF: 17.8/16

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

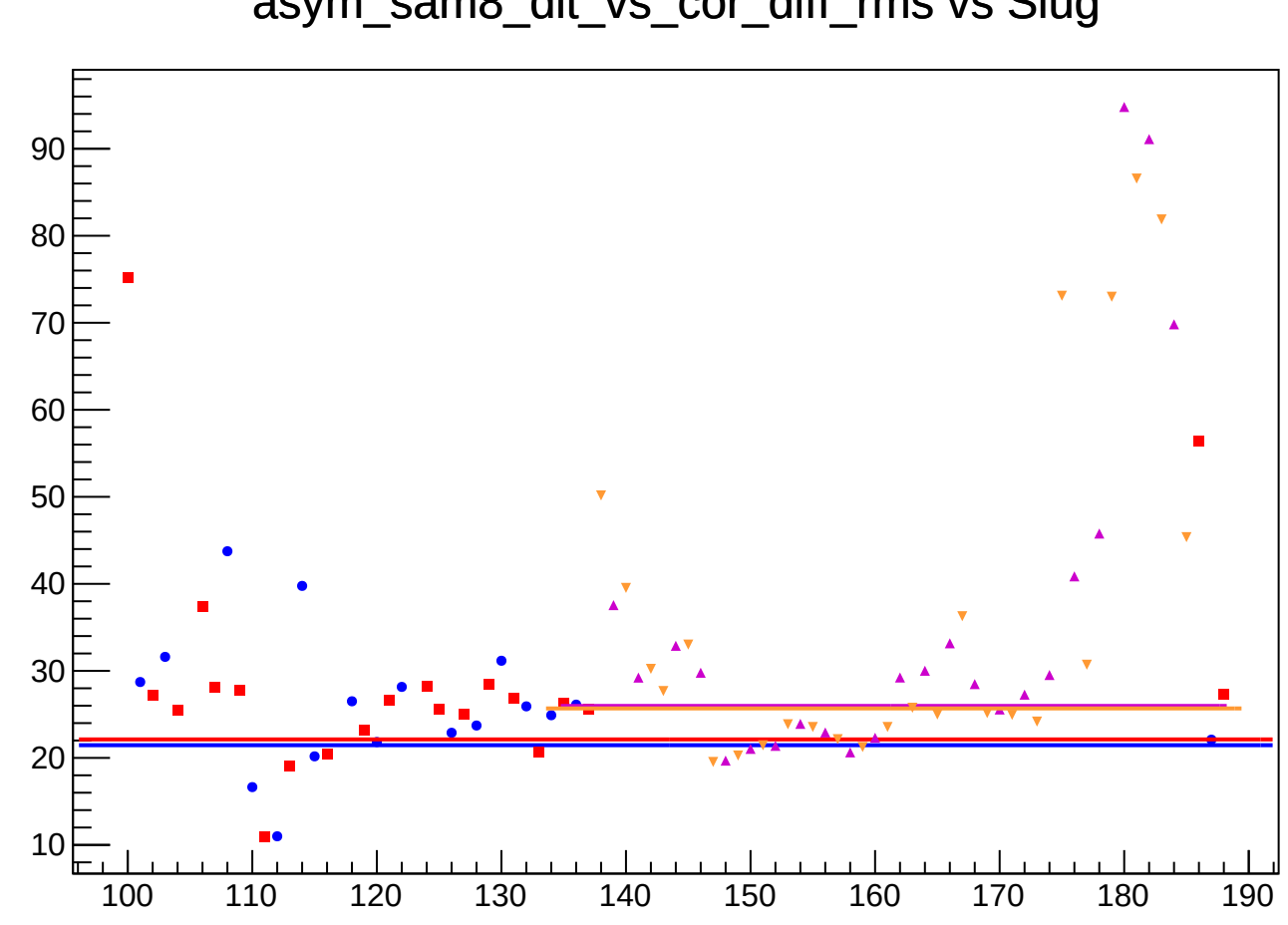
Right Out: 0.002+/-0.008 χ^2/NDF: 26.9/20

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 46.9/41

All: 0.000+/-0.004 χ^2/NDF: 103.6/85

- sign -0.003+/-0.005 χ^2/NDF: 56.0/43



Right In: 21.461+/-0.006 χ^2/NDF: 1541009.1/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

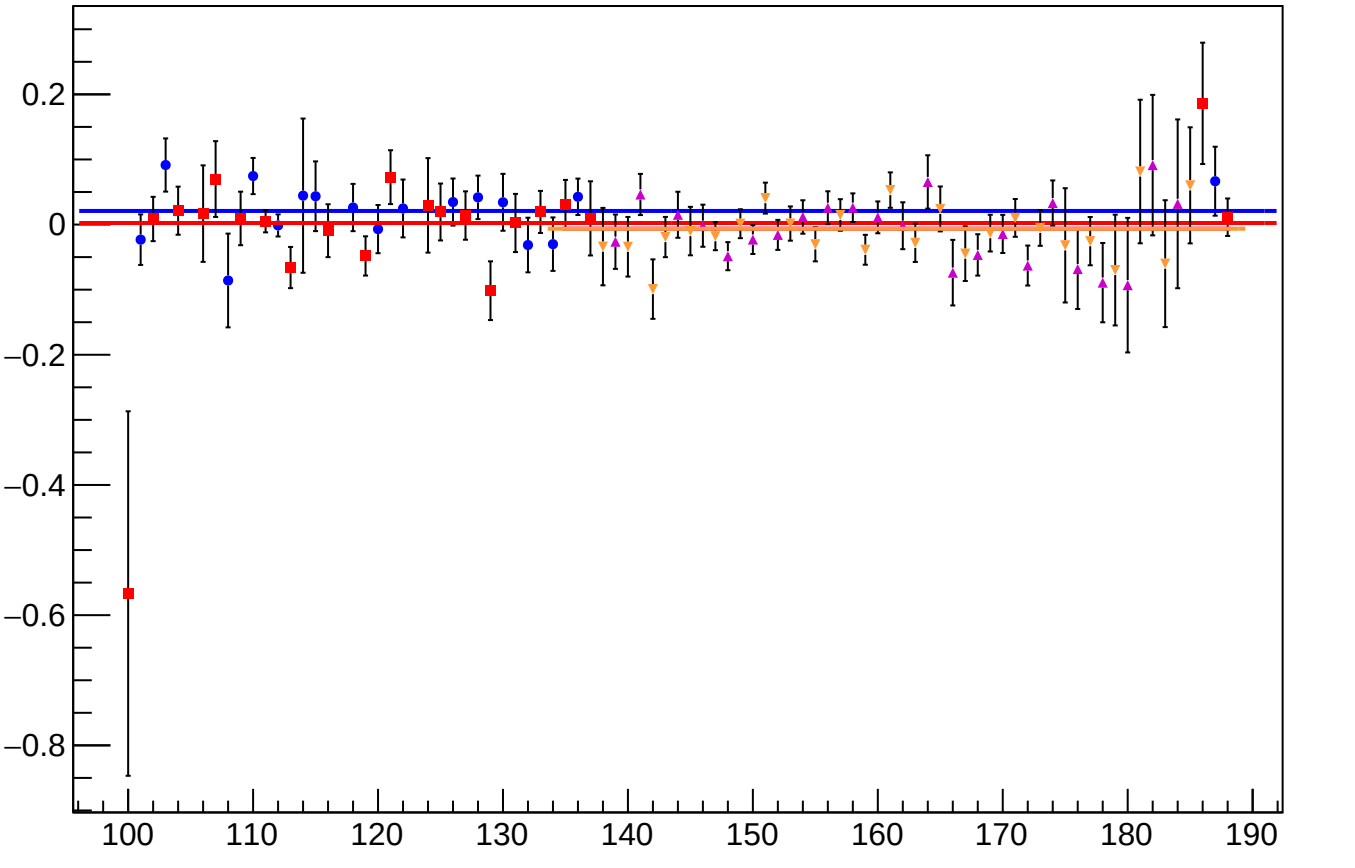
Right Out: 22.126+/-0.006 χ^2/NDF: 1661276.3/20

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.174+/-0.004 χ^2/NDF: 5724645.1/41

All: 24.305+/-0.003 χ^2/NDF: 10775872.1/85

- sign 24.436+/-0.004 χ^2/NDF: 5048624.0/43



Right In: 0.021+/-0.009 χ^2/NDF: 17.8/16

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.008 χ^2/NDF: 26.9/20

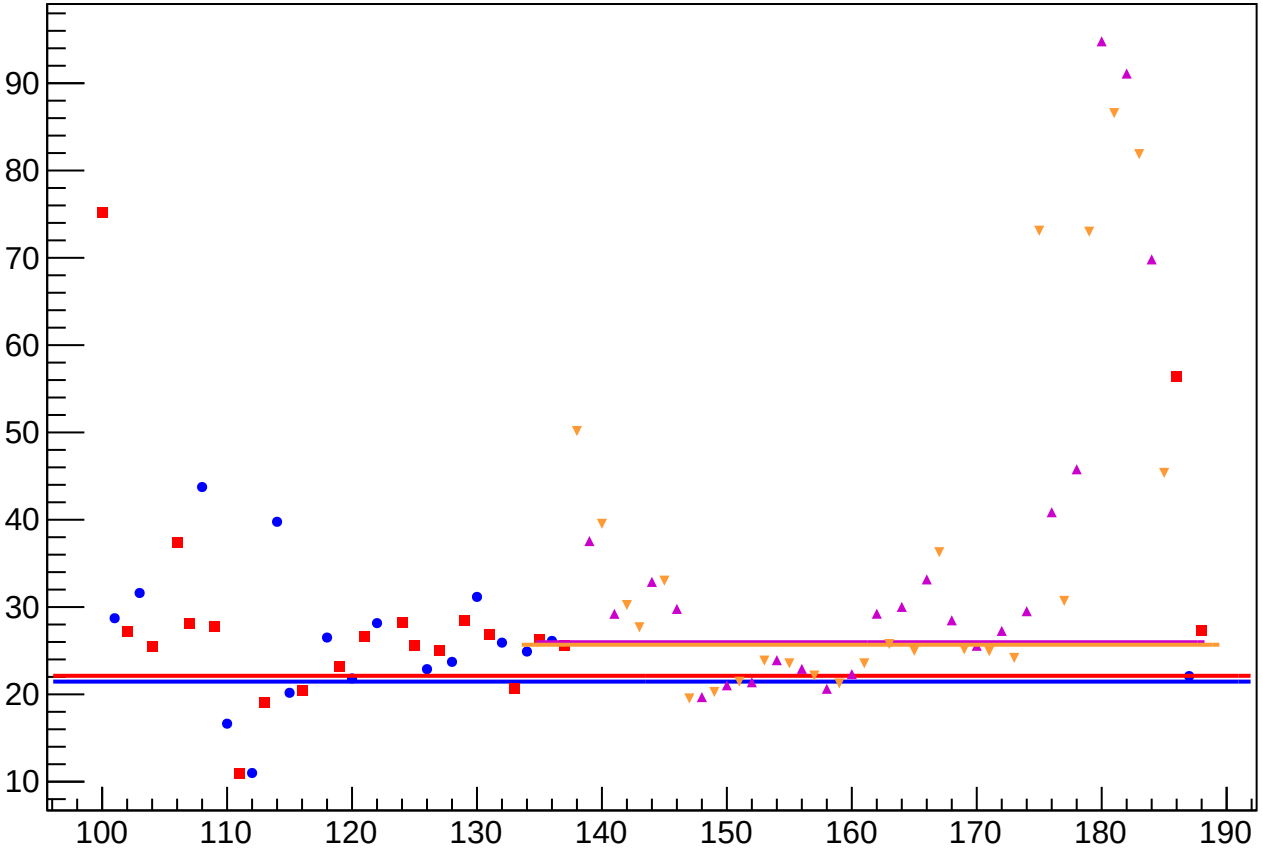
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 46.9/41

All: 0.000+/-0.004 χ^2/NDF: 103.6/85

- sign -0.003+/-0.005 χ^2/NDF: 56.0/43

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.461+/-0.006 χ^2/NDF: 1541009.1/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

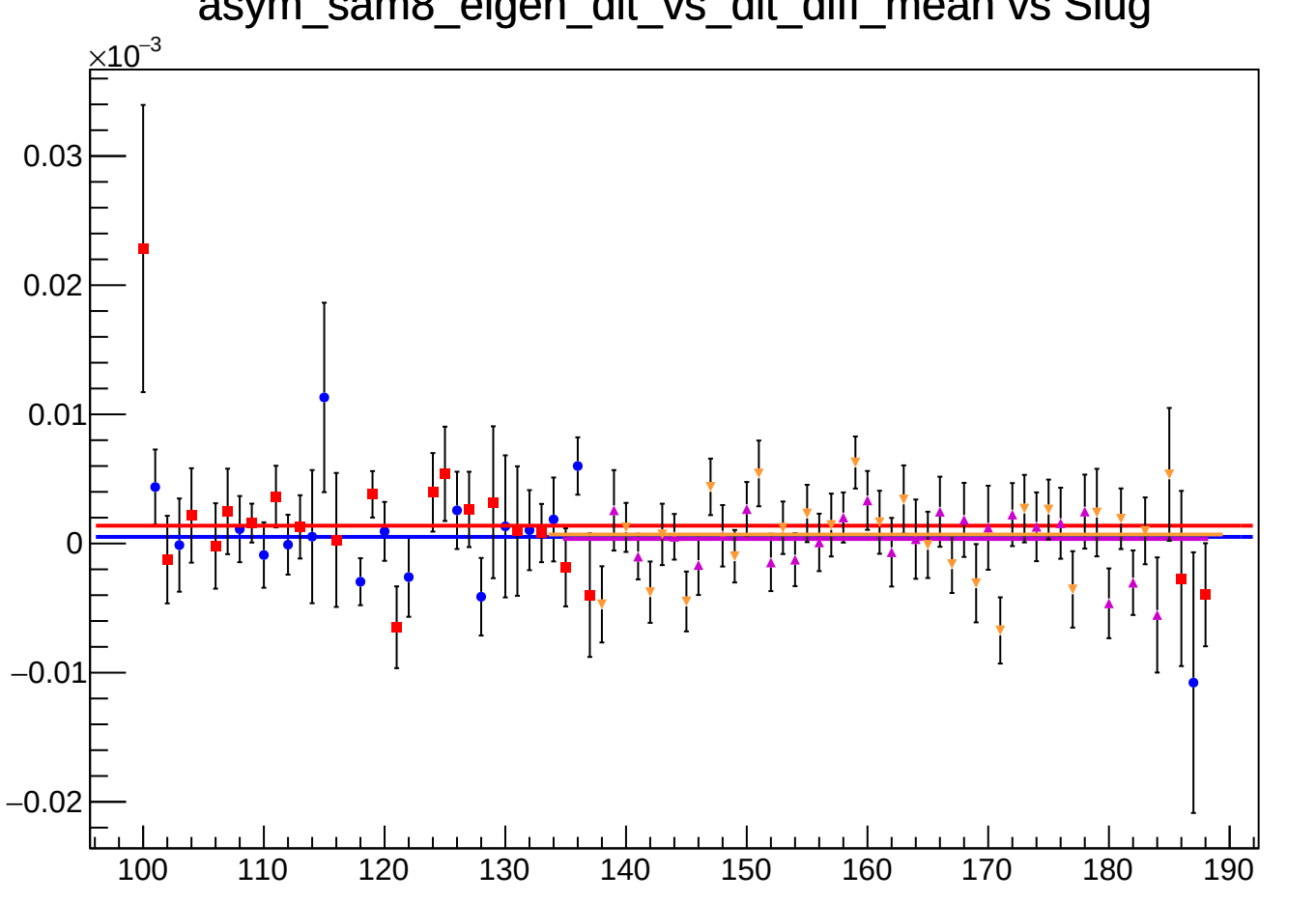
Right Out: 22.126+/-0.006 χ^2/NDF: 1661276.3/20

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.174+/-0.004 χ^2/NDF: 5724645.1/41

All: 24.305+/-0.003 χ^2/NDF: 10775872.1/85

- sign 24.436+/-0.004 χ^2/NDF: 5048624.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/20

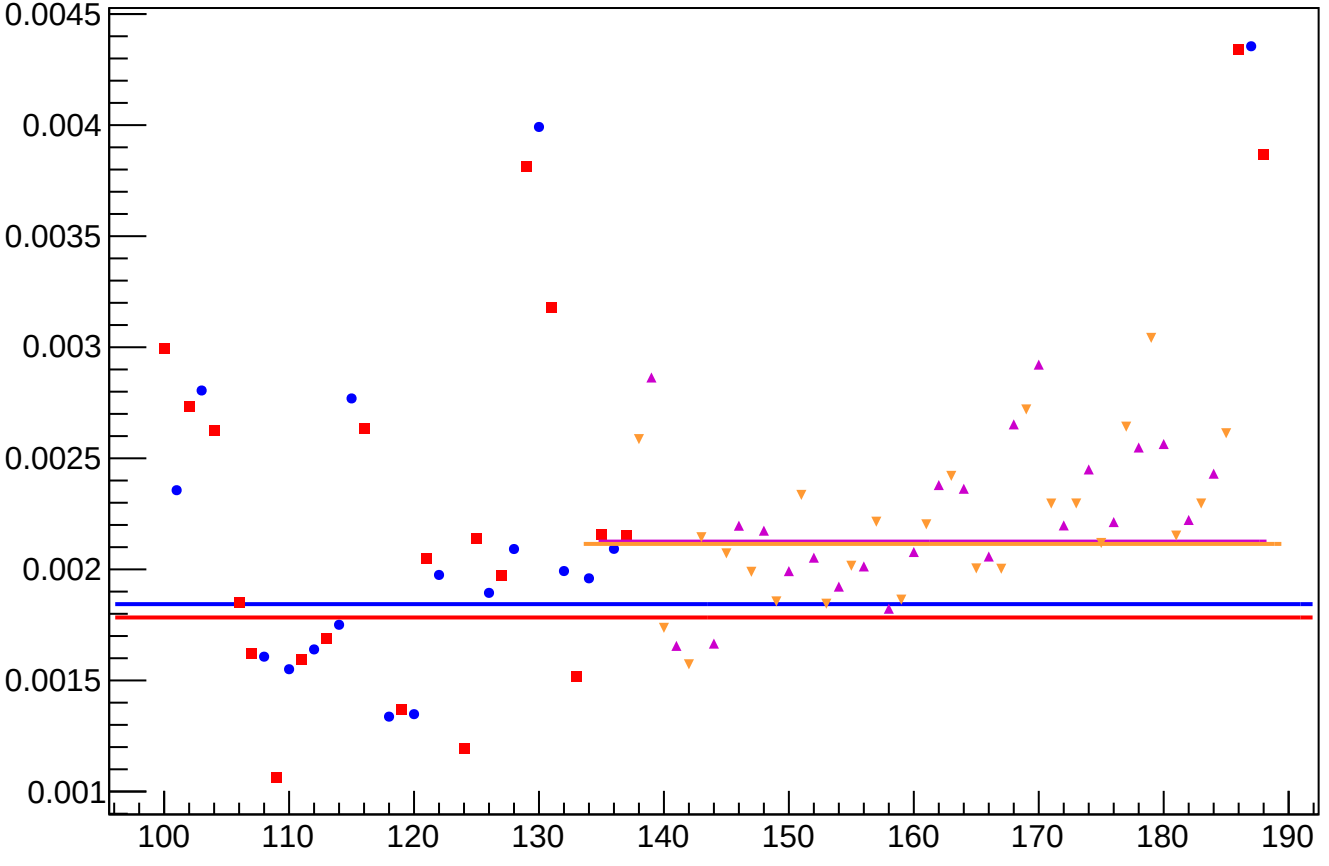
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.9/41

All: 0.000+/-0.000 χ^2/NDF: 102.4/85

- sign 0.000+/-0.000 χ^2/NDF: 38.4/43

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1024914.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

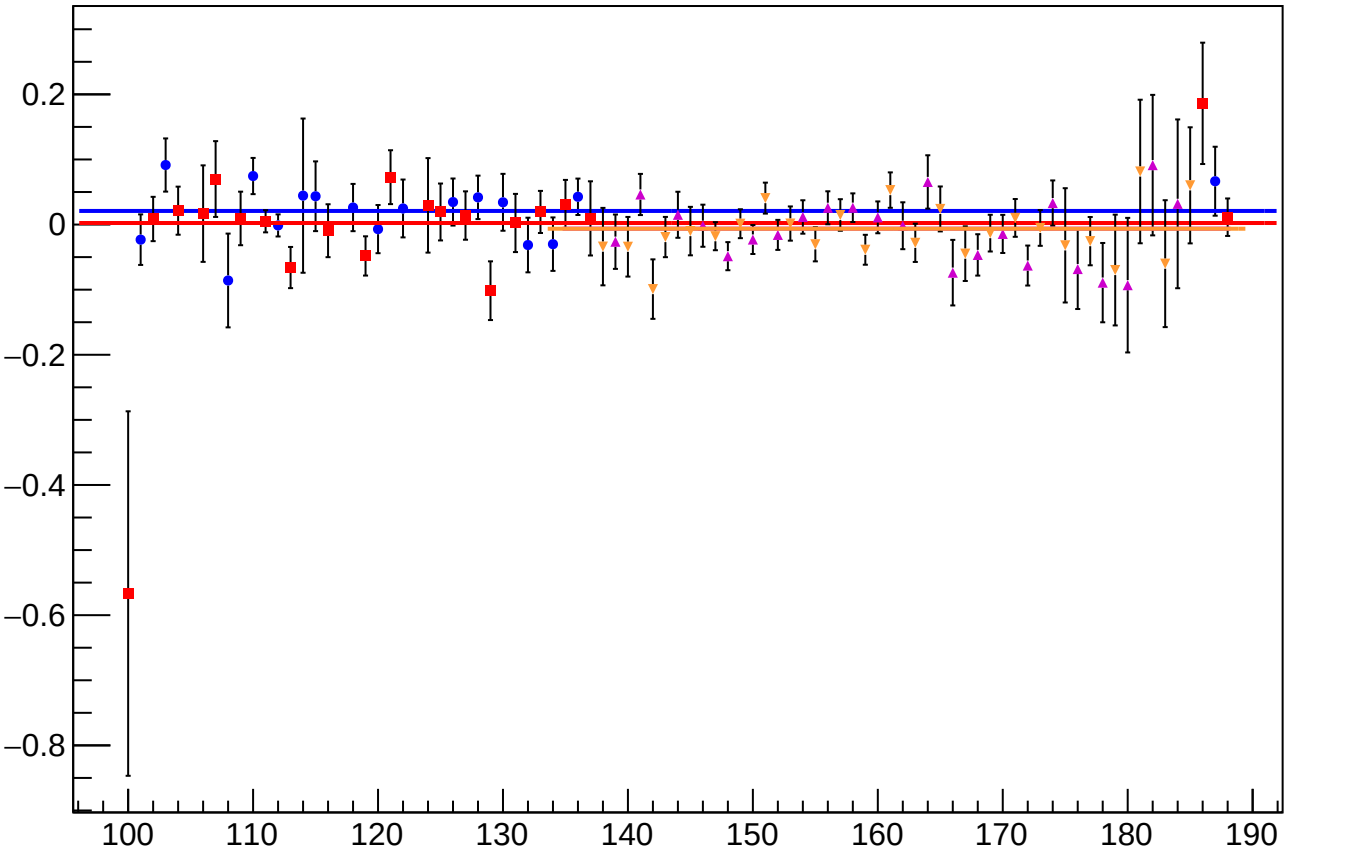
Right Out: 0.002+/-0.000 χ^2/NDF: 2336877.7/20

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 1969035.8/41

All: 0.002+/-0.000 χ^2/NDF: 5496620.2/85

- sign 0.002+/-0.000 χ^2/NDF: 3521565.4/43



Right In: 0.021+/-0.009 χ^2/NDF: 17.8/16

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.008 χ^2/NDF: 26.9/20

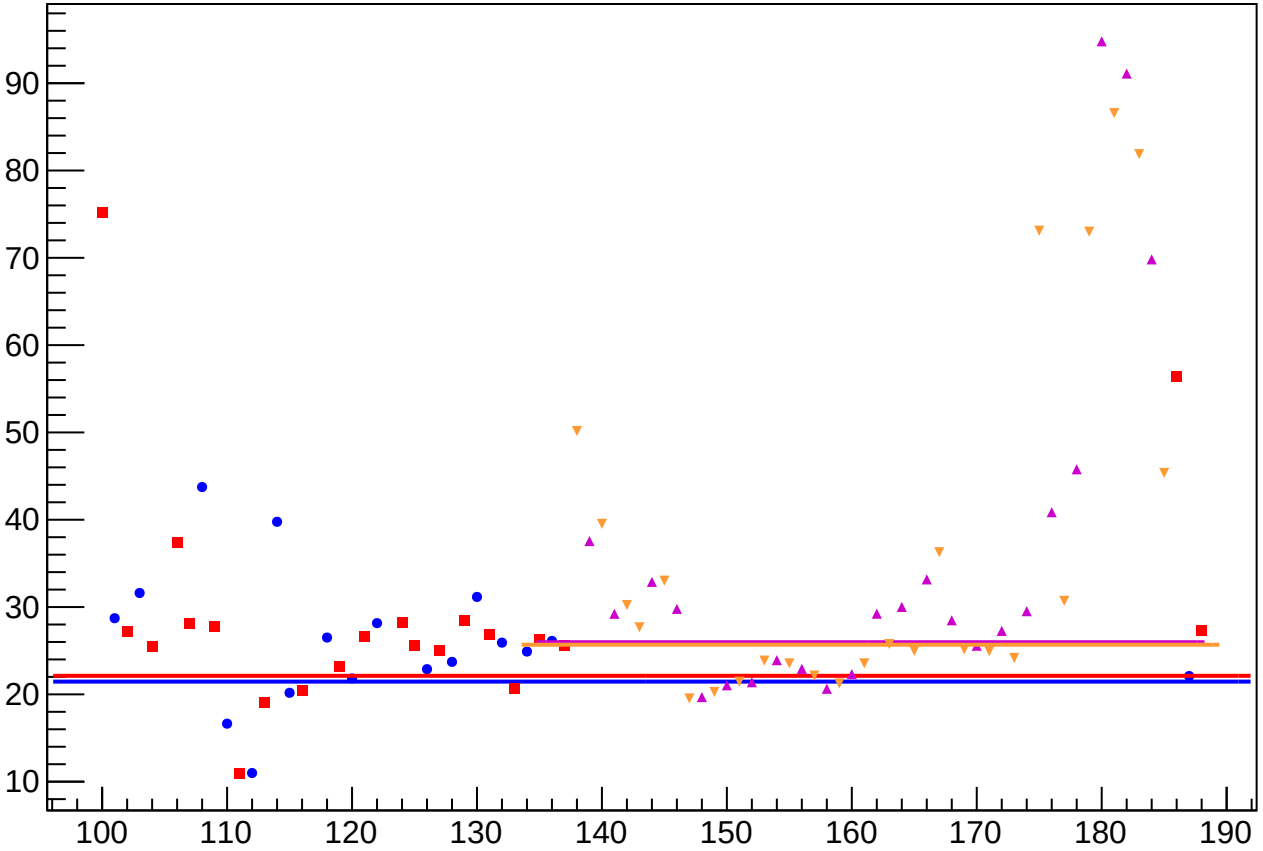
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 46.9/41

All: 0.000+/-0.004 χ^2/NDF: 103.6/85

- sign -0.003+/-0.005 χ^2/NDF: 56.0/43

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.460+/-0.006 χ^2/NDF: 1541157.7/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

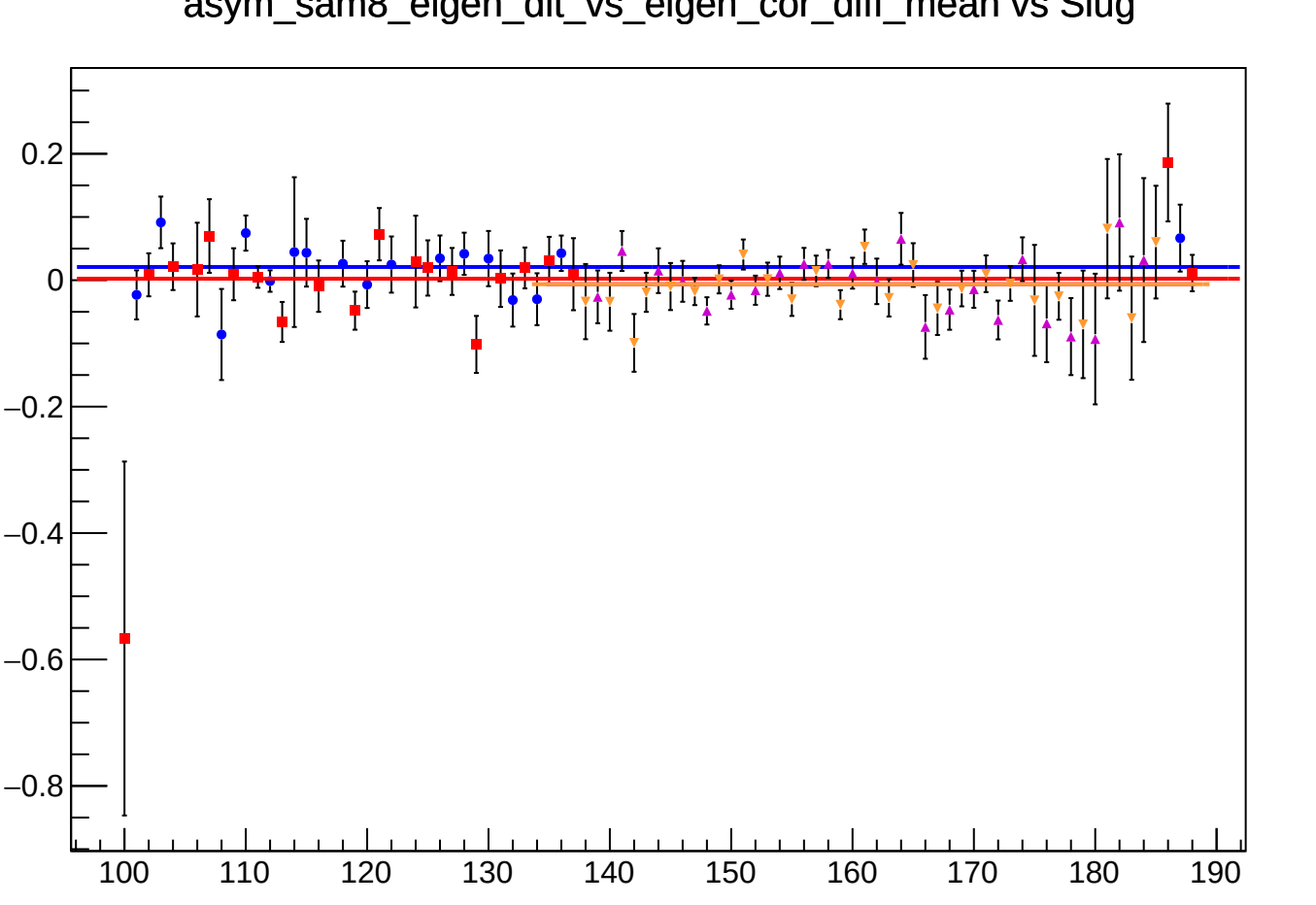
Right Out: 22.125+/-0.006 χ^2/NDF: 1661412.8/20

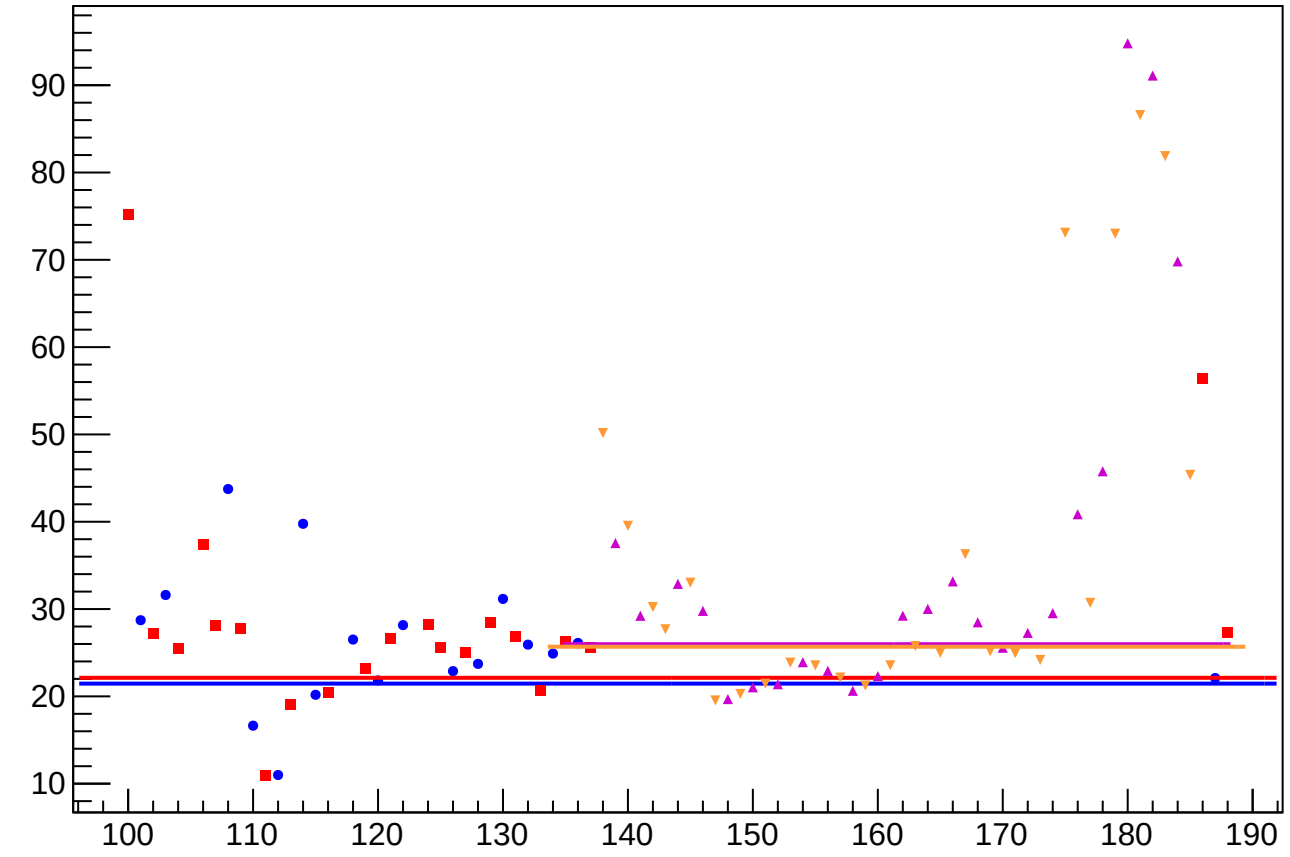
Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.174+/-0.004 χ^2/NDF: 5724908.4/41

All: 24.305+/-0.003 χ^2/NDF: 10776370.1/85

- sign 24.436+/-0.004 χ^2/NDF: 5048859.4/43


asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.021+/-0.009 χ²/NDF: 17.8/16
Left Out: -0.006+/-0.006 χ²/NDF:22.6/24
Right Out: 0.002+/-0.008 χ²/NDF: 26.9/20
Left In: -0.006+/-0.007 χ²/NDF:28.4/22
+ sign 0.003+/-0.005 χ²/NDF: 46.9/41
All: 0.000+/-0.004 χ²/NDF: 103.6/85
- sign -0.003+/-0.005 χ²/NDF: 56.0/43



Right In: 21.460+/-0.006 χ^2/NDF: 1541157.7/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

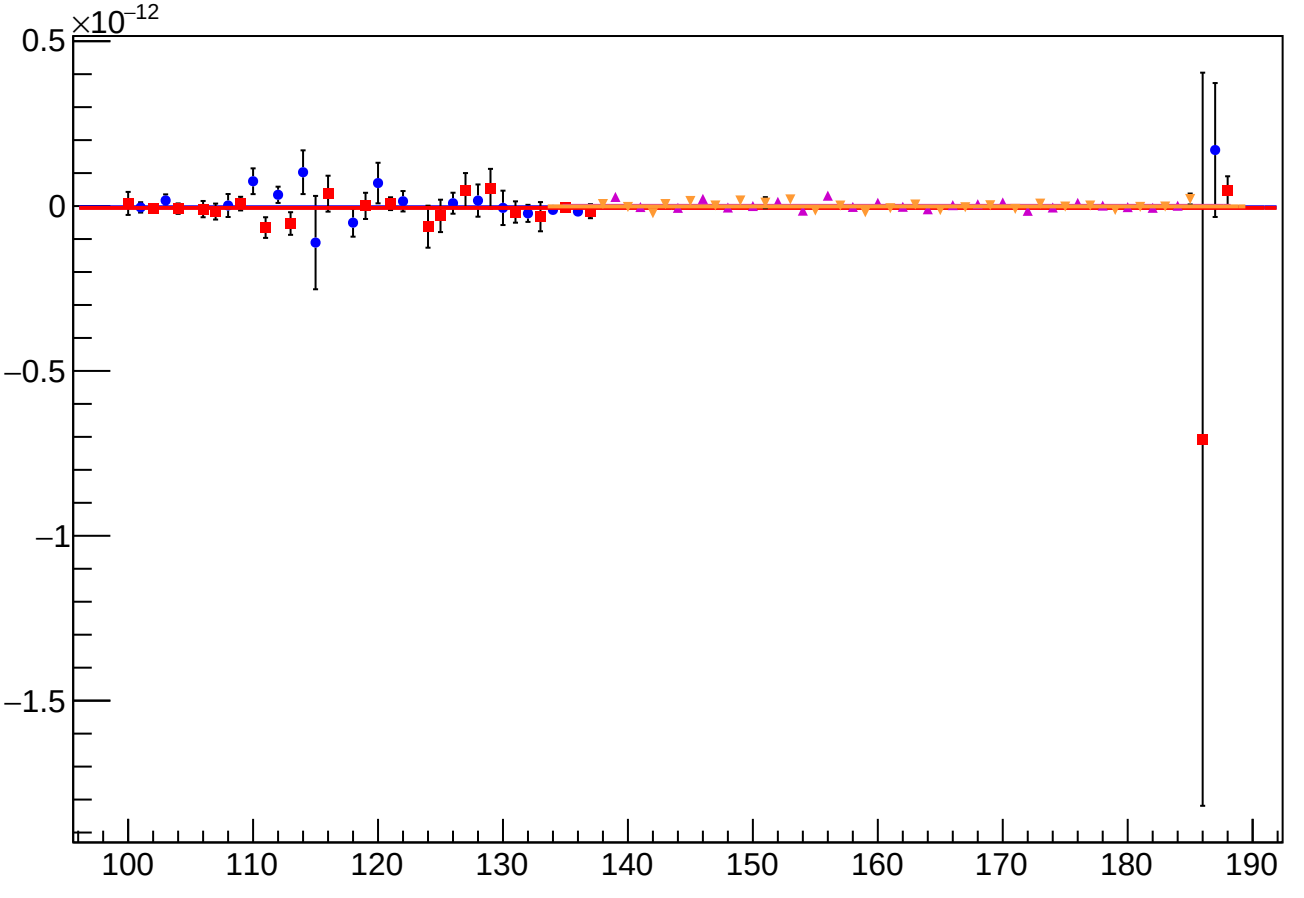
Right Out: 22.125+/-0.006 χ^2/NDF: 1661412.8/20

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.174+/-0.004 χ^2/NDF: 5724908.4/41

All: 24.305+/-0.003 χ^2/NDF: 10776370.1/85

- sign 24.436+/-0.004 χ^2/NDF: 5048859.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

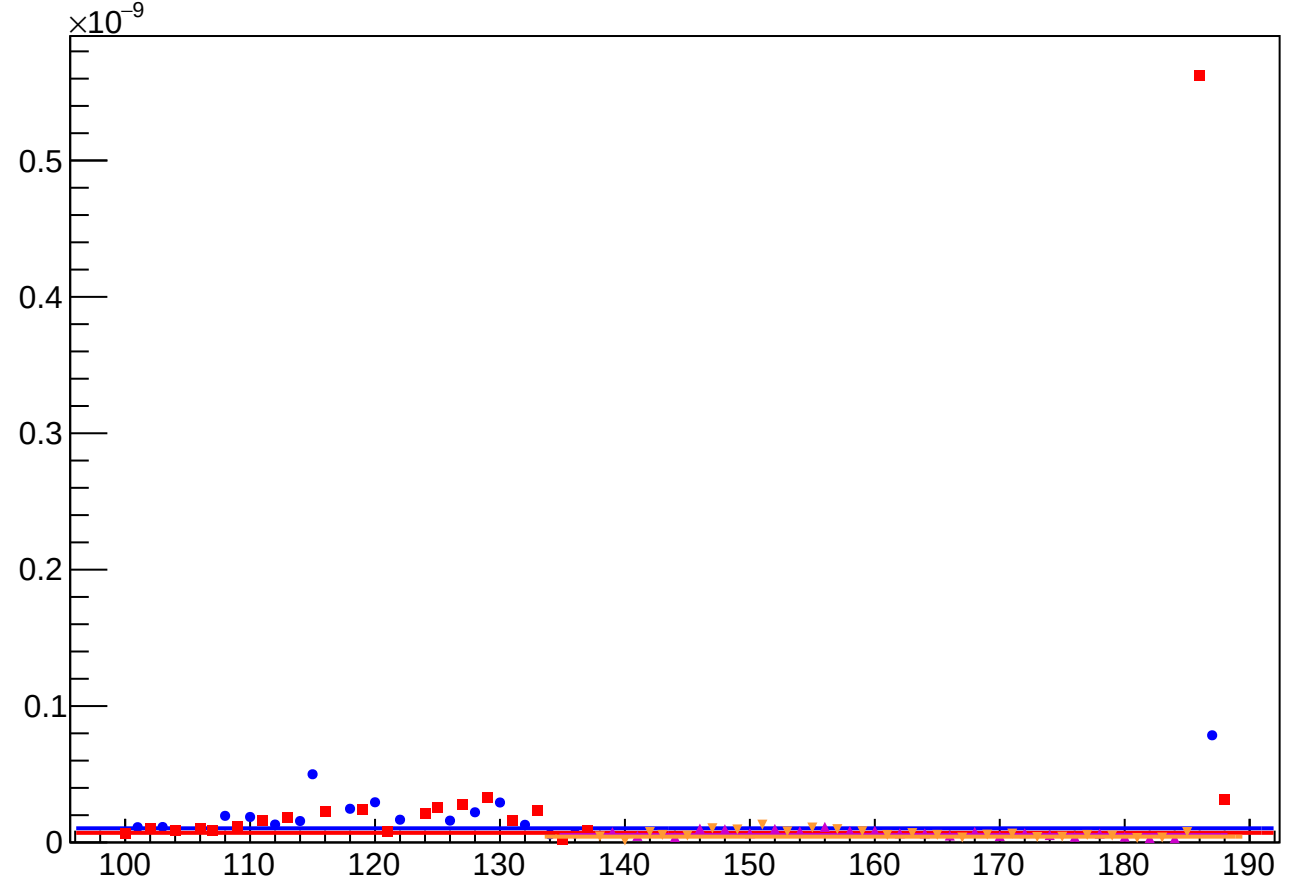
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/20

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.9/41

All: -0.000+/-0.000 χ^2/NDF: 91.5/85

- sign -0.000+/-0.000 χ^2/NDF: 44.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 2176940.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5120023.5/20

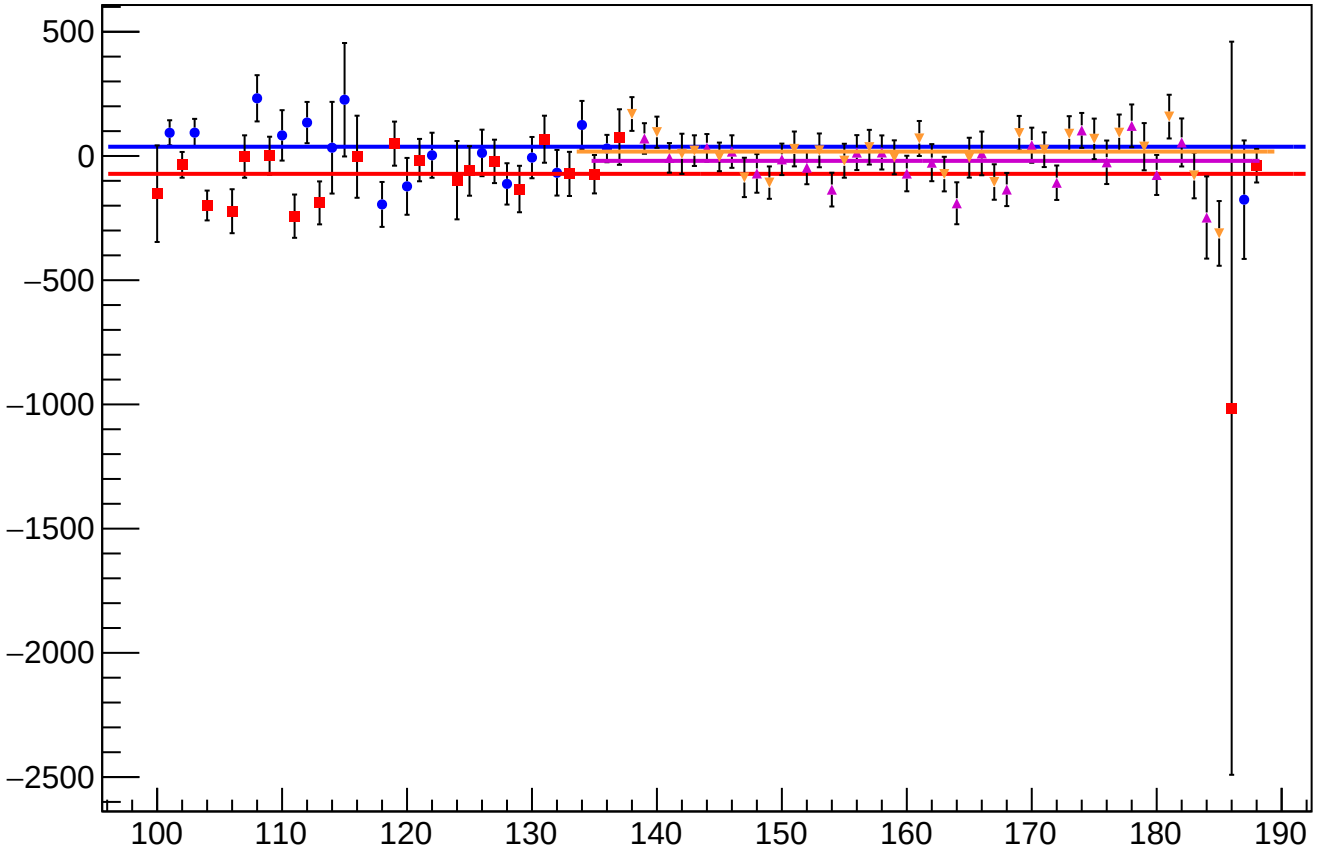
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9902286.6/41

All: 0.000+/-0.000 χ^2/NDF: 18577815.0/85

- sign 0.000+/-0.000 χ^2/NDF: 8170639.5/43

reg_asym_sam_15_avg_mean vs Slug



Right In: 37.220+/-20.339 χ^2/NDF: 24.1/16

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -71.932+/-18.995 χ^2/NDF: 23.1/20

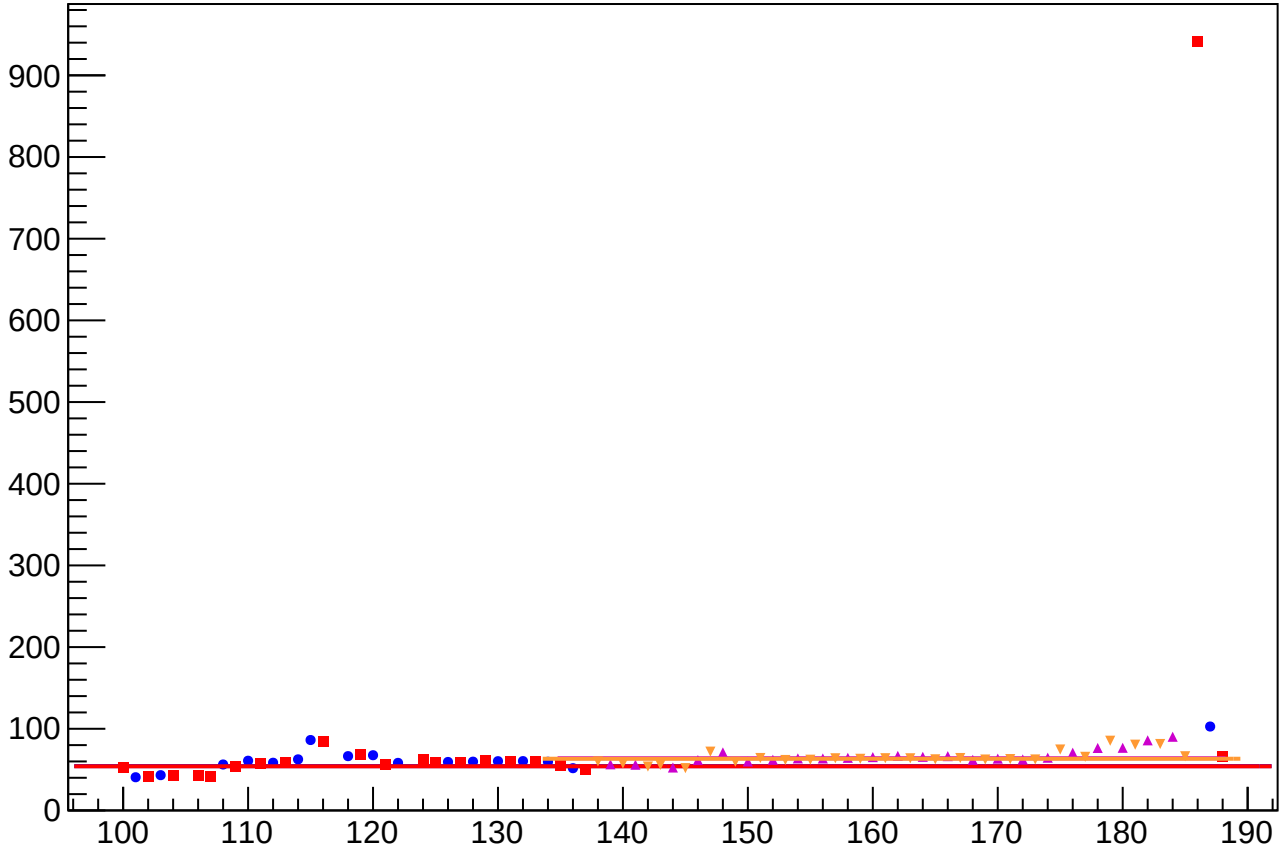
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.342+/-11.804 χ^2/NDF: 56.3/41

All: -7.759+/-8.342 χ^2/NDF: 125.1/85

- sign -39.792+/-11.792 χ^2/NDF: 54.0/43

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.268+/-0.014 χ^2/NDF: 476582.0/16

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 54.047+/-0.013 χ^2/NDF: 1213869.3/20

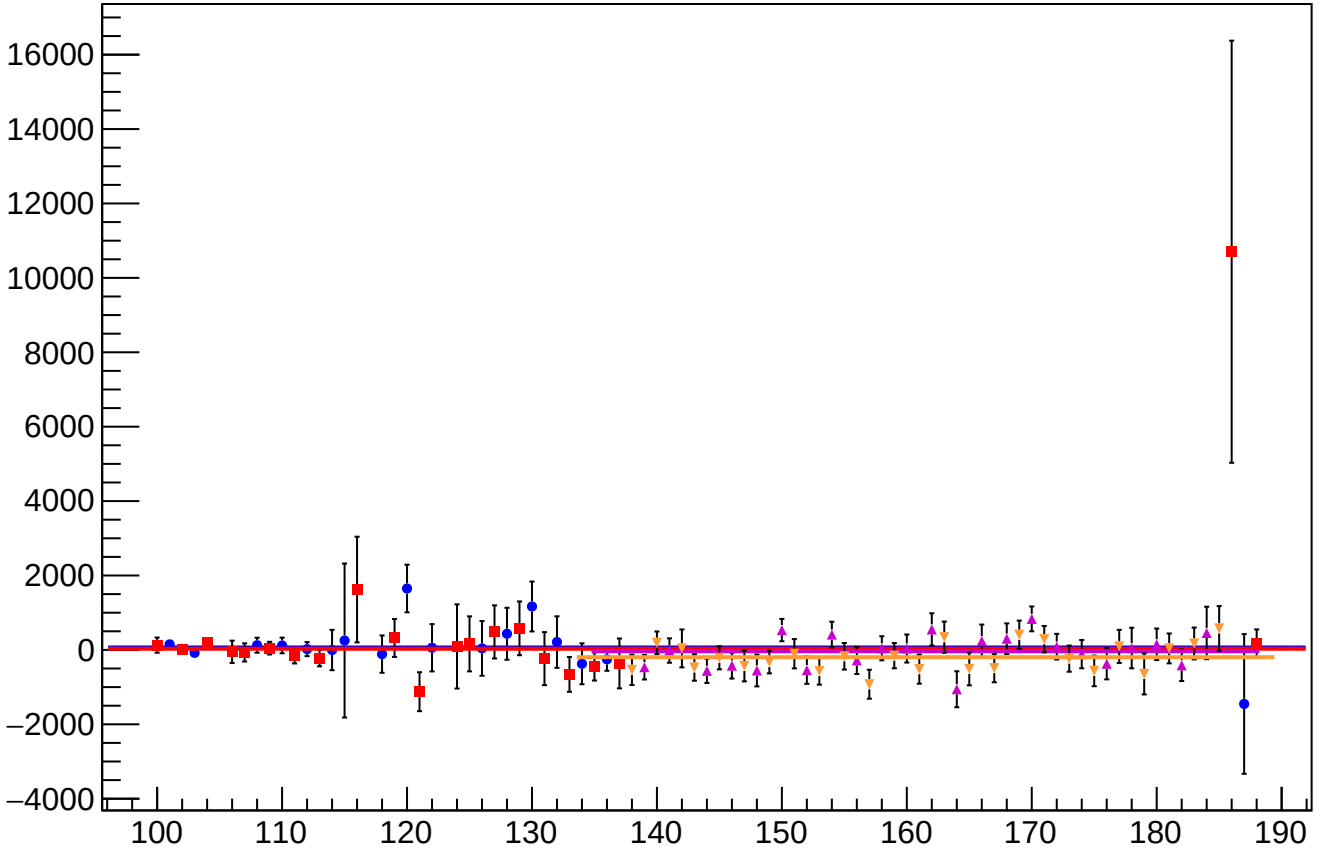
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.266+/-0.008 χ^2/NDF: 1236316.6/41

All: 60.190+/-0.006 χ^2/NDF: 3227624.4/85

- sign 60.114+/-0.008 χ^2/NDF: 1991143.4/43

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 64.923+/-46.464 χ^2/NDF: 16.4/16

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 31.489+/-49.828 χ^2/NDF: 21.7/20

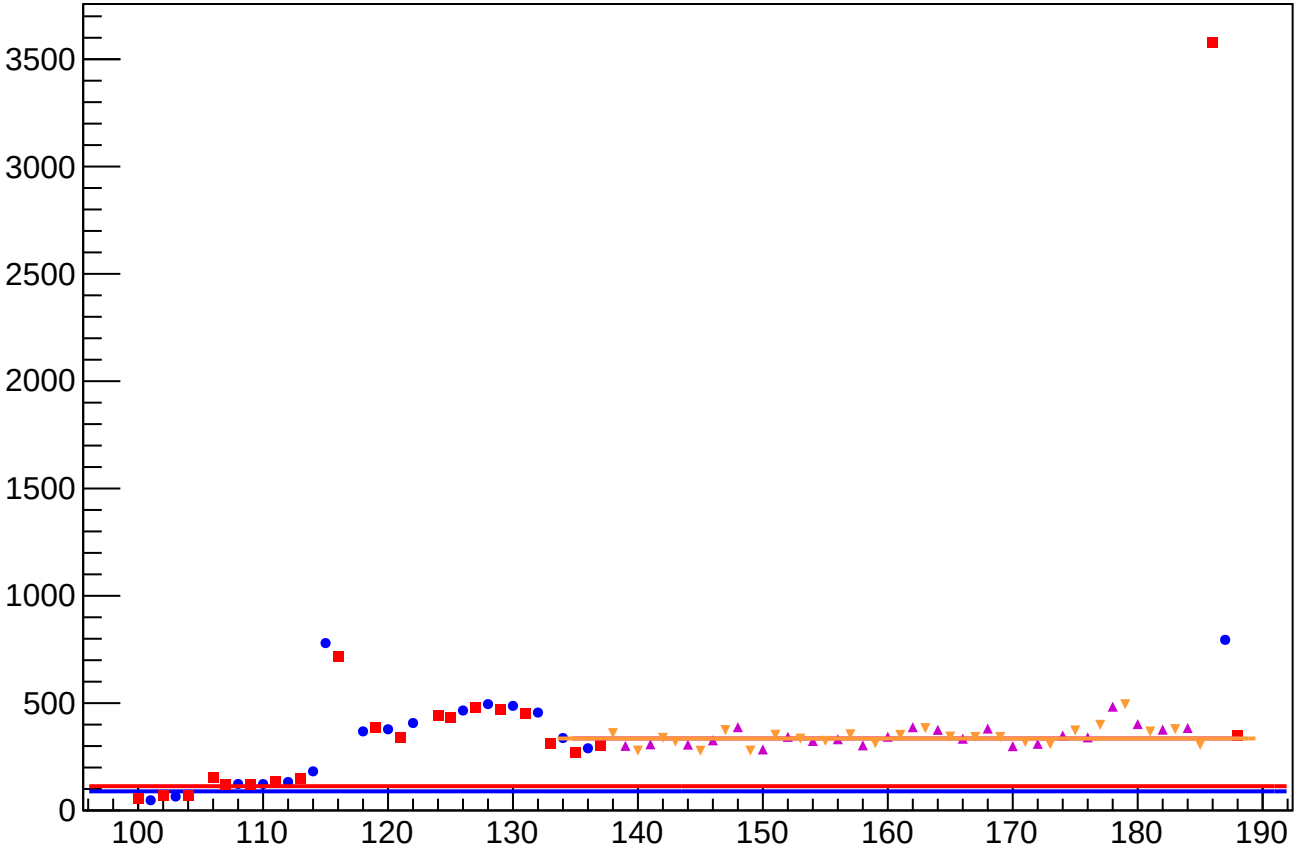
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -4.595+/-39.795 χ^2/NDF: 45.4/41

All: 3.332+/-28.945 χ^2/NDF: 98.8/85

- sign 12.236+/-42.177 χ^2/NDF: 53.3/43

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 89.090+/-0.033 χ^2/NDF: 6930792.0/16

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 113.026+/-0.035 χ^2/NDF: 6936101.2/20

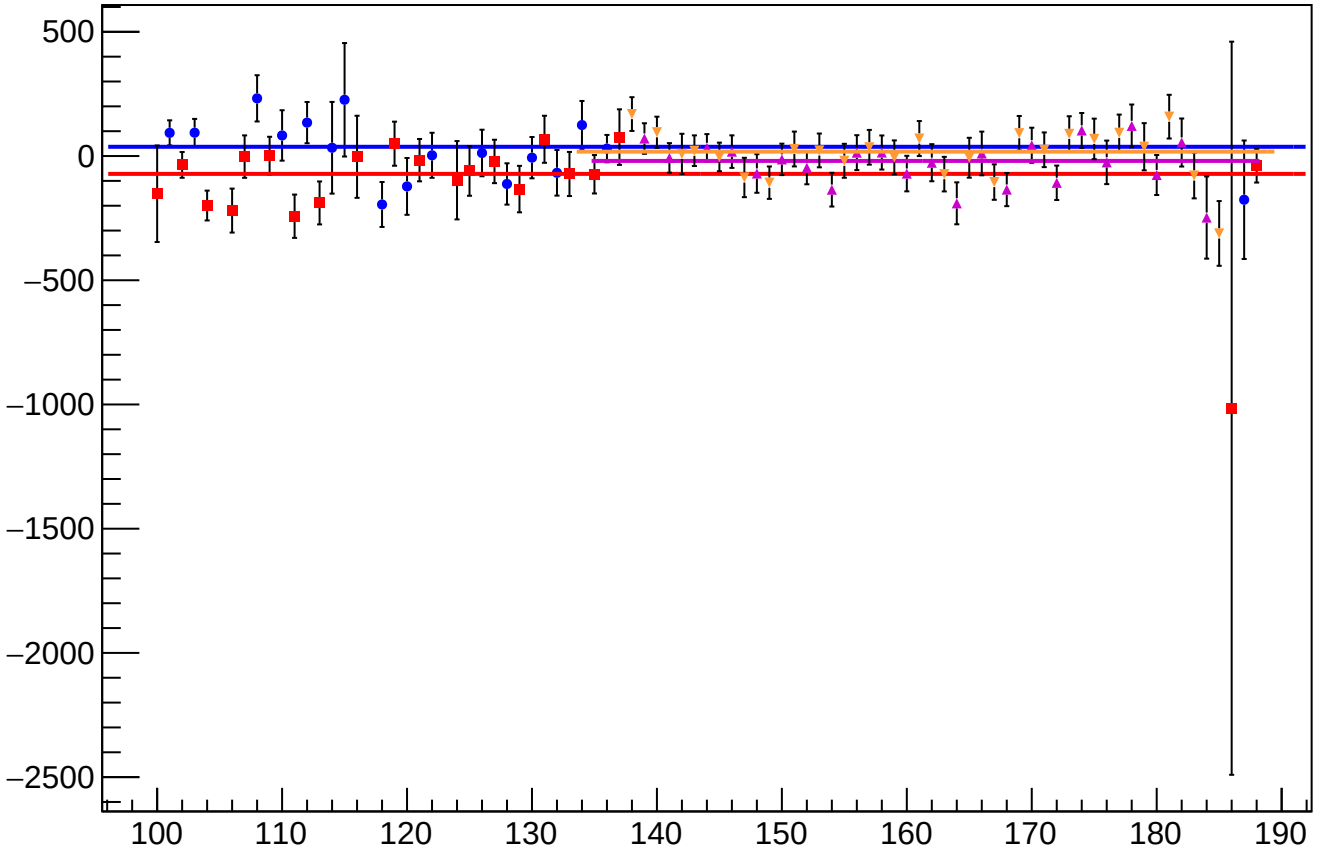
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 154.694+/-0.028 χ^2/NDF: 22456004.6/41

All: 164.780+/-0.020 χ^2/NDF: 41466713.4/85

- sign 176.110+/-0.030 χ^2/NDF: 18737901.5/43

cor_asym_sam_15_avg_mean vs Slug



Right In: 37.232+/-20.339 χ^2/NDF: 24.1/16

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -71.806+/-18.997 χ^2/NDF: 23.0/20

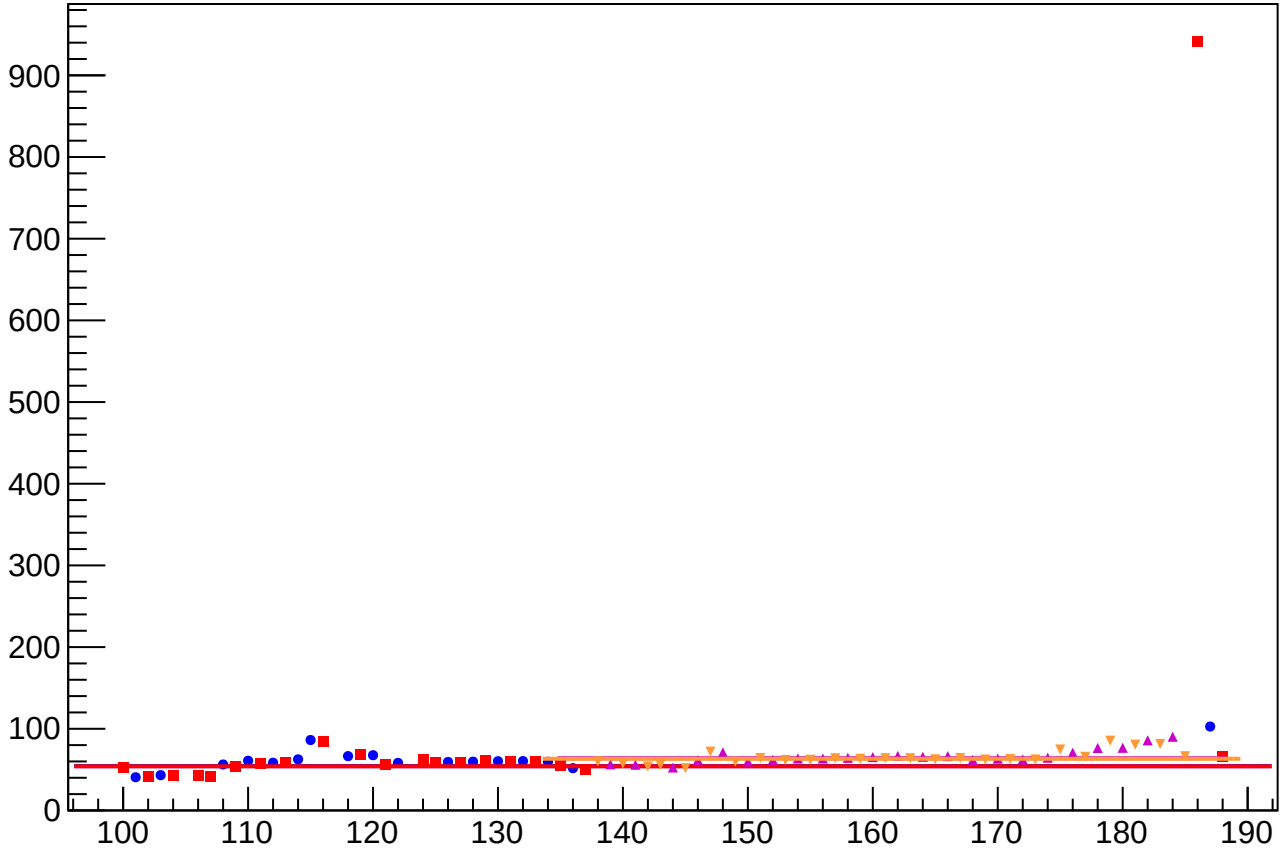
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.348+/-11.804 χ^2/NDF: 56.3/41

All: -7.730+/-8.342 χ^2/NDF: 124.9/85

- sign -39.741+/-11.792 χ^2/NDF: 53.9/43

cor_asym_sam_15_avg_rms vs Slug



Right In: 54.268+/-0.014 χ^2/NDF: 476581.4/16

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 54.045+/-0.013 χ^2/NDF: 1214202.4/20

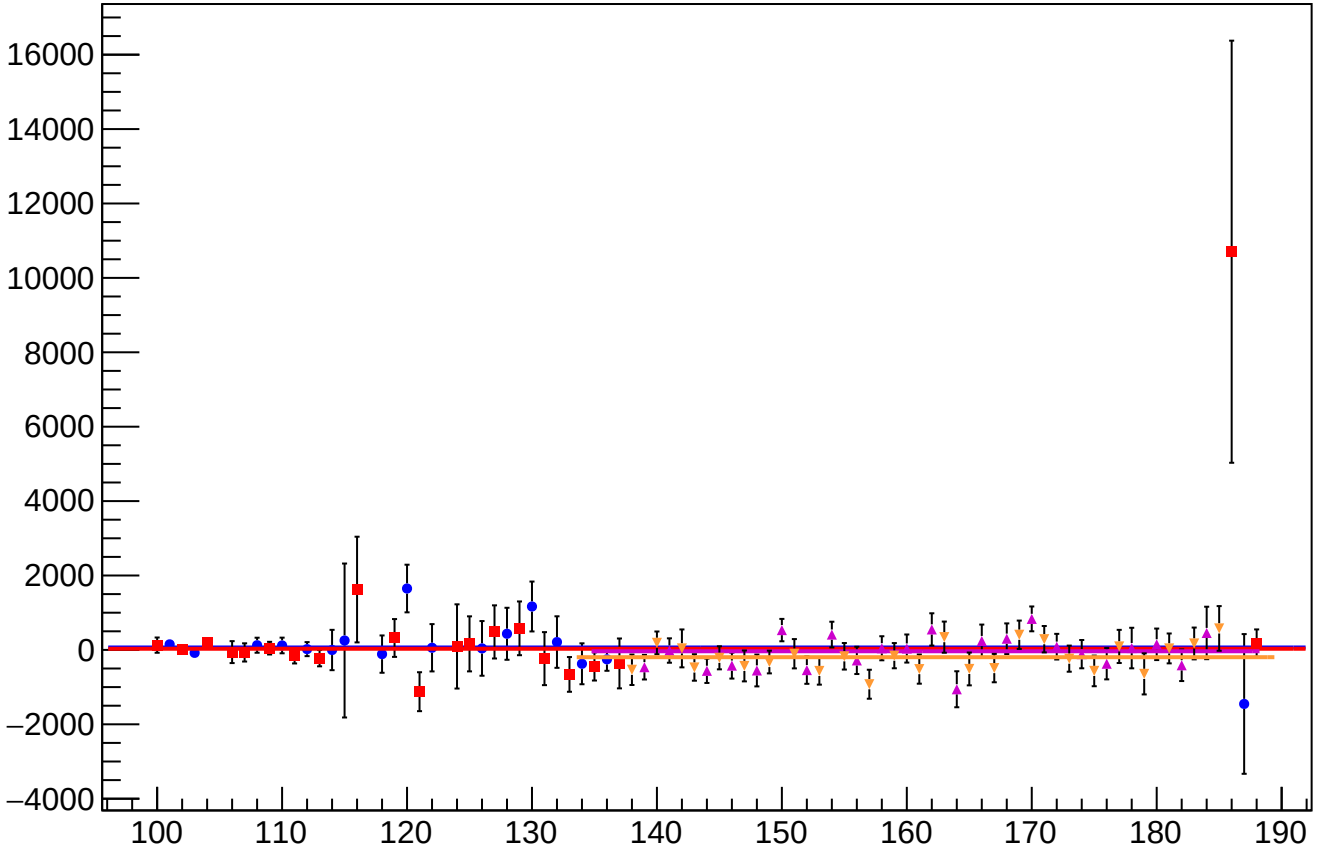
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.266+/-0.008 χ^2/NDF: 1236315.5/41

All: 60.190+/-0.006 χ^2/NDF: 3228059.8/85

- sign 60.114+/-0.008 χ^2/NDF: 1991578.9/43

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 64.927+/-46.463 χ^2/NDF: 16.4/16

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 31.047+/-49.786 χ^2/NDF: 21.7/20

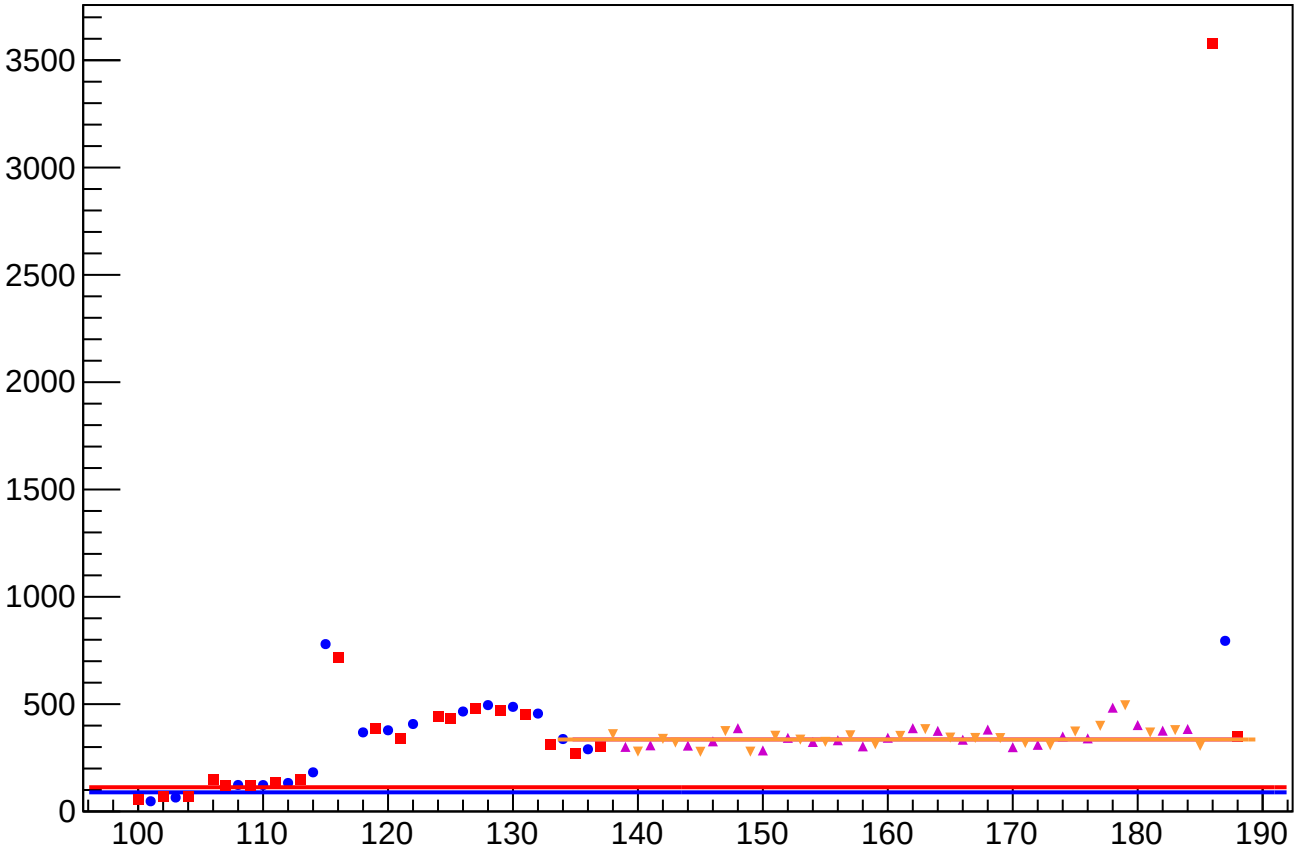
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -4.588+/-39.794 χ^2/NDF: 45.4/41

All: 3.202+/-28.936 χ^2/NDF: 98.8/85

- sign 11.943+/-42.151 χ^2/NDF: 53.3/43

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 89.088+/-0.033 χ^2/NDF: 6930873.8/16

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 112.843+/-0.035 χ^2/NDF: 6929463.4/20

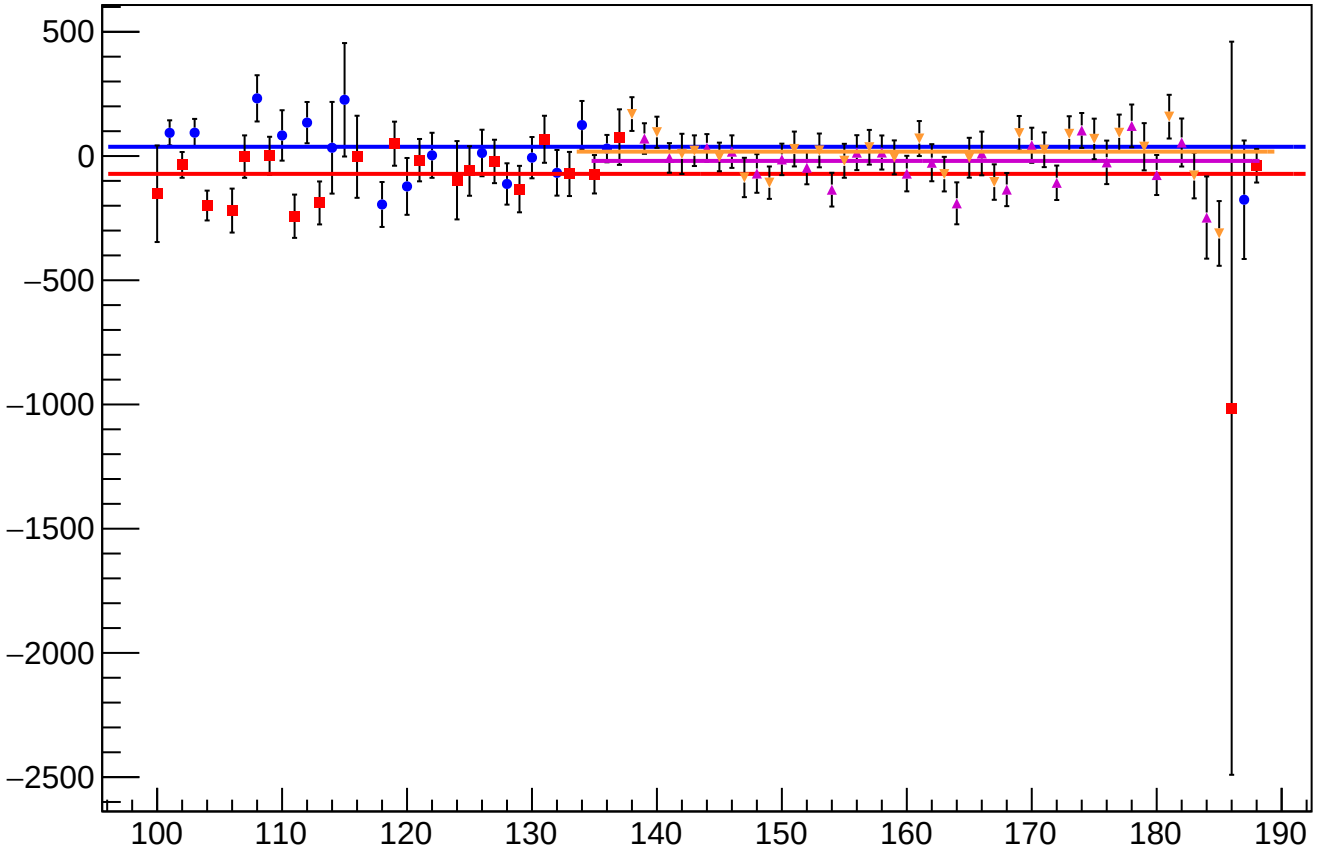
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 154.690+/-0.028 χ^2/NDF: 22456576.3/41

All: 164.687+/-0.020 χ^2/NDF: 41479649.1/85

- sign 175.903+/-0.030 χ^2/NDF: 18755231.8/43

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 37.232+/-20.339 χ^2/NDF: 24.1/16

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -71.806+/-18.997 χ^2/NDF: 23.0/20

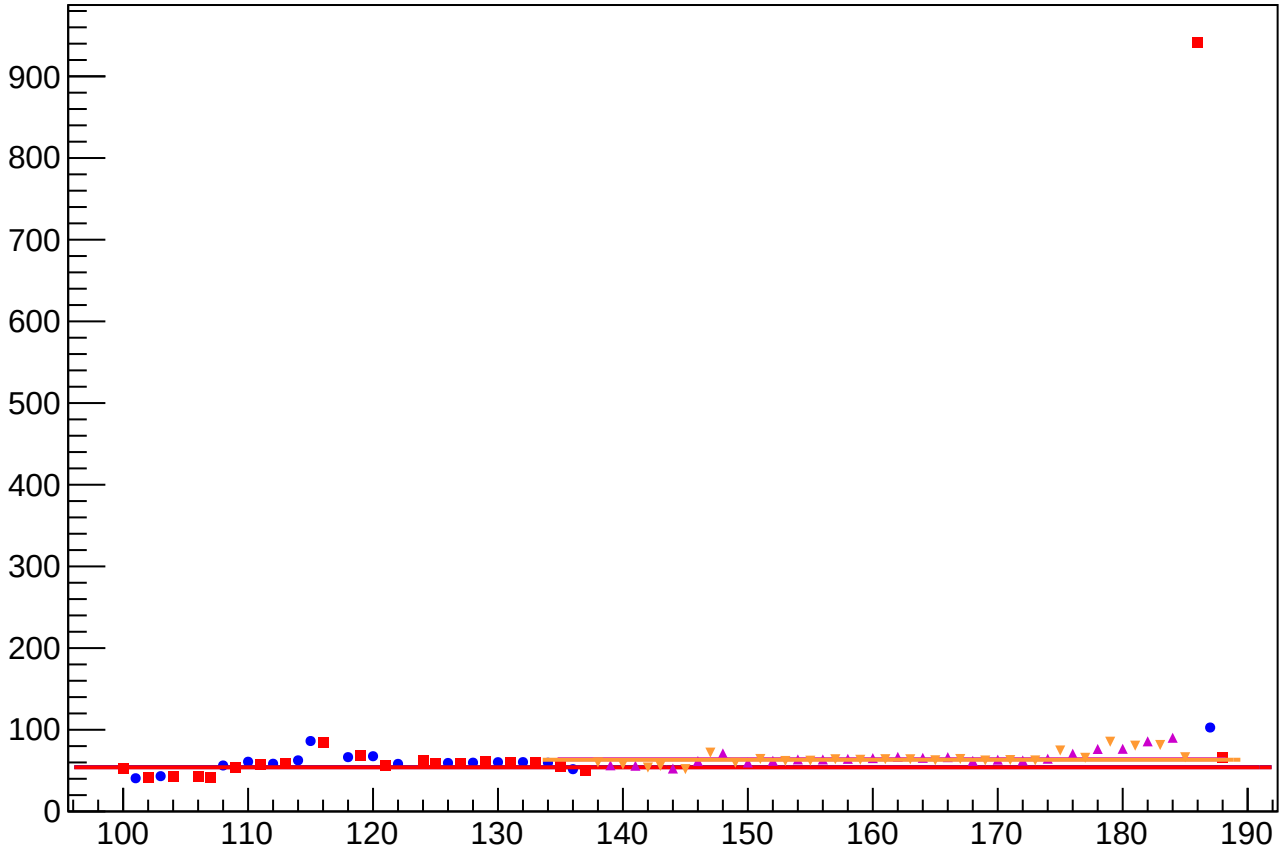
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.348+/-11.804 χ^2/NDF: 56.3/41

All: -7.730+/-8.342 χ^2/NDF: 124.9/85

- sign -39.741+/-11.792 χ^2/NDF: 53.9/43

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 54.268+/-0.014 χ^2/NDF: 476581.4/16

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

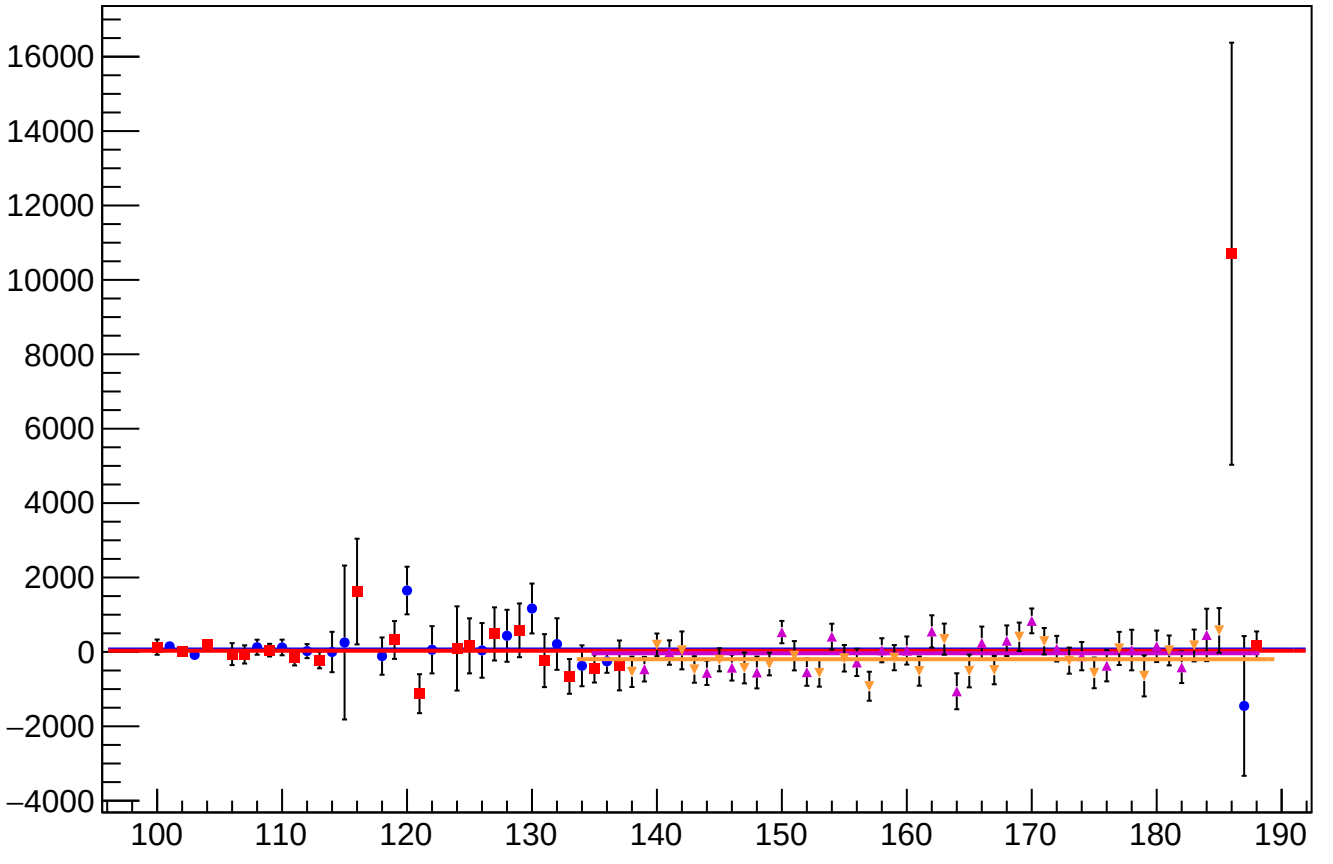
Right Out: 54.045+/-0.013 χ^2/NDF: 1214202.4/20

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.266+/-0.008 χ^2/NDF: 1236315.5/41

All: 60.190+/-0.006 χ^2/NDF: 3228059.8/85

- sign 60.114+/-0.008 χ^2/NDF: 1991578.9/43



Right In: 64.927+/-46.463 χ^2/NDF: 16.4/16

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 31.047+/-49.786 χ^2/NDF: 21.7/20

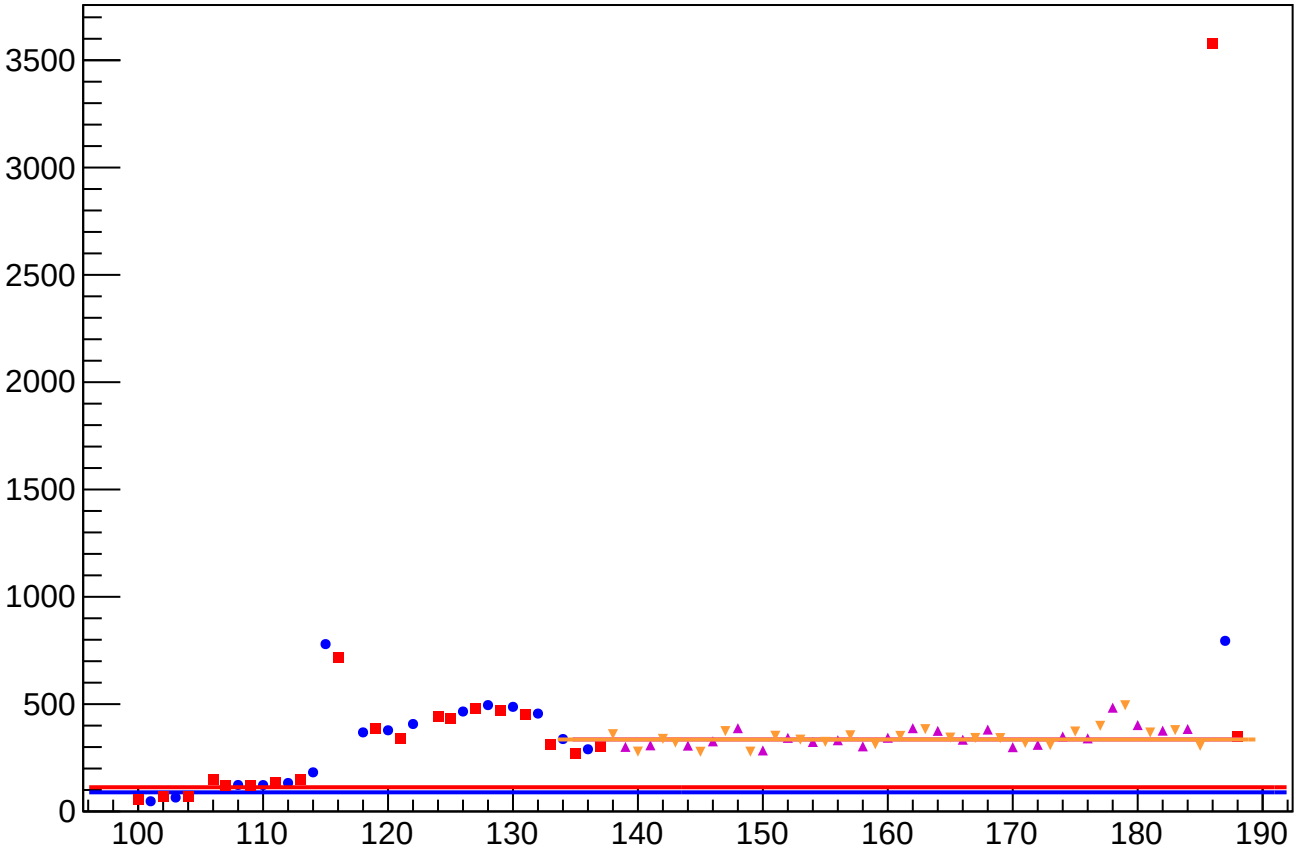
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -4.588+/-39.794 χ^2/NDF: 45.4/41

All: 3.202+/-28.936 χ^2/NDF: 98.8/85

- sign 11.943+/-42.151 χ^2/NDF: 53.3/43

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 89.088+/-0.033 χ^2/NDF: 6930873.8/16

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 112.843+/-0.035 χ^2/NDF: 6929463.4/20

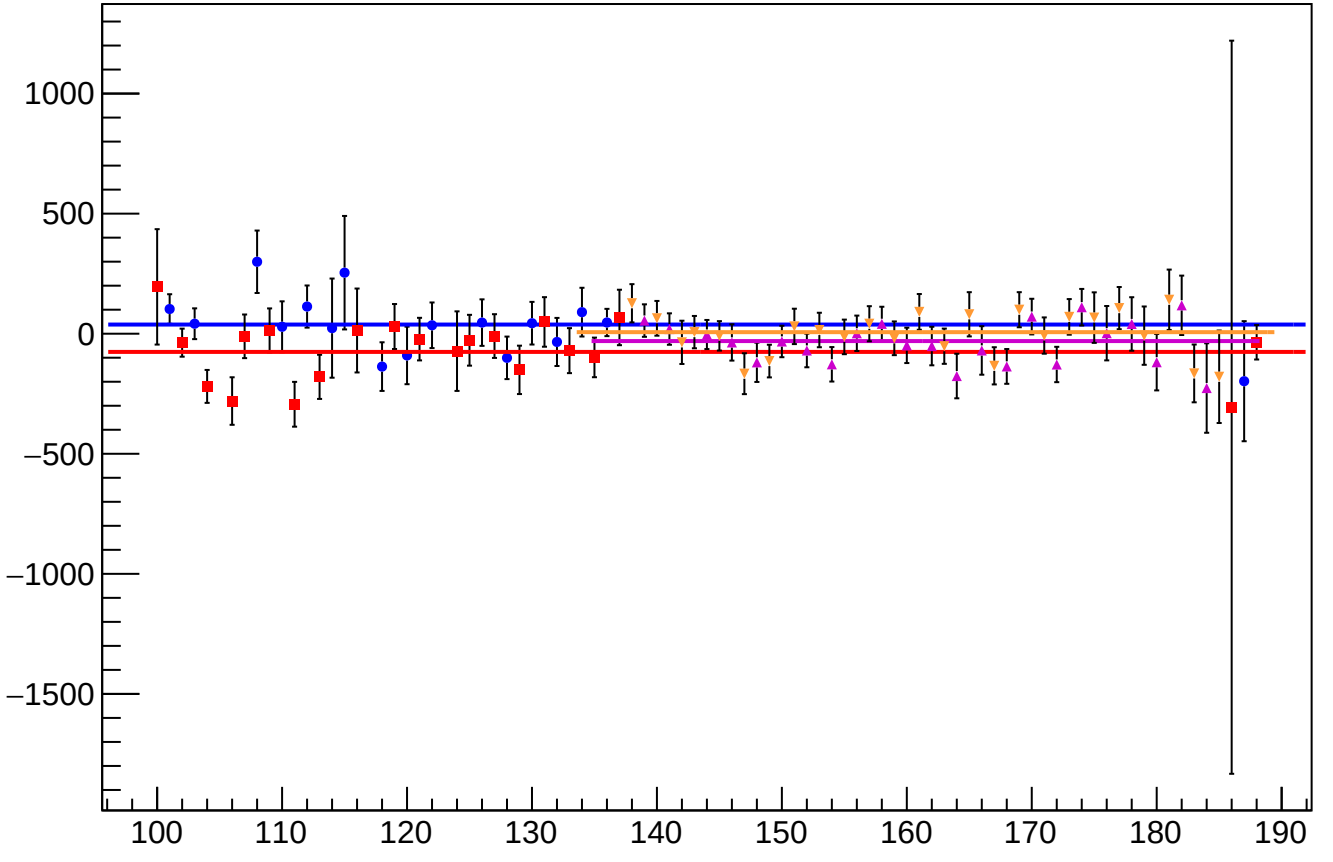
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 154.690+/-0.028 χ^2/NDF: 22456576.3/41

All: 164.687+/-0.020 χ^2/NDF: 41479649.1/85

- sign 175.903+/-0.030 χ^2/NDF: 18755231.8/43

dit_asym_sam_15_avg_mean vs Slug



Right In: 38.118+/-22.424 χ^2/NDF: 15.0/16

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -75.798+/-20.661 χ^2/NDF: 25.2/20

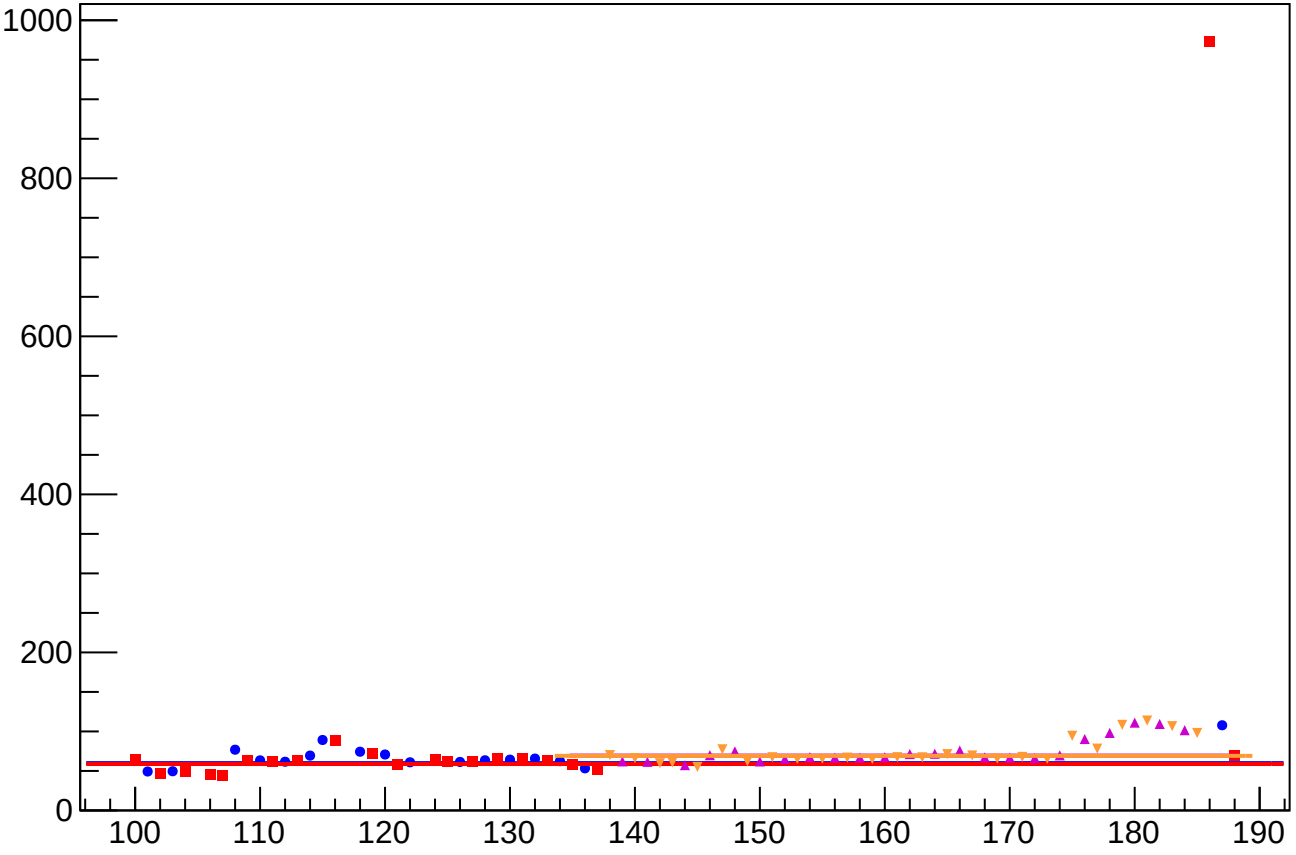
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.126+/-13.012 χ^2/NDF: 41.4/41

All: -15.855+/-9.159 χ^2/NDF: 104.7/85

- sign -48.243+/-12.895 χ^2/NDF: 50.5/43

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.897+/-0.016 χ^2/NDF: 357225.6/16

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 58.754+/-0.015 χ^2/NDF: 1118774.6/20

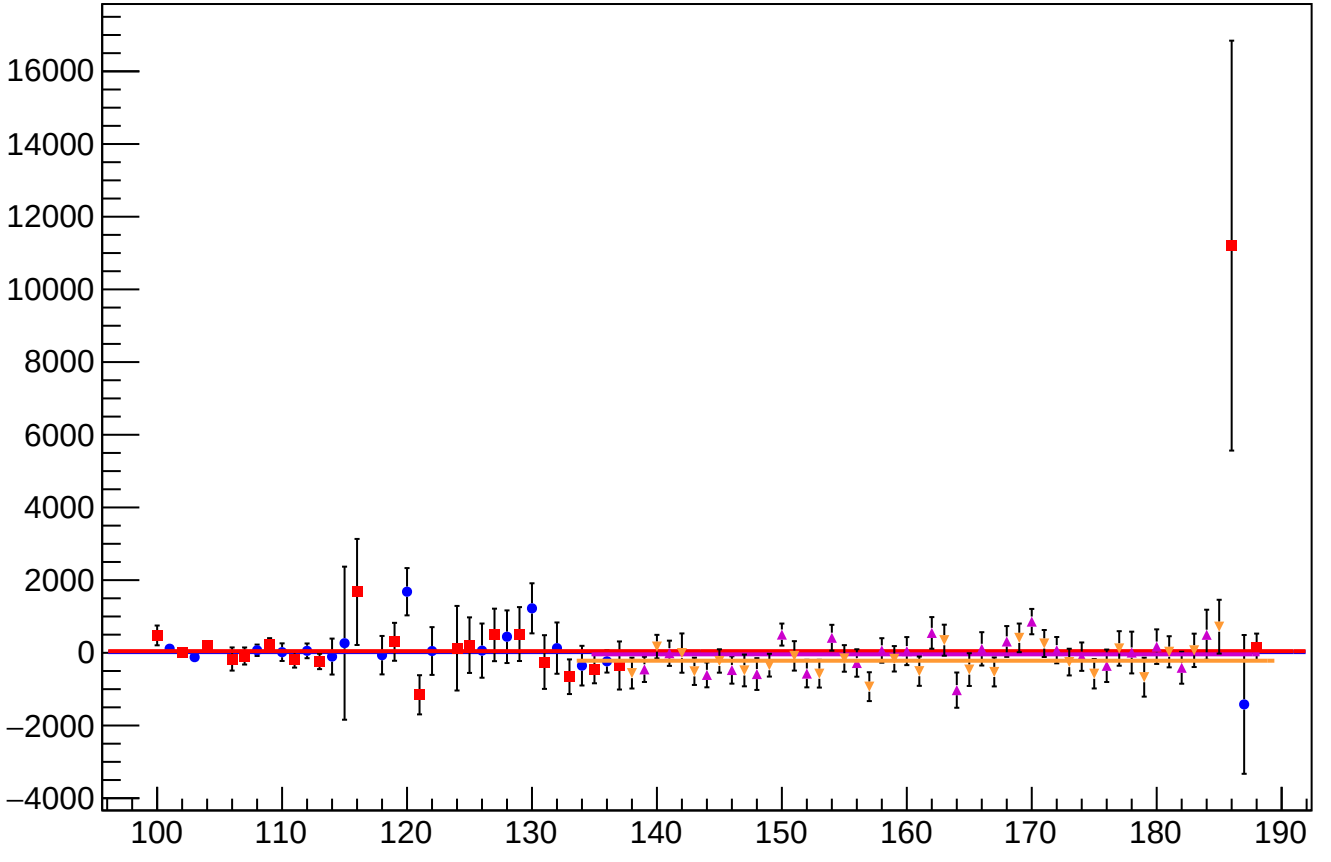
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 65.987+/-0.009 χ^2/NDF: 1653613.1/41

All: 65.628+/-0.006 χ^2/NDF: 4026381.9/85

- sign 65.276+/-0.009 χ^2/NDF: 2369753.4/43

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 19.707+/-53.564 χ^2/NDF: 15.2/16

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 46.479+/-52.675 χ^2/NDF: 25.5/20

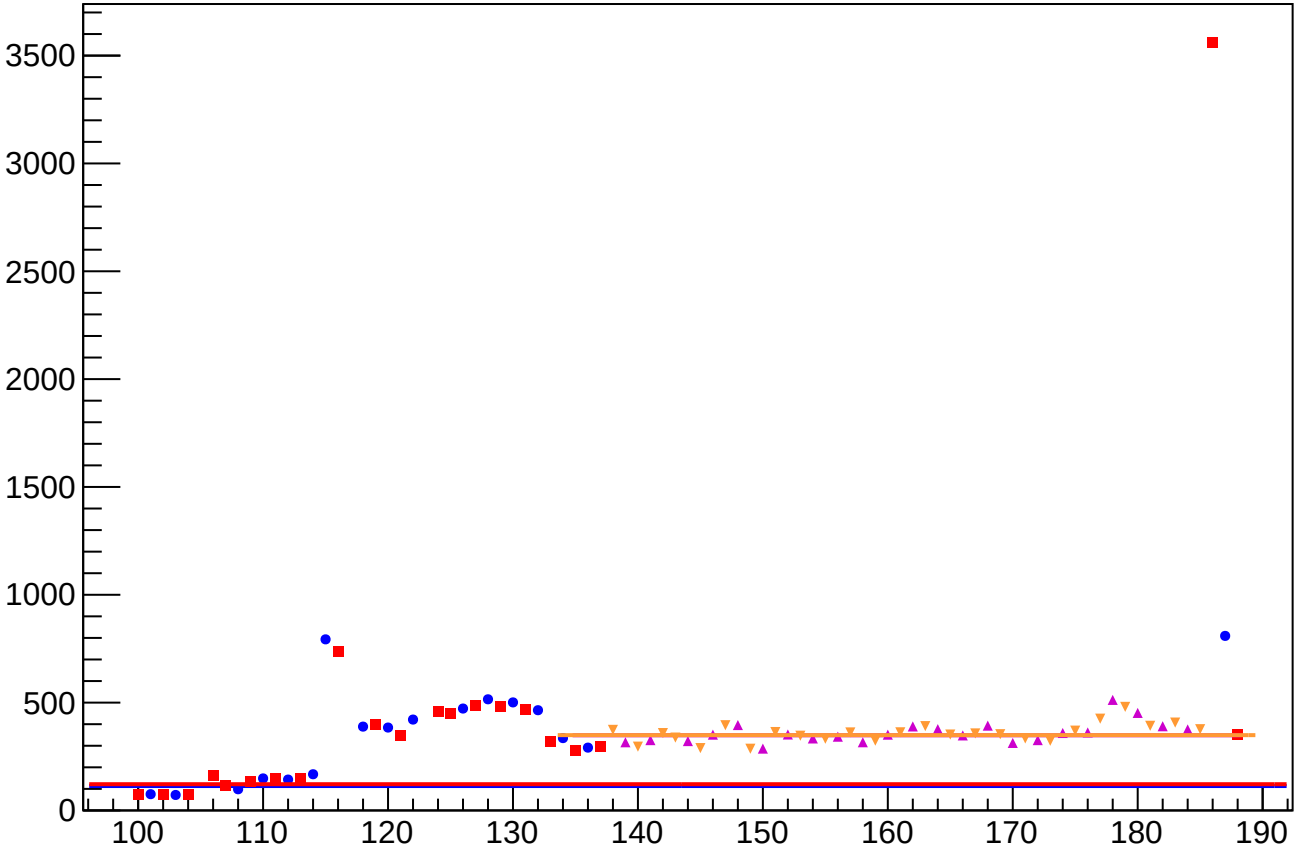
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -53.502+/-44.532 χ^2/NDF: 40.6/41

All: -16.162+/-31.428 χ^2/NDF: 98.3/85

- sign 20.889+/-44.359 χ^2/NDF: 56.3/43

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 113.216+/-0.038 χ^2/NDF: 5865725.7/16

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 121.737+/-0.037 χ^2/NDF: 6670086.7/20

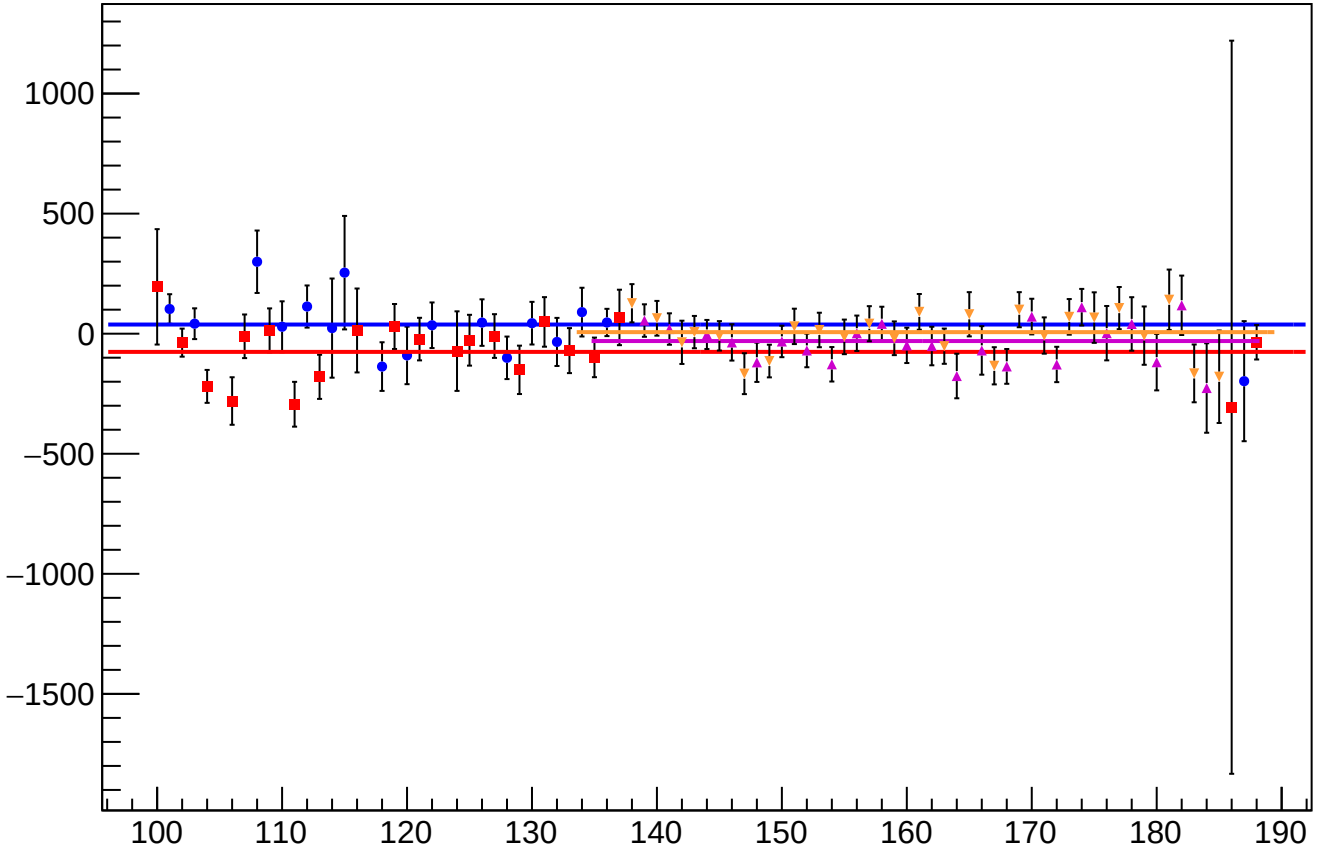
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 186.087+/-0.031 χ^2/NDF: 18375719.5/41

All: 186.898+/-0.022 χ^2/NDF: 36357859.0/85

- sign 187.703+/-0.031 χ^2/NDF: 17980816.8/43

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 38.117+/-22.424 χ^2/NDF: 15.0/16

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -75.798+/-20.661 χ^2/NDF: 25.2/20

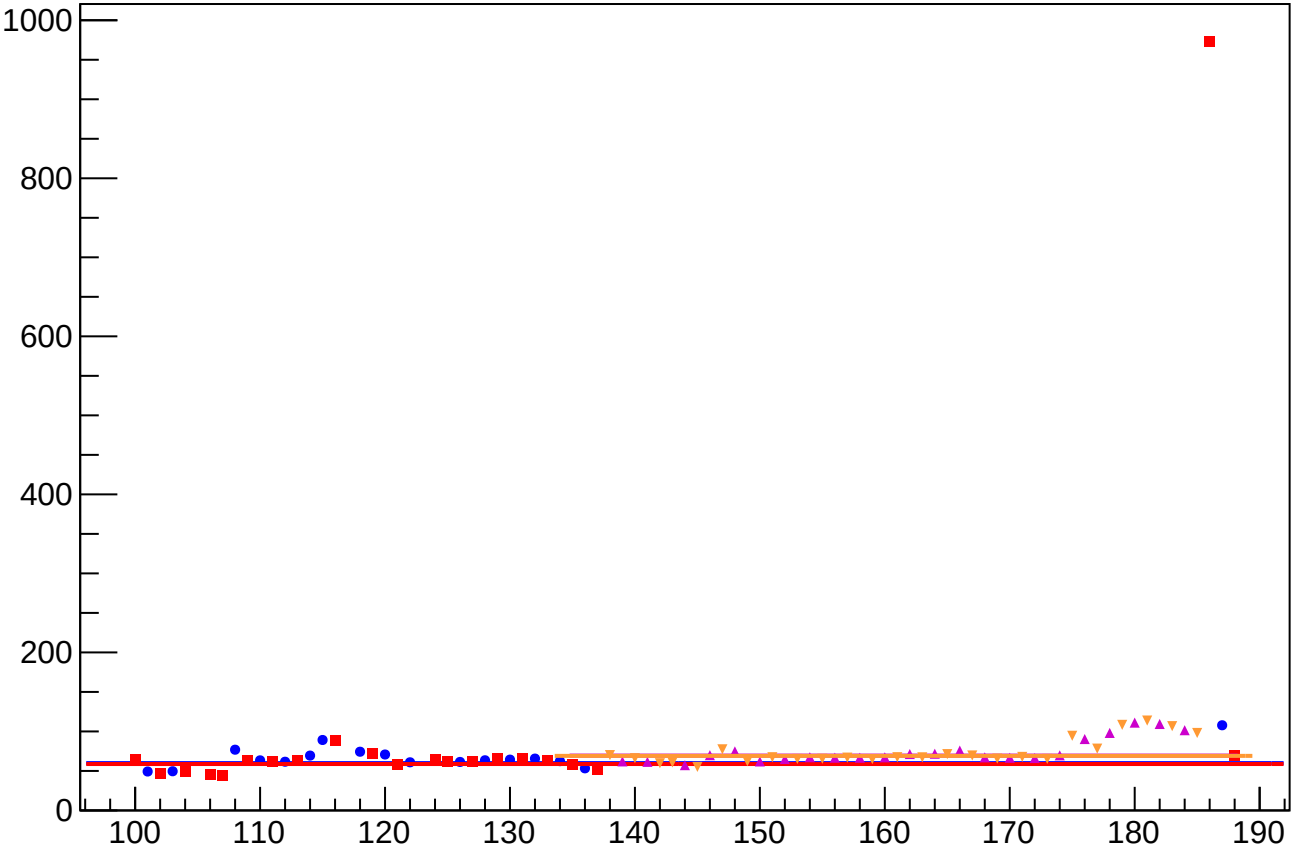
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.126+/-13.012 χ^2/NDF: 41.4/41

All: -15.855+/-9.159 χ^2/NDF: 104.7/85

- sign -48.243+/-12.895 χ^2/NDF: 50.5/43

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.897+/-0.016 χ^2/NDF: 357224.2/16

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 58.754+/-0.015 χ^2/NDF: 1118771.5/20

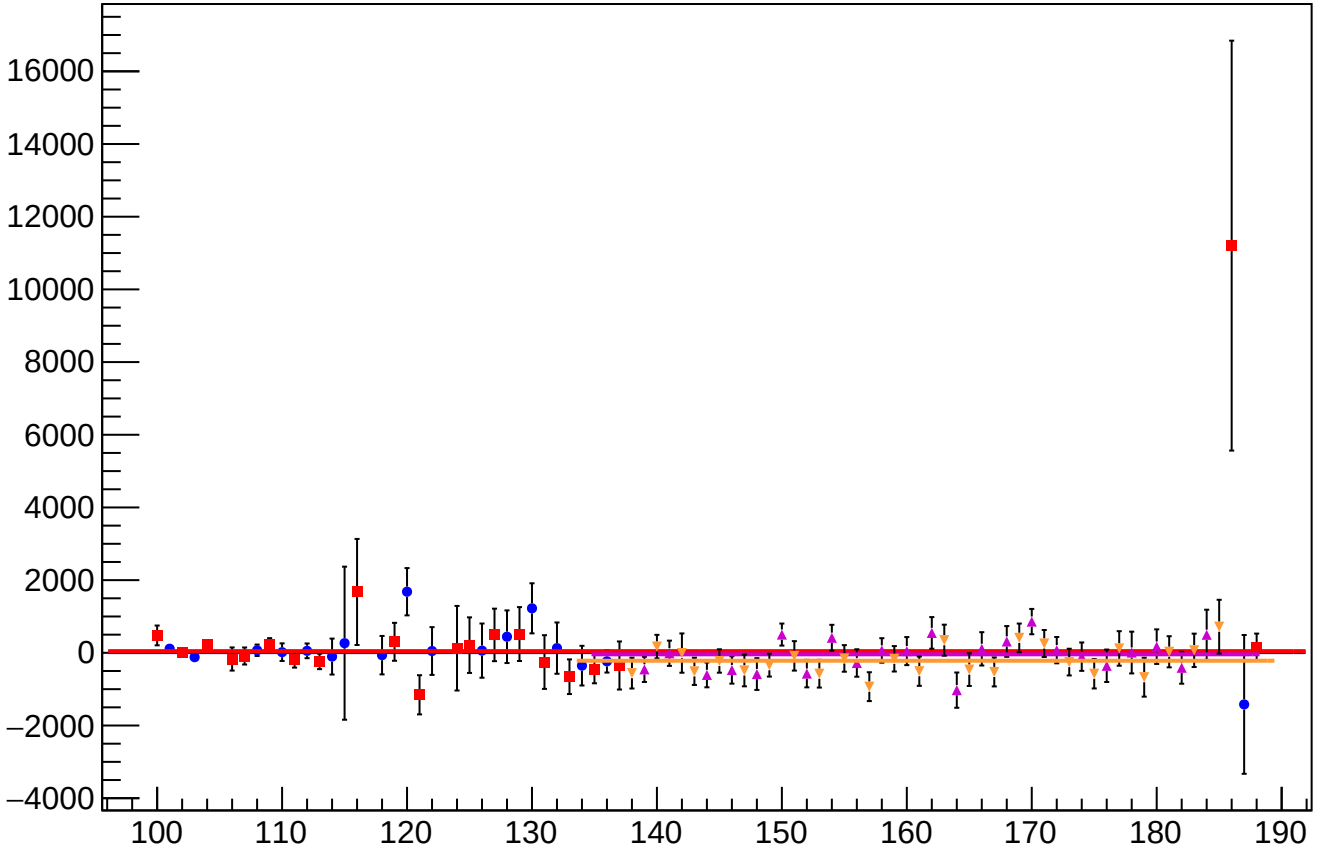
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 65.987+/-0.009 χ^2/NDF: 1653602.3/41

All: 65.628+/-0.006 χ^2/NDF: 4026365.2/85

- sign 65.276+/-0.009 χ^2/NDF: 2369747.8/43

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: 19.707+/-53.564 χ^2/NDF: 15.2/16

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: 46.478+/-52.675 χ^2/NDF: 25.5/20

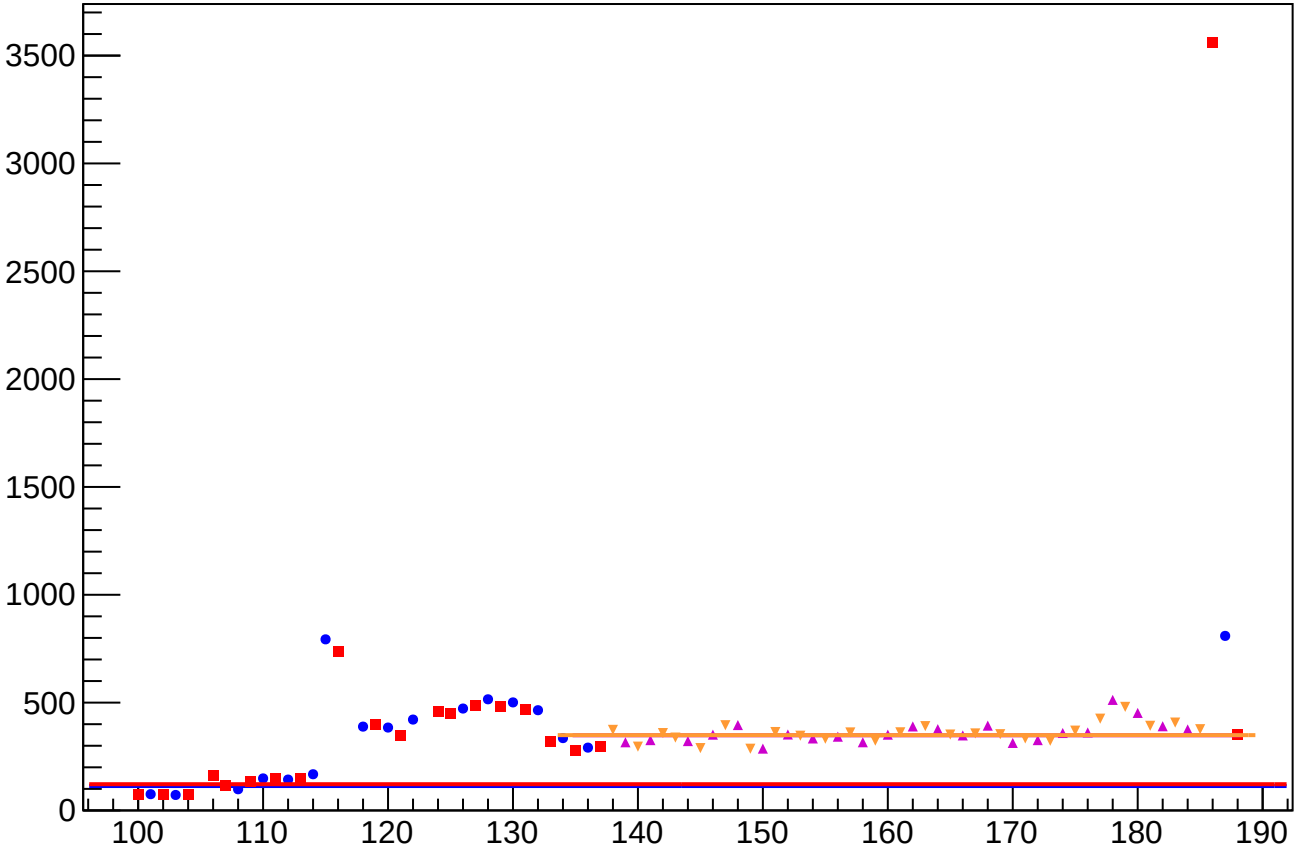
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -53.501+/-44.532 χ^2/NDF: 40.6/41

All: -16.162+/-31.427 χ^2/NDF: 98.3/85

- sign 20.889+/-44.359 χ^2/NDF: 56.3/43

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 113.216+/-0.038 χ^2/NDF: 5865724.8/16

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 121.737+/-0.037 χ^2/NDF: 6670097.0/20

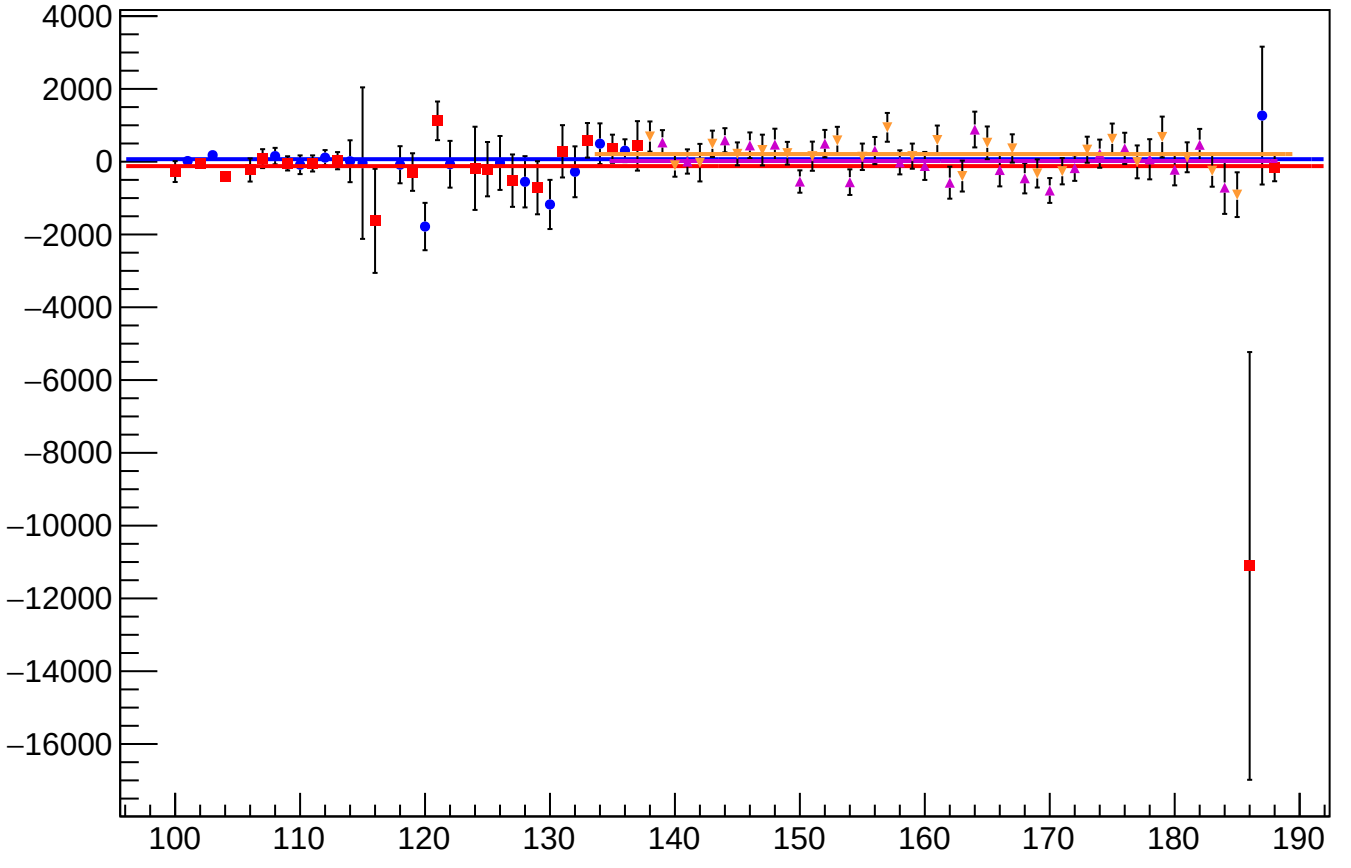
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 186.086+/-0.031 χ^2/NDF: 18375778.2/41

All: 186.897+/-0.022 χ^2/NDF: 36358004.7/85

- sign 187.702+/-0.031 χ^2/NDF: 17980904.1/43

asym_sam_15_avg_mean vs Slug



Right In: 68.790+/-59.140 χ^2/NDF: 16.2/16

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -121.630+/-57.265 χ^2/NDF: 24.6/20

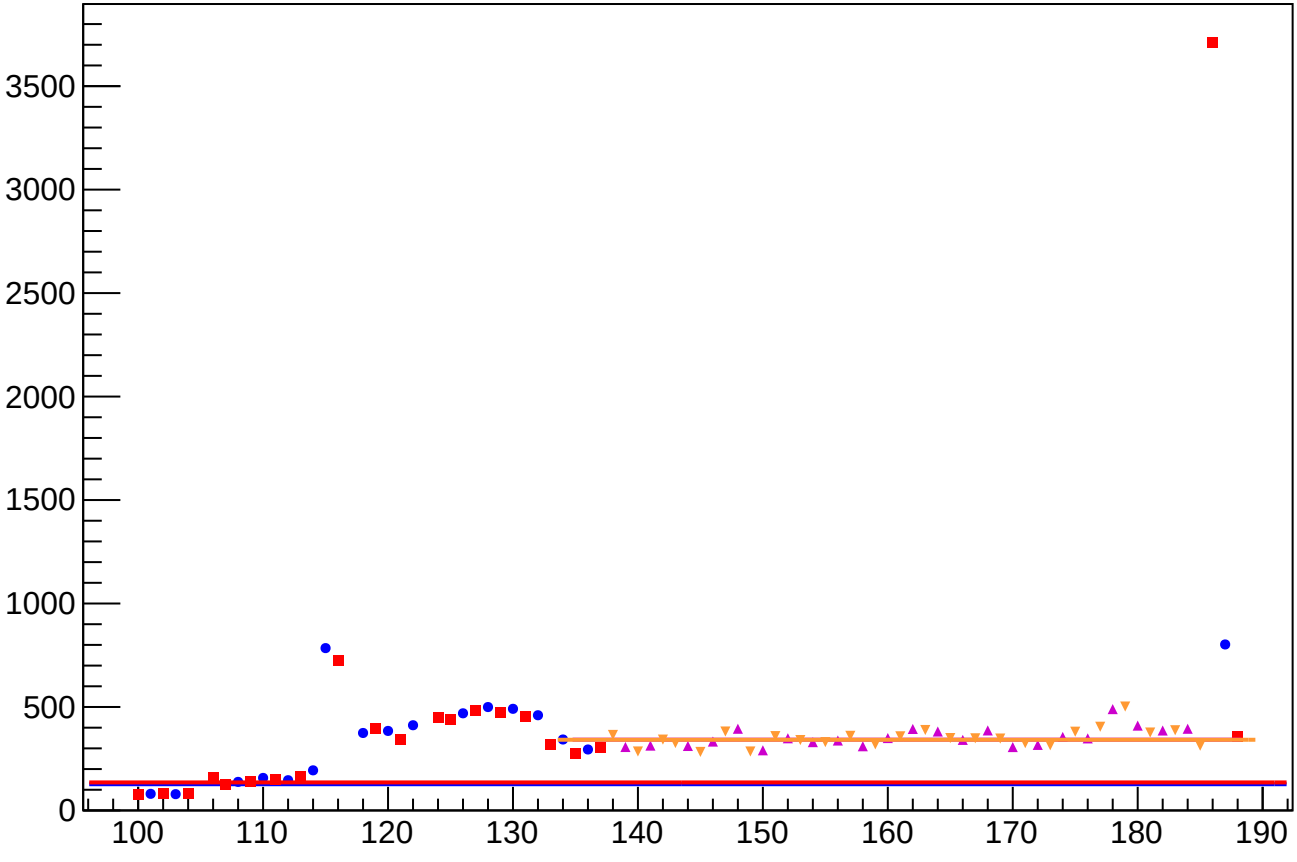
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 119.843+/-47.238 χ^2/NDF: 39.7/41

All: 21.501+/-33.211 χ^2/NDF: 106.9/85

- sign -74.620+/-46.701 χ^2/NDF: 58.7/43

asym_sam_15_avg_rms vs Slug



Right In: 126.813+/-0.042 χ^2/NDF: 5474654.6/16

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

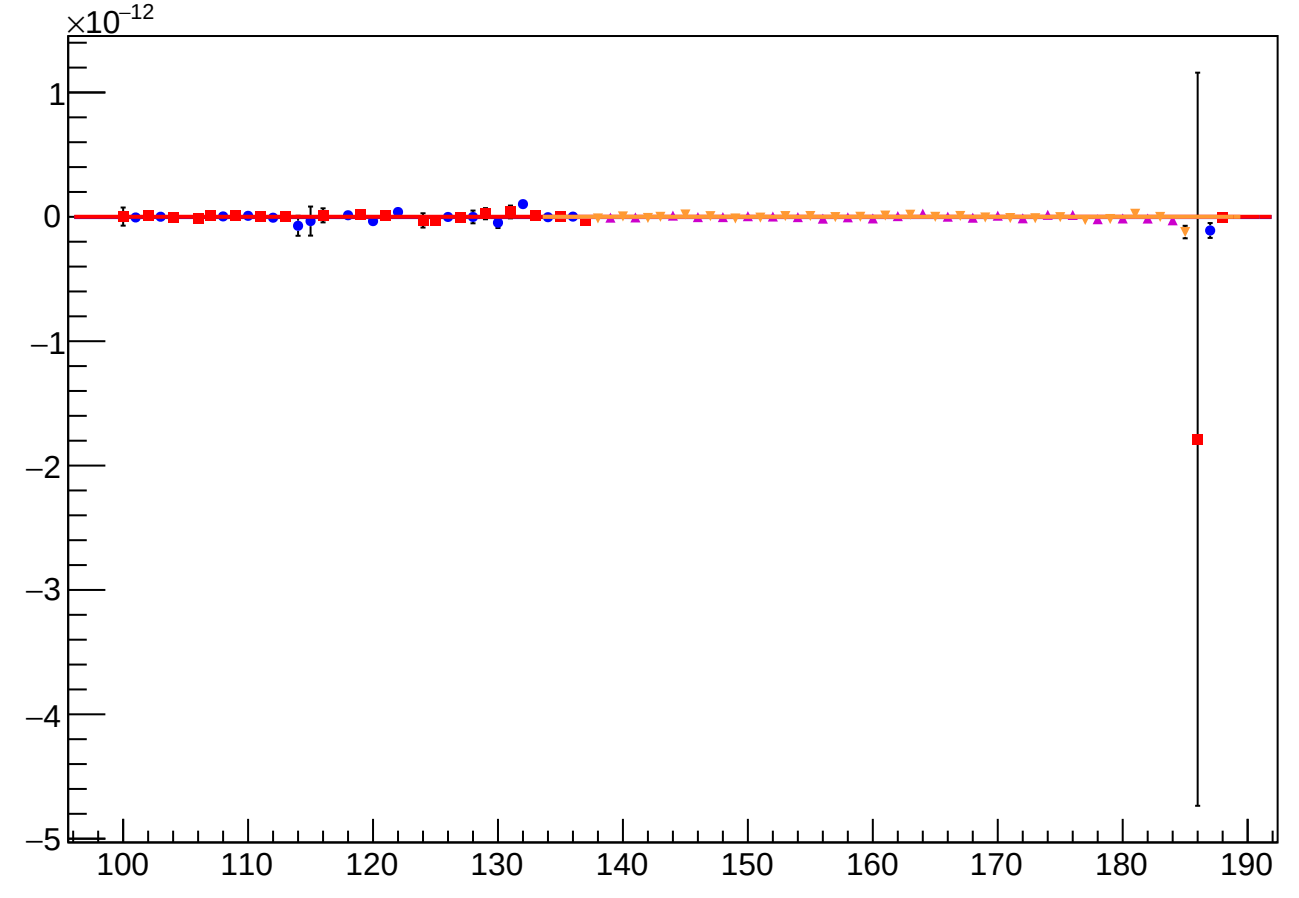
Right Out: 135.482+/-0.040 χ^2/NDF: 6092313.1/20

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 204.562+/-0.033 χ^2/NDF: 15577451.6/41

All: 204.595+/-0.023 χ^2/NDF: 30861901.6/85

- sign 204.627+/-0.033 χ^2/NDF: 15284448.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10.9/20

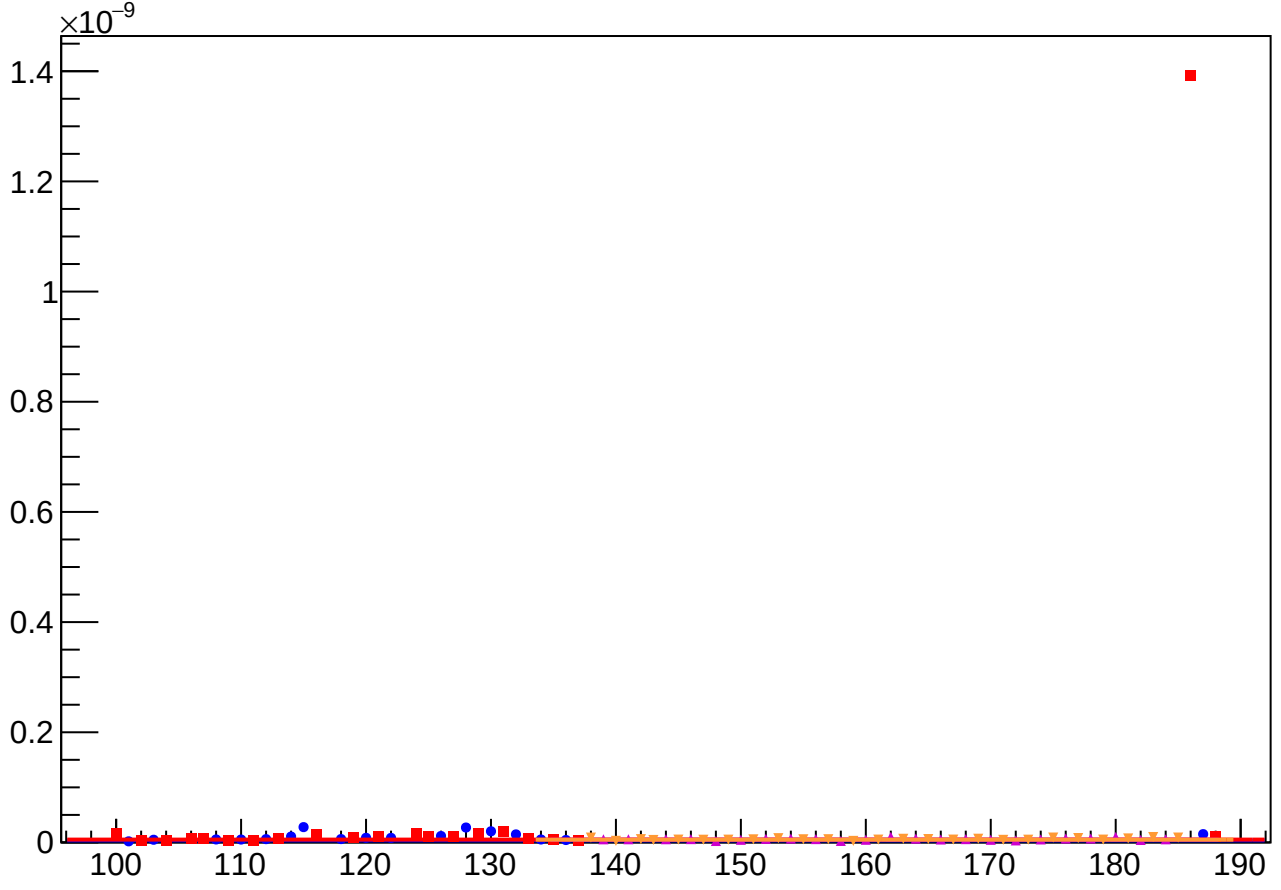
Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.0/41

All: -0.000+/-0.000 χ^2/NDF: 81.6/85

- sign -0.000+/-0.000 χ^2/NDF: 31.6/43

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2244916.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1957158.9/20

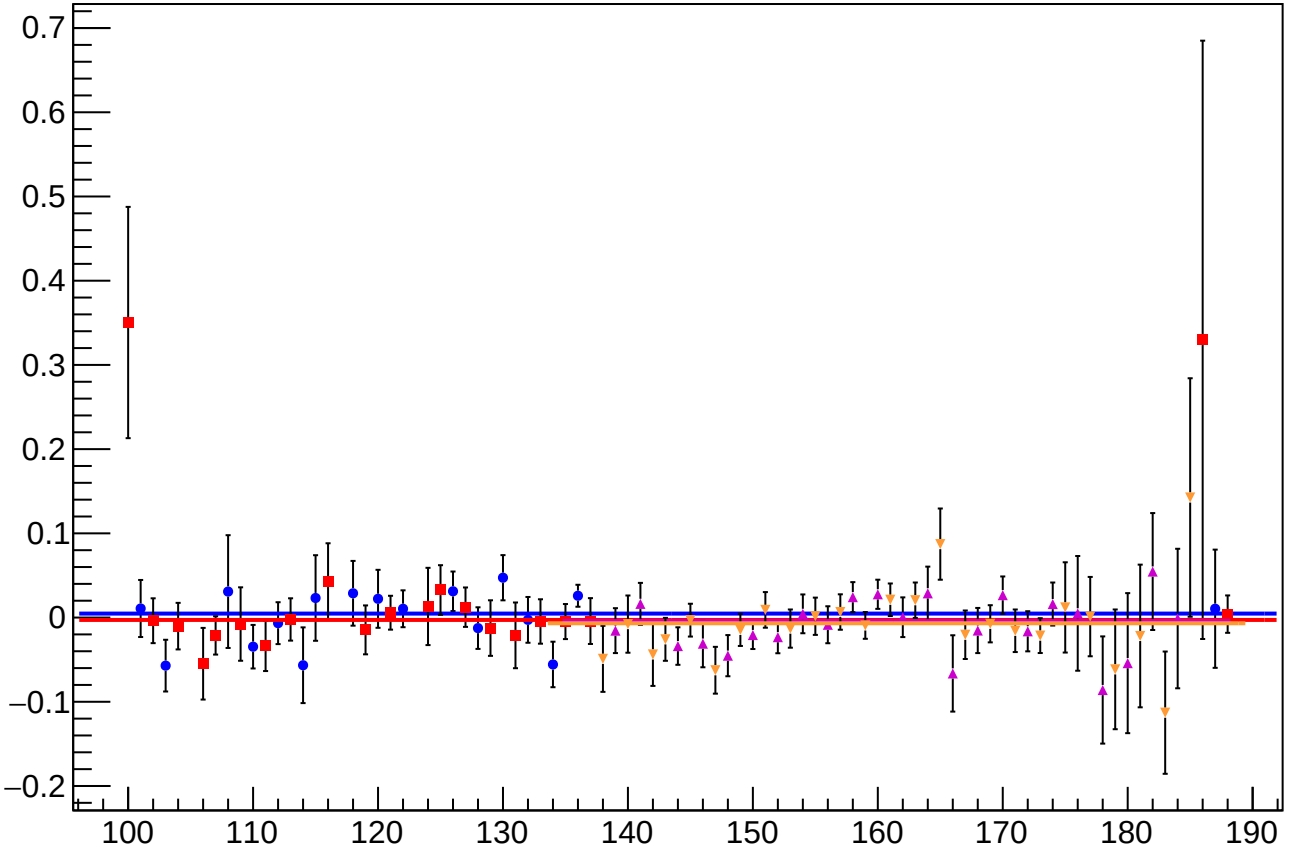
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3870258.0/41

All: 0.000+/-0.000 χ^2/NDF: 7154095.4/85

- sign 0.000+/-0.000 χ^2/NDF: 3187194.1/43

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 14.6/20

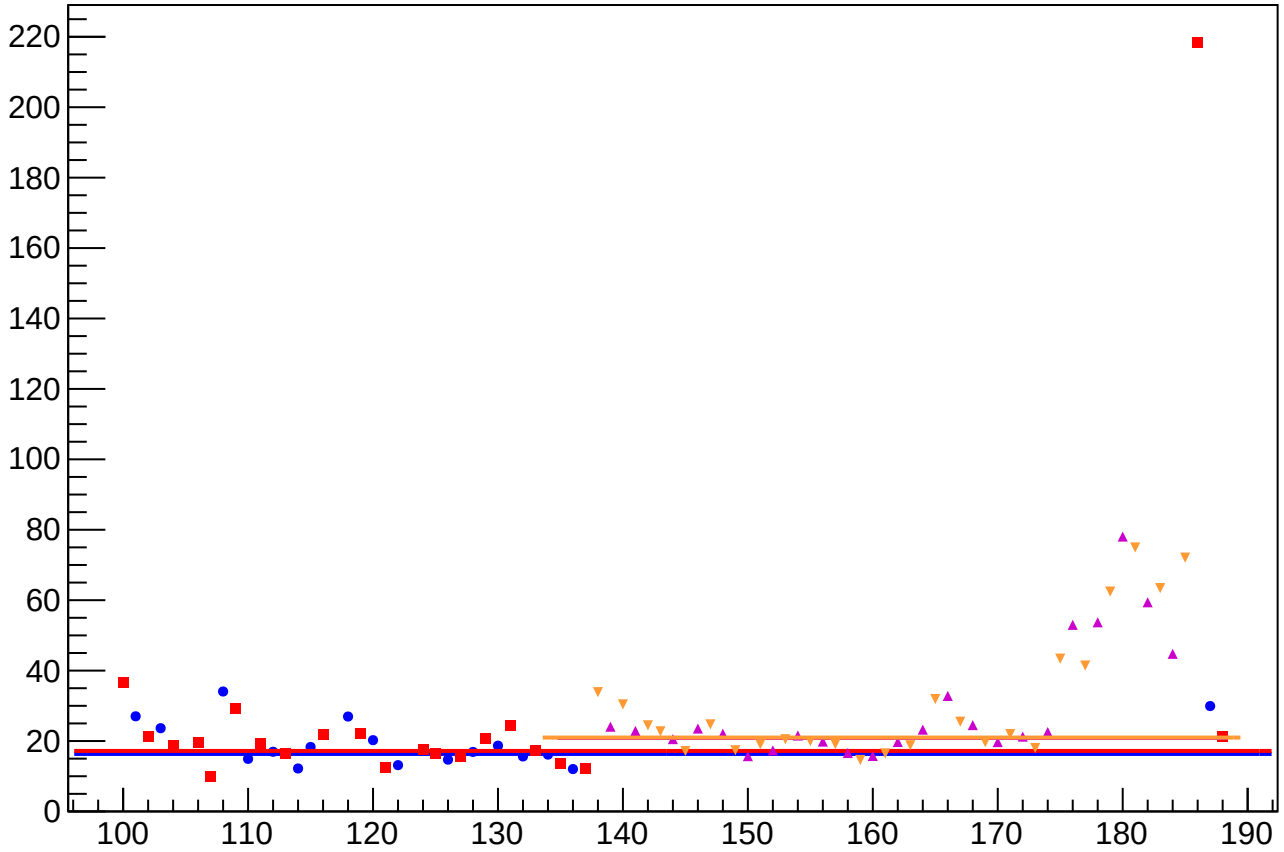
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/41

All: -0.003+/-0.003 χ^2/NDF: 83.0/85

- sign -0.004+/-0.004 χ^2/NDF: 37.8/43

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.335+/-0.005 χ^2/NDF: 1019561.3/16

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

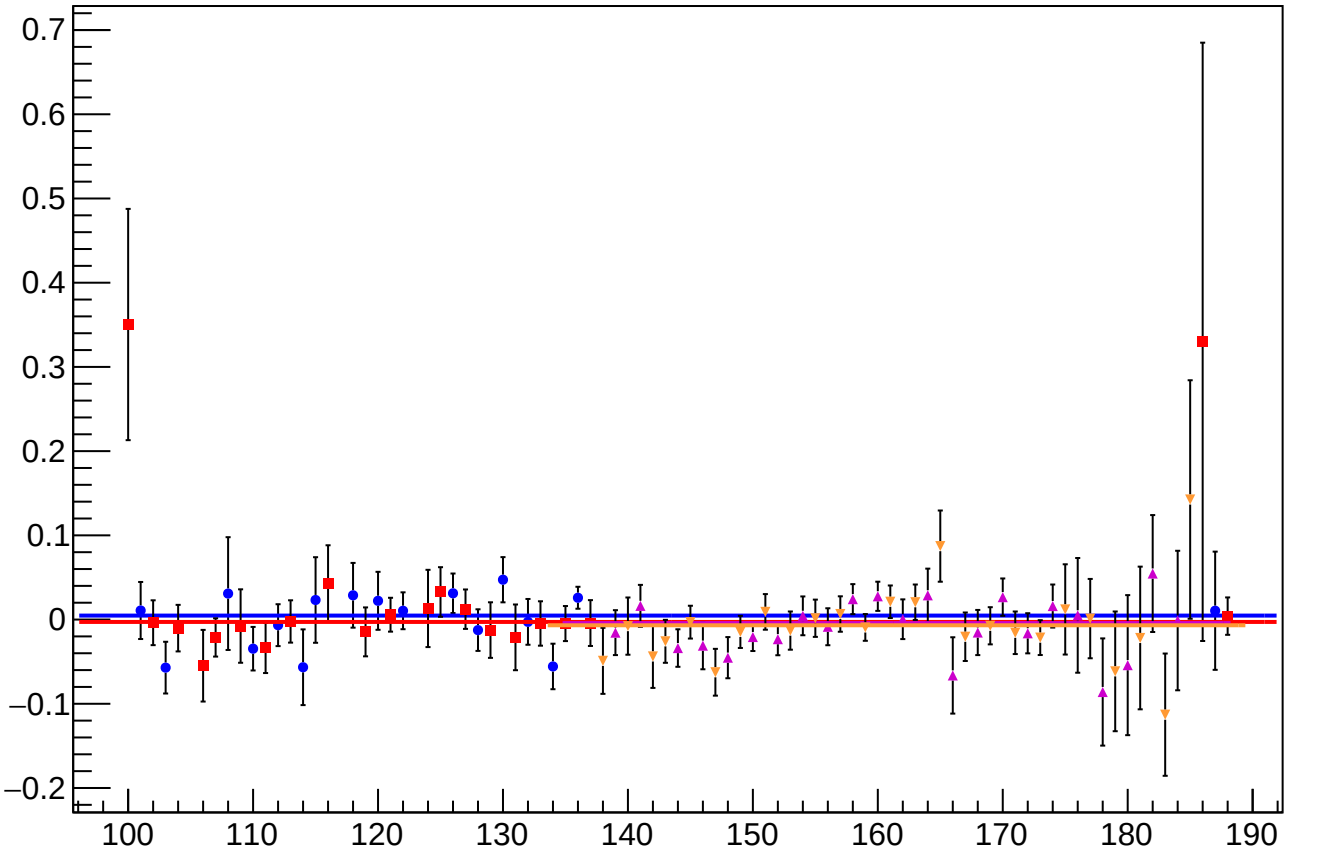
Right Out: 17.190+/-0.004 χ^2/NDF: 1580381.3/20

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.179+/-0.003 χ^2/NDF: 6104875.3/41

All: 19.270+/-0.002 χ^2/NDF: 11618122.5/85

- sign 19.361+/-0.003 χ^2/NDF: 5511254.1/43



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 14.6/20

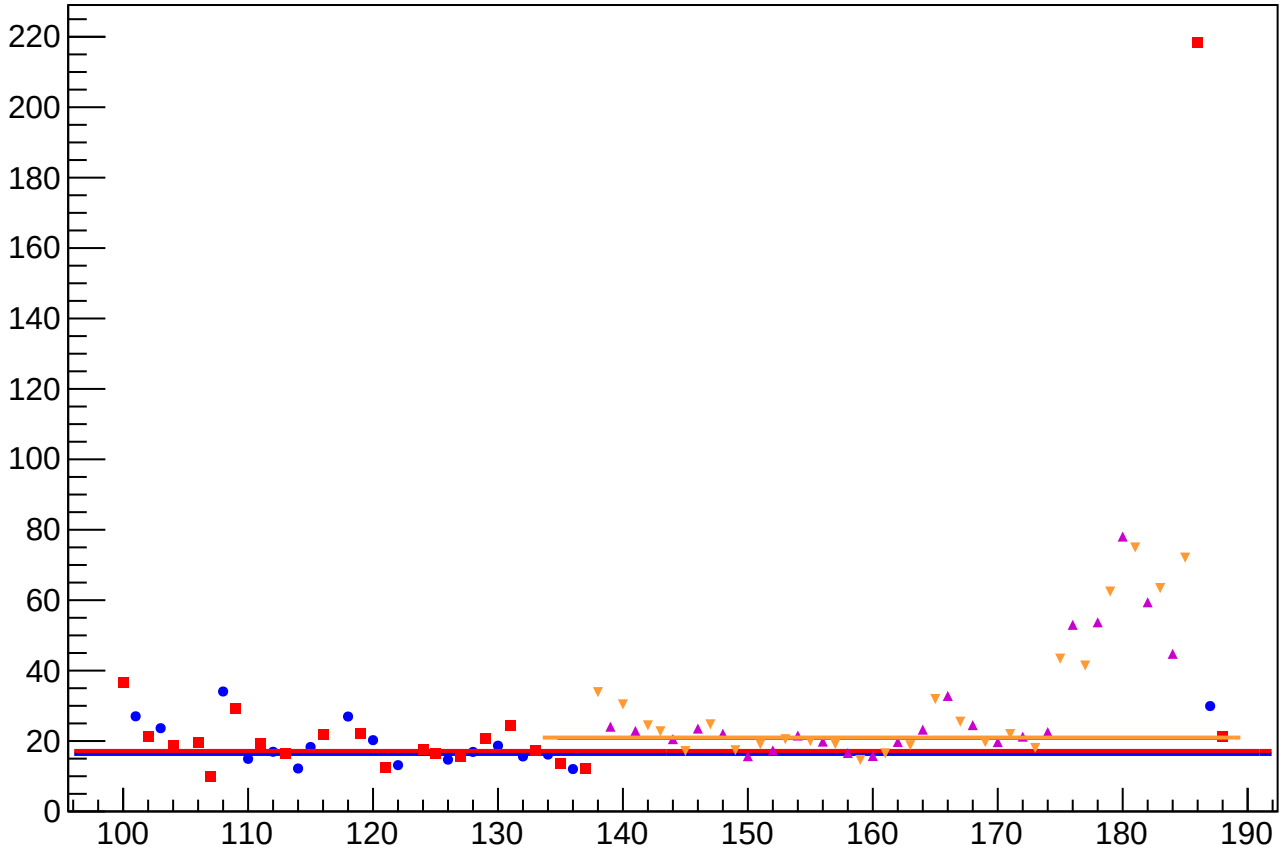
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/41

All: -0.003+/-0.003 χ^2/NDF: 83.0/85

- sign -0.004+/-0.004 χ^2/NDF: 37.8/43

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.335+/-0.005 χ^2/NDF: 1019561.3/16

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

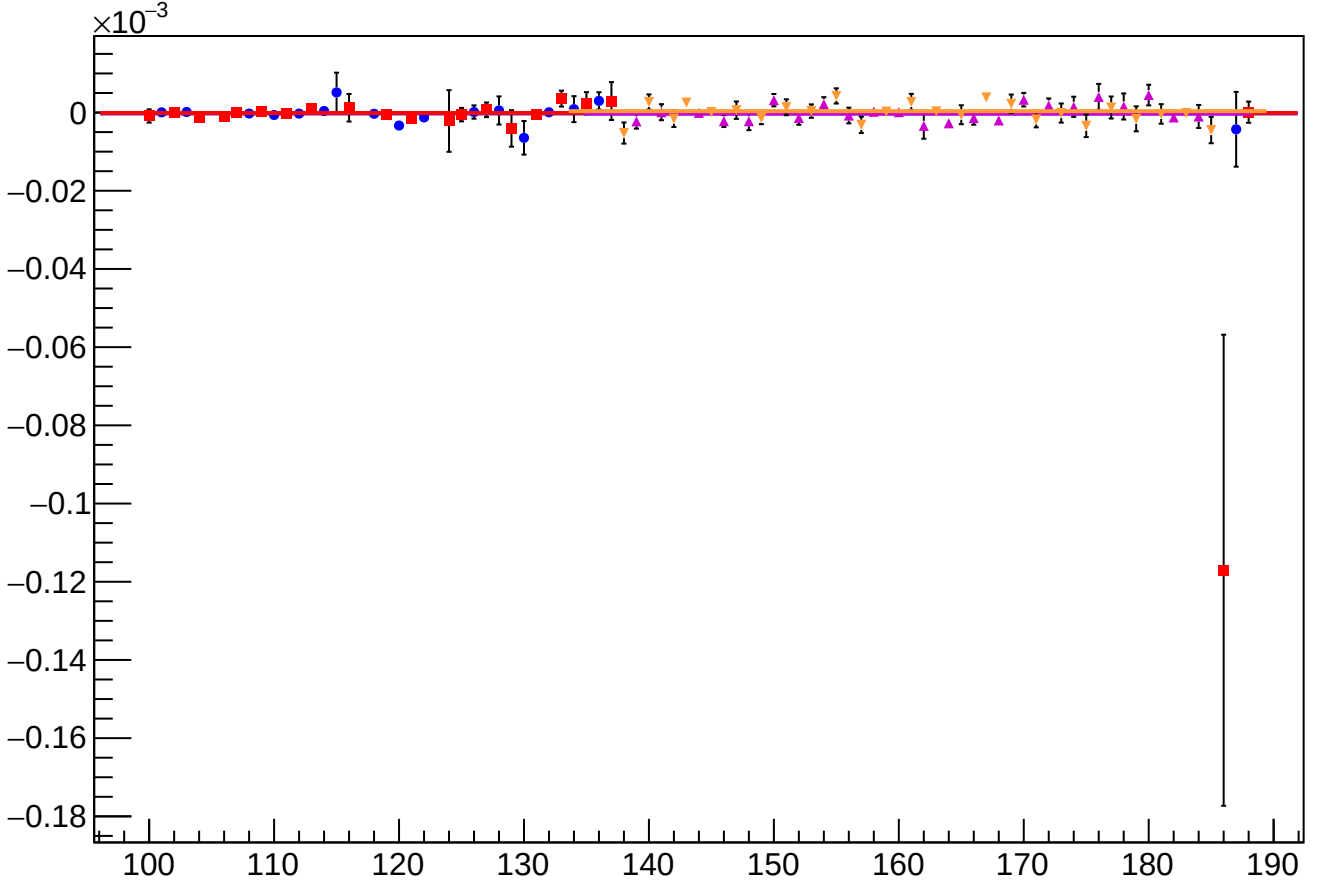
Right Out: 17.190+/-0.004 χ^2/NDF: 1580381.3/20

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.179+/-0.003 χ^2/NDF: 6104875.3/41

All: 19.270+/-0.002 χ^2/NDF: 11618122.5/85

- sign 19.361+/-0.003 χ^2/NDF: 5511254.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

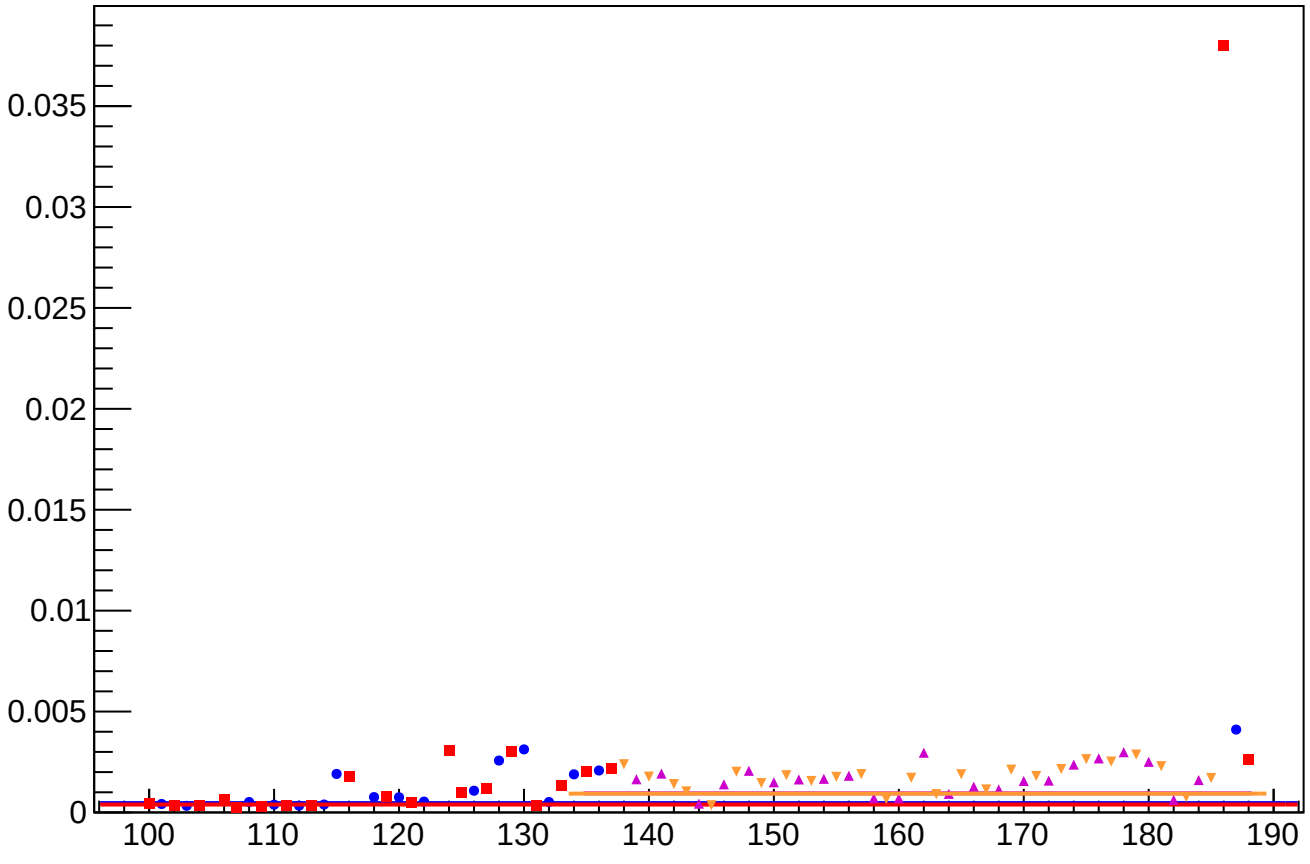
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/20

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/41

All: -0.000+/-0.000 χ^2/NDF: 108.3/85

- sign -0.000+/-0.000 χ^2/NDF: 55.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 4306150.9/16

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

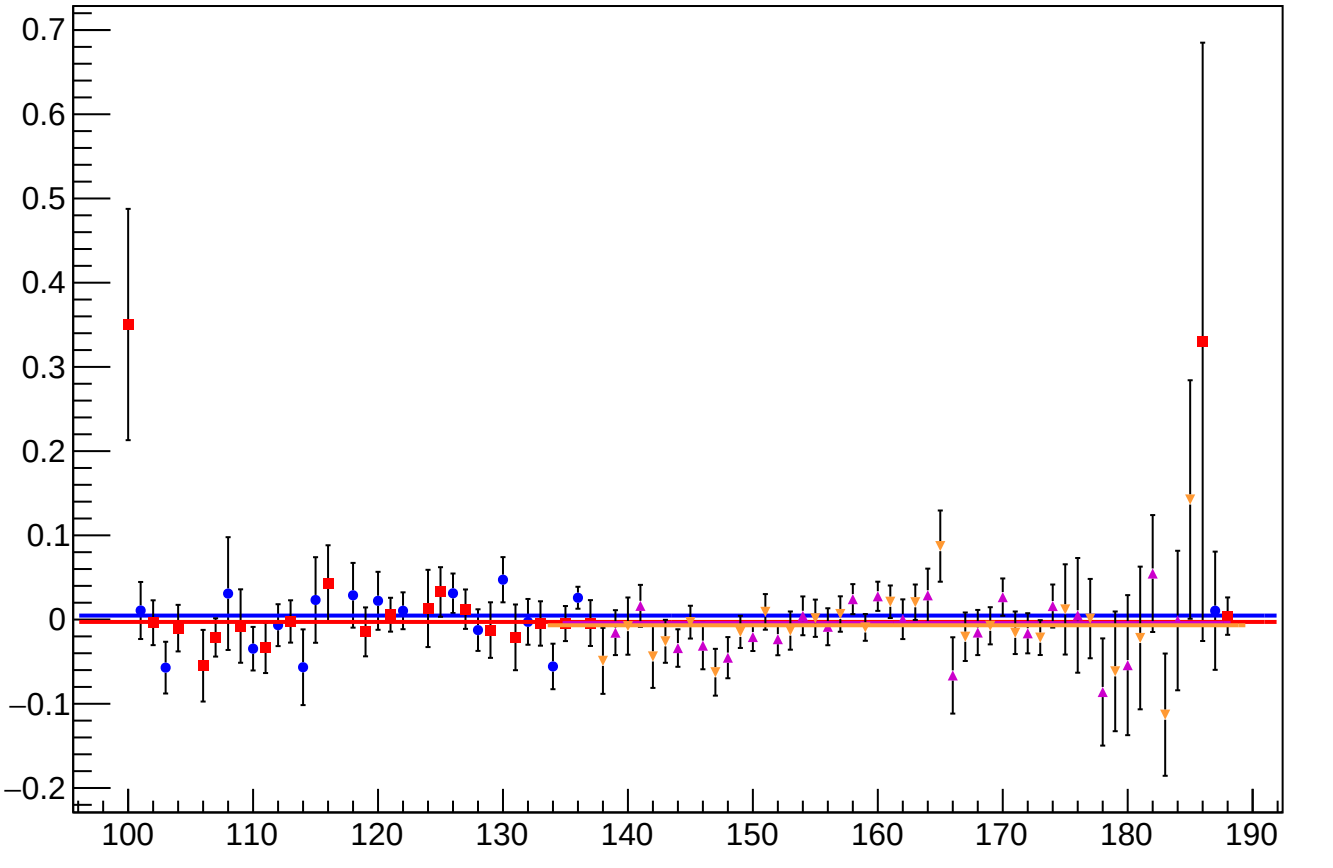
Right Out: 0.000+/-0.000 χ^2/NDF: 6166528.9/20

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 20247882.3/41

All: 0.001+/-0.000 χ^2/NDF: 42426249.5/85

- sign 0.001+/-0.000 χ^2/NDF: 21864831.5/43



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

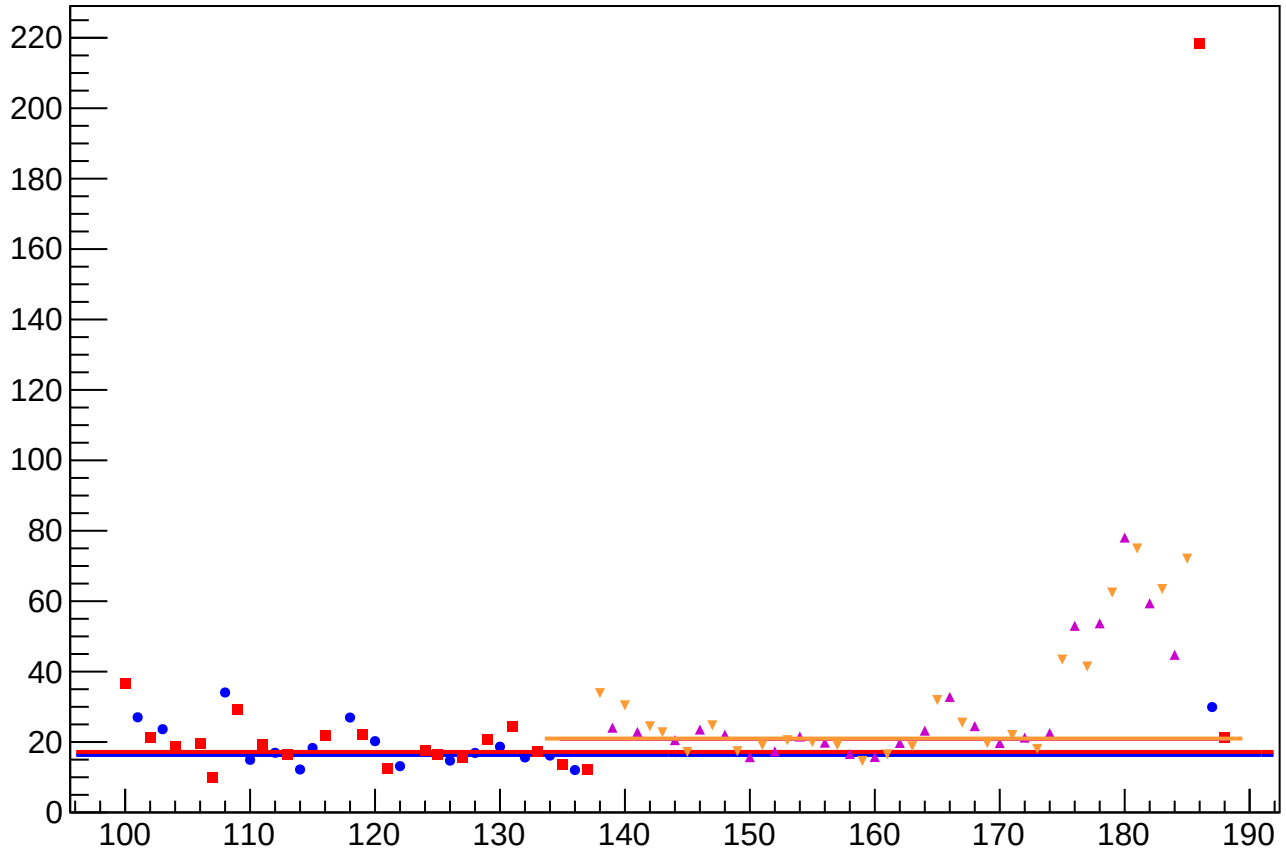
Right Out: -0.003+/-0.006 χ^2/NDF: 14.6/20

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/41

All: -0.003+/-0.003 χ^2/NDF: 83.0/85

- sign -0.004+/-0.004 χ^2/NDF: 37.8/43



Right In: 16.335+/-0.005 χ^2/NDF: 1019534.0/16

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

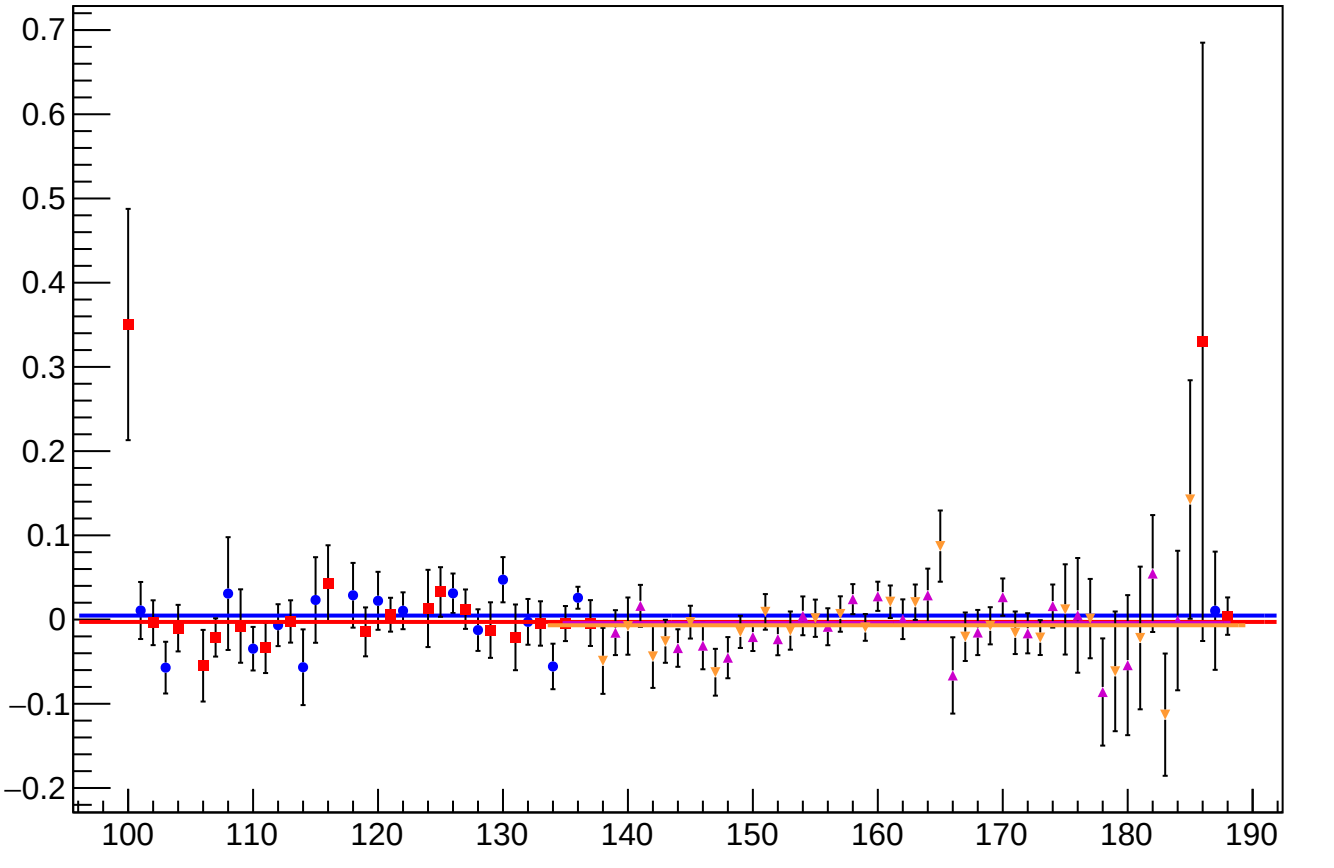
Right Out: 17.190+/-0.004 χ^2/NDF: 1580379.6/20

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.179+/-0.003 χ^2/NDF: 6104912.0/41

All: 19.270+/-0.002 χ^2/NDF: 11618267.7/85

- sign 19.361+/-0.003 χ^2/NDF: 5511363.7/43



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

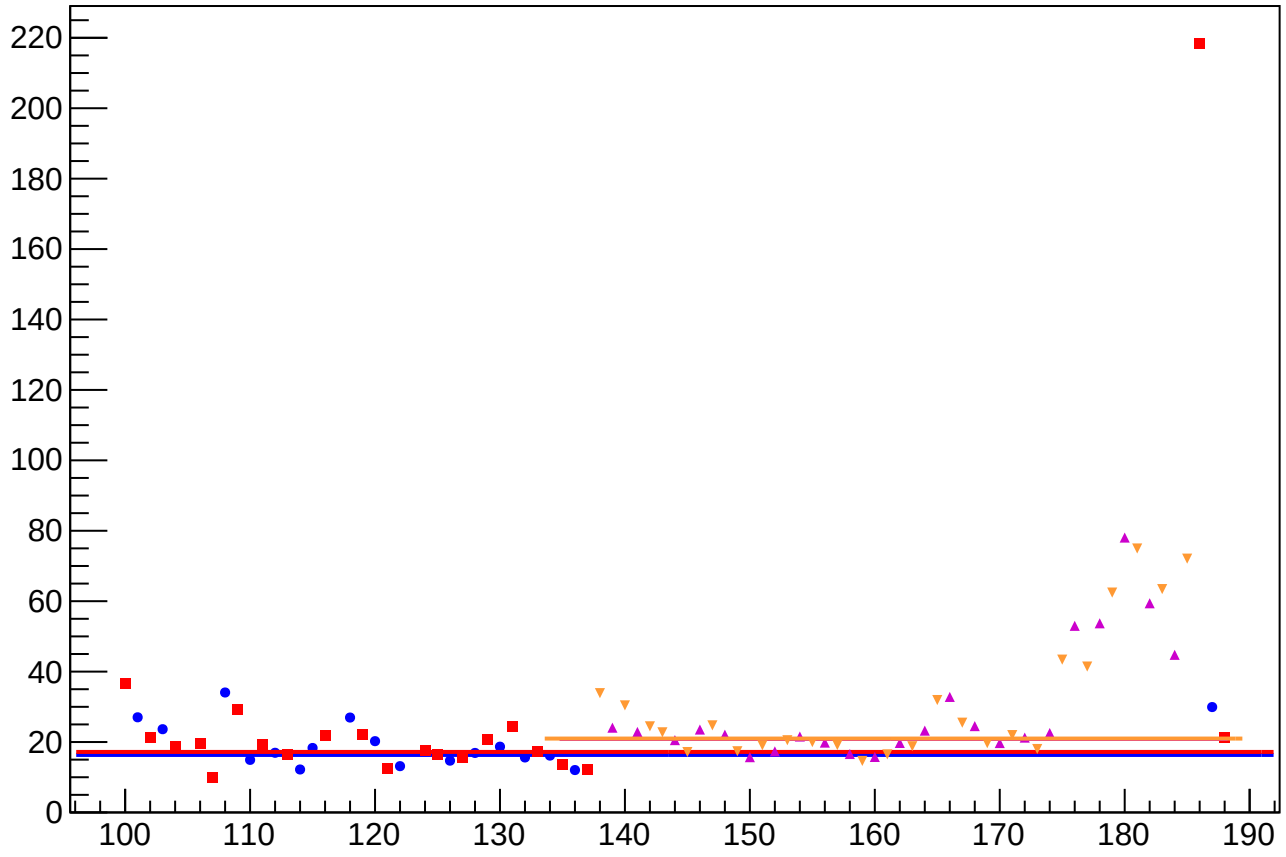
Right Out: -0.003+/-0.006 χ^2/NDF: 14.6/20

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/41

All: -0.003+/-0.003 χ^2/NDF: 83.0/85

- sign -0.004+/-0.004 χ^2/NDF: 37.8/43



Right In: 16.335+/-0.005 χ^2/NDF: 1019534.0/16

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

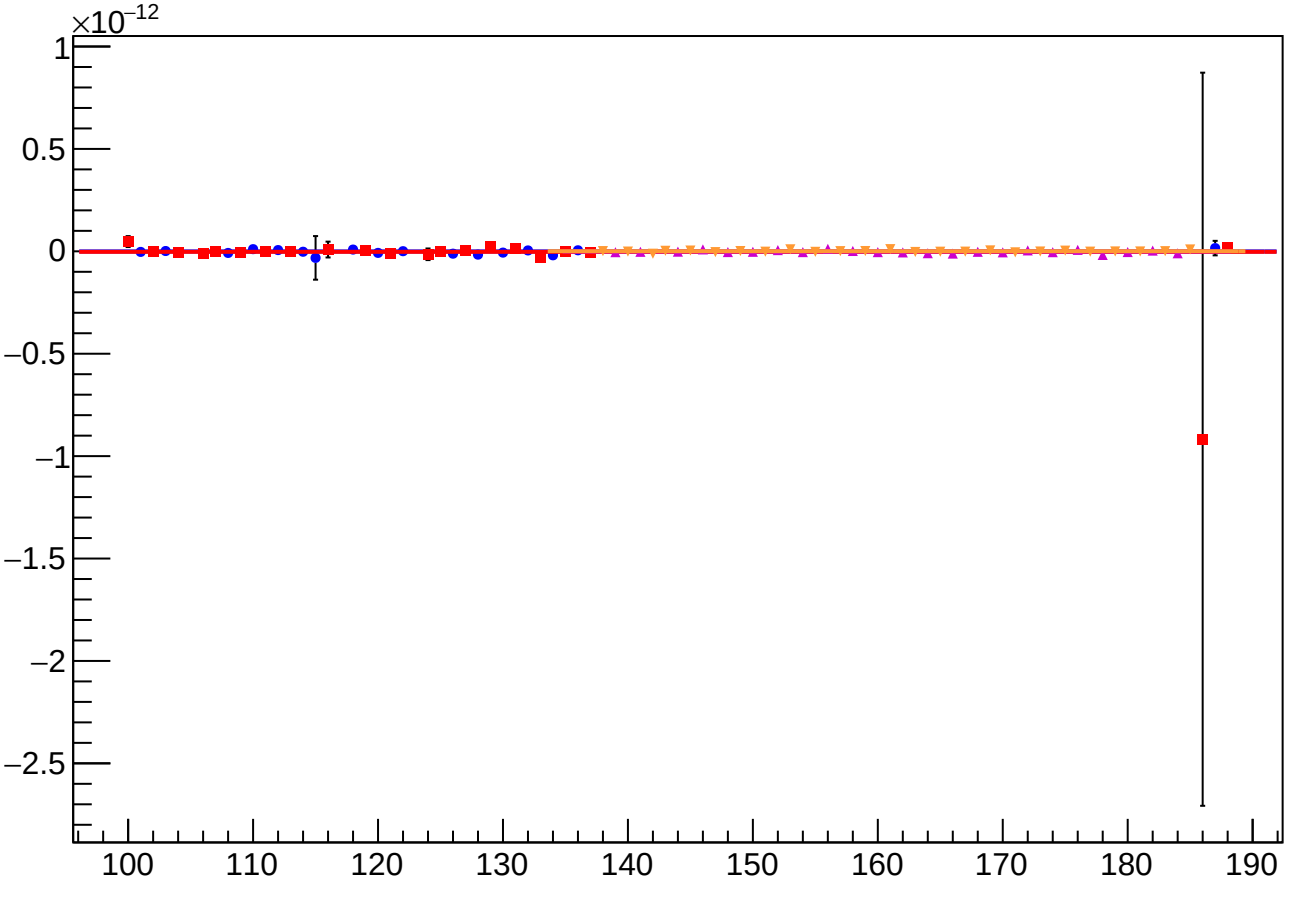
Right Out: 17.190+/-0.004 χ^2/NDF: 1580379.6/20

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.179+/-0.003 χ^2/NDF: 6104912.0/41

All: 19.270+/-0.002 χ^2/NDF: 11618267.7/85

- sign 19.361+/-0.003 χ^2/NDF: 5511363.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

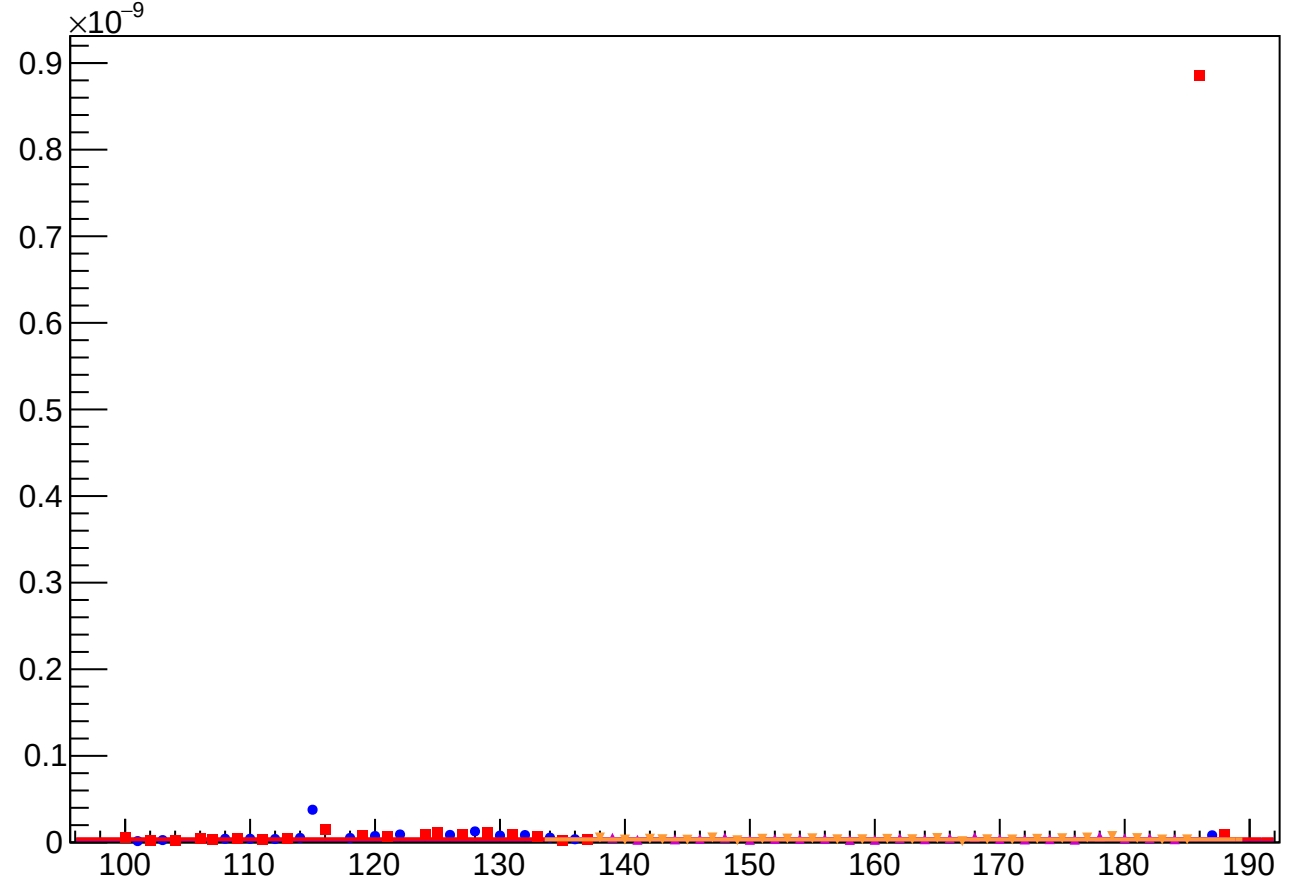
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/20

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/41

All: -0.000+/-0.000 χ^2/NDF: 73.1/85

- sign -0.000+/-0.000 χ^2/NDF: 44.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 2980105.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3473189.9/20

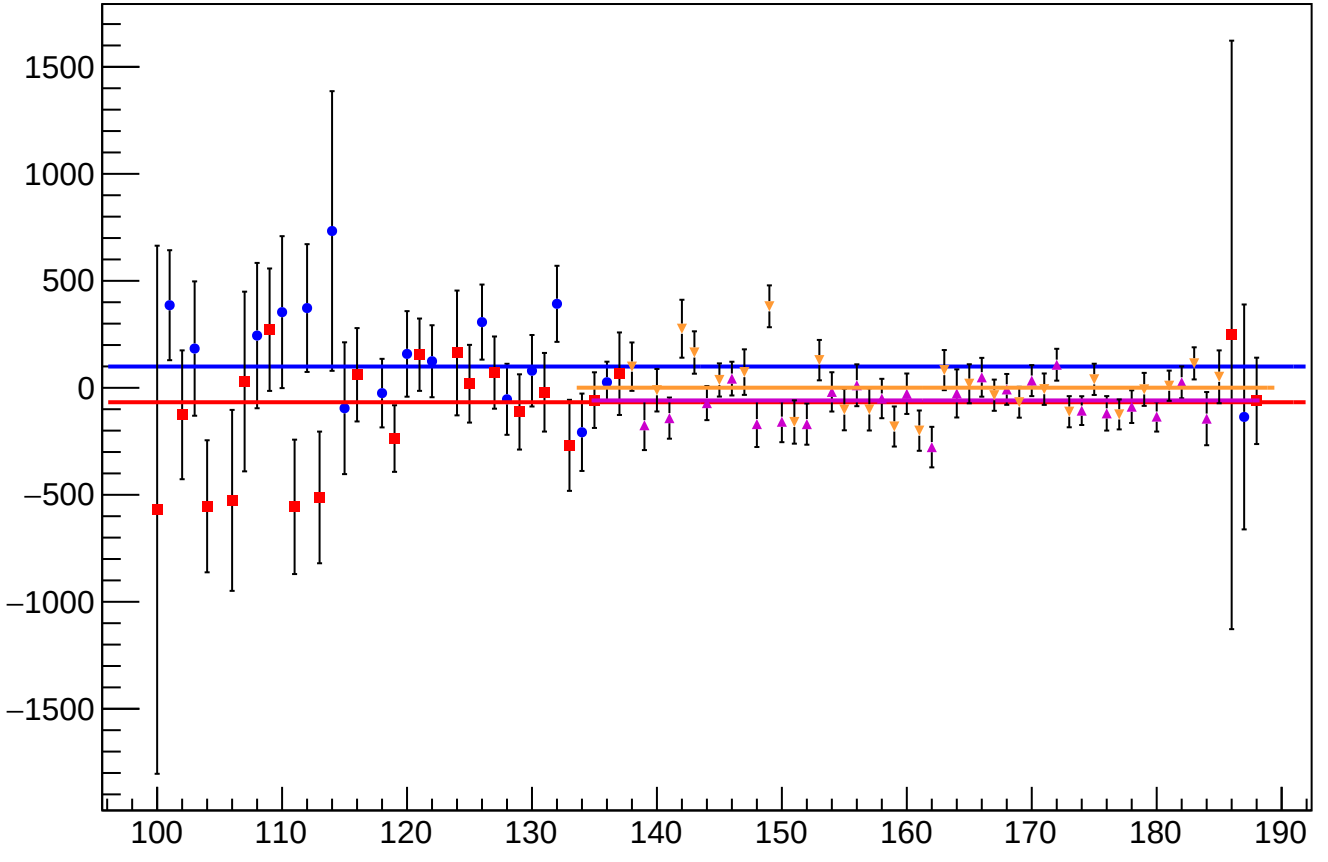
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5631169.3/41

All: 0.000+/-0.000 χ^2/NDF: 10558901.8/85

- sign 0.000+/-0.000 χ^2/NDF: 4703408.2/43

reg_asym_sam_26_avg_mean vs Slug



Right In: 99.525+/-47.436 χ^2/NDF: 13.6/16

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -67.321+/-47.888 χ^2/NDF: 16.2/20

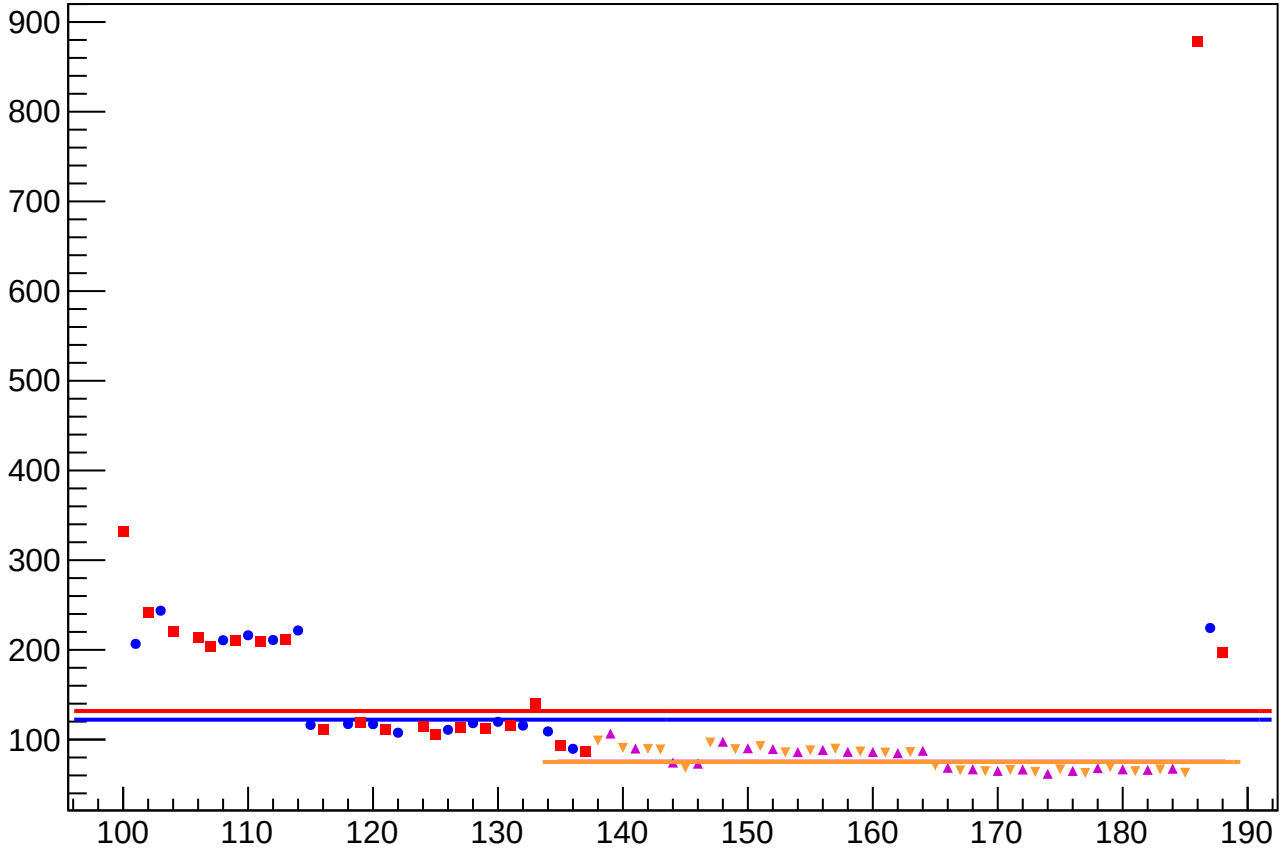
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.234+/-16.269 χ^2/NDF: 66.0/41

All: -22.800+/-11.670 χ^2/NDF: 117.6/85

- sign -59.936+/-16.750 χ^2/NDF: 42.0/43

reg_asym_sam_26_avg_rms vs Slug



Right In: 122.165+/-0.034 χ^2/NDF: 1362937.3/16

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

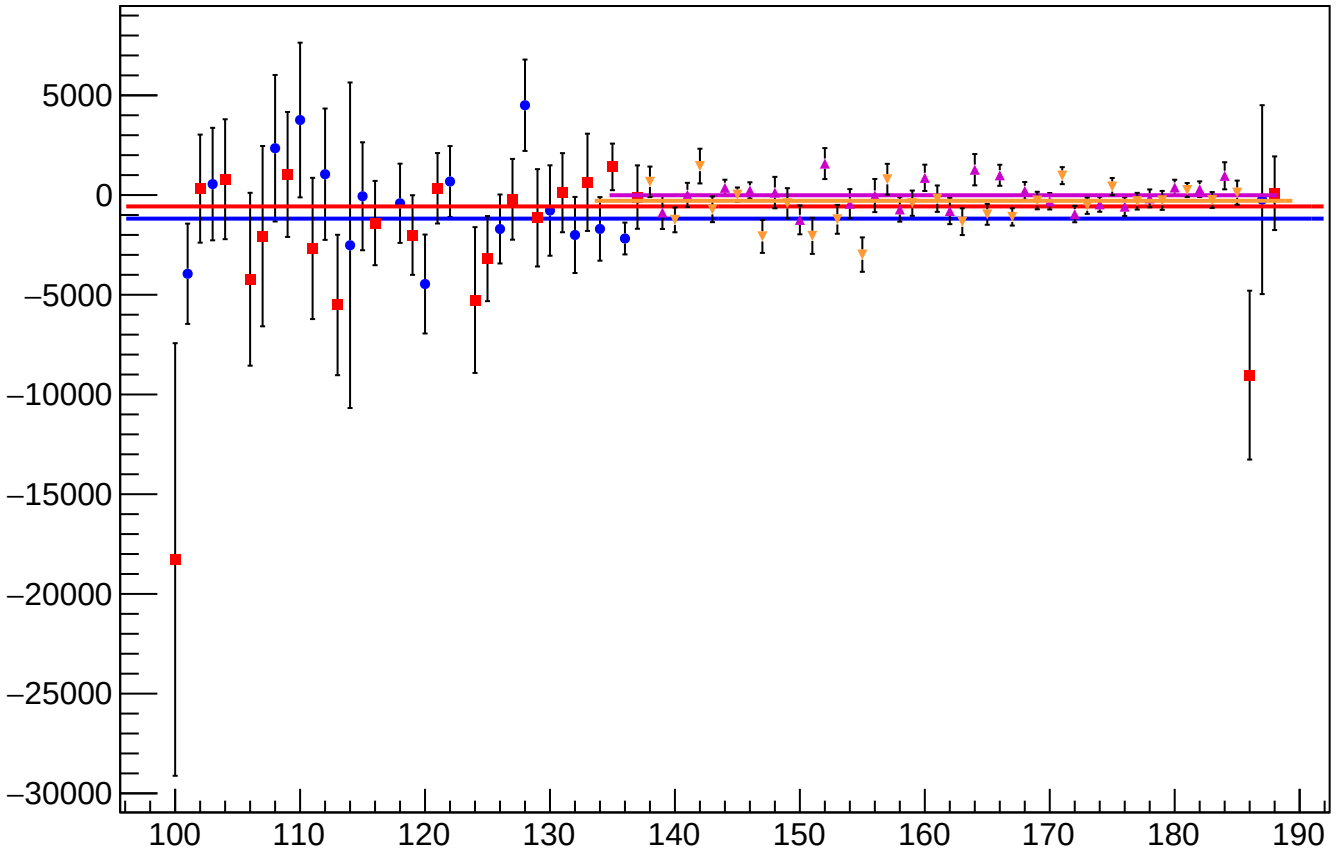
Right Out: 131.781+/-0.034 χ^2/NDF: 2286839.1/20

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.584+/-0.012 χ^2/NDF: 4032620.5/41

All: 81.395+/-0.008 χ^2/NDF: 9604632.0/85

- sign 82.255+/-0.012 χ^2/NDF: 5561765.3/43



Right In: -1182.440+/-476.478 χ^2/NDF: 16.0/16

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -570.260+/-498.607 χ^2/NDF: 18.0/20

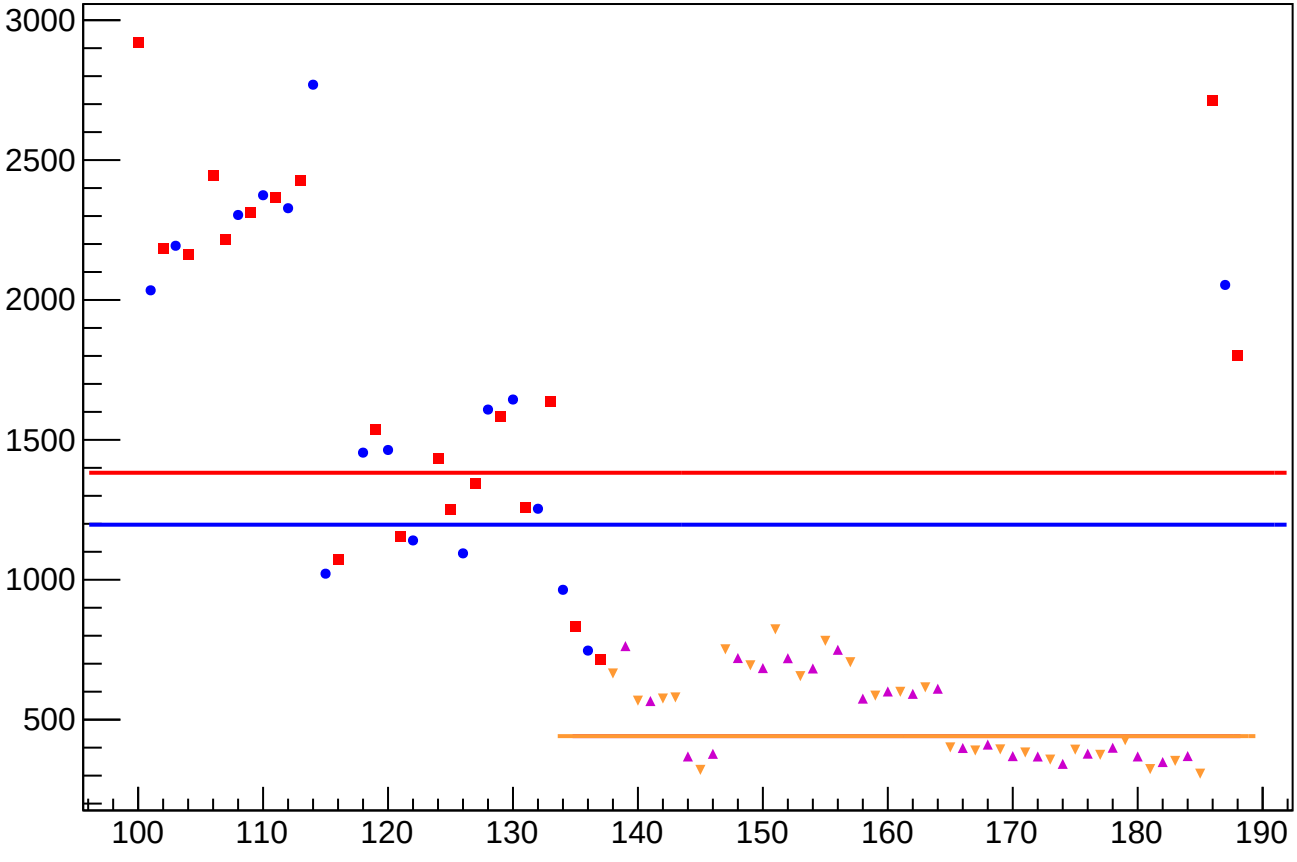
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -329.673+/-102.755 χ^2/NDF: 72.6/41

All: -186.143+/-73.523 χ^2/NDF: 129.2/85

- sign -35.576+/-105.244 χ^2/NDF: 52.6/43

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1196.832+/-0.337 χ^2/NDF: 2110784.0/16

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1382.454+/-0.353 χ^2/NDF: 2279022.3/20

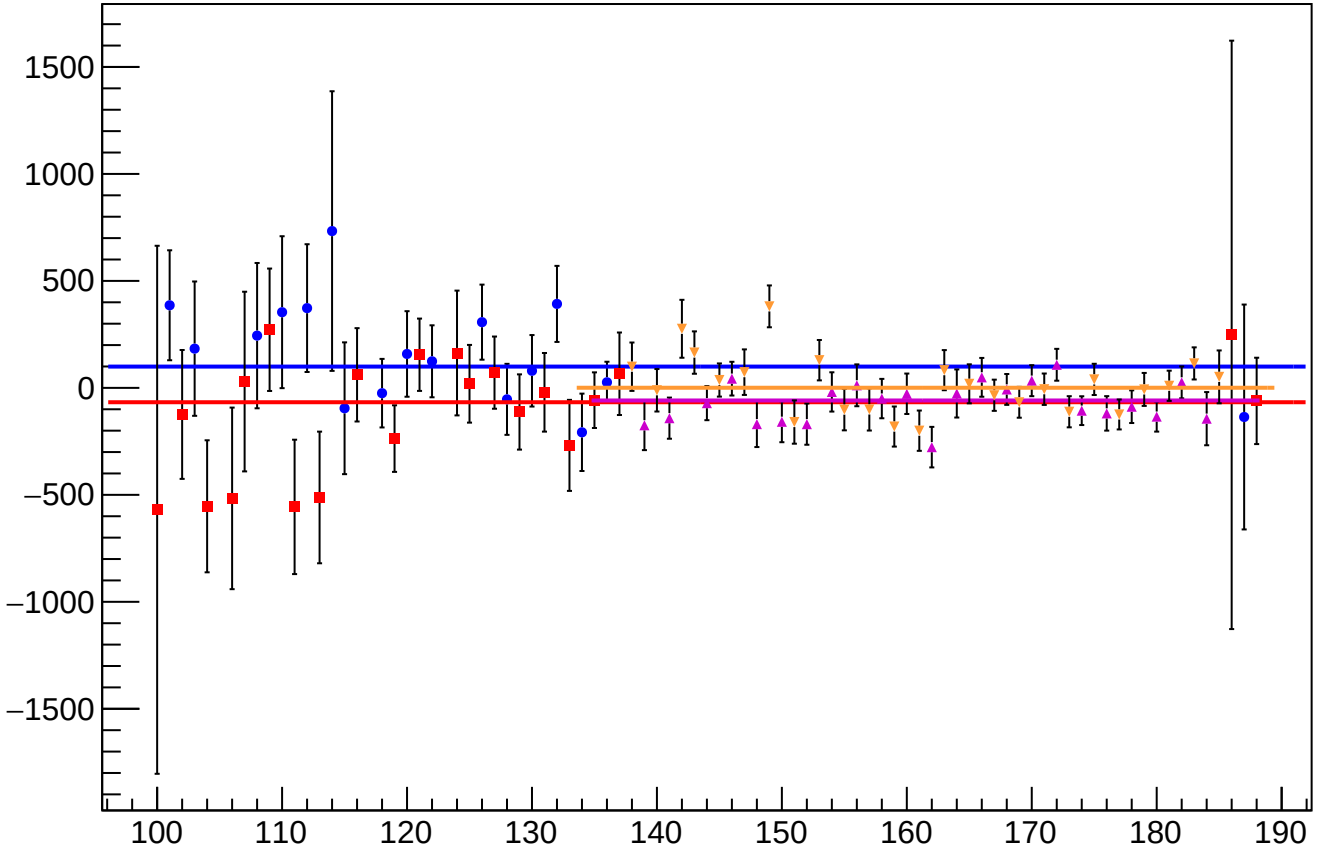
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 476.274+/-0.073 χ^2/NDF: 10142354.3/41

All: 479.621+/-0.052 χ^2/NDF: 21917645.6/85

- sign 483.132+/-0.074 χ^2/NDF: 11770944.1/43

cor_asym_sam_26_avg_mean vs Slug



Right In: 99.511+/-47.436 χ^2/NDF: 13.6/16

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -67.106+/-47.891 χ^2/NDF: 16.1/20

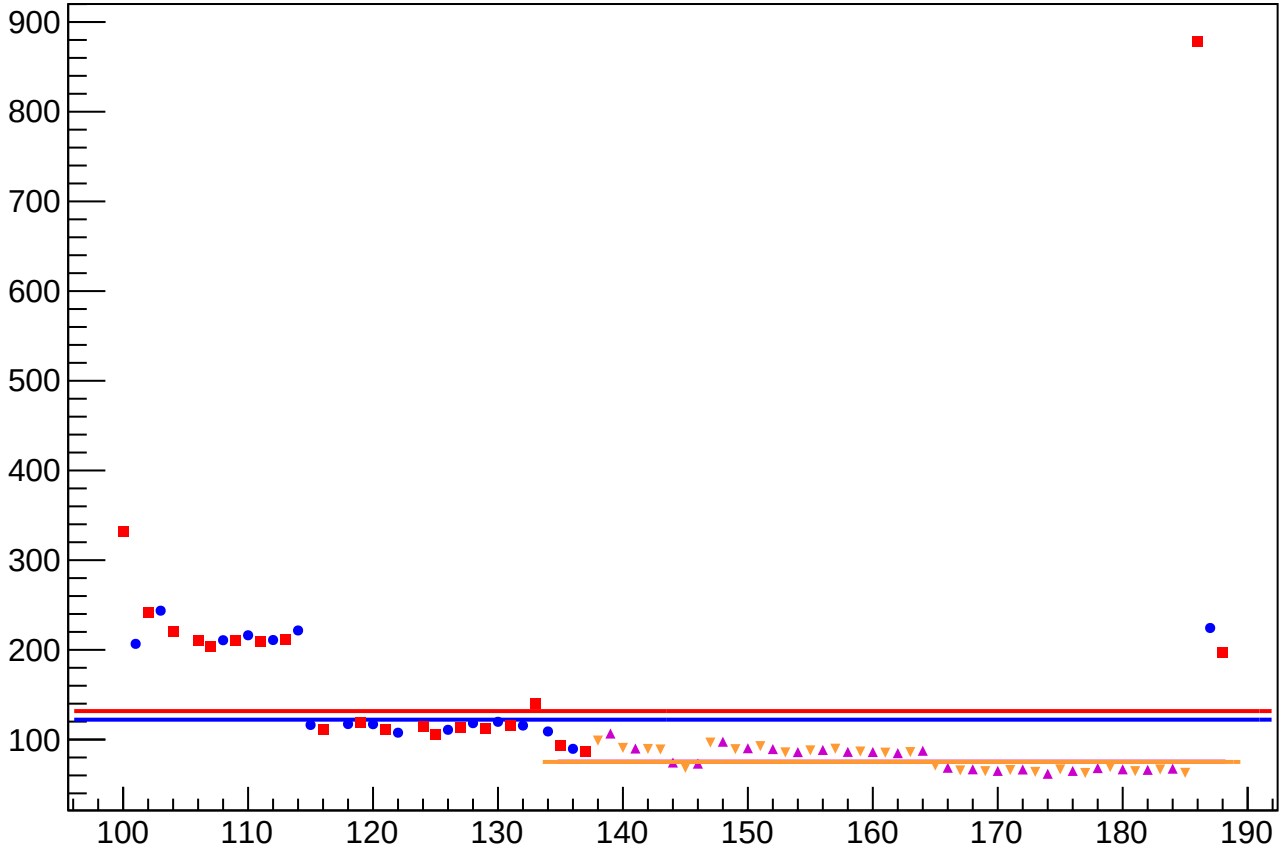
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.232+/-16.269 χ^2/NDF: 66.0/41

All: -22.787+/-11.670 χ^2/NDF: 117.5/85

- sign -59.907+/-16.750 χ^2/NDF: 42.0/43

cor_asym_sam_26_avg_rms vs Slug



Right In: 122.165+/-0.034 χ^2/NDF: 1362939.8/16

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

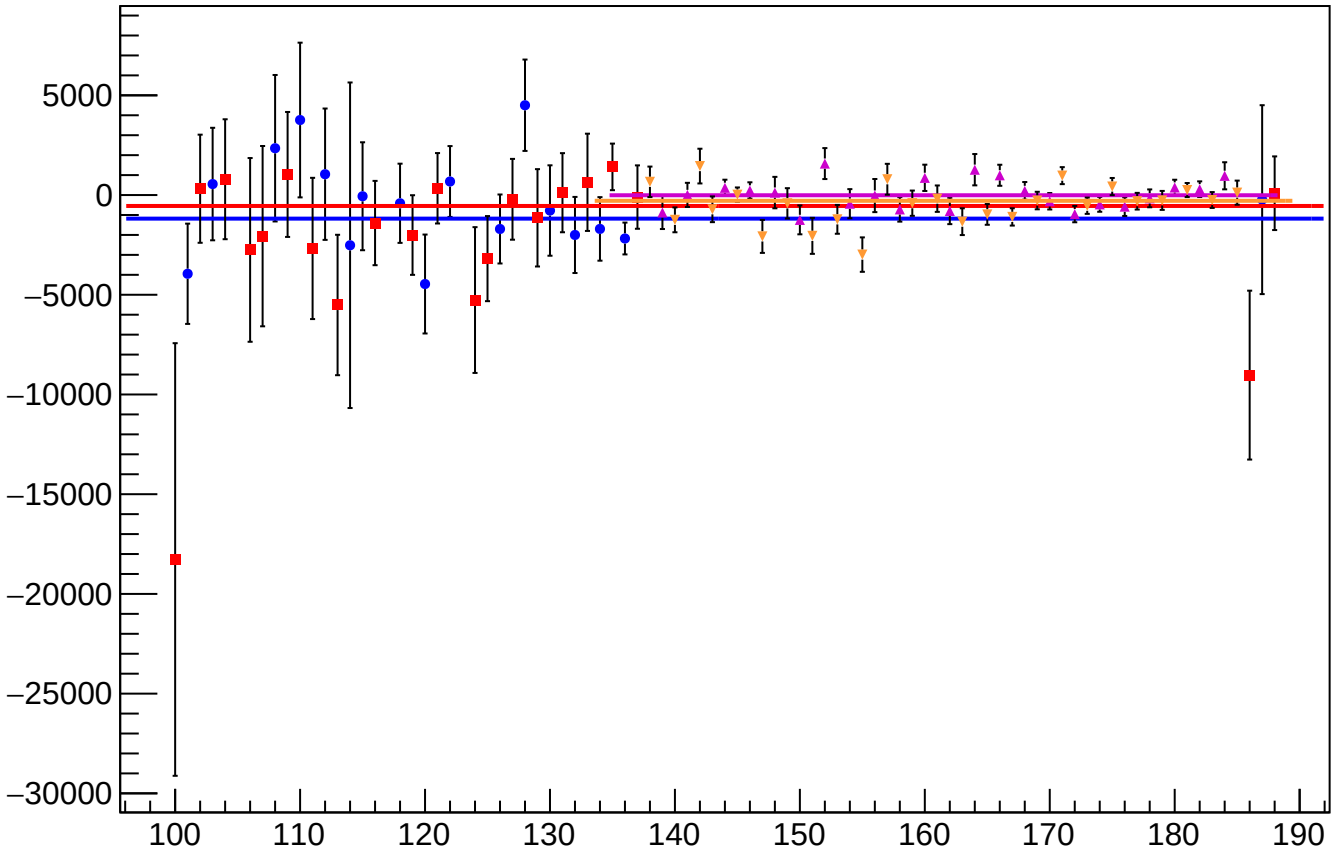
Right Out: 131.734+/-0.034 χ^2/NDF: 2281120.9/20

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.584+/-0.012 χ^2/NDF: 4032622.4/41

All: 81.392+/-0.008 χ^2/NDF: 9594564.5/85

- sign 82.249+/-0.012 χ^2/NDF: 5551774.4/43



Right In: -1182.417+/-476.479 χ^2/NDF: 16.0/16

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -547.644+/-498.998 χ^2/NDF: 17.5/20

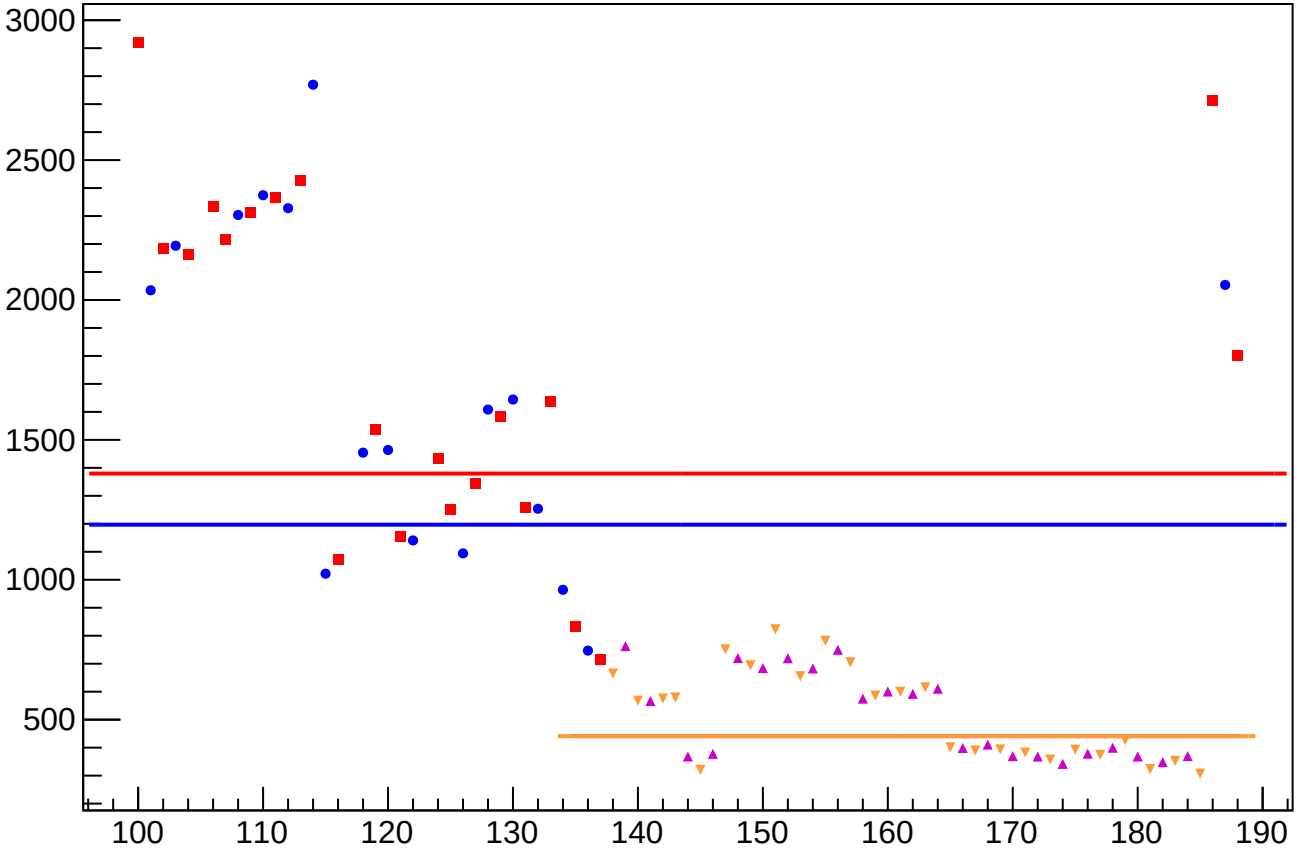
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.672+/-102.755 χ^2/NDF: 72.6/41

All: -185.638+/-73.524 χ^2/NDF: 128.7/85

- sign -34.533+/-105.247 χ^2/NDF: 52.0/43

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1196.832+/-0.337 χ^2/NDF: 2110814.5/16

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1379.569+/-0.353 χ^2/NDF: 2244782.5/20

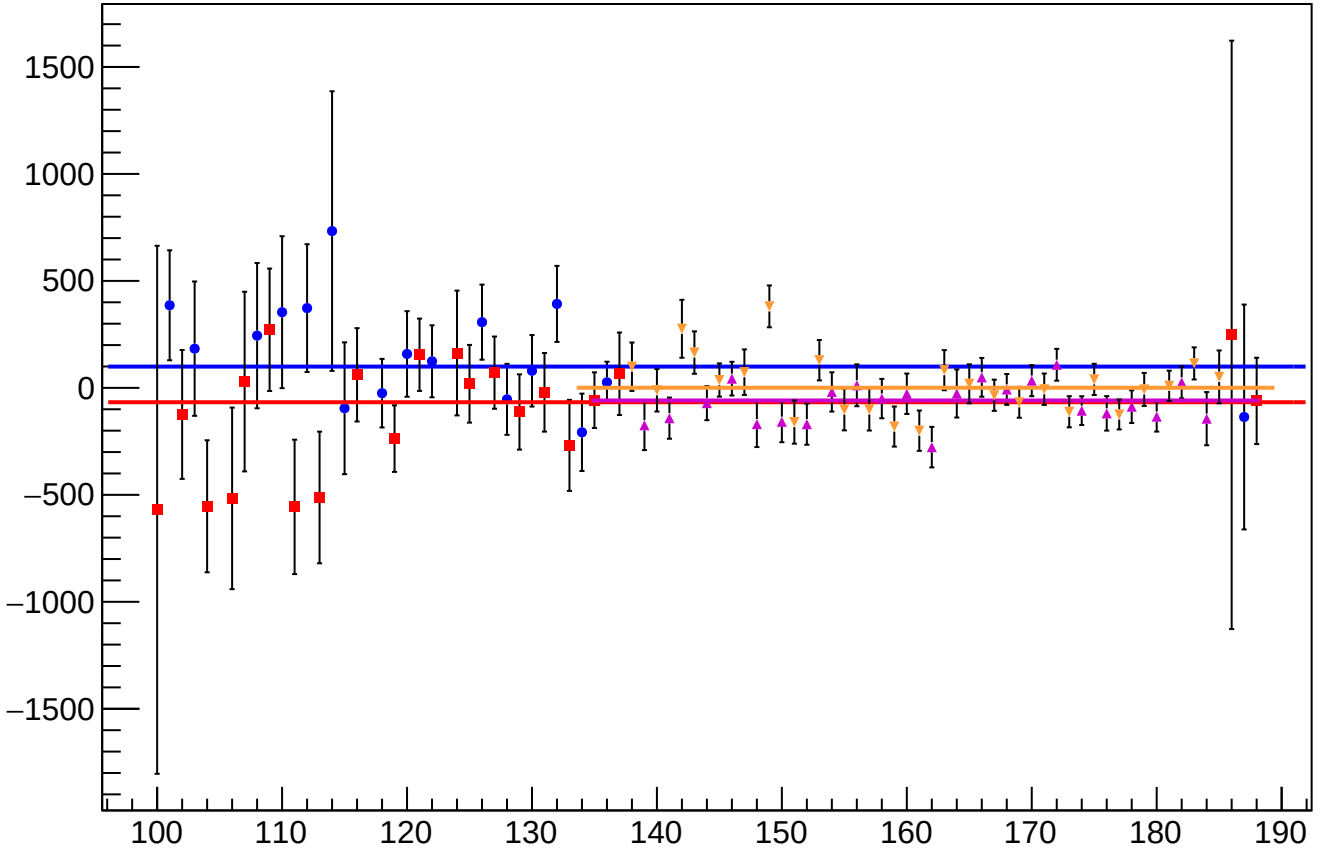
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 476.274+/-0.073 χ^2/NDF: 10142361.7/41

All: 479.528+/-0.052 χ^2/NDF: 21831361.3/85

- sign 482.941+/-0.074 χ^2/NDF: 11684891.0/43

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 99.511+/-47.436 χ^2/NDF: 13.6/16

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -67.106+/-47.891 χ^2/NDF: 16.1/20

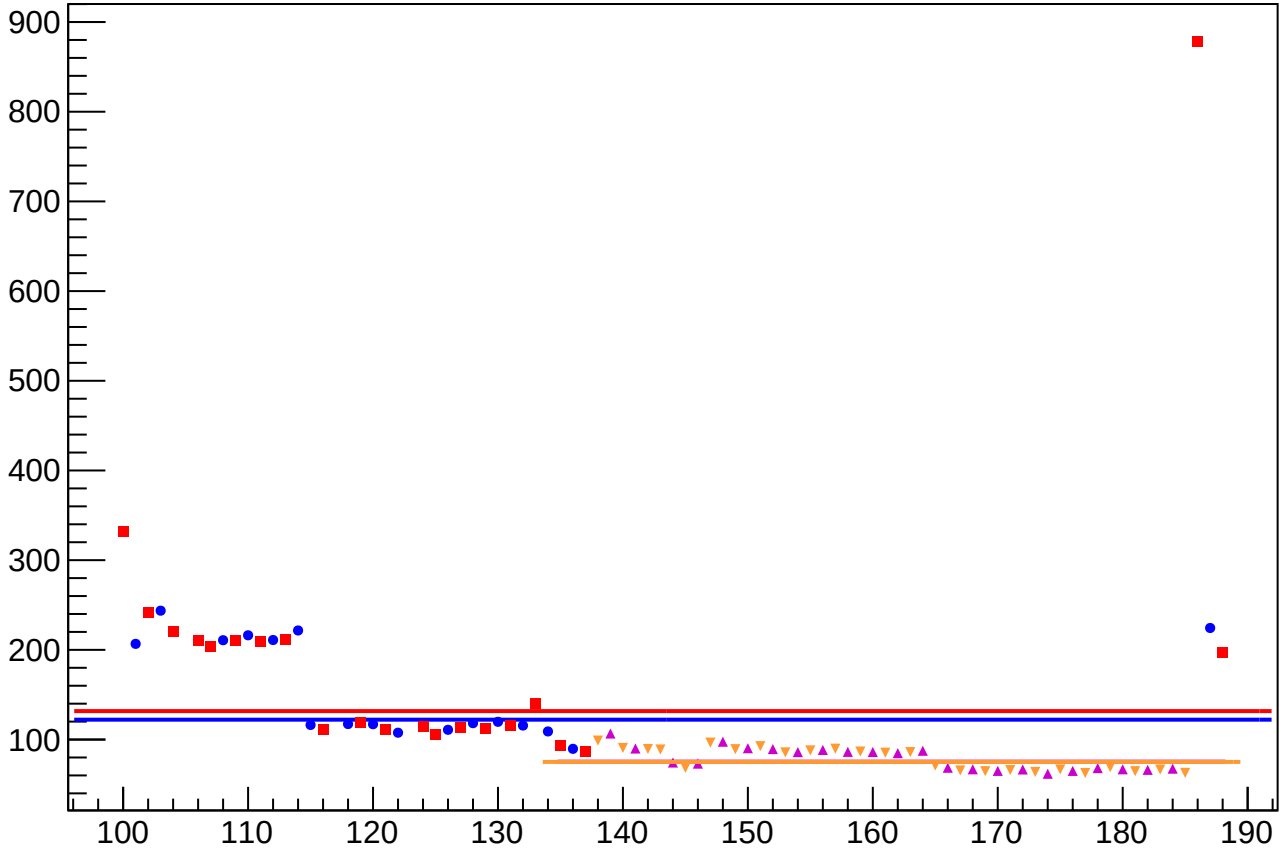
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.232+/-16.269 χ^2/NDF: 66.0/41

All: -22.787+/-11.670 χ^2/NDF: 117.5/85

- sign -59.907+/-16.750 χ^2/NDF: 42.0/43

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 122.165+/-0.034 χ^2/NDF: 1362939.8/16

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

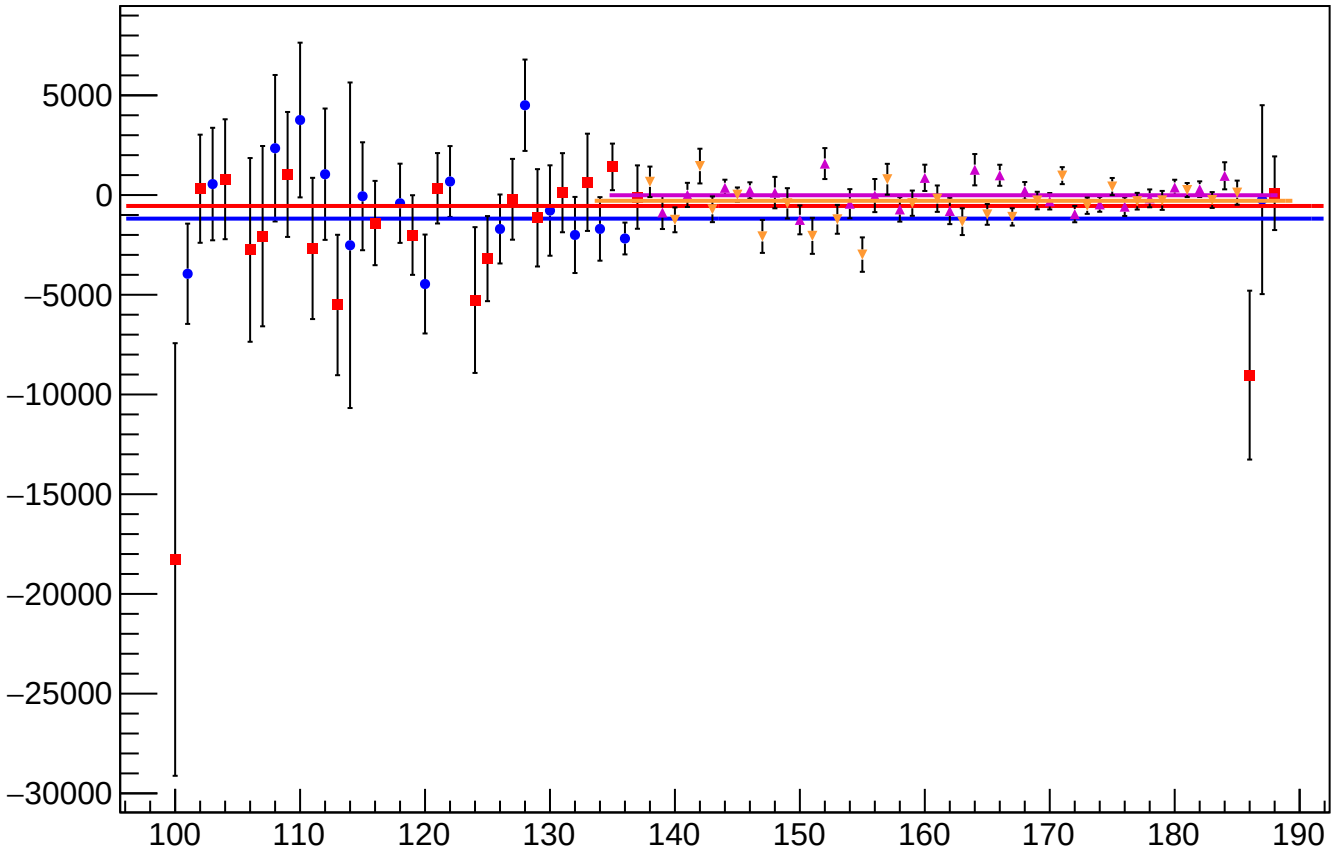
Right Out: 131.734+/-0.034 χ^2/NDF: 2281120.9/20

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.584+/-0.012 χ^2/NDF: 4032622.4/41

All: 81.392+/-0.008 χ^2/NDF: 9594564.5/85

- sign 82.249+/-0.012 χ^2/NDF: 5551774.4/43



Right In: -1182.417+/-476.479 χ^2/NDF: 16.0/16

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -547.644+/-498.998 χ^2/NDF: 17.5/20

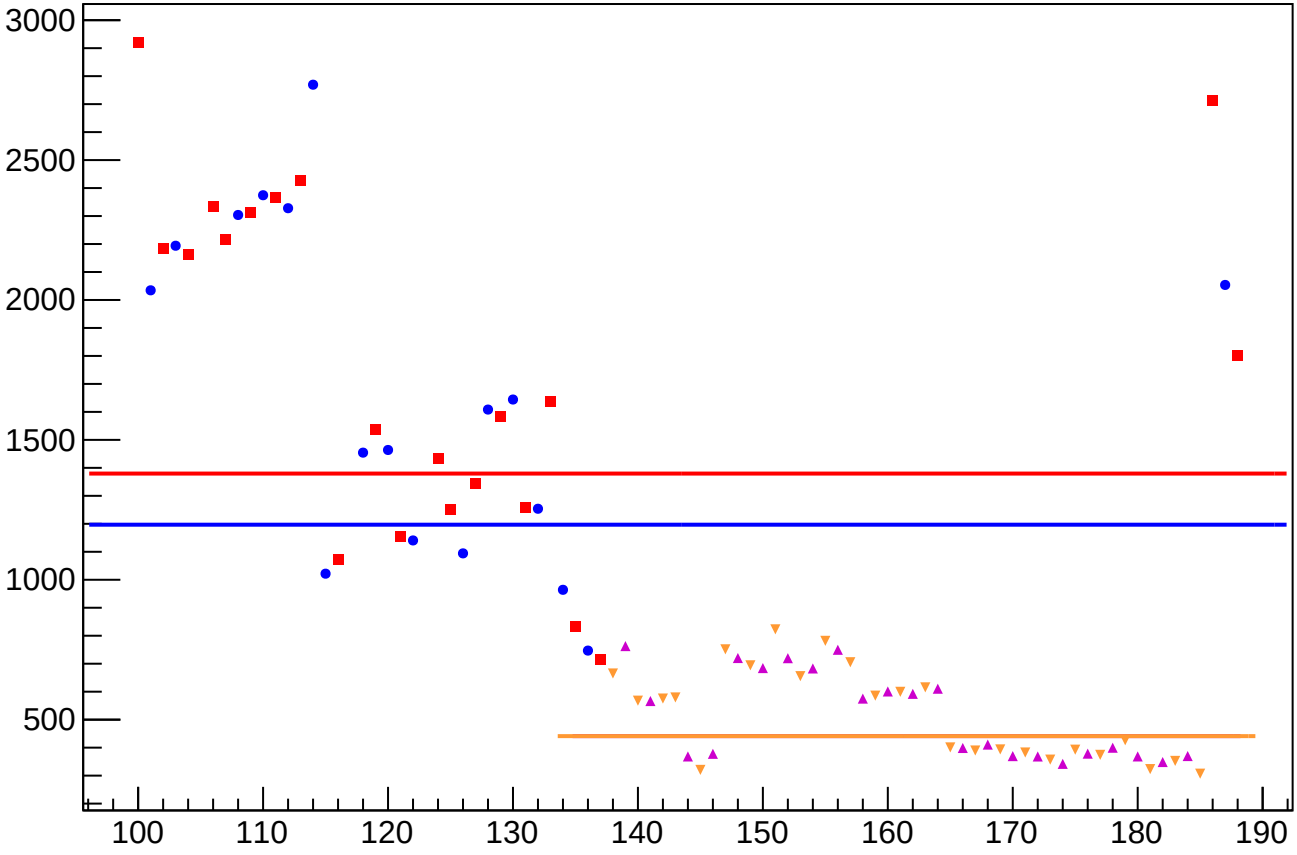
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.672+/-102.755 χ^2/NDF: 72.6/41

All: -185.638+/-73.524 χ^2/NDF: 128.7/85

- sign -34.533+/-105.247 χ^2/NDF: 52.0/43

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1196.832+/-0.337 χ^2/NDF: 2110814.5/16

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1379.569+/-0.353 χ^2/NDF: 2244782.5/20

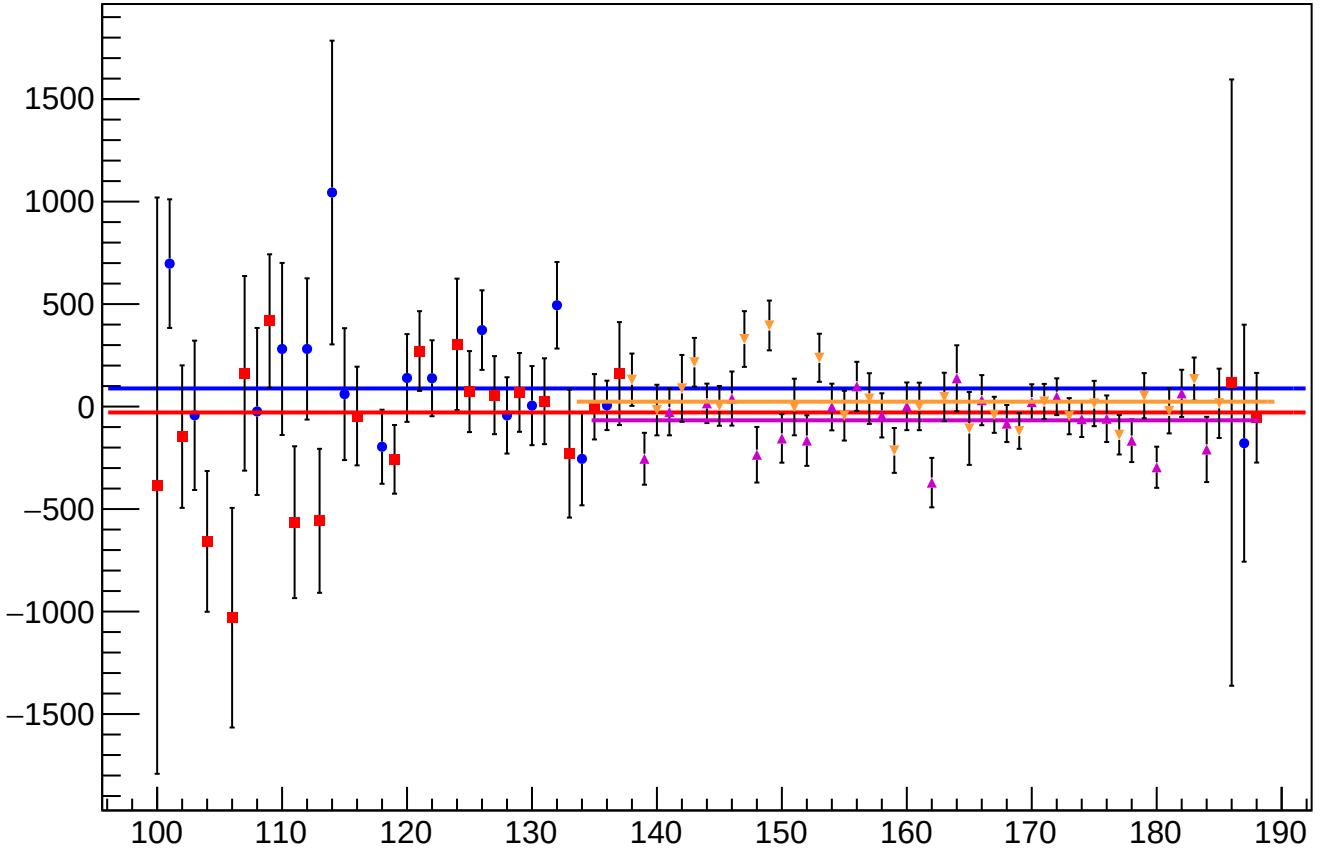
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 476.274+/-0.073 χ^2/NDF: 10142361.7/41

All: 479.528+/-0.052 χ^2/NDF: 21831361.3/85

- sign 482.941+/-0.074 χ^2/NDF: 11684891.0/43

dit_asym_sam_26_avg_mean vs Slug



Right In: 88.441+/-55.310 χ^2/NDF: 18.3/16

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -28.703+/-55.133 χ^2/NDF: 20.6/20

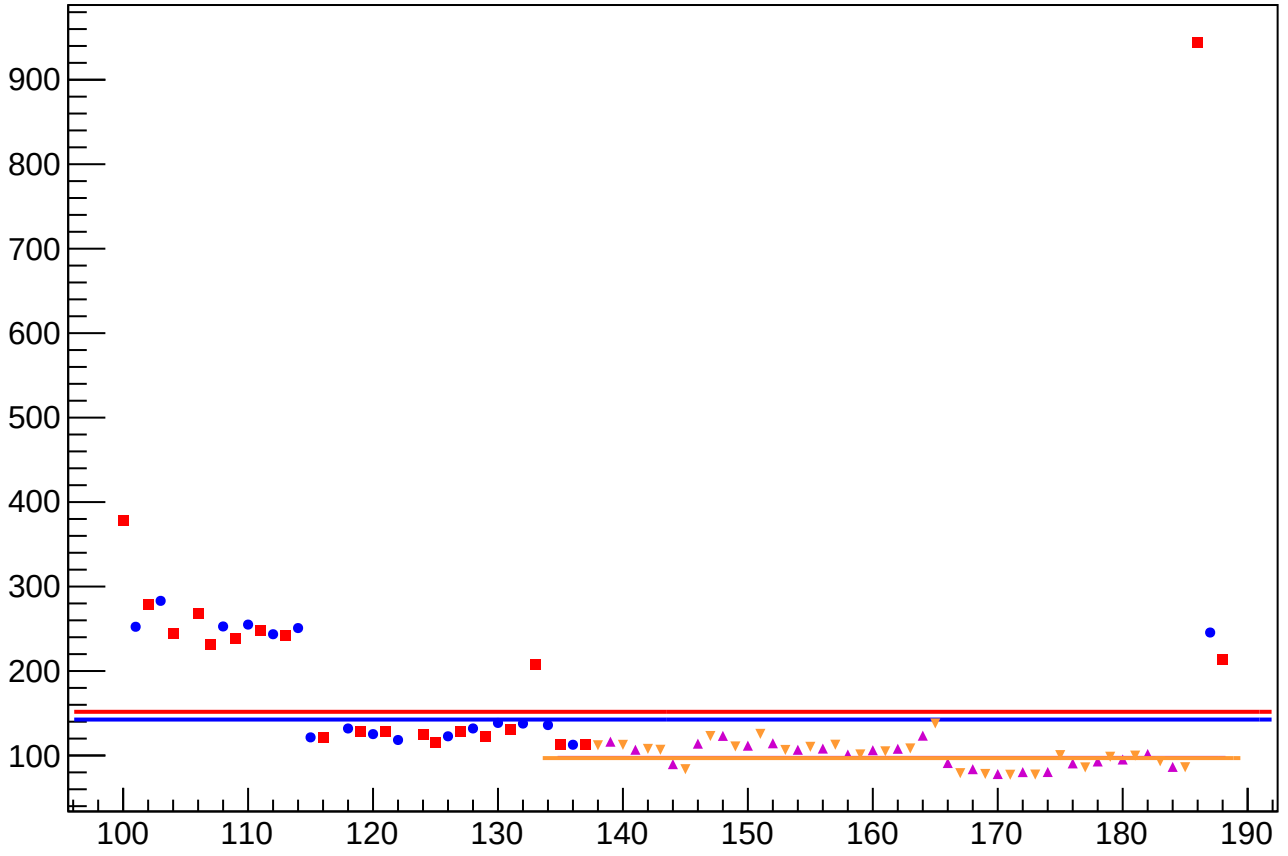
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 32.981+/-20.773 χ^2/NDF: 54.6/41

All: -12.952+/-14.879 χ^2/NDF: 114.3/85

- sign -61.345+/-21.322 χ^2/NDF: 49.6/43

dit_asym_sam_26_avg_rms vs Slug



Right In: 142.538+/-0.039 χ^2/NDF: 1326473.6/16

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

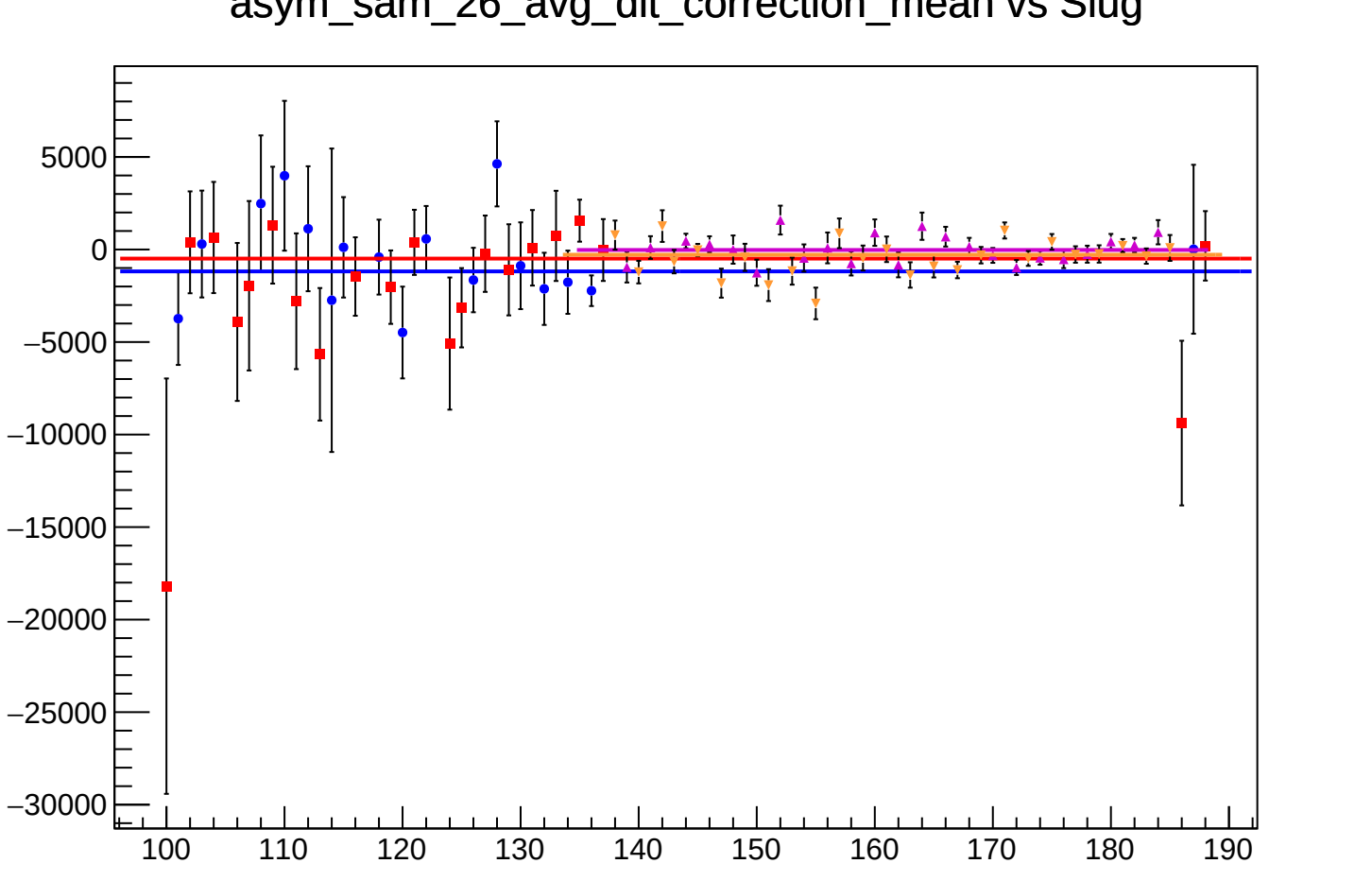
Right Out: 151.718+/-0.039 χ^2/NDF: 2262850.0/20

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 103.344+/-0.015 χ^2/NDF: 3429692.8/41

All: 104.309+/-0.011 χ^2/NDF: 8041130.5/85

- sign 105.326+/-0.015 χ^2/NDF: 4602568.3/43



Right In: -1182.798+/-488.561 χ^2/NDF: 16.0/16

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -491.627+/-501.318 χ^2/NDF: 18.4/20

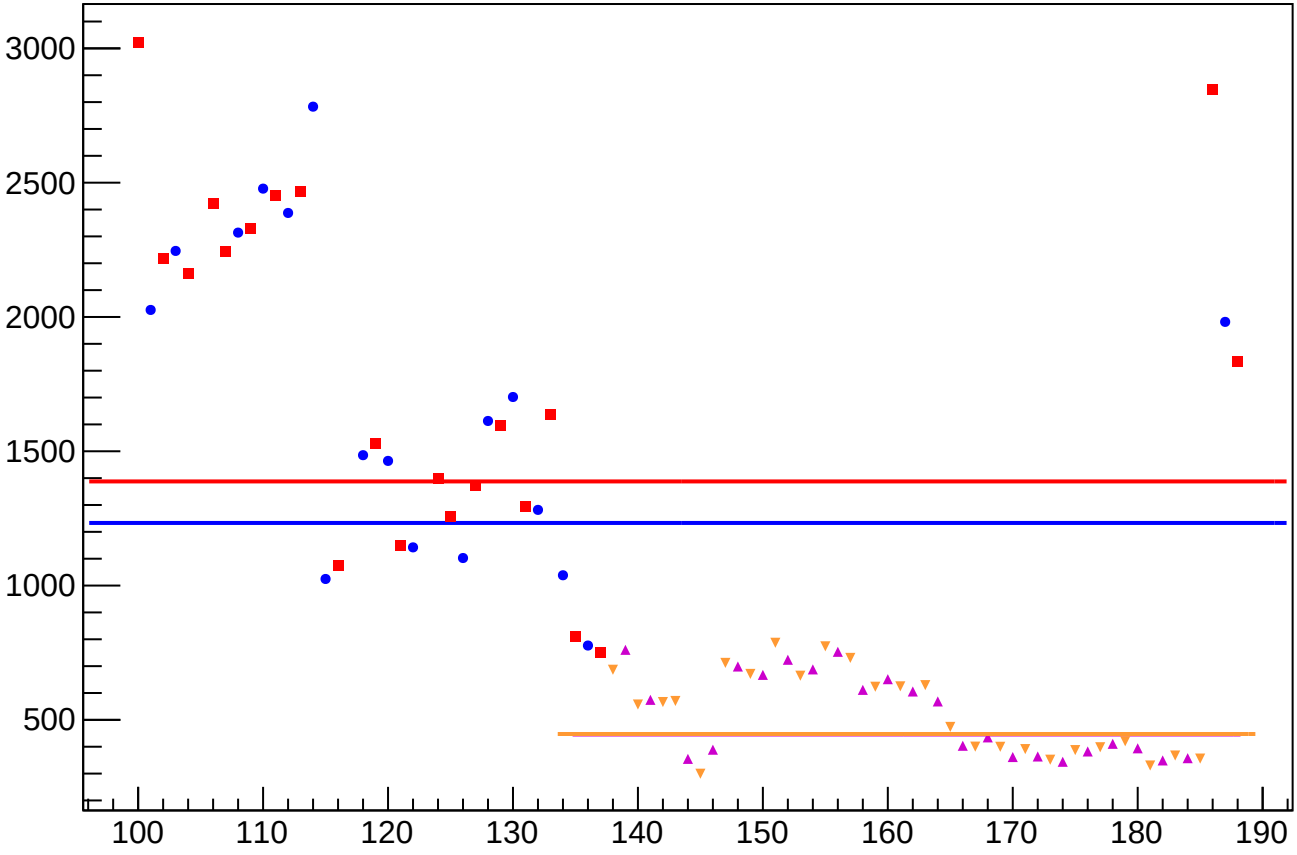
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -323.189+/-103.958 χ^2/NDF: 69.7/41

All: -187.651+/-74.359 χ^2/NDF: 125.4/85

- sign -45.663+/-106.403 χ^2/NDF: 52.2/43

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1233.147+/-0.345 χ^2/NDF: 2013785.6/16

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1387.721+/-0.354 χ^2/NDF: 2344578.9/20

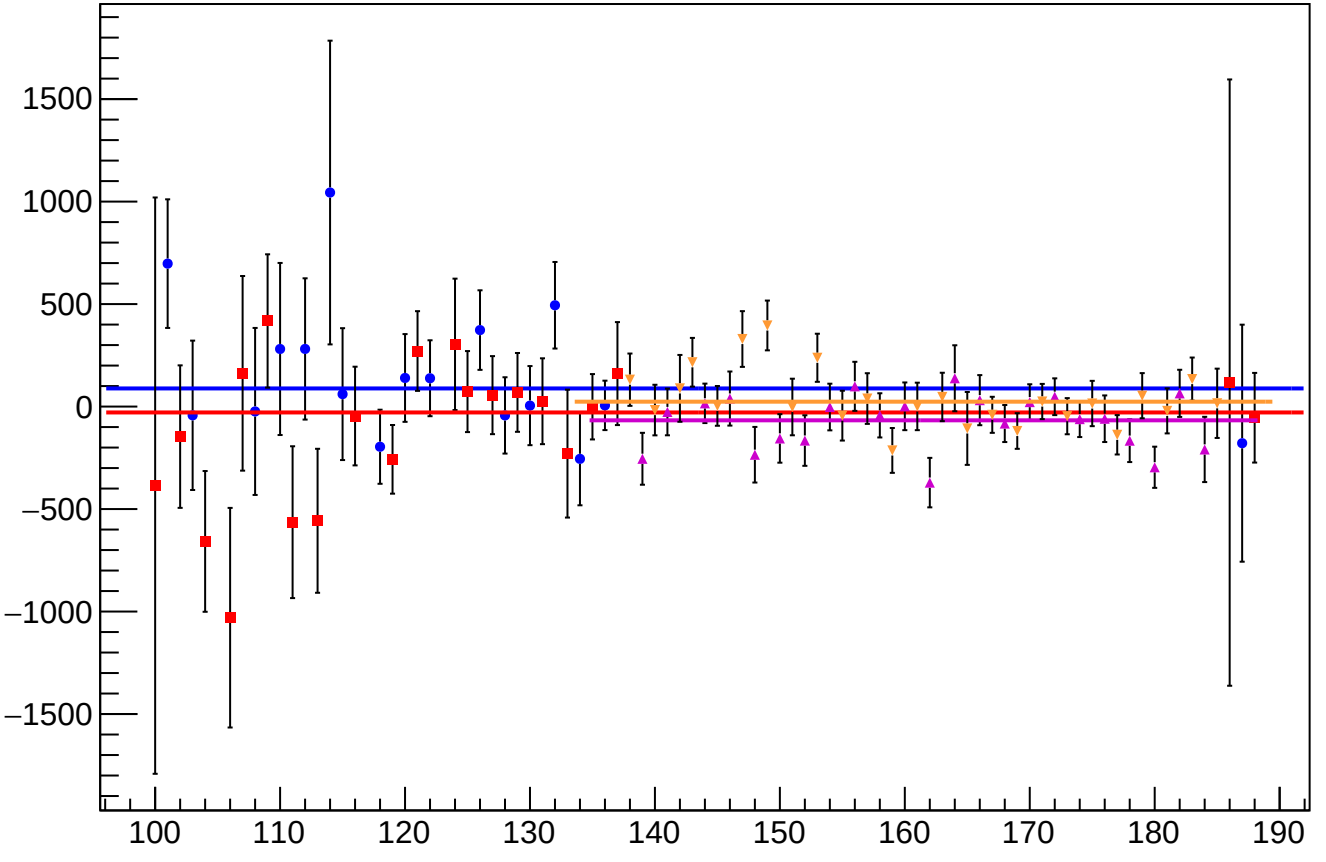
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 482.962+/-0.074 χ^2/NDF: 10150699.1/41

All: 485.392+/-0.053 χ^2/NDF: 21957607.0/85

- sign 487.937+/-0.075 χ^2/NDF: 11804671.3/43

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 88.444+/-55.309 χ^2/NDF: 18.3/16

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -28.704+/-55.133 χ^2/NDF: 20.6/20

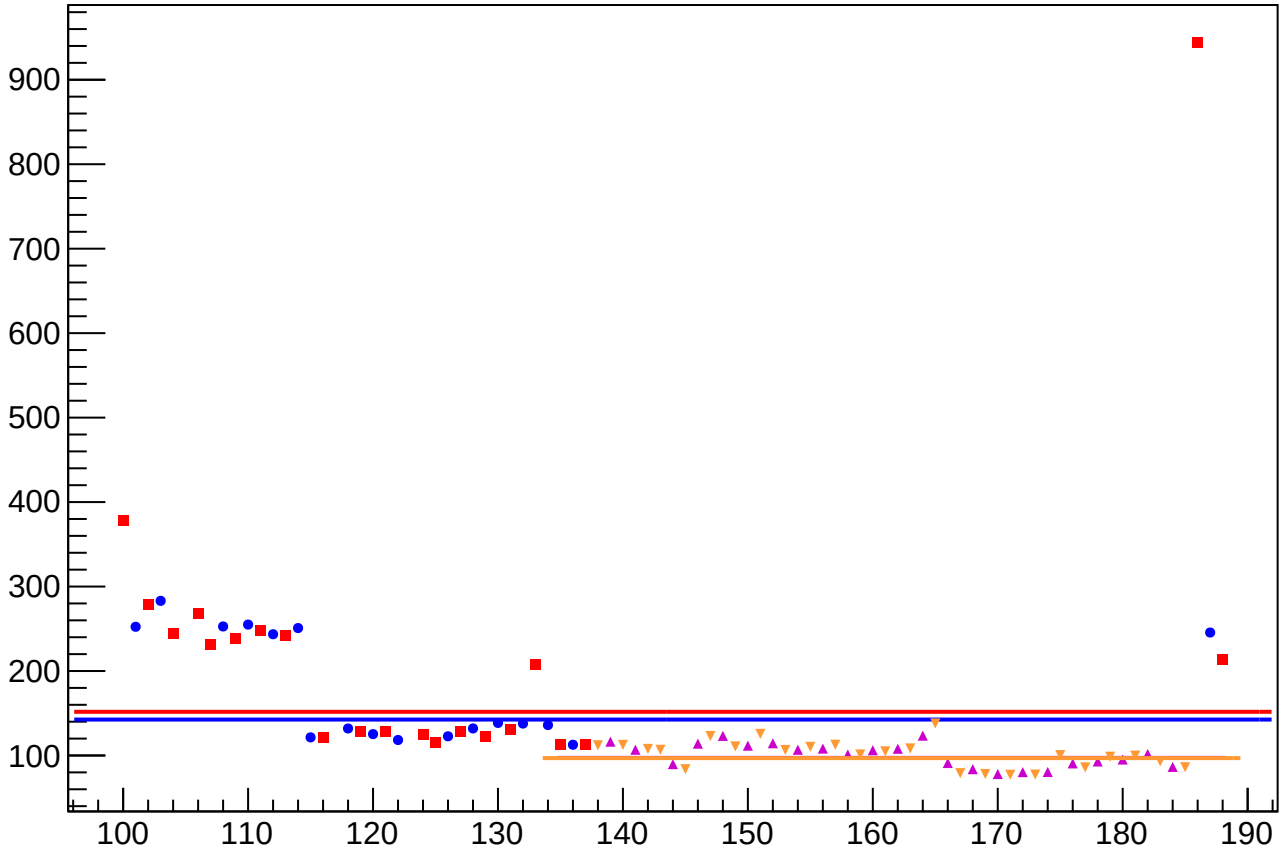
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 32.980+/-20.773 χ^2/NDF: 54.6/41

All: -12.953+/-14.879 χ^2/NDF: 114.3/85

- sign -61.345+/-21.322 χ^2/NDF: 49.6/43

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 142.537+/-0.039 χ^2/NDF: 1326458.8/16

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

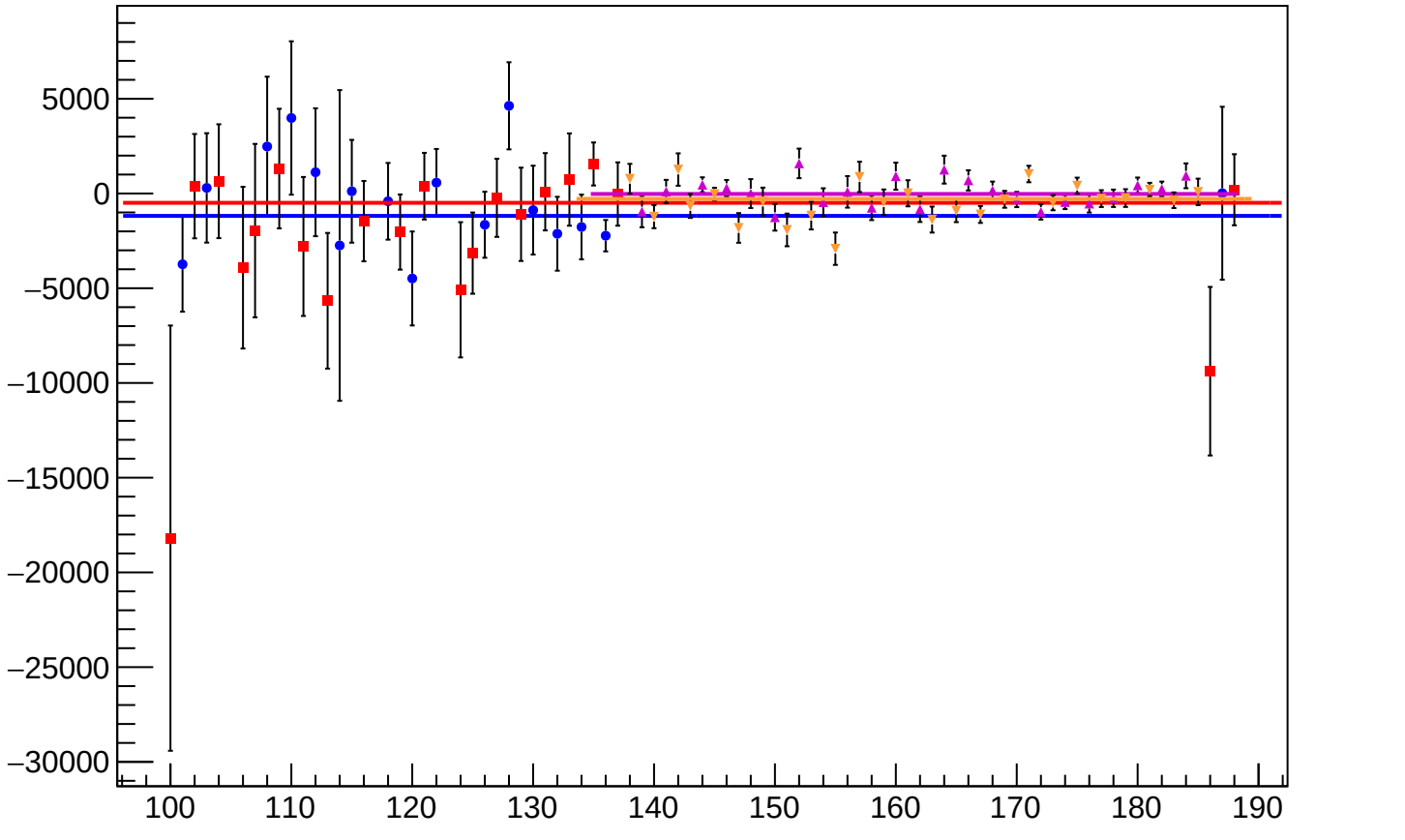
Right Out: 151.718+/-0.039 χ^2/NDF: 2262839.2/20

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 103.344+/-0.015 χ^2/NDF: 3429637.3/41

All: 104.309+/-0.011 χ^2/NDF: 8041017.2/85

- sign 105.327+/-0.015 χ^2/NDF: 4602509.5/43



Right In: -1182.794+/-488.560 χ^2/NDF: 16.0/16

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: -491.629+/-501.318 χ^2/NDF: 18.4/20

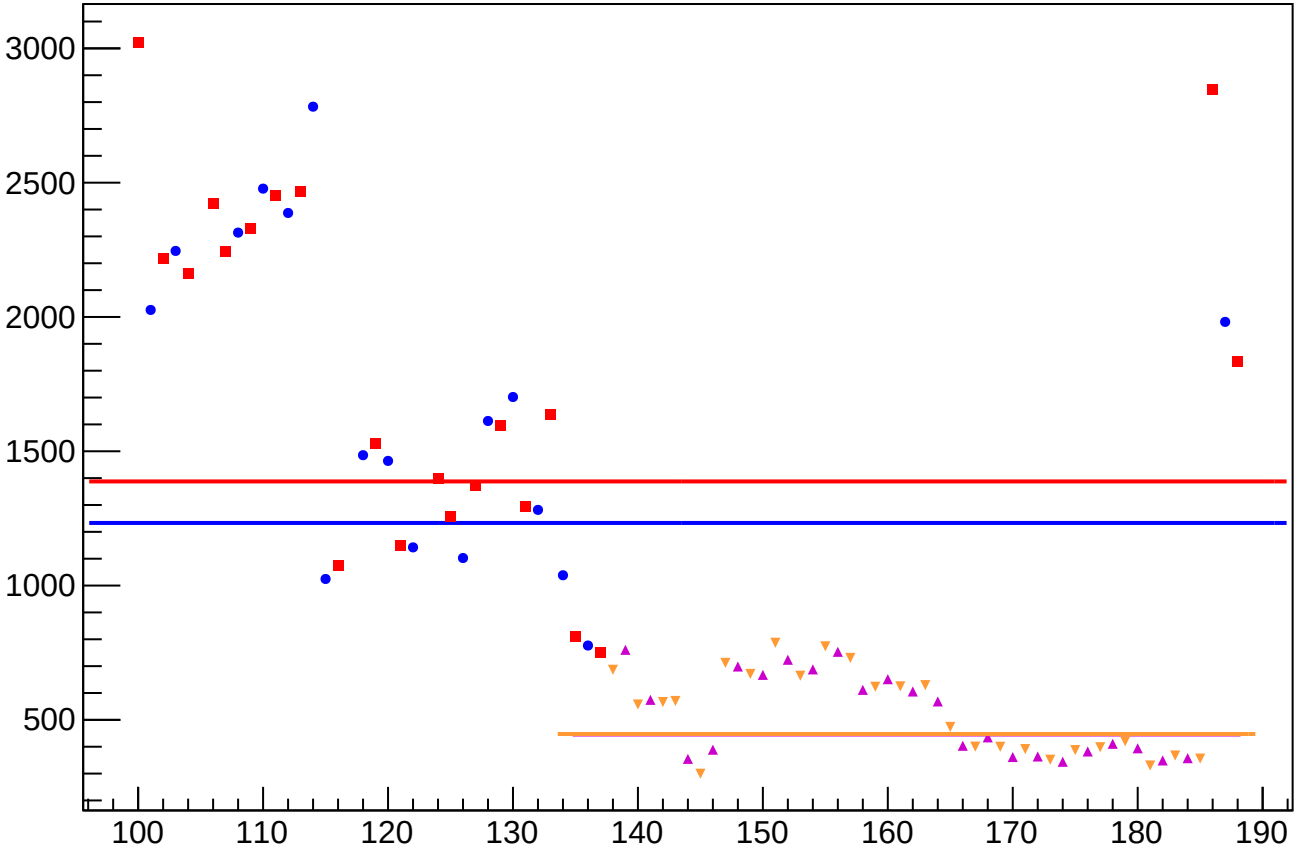
Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -323.187+/-103.958 χ^2/NDF: 69.7/41

All: -187.651+/-74.359 χ^2/NDF: 125.4/85

- sign -45.664+/-106.403 χ^2/NDF: 52.2/43

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1233.146+/-0.345 χ^2/NDF: 2013764.4/16

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1387.720+/-0.354 χ^2/NDF: 2344562.9/20

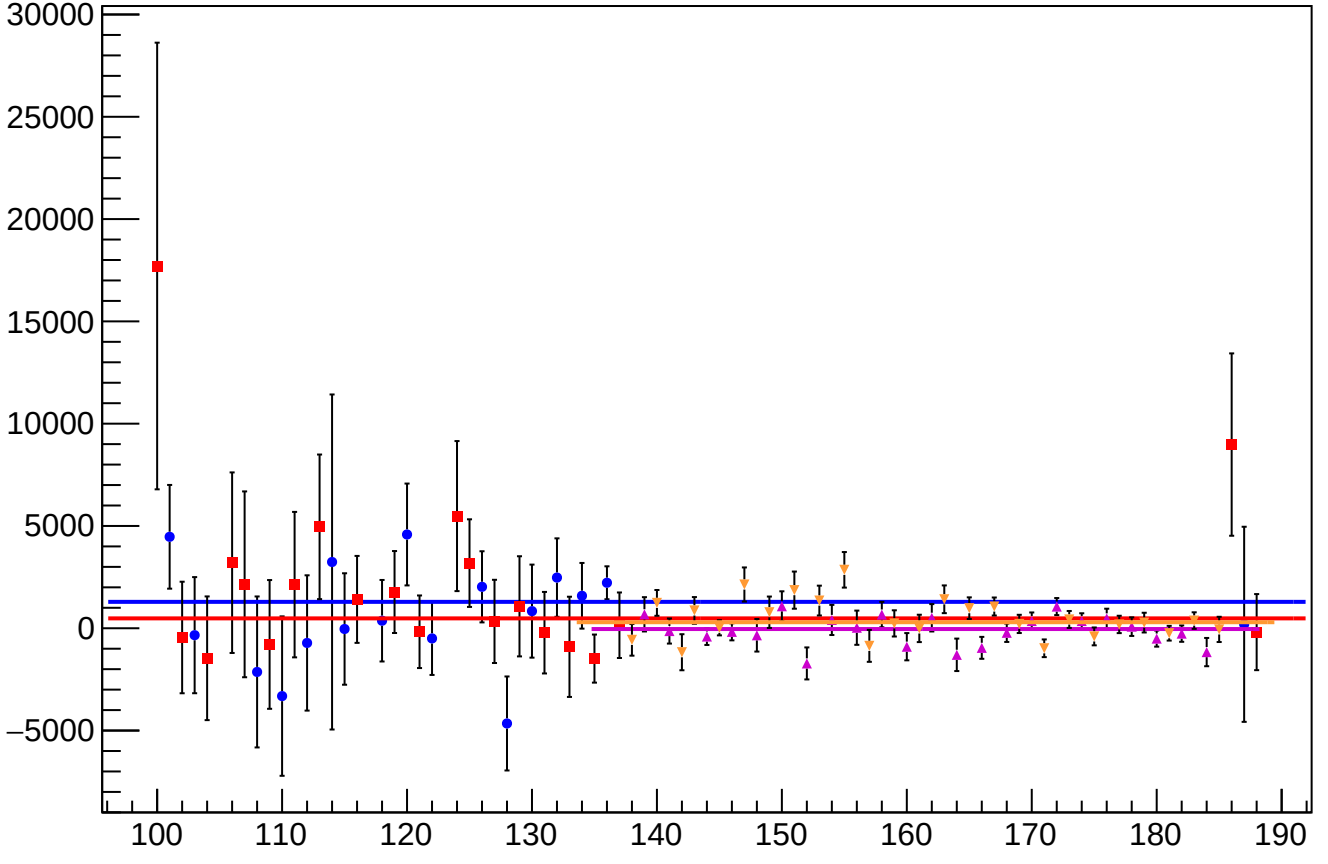
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

\+ sign 482.962+/-0.074 χ^2/NDF: 10150710.6/41

All: 485.392+/-0.053 χ^2/NDF: 21957619.9/85

\- sign 487.937+/-0.075 χ^2/NDF: 11804672.6/43

asym_sam_26_avg_mean vs Slug



Right In: 1290.412+/-479.515 χ^2/NDF: 16.5/16

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 482.542+/-501.608 χ^2/NDF: 16.8/20

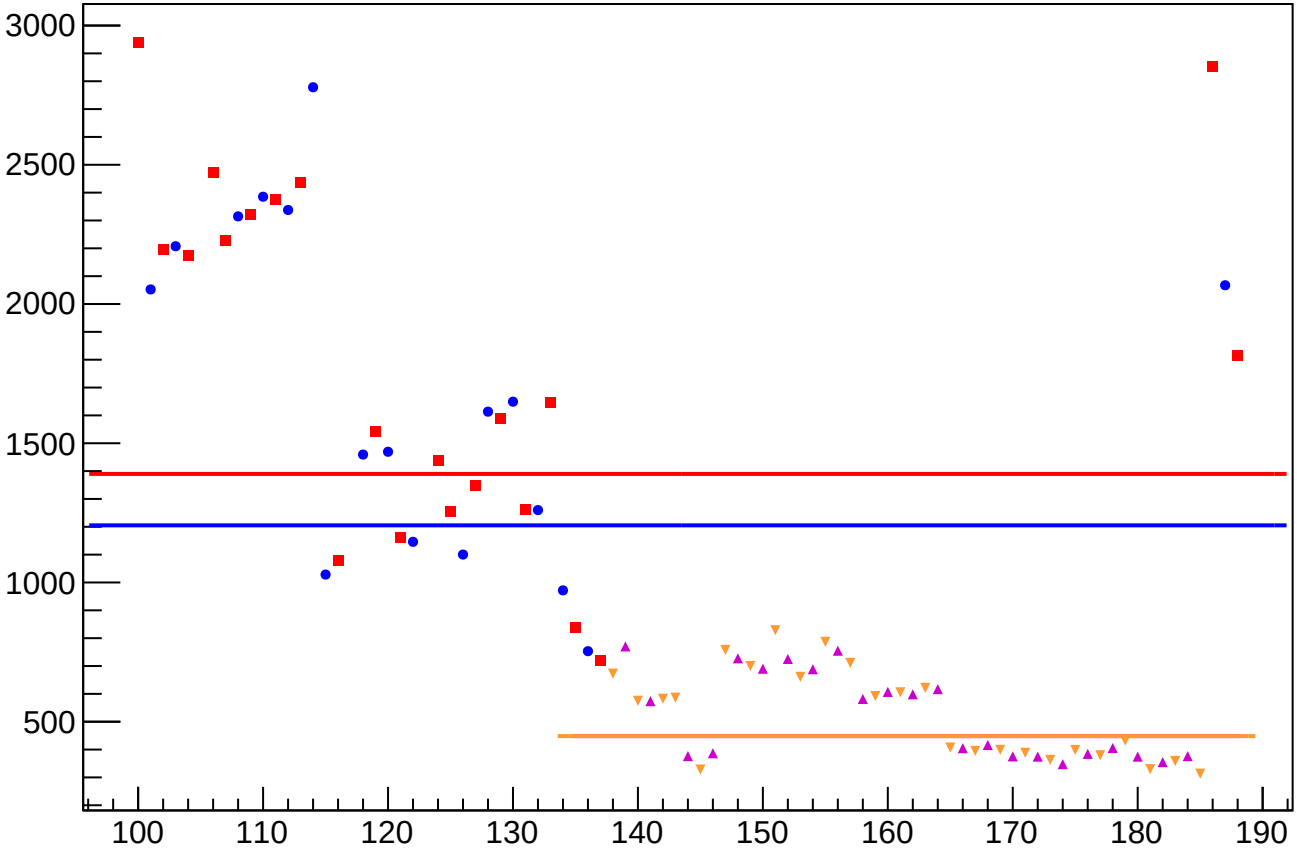
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 342.059+/-104.255 χ^2/NDF: 71.1/41

All: 168.093+/-74.606 χ^2/NDF: 127.6/85

- sign -14.500+/-106.809 χ^2/NDF: 50.8/43

asym_sam_26_avg_rms vs Slug



Right In: 1205.162+/-0.339 χ^2/NDF: 2097778.8/16

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

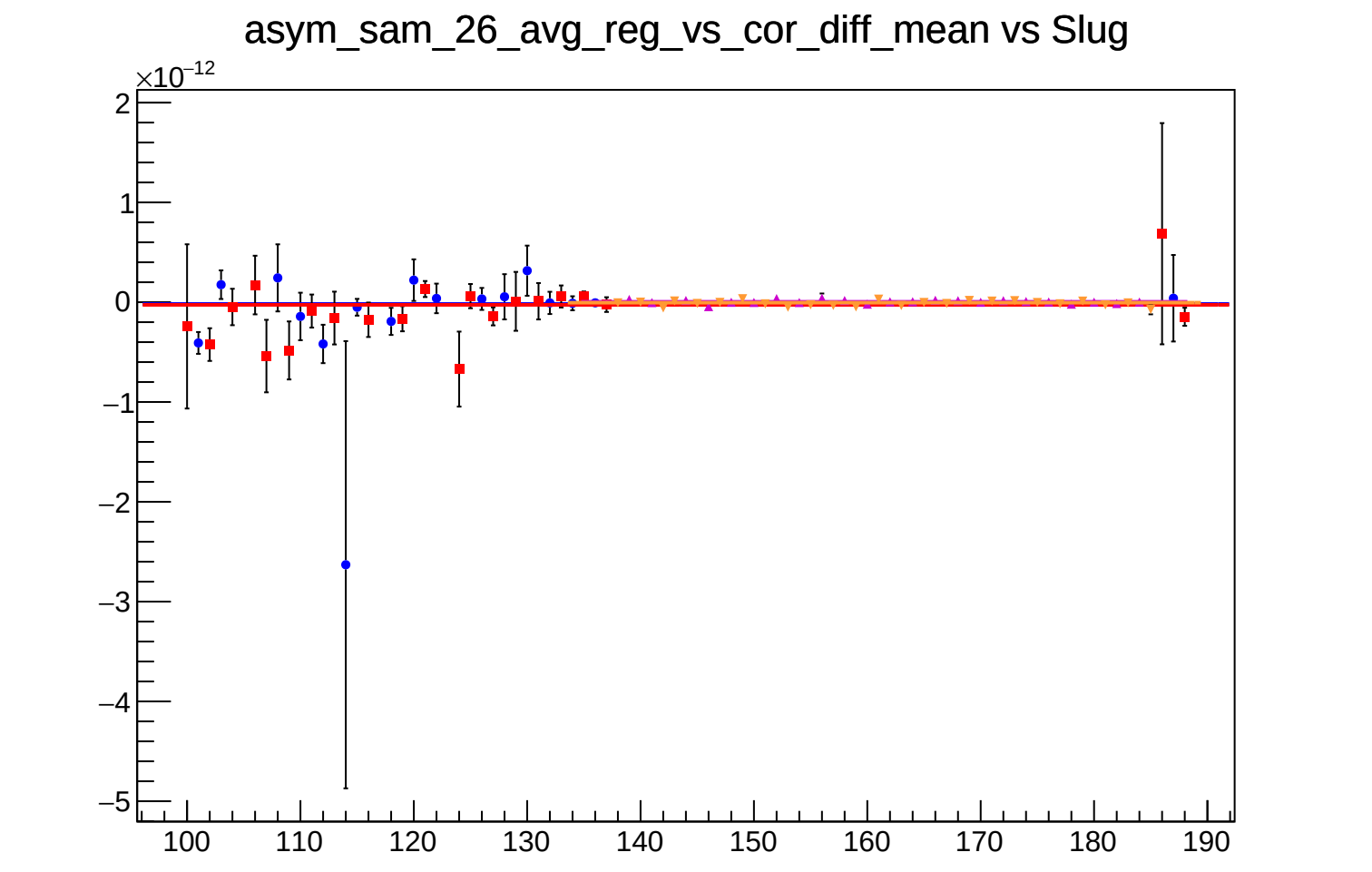
Right Out: 1389.867+/-0.355 χ^2/NDF: 2292866.3/20

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 484.056+/-0.074 χ^2/NDF: 10002062.6/41

All: 487.485+/-0.053 χ^2/NDF: 21646209.6/85

- sign 491.083+/-0.076 χ^2/NDF: 11639713.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

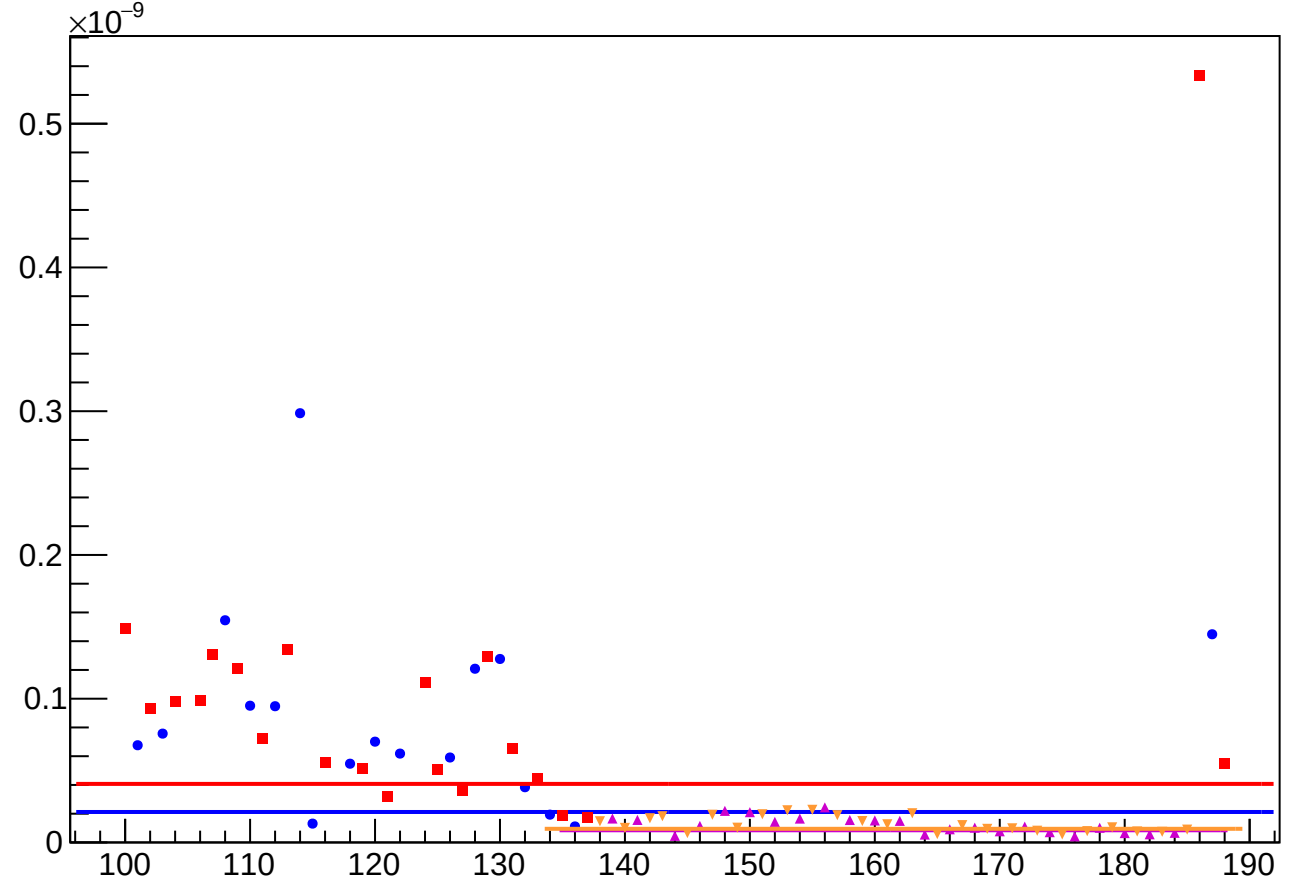
Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/20

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.5/41

All: -0.000+/-0.000 χ^2/NDF: 99.0/85

- sign 0.000+/-0.000 χ^2/NDF: 45.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 3543973.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

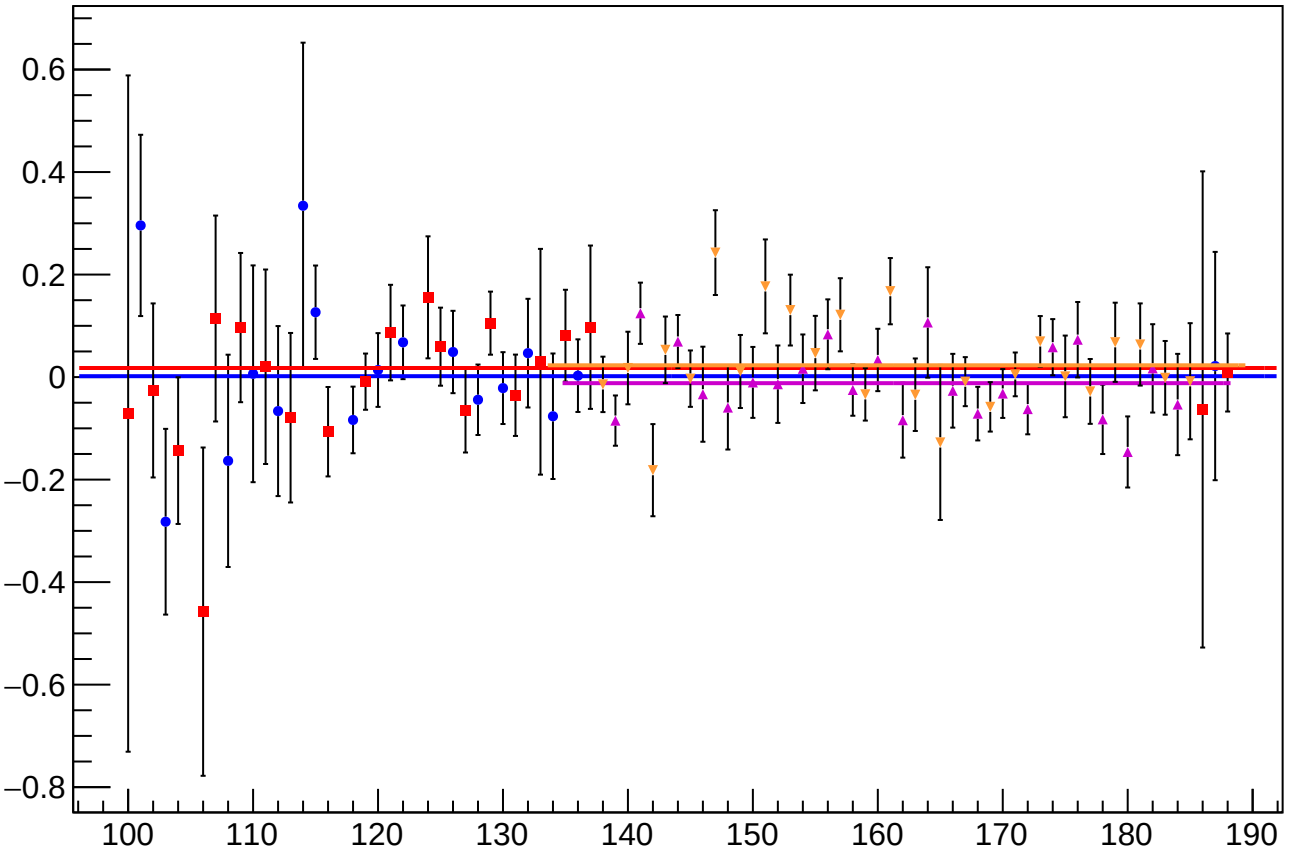
Right Out: 0.000+/-0.000 χ^2/NDF: 2527899.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6791591.9/41

All: 0.000+/-0.000 χ^2/NDF: 15048641.4/85

- sign 0.000+/-0.000 χ^2/NDF: 8199555.7/43



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/16

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.018+/-0.022 χ^2/NDF: 13.1/20

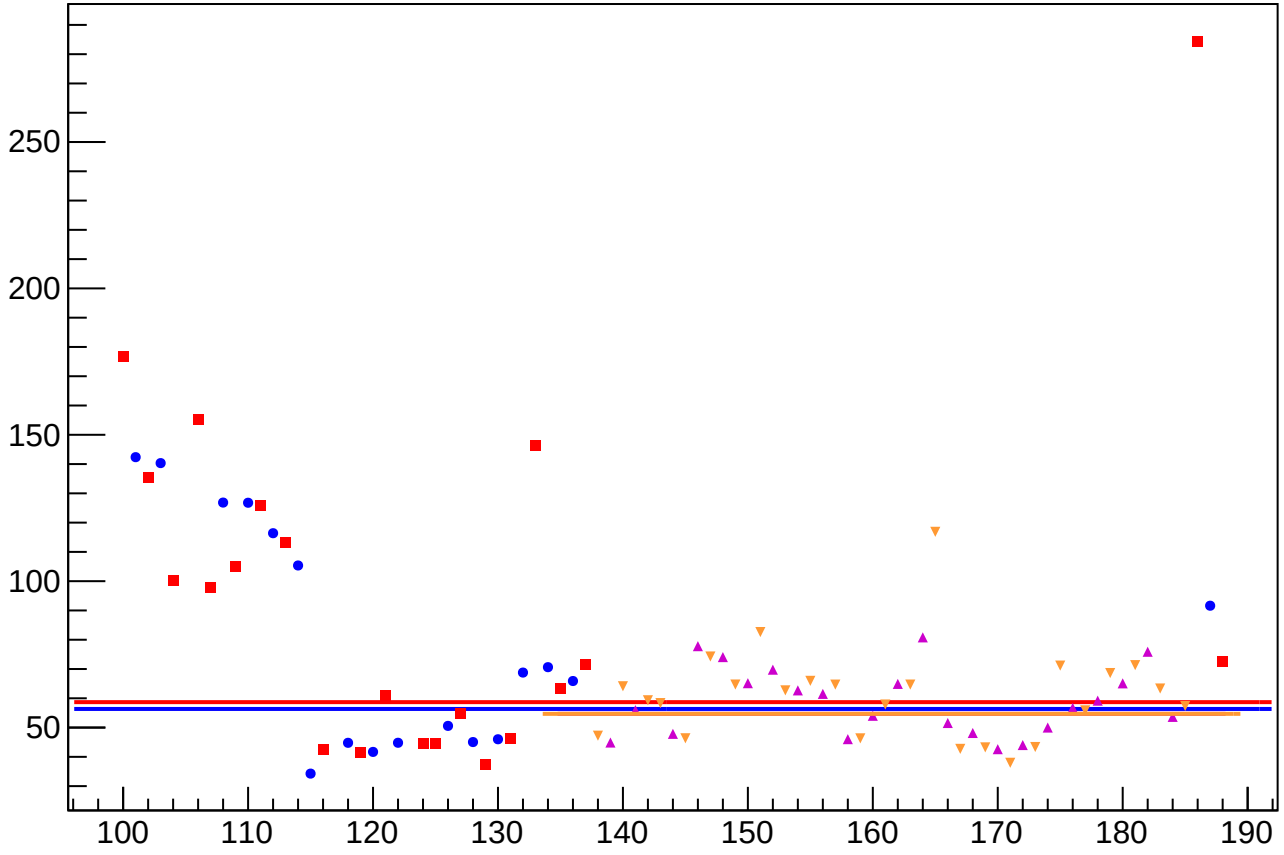
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/41

All: 0.007+/-0.008 χ^2/NDF: 90.1/85

- sign -0.004+/-0.011 χ^2/NDF: 40.3/43

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 56.358+/-0.016 χ^2/NDF: 2230520.1/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

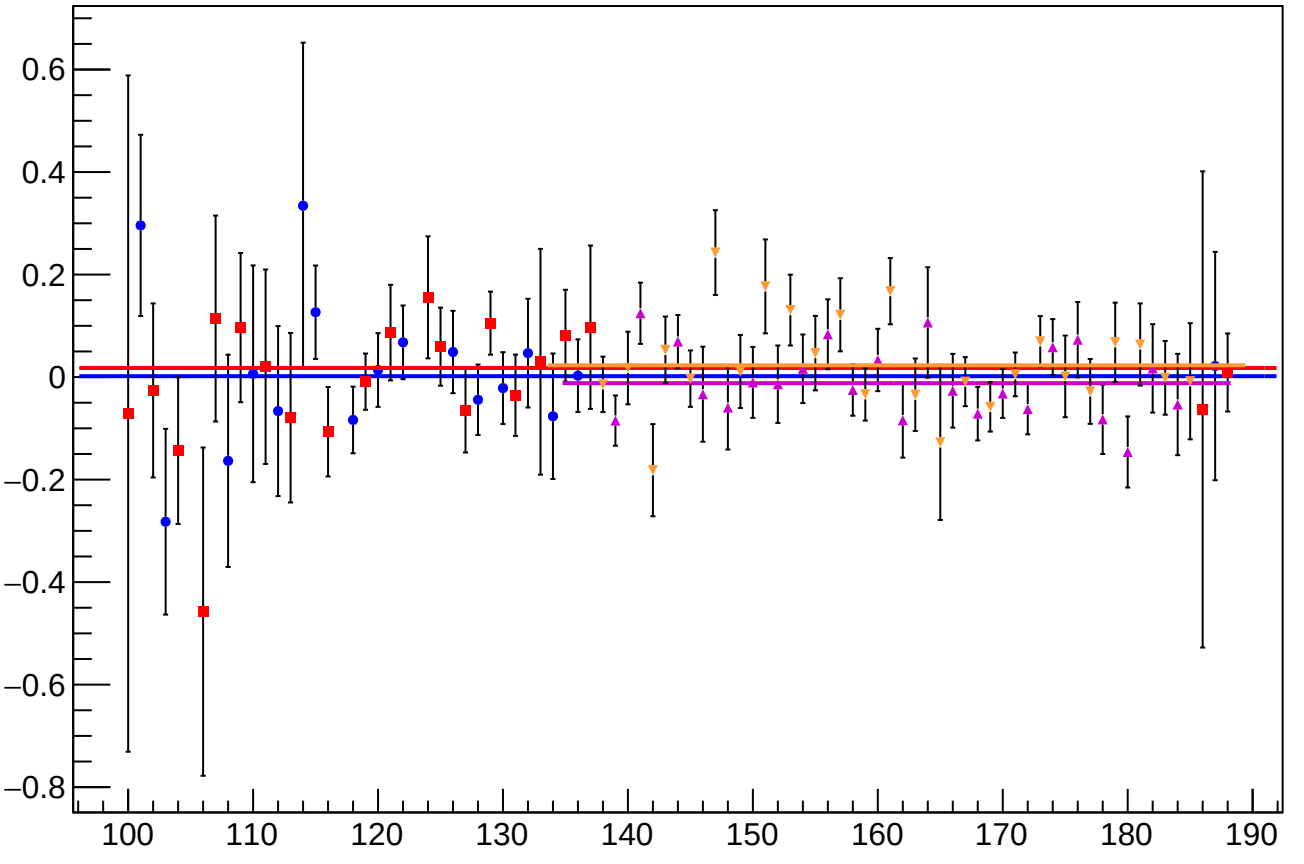
Right Out: 58.684+/-0.016 χ^2/NDF: 3105841.4/20

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

\+ sign 55.080+/-0.008 χ^2/NDF: 4174961.7/41

All: 55.398+/-0.006 χ^2/NDF: 8521771.3/85

\- sign 55.722+/-0.008 χ^2/NDF: 4343616.6/43



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/16

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

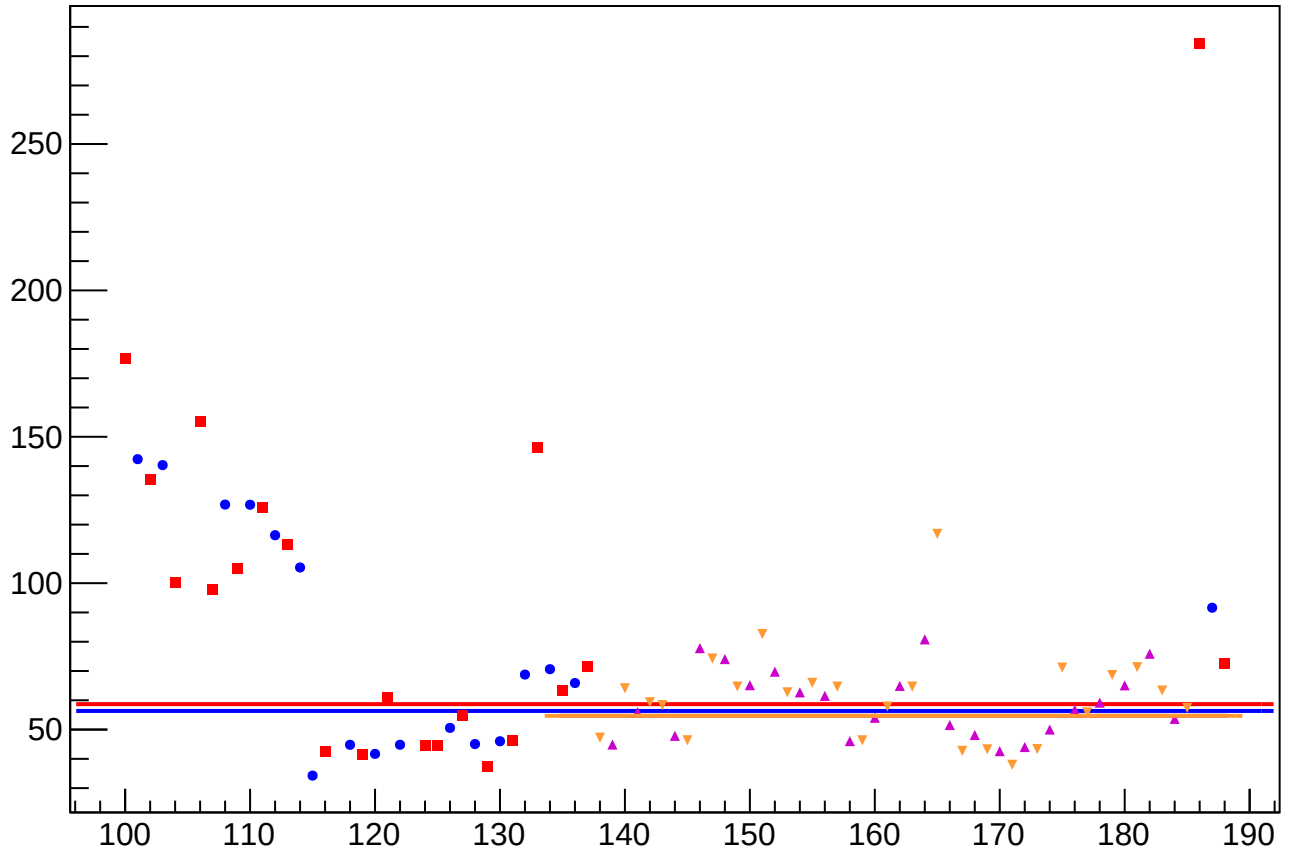
Right Out: 0.018+/-0.022 χ^2/NDF: 13.1/20

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/41

All: 0.007+/-0.008 χ^2/NDF: 90.1/85

- sign -0.004+/-0.011 χ^2/NDF: 40.3/43



Right In: 56.358+/-0.016 χ^2/NDF: 2230520.1/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 58.684+/-0.016 χ^2/NDF: 3105841.4/20

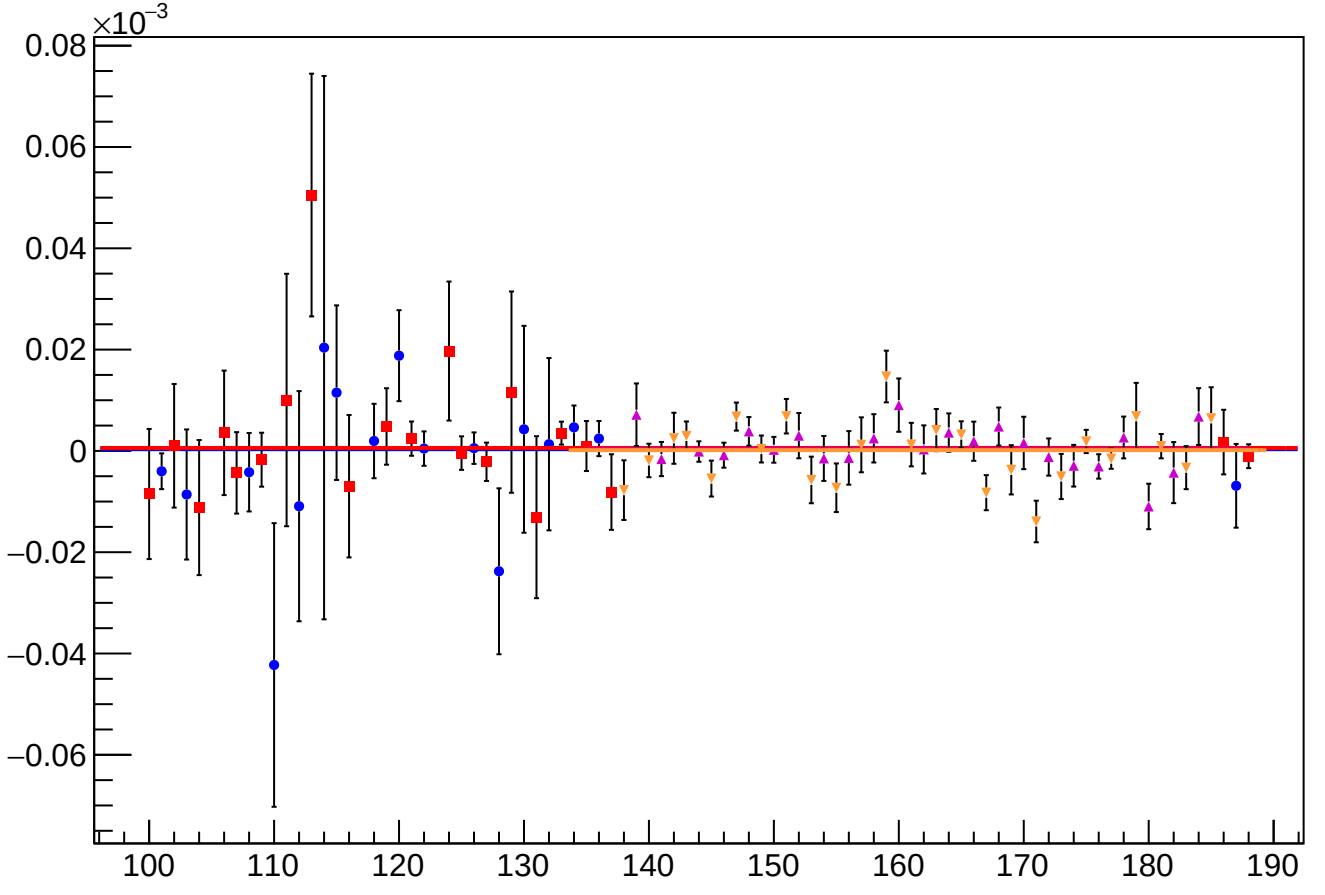
Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.080+/-0.008 χ^2/NDF: 4174961.7/41

All: 55.398+/-0.006 χ^2/NDF: 8521771.3/85

- sign 55.722+/-0.008 χ^2/NDF: 4343616.6/43

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

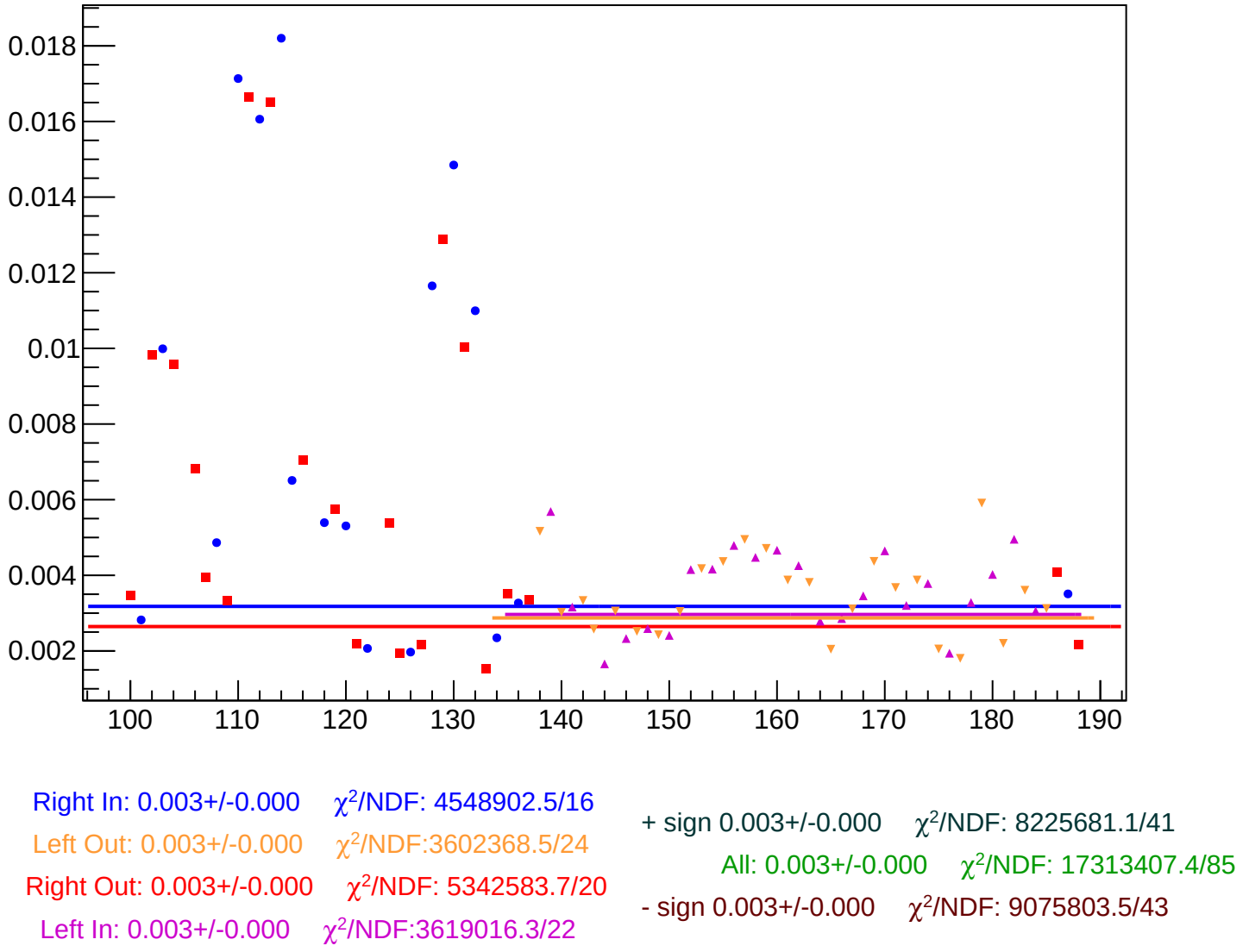
Right Out: 0.000+/-0.000 χ^2/NDF: 14.4/20

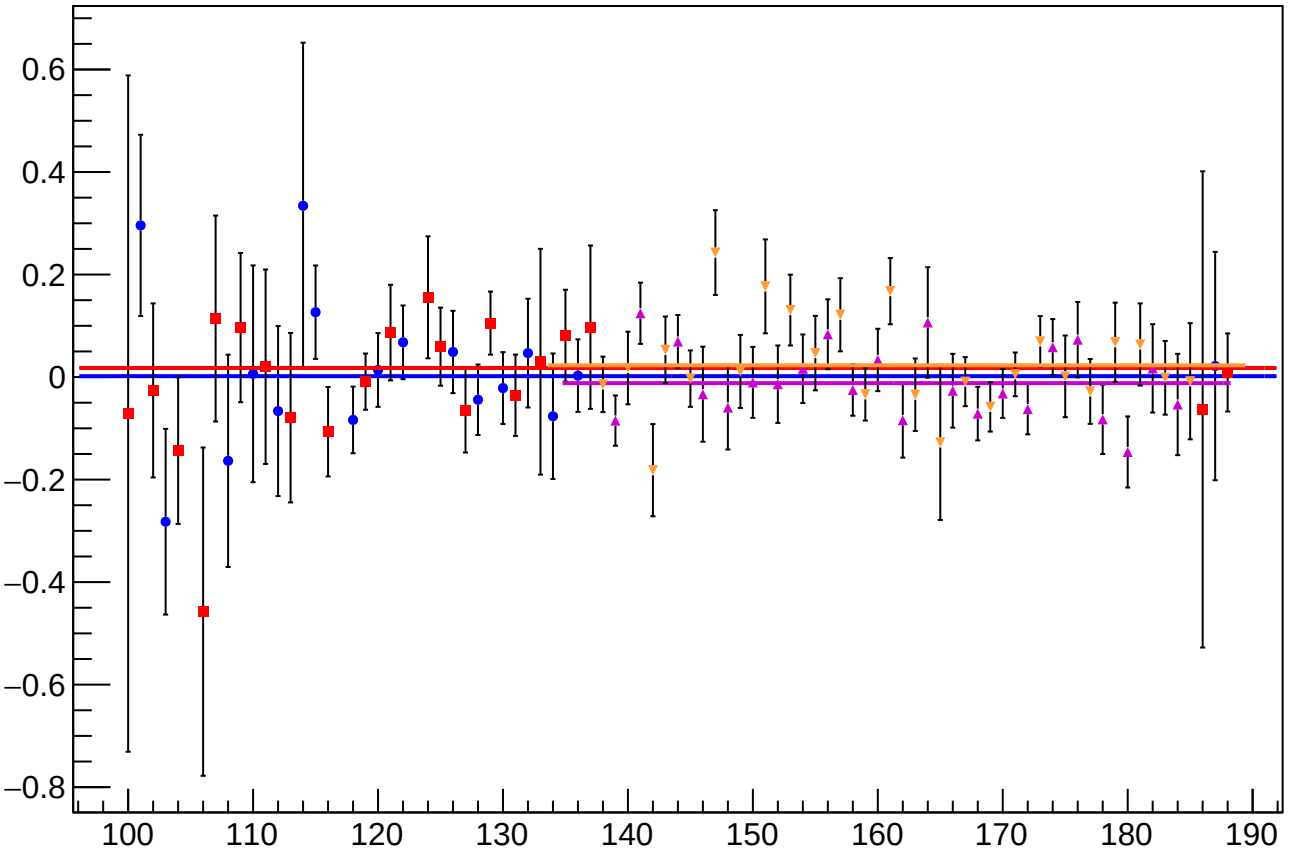
Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.8/41

All: 0.000+/-0.000 χ^2/NDF: 103.1/85

- sign 0.000+/-0.000 χ^2/NDF: 35.2/43


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.003+/-0.000 χ²/NDF: 4548902.5/16
Left Out: 0.003+/-0.000 χ²/NDF:3602368.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 5342583.7/20
Left In: 0.003+/-0.000 χ²/NDF:3619016.3/22
+ sign 0.003+/-0.000 χ²/NDF: 8225681.1/41
All: 0.003+/-0.000 χ²/NDF: 17313407.4/85
- sign 0.003+/-0.000 χ²/NDF: 9075803.5/43



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/16

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

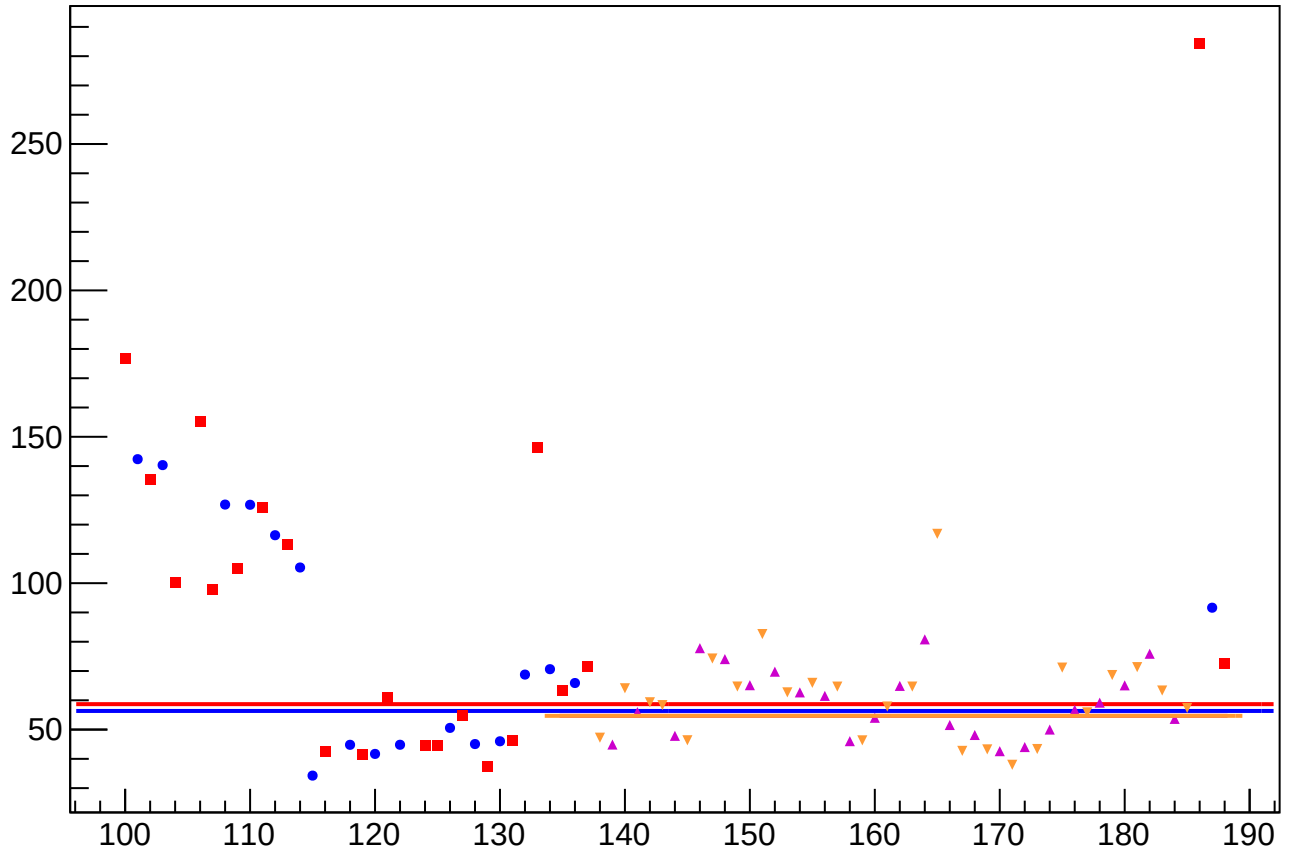
Right Out: 0.018+/-0.022 χ^2/NDF: 13.1/20

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/41

All: 0.007+/-0.008 χ^2/NDF: 90.1/85

- sign -0.004+/-0.011 χ^2/NDF: 40.3/43



Right In: 56.358+/-0.016 χ^2/NDF: 2230455.6/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

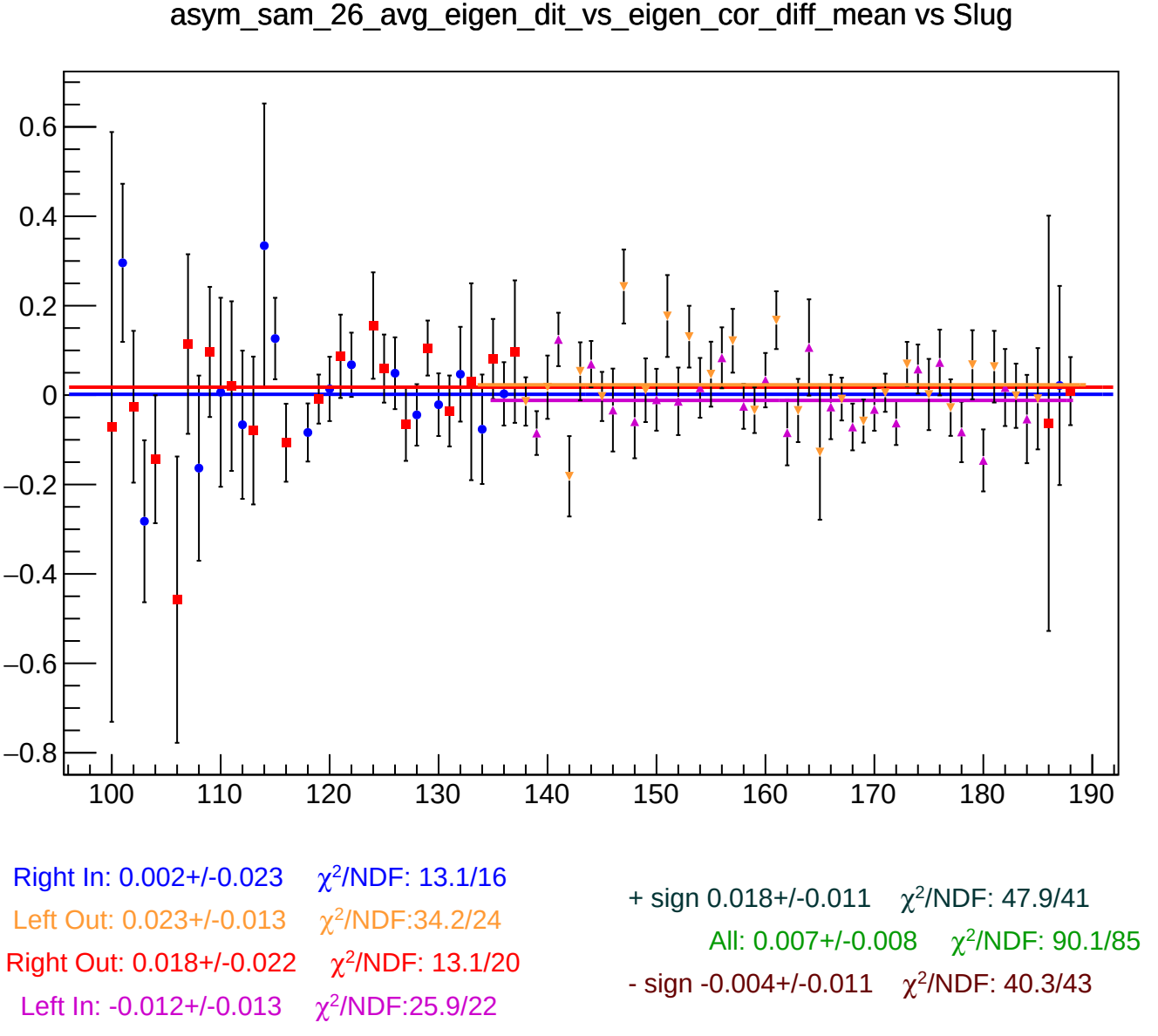
Right Out: 58.683+/-0.016 χ^2/NDF: 3105798.4/20

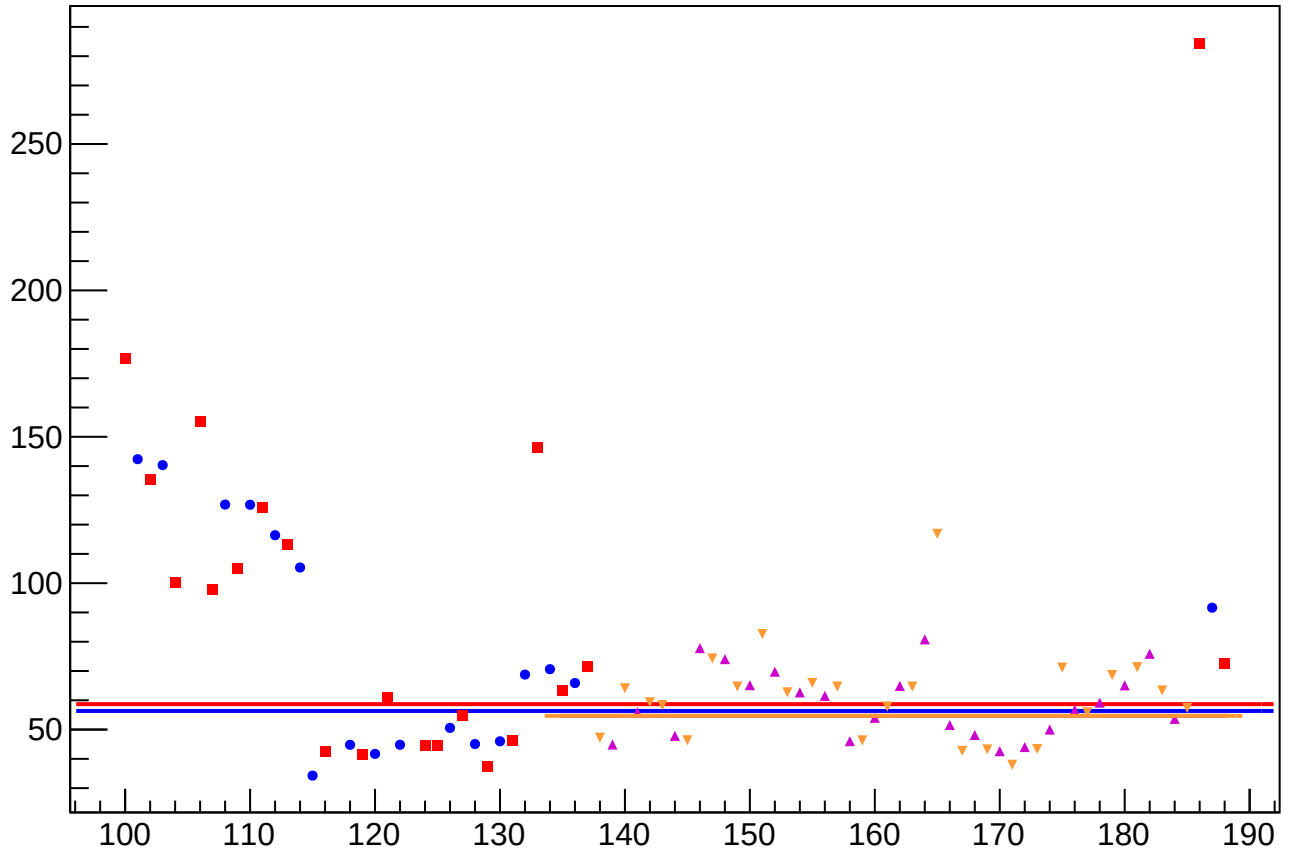
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.080+/-0.008 χ^2/NDF: 4174885.6/41

All: 55.398+/-0.006 χ^2/NDF: 8521596.0/85

- sign 55.722+/-0.008 χ^2/NDF: 4343517.0/43


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.023 χ²/NDF: 13.1/16
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: 0.018+/-0.022 χ²/NDF: 13.1/20
Left In: -0.012+/-0.013 χ²/NDF:25.9/22
+ sign 0.018+/-0.011 χ²/NDF: 47.9/41
All: 0.007+/-0.008 χ²/NDF: 90.1/85
- sign -0.004+/-0.011 χ²/NDF: 40.3/43



Right In: 56.358+/-0.016 χ^2/NDF: 2230455.6/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

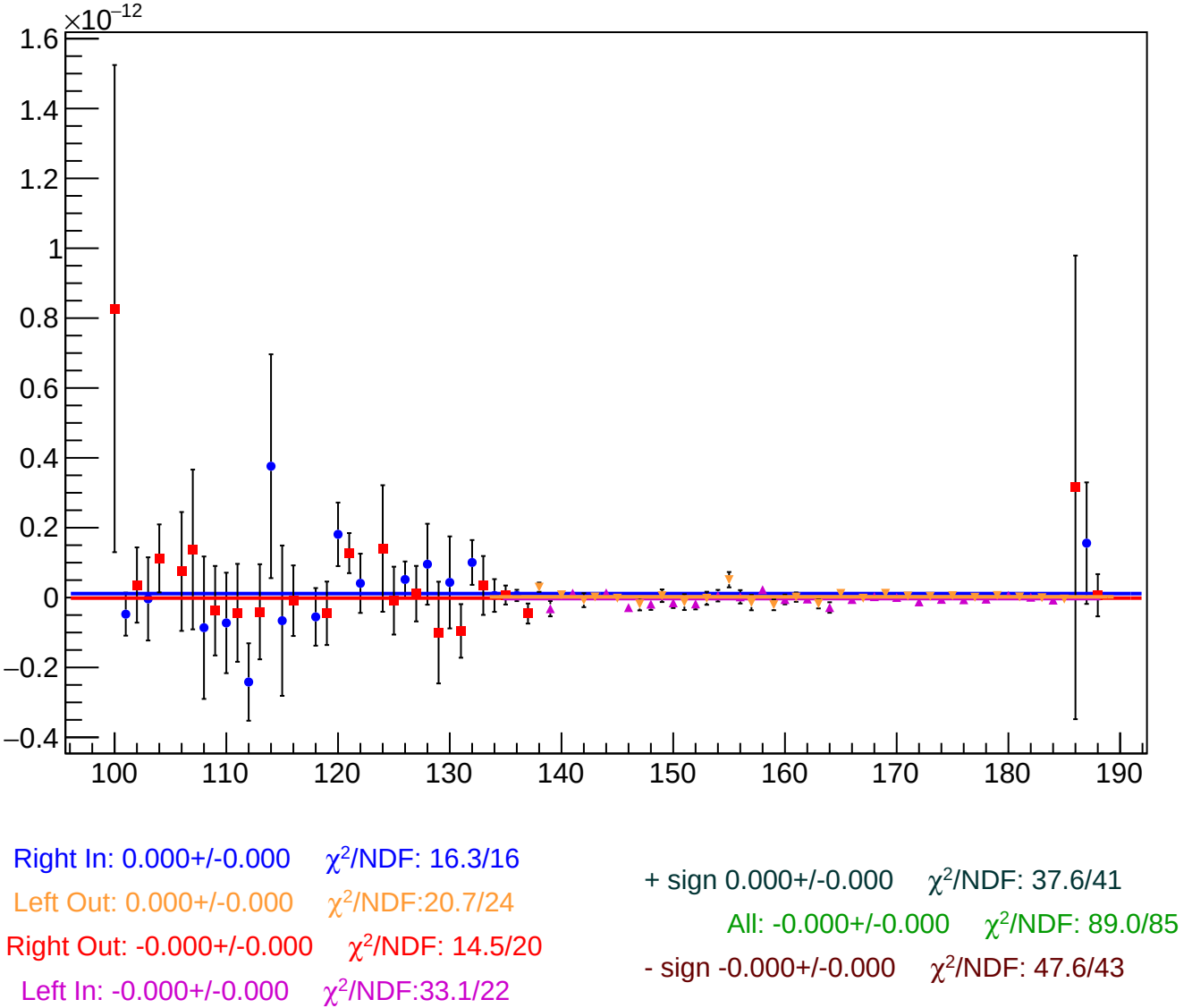
Right Out: 58.683+/-0.016 χ^2/NDF: 3105798.4/20

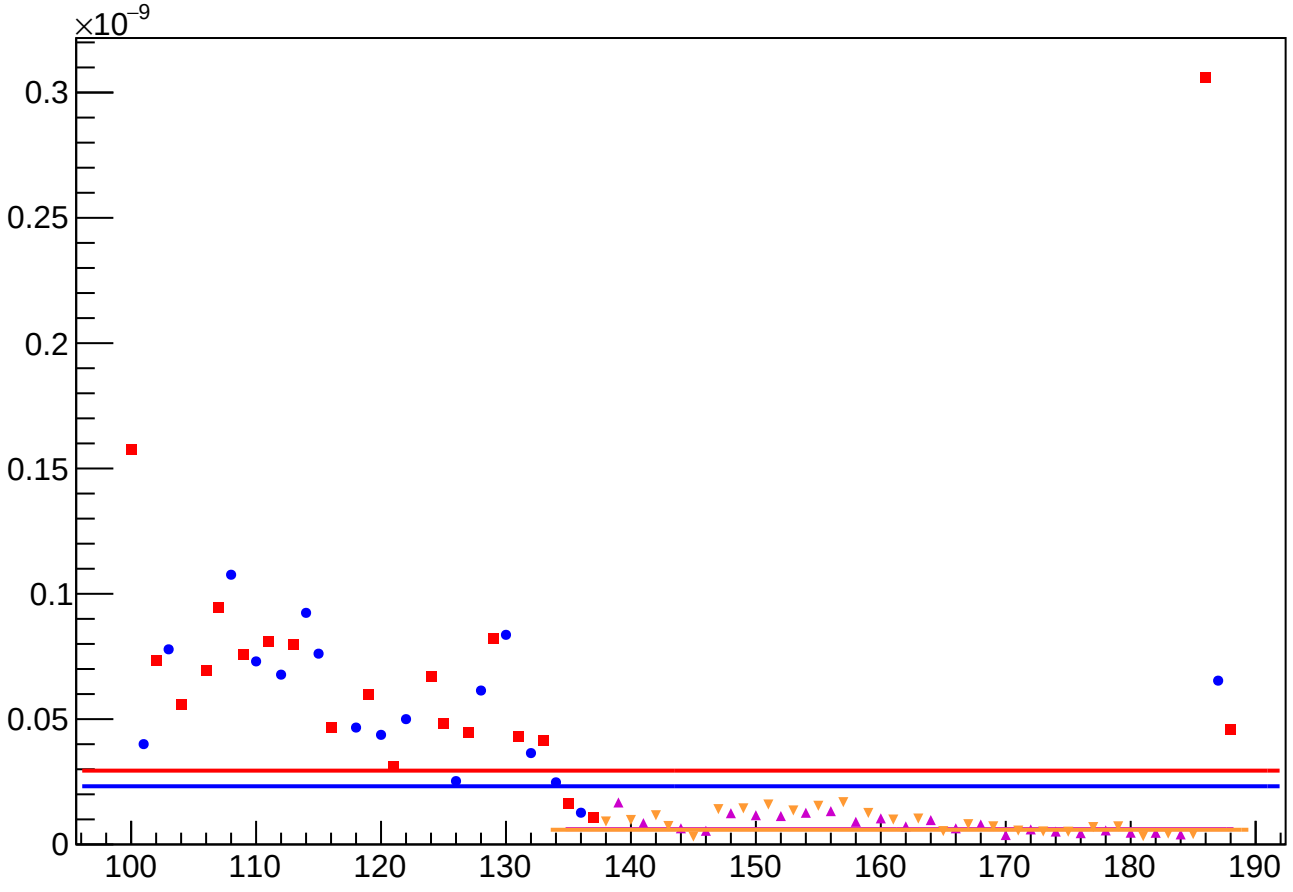
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.080+/-0.008 χ^2/NDF: 4174885.6/41

All: 55.398+/-0.006 χ^2/NDF: 8521596.0/85

- sign 55.722+/-0.008 χ^2/NDF: 4343517.0/43


asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.3/16
Left Out: 0.000+/-0.000 χ²/NDF:20.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 14.5/20
Left In: -0.000+/-0.000 χ²/NDF:33.1/22
+ sign 0.000+/-0.000 χ²/NDF: 37.6/41
All: -0.000+/-0.000 χ²/NDF: 89.0/85
- sign -0.000+/-0.000 χ²/NDF: 47.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 3850024.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4326004.6/20

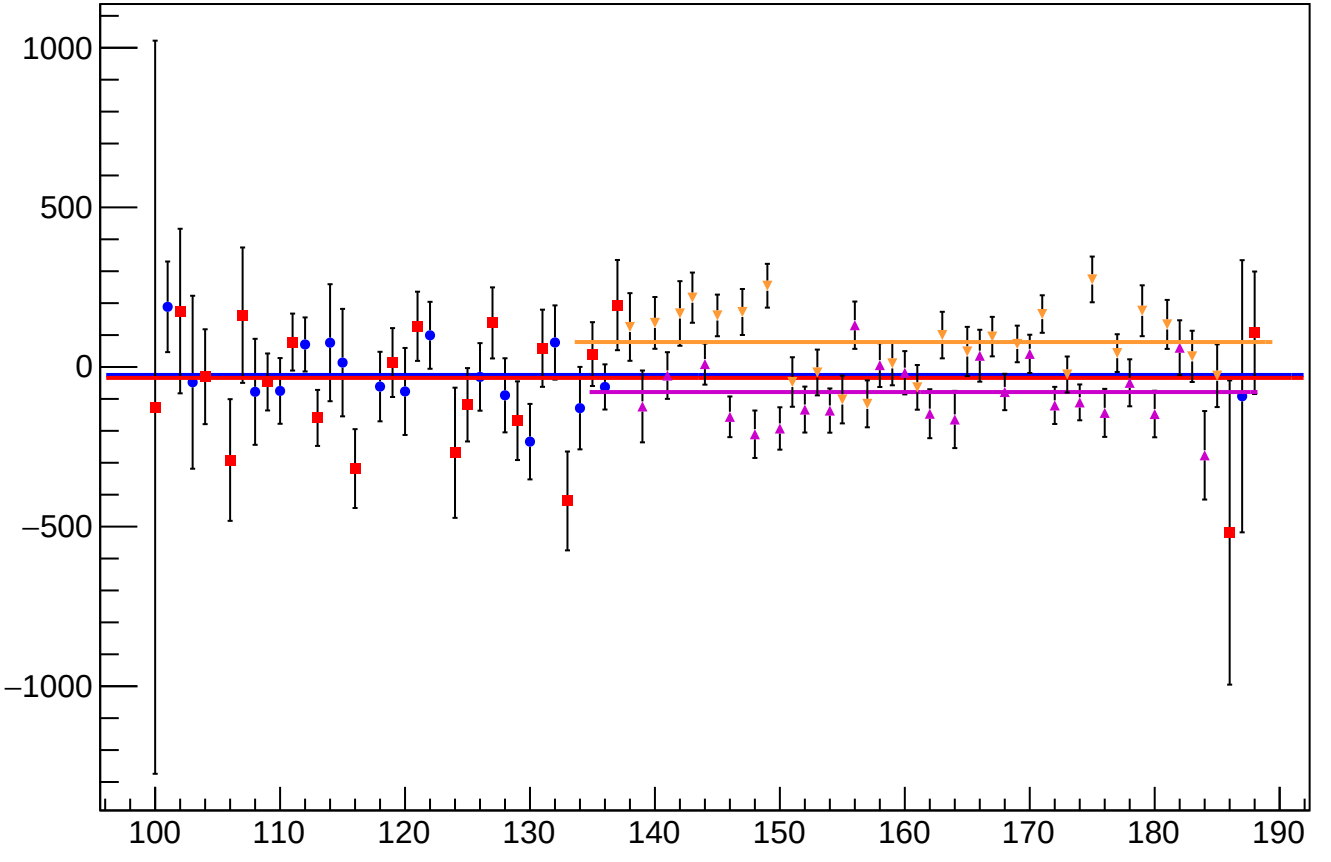
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12921565.9/41

All: 0.000+/-0.000 χ^2/NDF: 25331671.8/85

- sign 0.000+/-0.000 χ^2/NDF: 12386445.9/43

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.939+/-28.846 χ^2/NDF: 11.0/16

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -34.198+/-28.098 χ^2/NDF: 31.7/20

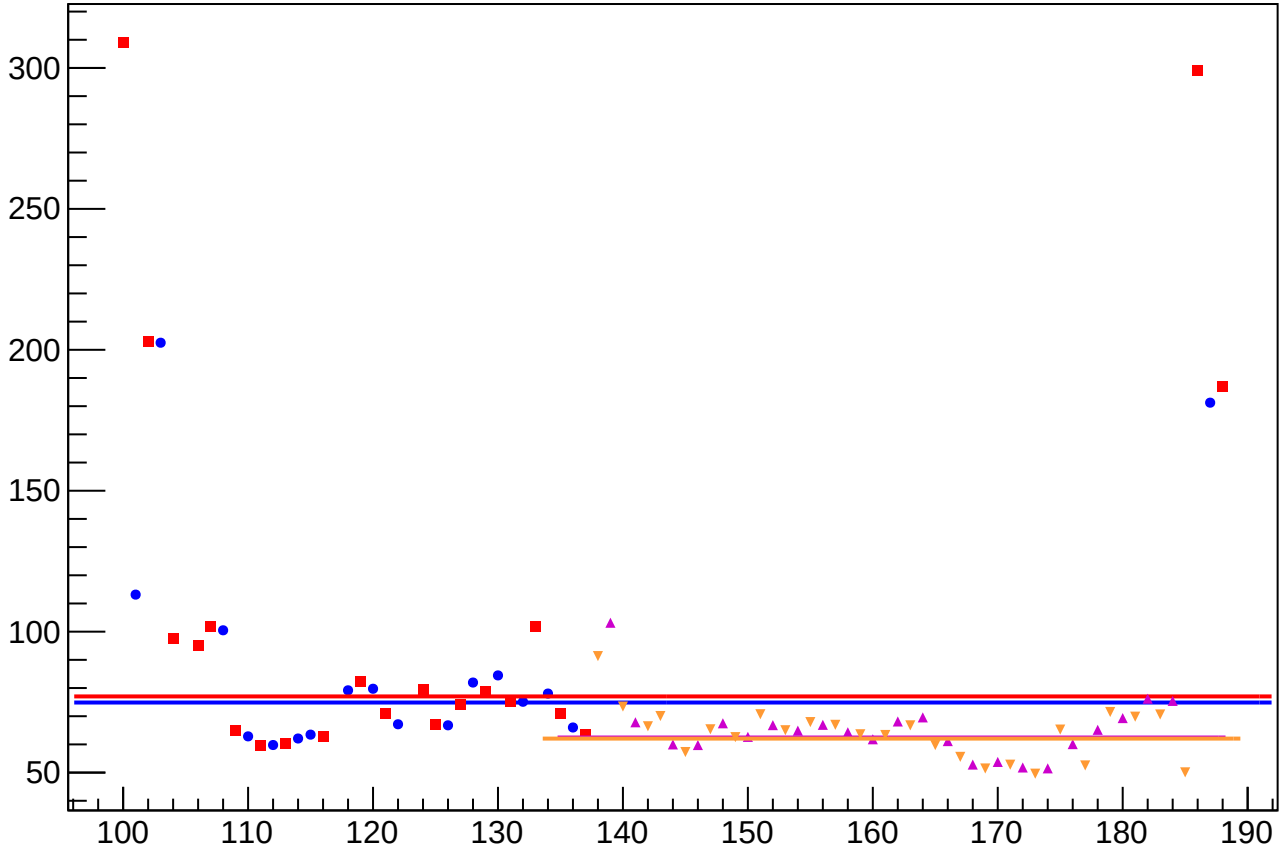
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.762+/-12.830 χ^2/NDF: 75.2/41

All: -4.227+/-9.167 χ^2/NDF: 193.1/85

- sign -68.872+/-13.102 χ^2/NDF: 70.3/43

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.858+/-0.020 χ^2/NDF: 952720.5/16

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 77.024+/-0.020 χ^2/NDF: 2048417.8/20

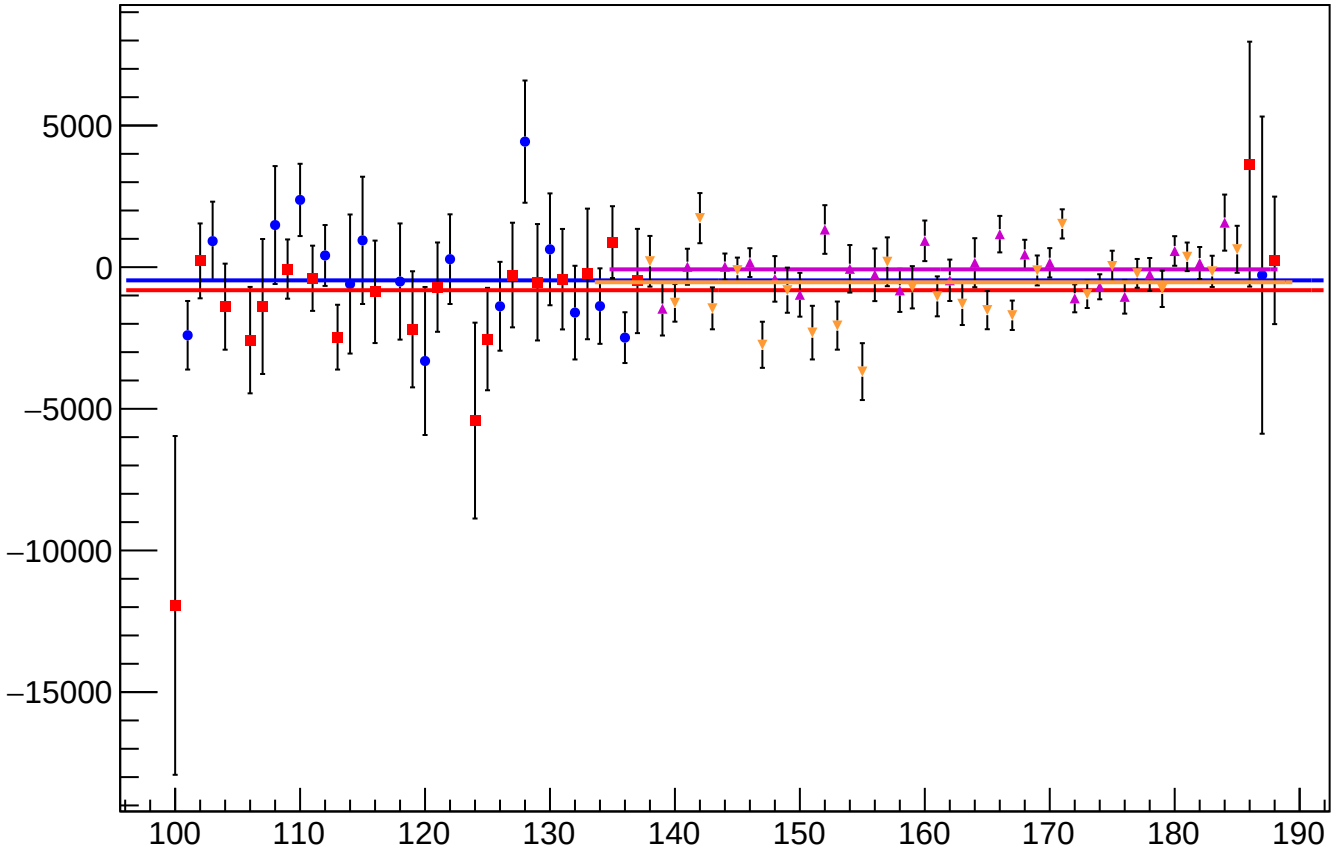
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.594+/-0.009 χ^2/NDF: 1954928.0/41

All: 65.094+/-0.006 χ^2/NDF: 5095554.3/85

- sign 65.615+/-0.009 χ^2/NDF: 3134423.6/43

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -465.697+/-374.192 χ^2/NDF: 23.7/16

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -813.529+/-365.929 χ^2/NDF: 14.4/20

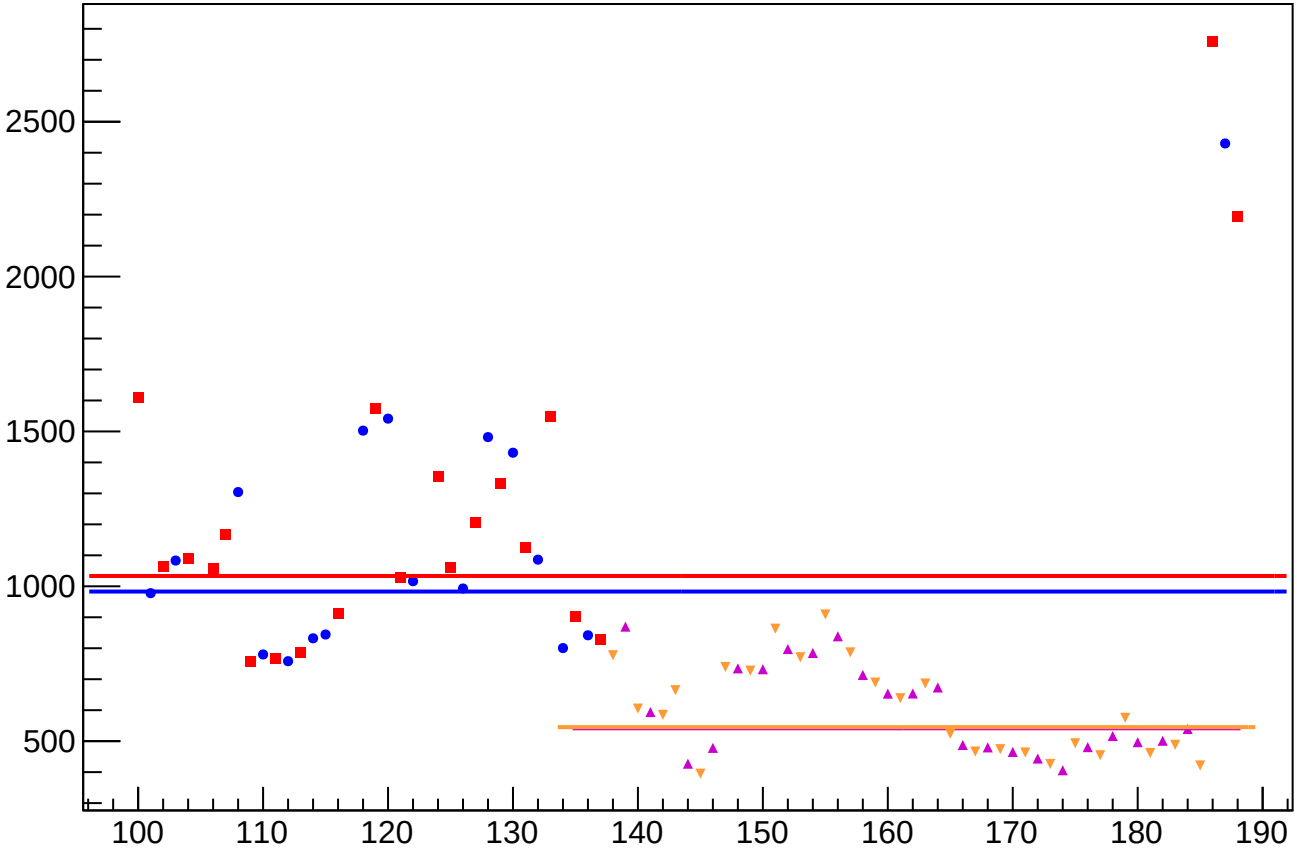
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -525.759+/-121.048 χ^2/NDF: 92.8/41

All: -345.576+/-86.194 χ^2/NDF: 143.6/85

- sign -160.246+/-122.765 χ^2/NDF: 46.3/43

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 983.076+/-0.265 χ^2/NDF: 870781.2/16

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1033.340+/-0.259 χ^2/NDF: 1595813.9/20

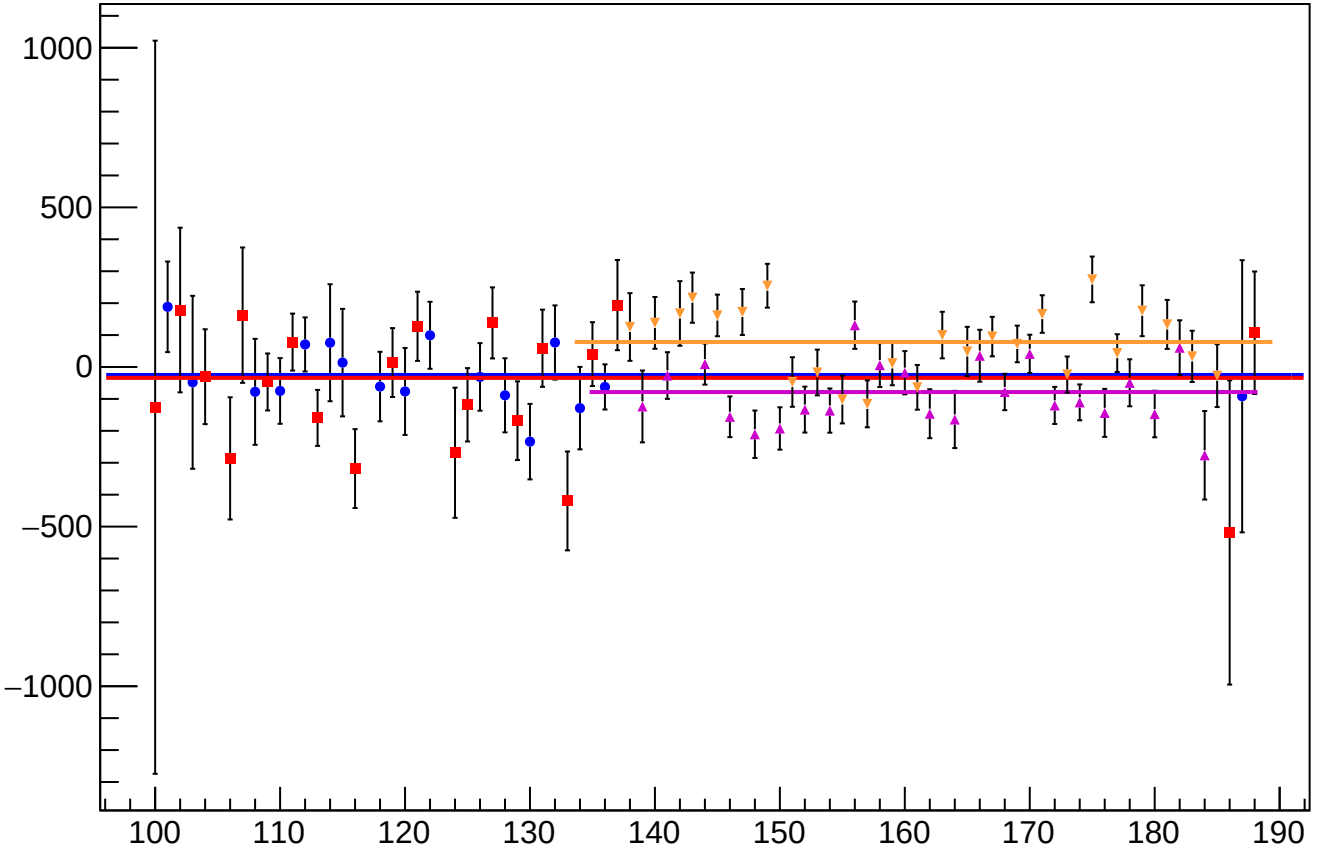
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 591.116+/-0.086 χ^2/NDF: 5405400.2/41

All: 593.928+/-0.061 χ^2/NDF: 12050761.5/85

- sign 596.820+/-0.087 χ^2/NDF: 6643171.9/43

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.947+/-28.846 χ^2/NDF: 11.0/16

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -34.003+/-28.100 χ^2/NDF: 31.6/20

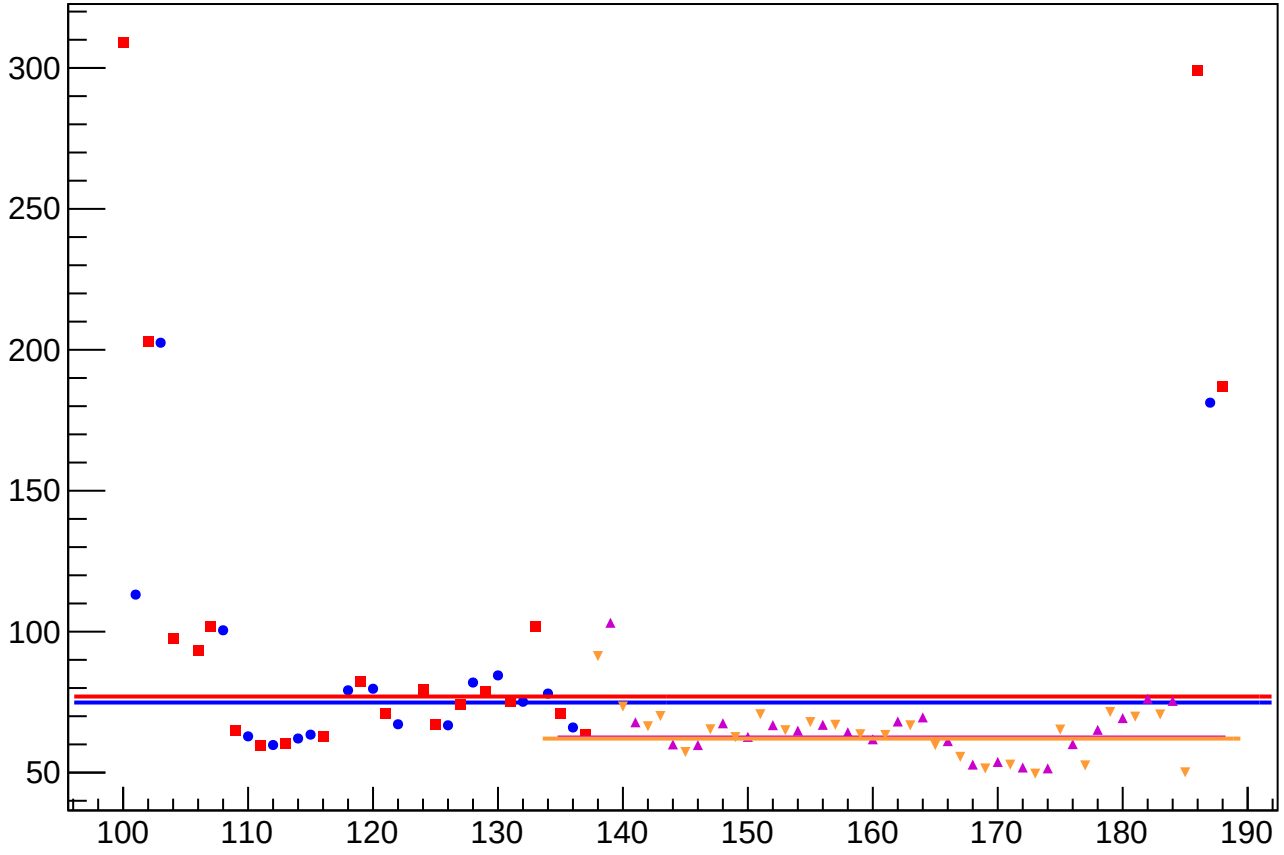
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.764+/-12.830 χ^2/NDF: 75.2/41

All: -4.205+/-9.167 χ^2/NDF: 193.0/85

- sign -68.831+/-13.103 χ^2/NDF: 70.2/43

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.858+/-0.020 χ^2/NDF: 952722.6/16

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 76.984+/-0.020 χ^2/NDF: 2045291.3/20

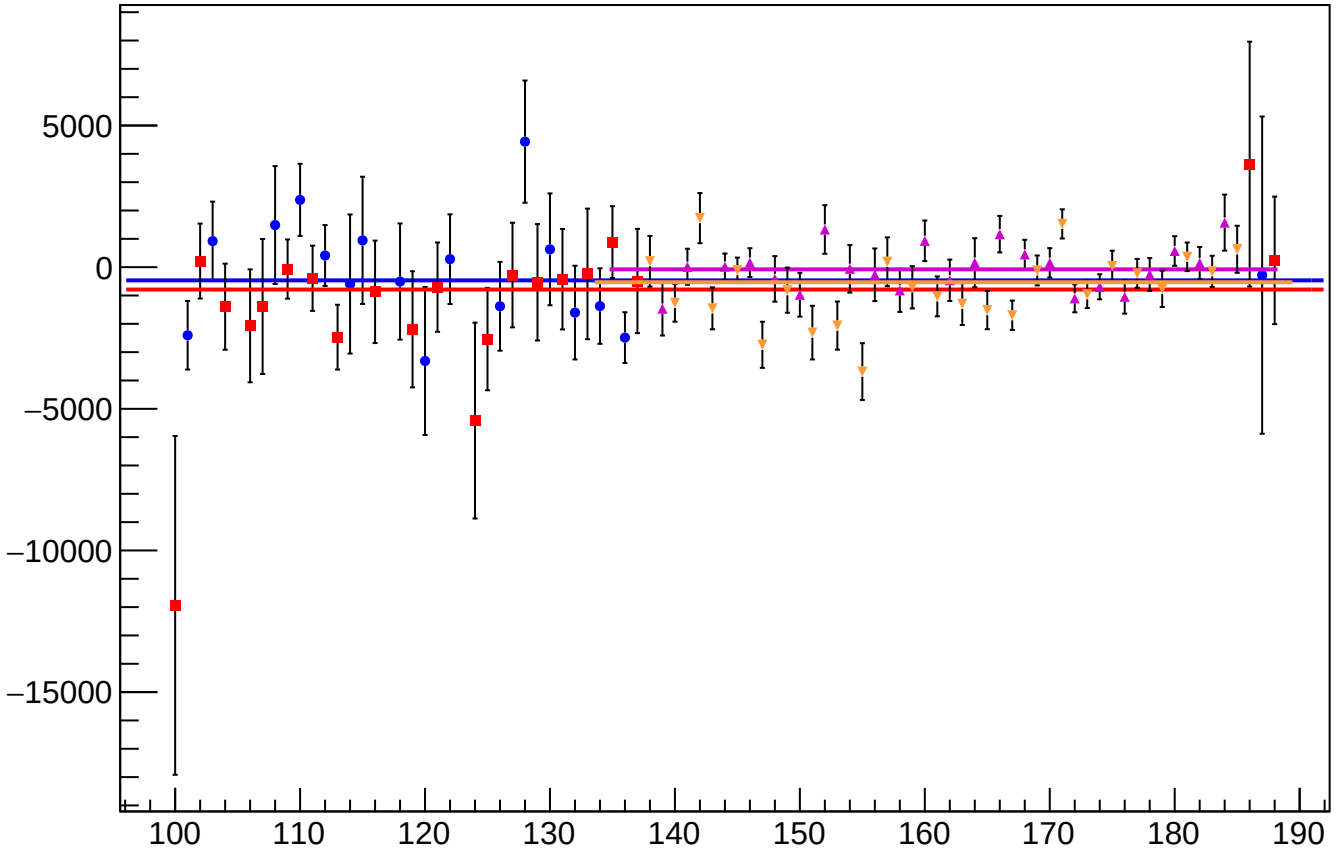
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.594+/-0.009 χ^2/NDF: 1954929.8/41

All: 65.089+/-0.006 χ^2/NDF: 5089933.6/85

- sign 65.606+/-0.009 χ^2/NDF: 3128912.7/43

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -465.683+/-374.194 χ^2/NDF: 23.7/16

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -789.490+/-366.740 χ^2/NDF: 13.9/20

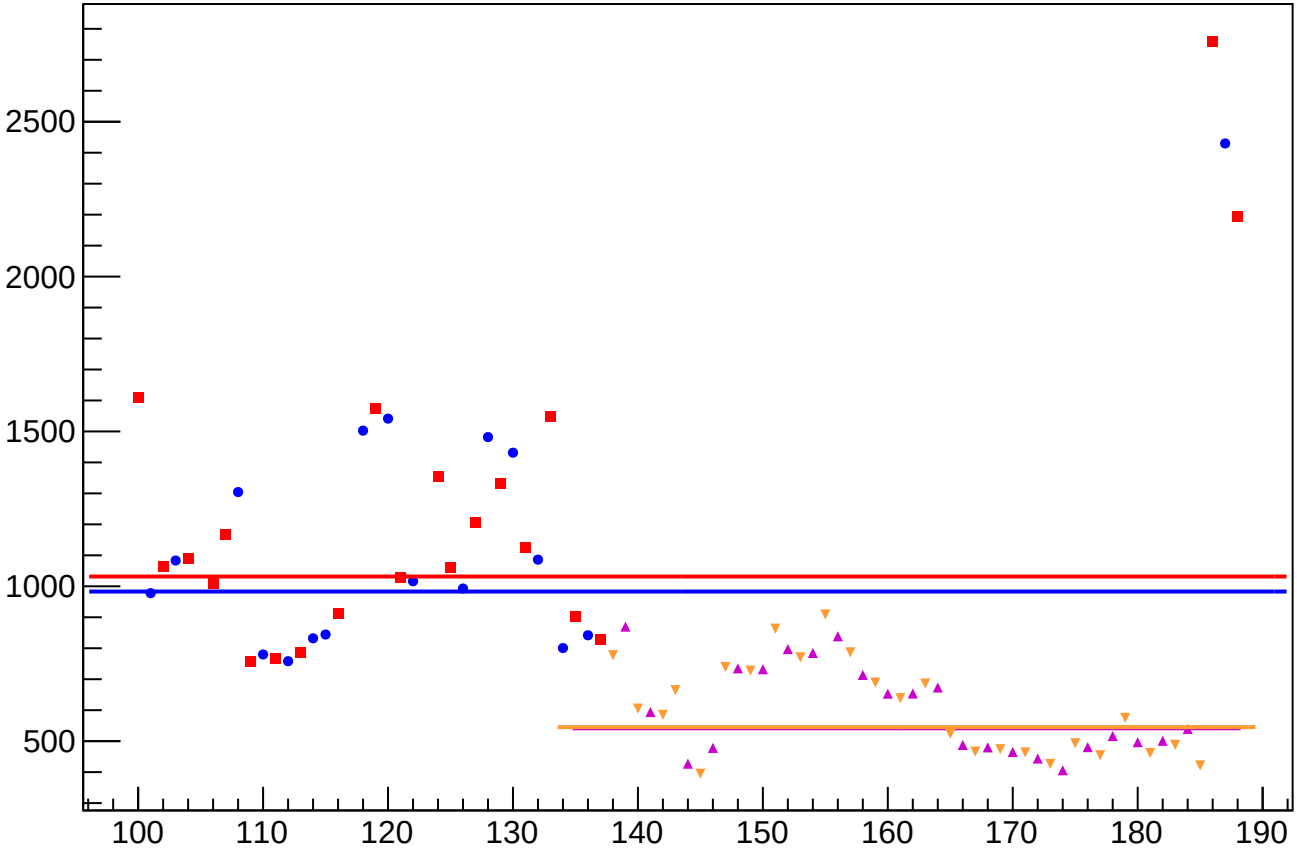
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -525.755+/-121.048 χ^2/NDF: 92.8/41

All: -344.131+/-86.205 χ^2/NDF: 143.0/85

- sign -157.226+/-122.795 χ^2/NDF: 45.6/43

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 983.082+/-0.265 χ^2/NDF: 870803.4/16

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1031.664+/-0.259 χ^2/NDF: 1595792.5/20

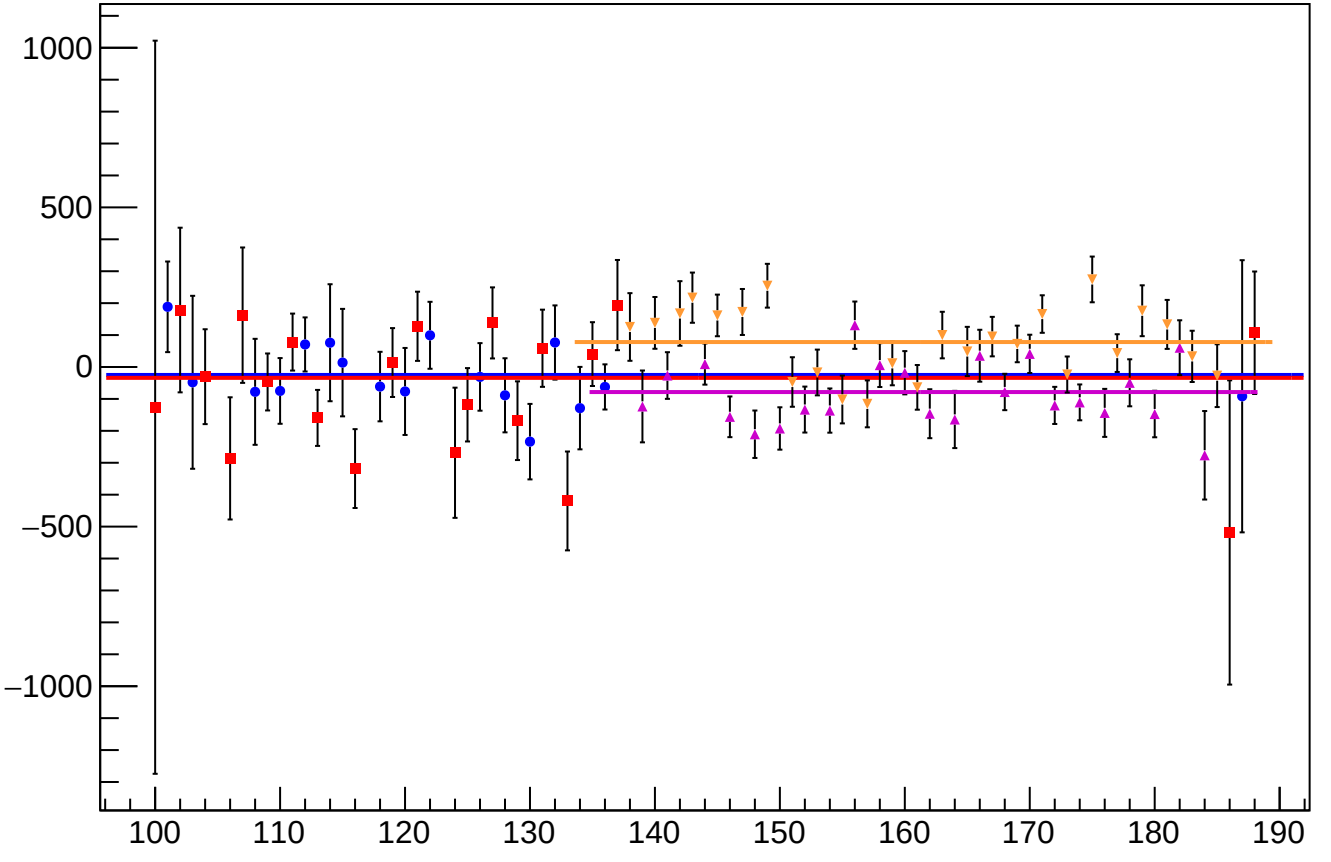
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 591.116+/-0.086 χ^2/NDF: 5405455.0/41

All: 593.727+/-0.061 χ^2/NDF: 12016180.1/85

- sign 596.415+/-0.087 χ^2/NDF: 6608836.0/43

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.947+/-28.846 χ^2/NDF: 11.0/16

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -34.003+/-28.100 χ^2/NDF: 31.6/20

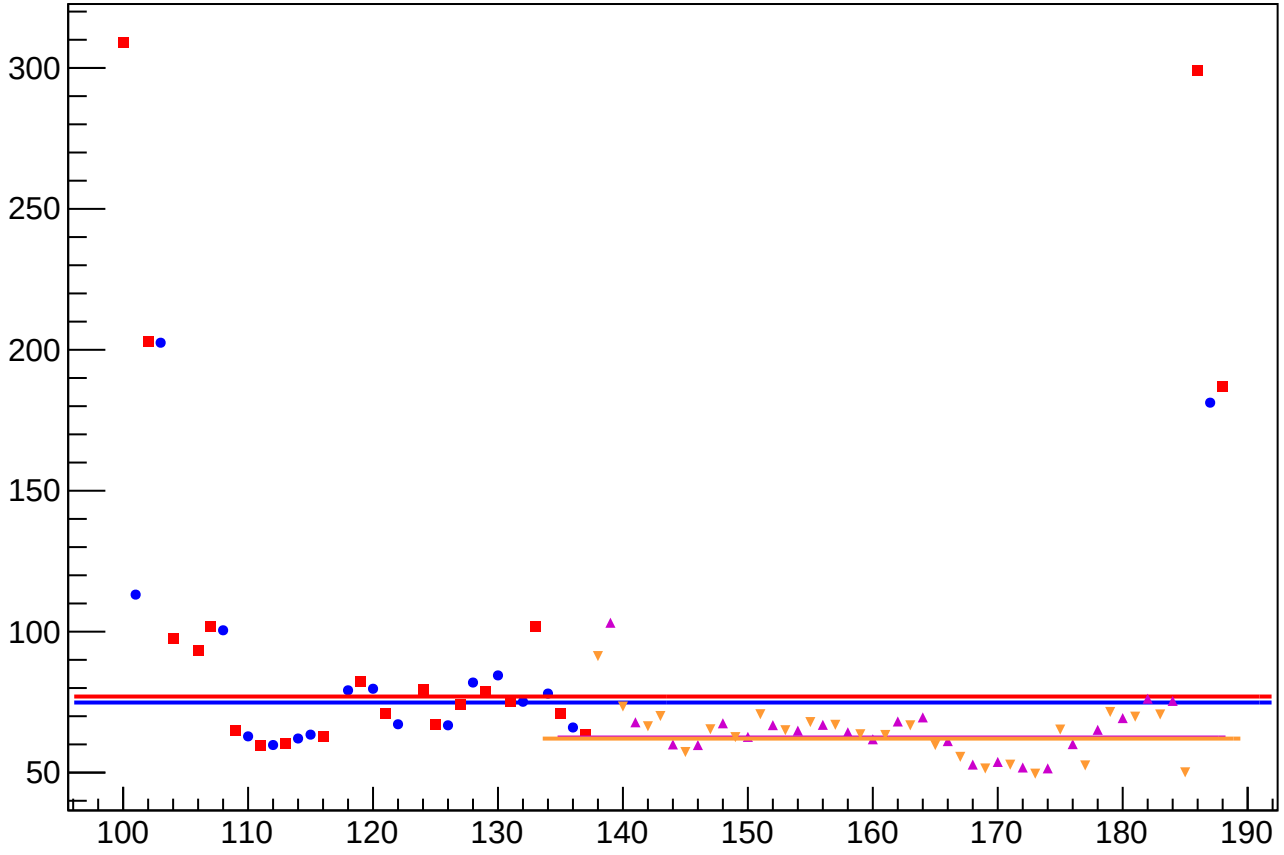
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.764+/-12.830 χ^2/NDF: 75.2/41

All: -4.205+/-9.167 χ^2/NDF: 193.0/85

- sign -68.831+/-13.103 χ^2/NDF: 70.2/43

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.858+/-0.020 χ^2/NDF: 952722.6/16

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

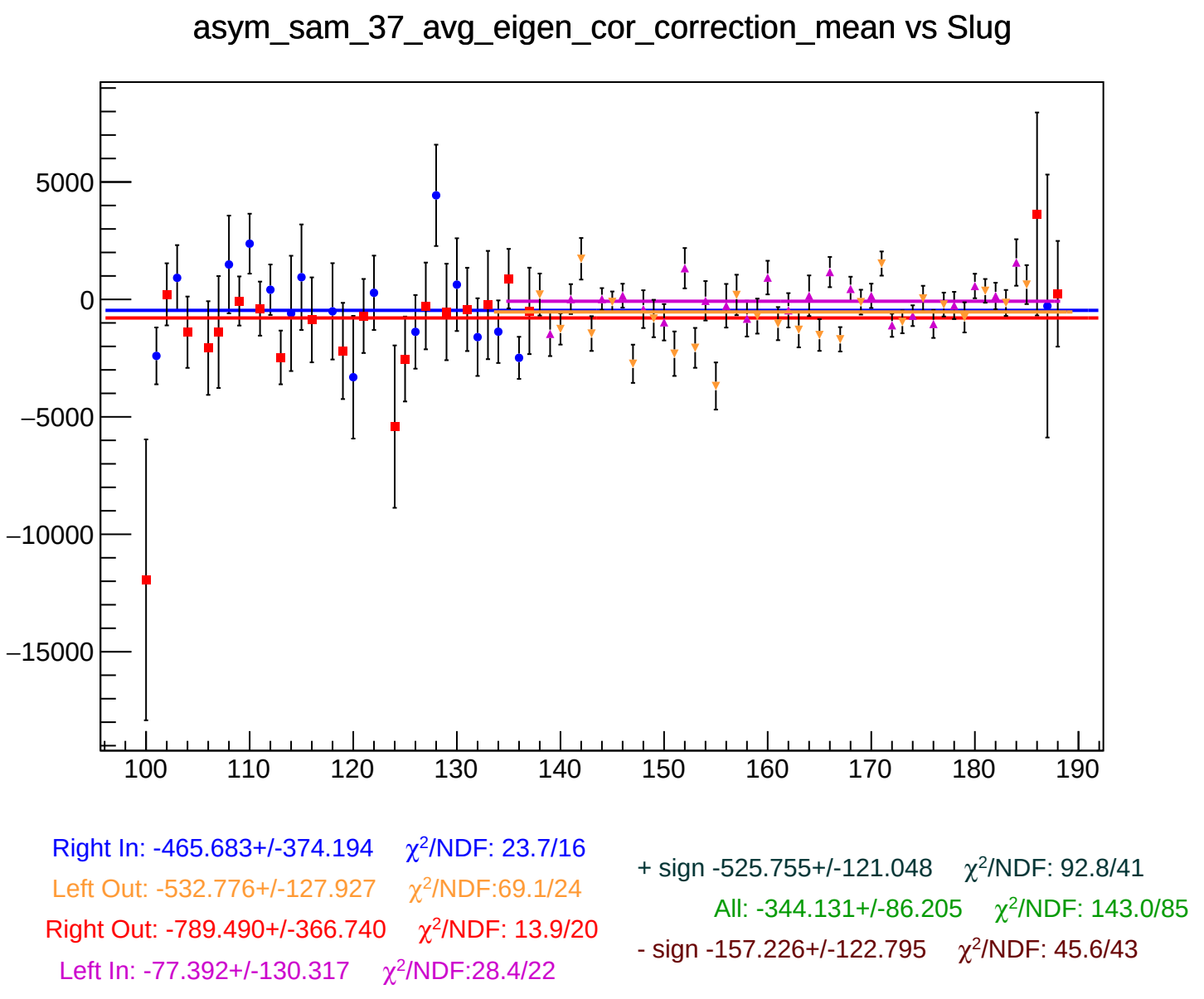
Right Out: 76.984+/-0.020 χ^2/NDF: 2045291.3/20

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.594+/-0.009 χ^2/NDF: 1954929.8/41

All: 65.089+/-0.006 χ^2/NDF: 5089933.6/85

- sign 65.606+/-0.009 χ^2/NDF: 3128912.7/43



Right In: -465.683+/-374.194 χ^2/NDF: 23.7/16

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -789.490+/-366.740 χ^2/NDF: 13.9/20

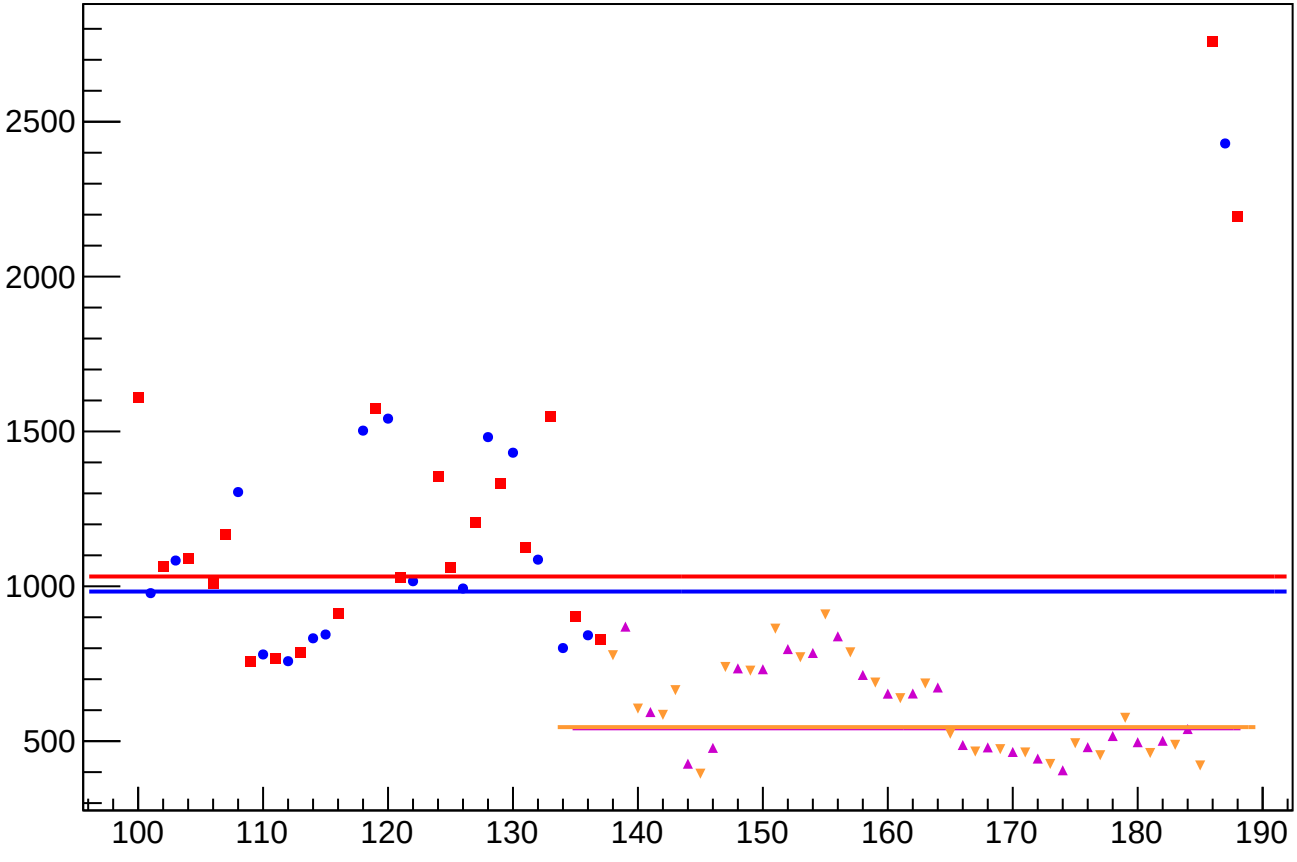
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -525.755+/-121.048 χ^2/NDF: 92.8/41

All: -344.131+/-86.205 χ^2/NDF: 143.0/85

- sign -157.226+/-122.795 χ^2/NDF: 45.6/43

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



Right In: 983.082+/-0.265 χ^2/NDF: 870803.4/16

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1031.664+/-0.259 χ^2/NDF: 1595792.5/20

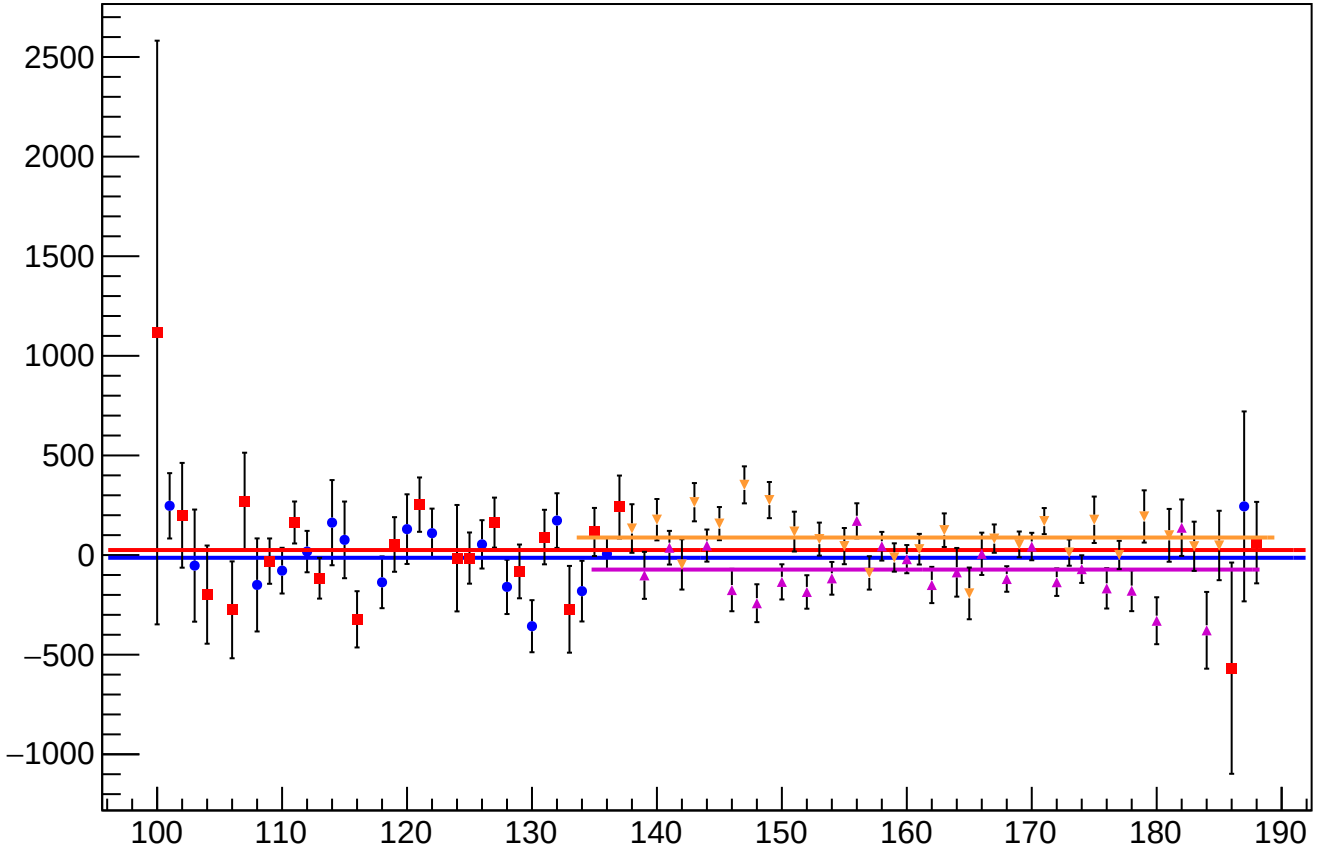
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 591.116+/-0.086 χ^2/NDF: 5405455.0/41

All: 593.727+/-0.061 χ^2/NDF: 12016180.1/85

- sign 596.415+/-0.087 χ^2/NDF: 6608836.0/43

dit_asym_sam_37_avg_mean vs Slug



Right In: -13.659+/-33.676 χ^2/NDF: 18.5/16

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 25.240+/-33.542 χ^2/NDF: 24.9/20

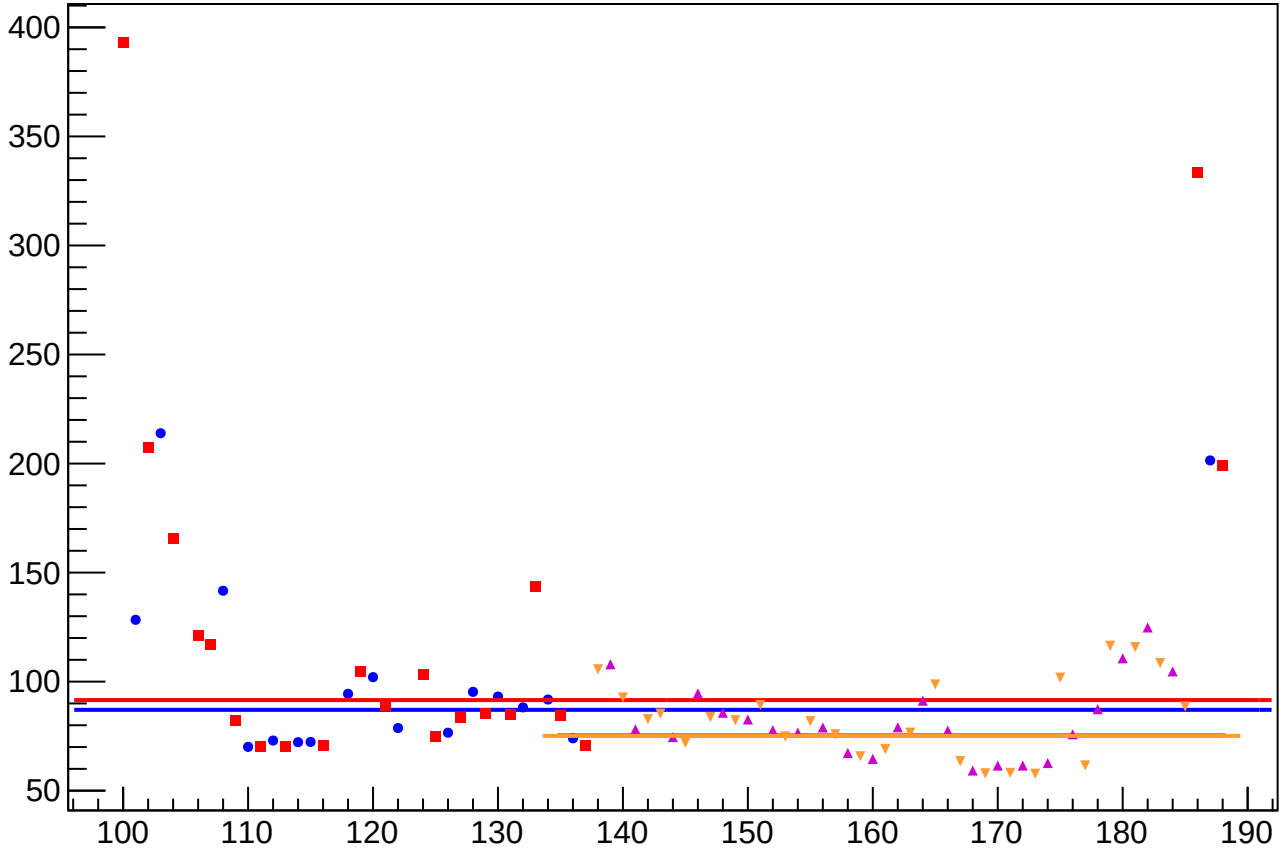
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 65.940+/-15.699 χ^2/NDF: 62.6/41

All: 9.054+/-11.222 χ^2/NDF: 159.4/85

- sign -50.395+/-16.048 χ^2/NDF: 69.9/43

dit_asym_sam_37_avg_rms vs Slug



Right In: 87.063+/-0.024 χ^2/NDF: 971970.3/16

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 91.538+/-0.024 χ^2/NDF: 2125533.1/20

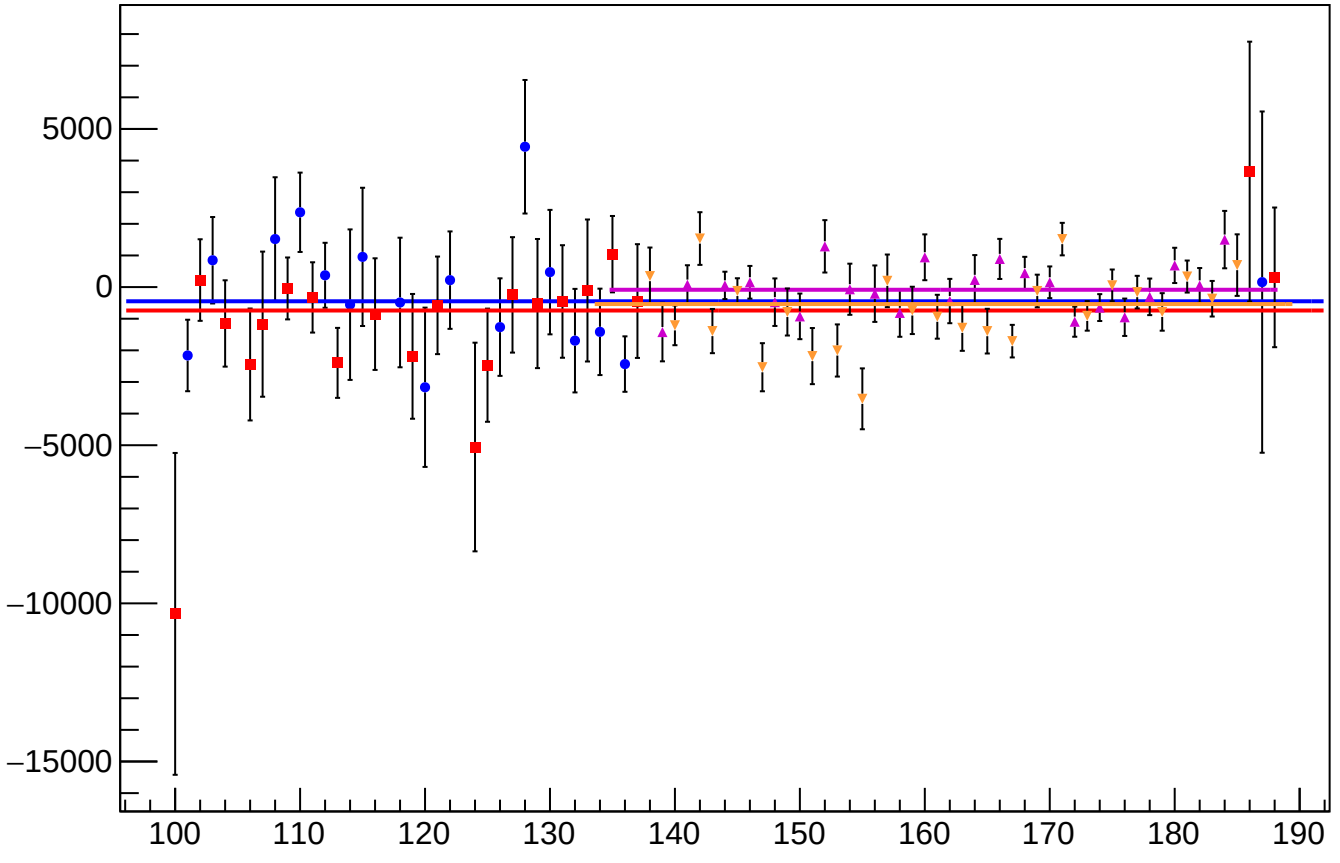
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 77.721+/-0.011 χ^2/NDF: 2770038.2/41

All: 78.379+/-0.008 χ^2/NDF: 6486677.9/85

- sign 79.066+/-0.011 χ^2/NDF: 3709469.4/43

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -448.598+/-364.769 χ^2/NDF: 23.7/16

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -740.362+/-351.958 χ^2/NDF: 15.0/20

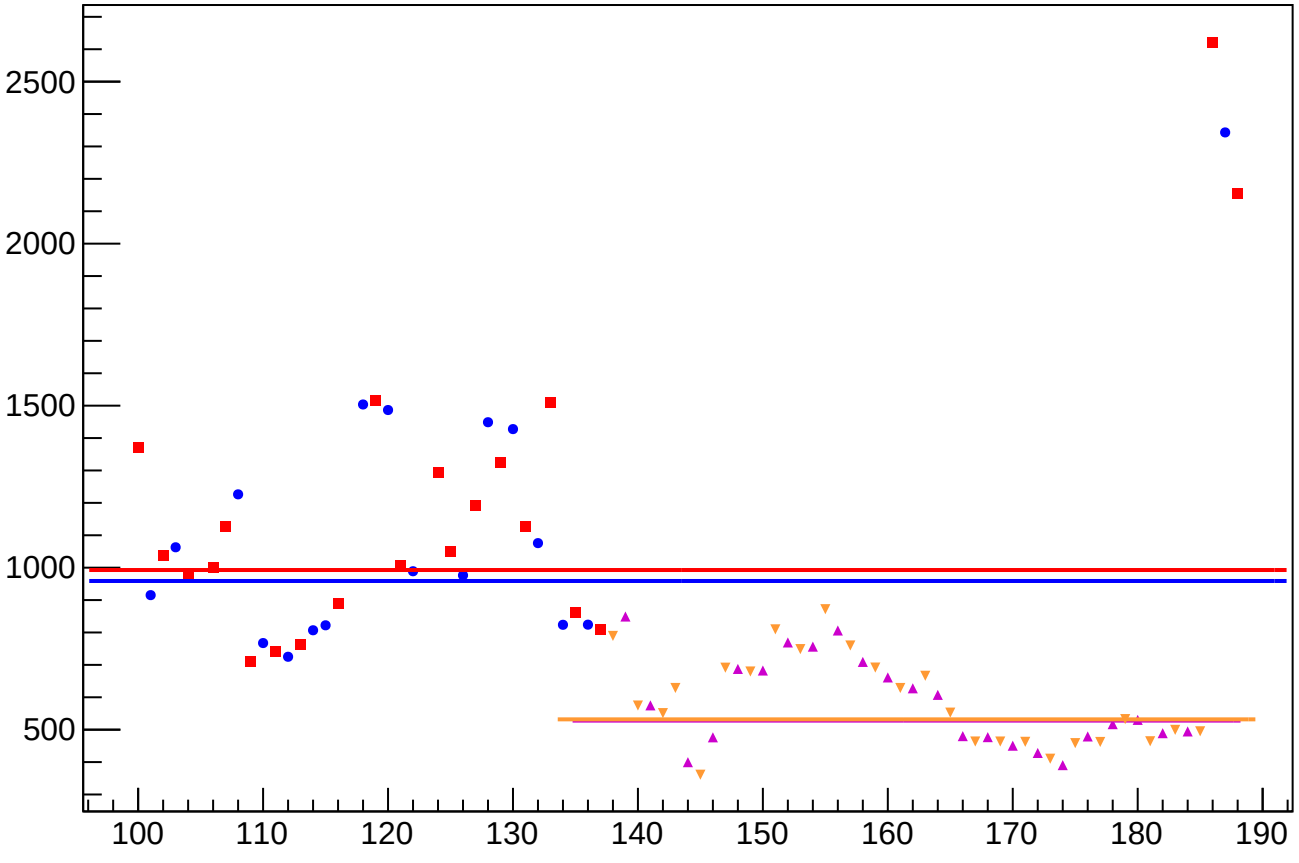
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -527.591+/-117.802 χ^2/NDF: 90.8/41

All: -346.539+/-83.890 χ^2/NDF: 141.2/85

- sign -160.248+/-119.493 χ^2/NDF: 45.6/43

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 958.908+/-0.258 χ^2/NDF: 878630.6/16

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 992.768+/-0.249 χ^2/NDF: 1648358.7/20

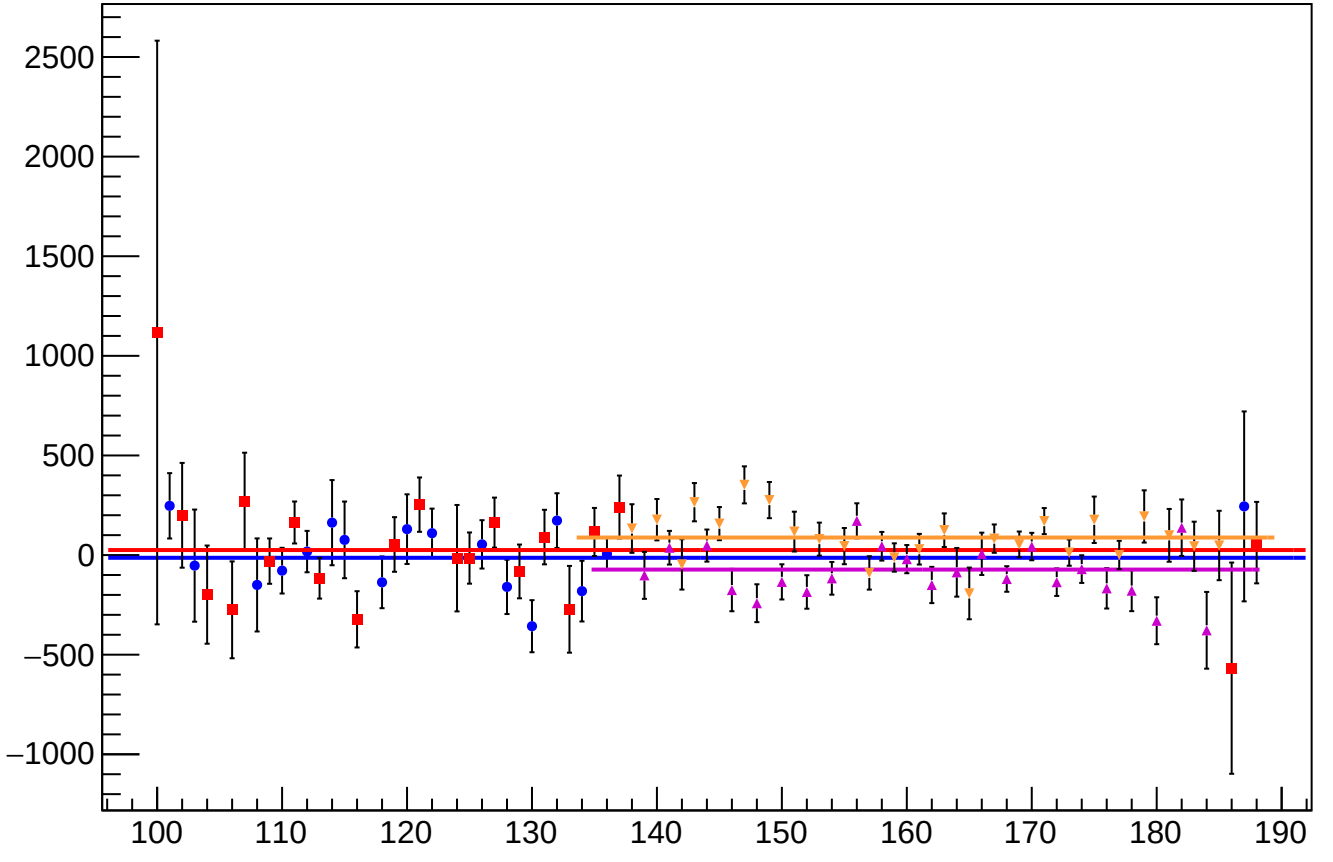
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 576.410+/-0.083 χ^2/NDF: 5371585.6/41

All: 578.948+/-0.059 χ^2/NDF: 11908022.8/85

- sign 581.560+/-0.084 χ^2/NDF: 6534553.6/43

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -13.659+/-33.677 χ^2/NDF: 18.5/16

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 25.243+/-33.542 χ^2/NDF: 24.9/20

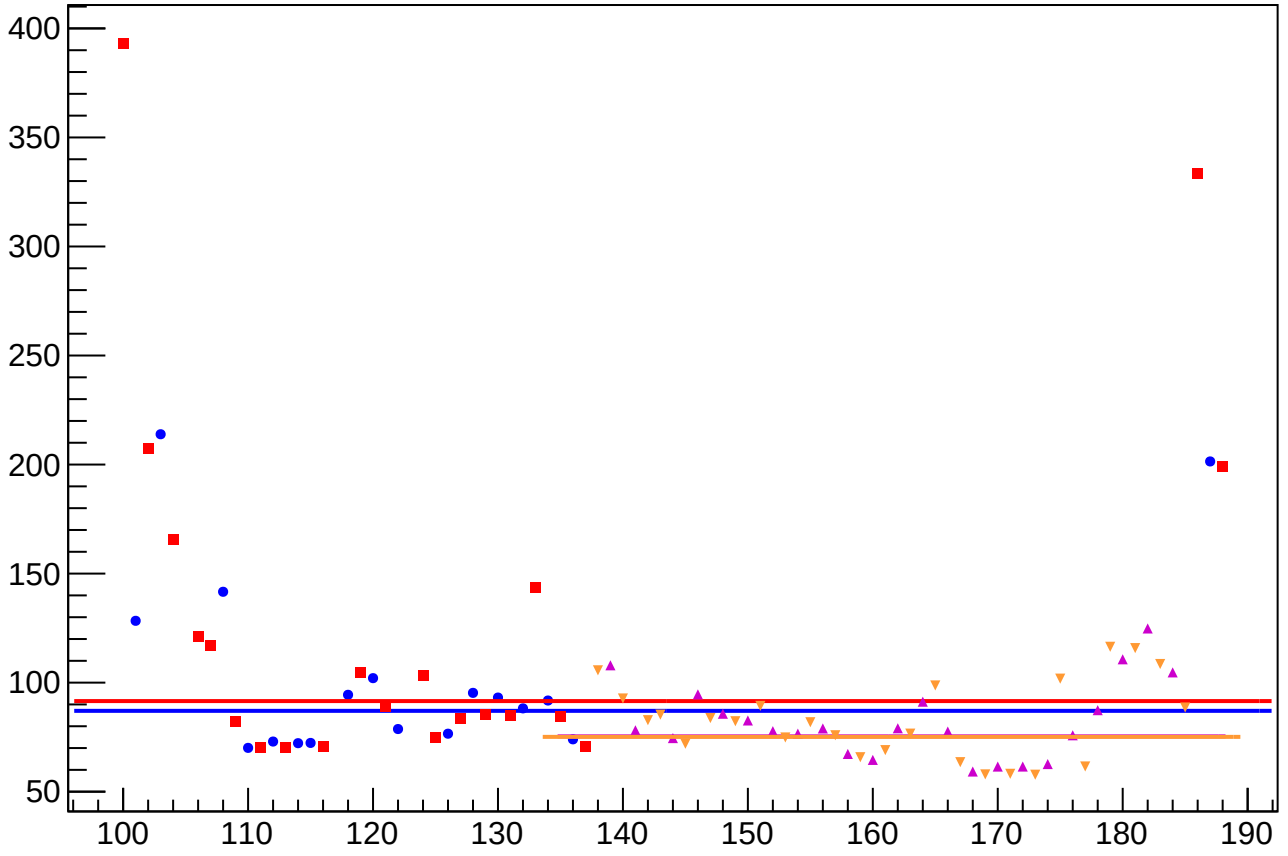
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 65.940+/-15.699 χ^2/NDF: 62.6/41

All: 9.054+/-11.222 χ^2/NDF: 159.4/85

- sign -50.394+/-16.048 χ^2/NDF: 69.9/43

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 87.063+/-0.024 χ^2/NDF: 971963.9/16

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

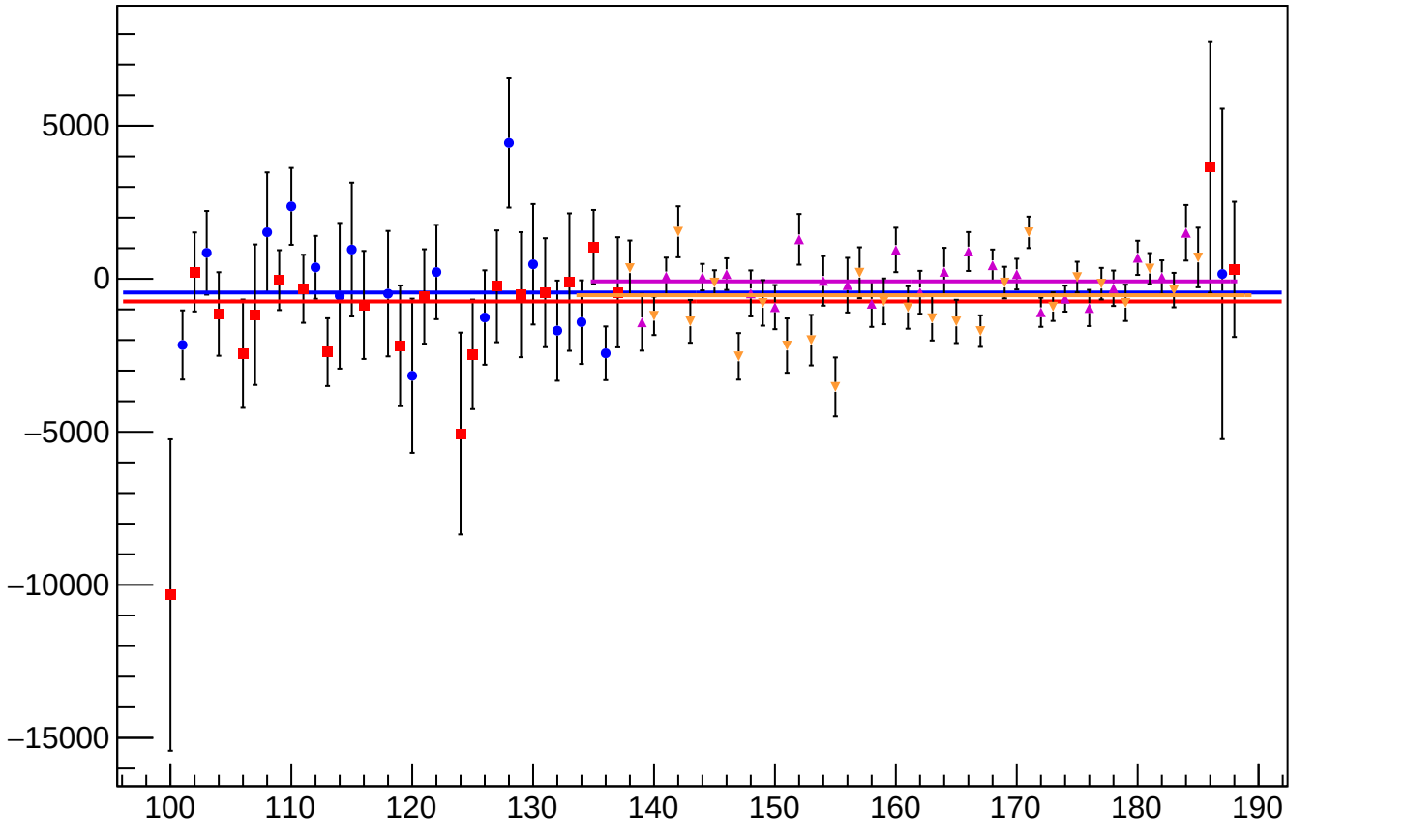
Right Out: 91.538+/-0.024 χ^2/NDF: 2125533.2/20

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 77.722+/-0.011 χ^2/NDF: 2770034.9/41

All: 78.379+/-0.008 χ^2/NDF: 6486683.4/85

- sign 79.066+/-0.011 χ^2/NDF: 3709478.2/43



Right In: -448.596+/-364.768 χ^2/NDF: 23.7/16

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: -740.361+/-351.957 χ^2/NDF: 15.0/20

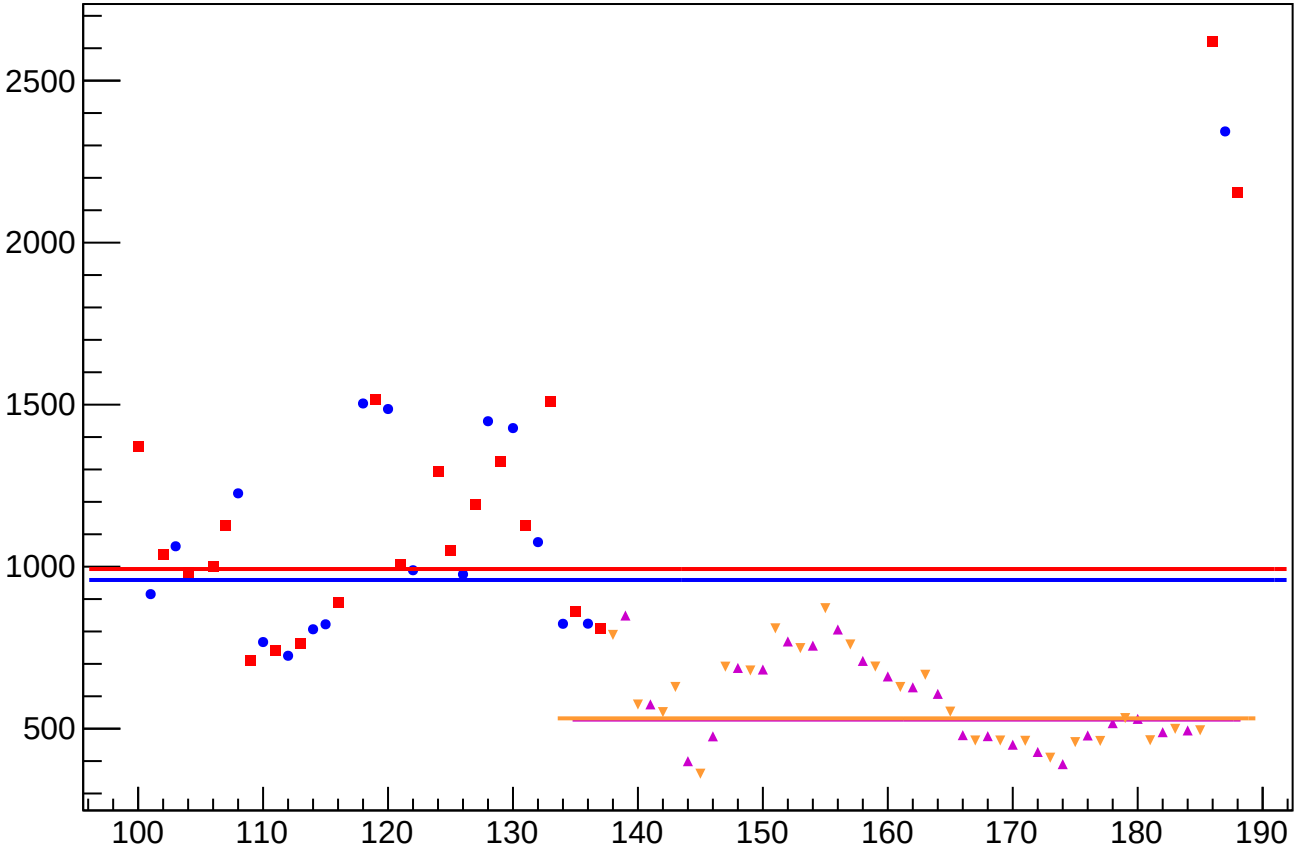
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -527.591+/-117.802 χ^2/NDF: 90.8/41

All: -346.539+/-83.890 χ^2/NDF: 141.2/85

- sign -160.248+/-119.493 χ^2/NDF: 45.6/43

asym_sam_37_avg_eigen_dit_correction_rms vs Slug



Right In: 958.906+/-0.258 χ^2/NDF: 878633.2/16

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 992.766+/-0.249 χ^2/NDF: 1648358.4/20

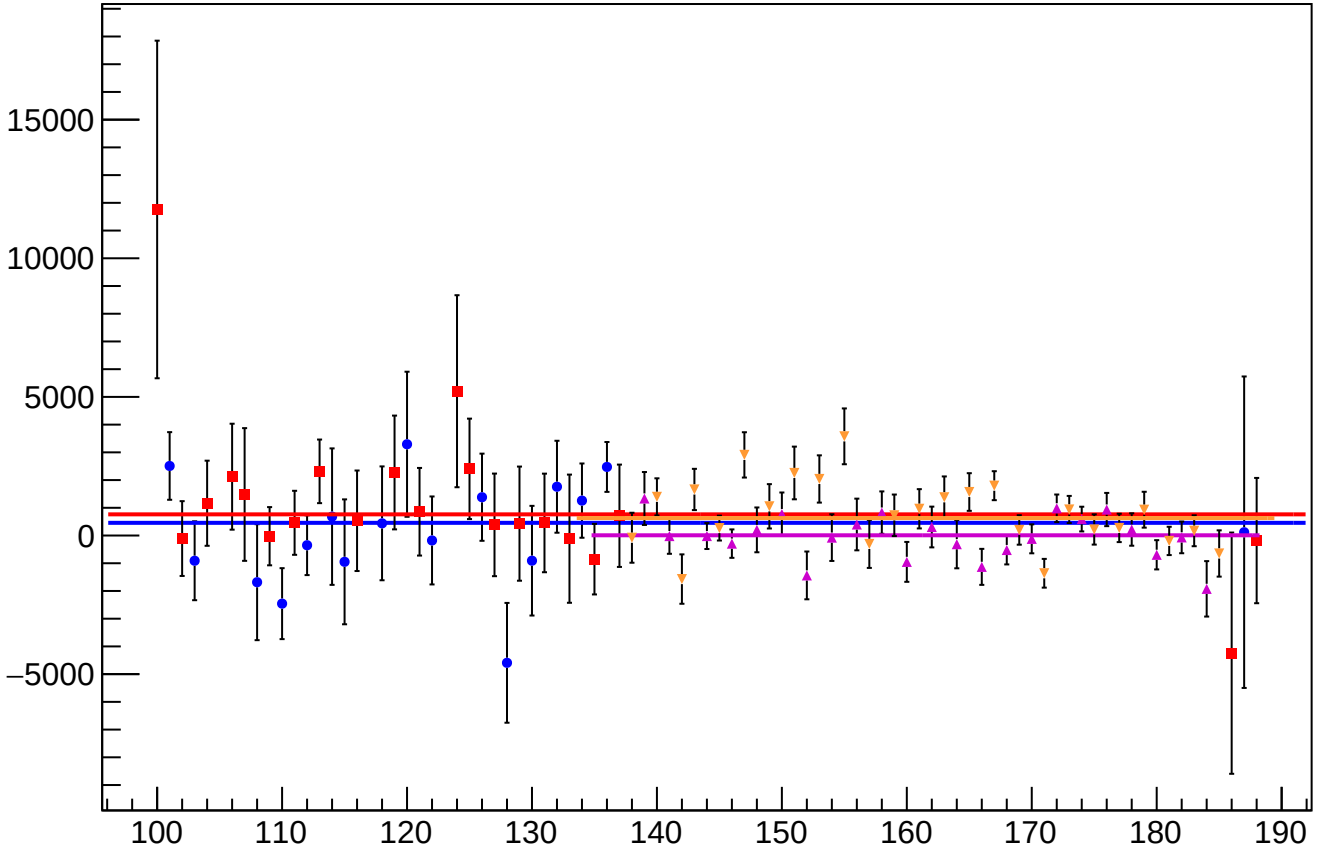
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 576.410+/-0.083 χ^2/NDF: 5371573.6/41

All: 578.948+/-0.059 χ^2/NDF: 11907993.3/85

- sign 581.560+/-0.084 χ^2/NDF: 6534536.0/43

asym_sam_37_avg_mean vs Slug



Right In: 457.615+/-376.028 χ^2/NDF: 24.6/16

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 763.542+/-367.892 χ^2/NDF: 13.2/20

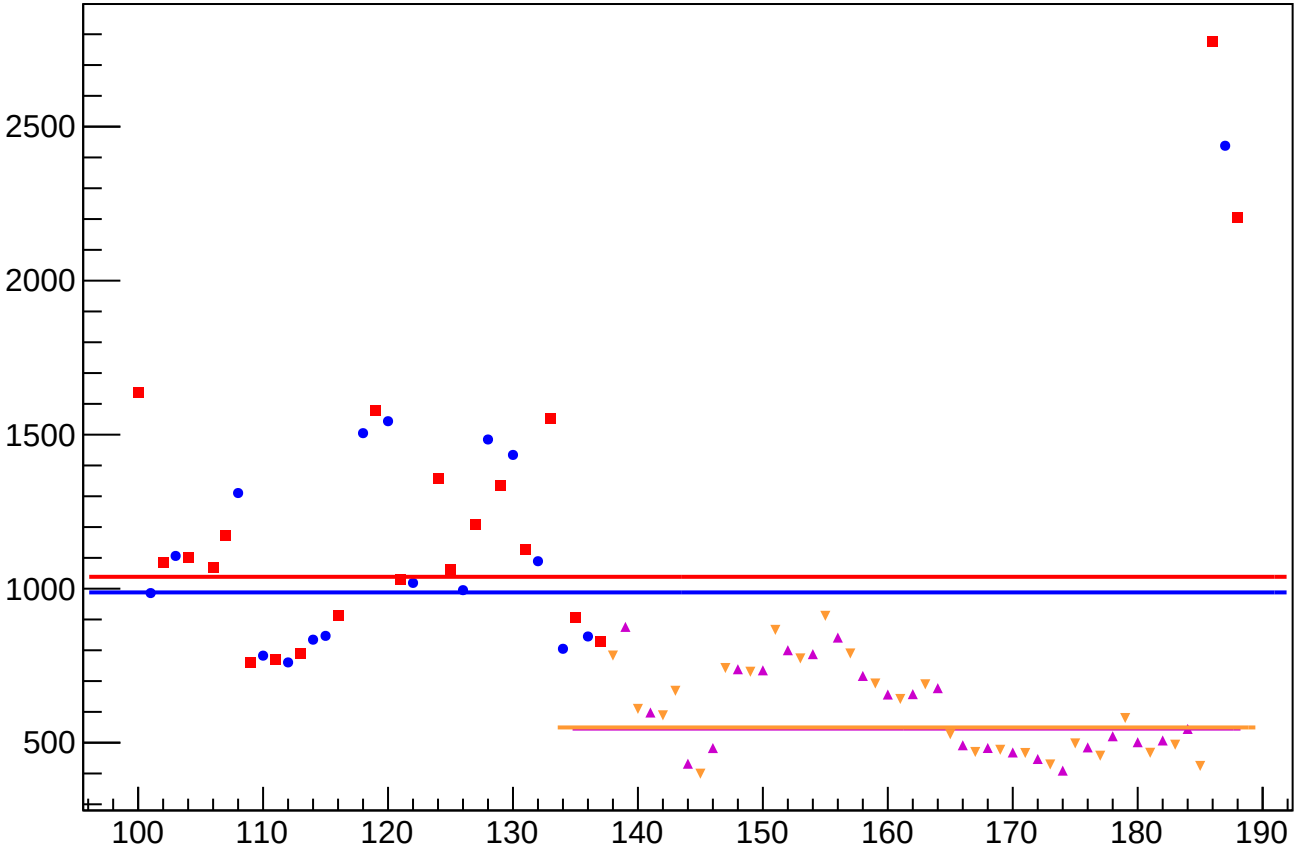
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 611.329+/-121.895 χ^2/NDF: 89.6/41

All: 356.246+/-86.807 χ^2/NDF: 142.8/85

- sign 93.761+/-123.651 χ^2/NDF: 44.3/43

asym_sam_37_avg_rms vs Slug



Right In: 987.876+/-0.266 χ^2/NDF: 871501.2/16

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1038.518+/-0.260 χ^2/NDF: 1599815.0/20

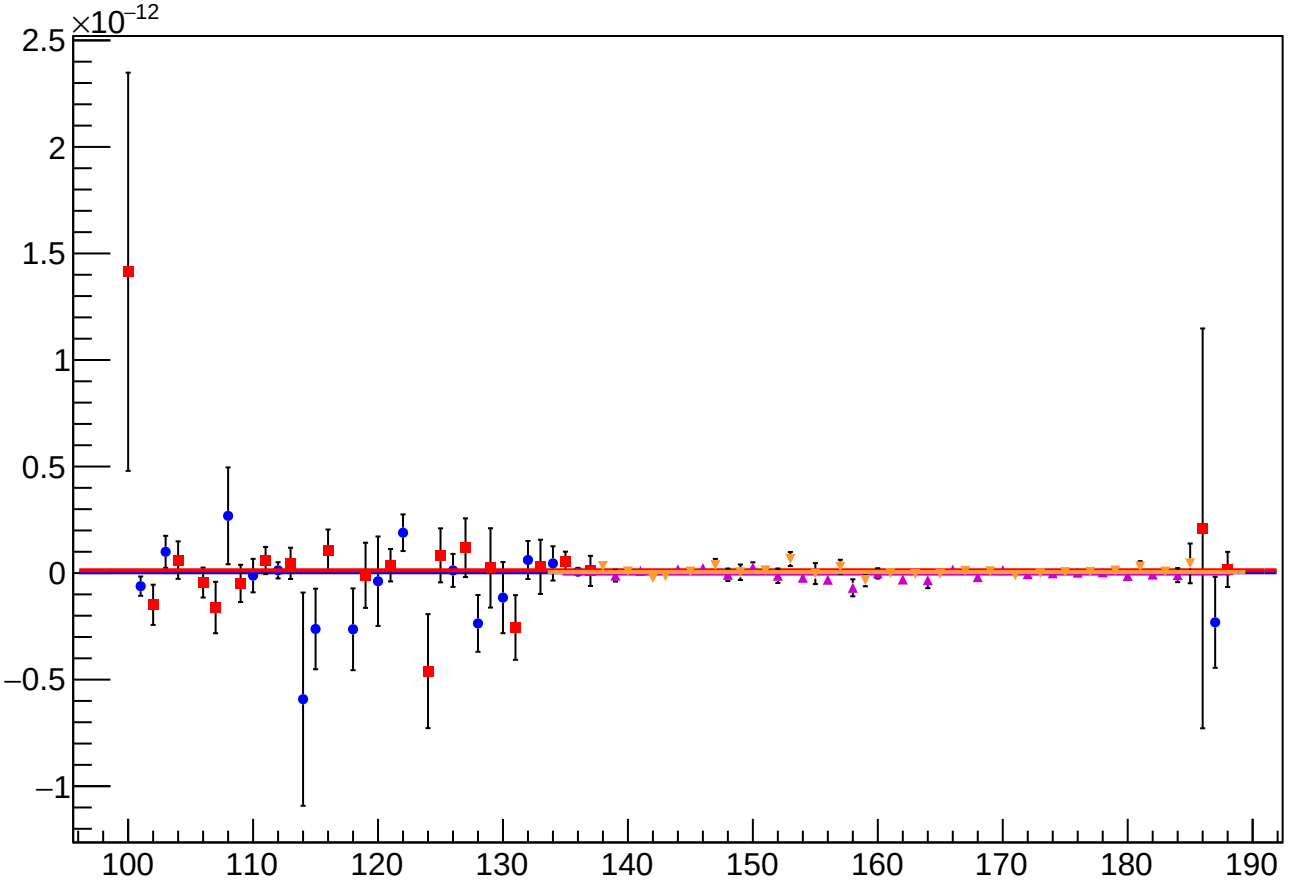
Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 595.543+/-0.086 χ^2/NDF: 5358261.7/41

All: 598.420+/-0.061 χ^2/NDF: 11958219.0/85

- sign 601.380+/-0.087 χ^2/NDF: 6597697.3/43

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

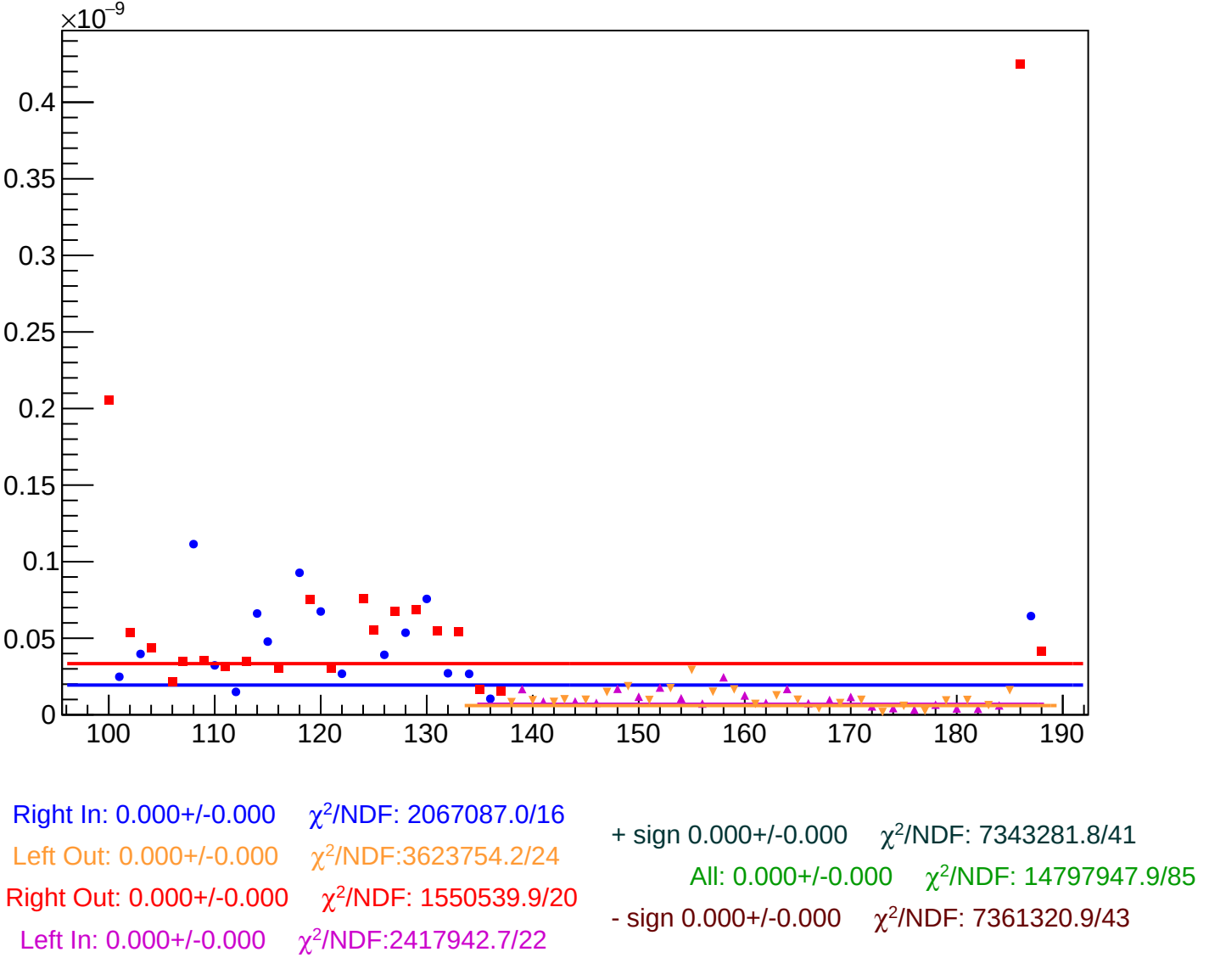
Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/20

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

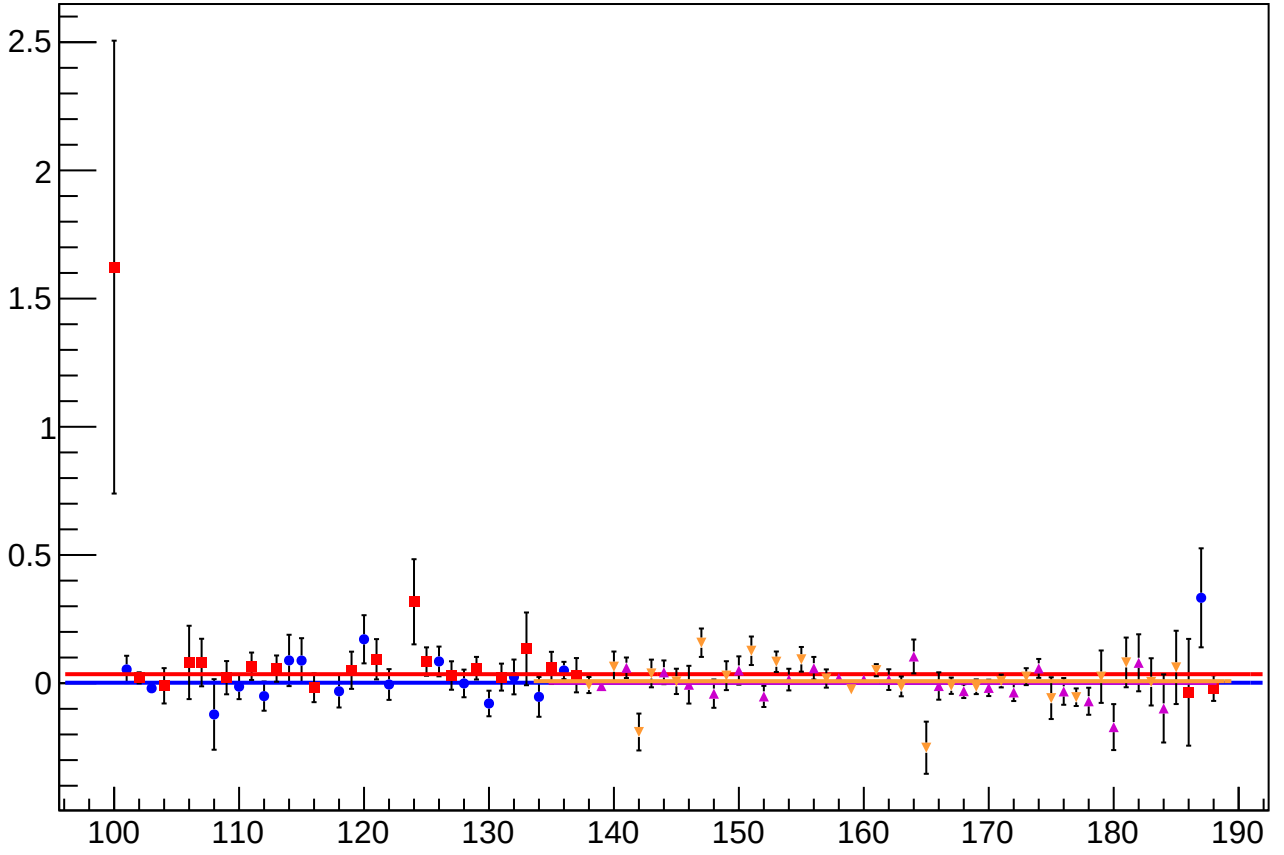
+ sign 0.000+/-0.000 χ^2/NDF: 36.5/41

All: 0.000+/-0.000 χ^2/NDF: 77.9/85

- sign -0.000+/-0.000 χ^2/NDF: 39.1/43


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2067087.0/16
Left Out: 0.000+/-0.000 χ²/NDF:3623754.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 1550539.9/20
Left In: 0.000+/-0.000 χ²/NDF:2417942.7/22
+ sign 0.000+/-0.000 χ²/NDF: 7343281.8/41
All: 0.000+/-0.000 χ²/NDF: 14797947.9/85
- sign 0.000+/-0.000 χ²/NDF: 7361320.9/43

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.035+/-0.012 χ^2/NDF: 12.4/20

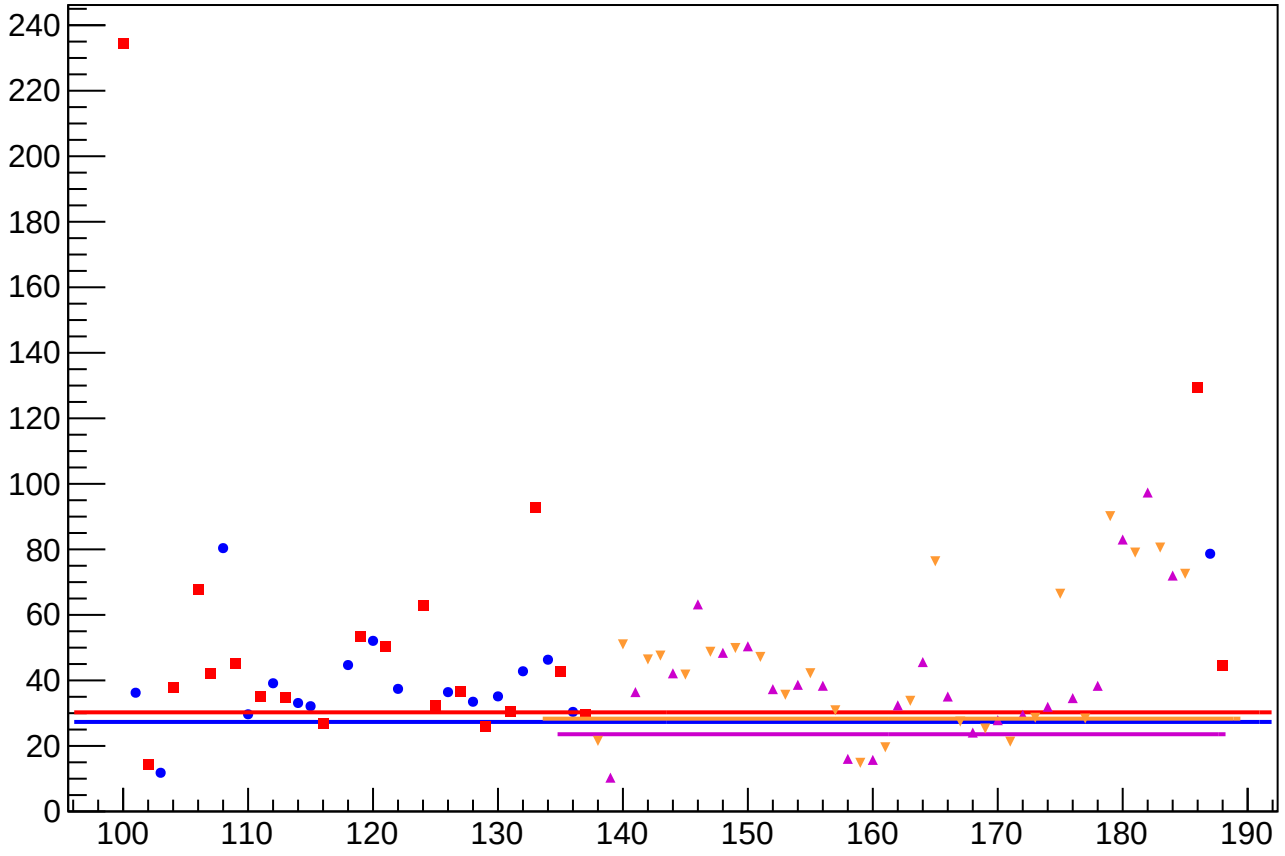
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.2/41

All: 0.008+/-0.004 χ^2/NDF: 110.7/85

- sign 0.009+/-0.006 χ^2/NDF: 43.4/43

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.327+/-0.008 χ^2/NDF: 2557218.7/16

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 30.256+/-0.009 χ^2/NDF: 3093113.9/20

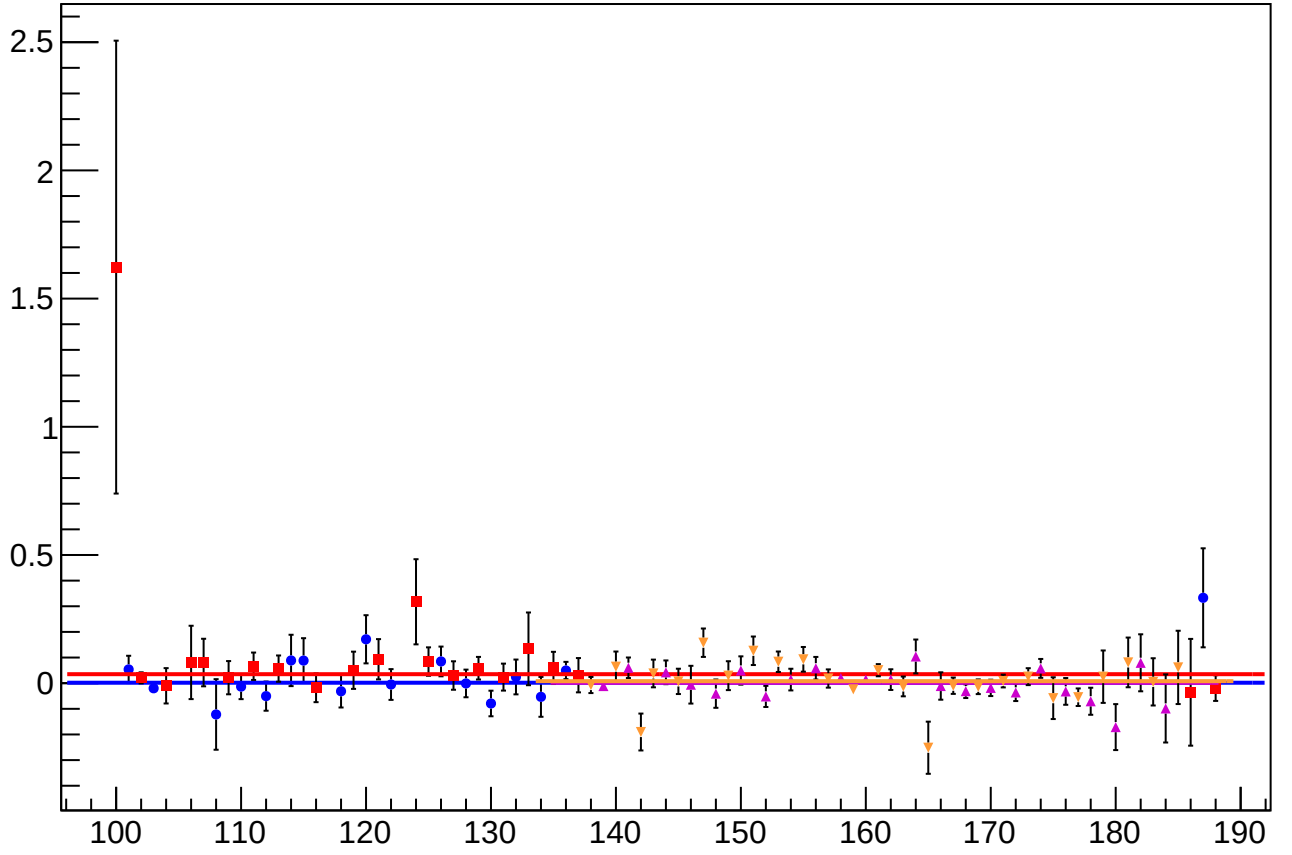
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.041+/-0.005 χ^2/NDF: 9355389.3/41

All: 26.489+/-0.003 χ^2/NDF: 21386631.8/85

- sign 25.152+/-0.004 χ^2/NDF: 11812992.5/43

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.035+/-0.012 χ^2/NDF: 12.4/20

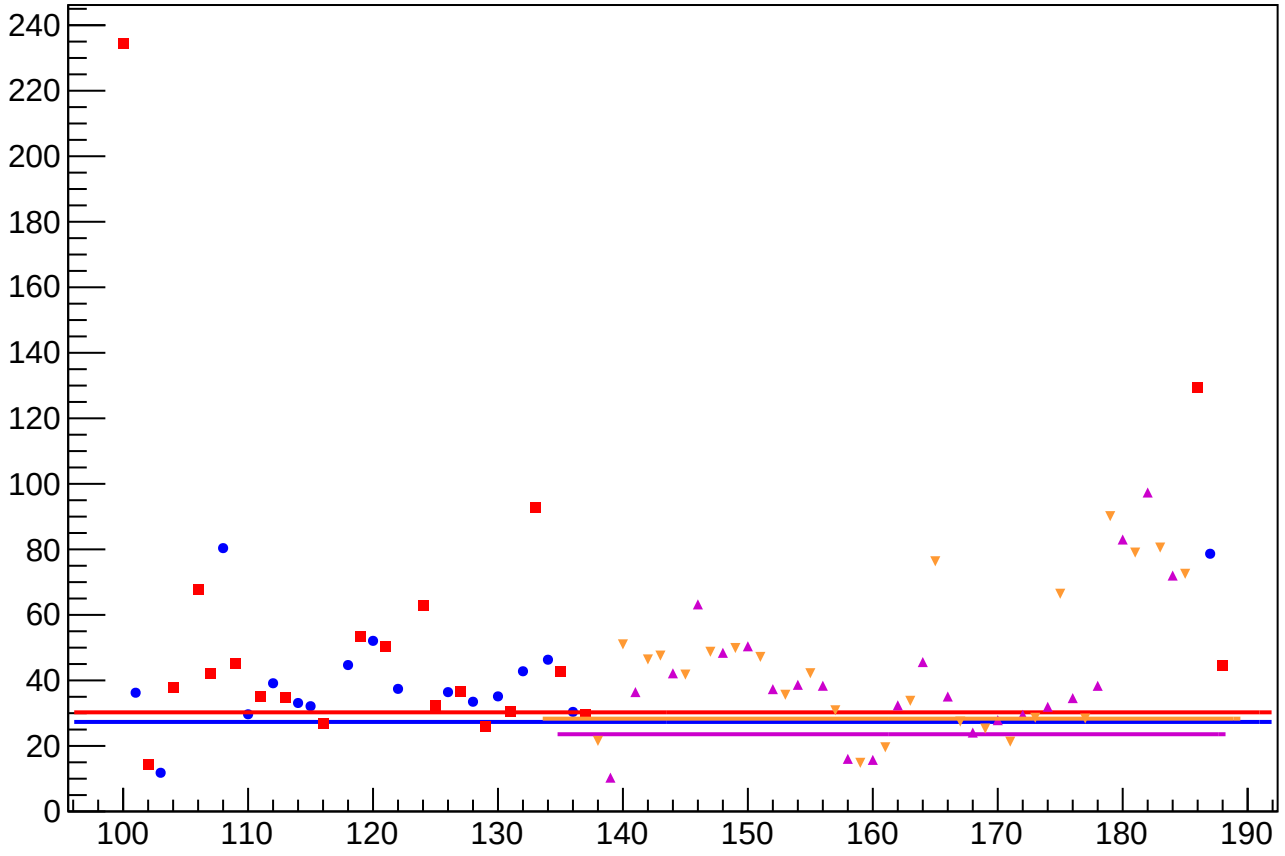
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.2/41

All: 0.008+/-0.004 χ^2/NDF: 110.7/85

- sign 0.009+/-0.006 χ^2/NDF: 43.4/43

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.327+/-0.008 χ^2/NDF: 2557218.7/16

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

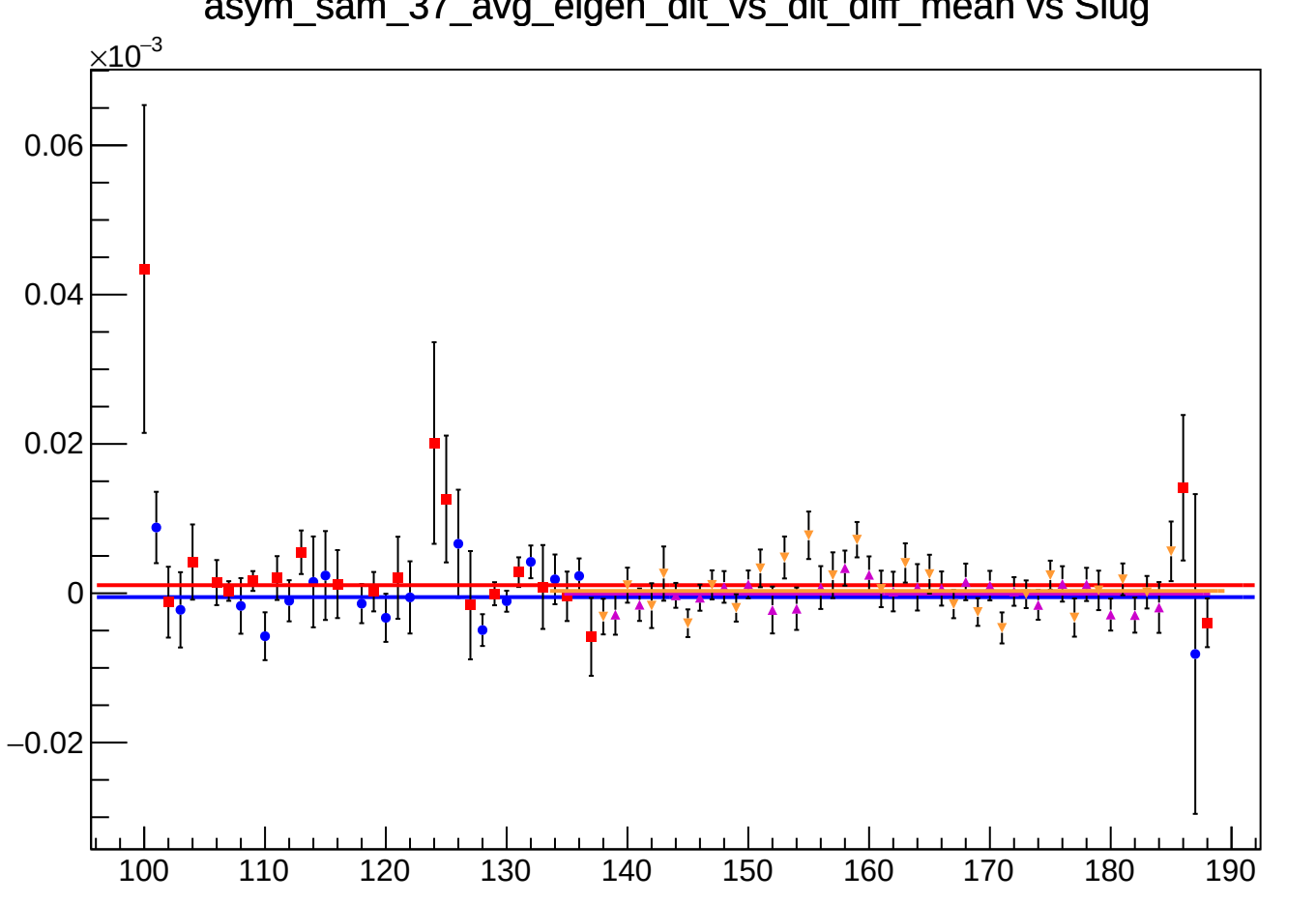
Right Out: 30.256+/-0.009 χ^2/NDF: 3093113.9/20

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.041+/-0.005 χ^2/NDF: 9355389.3/41

All: 26.489+/-0.003 χ^2/NDF: 21386631.8/85

- sign 25.152+/-0.004 χ^2/NDF: 11812992.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

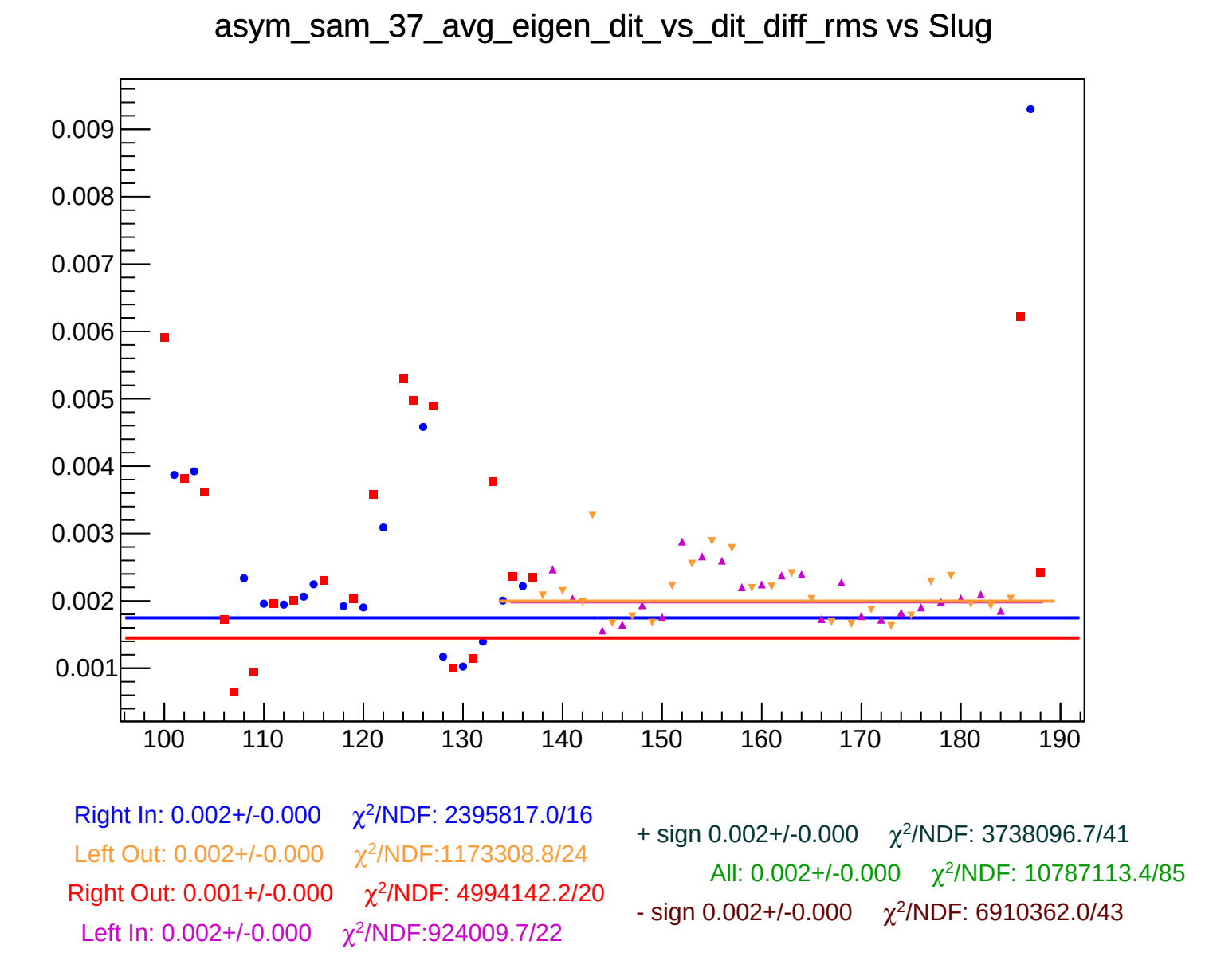
Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/20

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

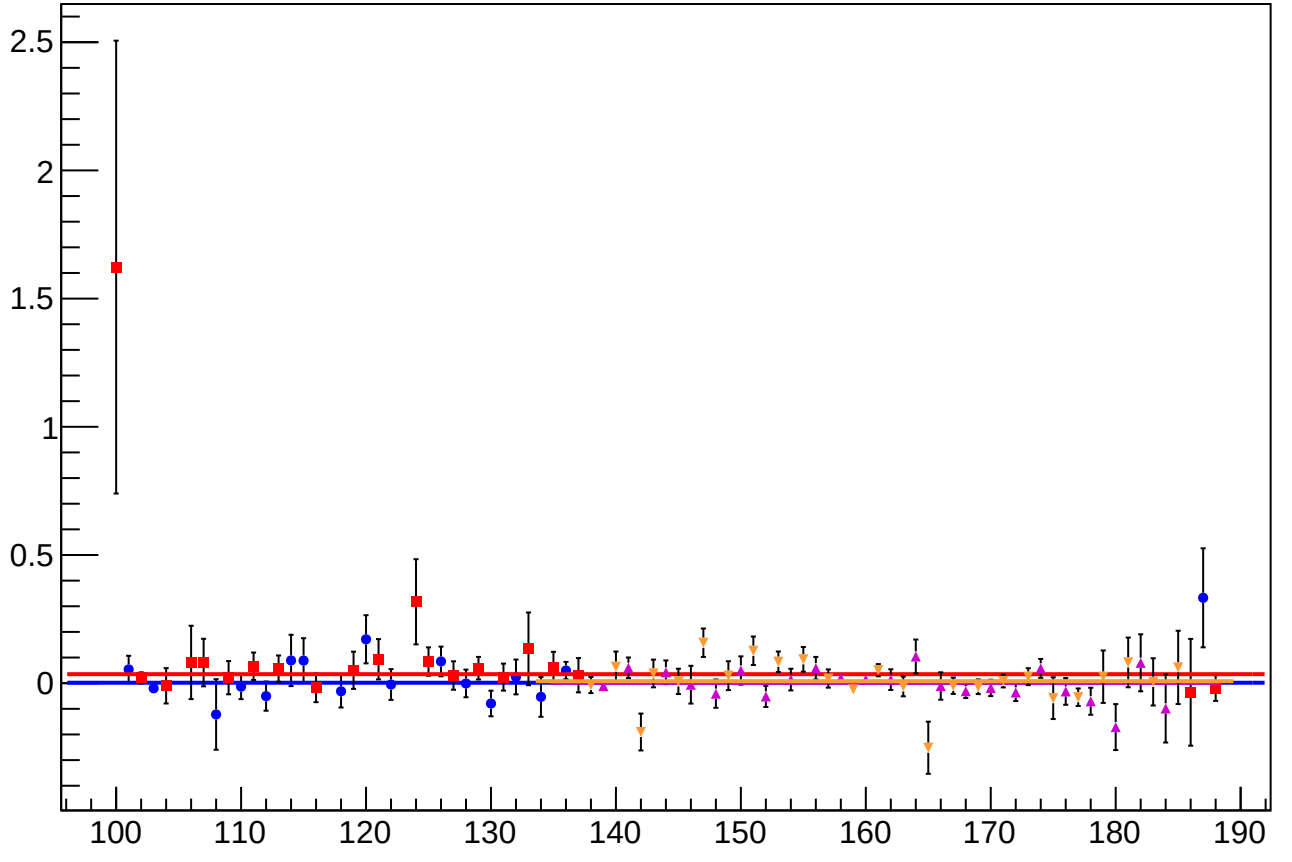
+ sign 0.000+/-0.000 χ^2/NDF: 66.7/41

All: 0.000+/-0.000 χ^2/NDF: 100.2/85

- sign 0.000+/-0.000 χ^2/NDF: 33.2/43


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 2395817.0/16
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.001+/-0.000 χ²/NDF: 4994142.2/20
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
+ sign 0.002+/-0.000 χ²/NDF: 3738096.7/41
All: 0.002+/-0.000 χ²/NDF: 10787113.4/85
- sign 0.002+/-0.000 χ²/NDF: 6910362.0/43

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.035+/-0.012 χ^2/NDF: 12.4/20

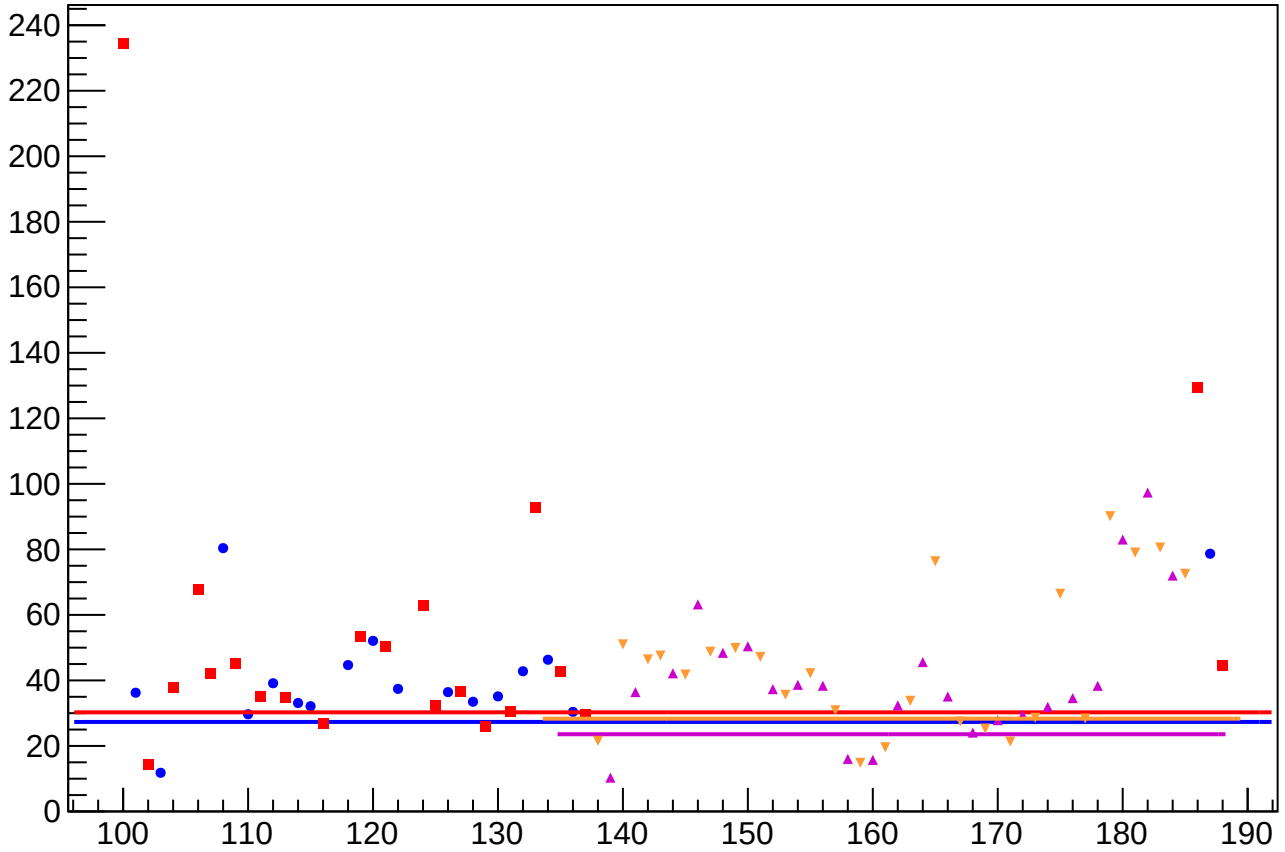
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.2/41

All: 0.008+/-0.004 χ^2/NDF: 110.7/85

- sign 0.009+/-0.006 χ^2/NDF: 43.4/43

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.327+/-0.008 χ^2/NDF: 2557571.8/16

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

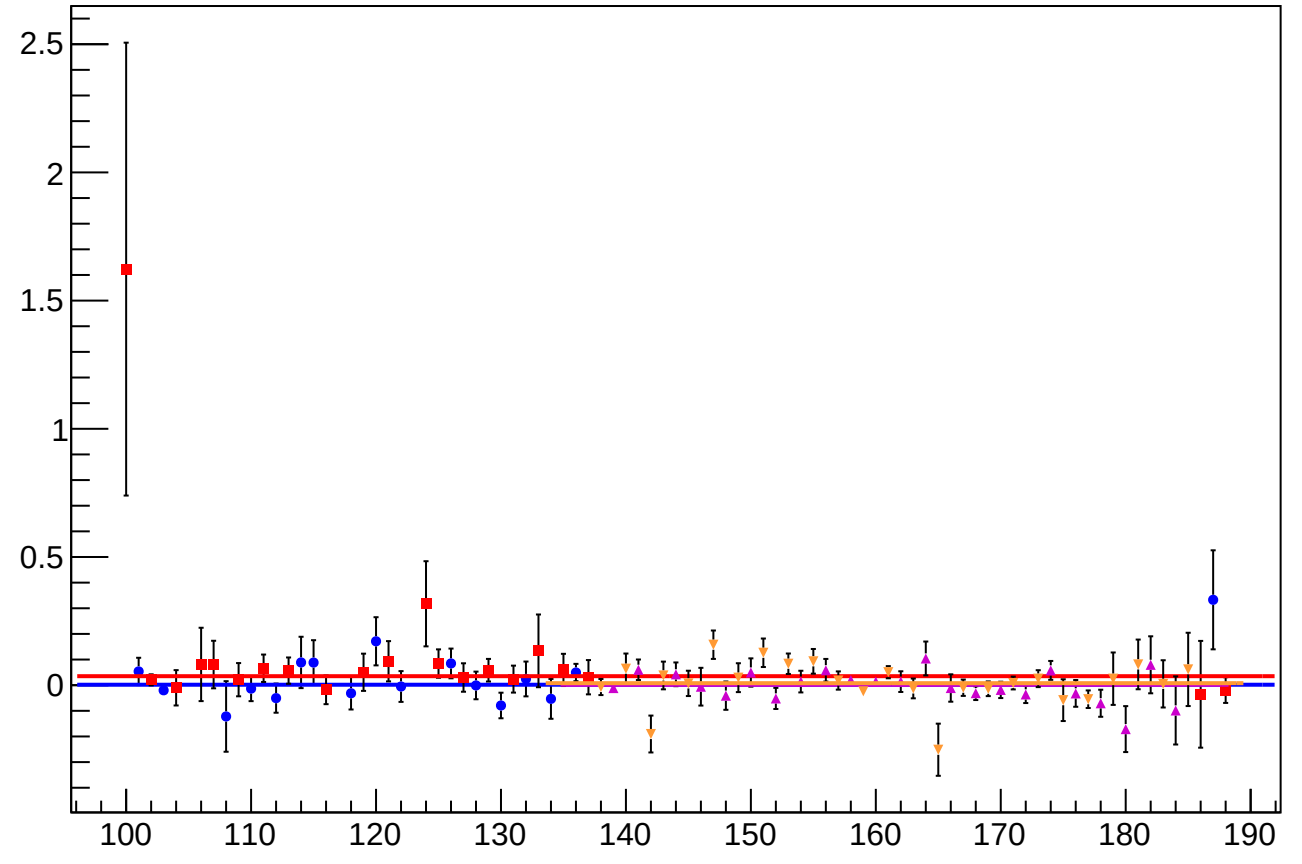
Right Out: 30.259+/-0.009 χ^2/NDF: 3092429.4/20

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.040+/-0.005 χ^2/NDF: 9356209.0/41

All: 26.489+/-0.003 χ^2/NDF: 21388306.2/85

- sign 25.152+/-0.004 χ^2/NDF: 11813847.5/43



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

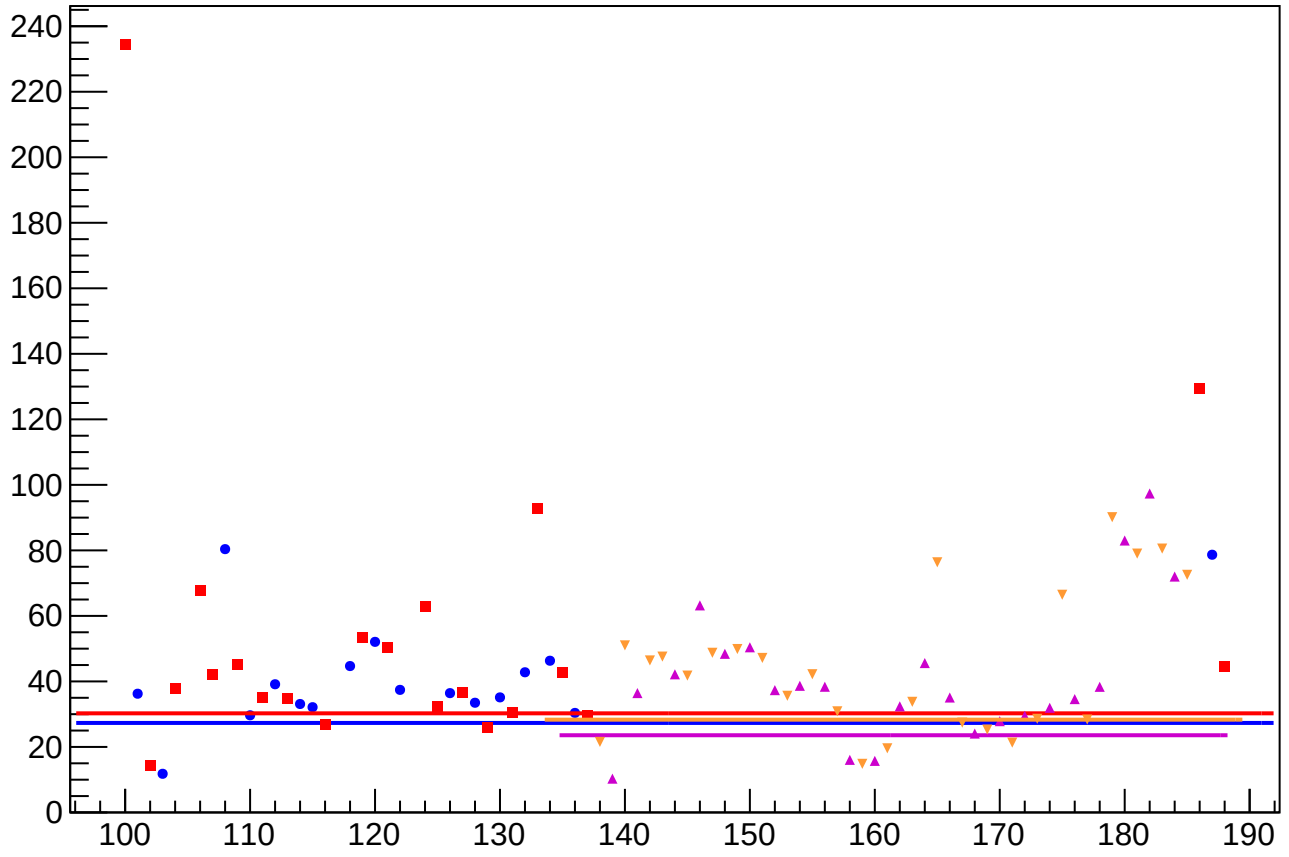
Right Out: 0.035+/-0.012 χ^2/NDF: 12.4/20

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.2/41

All: 0.008+/-0.004 χ^2/NDF: 110.7/85

- sign 0.009+/-0.006 χ^2/NDF: 43.4/43



Right In: 27.327+/-0.008 χ^2/NDF: 2557571.8/16

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

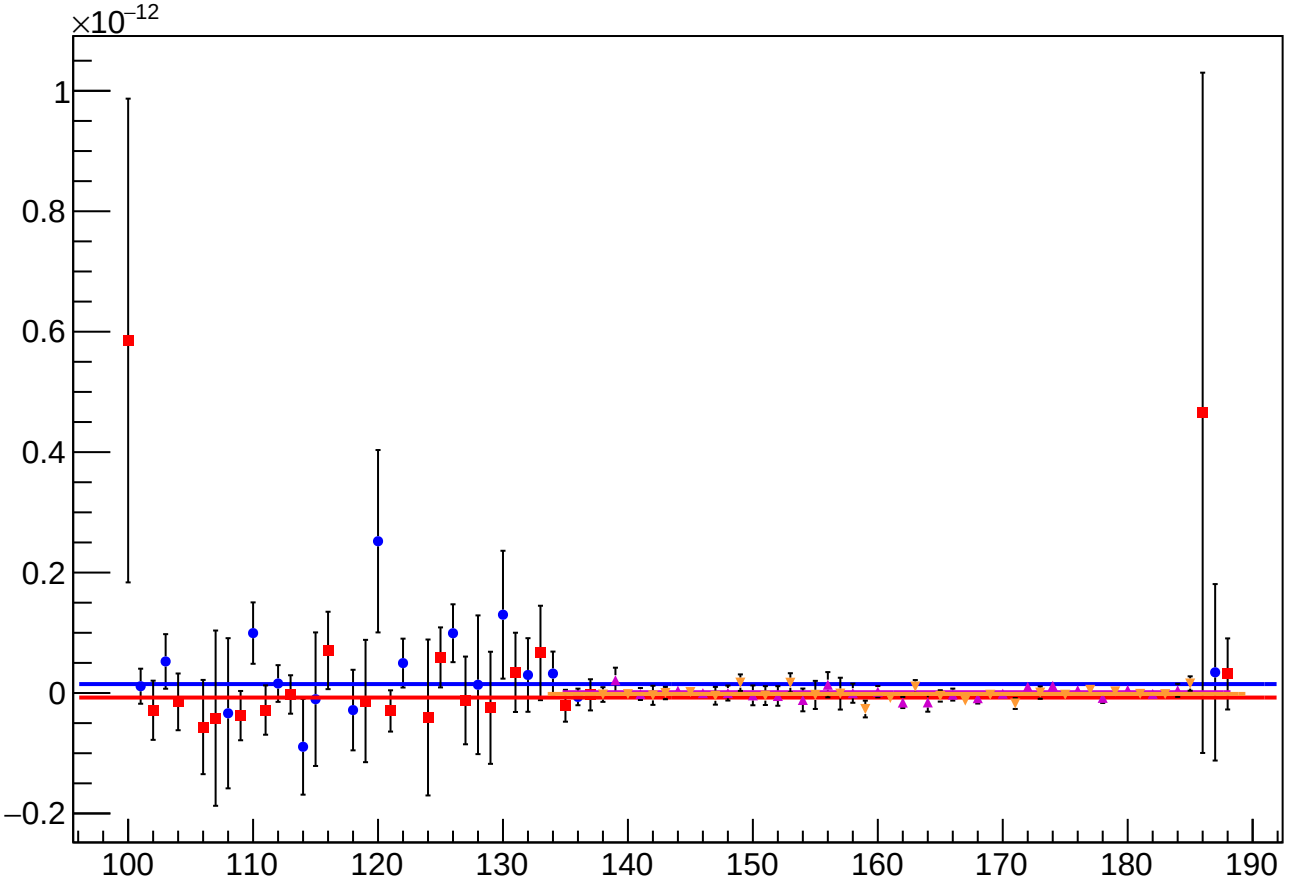
Right Out: 30.259+/-0.009 χ^2/NDF: 3092429.4/20

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.040+/-0.005 χ^2/NDF: 9356209.0/41

All: 26.489+/-0.003 χ^2/NDF: 21388306.2/85

- sign 25.152+/-0.004 χ^2/NDF: 11813847.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

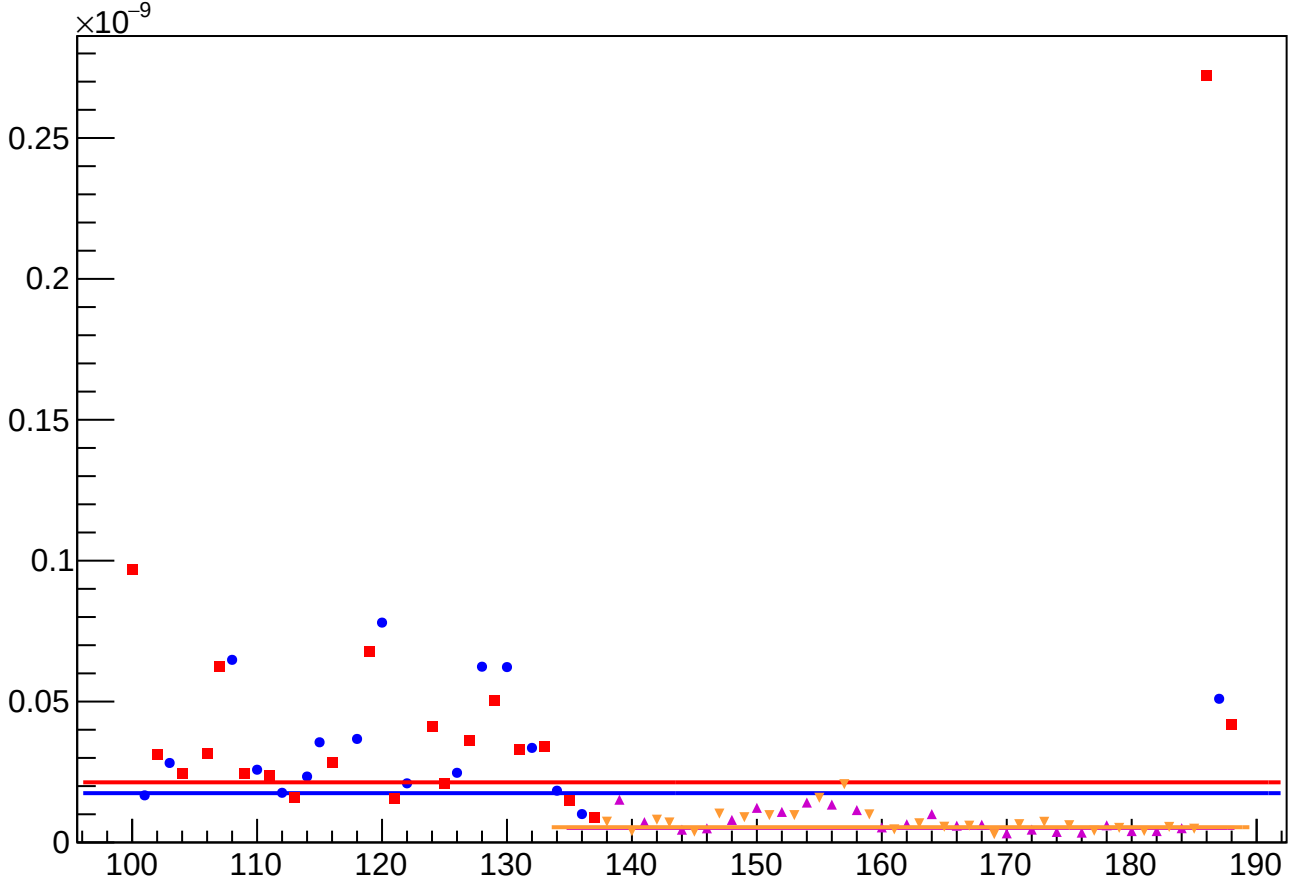
Right Out: -0.000+/-0.000 χ^2/NDF: 10.2/20

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.4/41

All: 0.000+/-0.000 χ^2/NDF: 63.9/85

- sign 0.000+/-0.000 χ^2/NDF: 26.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 2546921.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2570456.5/20

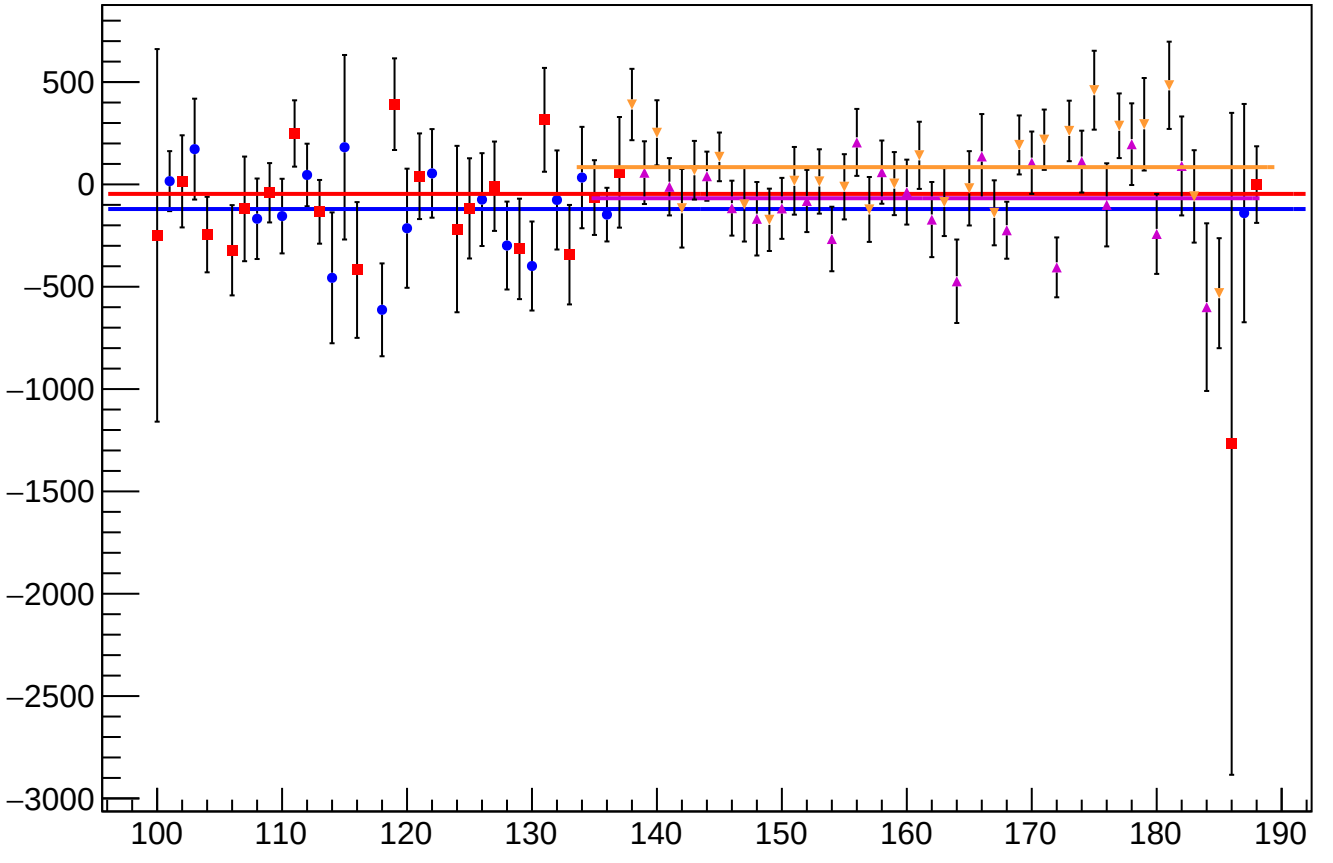
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8786808.1/41

All: 0.000+/-0.000 χ^2/NDF: 19262469.3/85

- sign 0.000+/-0.000 χ^2/NDF: 10457344.9/43

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.341+/-50.870 χ^2/NDF: 13.4/16

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -46.377+/-48.203 χ^2/NDF: 17.6/20

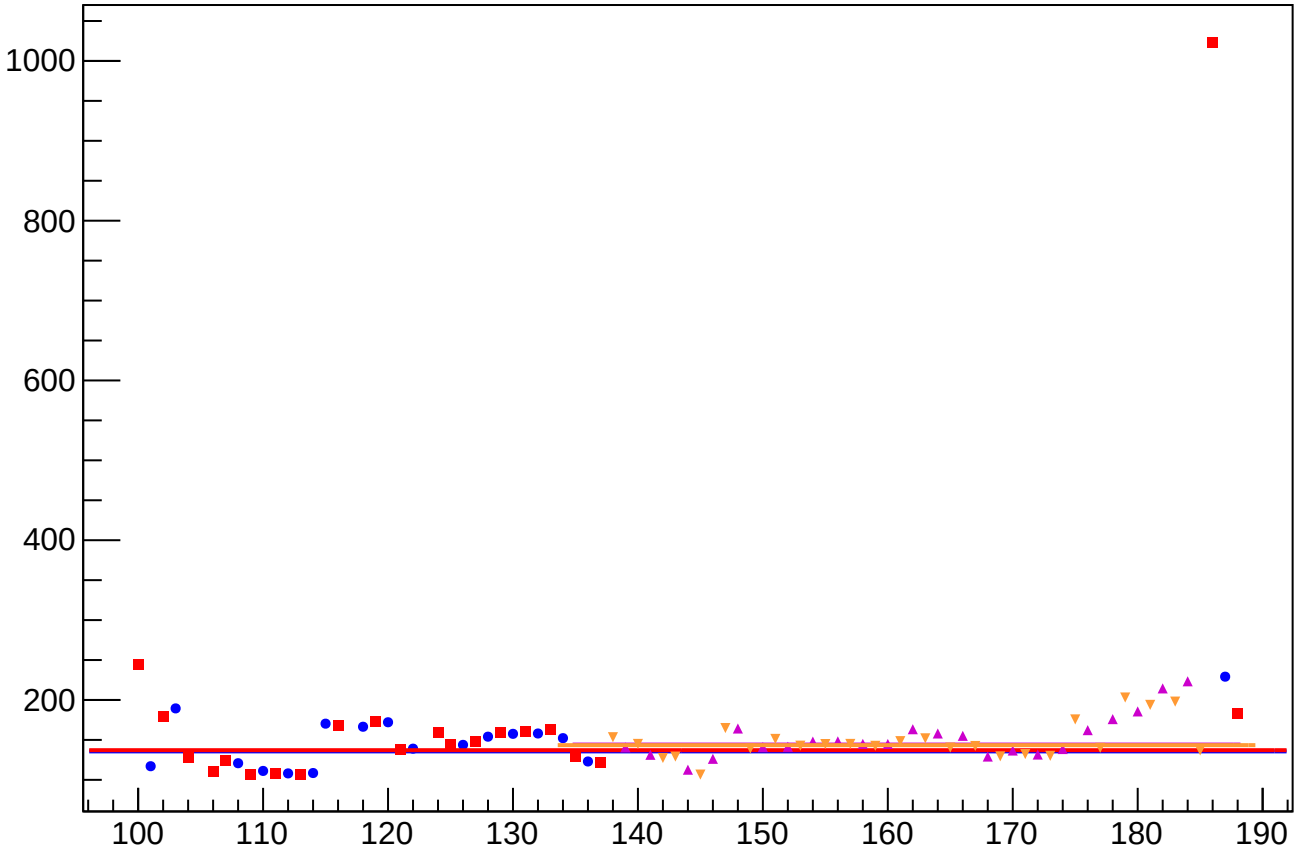
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 23.614+/-27.706 χ^2/NDF: 58.6/41

All: -18.233+/-19.645 χ^2/NDF: 107.5/85

- sign -60.542+/-27.858 χ^2/NDF: 44.3/43

reg_asym_sam_48_avg_rms vs Slug



Right In: 135.630+/-0.036 χ^2/NDF: 478860.0/16

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

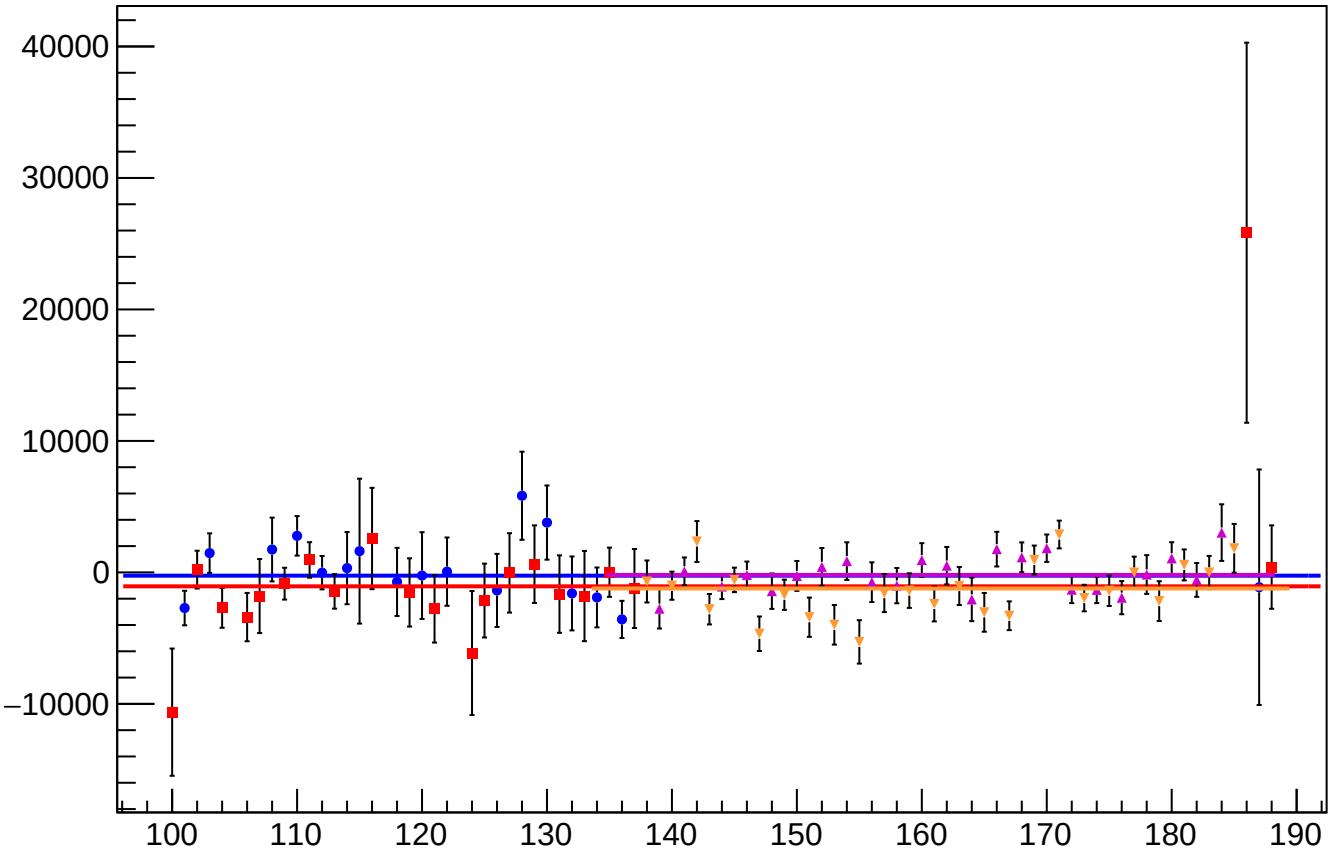
Right Out: 137.124+/-0.034 χ^2/NDF: 1229492.1/20

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 141.126+/-0.020 χ^2/NDF: 1259089.1/41

All: 141.469+/-0.014 χ^2/NDF: 3220376.0/85

- sign 141.817+/-0.020 χ^2/NDF: 1960668.0/43



Right In: -249.110+/-500.629 χ^2/NDF: 21.6/16

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1059.247+/-463.138 χ^2/NDF: 17.1/20

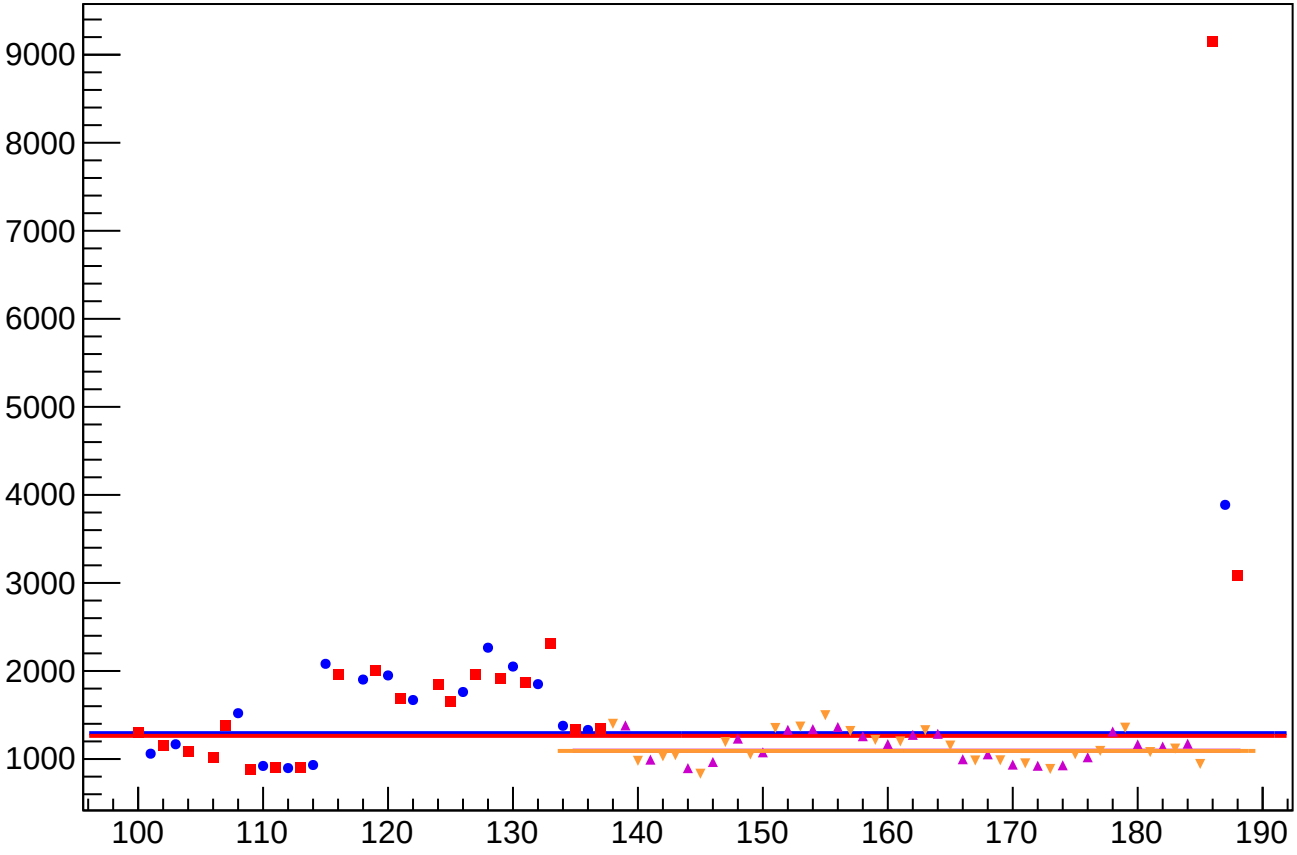
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1028.047+/-224.926 χ^2/NDF: 83.9/41

All: -715.465+/-159.425 χ^2/NDF: 130.8/85

- sign -399.887+/-226.001 χ^2/NDF: 43.0/43

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1293.798+/-0.354 χ^2/NDF: 1338680.5/16

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1263.153+/-0.327 χ^2/NDF: 2659444.3/20

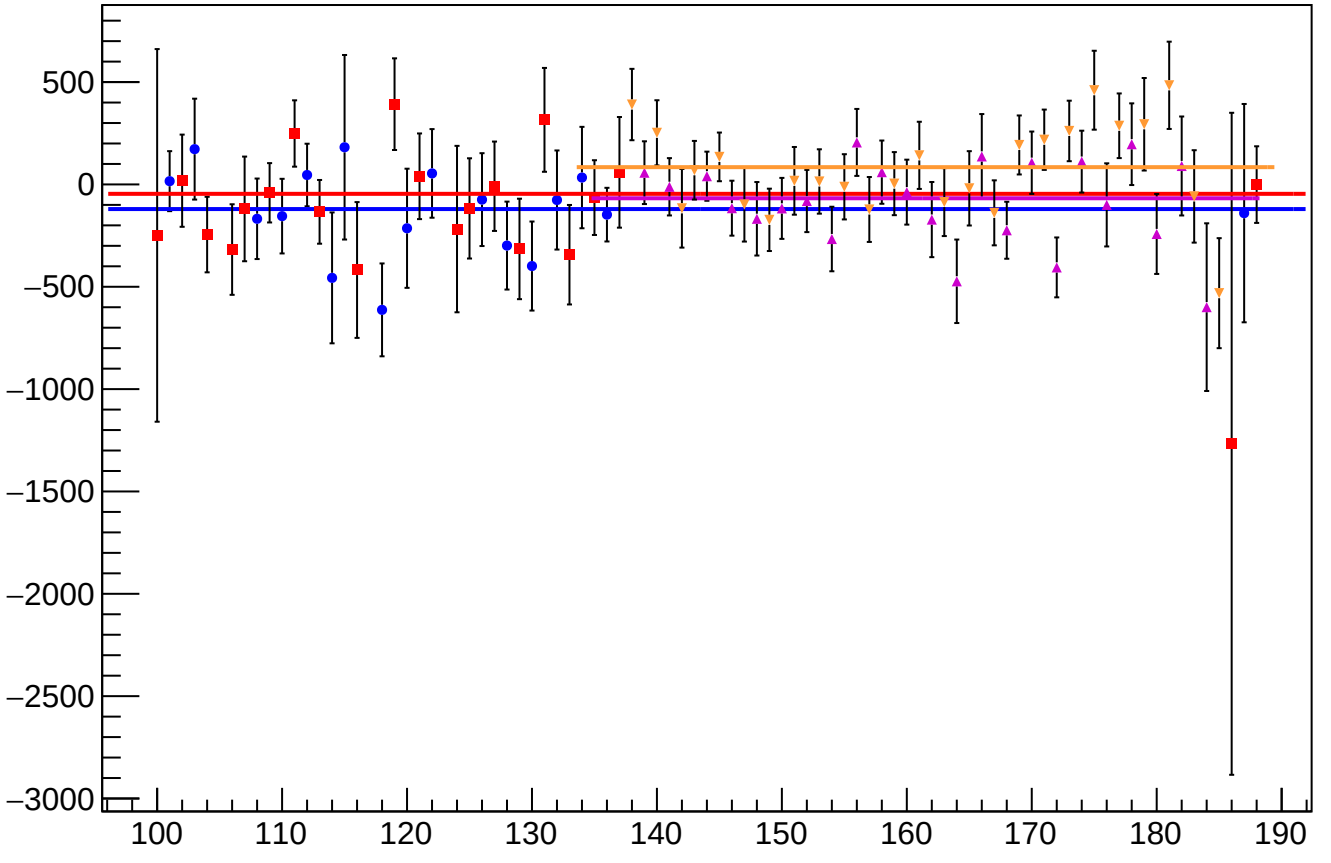
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1132.718+/-0.159 χ^2/NDF: 2490540.7/41

All: 1133.676+/-0.113 χ^2/NDF: 6085146.1/85

- sign 1134.644+/-0.160 χ^2/NDF: 3594532.4/43

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.352+/-50.870 χ^2/NDF: 13.4/16

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -45.968+/-48.211 χ^2/NDF: 17.6/20

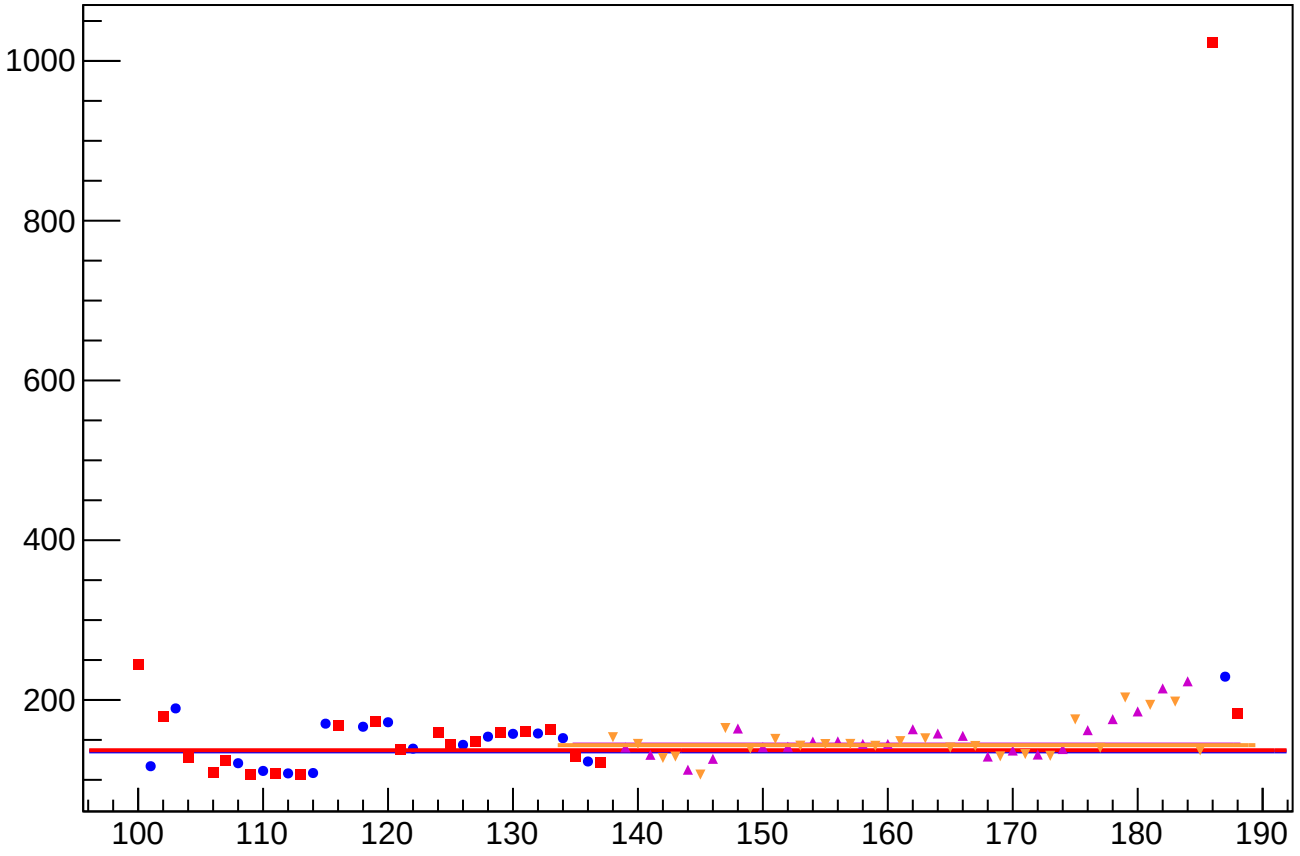
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 23.620+/-27.706 χ^2/NDF: 58.6/41

All: -18.161+/-19.645 χ^2/NDF: 107.4/85

- sign -60.408+/-27.860 χ^2/NDF: 44.2/43

cor_asym_sam_48_avg_rms vs Slug



Right In: 135.630+/-0.036 χ^2/NDF: 478863.0/16

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 137.058+/-0.034 χ^2/NDF: 1233098.1/20

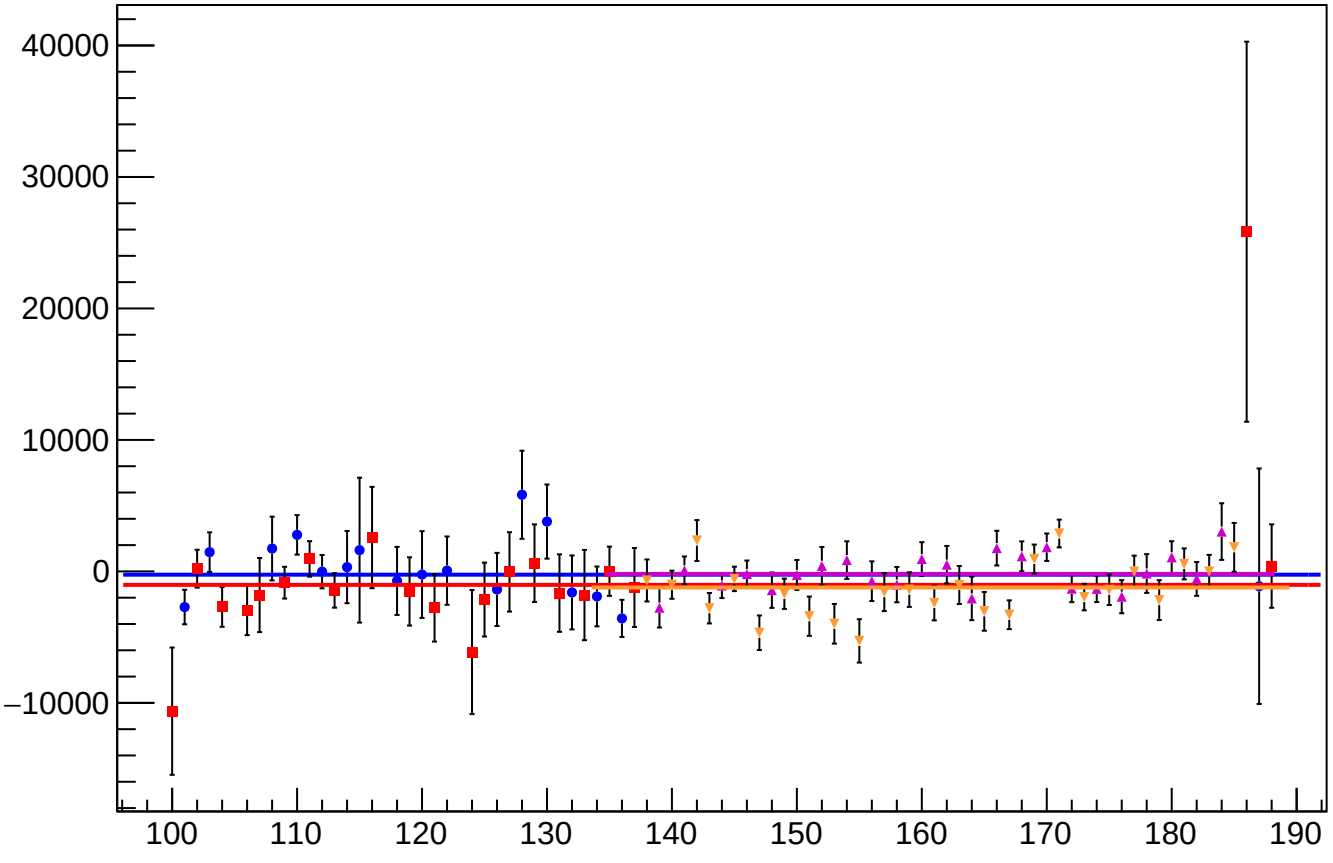
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 141.126+/-0.020 χ^2/NDF: 1259092.0/41

All: 141.459+/-0.014 χ^2/NDF: 3224476.9/85

- sign 141.795+/-0.020 χ^2/NDF: 1964804.1/43

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -249.180+/-500.634 χ^2/NDF: 21.6/16

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1024.480+/-464.031 χ^2/NDF: 16.5/20

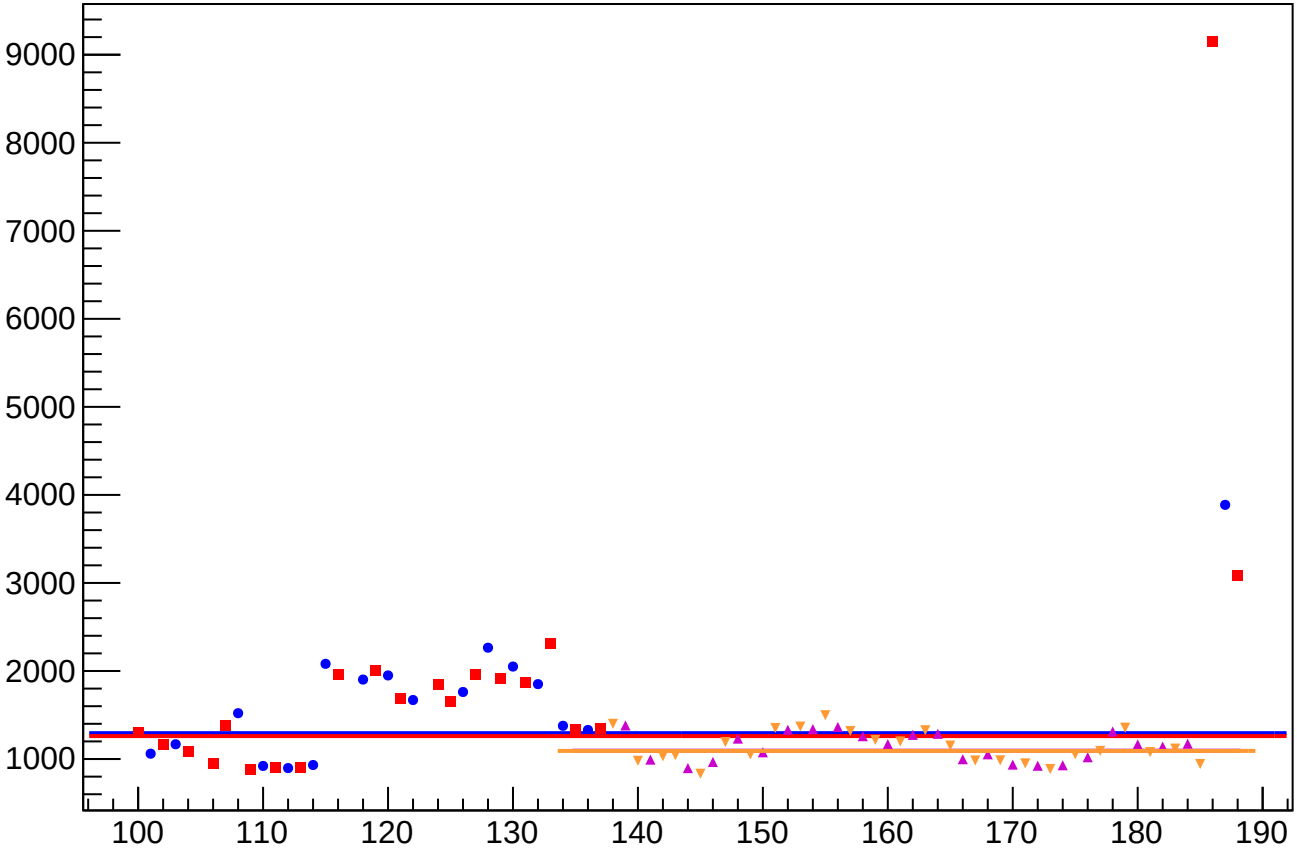
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1028.051+/-224.926 χ^2/NDF: 83.9/41

All: -711.205+/-159.462 χ^2/NDF: 130.1/85

- sign -391.030+/-226.105 χ^2/NDF: 42.2/43

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1293.812+/-0.354 χ^2/NDF: 1338653.6/16

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1260.443+/-0.328 χ^2/NDF: 2676295.2/20

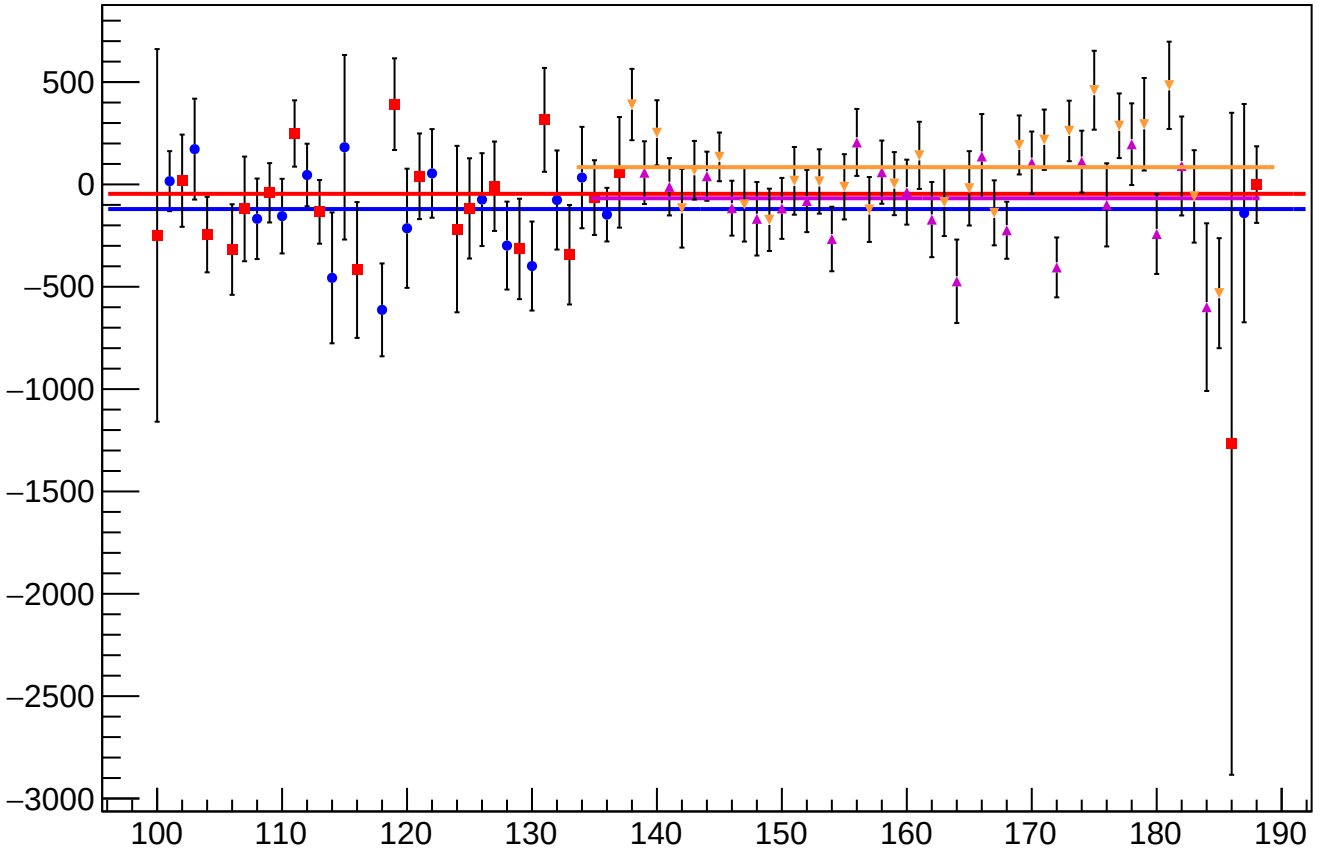
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1132.720+/-0.159 χ^2/NDF: 2490544.9/41

All: 1133.298+/-0.113 χ^2/NDF: 6094938.4/85

- sign 1133.883+/-0.160 χ^2/NDF: 3604367.0/43

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.352+/-50.870 χ^2/NDF: 13.4/16

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -45.968+/-48.211 χ^2/NDF: 17.6/20

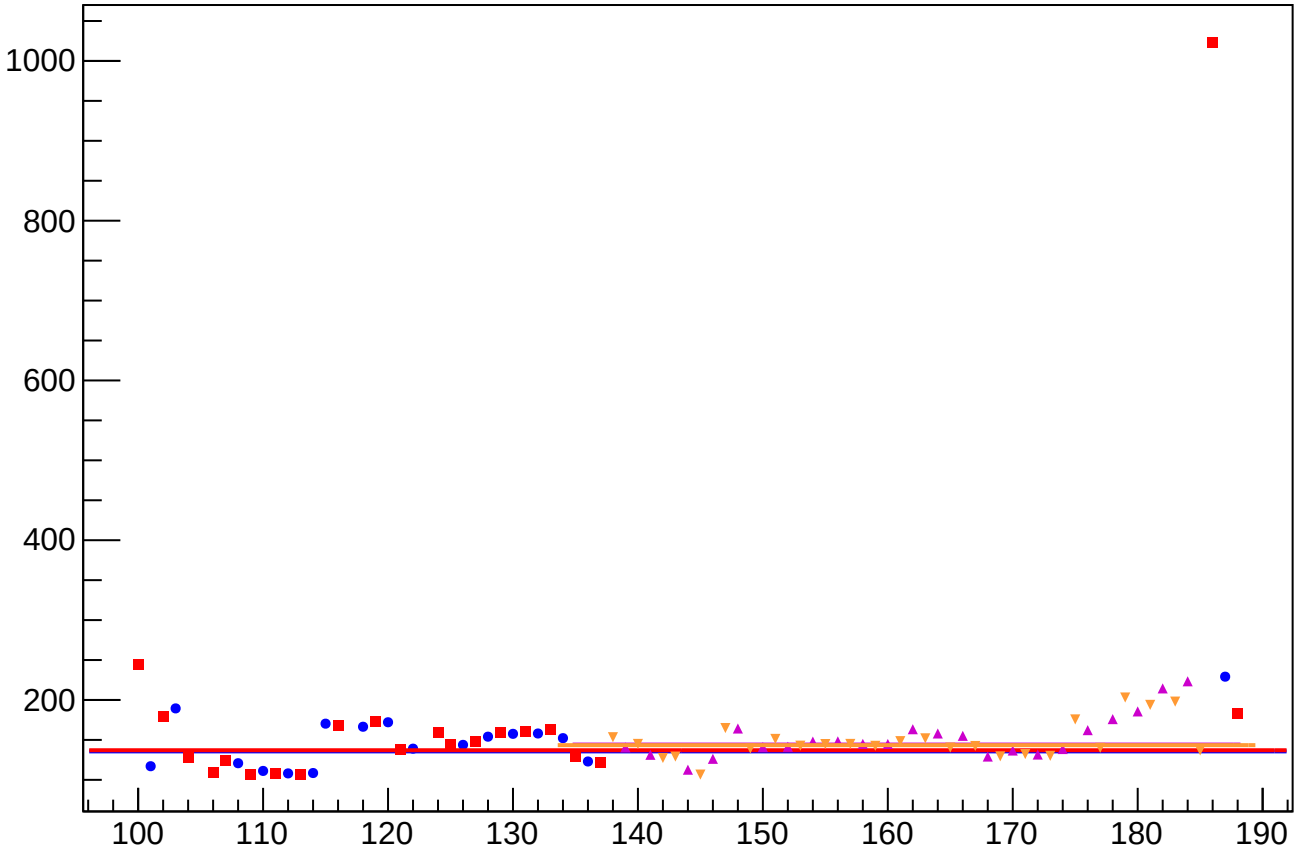
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 23.620+/-27.706 χ^2/NDF: 58.6/41

All: -18.161+/-19.645 χ^2/NDF: 107.4/85

- sign -60.408+/-27.860 χ^2/NDF: 44.2/43

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 135.630+/-0.036 χ^2/NDF: 478863.0/16

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

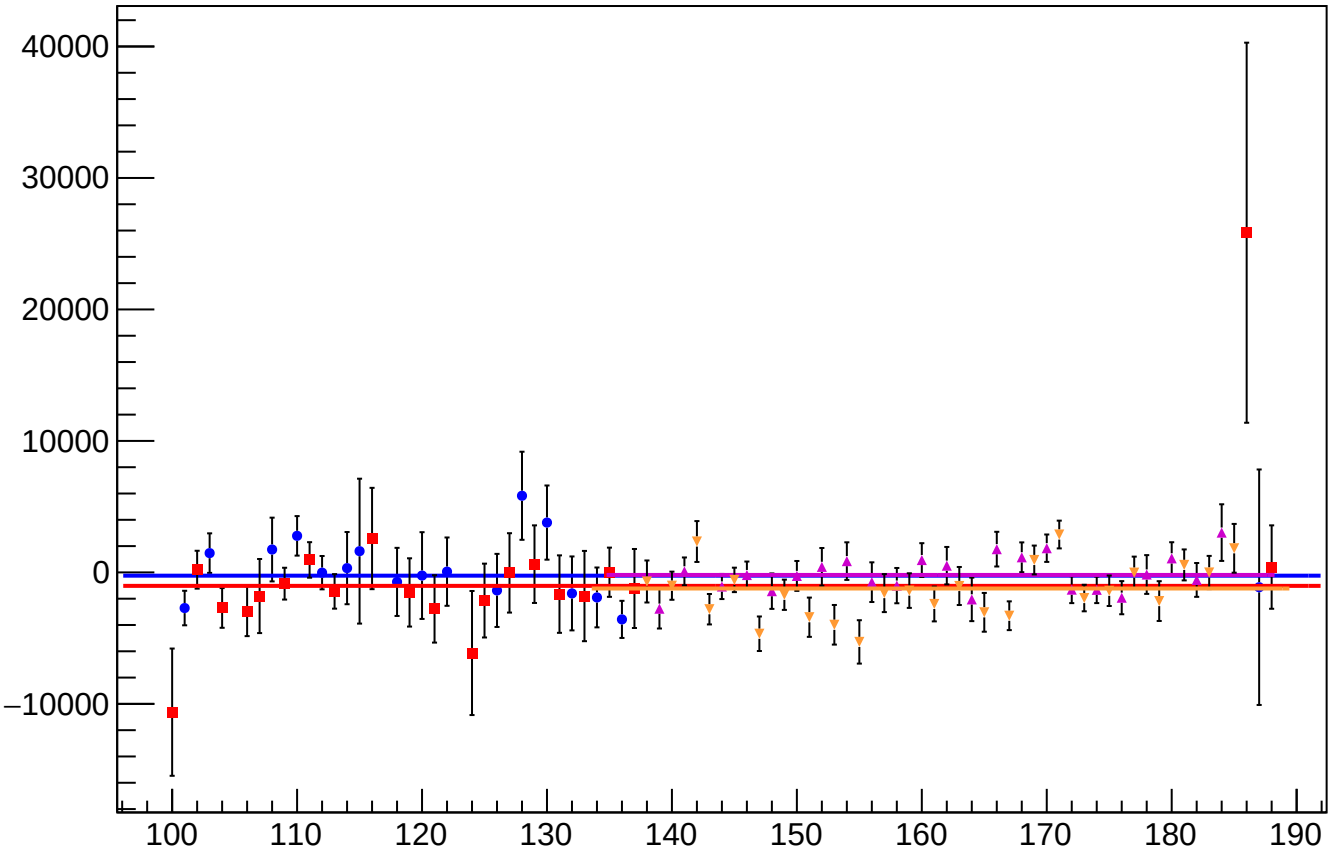
Right Out: 137.058+/-0.034 χ^2/NDF: 1233098.1/20

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 141.126+/-0.020 χ^2/NDF: 1259092.0/41

All: 141.459+/-0.014 χ^2/NDF: 3224476.9/85

- sign 141.795+/-0.020 χ^2/NDF: 1964804.1/43



Right In: -249.180+/-500.634 χ^2/NDF: 21.6/16

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1024.480+/-464.031 χ^2/NDF: 16.5/20

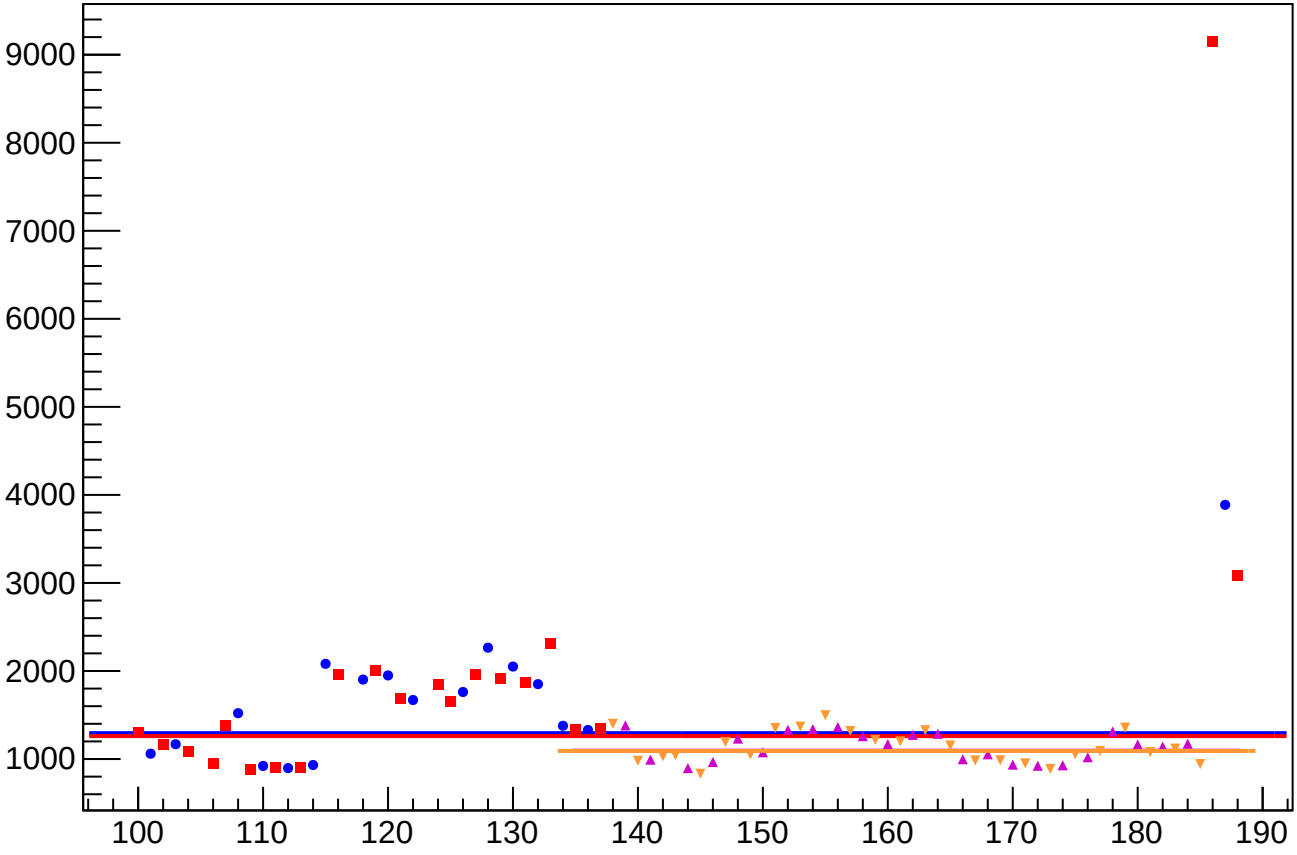
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1028.051+/-224.926 χ^2/NDF: 83.9/41

All: -711.205+/-159.462 χ^2/NDF: 130.1/85

- sign -391.030+/-226.105 χ^2/NDF: 42.2/43

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1293.812+/-0.354 χ^2/NDF: 1338653.6/16

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1260.443+/-0.328 χ^2/NDF: 2676295.2/20

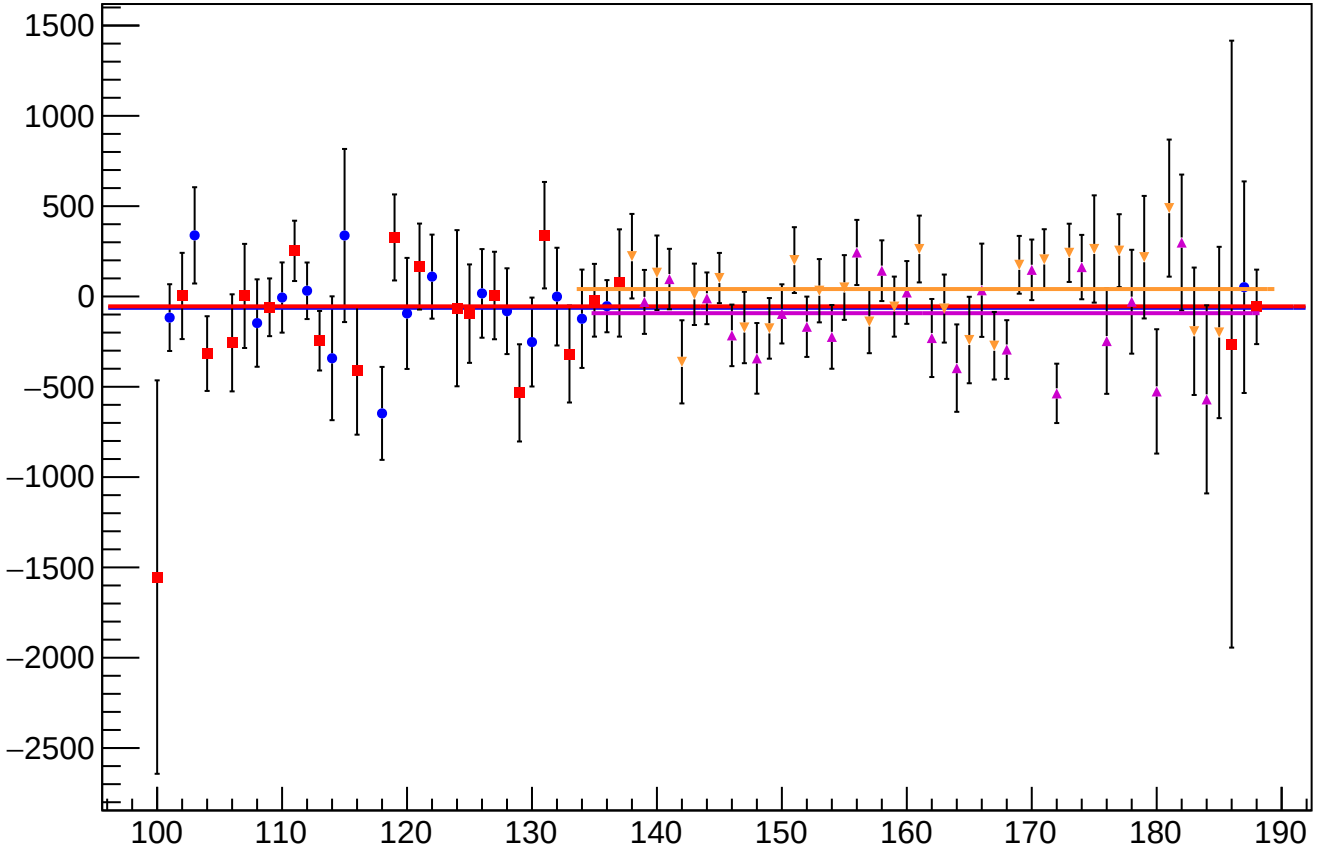
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1132.720+/-0.159 χ^2/NDF: 2490544.9/41

All: 1133.298+/-0.113 χ^2/NDF: 6094938.4/85

- sign 1133.883+/-0.160 χ^2/NDF: 3604367.0/43

dit_asym_sam_48_avg_mean vs Slug



Right In: -62.711+/-56.469 χ^2/NDF: 10.9/16

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -54.728+/-52.883 χ^2/NDF: 19.5/20

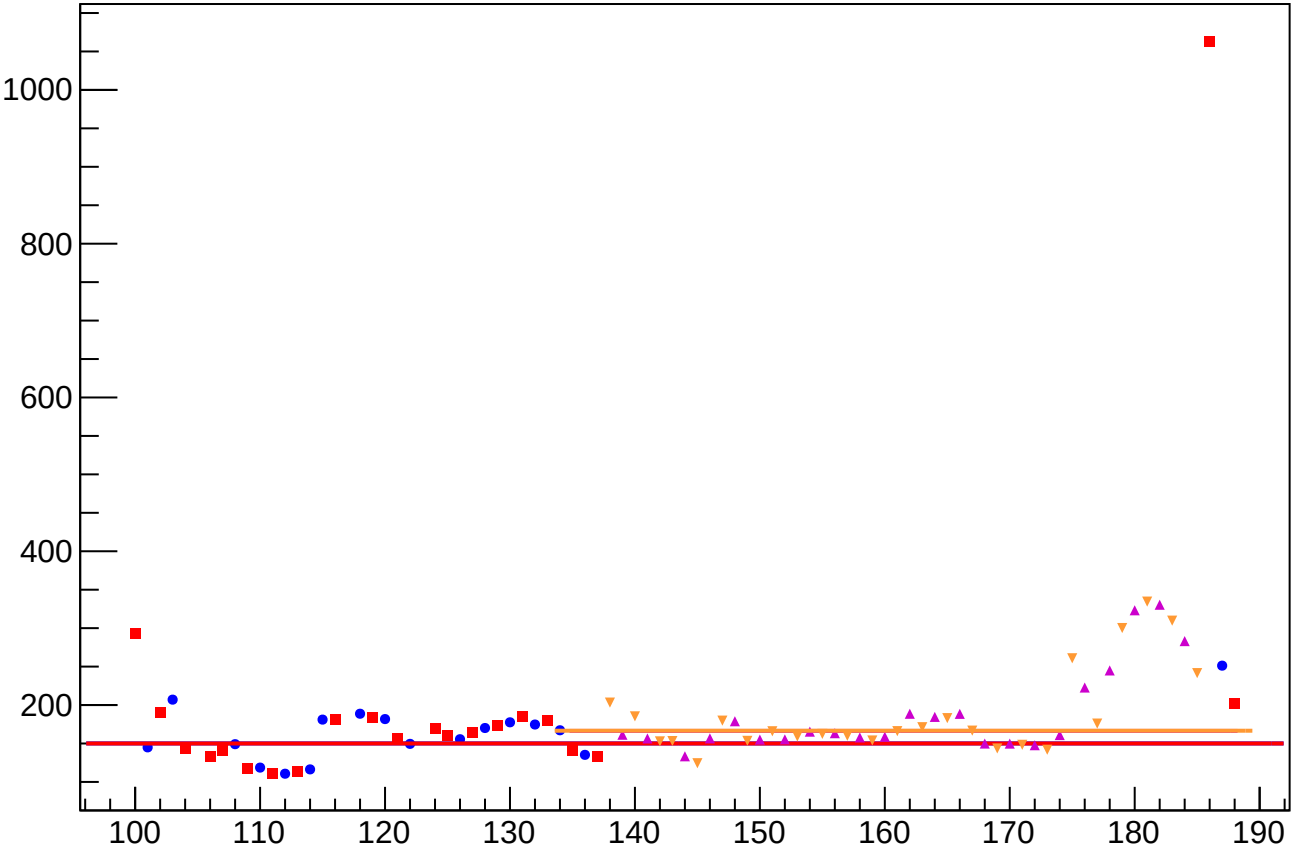
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 7.360+/-32.189 χ^2/NDF: 35.4/41

All: -35.951+/-22.689 χ^2/NDF: 88.4/85

- sign -78.718+/-31.986 χ^2/NDF: 49.3/43

dit_asym_sam_48_avg_rms vs Slug



Right In: 150.079+/-0.040 χ^2/NDF: 511200.9/16

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

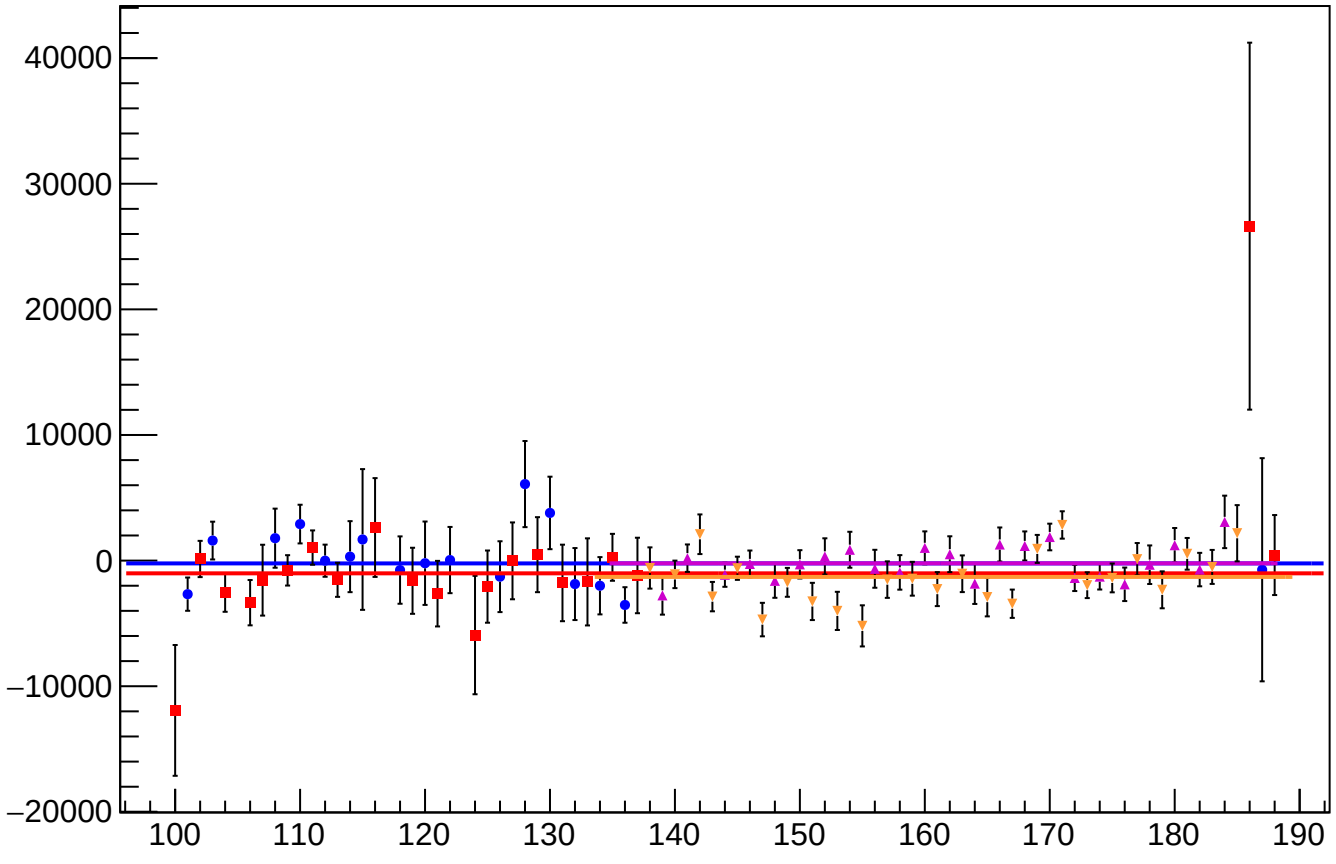
Right Out: 149.998+/-0.037 χ^2/NDF: 1255047.1/20

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 161.231+/-0.023 χ^2/NDF: 2346578.4/41

All: 160.783+/-0.016 χ^2/NDF: 5115513.0/85

- sign 160.341+/-0.023 χ^2/NDF: 2768165.8/43



Right In: -222.880+/-505.382 χ^2/NDF: 21.9/16

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1013.370+/-467.449 χ^2/NDF: 17.4/20

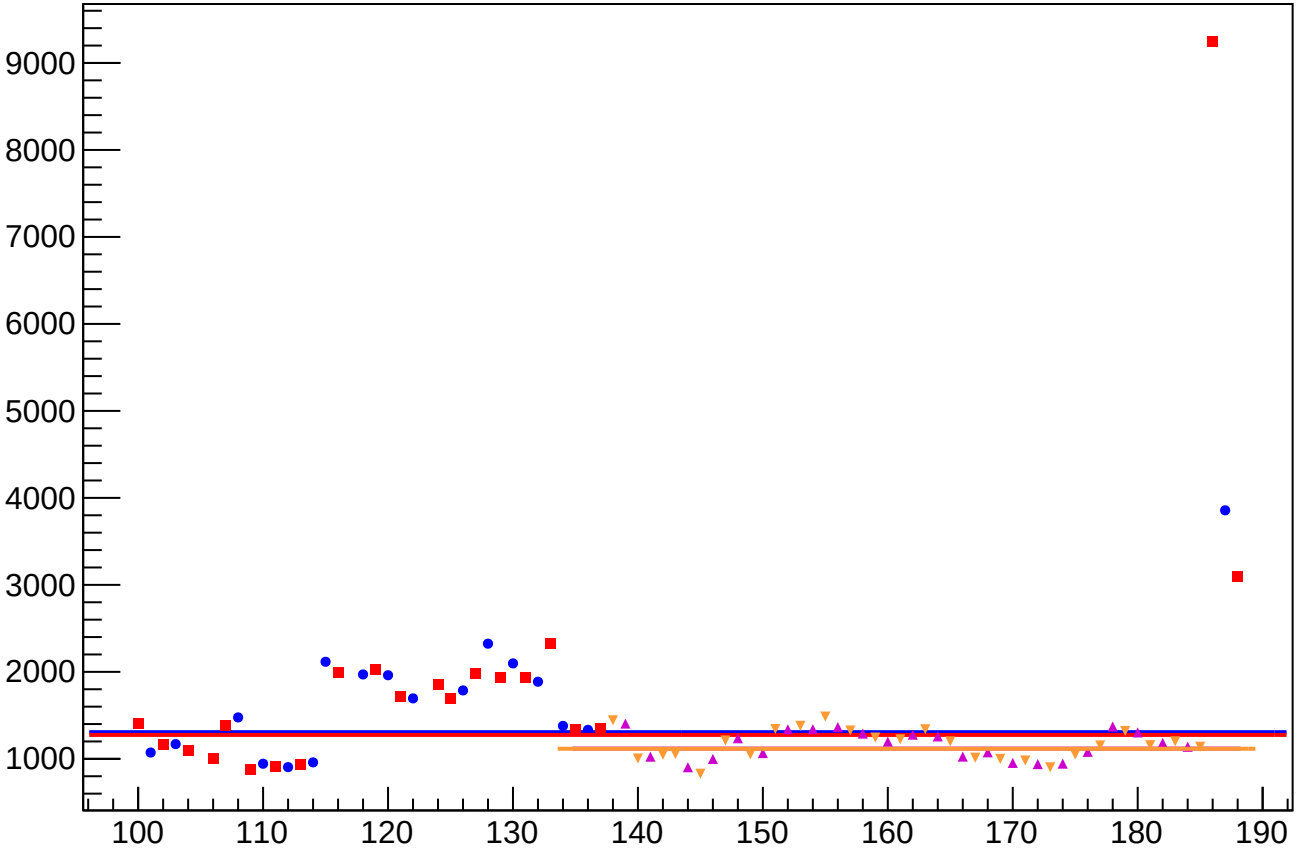
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

\+ sign -1077.417+/-229.054 χ^2/NDF: 80.6/41

All: -745.386+/-162.344 χ^2/NDF: 126.6/85

\- sign -410.230+/-230.129 χ^2/NDF: 41.9/43

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1306.576+/-0.357 χ^2/NDF: 1347555.2/16

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1275.199+/-0.331 χ^2/NDF: 2674159.0/20

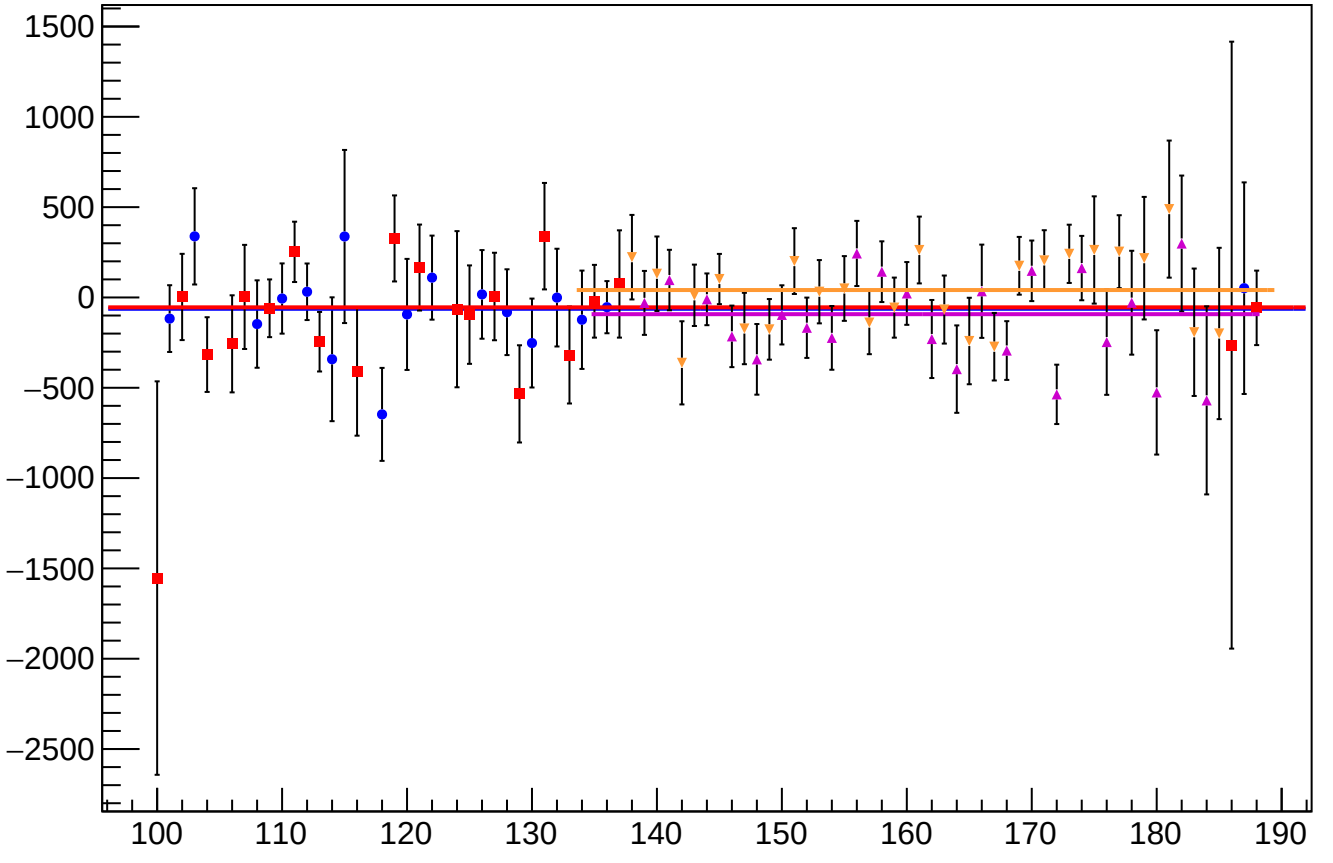
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1155.174+/-0.162 χ^2/NDF: 2440944.4/41

All: 1155.571+/-0.115 χ^2/NDF: 6016234.2/85

- sign 1155.972+/-0.163 χ^2/NDF: 3575277.7/43

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -62.708+/-56.469 χ^2/NDF: 10.9/16

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -54.728+/-52.883 χ^2/NDF: 19.5/20

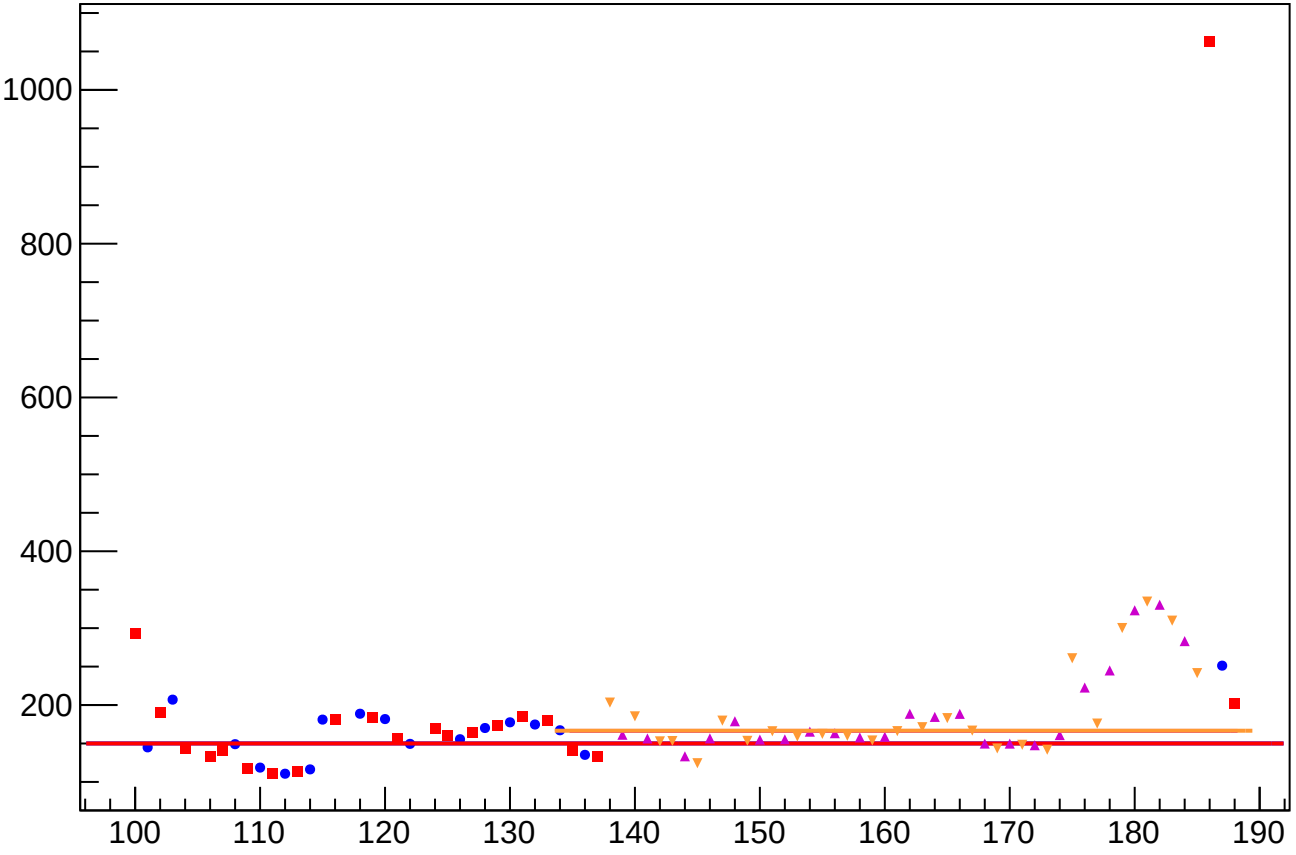
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 7.362+/-32.189 χ^2/NDF: 35.4/41

All: -35.950+/-22.689 χ^2/NDF: 88.4/85

- sign -78.718+/-31.986 χ^2/NDF: 49.3/43

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 150.079+/-0.040 χ^2/NDF: 511203.1/16

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

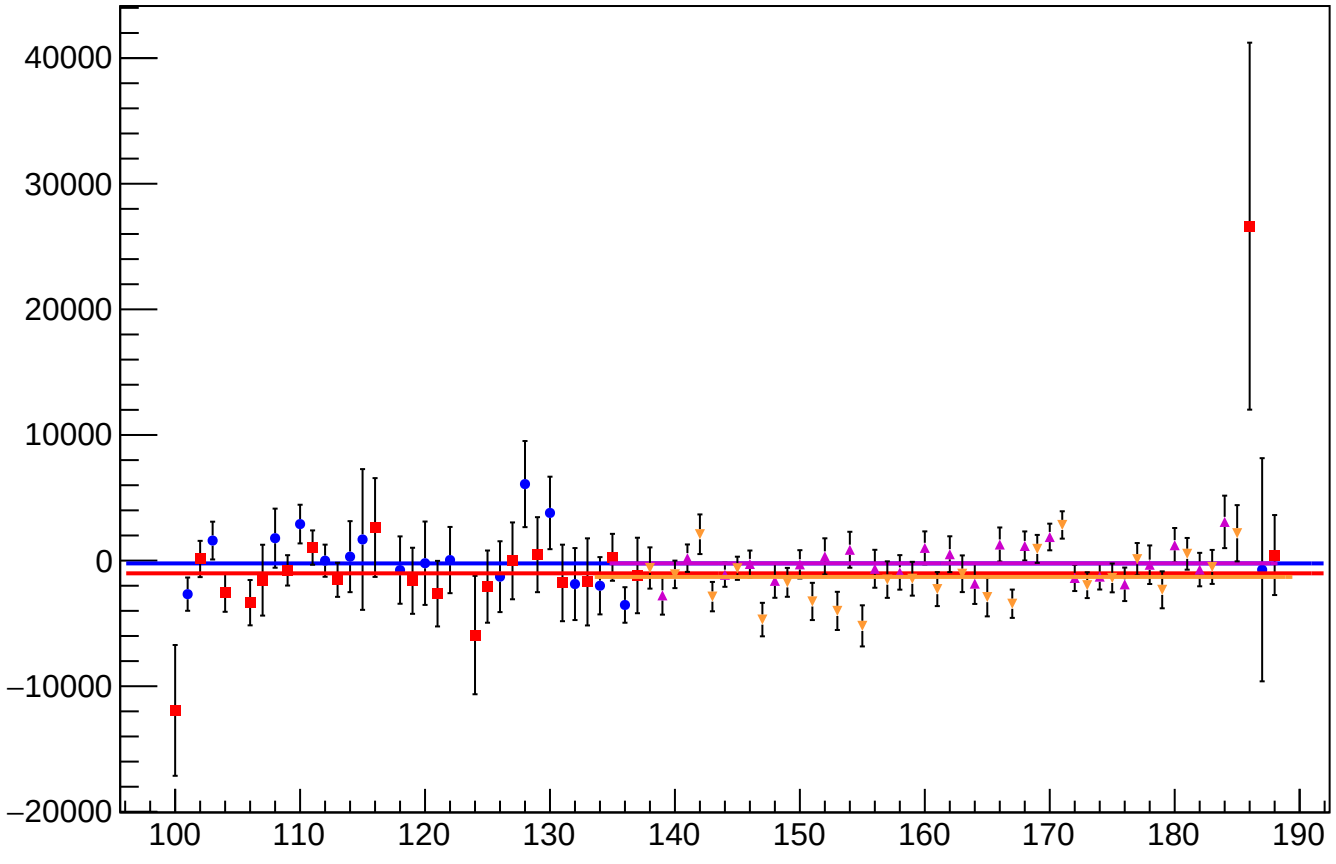
Right Out: 149.998+/-0.037 χ^2/NDF: 1255049.5/20

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 161.231+/-0.023 χ^2/NDF: 2346577.9/41

All: 160.783+/-0.016 χ^2/NDF: 5115498.9/85

- sign 160.341+/-0.023 χ^2/NDF: 2768152.2/43



Right In: -222.880+/-505.381 χ^2/NDF: 21.9/16

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1013.368+/-467.448 χ^2/NDF: 17.4/20

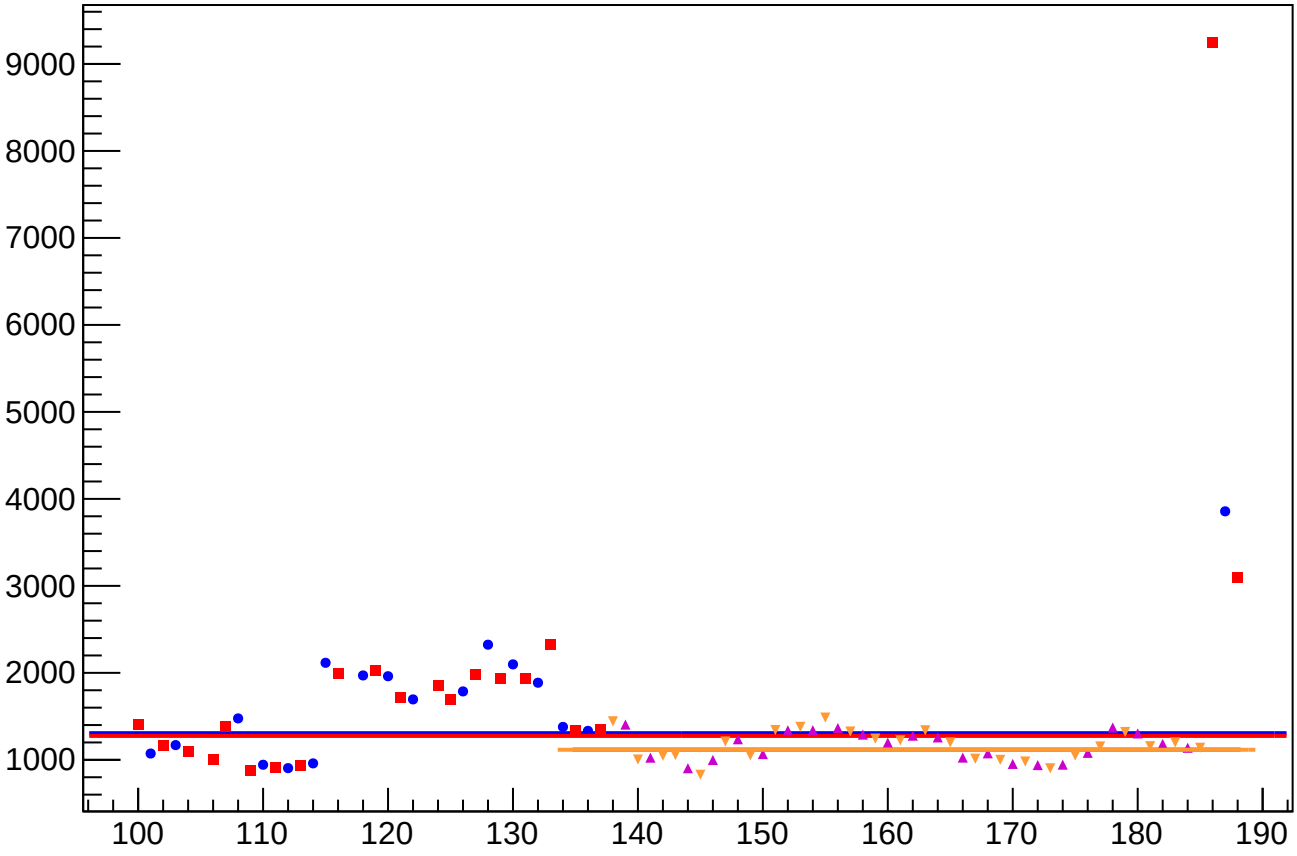
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1077.415+/-229.053 χ^2/NDF: 80.6/41

All: -745.384+/-162.344 χ^2/NDF: 126.6/85

- sign -410.228+/-230.129 χ^2/NDF: 41.9/43

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1306.575+/-0.357 χ^2/NDF: 1347559.2/16

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1275.197+/-0.331 χ^2/NDF: 2674159.9/20

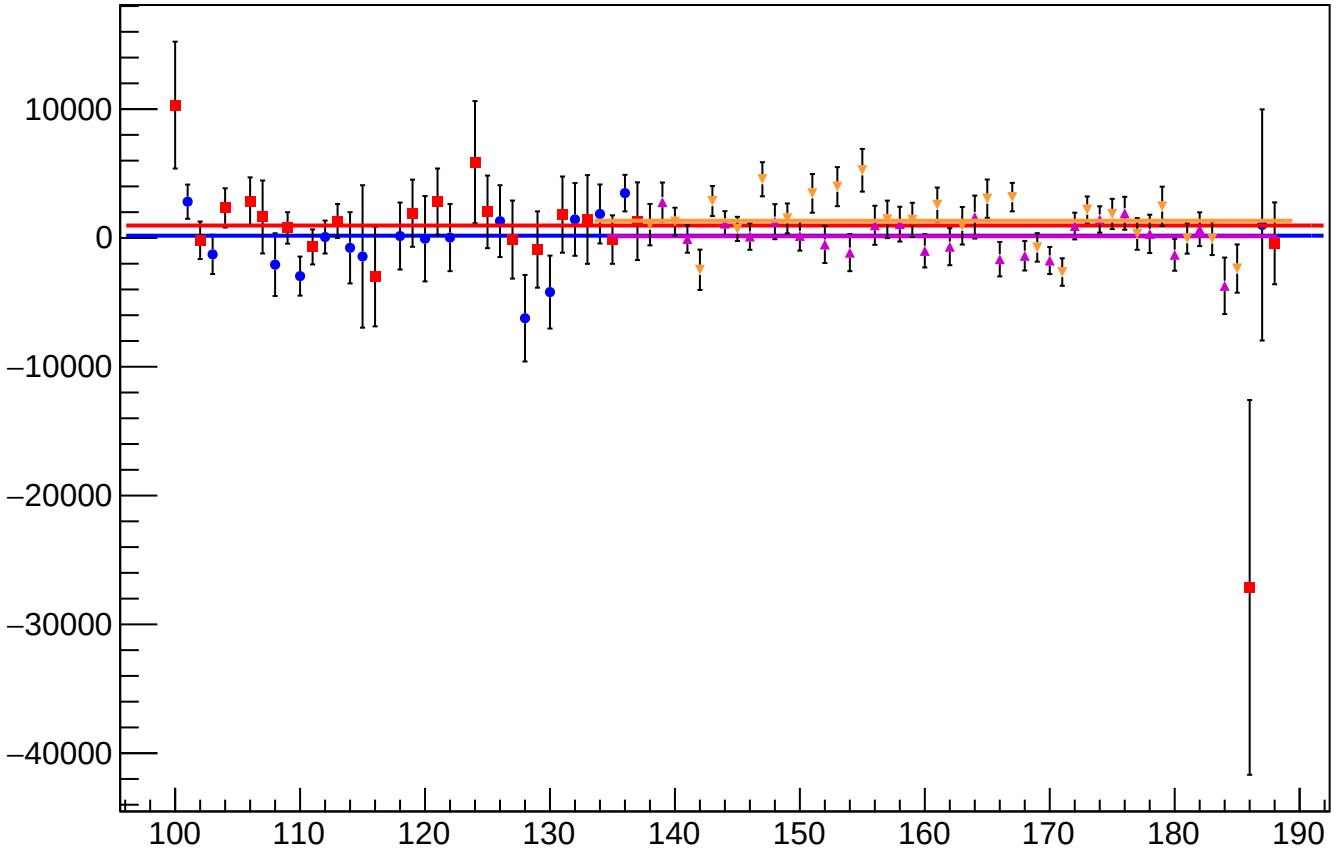
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1155.172+/-0.162 χ^2/NDF: 2440952.1/41

All: 1155.569+/-0.115 χ^2/NDF: 6016243.4/85

- sign 1155.970+/-0.163 χ^2/NDF: 3575279.2/43

asym_sam_48_avg_mean vs Slug



Right In: 173.698+/-504.337 χ^2/NDF: 22.6/16

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 963.618+/-466.648 χ^2/NDF: 15.5/20

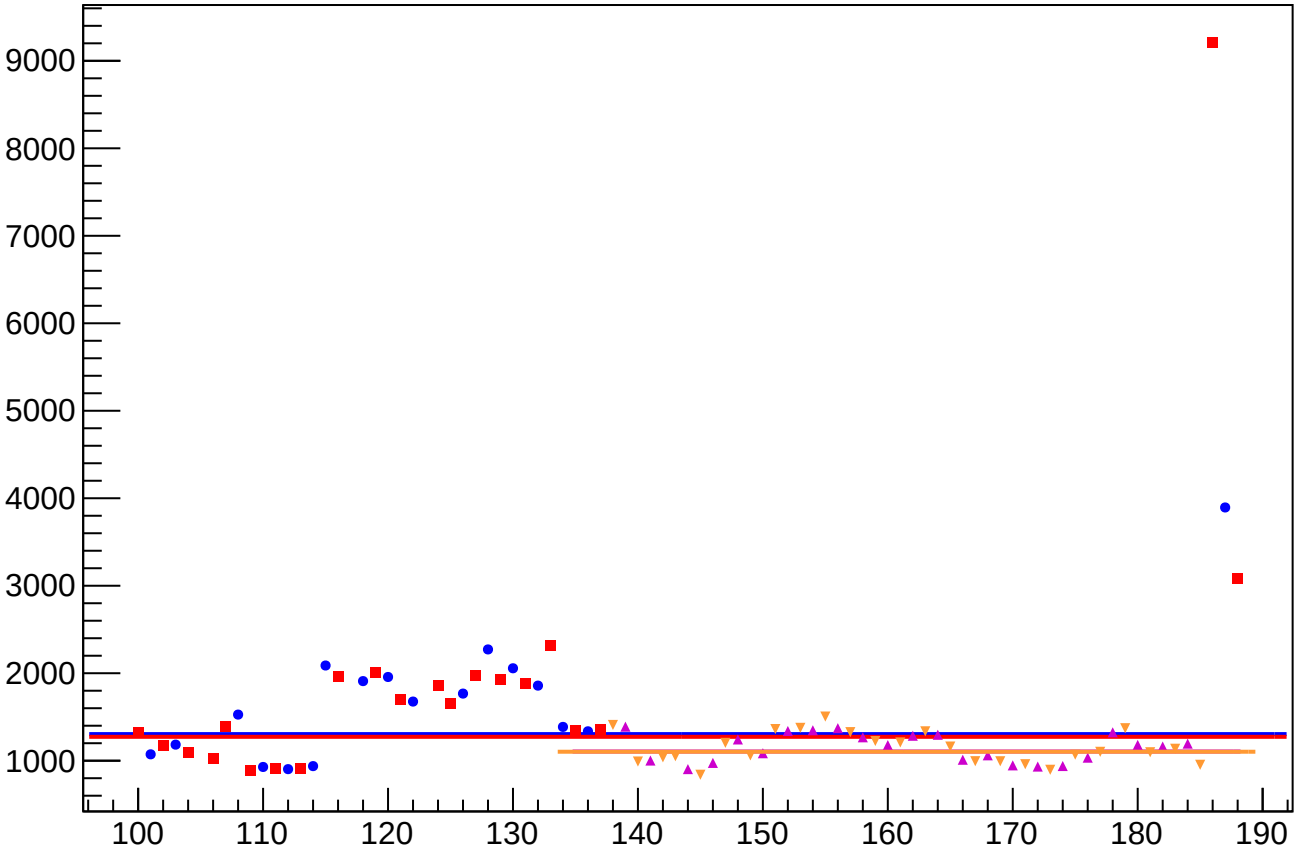
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1099.527+/-226.987 χ^2/NDF: 82.5/41

All: 715.533+/-160.885 χ^2/NDF: 130.2/85

- sign 327.877+/-228.067 χ^2/NDF: 41.9/43

asym_sam_48_avg_rms vs Slug



Right In: 1304.197+/-0.357 χ^2/NDF: 1321417.0/16

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

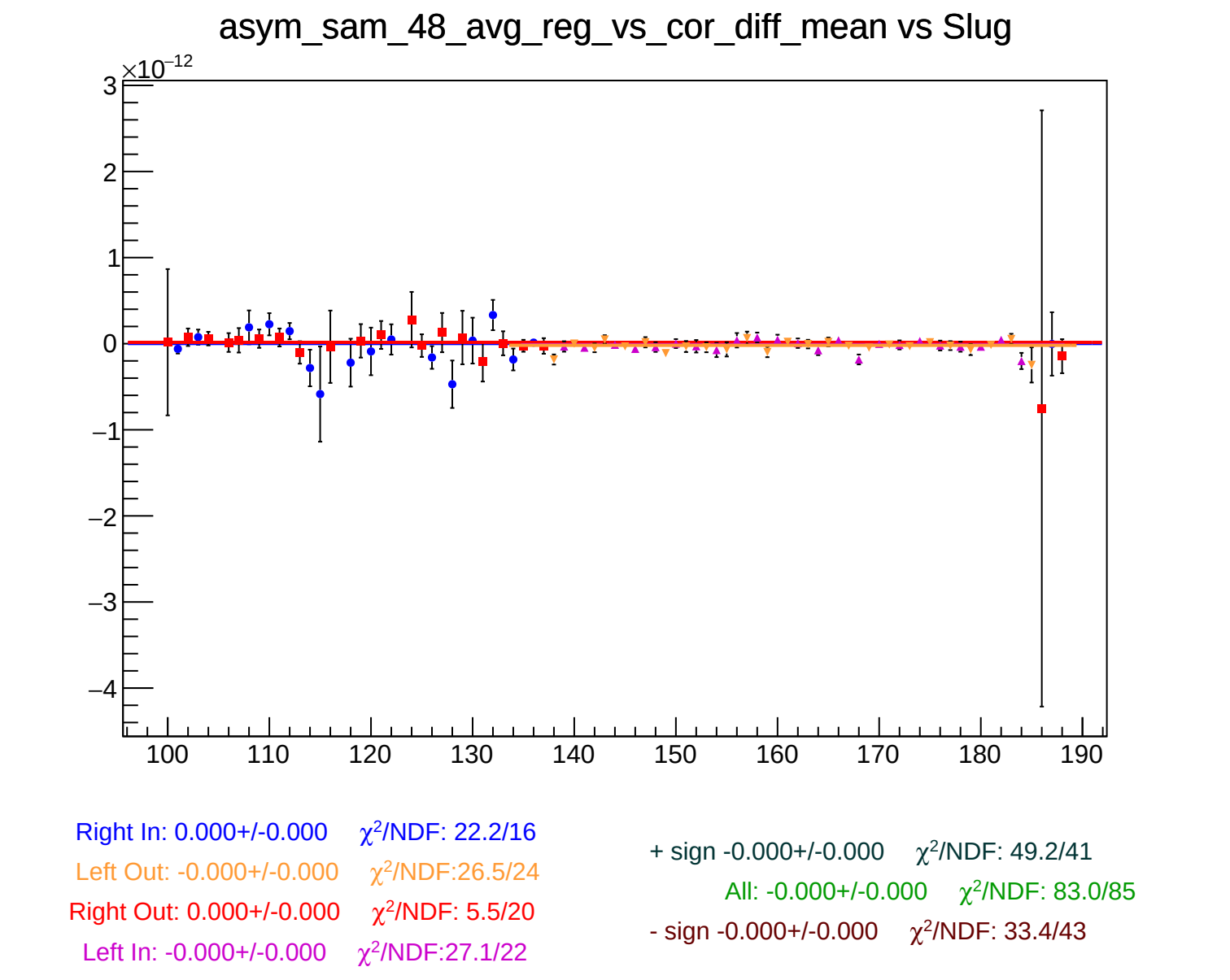
Right Out: 1273.233+/-0.330 χ^2/NDF: 2638932.5/20

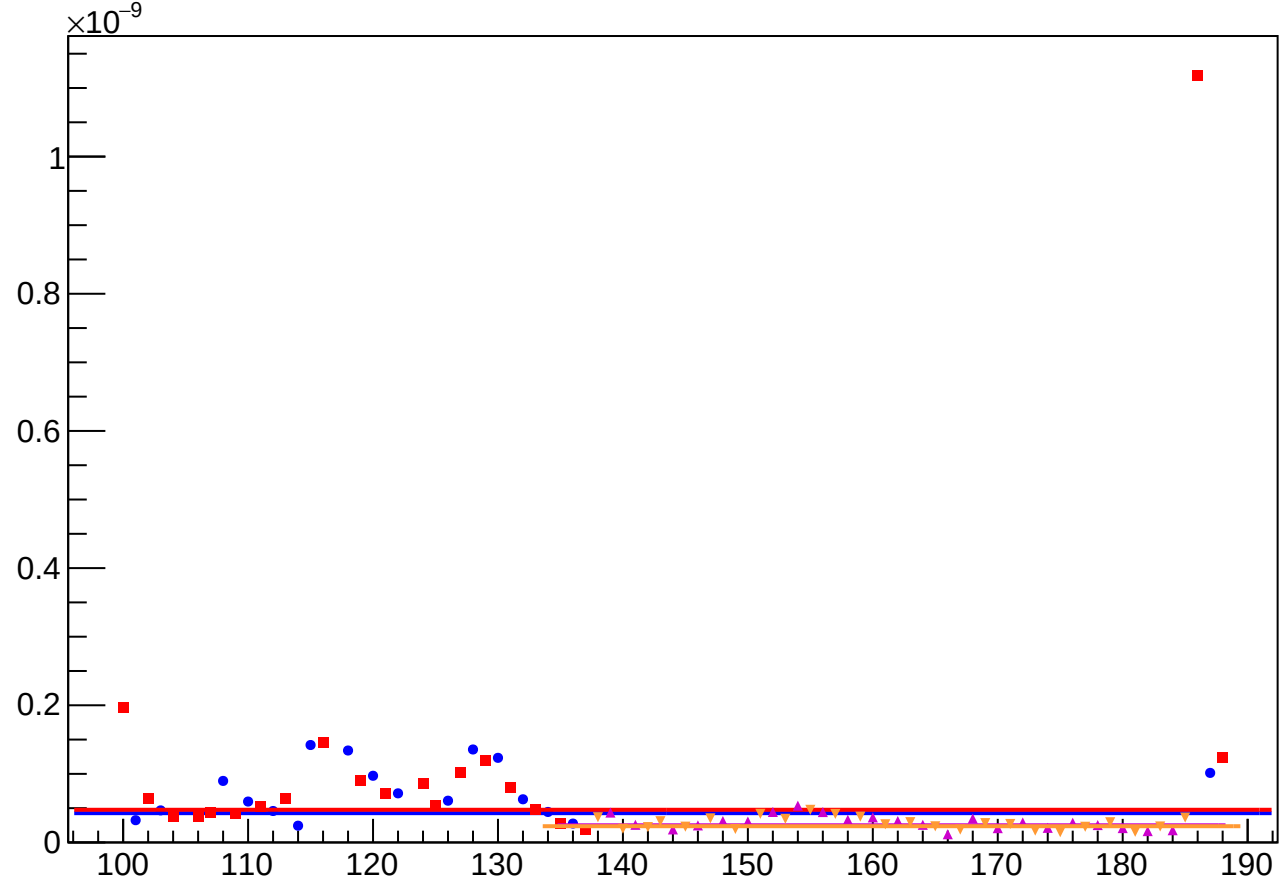
Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1143.516+/-0.161 χ^2/NDF: 2456463.2/41

All: 1144.422+/-0.114 χ^2/NDF: 6016144.4/85

- sign 1145.336+/-0.161 χ^2/NDF: 3559617.3/43


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 22.2/16
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 5.5/20
Left In: -0.000+/-0.000 χ²/NDF:27.1/22
+ sign -0.000+/-0.000 χ²/NDF: 49.2/41
All: -0.000+/-0.000 χ²/NDF: 83.0/85
- sign -0.000+/-0.000 χ²/NDF: 33.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 1392406.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1611148.2/20

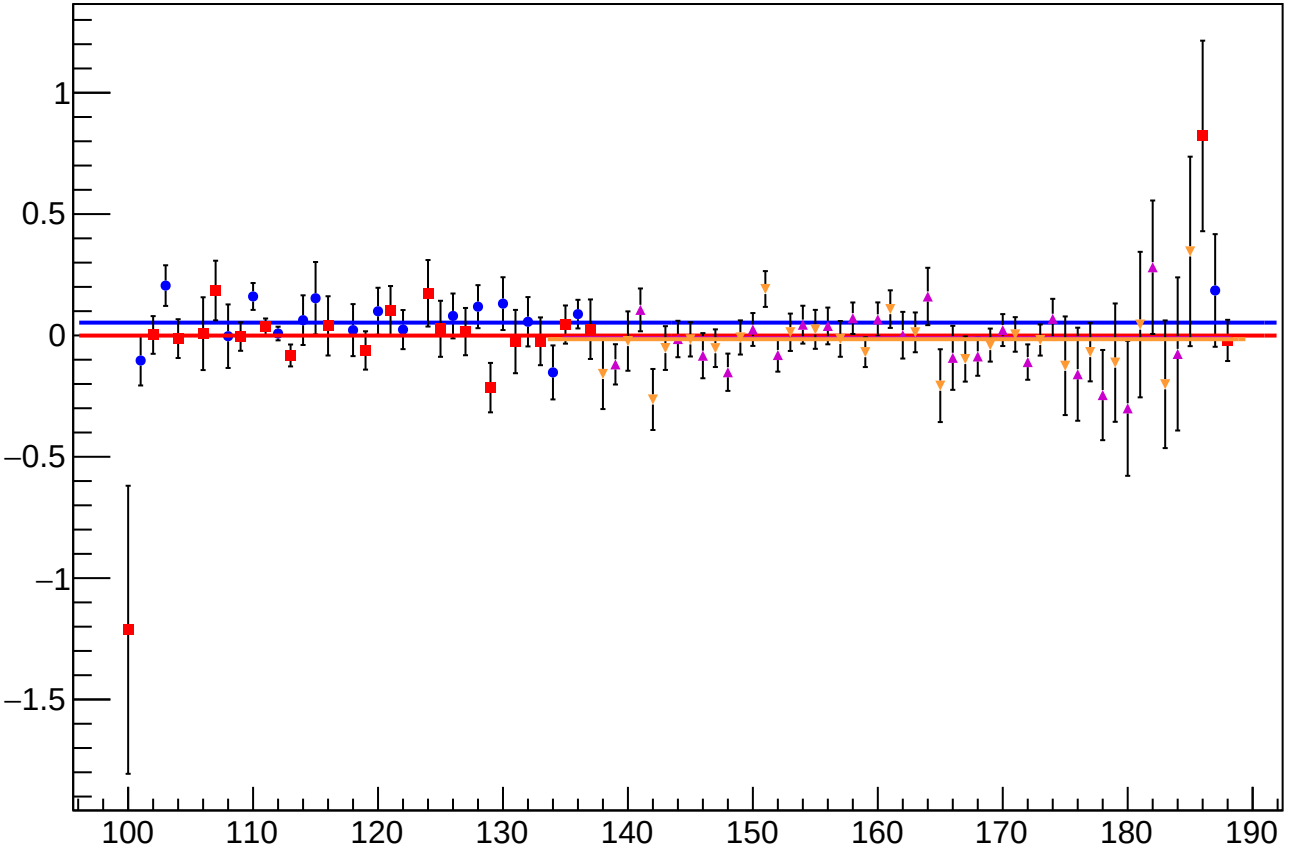
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 3731330.7/41

All: 0.000+/-0.000 χ^2/NDF: 8042878.0/85

- sign 0.000+/-0.000 χ^2/NDF: 4269175.9/43

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.001+/-0.018 χ^2/NDF: 23.7/20

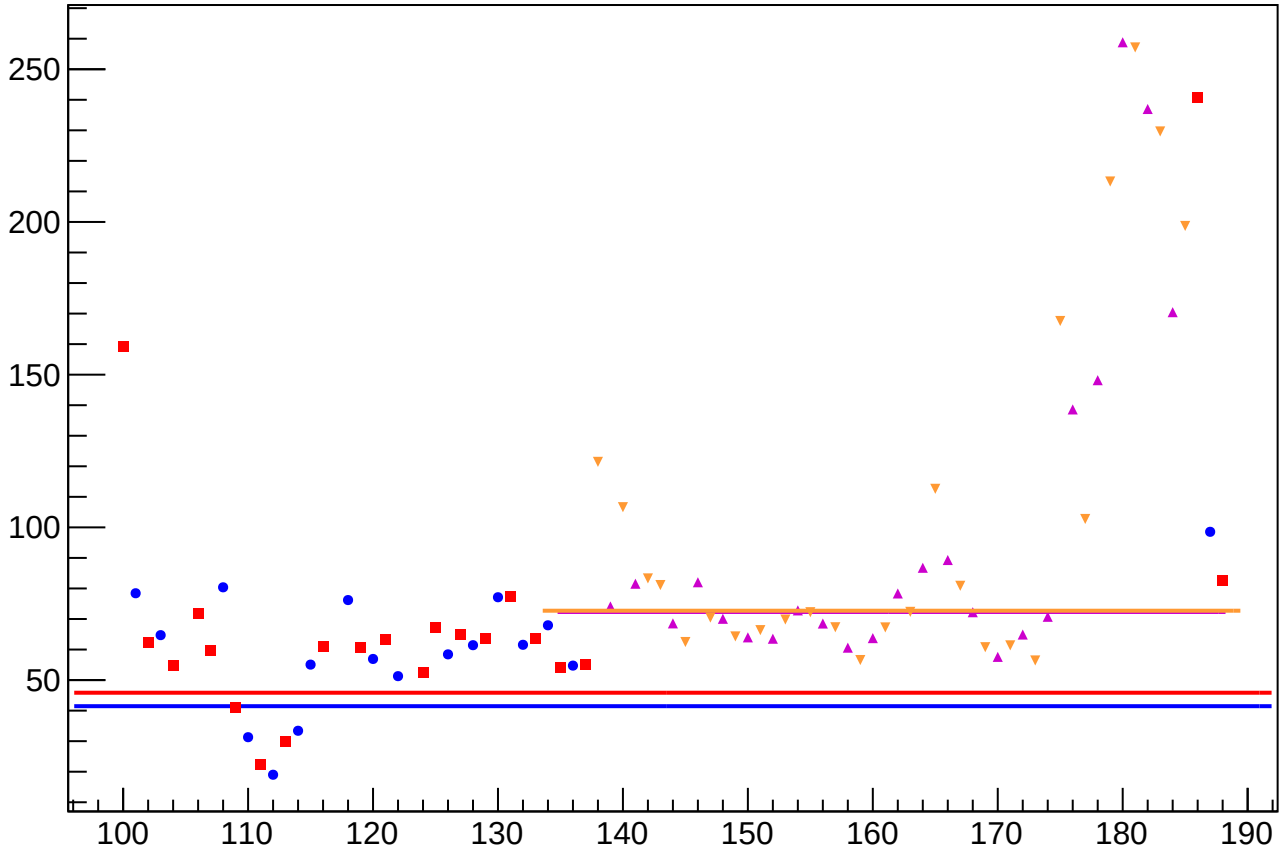
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 47.3/41

All: 0.007+/-0.009 χ^2/NDF: 96.4/85

- sign -0.006+/-0.013 χ^2/NDF: 47.2/43

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.455+/-0.013 χ^2/NDF: 3047078.4/16

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

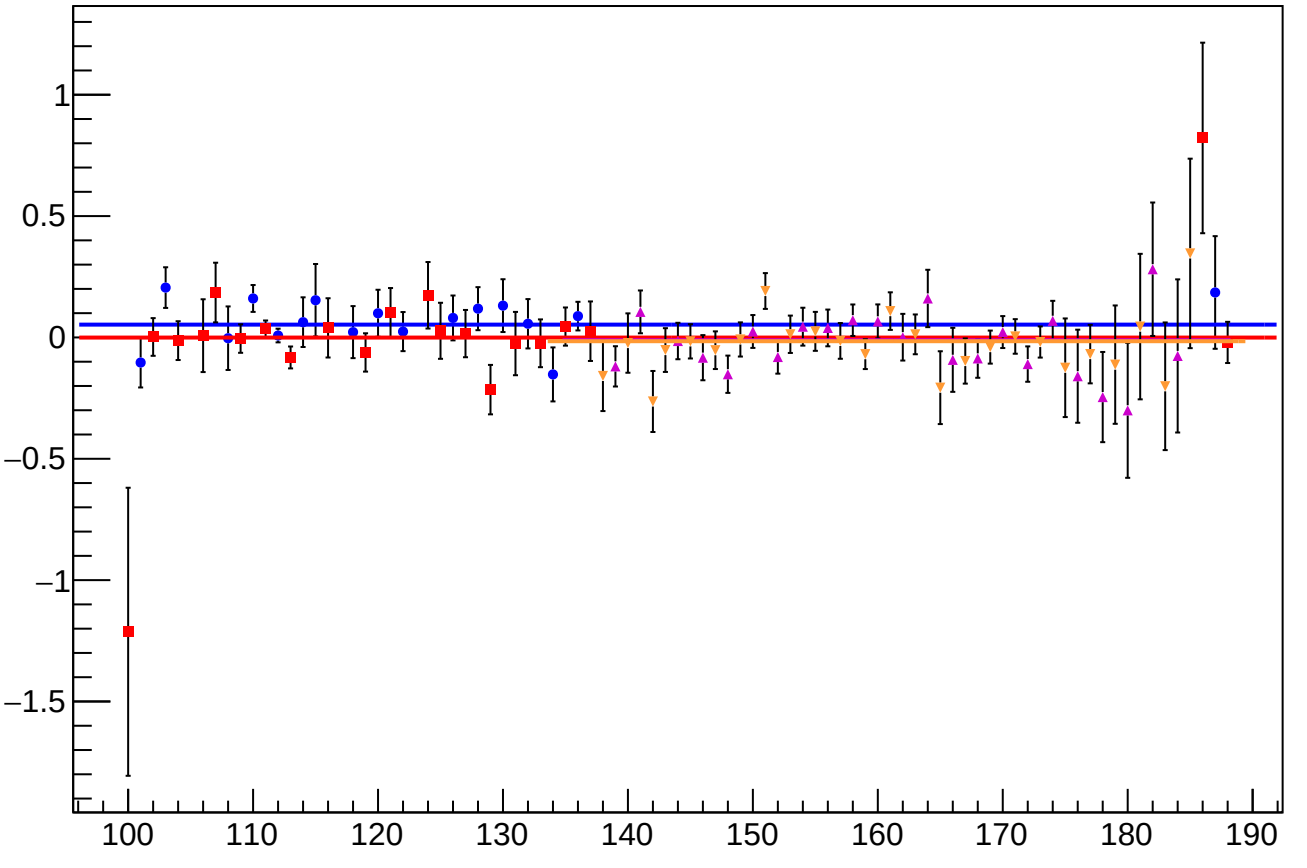
Right Out: 45.860+/-0.012 χ^2/NDF: 2942799.2/20

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 56.874+/-0.009 χ^2/NDF: 10078218.7/41

All: 57.704+/-0.006 χ^2/NDF: 18011781.5/85

- sign 58.538+/-0.009 χ^2/NDF: 7916184.3/43



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

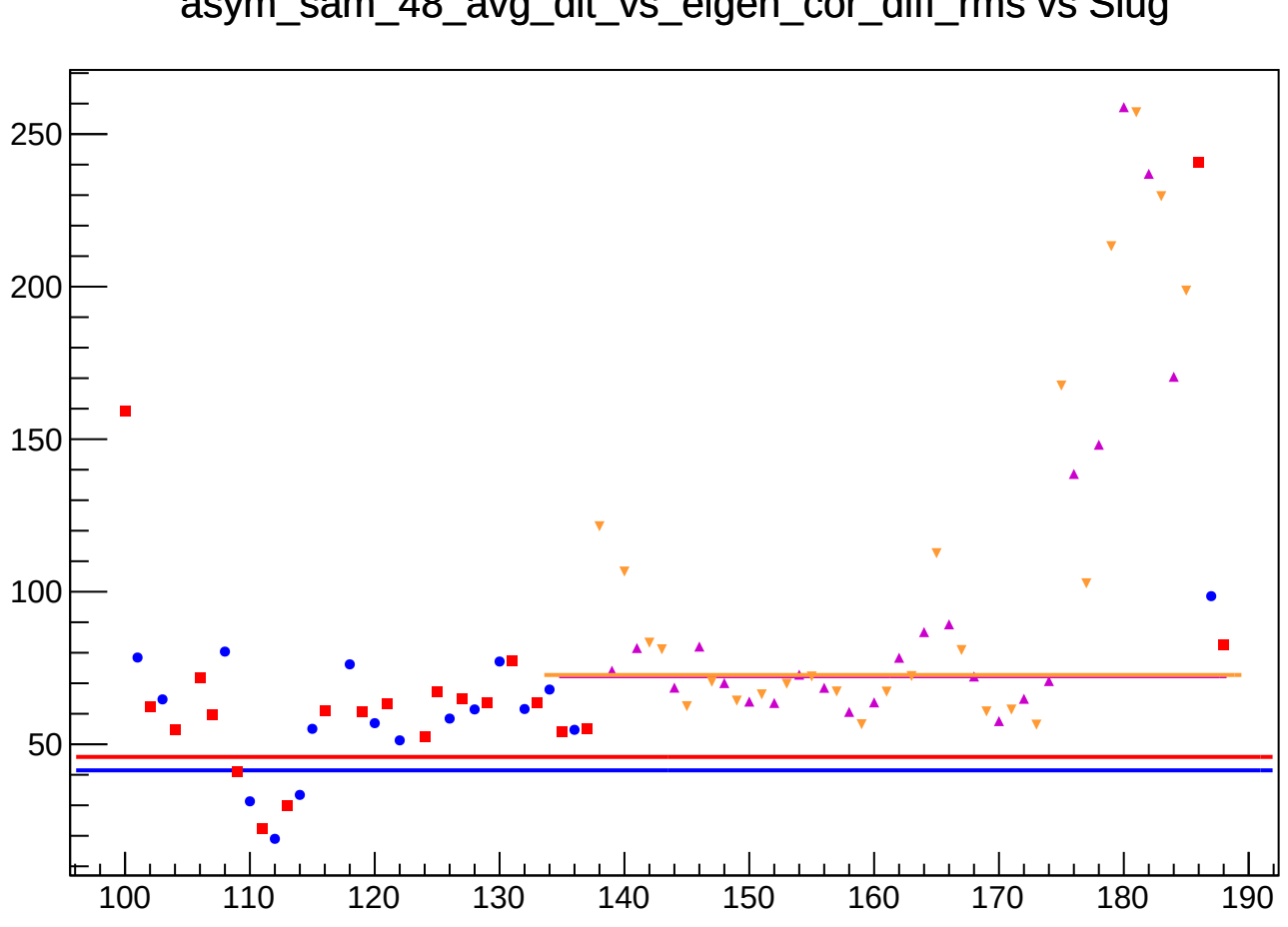
Right Out: -0.001+/-0.018 χ^2/NDF: 23.7/20

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 47.3/41

All: 0.007+/-0.009 χ^2/NDF: 96.4/85

- sign -0.006+/-0.013 χ^2/NDF: 47.2/43



Right In: 41.455+/-0.013 χ^2/NDF: 3047078.4/16

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

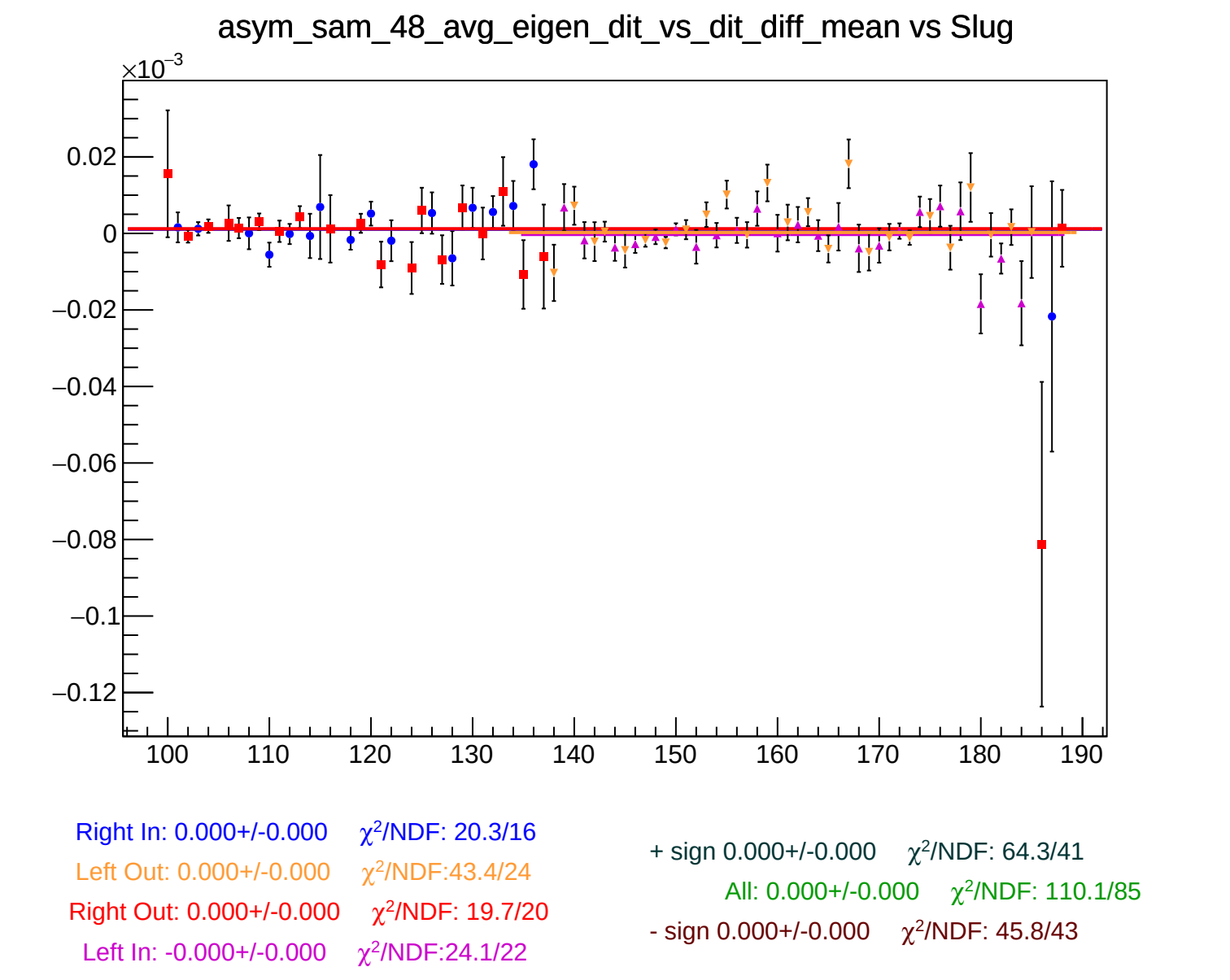
Right Out: 45.860+/-0.012 χ^2/NDF: 2942799.2/20

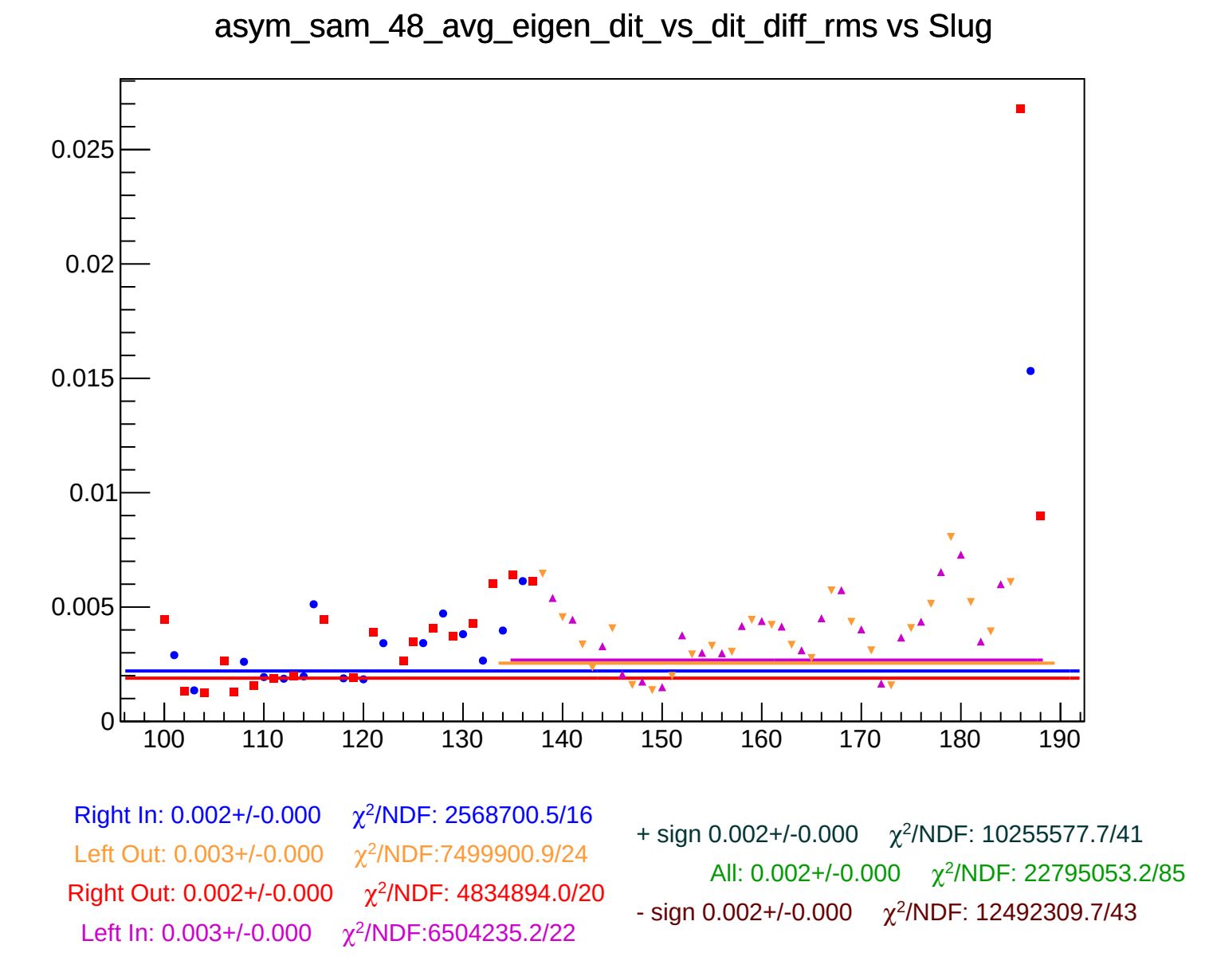
Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

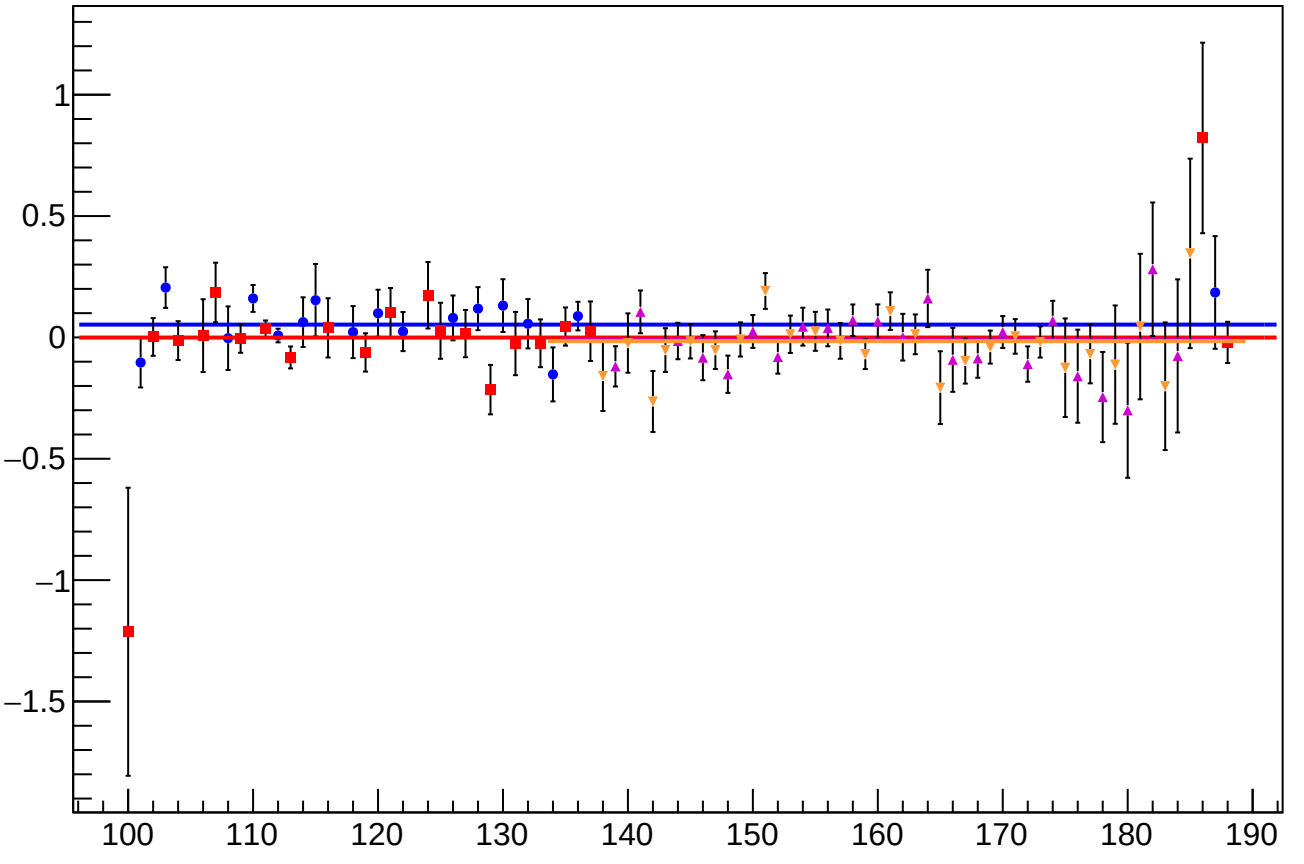
+ sign 56.874+/-0.009 χ^2/NDF: 10078218.7/41

All: 57.704+/-0.006 χ^2/NDF: 18011781.5/85

- sign 58.538+/-0.009 χ^2/NDF: 7916184.3/43


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 20.3/16
Left Out: 0.000+/-0.000 χ²/NDF:43.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.7/20
Left In: -0.000+/-0.000 χ²/NDF:24.1/22
+ sign 0.000+/-0.000 χ²/NDF: 64.3/41
All: 0.000+/-0.000 χ²/NDF: 110.1/85
- sign 0.000+/-0.000 χ²/NDF: 45.8/43


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 2568700.5/16
Left Out: 0.003+/-0.000 χ²/NDF:7499900.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 4834894.0/20
Left In: 0.003+/-0.000 χ²/NDF:6504235.2/22
+ sign 0.002+/-0.000 χ²/NDF: 10255577.7/41
All: 0.002+/-0.000 χ²/NDF: 22795053.2/85
- sign 0.002+/-0.000 χ²/NDF: 12492309.7/43



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.001+/-0.018 χ^2/NDF: 23.7/20

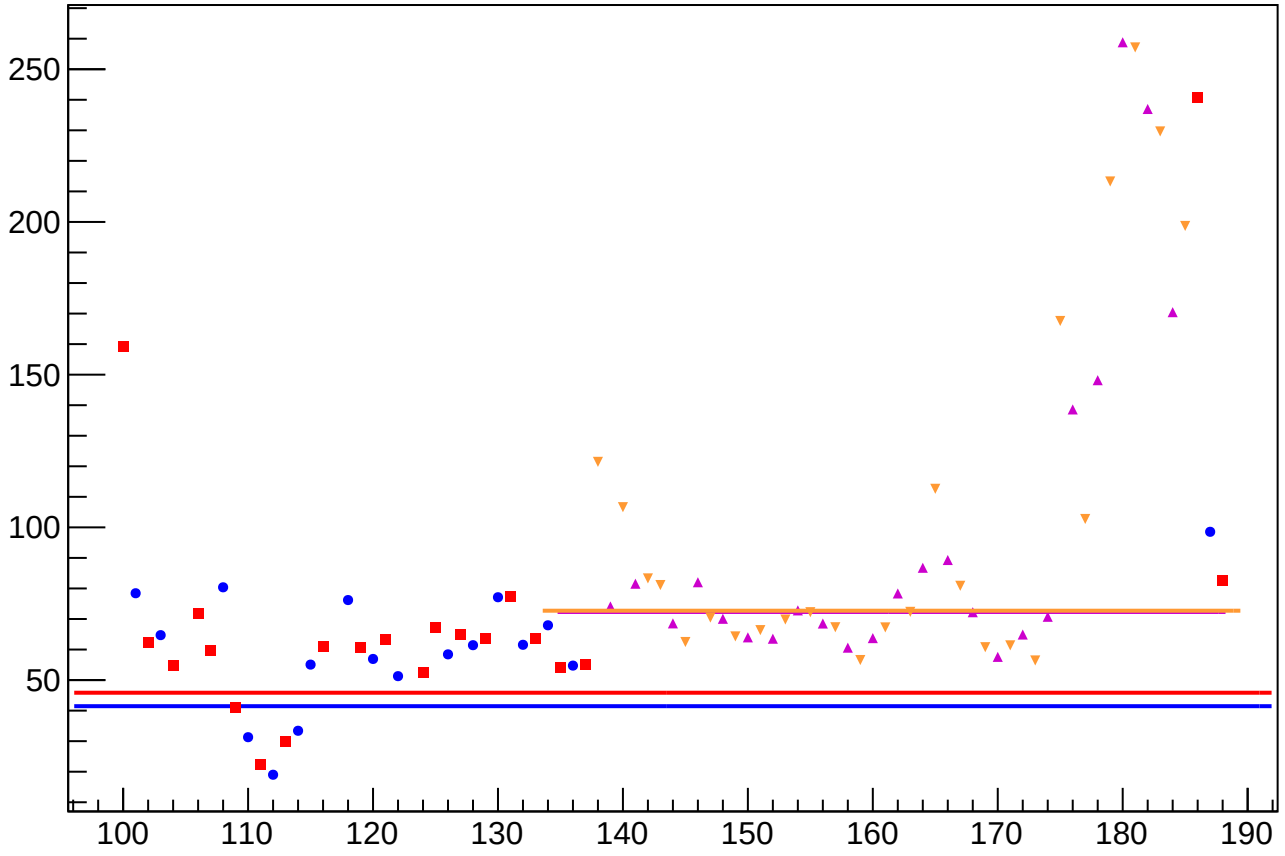
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 47.3/41

All: 0.007+/-0.009 χ^2/NDF: 96.4/85

- sign -0.006+/-0.013 χ^2/NDF: 47.2/43

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.454+/-0.013 χ^2/NDF: 3047246.8/16

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

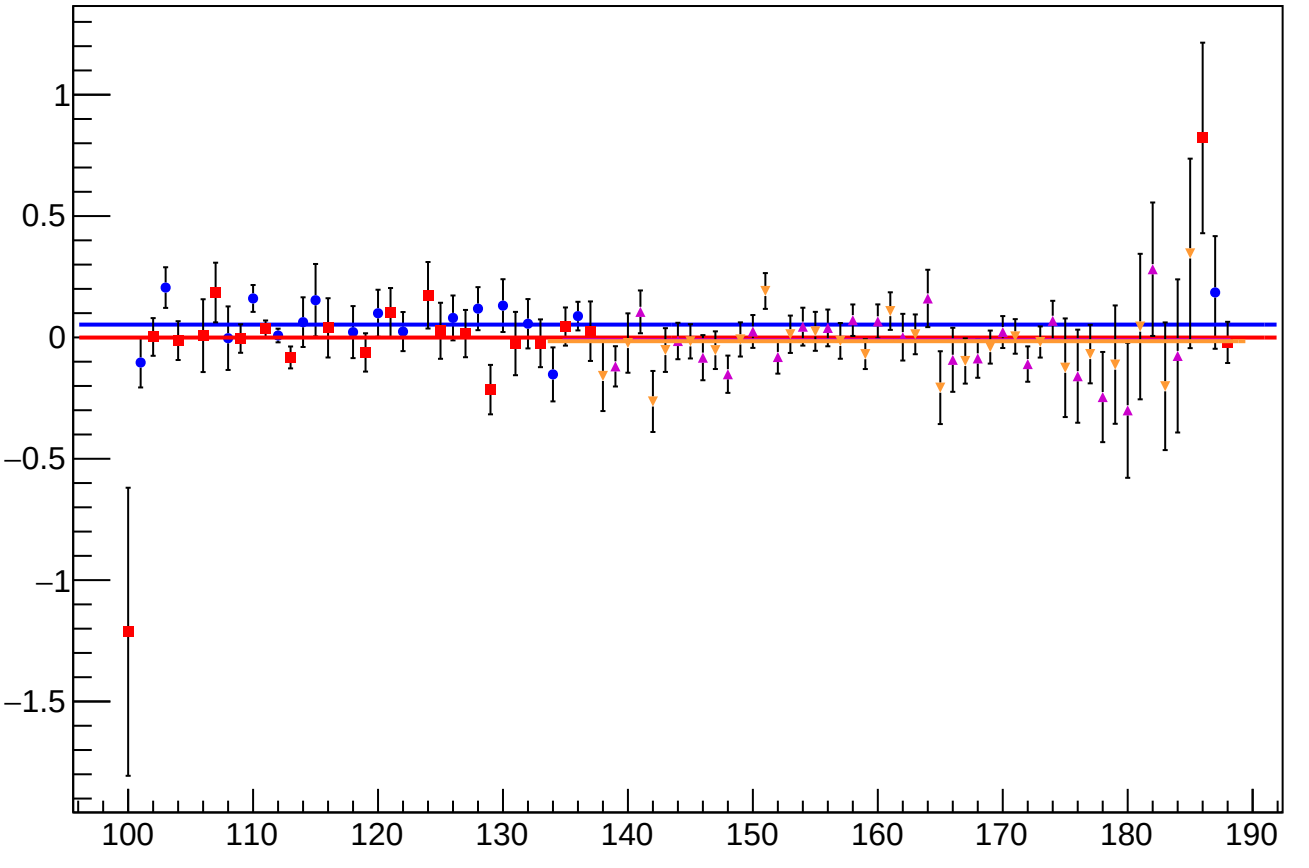
Right Out: 45.859+/-0.012 χ^2/NDF: 2942988.1/20

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 56.873+/-0.009 χ^2/NDF: 10078653.4/41

All: 57.704+/-0.006 χ^2/NDF: 18012595.6/85

- sign 58.538+/-0.009 χ^2/NDF: 7916562.1/43



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

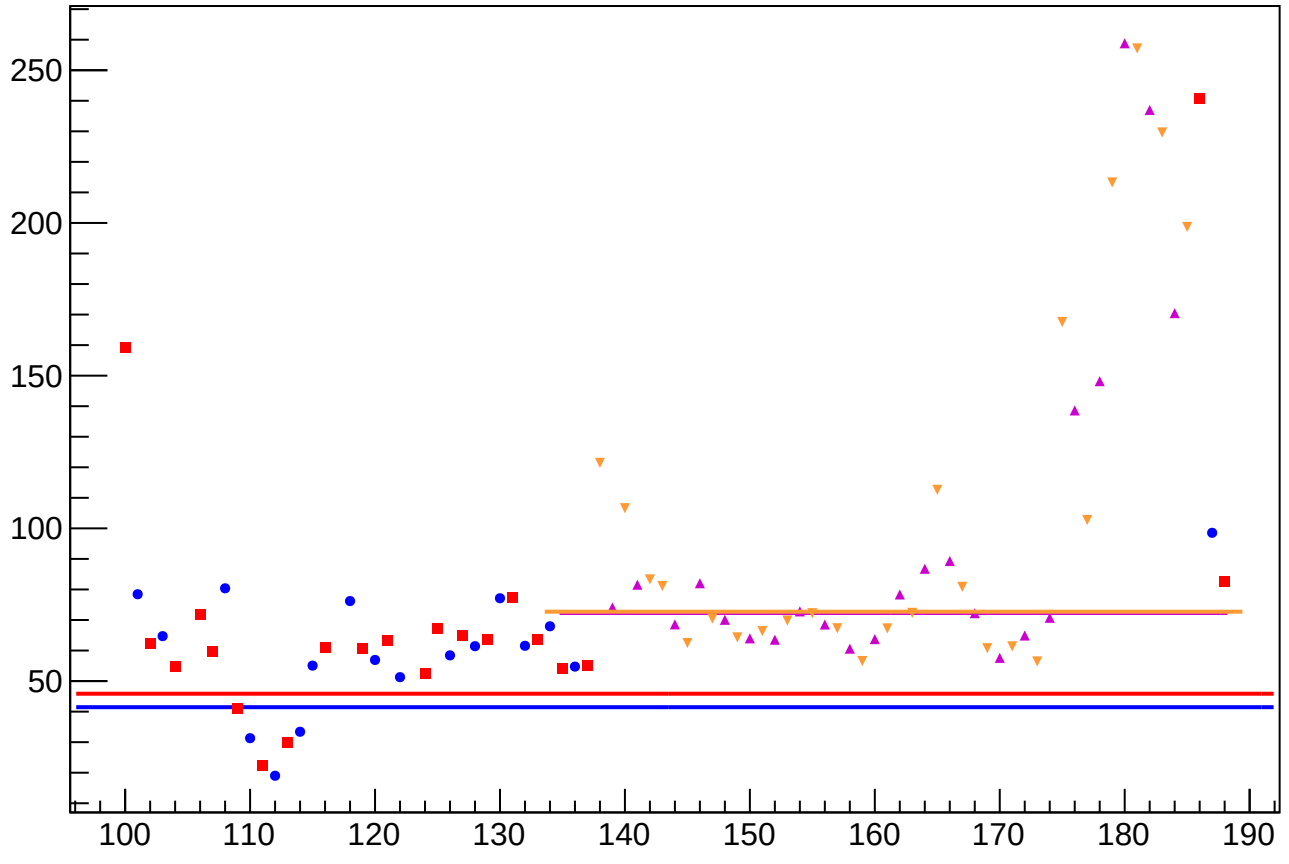
Right Out: -0.001+/-0.018 χ^2/NDF: 23.7/20

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 47.3/41

All: 0.007+/-0.009 χ^2/NDF: 96.4/85

- sign -0.006+/-0.013 χ^2/NDF: 47.2/43



Right In: 41.454+/-0.013 χ^2/NDF: 3047246.8/16

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

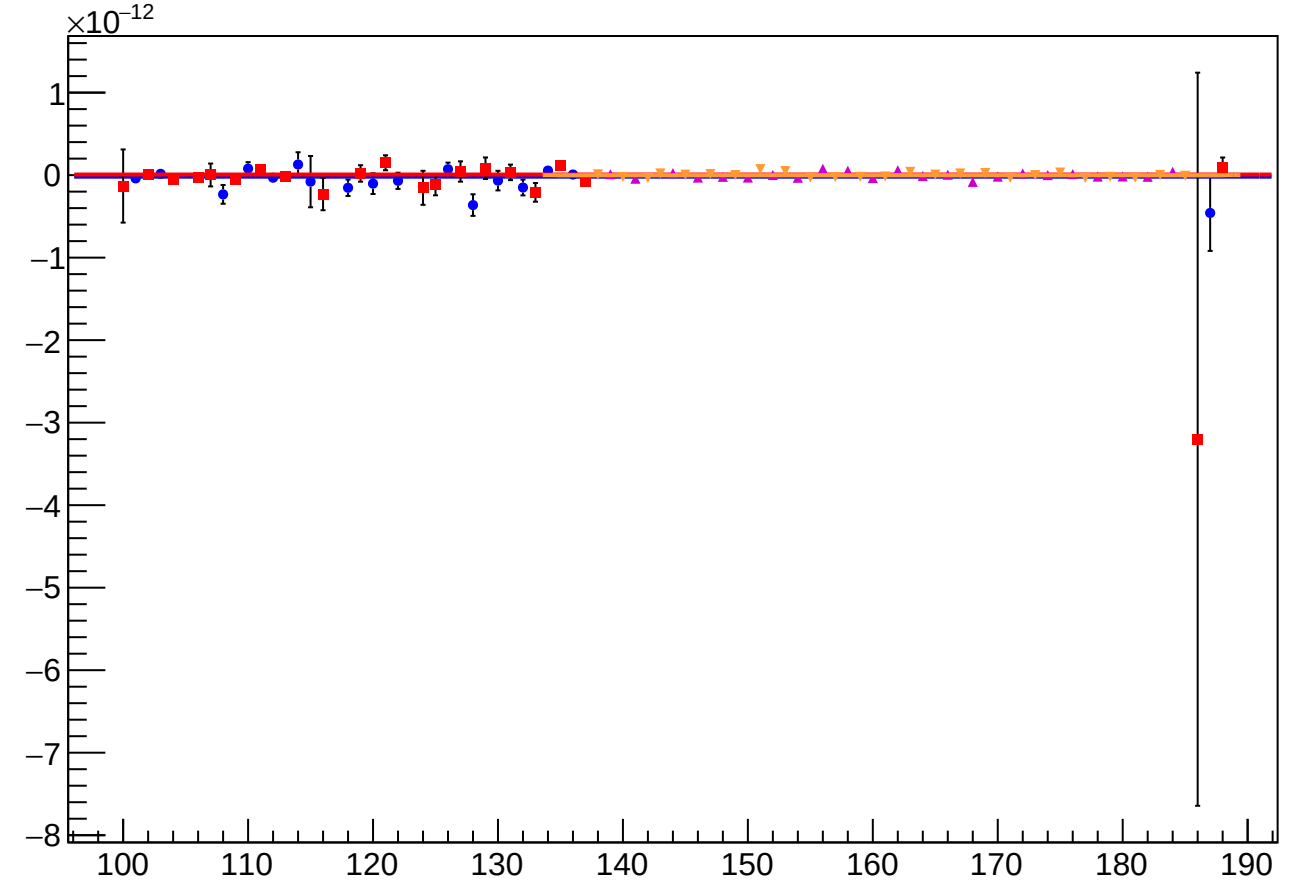
Right Out: 45.859+/-0.012 χ^2/NDF: 2942988.1/20

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 56.873+/-0.009 χ^2/NDF: 10078653.4/41

All: 57.704+/-0.006 χ^2/NDF: 18012595.6/85

- sign 58.538+/-0.009 χ^2/NDF: 7916562.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

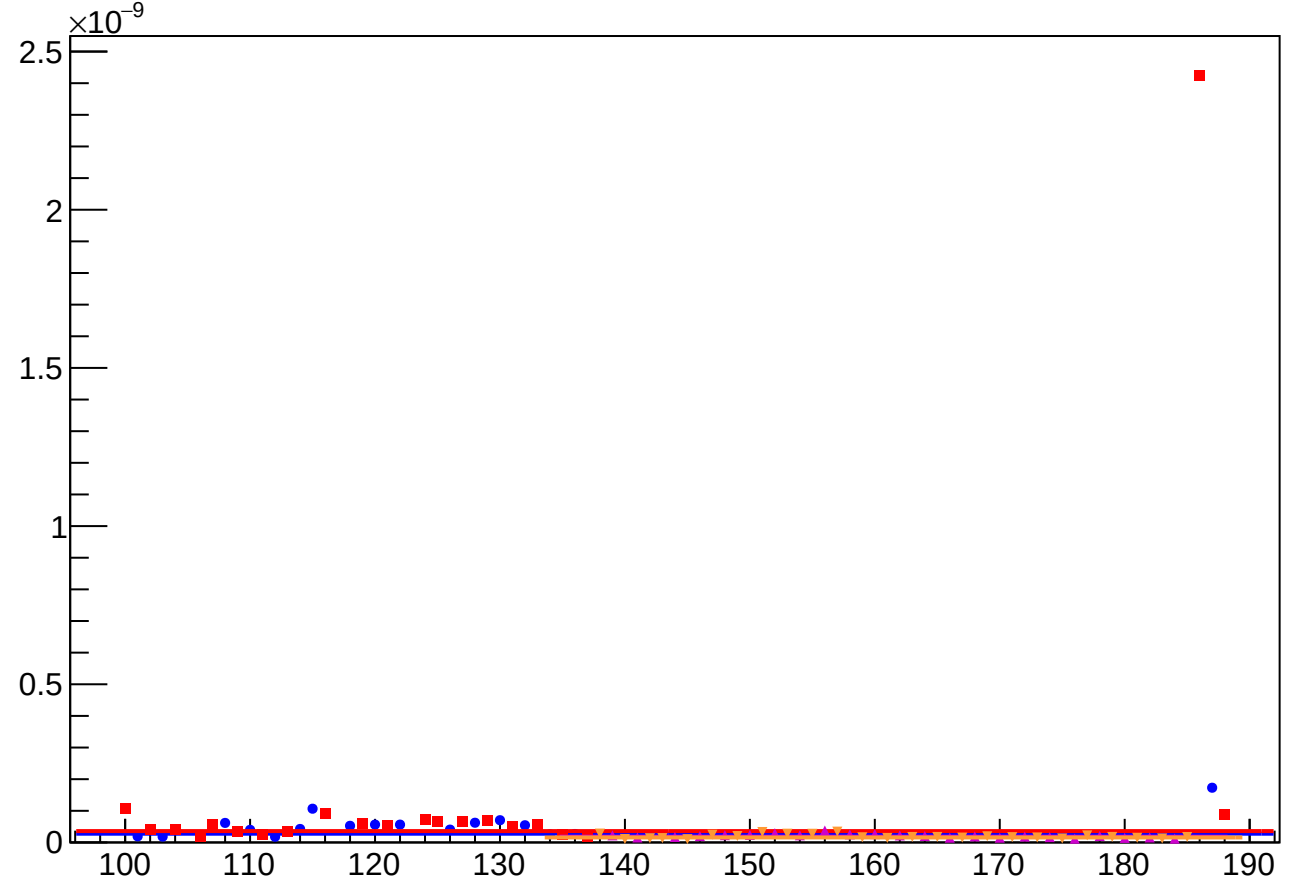
Right Out: 0.000+/-0.000 χ^2/NDF: 24.4/20

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.2/41

All: -0.000+/-0.000 χ^2/NDF: 116.6/85

- sign -0.000+/-0.000 χ^2/NDF: 63.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 1999504.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2653454.8/20

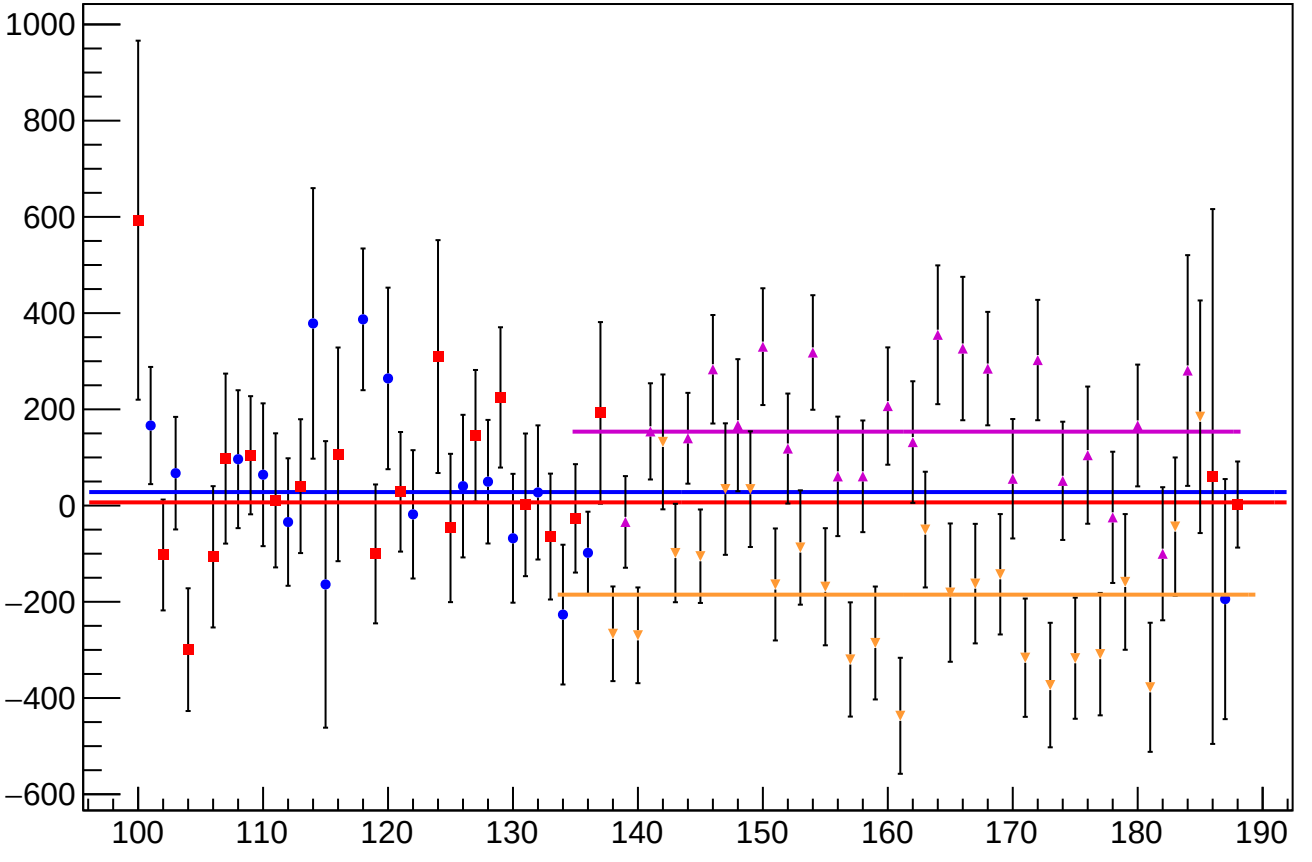
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5552493.8/41

All: 0.000+/-0.000 χ^2/NDF: 12293932.0/85

- sign 0.000+/-0.000 χ^2/NDF: 6371206.1/43

reg_asym_sam_15_dd_mean vs Slug



Right In: 28.062+/-34.106 χ^2/NDF: 18.1/16

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 6.638+/-31.258 χ^2/NDF: 17.8/20

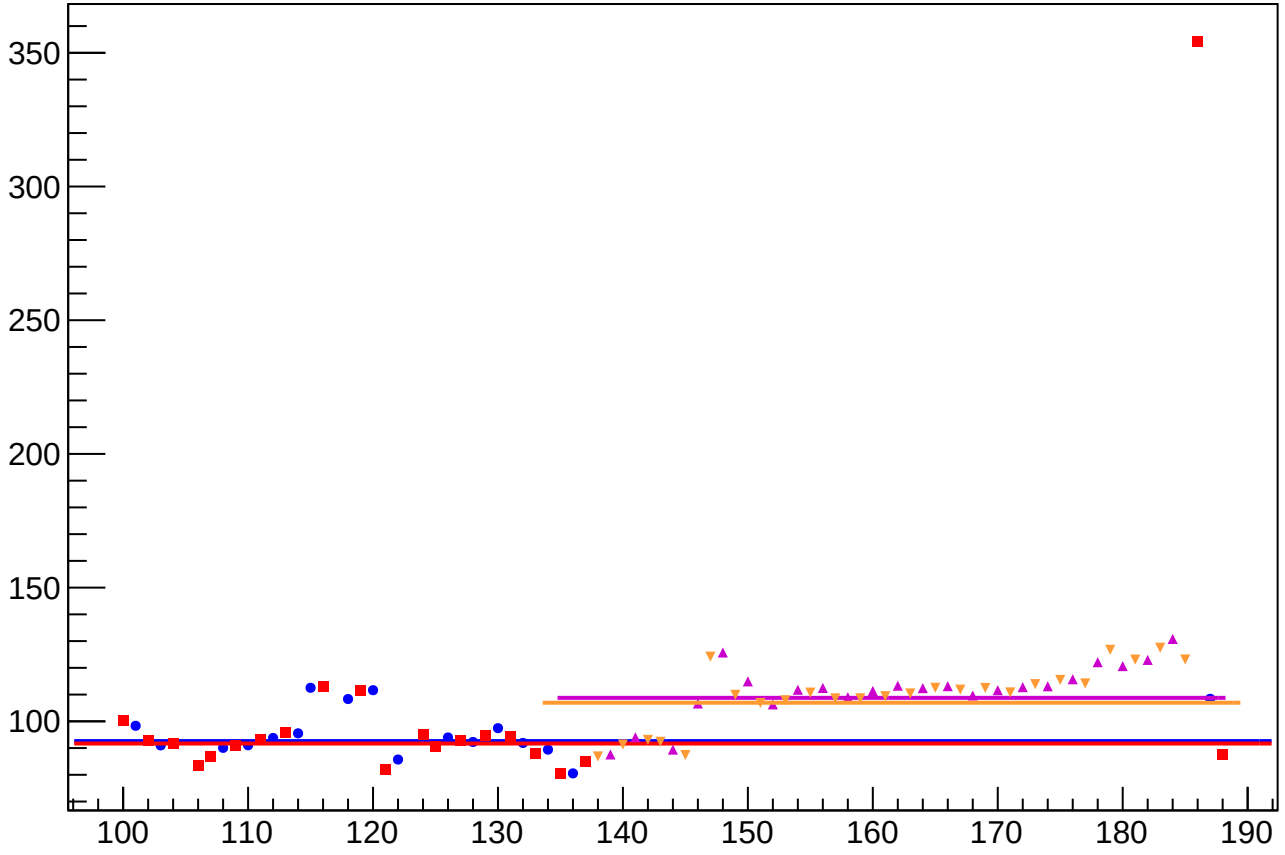
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -112.759+/-19.873 χ^2/NDF: 77.0/41

All: -8.484+/-14.018 χ^2/NDF: 186.3/85

- sign 94.787+/-19.777 χ^2/NDF: 54.6/43

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.604+/-0.024 χ^2/NDF: 115260.4/16

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 91.694+/-0.022 χ^2/NDF: 555182.4/20

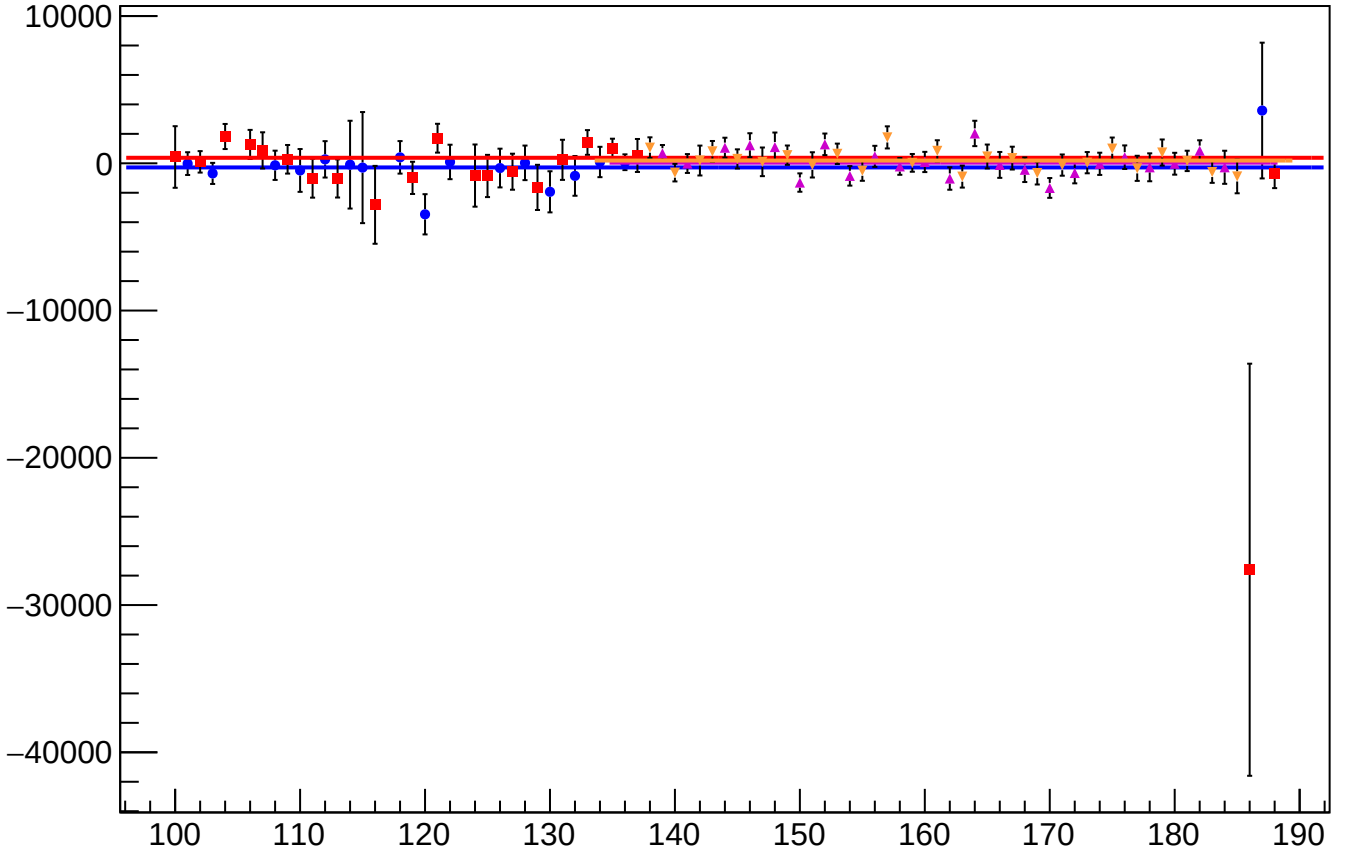
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 102.082+/-0.014 χ^2/NDF: 813400.0/41

All: 102.011+/-0.010 χ^2/NDF: 2085460.3/85

- sign 101.941+/-0.014 χ^2/NDF: 1272009.7/43

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -280.495+/-259.281 χ^2/NDF: 9.5/16

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 374.715+/-240.845 χ^2/NDF: 22.2/20

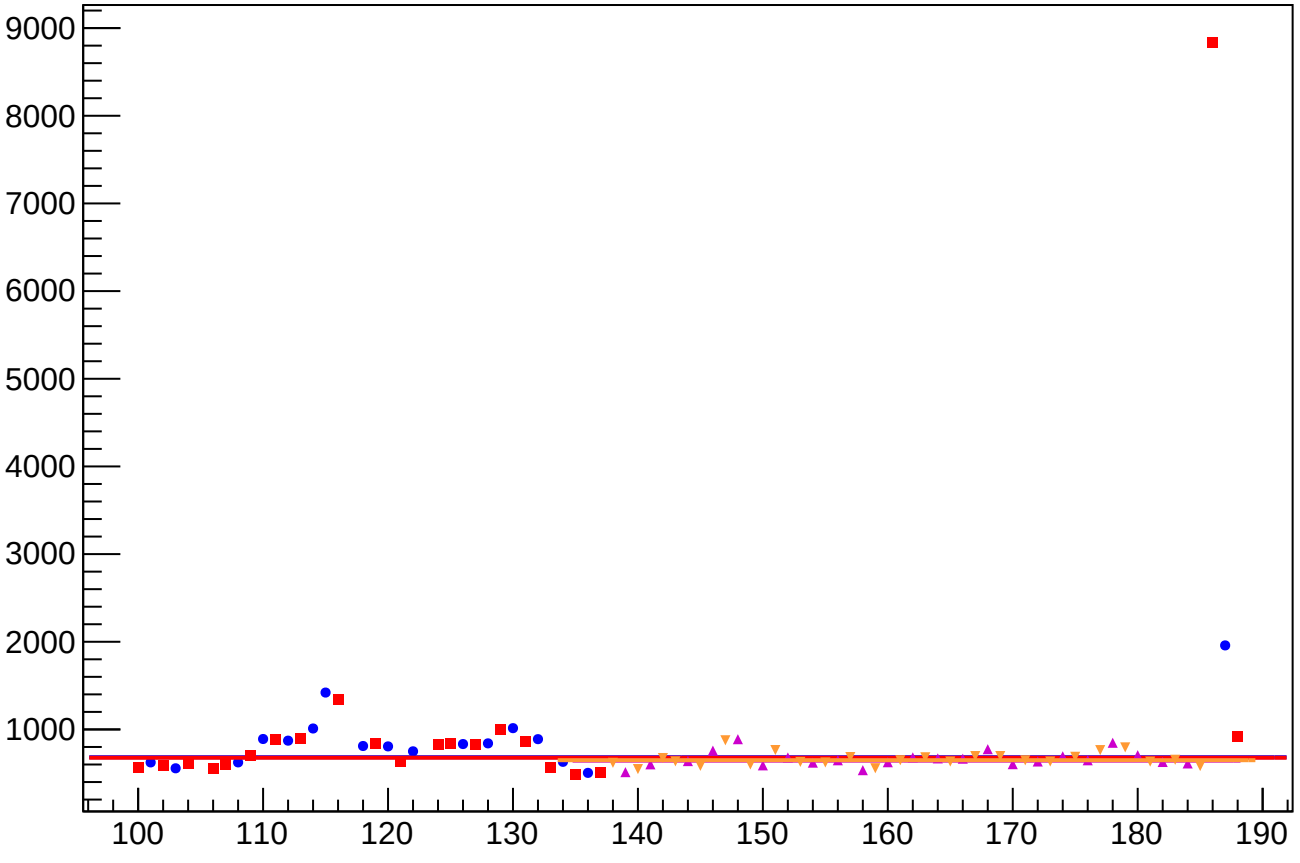
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 70.744+/-129.070 χ^2/NDF: 31.0/41

All: 104.359+/-91.092 χ^2/NDF: 88.5/85

- sign 137.718+/-128.577 χ^2/NDF: 57.3/43

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 683.052+/-0.183 χ^2/NDF: 921613.3/16

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 677.461+/-0.170 χ^2/NDF: 1607752.8/20

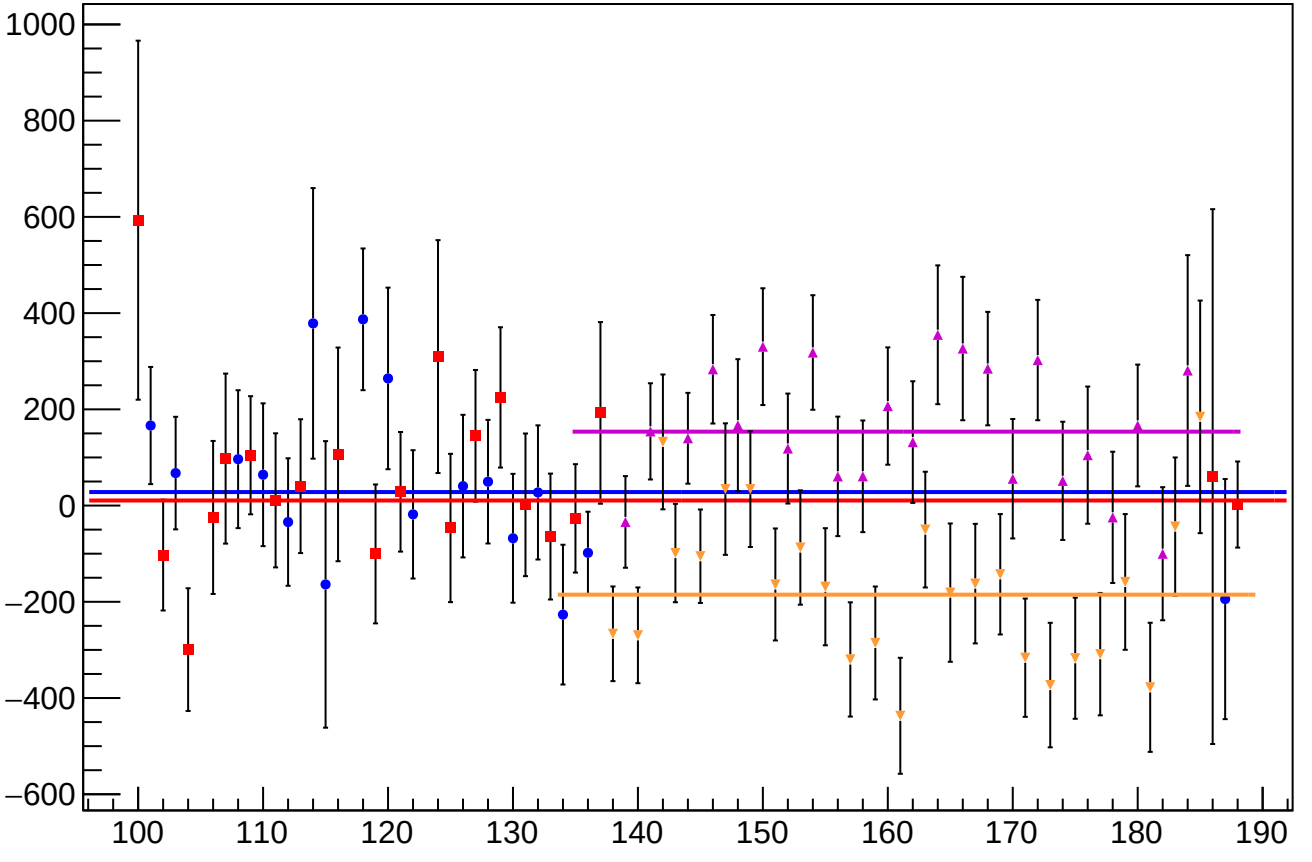
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 657.580+/-0.091 χ^2/NDF: 1365638.2/41

All: 655.577+/-0.064 χ^2/NDF: 3560954.0/85

- sign 653.588+/-0.091 χ^2/NDF: 2194355.6/43

cor_asym_sam_15_dd_mean vs Slug



Right In: 28.077+/-34.106 χ^2/NDF: 18.1/16

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 10.572+/-31.363 χ^2/NDF: 17.2/20

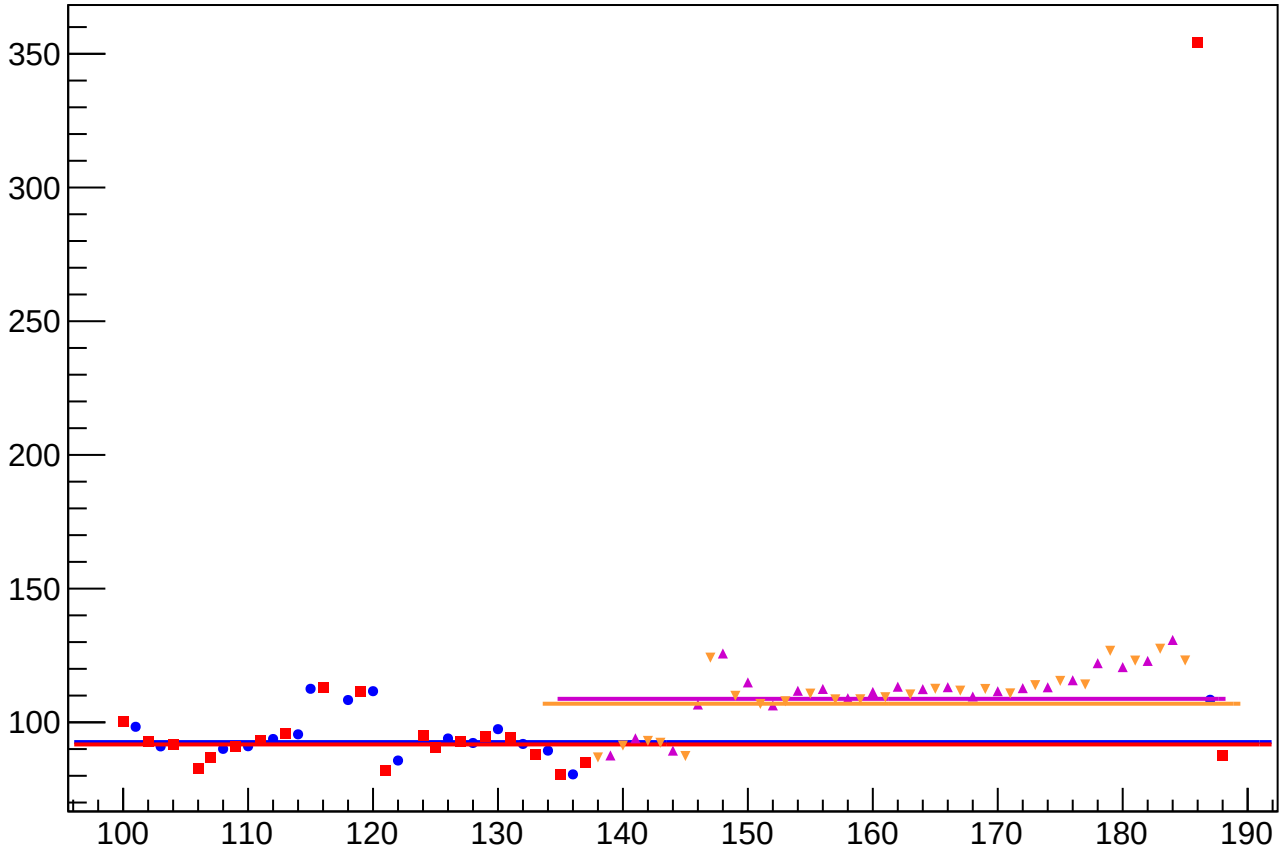
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -112.756+/-19.873 χ^2/NDF: 77.0/41

All: -7.714+/-14.027 χ^2/NDF: 185.9/85

- sign 96.596+/-19.803 χ^2/NDF: 53.2/43

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.604+/-0.024 χ^2/NDF: 115260.4/16

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 91.730+/-0.022 χ^2/NDF: 554947.3/20

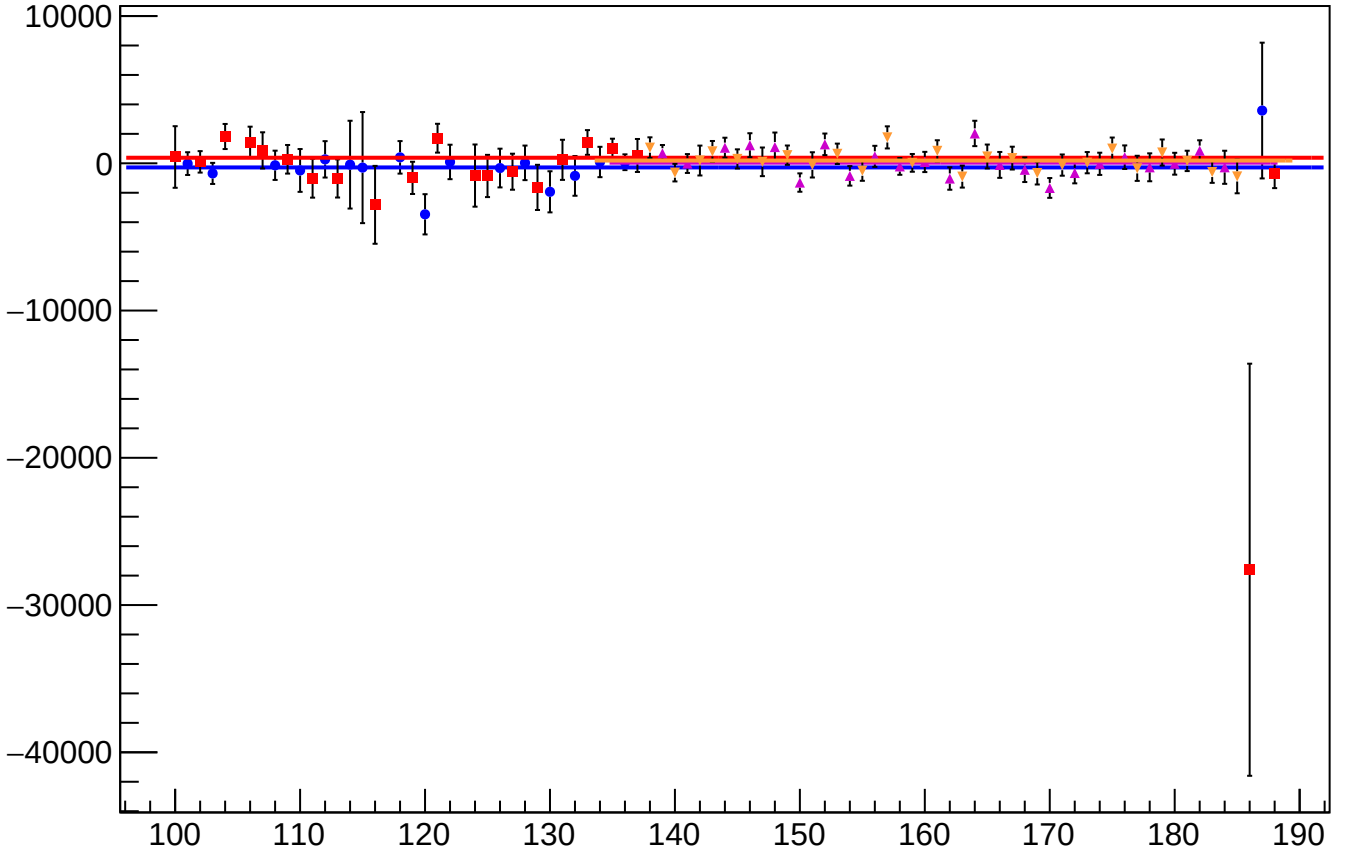
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 102.082+/-0.014 χ^2/NDF: 813399.9/41

All: 102.032+/-0.010 χ^2/NDF: 2082245.8/85

\- sign 101.983+/-0.014 χ^2/NDF: 1268820.9/43

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -280.492+/-259.281 χ^2/NDF: 9.5/16

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 377.738+/-241.595 χ^2/NDF: 22.4/20

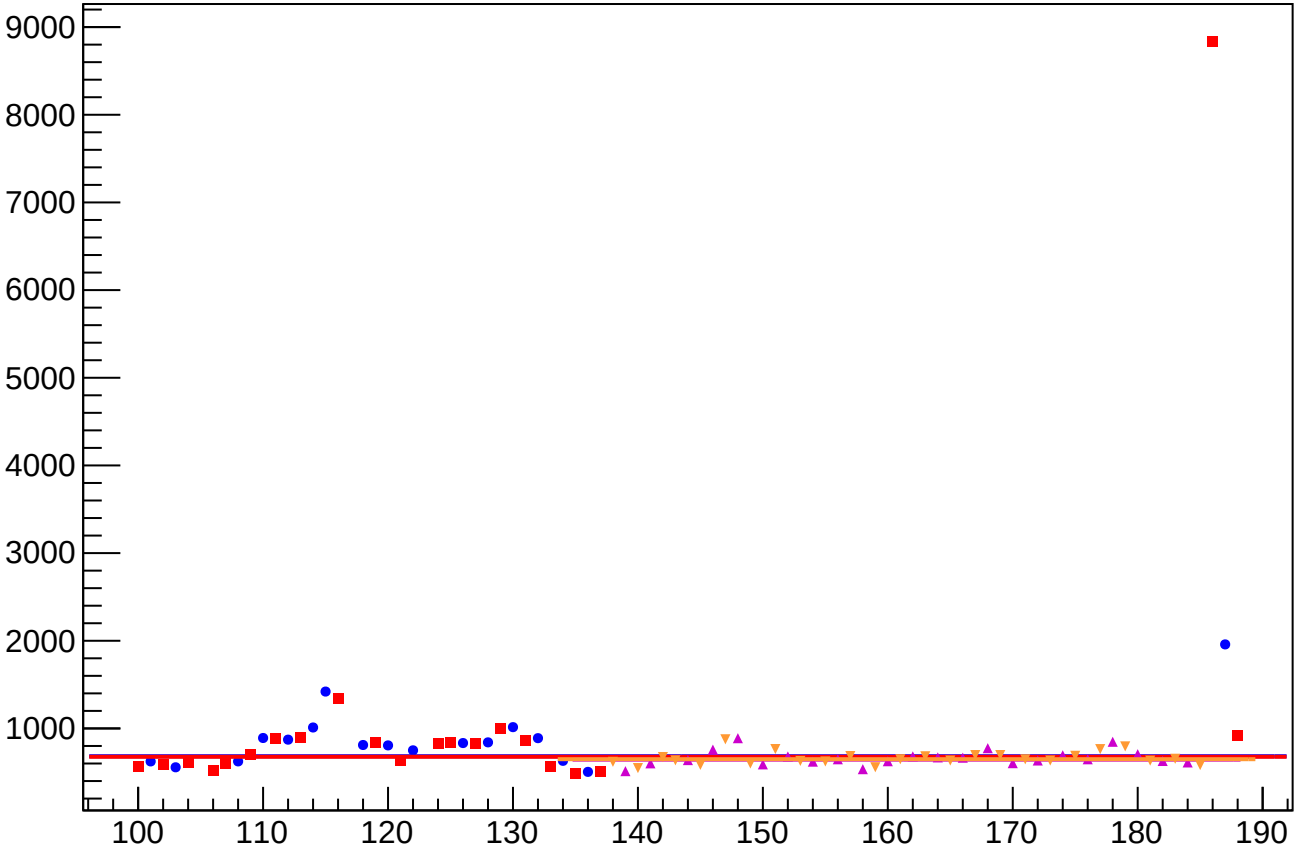
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 70.740+/-129.070 χ^2/NDF: 31.0/41

All: 104.548+/-91.132 χ^2/NDF: 88.7/85

- sign 138.158+/-128.691 χ^2/NDF: 57.5/43

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 683.051+/-0.183 χ^2/NDF: 921615.7/16

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 676.759+/-0.171 χ^2/NDF: 1618734.2/20

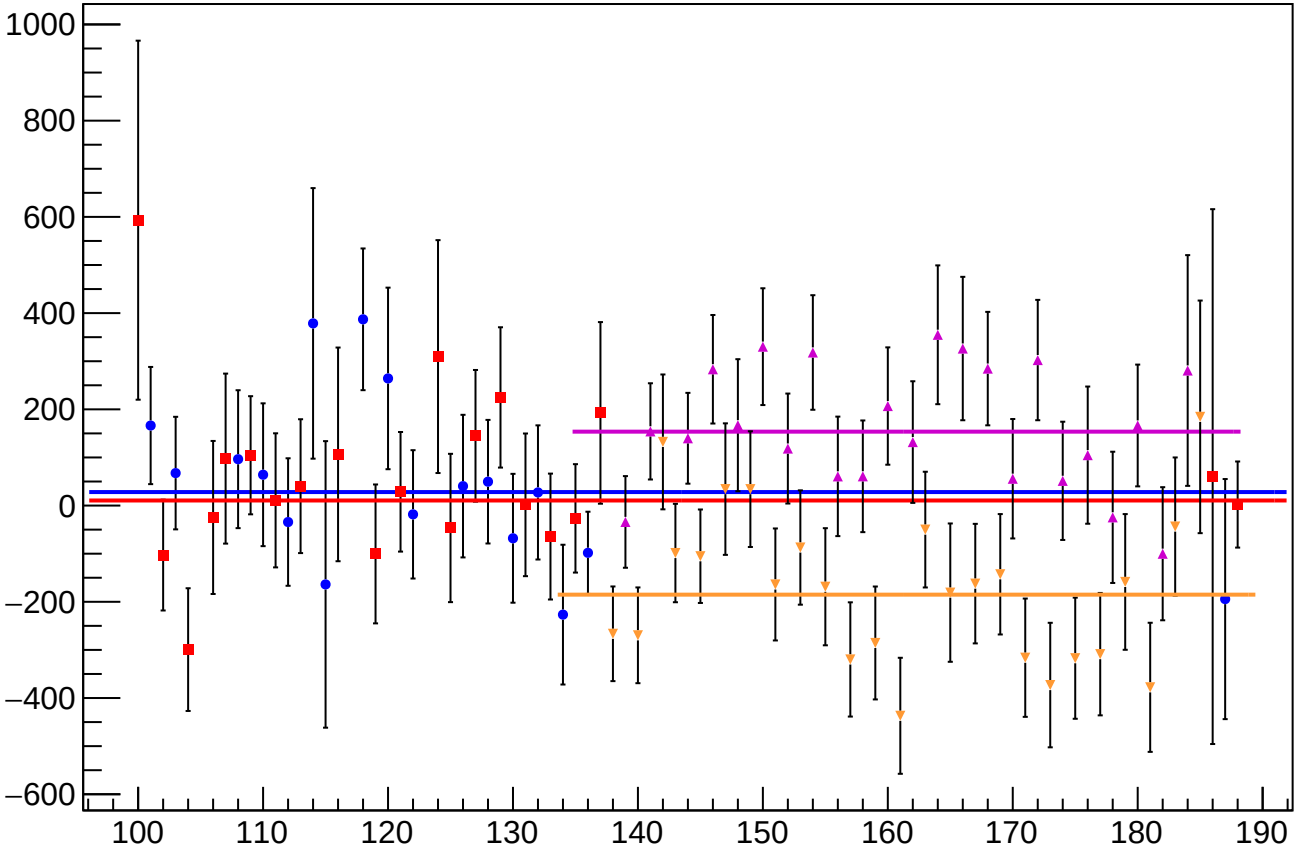
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 657.580+/-0.091 χ^2/NDF: 1365640.3/41

All: 655.457+/-0.064 χ^2/NDF: 3570796.0/85

- sign 653.347+/-0.091 χ^2/NDF: 2204076.6/43

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 28.077+/-34.106 χ^2/NDF: 18.1/16

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 10.572+/-31.363 χ^2/NDF: 17.2/20

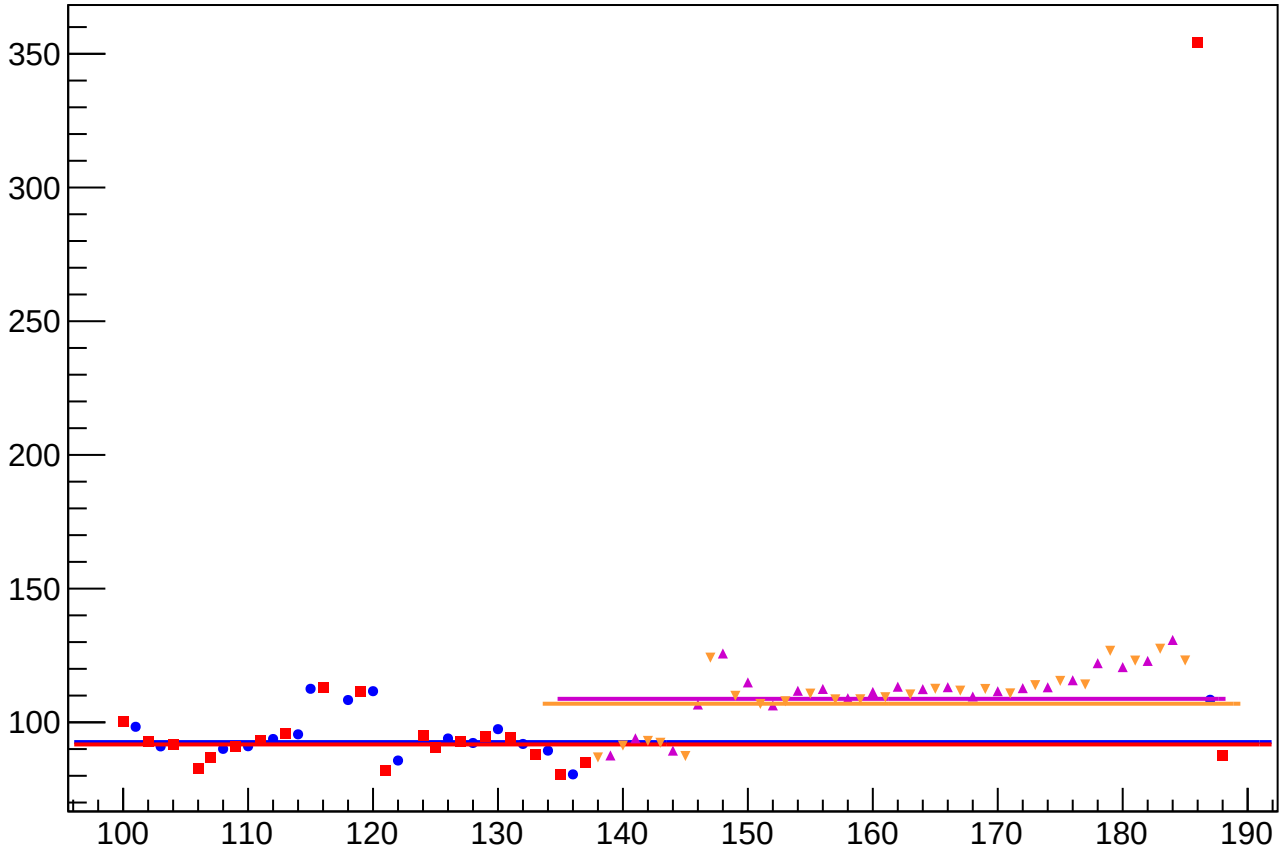
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -112.756+/-19.873 χ^2/NDF: 77.0/41

All: -7.714+/-14.027 χ^2/NDF: 185.9/85

- sign 96.596+/-19.803 χ^2/NDF: 53.2/43

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.604+/-0.024 χ^2/NDF: 115260.4/16

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

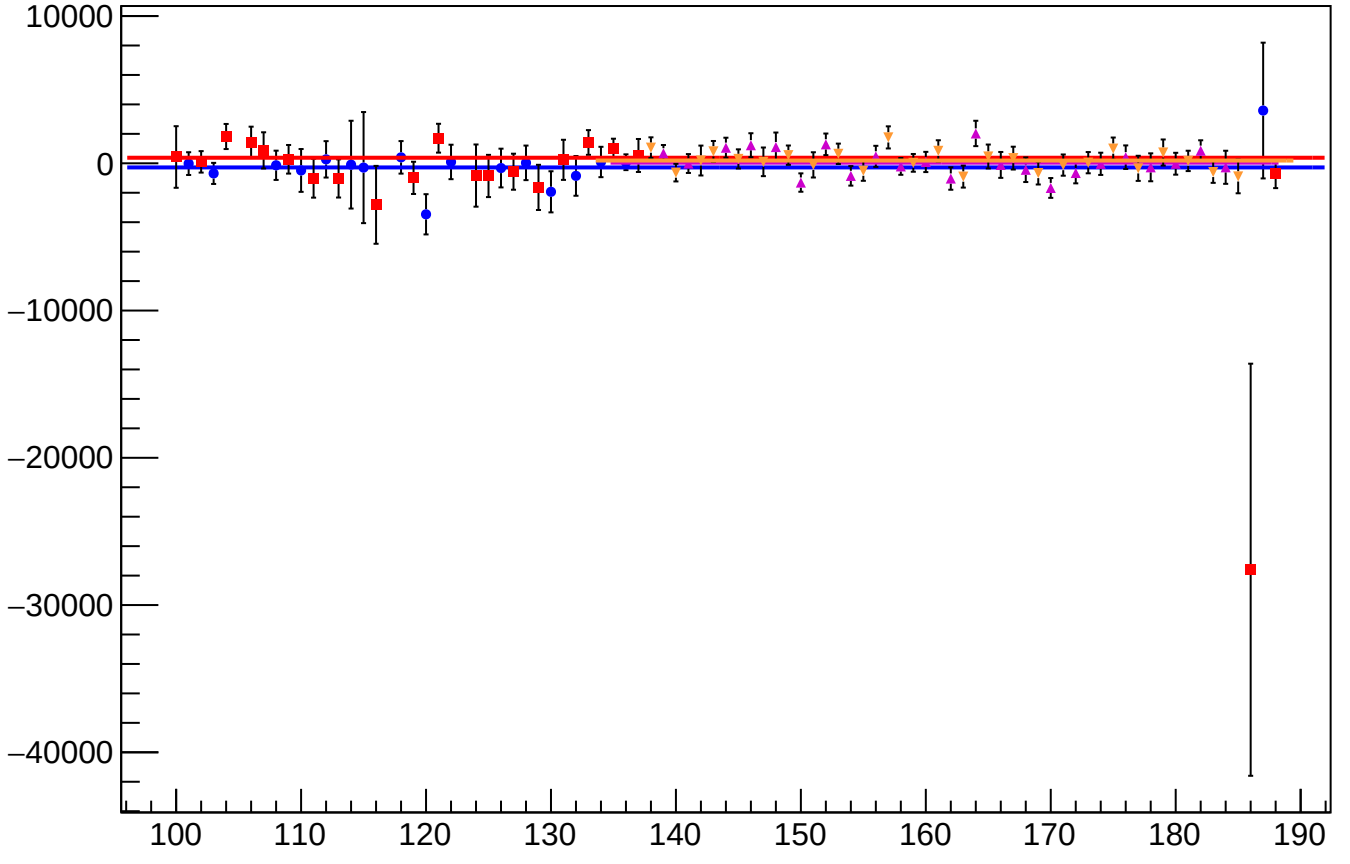
Right Out: 91.730+/-0.022 χ^2/NDF: 554947.3/20

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 102.082+/-0.014 χ^2/NDF: 813399.9/41

All: 102.032+/-0.010 χ^2/NDF: 2082245.8/85

- sign 101.983+/-0.014 χ^2/NDF: 1268820.9/43



Right In: -280.492+/-259.281 χ^2/NDF: 9.5/16

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 377.738+/-241.595 χ^2/NDF: 22.4/20

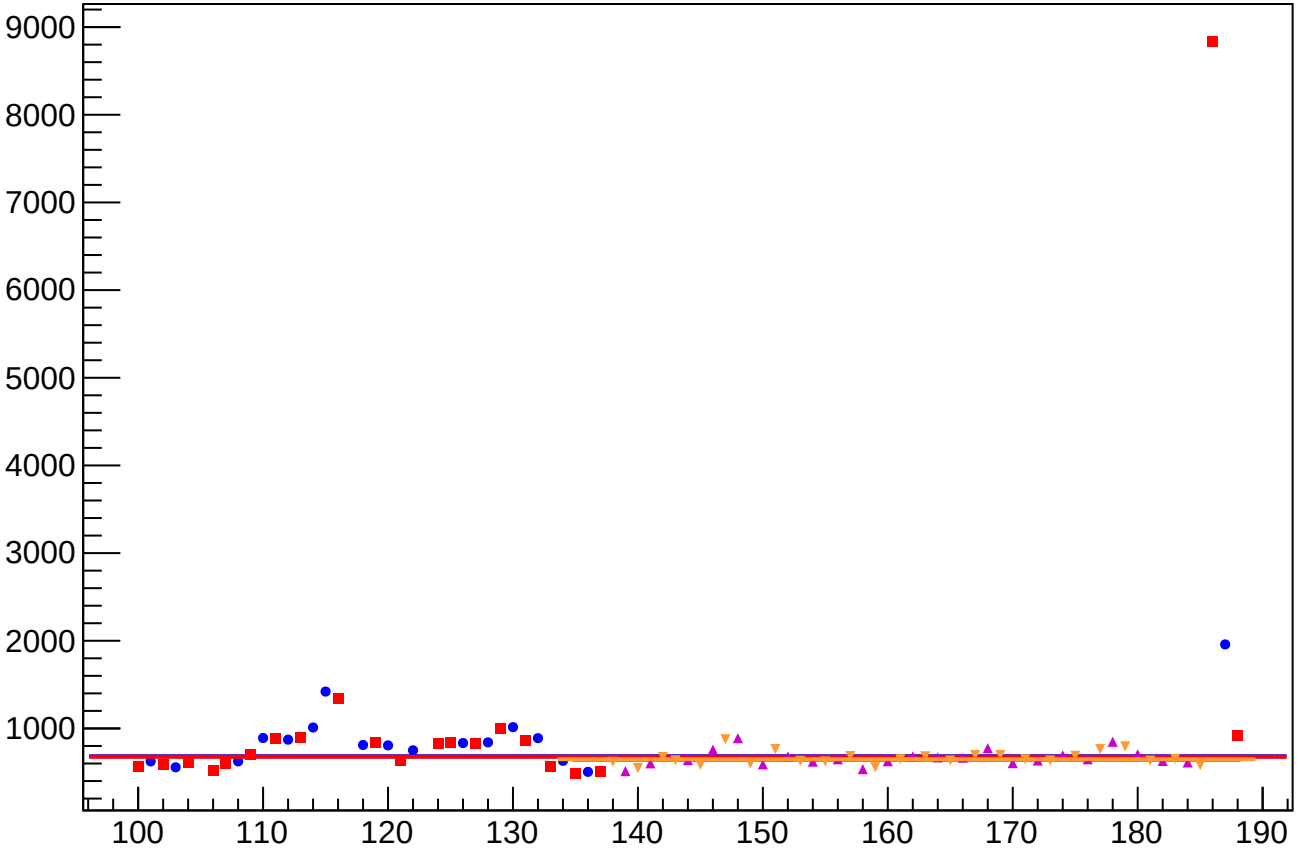
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 70.740+/-129.070 χ^2/NDF: 31.0/41

All: 104.548+/-91.132 χ^2/NDF: 88.7/85

- sign 138.158+/-128.691 χ^2/NDF: 57.5/43

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 683.051+/-0.183 χ^2/NDF: 921615.7/16

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 676.759+/-0.171 χ^2/NDF: 1618734.2/20

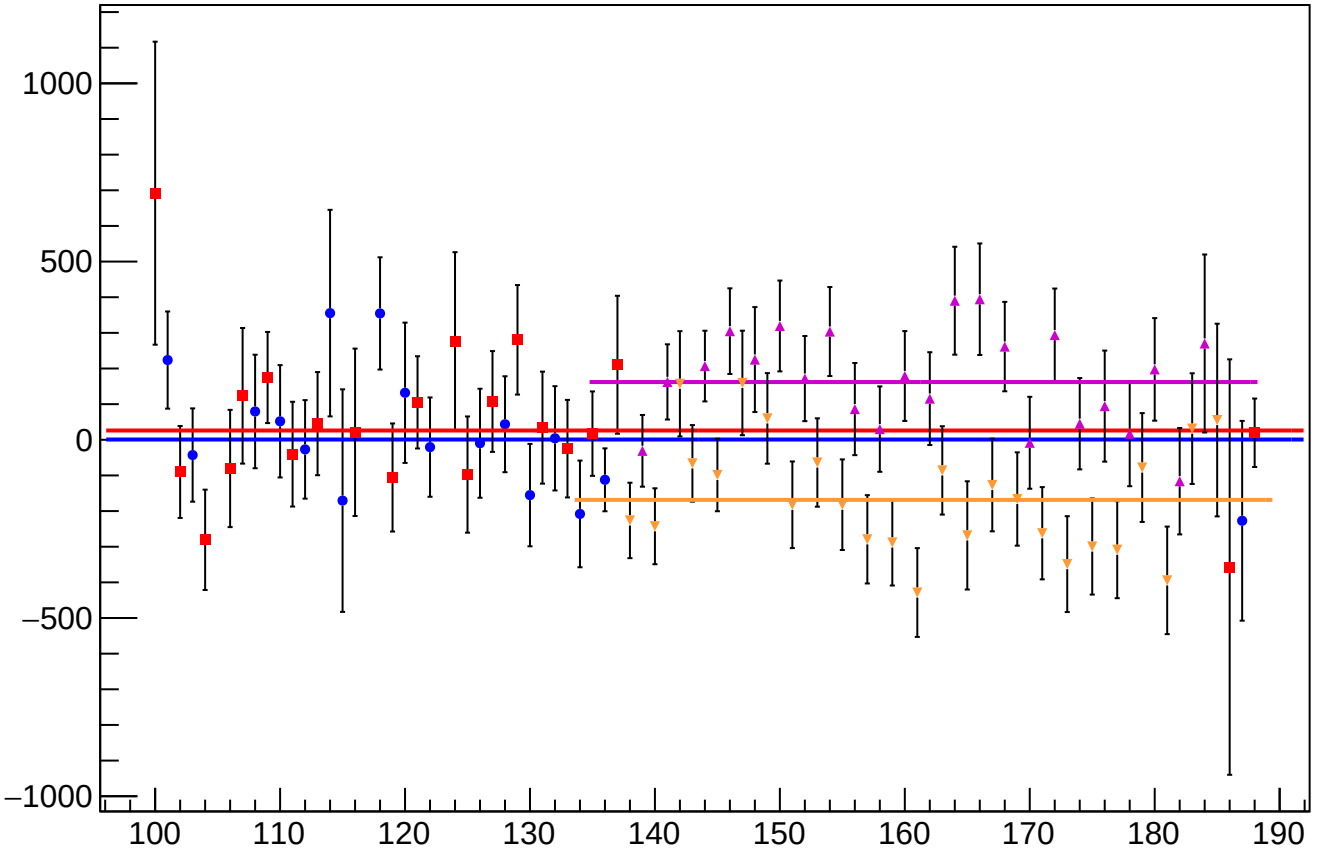
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 657.580+/-0.091 χ^2/NDF: 1365640.3/41

All: 655.457+/-0.064 χ^2/NDF: 3570796.0/85

- sign 653.347+/-0.091 χ^2/NDF: 2204076.6/43

dit_asym_sam_15_dd_mean vs Slug



Right In: 0.750+/-36.203 χ^2/NDF: 16.0/16

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 26.108+/-33.214 χ^2/NDF: 17.5/20

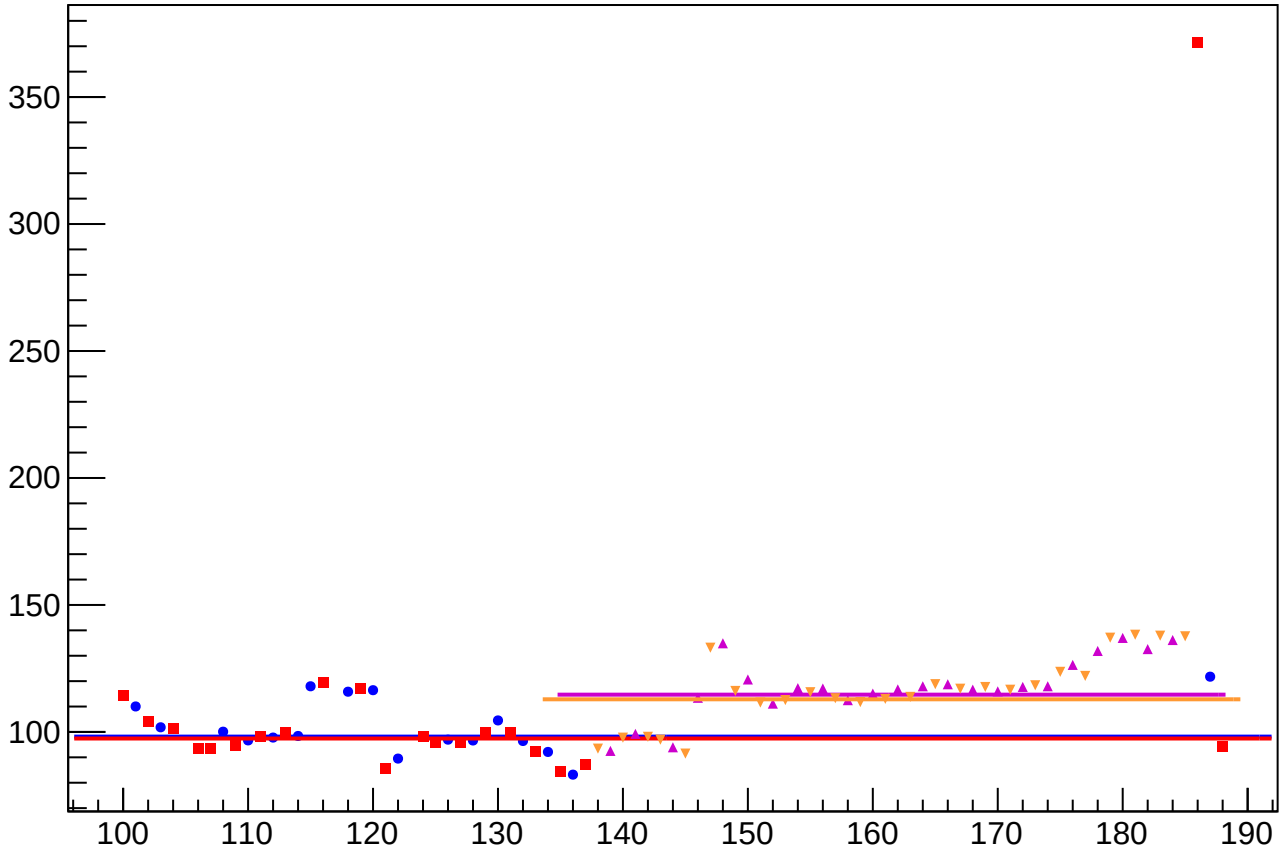
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -111.527+/-21.021 χ^2/NDF: 62.9/41

All: -1.231+/-14.831 χ^2/NDF: 168.9/85

- sign 108.074+/-20.926 χ^2/NDF: 51.2/43

dit_asym_sam_15_dd_rms vs Slug



Right In: 98.157+/-0.026 χ^2/NDF: 155080.8/16

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.413+/-0.023 χ^2/NDF: 559955.1/20

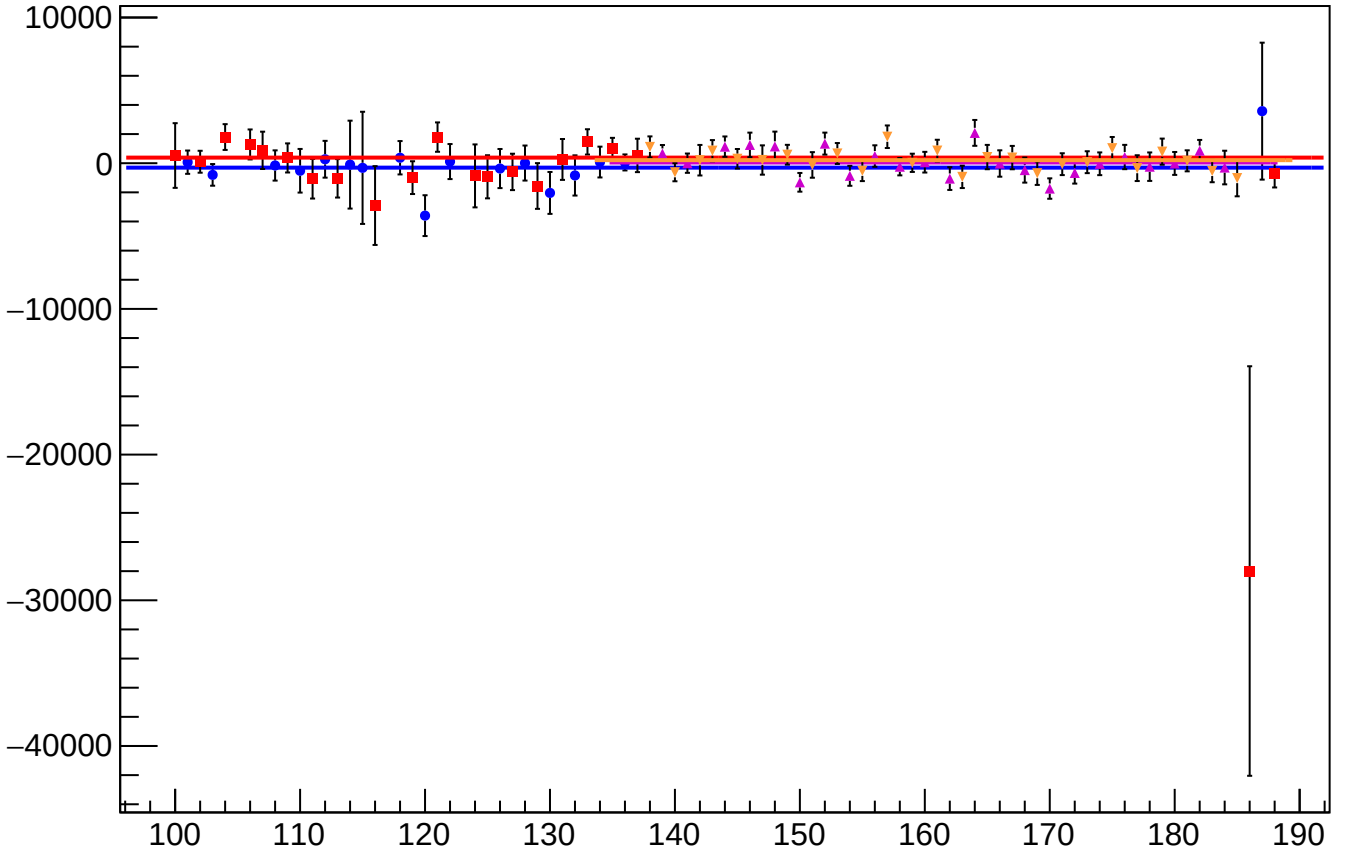
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

\+ sign 107.896+/-0.015 χ^2/NDF: 885704.4/41

All: 107.860+/-0.010 χ^2/NDF: 2181442.6/85

\- sign 107.824+/-0.015 χ^2/NDF: 1295726.6/43

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -304.008+/-267.083 χ^2/NDF: 9.8/16

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 384.137+/-248.333 χ^2/NDF: 21.8/20

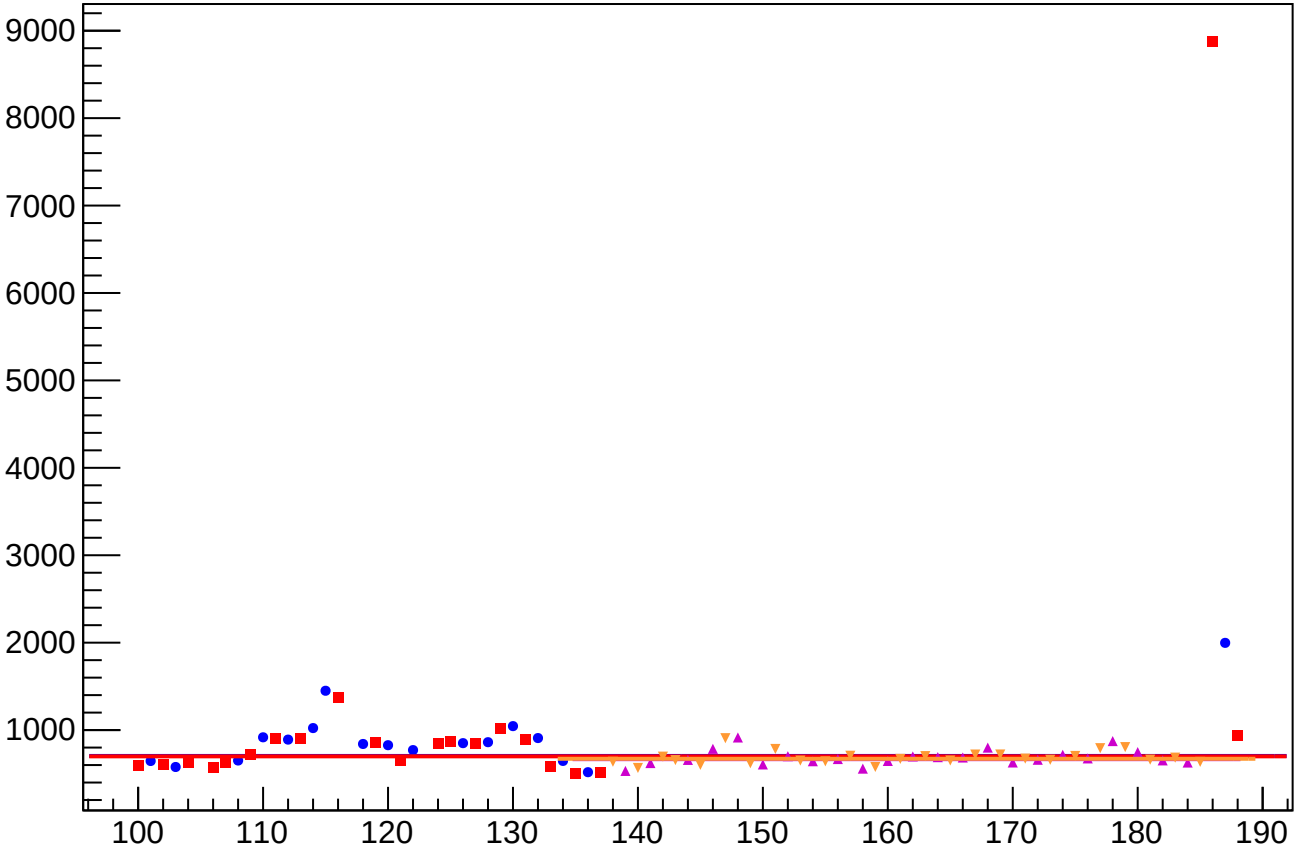
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 81.374+/-133.363 χ^2/NDF: 31.5/41

All: 113.789+/-94.172 χ^2/NDF: 88.0/85

- sign 146.027+/-132.996 χ^2/NDF: 56.4/43

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 704.164+/-0.189 χ^2/NDF: 905696.8/16

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 699.644+/-0.176 χ^2/NDF: 1570171.8/20

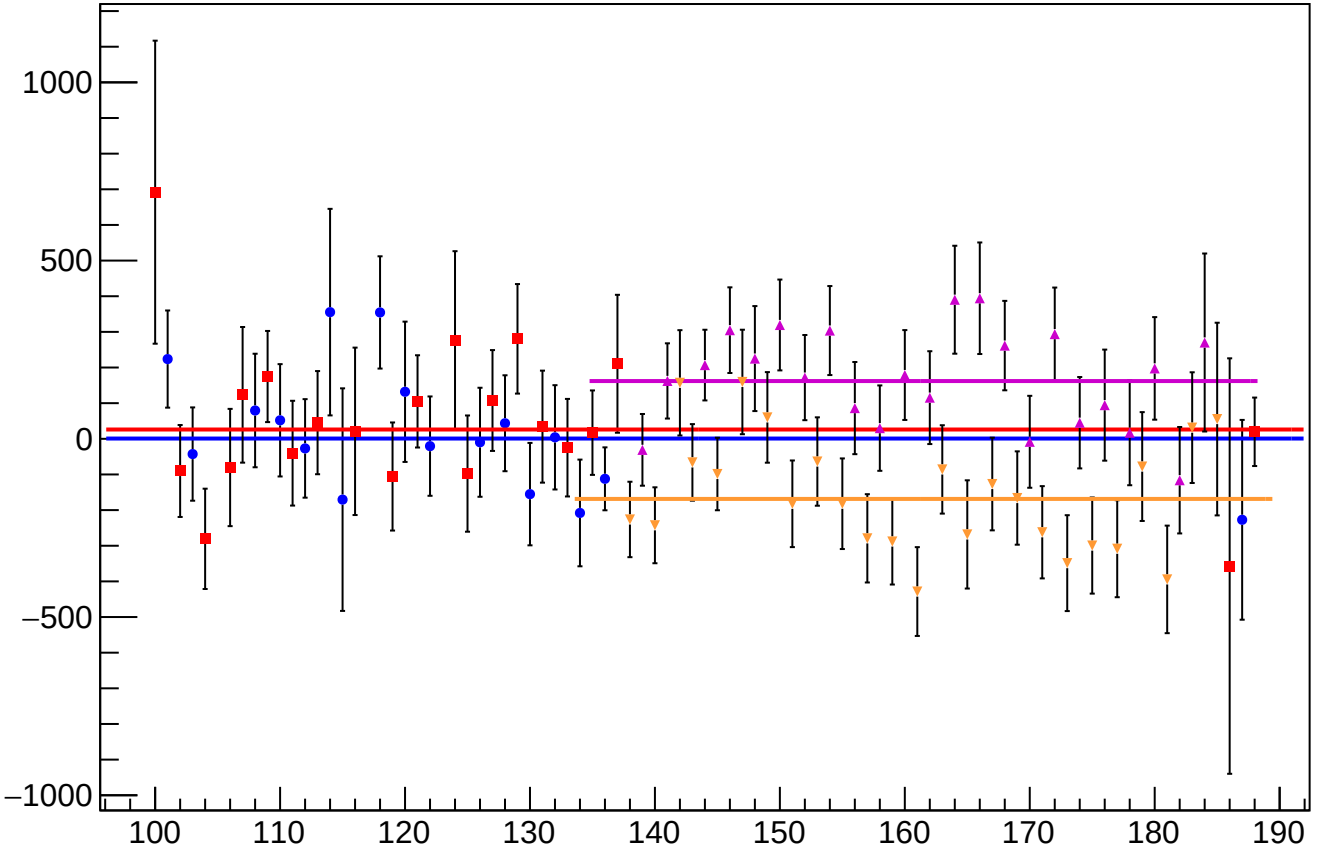
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 679.906+/-0.094 χ^2/NDF: 1326836.1/41

All: 678.252+/-0.067 χ^2/NDF: 3468660.3/85

- sign 676.606+/-0.094 χ^2/NDF: 2141210.4/43

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 0.751+/-36.203 χ^2/NDF: 16.0/16

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 26.108+/-33.214 χ^2/NDF: 17.5/20

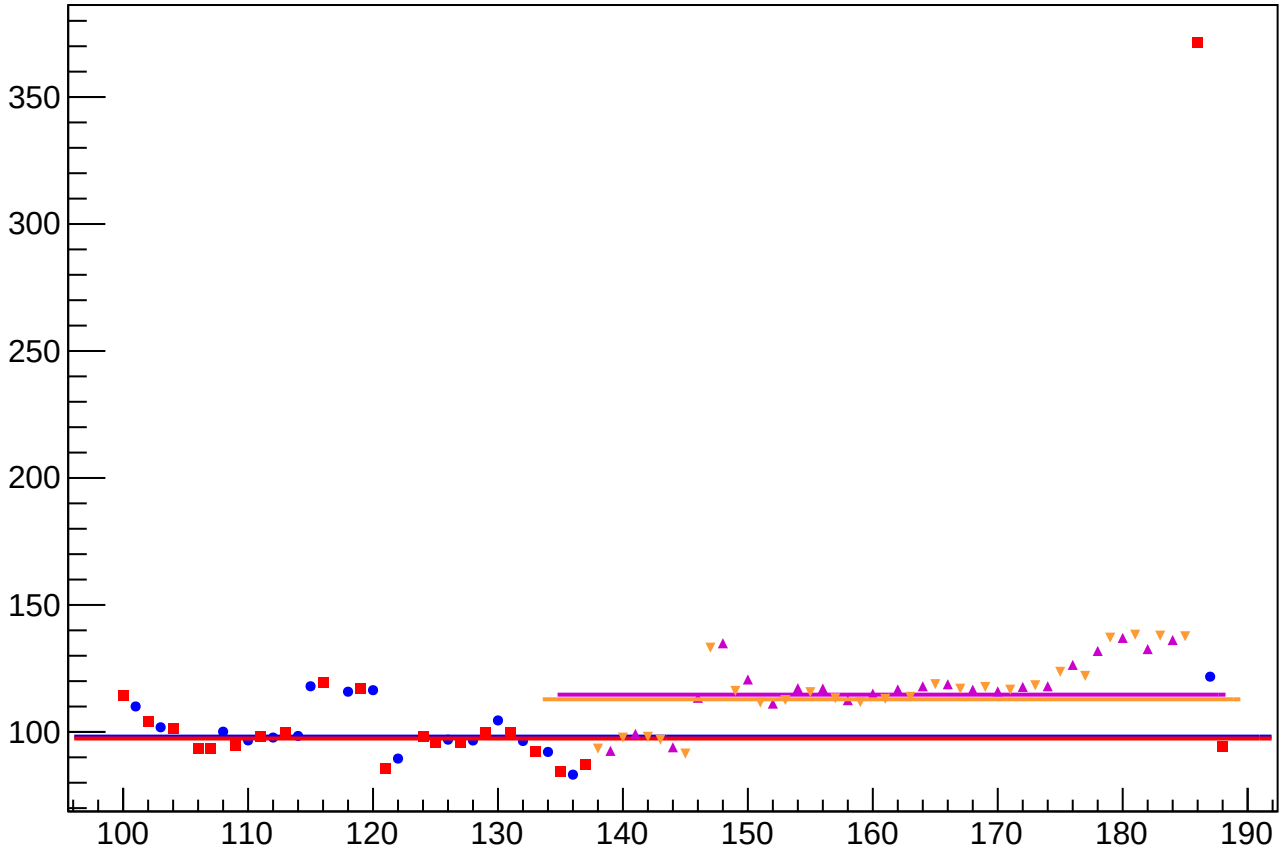
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -111.527+/-21.021 χ^2/NDF: 62.9/41

All: -1.231+/-14.831 χ^2/NDF: 168.9/85

- sign 108.074+/-20.926 χ^2/NDF: 51.2/43

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 98.156+/-0.026 χ^2/NDF: 155082.6/16

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

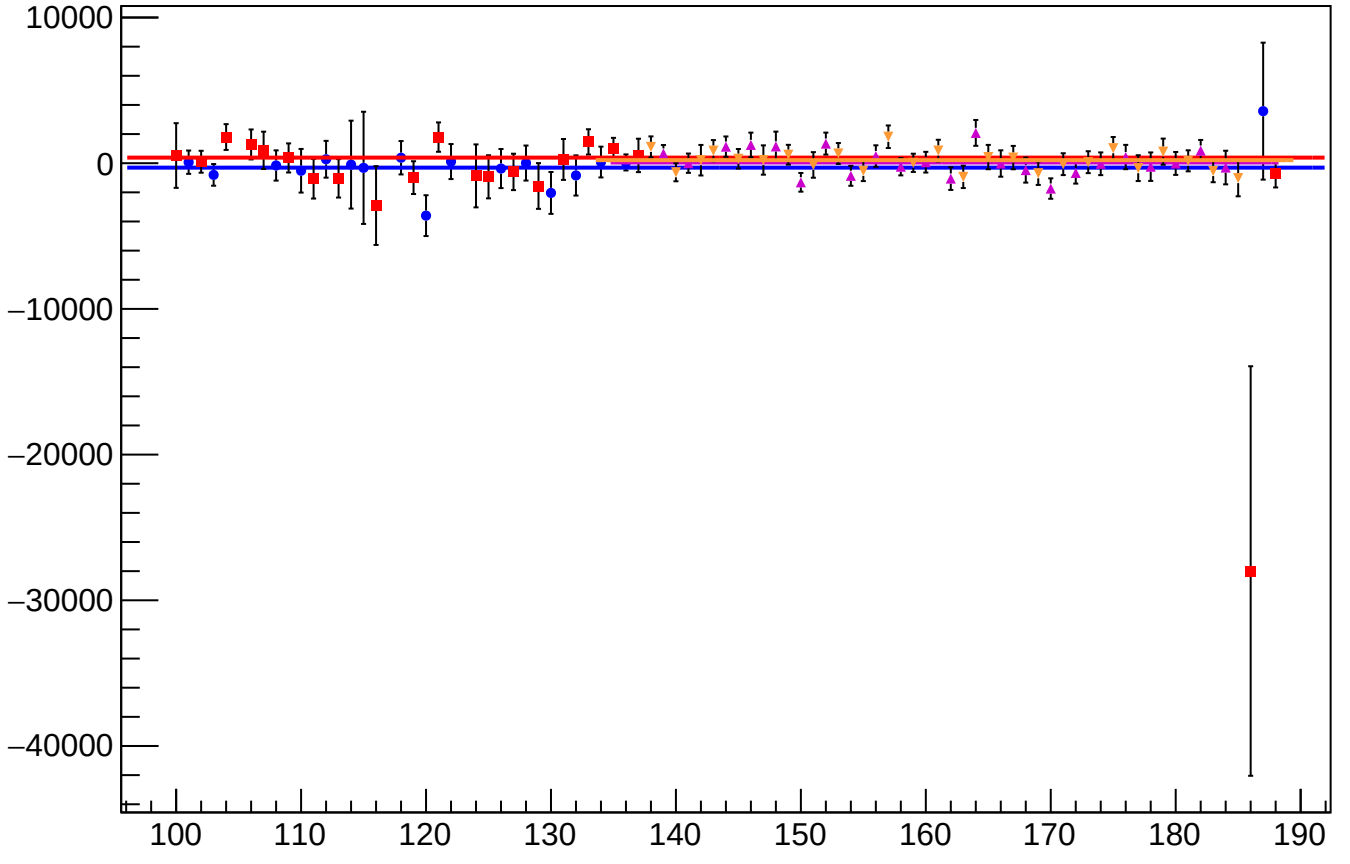
Right Out: 97.413+/-0.023 χ^2/NDF: 559953.1/20

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 107.896+/-0.015 χ^2/NDF: 885709.2/41

All: 107.860+/-0.010 χ^2/NDF: 2181455.4/85

- sign 107.824+/-0.015 χ^2/NDF: 1295734.6/43



Right In: -304.006+/-267.082 χ^2/NDF: 9.8/16

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 384.137+/-248.332 χ^2/NDF: 21.8/20

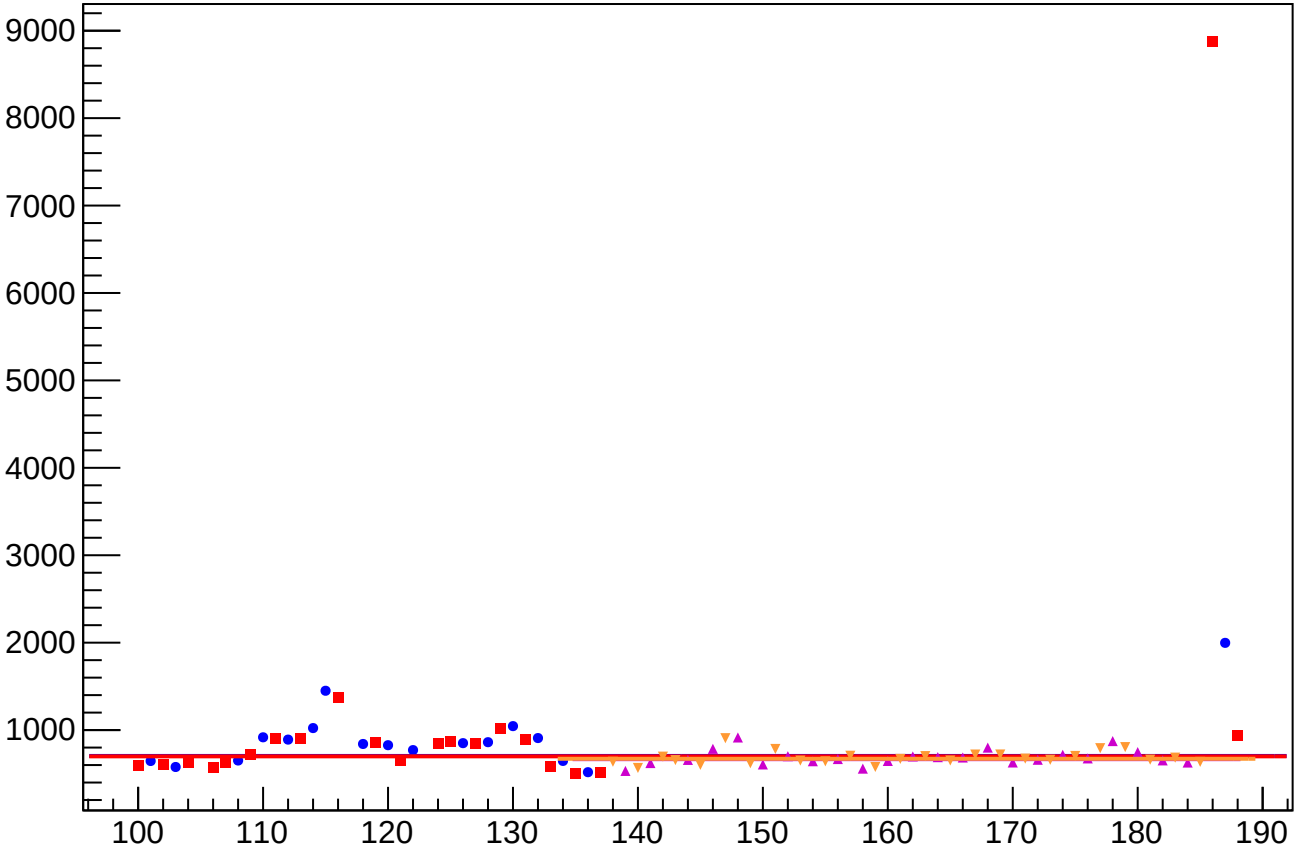
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 81.374+/-133.363 χ^2/NDF: 31.5/41

All: 113.790+/-94.172 χ^2/NDF: 88.0/85

- sign 146.028+/-132.996 χ^2/NDF: 56.4/43

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 704.163+/-0.189 χ^2/NDF: 905700.1/16

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 699.643+/-0.176 χ^2/NDF: 1570177.9/20

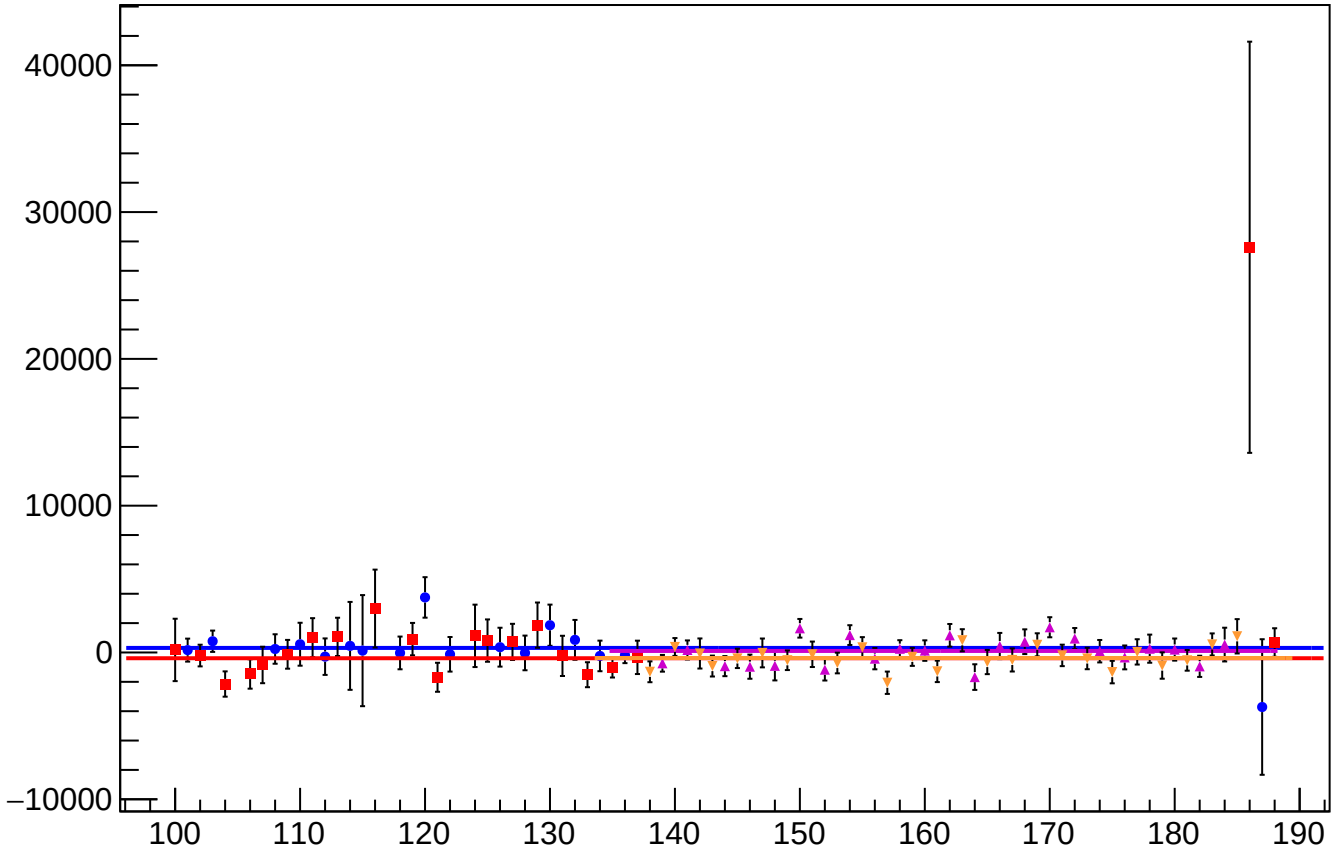
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 679.906+/-0.094 χ^2/NDF: 1326837.1/41

All: 678.252+/-0.067 χ^2/NDF: 3468666.4/85

- sign 676.606+/-0.094 χ^2/NDF: 2141215.5/43

asym_sam_15_dd_mean vs Slug



Right In: 310.206+/-261.910 χ^2/NDF: 10.5/16

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -392.715+/-243.297 χ^2/NDF: 24.7/20

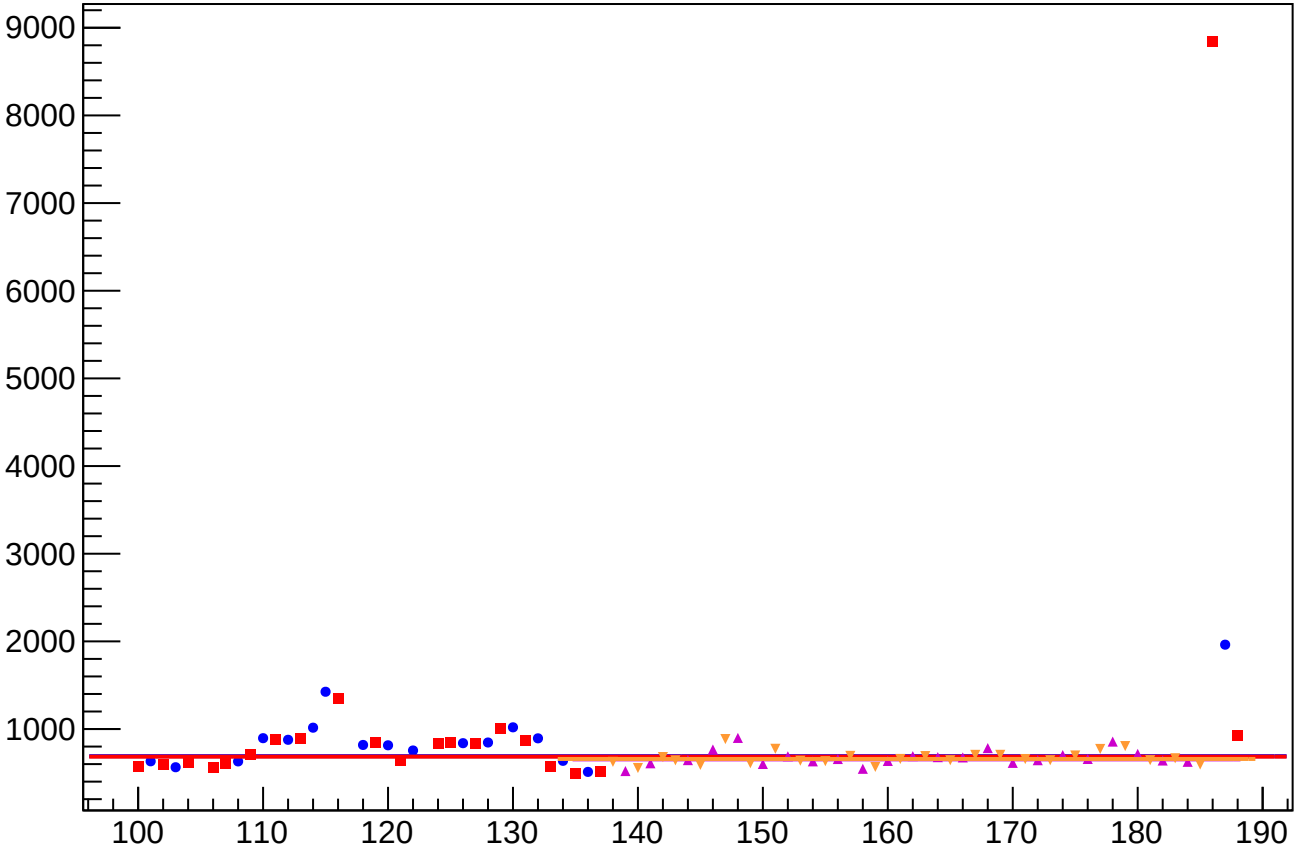
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -205.811+/-130.785 χ^2/NDF: 37.0/41

All: -122.117+/-92.316 χ^2/NDF: 101.1/85

- sign -39.009+/-130.325 χ^2/NDF: 63.2/43

asym_sam_15_dd_rms vs Slug



Right In: 690.499+/-0.185 χ^2/NDF: 901675.6/16

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

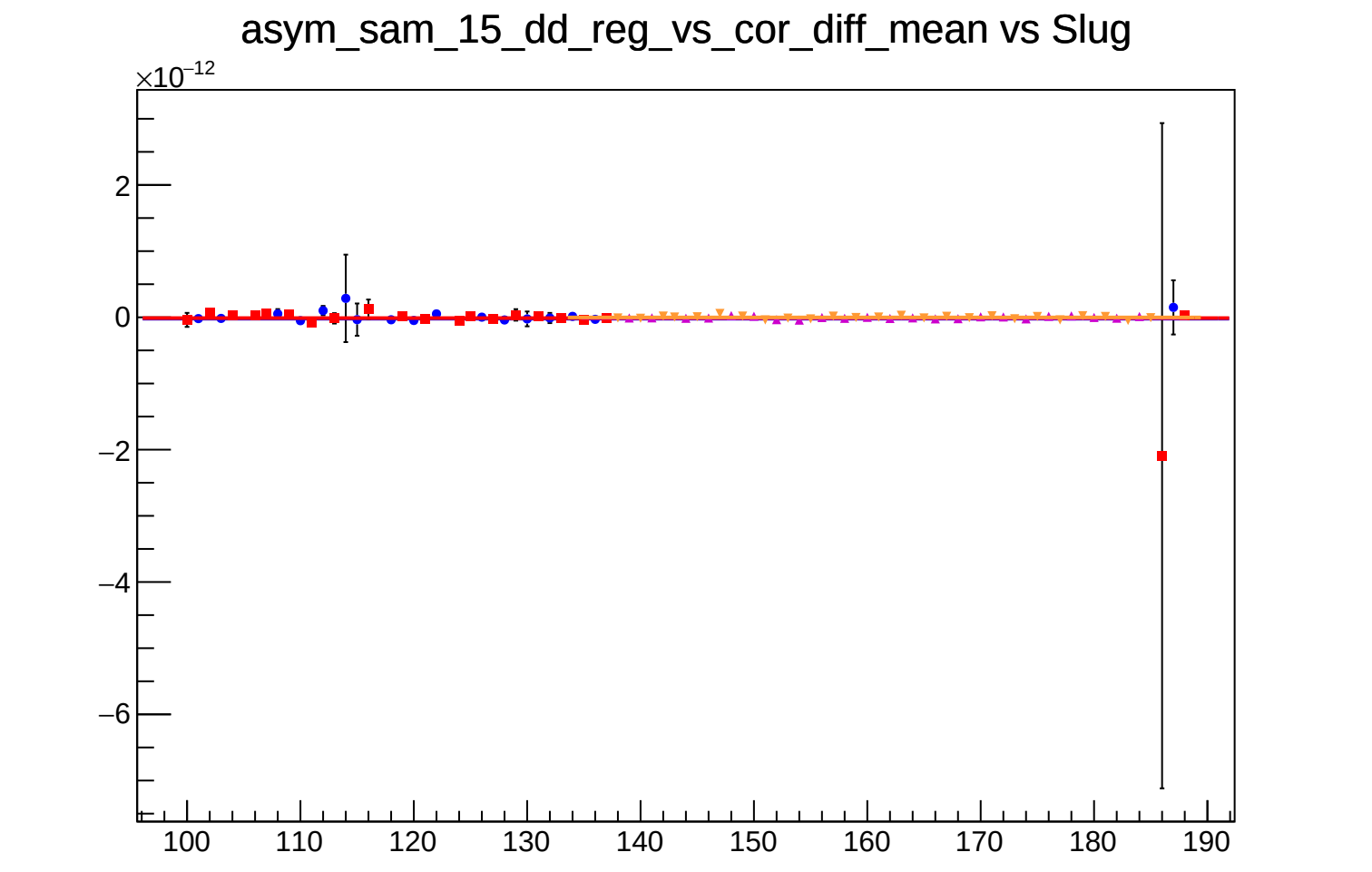
Right Out: 685.027+/-0.172 χ^2/NDF: 1584120.9/20

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 666.608+/-0.092 χ^2/NDF: 1333529.2/41

All: 664.731+/-0.065 χ^2/NDF: 3483817.0/85

- sign 662.867+/-0.092 χ^2/NDF: 2149466.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

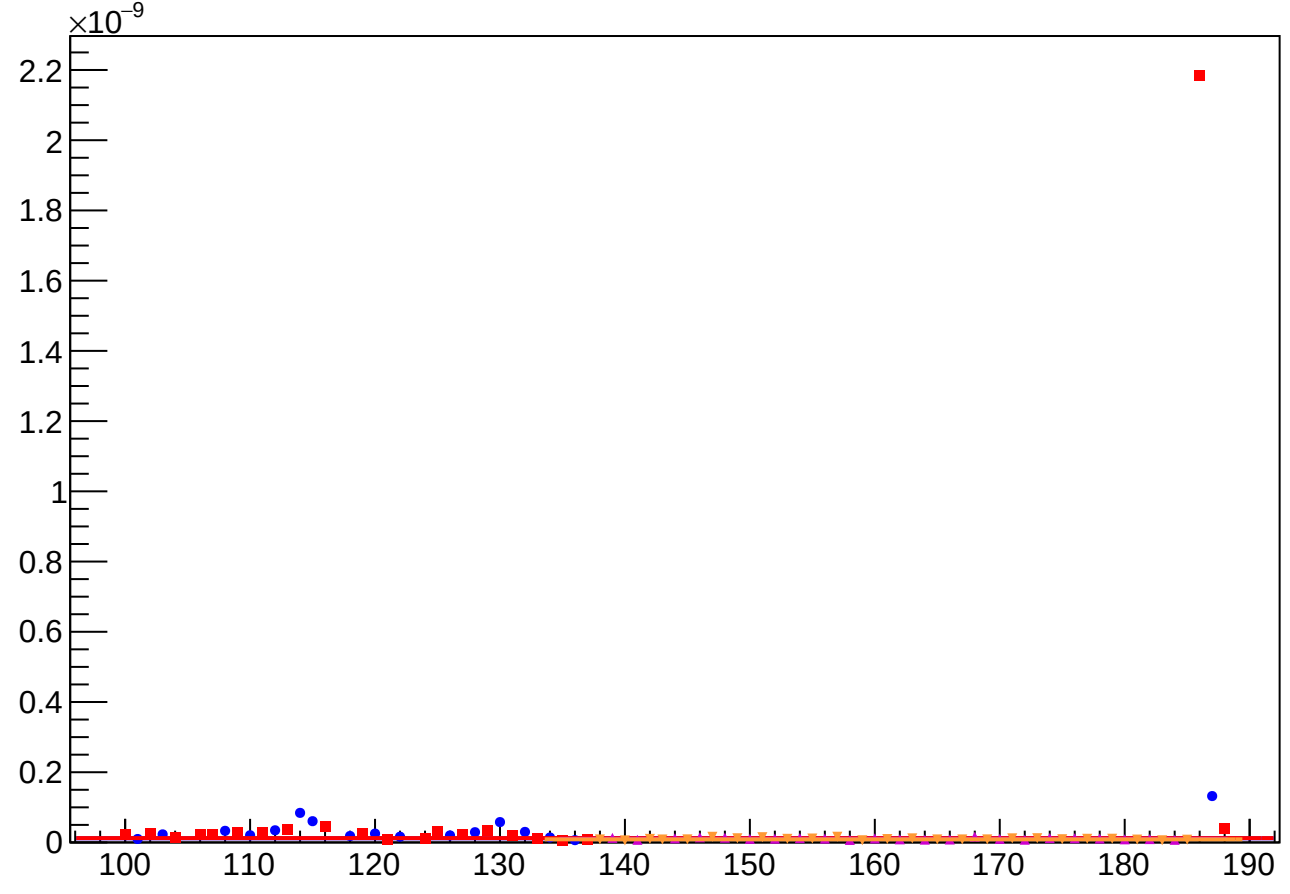
Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/20

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.7/41

All: -0.000+/-0.000 χ^2/NDF: 81.0/85

- sign -0.000+/-0.000 χ^2/NDF: 33.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 2333861.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2967699.5/20

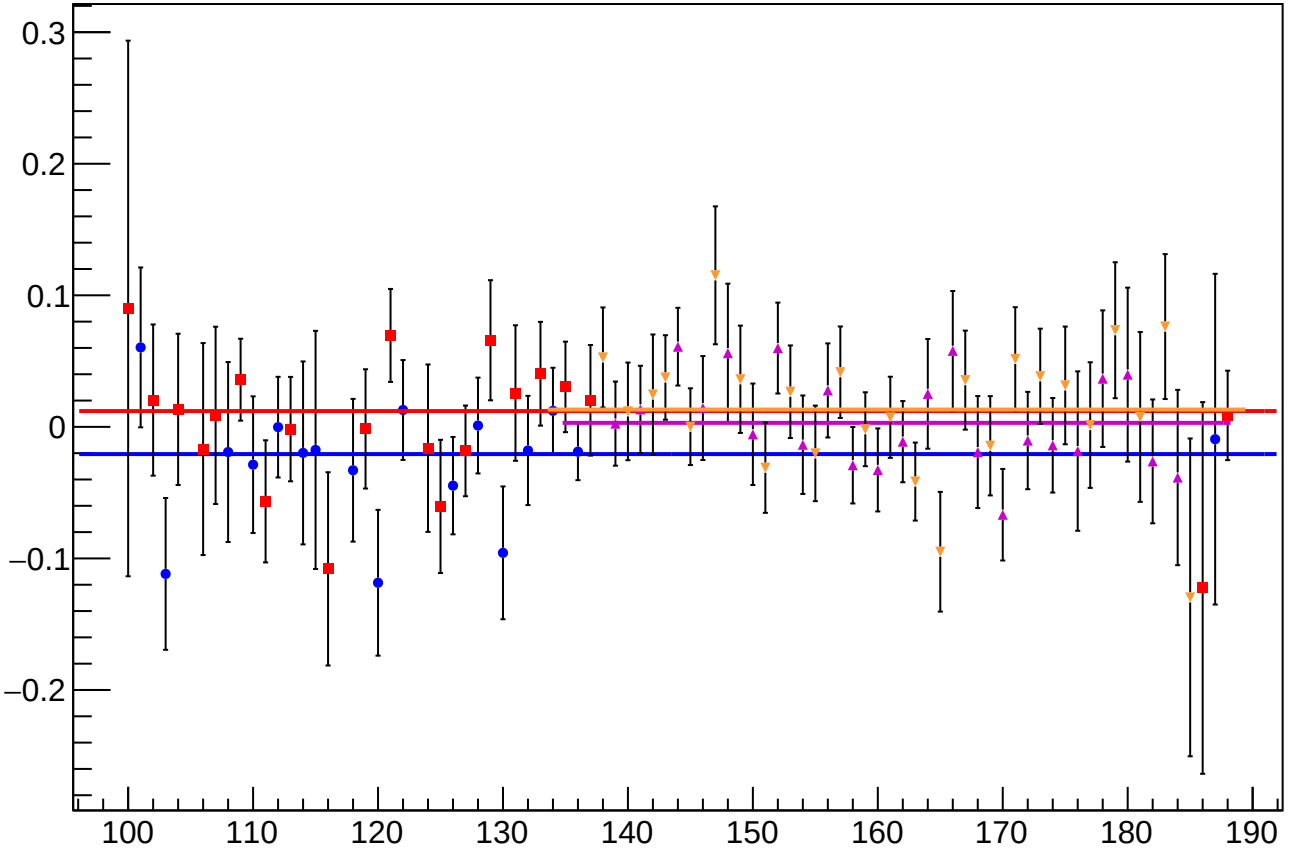
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3593063.6/41

All: 0.000+/-0.000 χ^2/NDF: 7477038.3/85

- sign 0.000+/-0.000 χ^2/NDF: 3751822.9/43

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

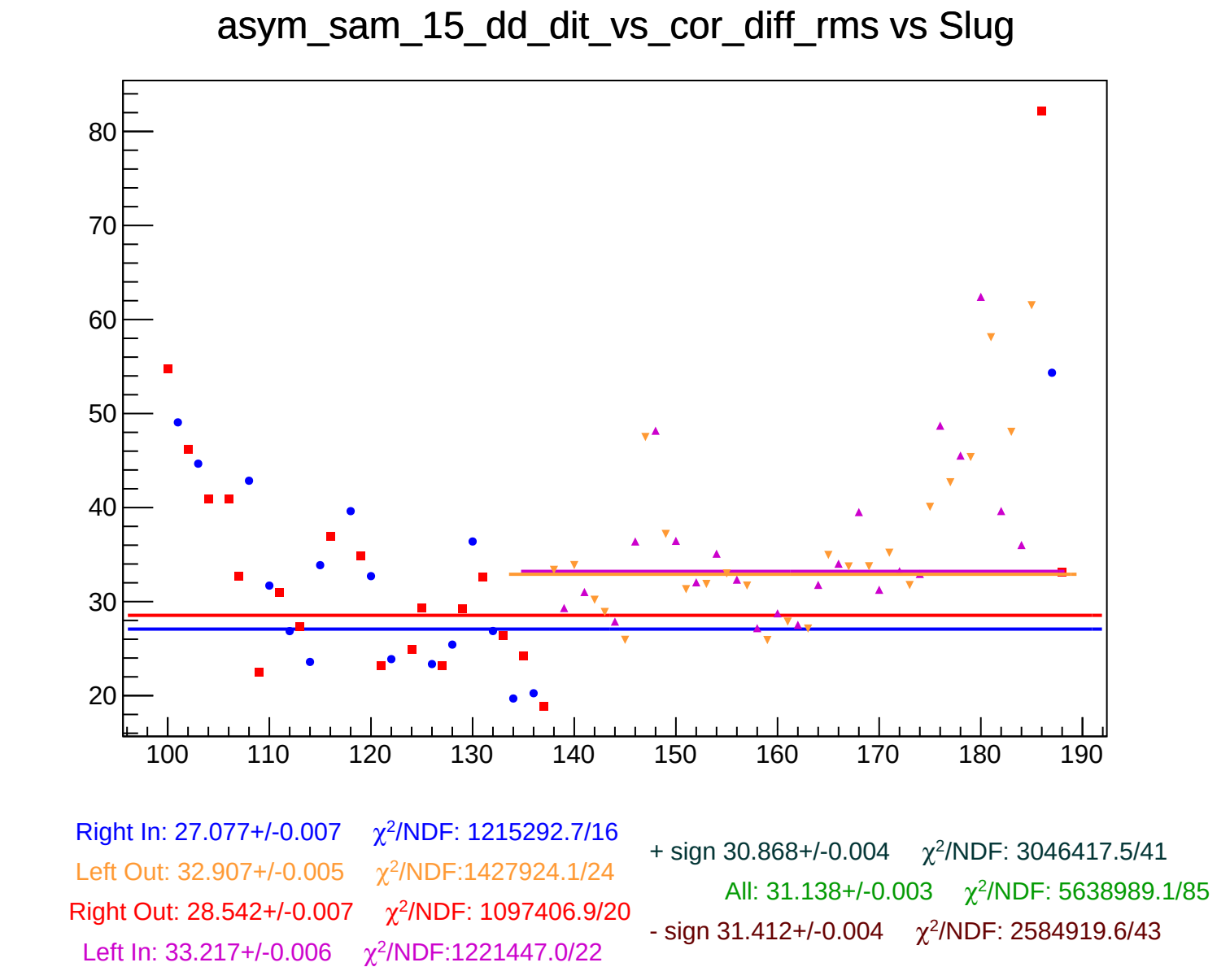
Right Out: 0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.001+/-0.006 χ^2/NDF: 44.7/41

All: 0.004+/-0.004 χ^2/NDF: 79.6/85

- sign 0.007+/-0.006 χ^2/NDF: 34.5/43


asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug
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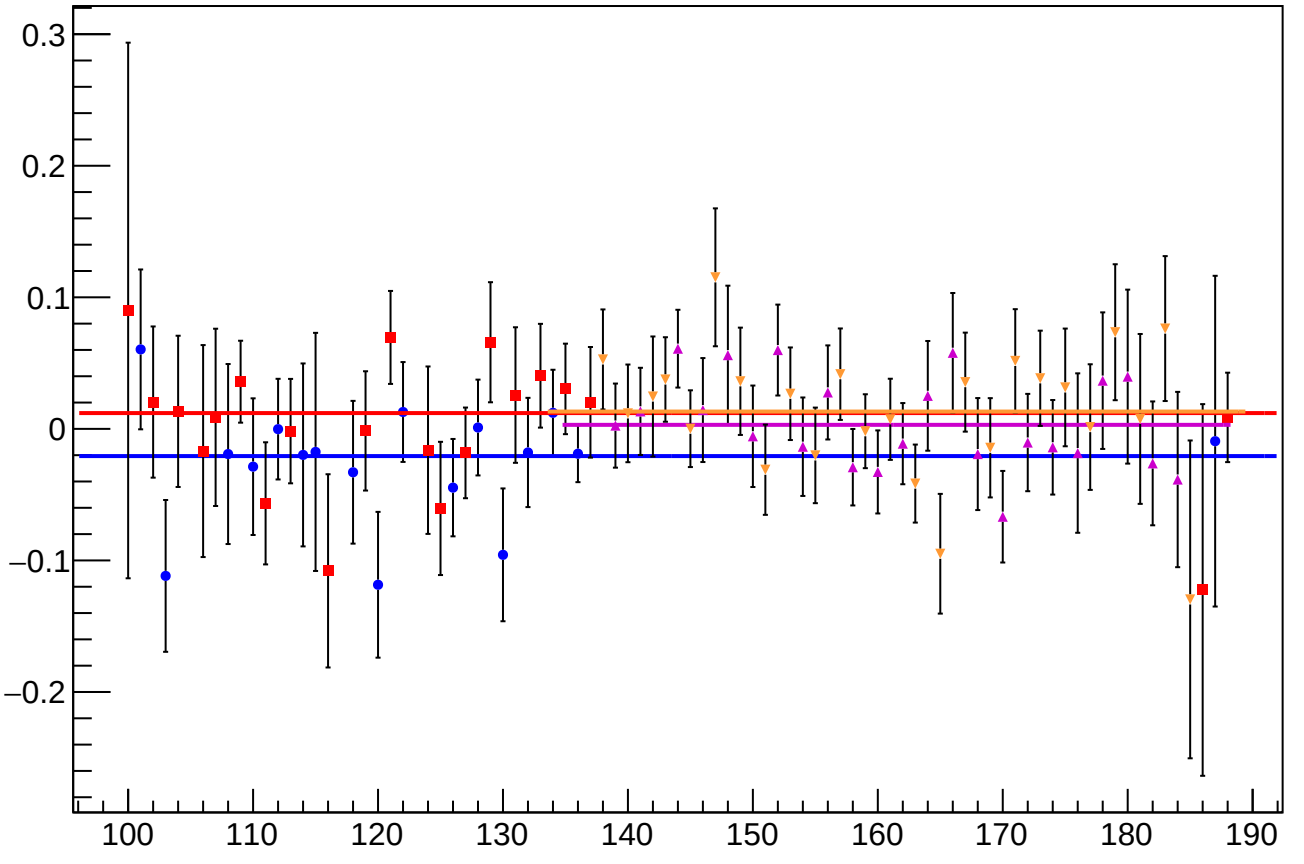
180
190
Right In: 27.077+/-0.007 χ²/NDF: 1215292.7/16
Left Out: 32.907+/-0.005 χ²/NDF:1427924.1/24
Right Out: 28.542+/-0.007 χ²/NDF: 1097406.9/20
Left In: 33.217+/-0.006 χ²/NDF:1221447.0/22
+ sign 30.868+/-0.004 χ²/NDF: 3046417.5/41
All: 31.138+/-0.003 χ²/NDF: 5638989.1/85
- sign 31.412+/-0.004 χ²/NDF: 2584919.6/43



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

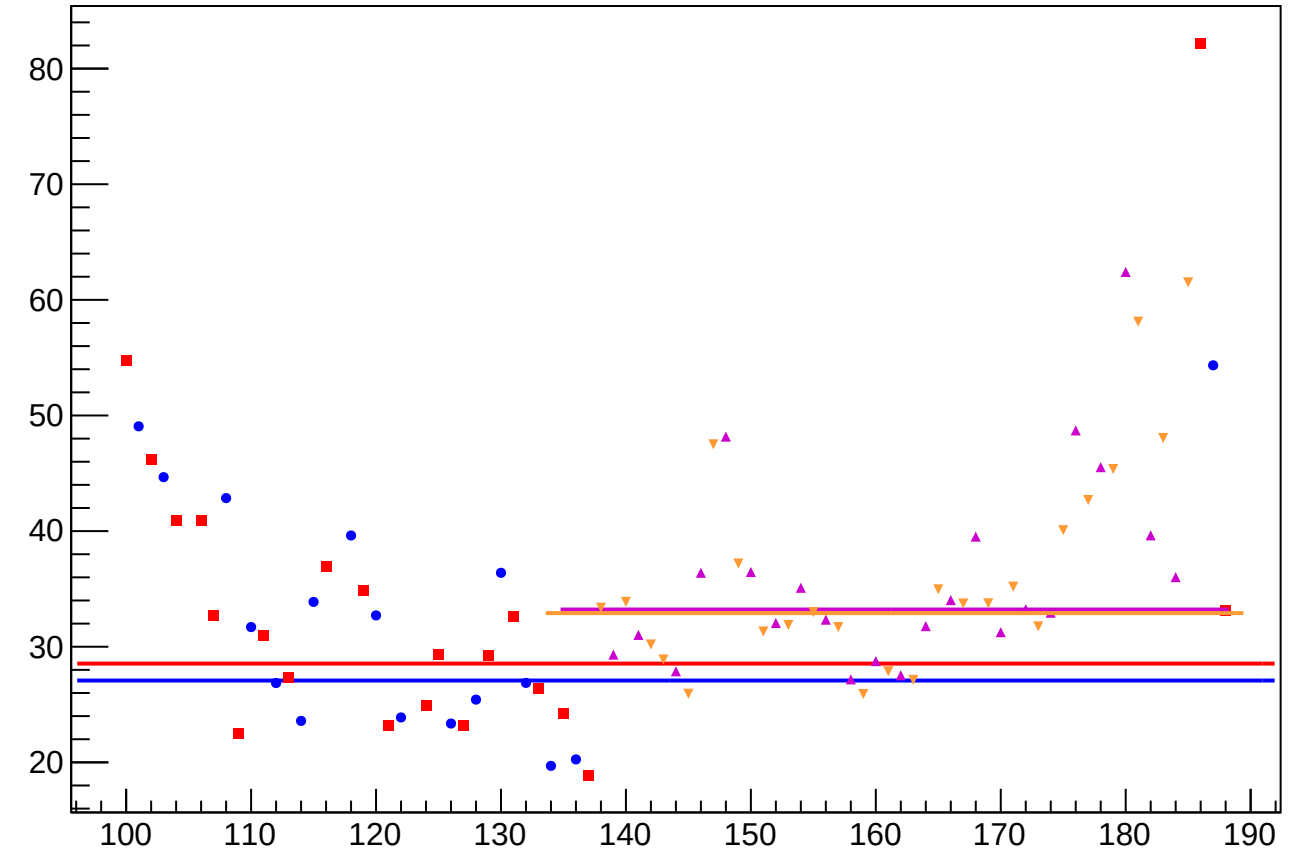
Right Out: 0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.001+/-0.006 χ^2/NDF: 44.7/41

All: 0.004+/-0.004 χ^2/NDF: 79.6/85

- sign 0.007+/-0.006 χ^2/NDF: 34.5/43



Right In: 27.077+/-0.007 χ^2/NDF: 1215292.7/16

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

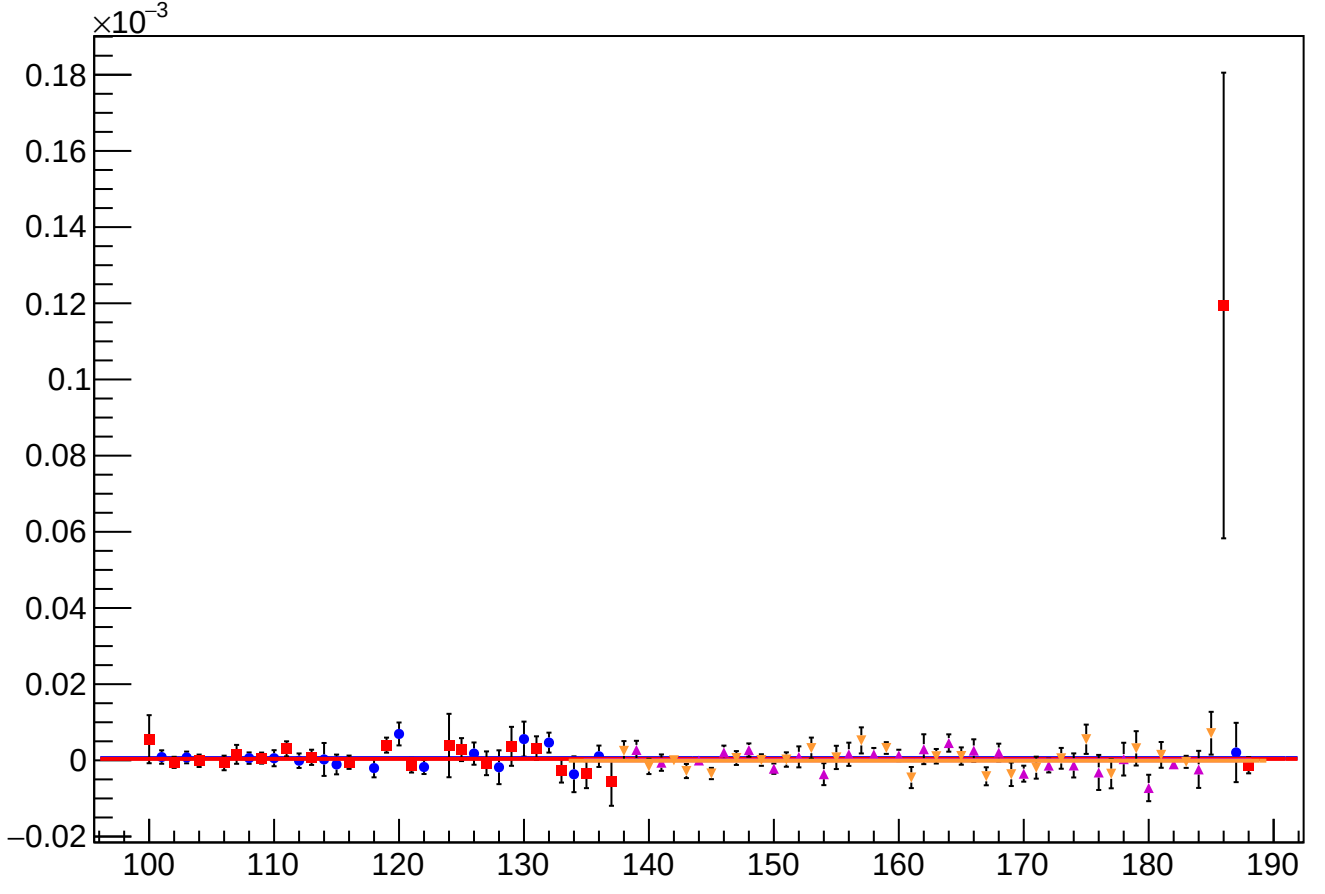
Right Out: 28.542+/-0.007 χ^2/NDF: 1097406.9/20

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 30.868+/-0.004 χ^2/NDF: 3046417.5/41

All: 31.138+/-0.003 χ^2/NDF: 5638989.1/85

- sign 31.412+/-0.004 χ^2/NDF: 2584919.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 12.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/20

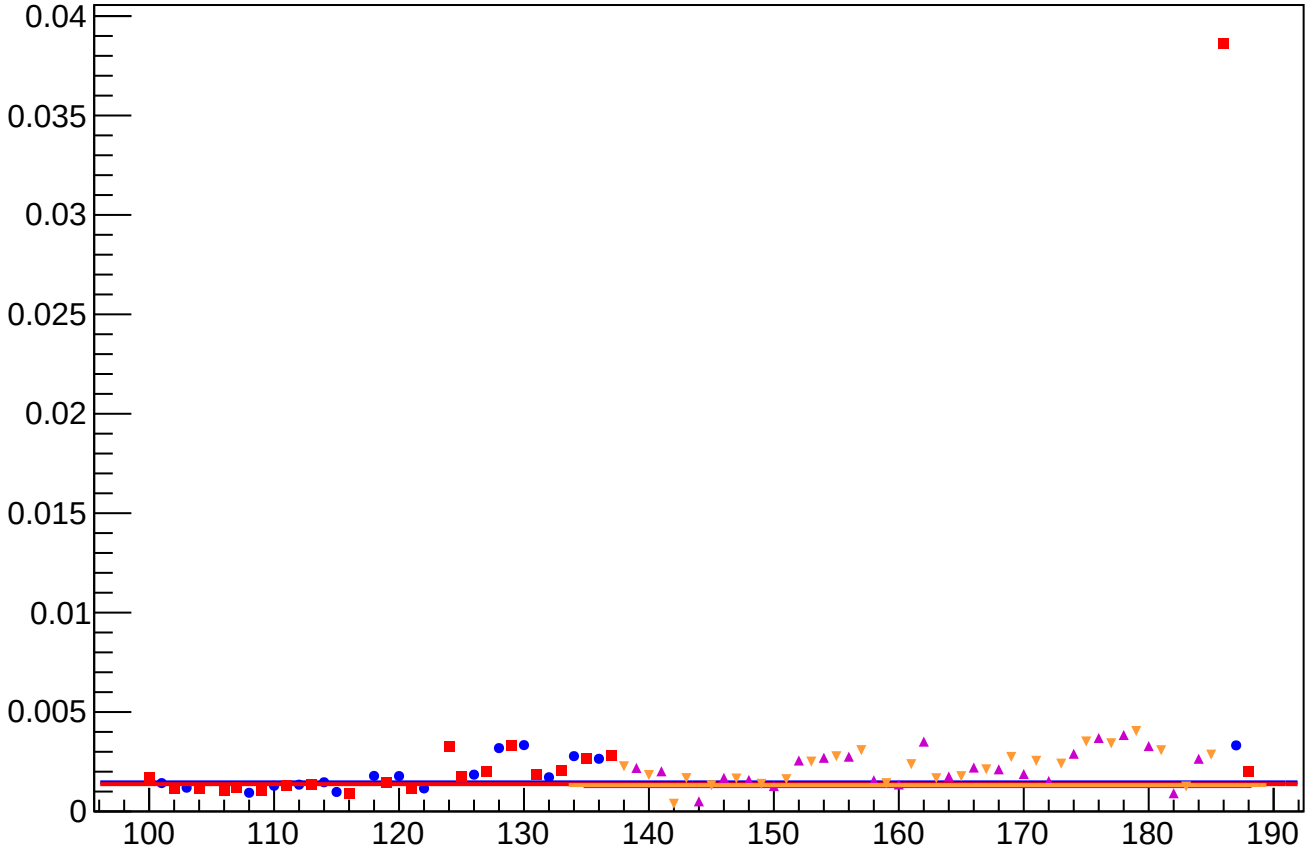
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.8/41

All: 0.000+/-0.000 χ^2/NDF: 89.8/85

- sign 0.000+/-0.000 χ^2/NDF: 45.0/43

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 1825339.3/16

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

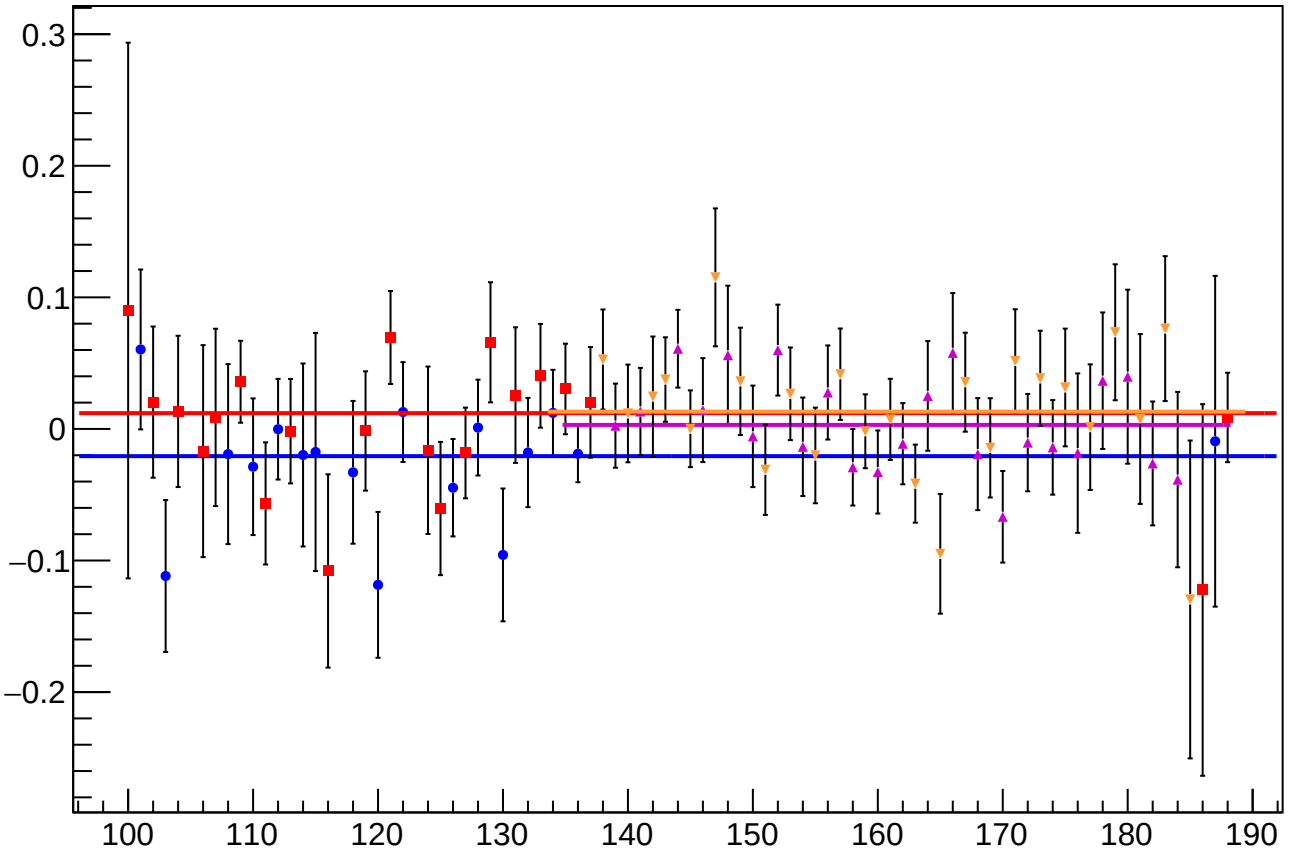
Right Out: 0.001+/-0.000 χ^2/NDF: 2351511.1/20

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 13064634.6/41

All: 0.001+/-0.000 χ^2/NDF: 25384828.4/85

- sign 0.001+/-0.000 χ^2/NDF: 12281243.7/43



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

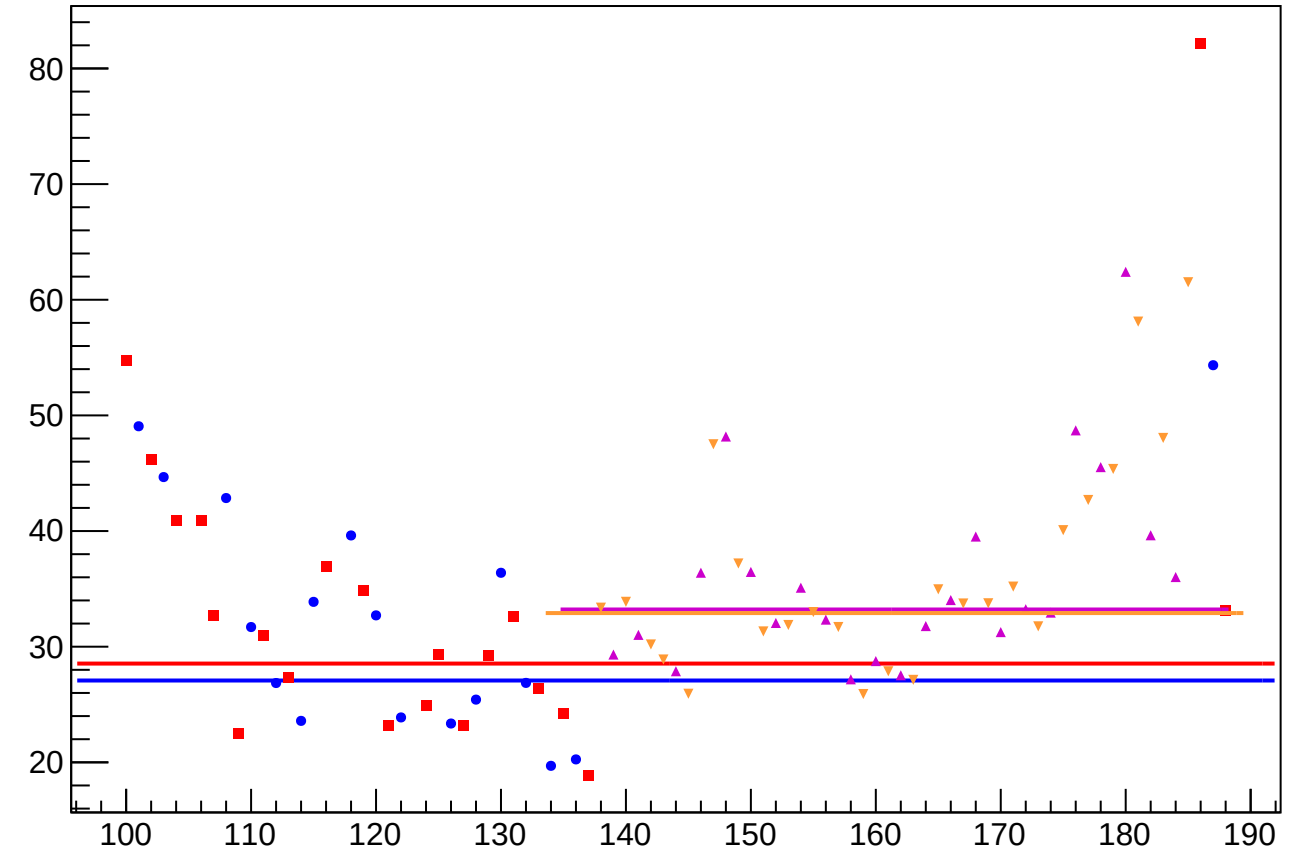
Right Out: 0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

\+ sign 0.001+/-0.006 χ^2/NDF: 44.7/41

All: 0.004+/-0.004 χ^2/NDF: 79.6/85

\- sign 0.007+/-0.006 χ^2/NDF: 34.5/43



Right In: 27.076+/-0.007 χ^2/NDF: 1215316.6/16

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

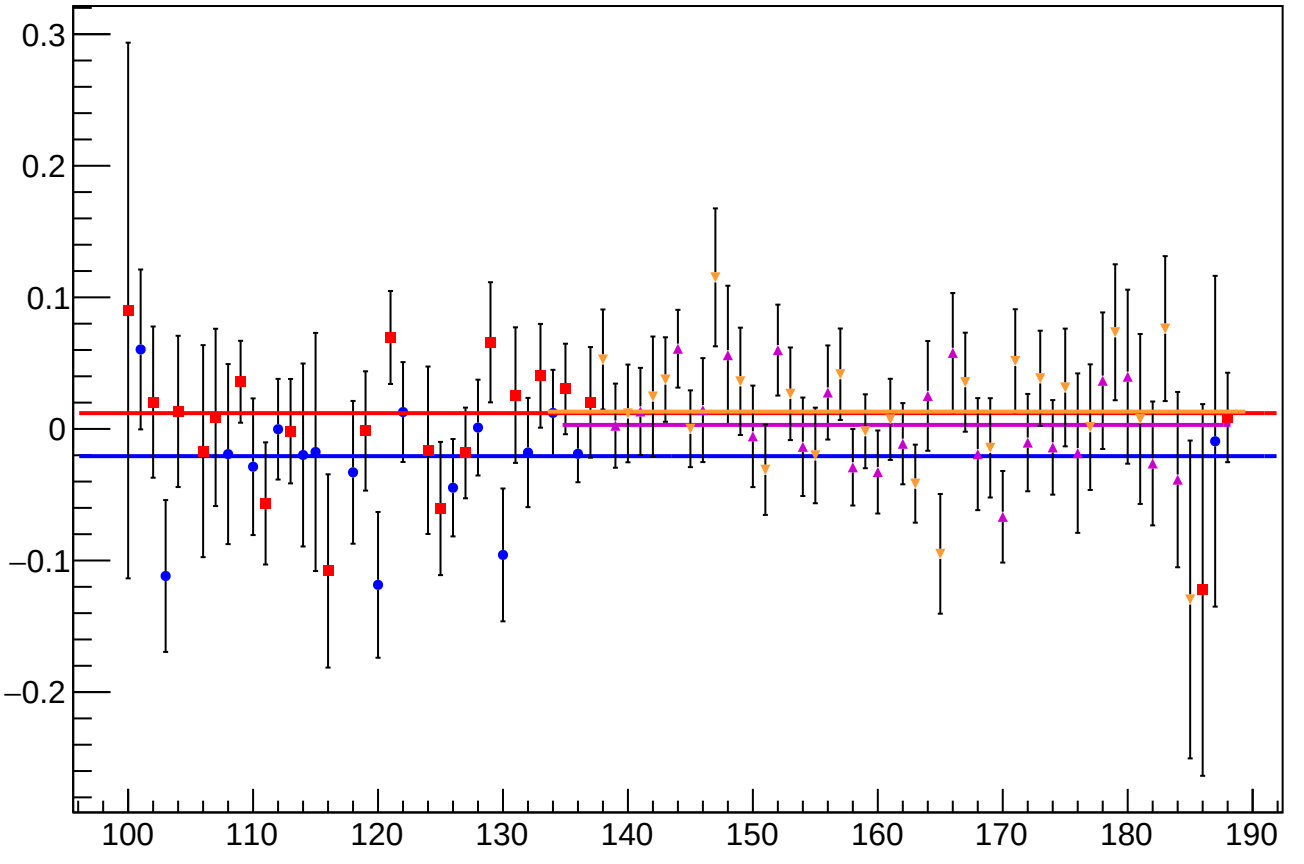
Right Out: 28.540+/-0.007 χ^2/NDF: 1097506.8/20

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 30.868+/-0.004 χ^2/NDF: 3046639.2/41

All: 31.138+/-0.003 χ^2/NDF: 5639529.8/85

- sign 31.412+/-0.004 χ^2/NDF: 2585241.4/43



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

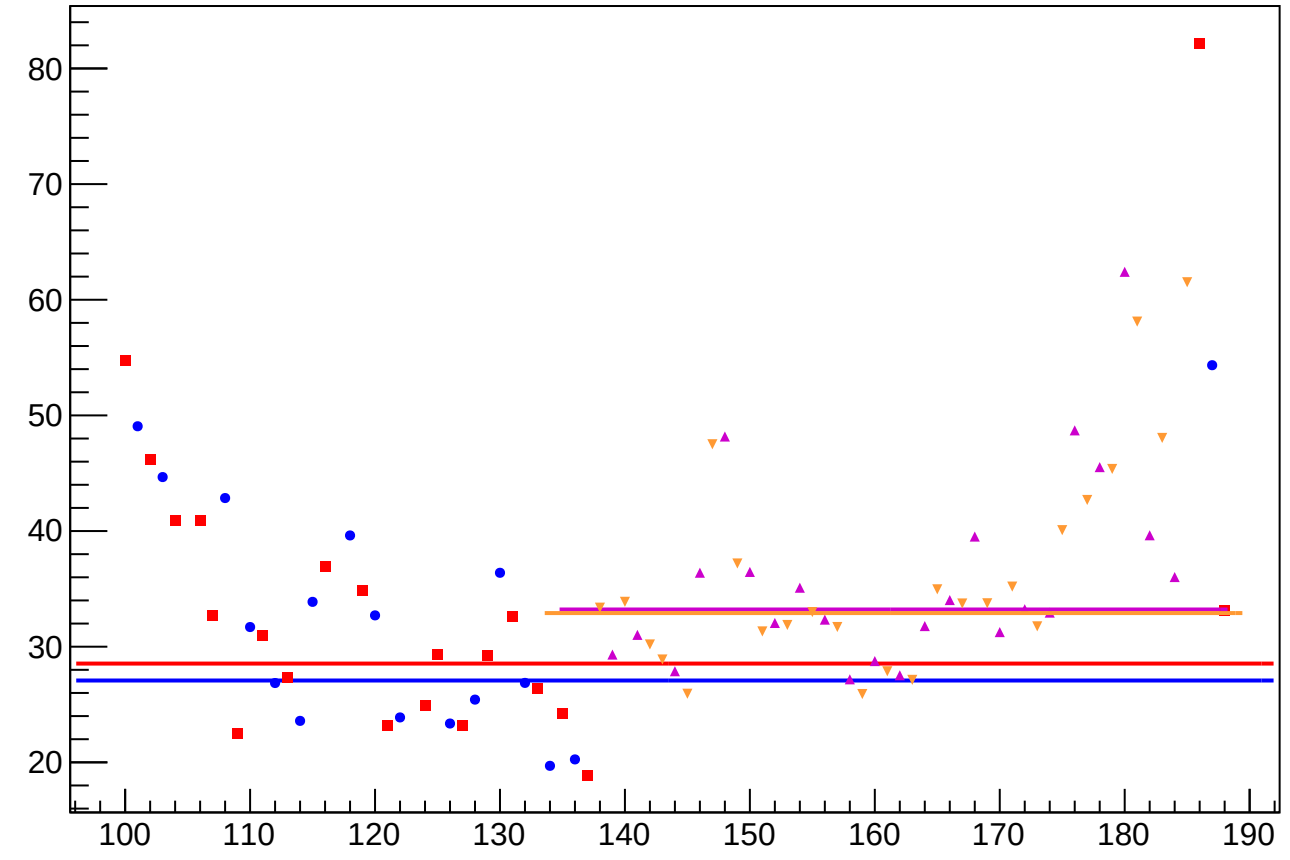
Right Out: 0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.001+/-0.006 χ^2/NDF: 44.7/41

All: 0.004+/-0.004 χ^2/NDF: 79.6/85

- sign 0.007+/-0.006 χ^2/NDF: 34.5/43



Right In: 27.076+/-0.007 χ^2/NDF: 1215316.6/16

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

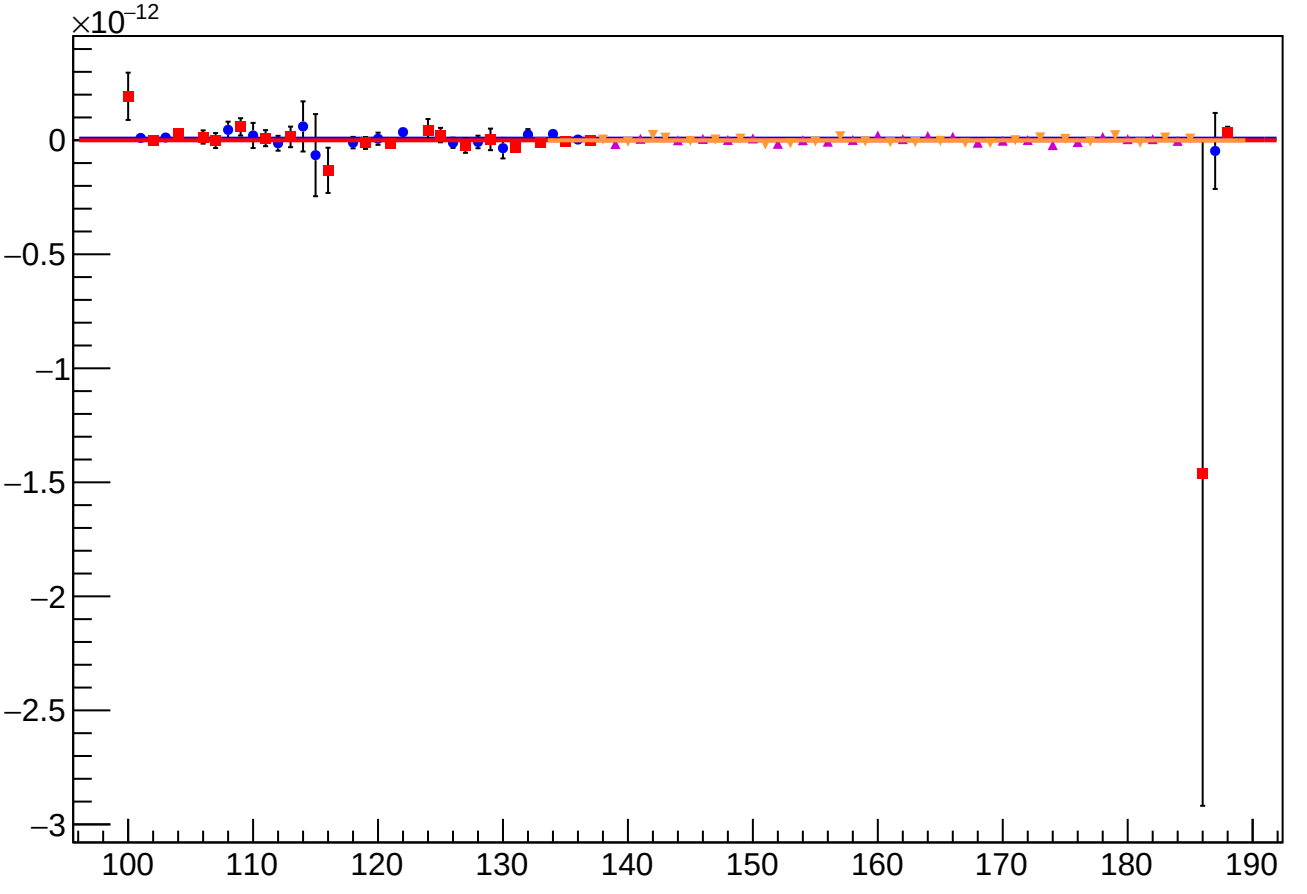
Right Out: 28.540+/-0.007 χ^2/NDF: 1097506.8/20

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 30.868+/-0.004 χ^2/NDF: 3046639.2/41

All: 31.138+/-0.003 χ^2/NDF: 5639529.8/85

- sign 31.412+/-0.004 χ^2/NDF: 2585241.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

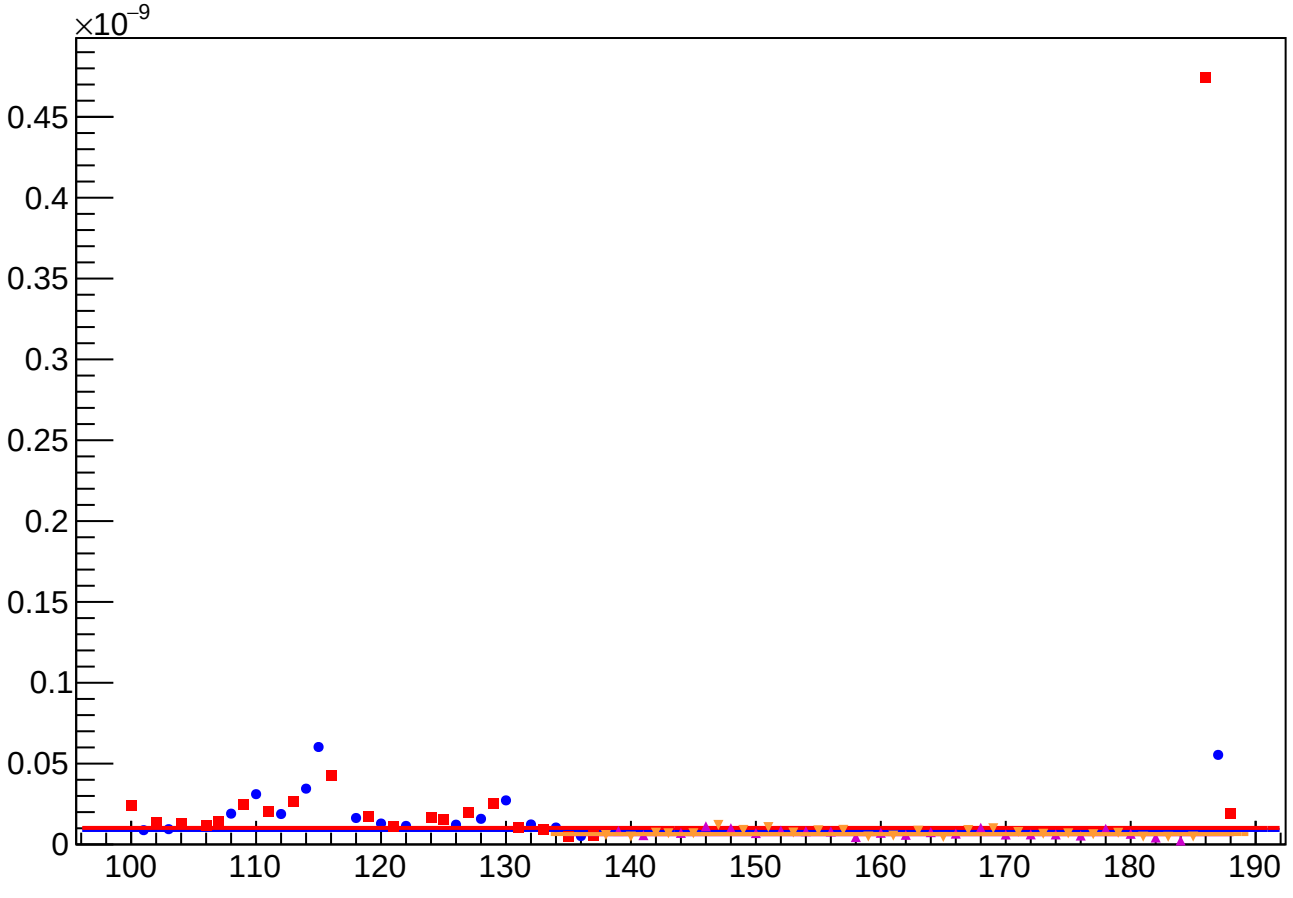
Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/20

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/41

All: 0.000+/-0.000 χ^2/NDF: 84.9/85

- sign 0.000+/-0.000 χ^2/NDF: 43.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 2558155.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3101879.5/20

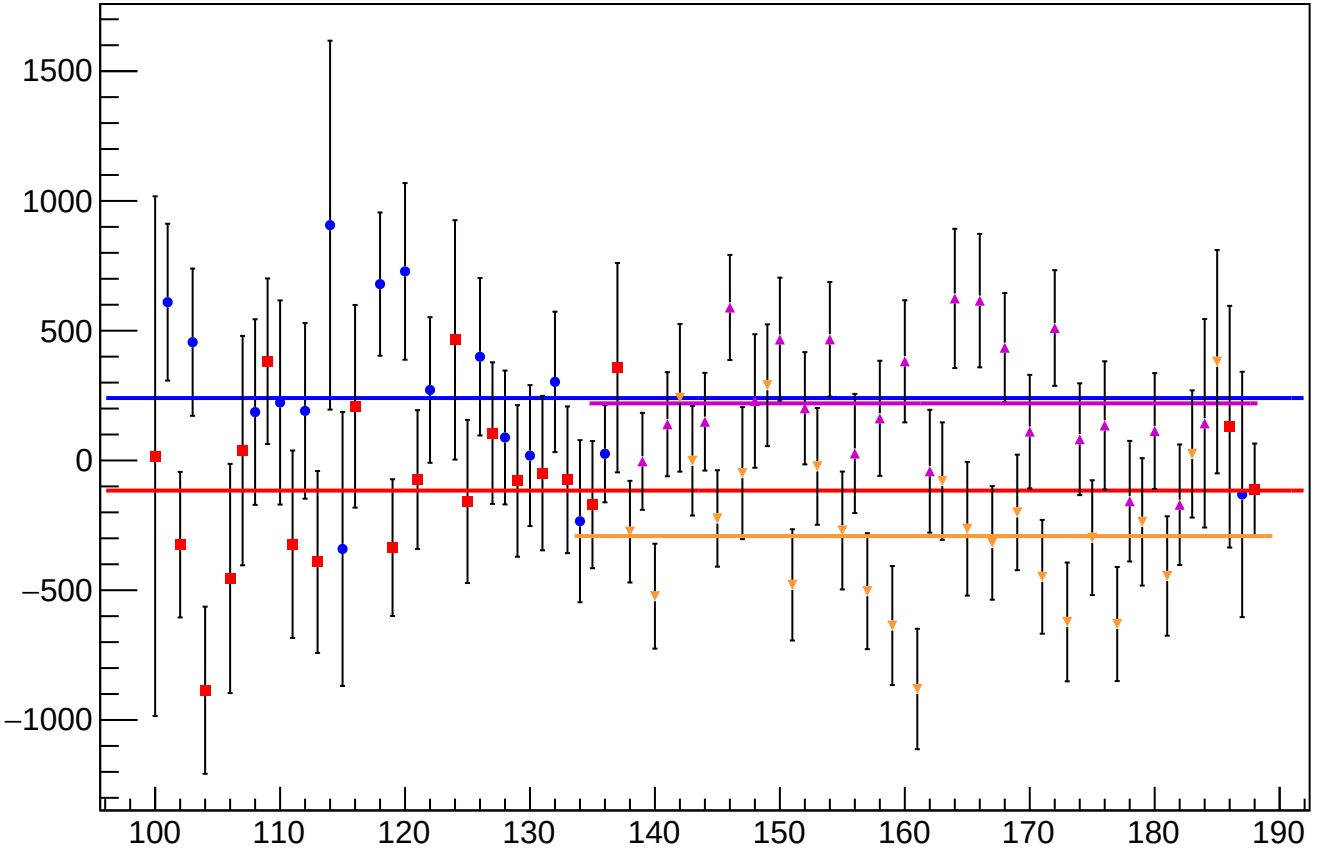
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4970002.9/41

All: 0.000+/-0.000 χ^2/NDF: 11336163.0/85

- sign 0.000+/-0.000 χ^2/NDF: 6365178.6/43

reg_asym_sam_26_dd_mean vs Slug



Right In: 240.445+/-73.955 χ^2/NDF: 14.4/16

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -116.018+/-67.841 χ^2/NDF: 15.8/20

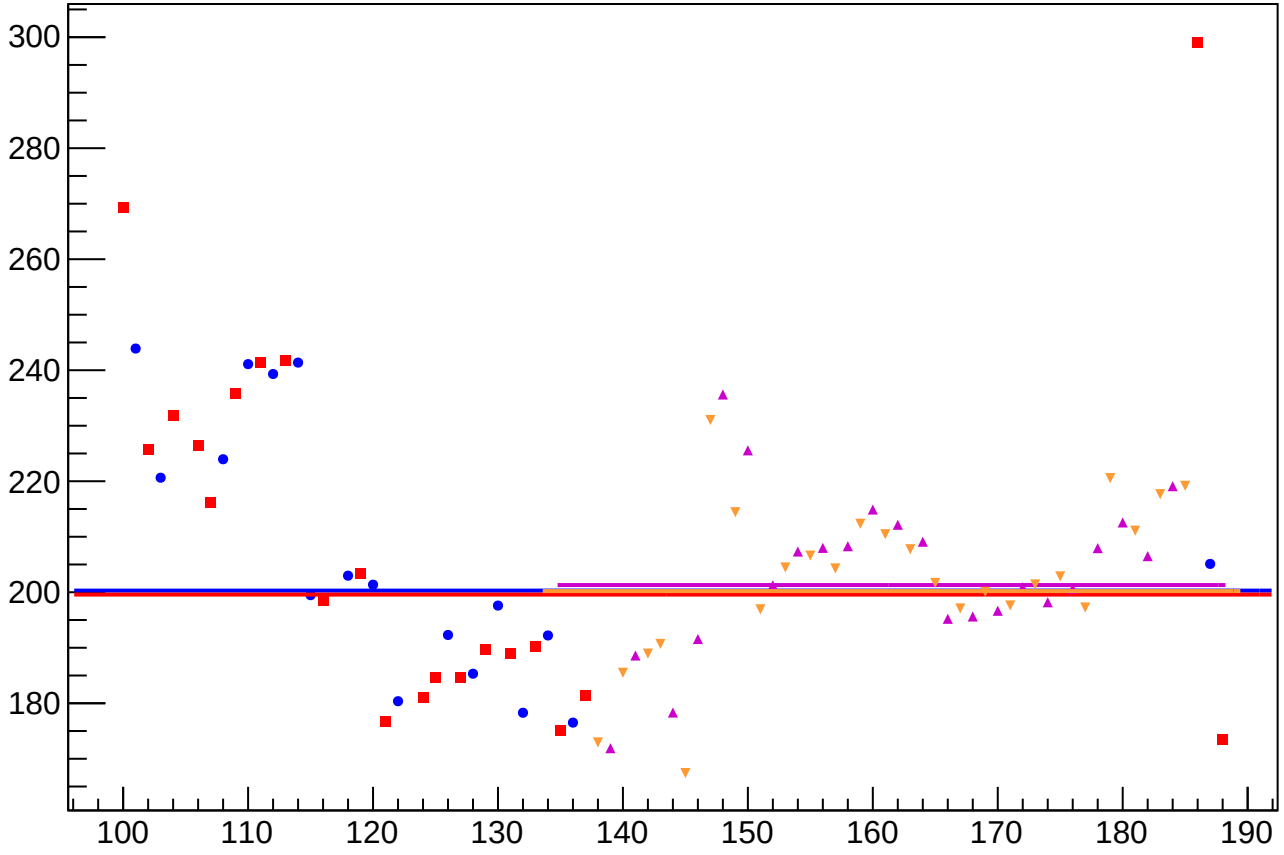
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -144.772+/-38.823 χ^2/NDF: 88.2/41

All: -16.753+/-27.414 χ^2/NDF: 166.0/85

- sign 110.553+/-38.715 χ^2/NDF: 56.1/43

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.298+/-0.052 χ^2/NDF: 181213.7/16

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

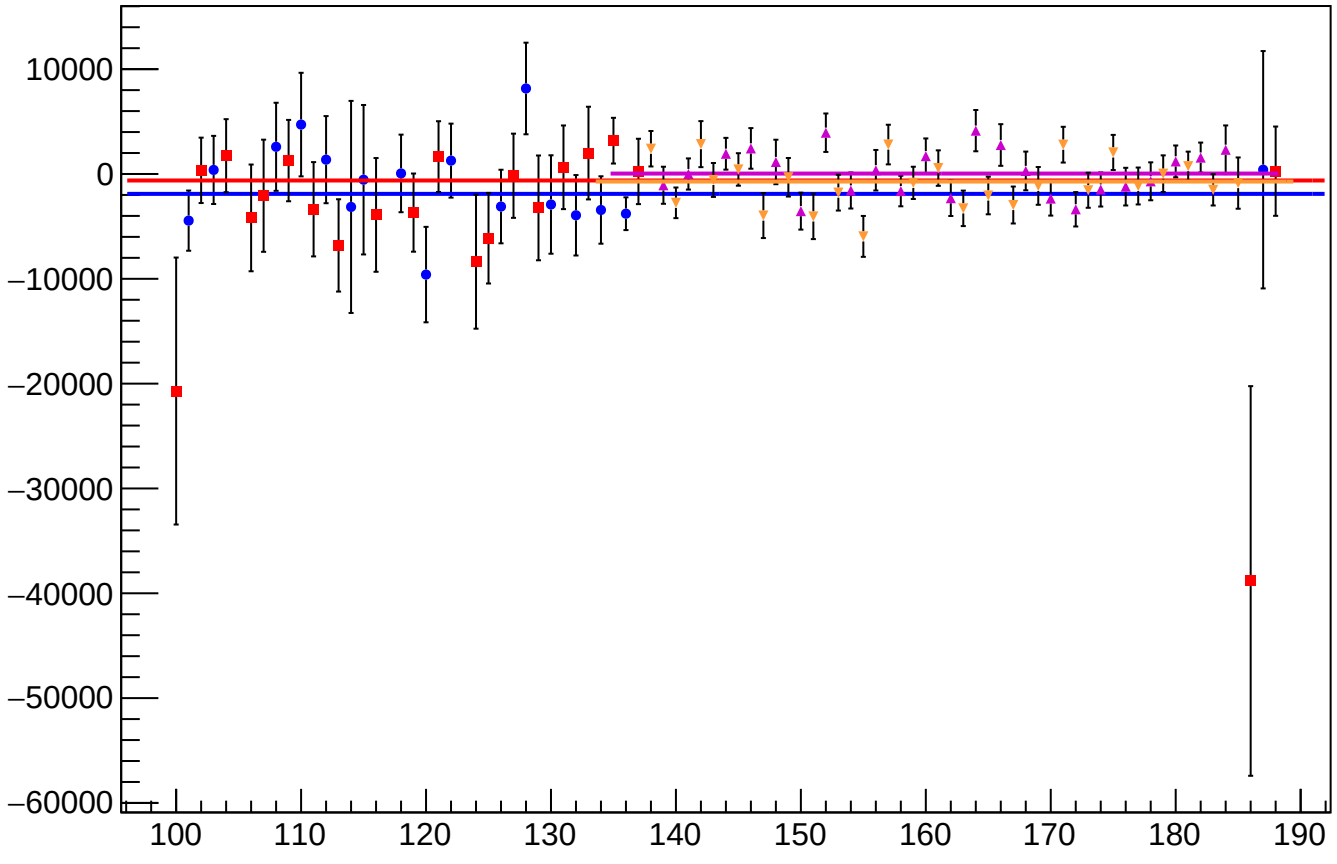
Right Out: 199.579+/-0.048 χ^2/NDF: 333159.5/20

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 200.234+/-0.027 χ^2/NDF: 385609.6/41

All: 200.487+/-0.019 χ^2/NDF: 901450.4/85

- sign 200.738+/-0.027 χ^2/NDF: 515672.1/43



Right In: -1897.096+/-856.625 χ^2/NDF: 16.3/16

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -620.917+/-879.987 χ^2/NDF: 18.9/20

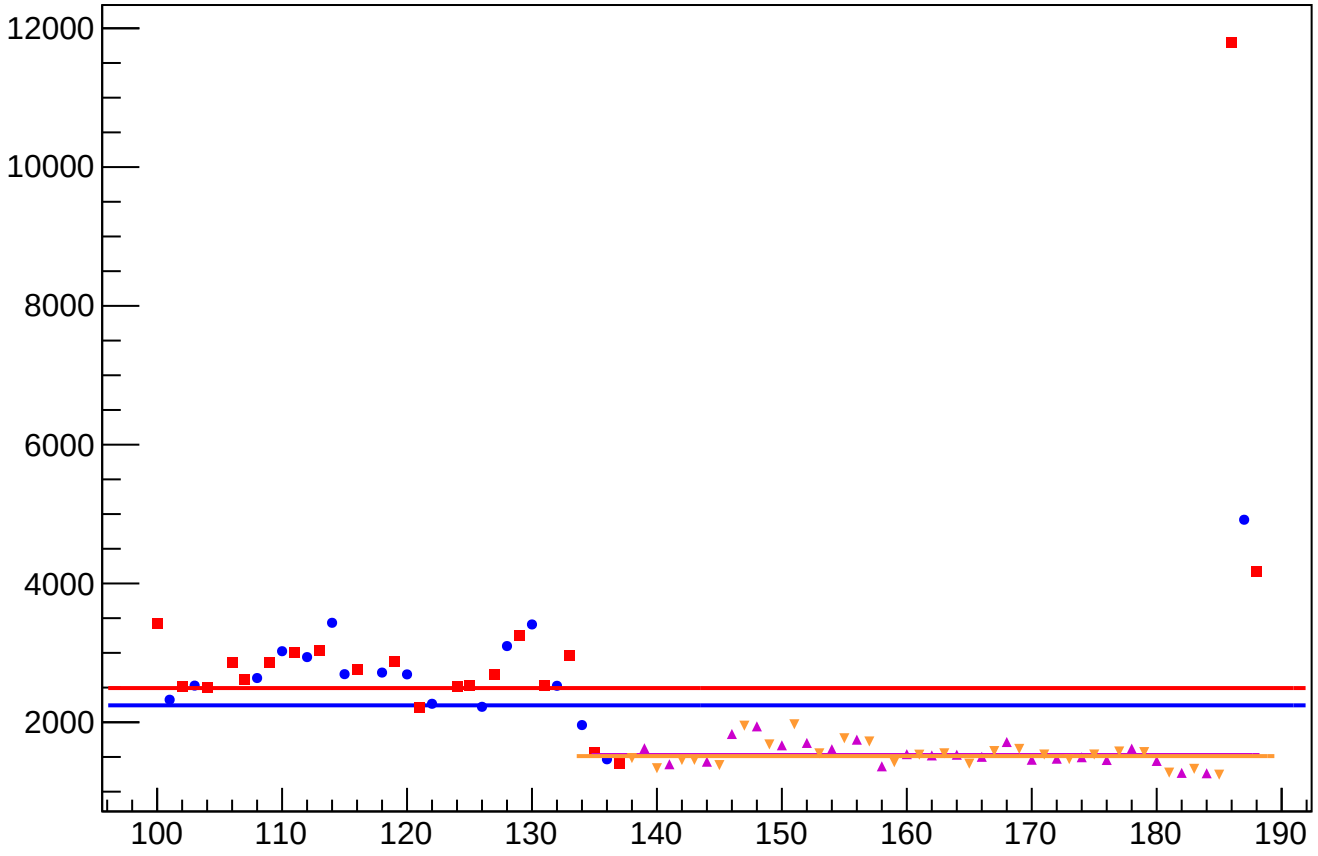
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -886.011+/-321.118 χ^2/NDF: 56.2/41

All: -485.134+/-231.022 χ^2/NDF: 113.2/85

- sign -55.042+/-332.613 χ^2/NDF: 53.8/43

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2243.829+/-0.606 χ^2/NDF: 1059895.1/16

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2492.778+/-0.622 χ^2/NDF: 1632670.0/20

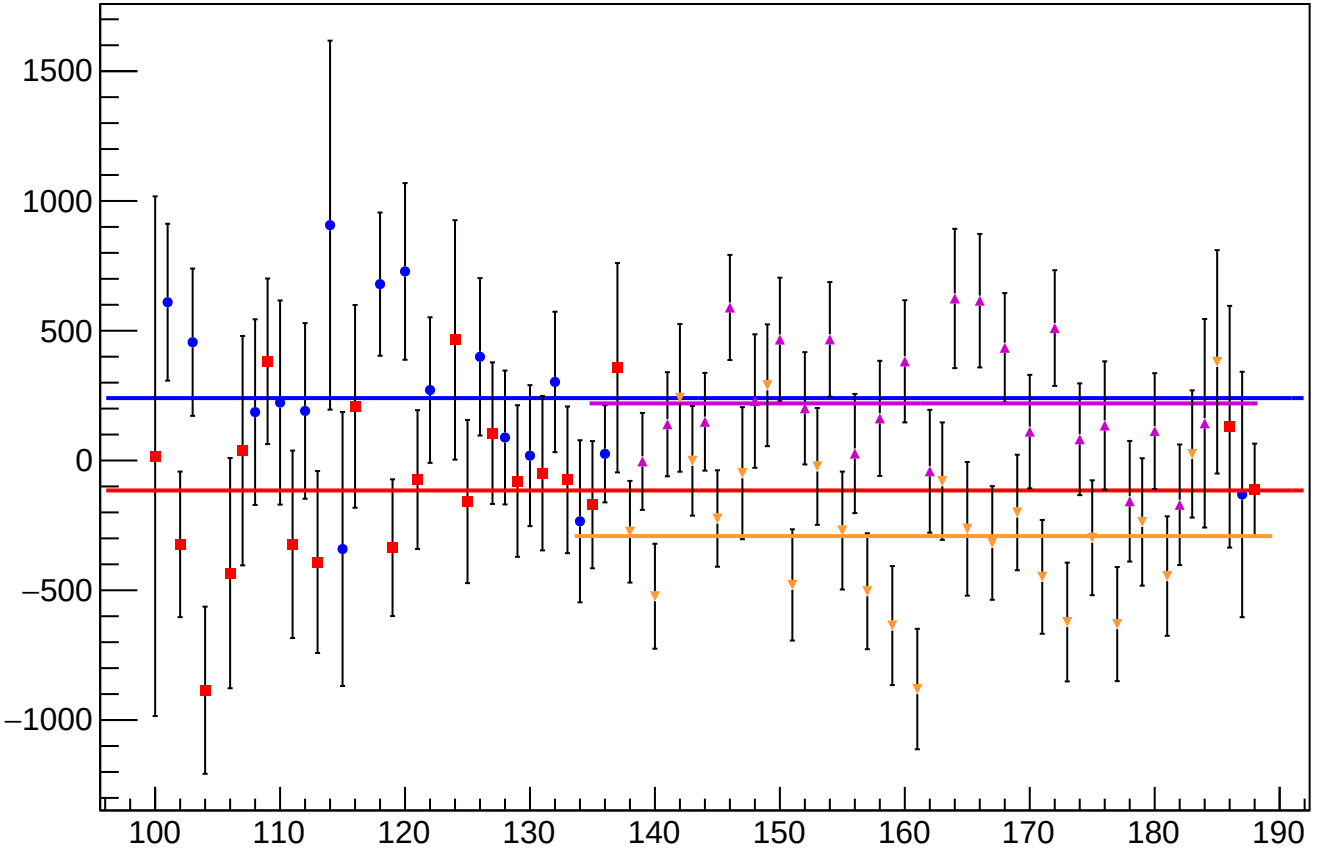
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1615.152+/-0.227 χ^2/NDF: 2755793.8/41

All: 1639.587+/-0.163 χ^2/NDF: 6847008.7/85

- sign 1665.803+/-0.235 χ^2/NDF: 4067210.6/43

cor_asym_sam_26_dd_mean vs Slug



Right In: 240.449+/-73.955 χ^2/NDF: 14.4/16

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -115.364+/-67.849 χ^2/NDF: 15.8/20

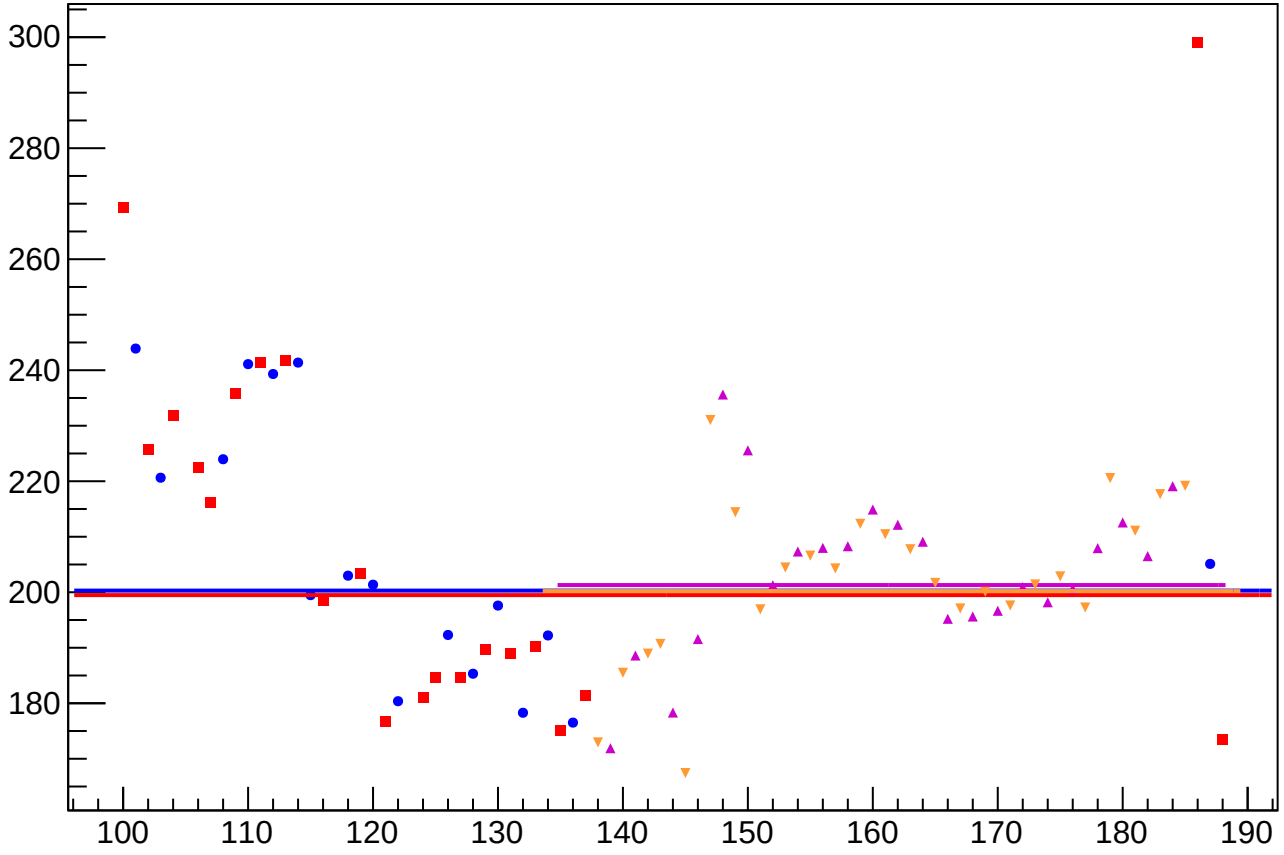
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -144.773+/-38.823 χ^2/NDF: 88.2/41

All: -16.640+/-27.414 χ^2/NDF: 165.9/85

- sign 110.788+/-38.717 χ^2/NDF: 56.0/43

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.298+/-0.052 χ^2/NDF: 181214.0/16

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

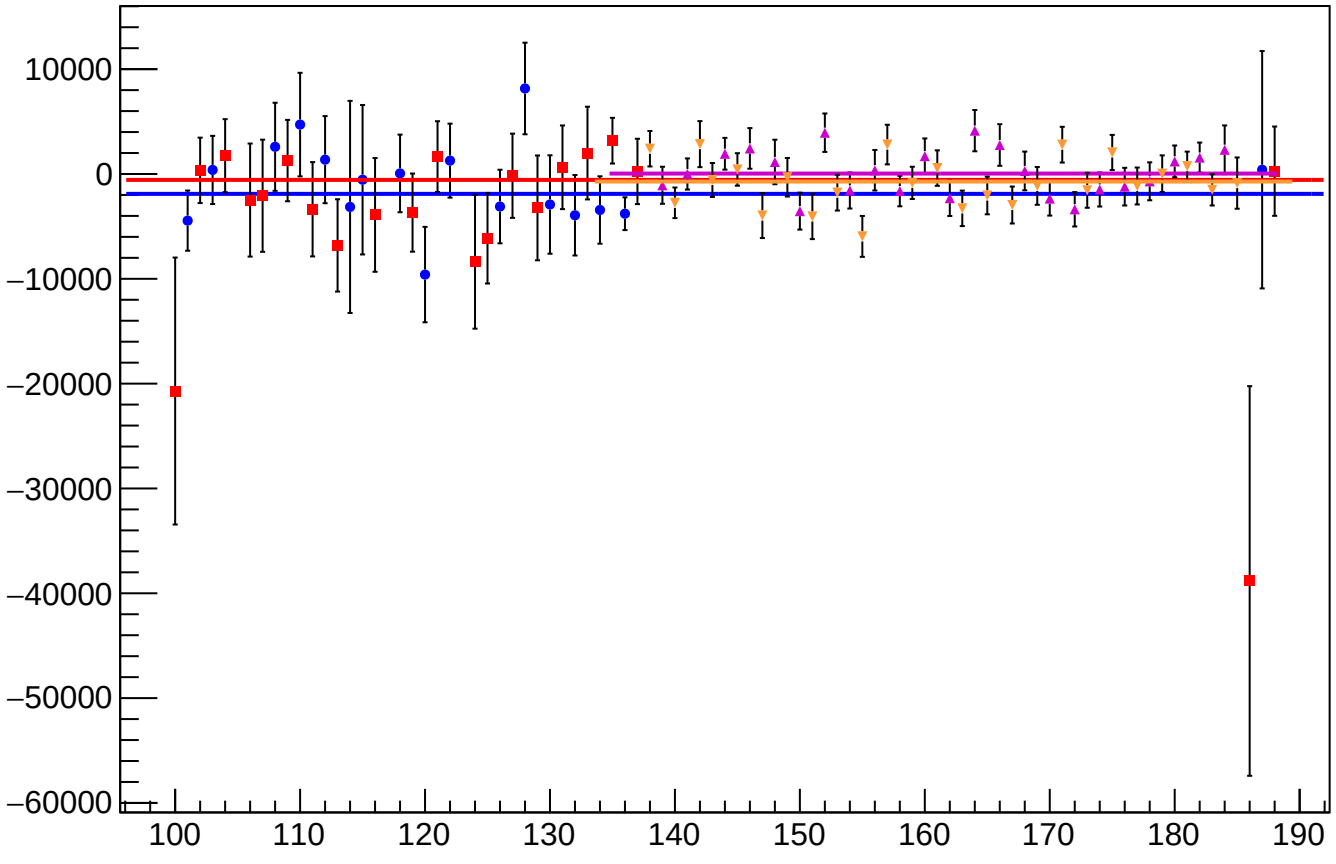
Right Out: 199.484+/-0.048 χ^2/NDF: 331178.3/20

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 200.234+/-0.027 χ^2/NDF: 385610.0/41

All: 200.471+/-0.019 χ^2/NDF: 899547.1/85

- sign 200.707+/-0.027 χ^2/NDF: 513788.3/43



Right In: -1897.058+/-856.627 χ^2/NDF: 16.3/16

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -564.104+/-881.445 χ^2/NDF: 18.5/20

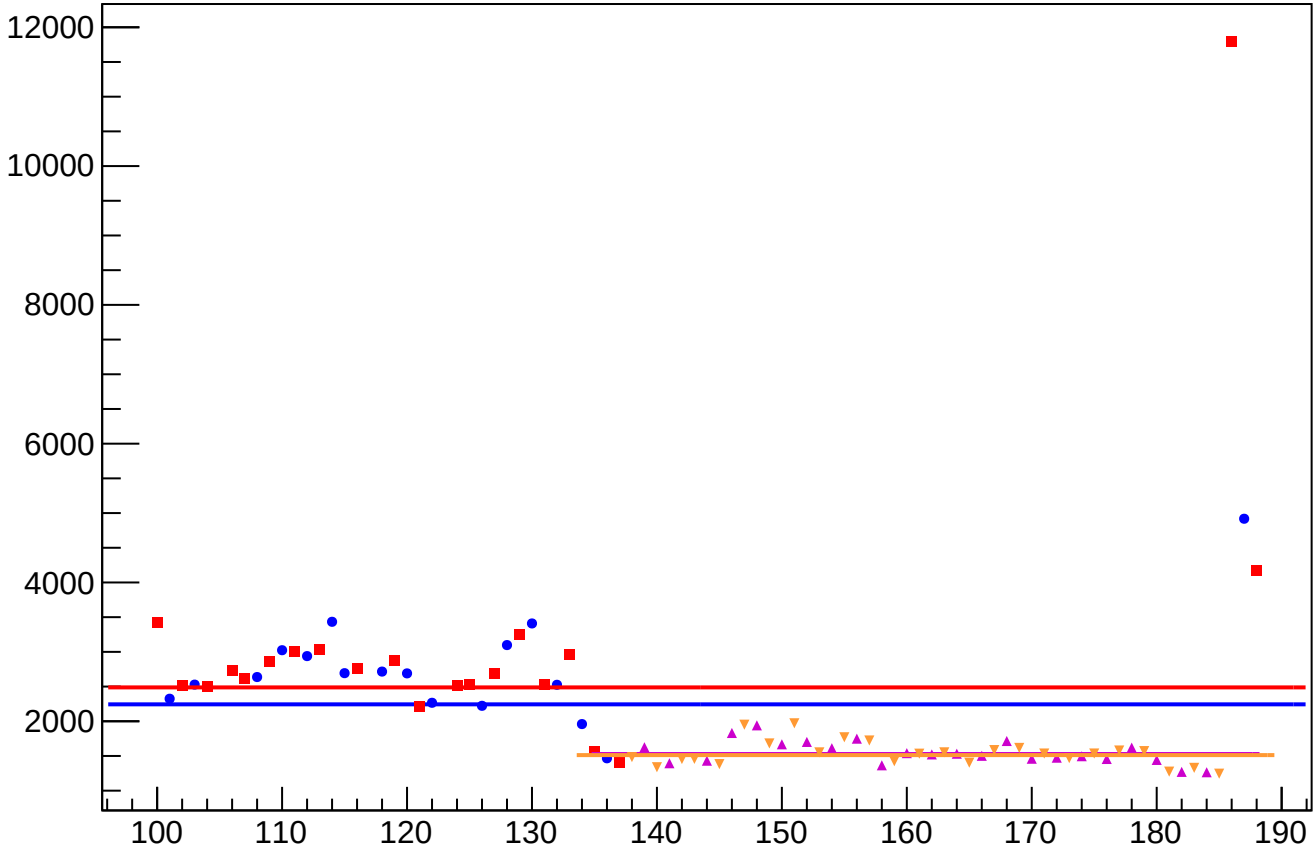
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -886.009+/-321.118 χ^2/NDF: 56.2/41

All: -481.199+/-231.048 χ^2/NDF: 112.8/85

- sign -46.683+/-332.692 χ^2/NDF: 53.3/43

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2243.833+/-0.606 χ^2/NDF: 1059899.3/16

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

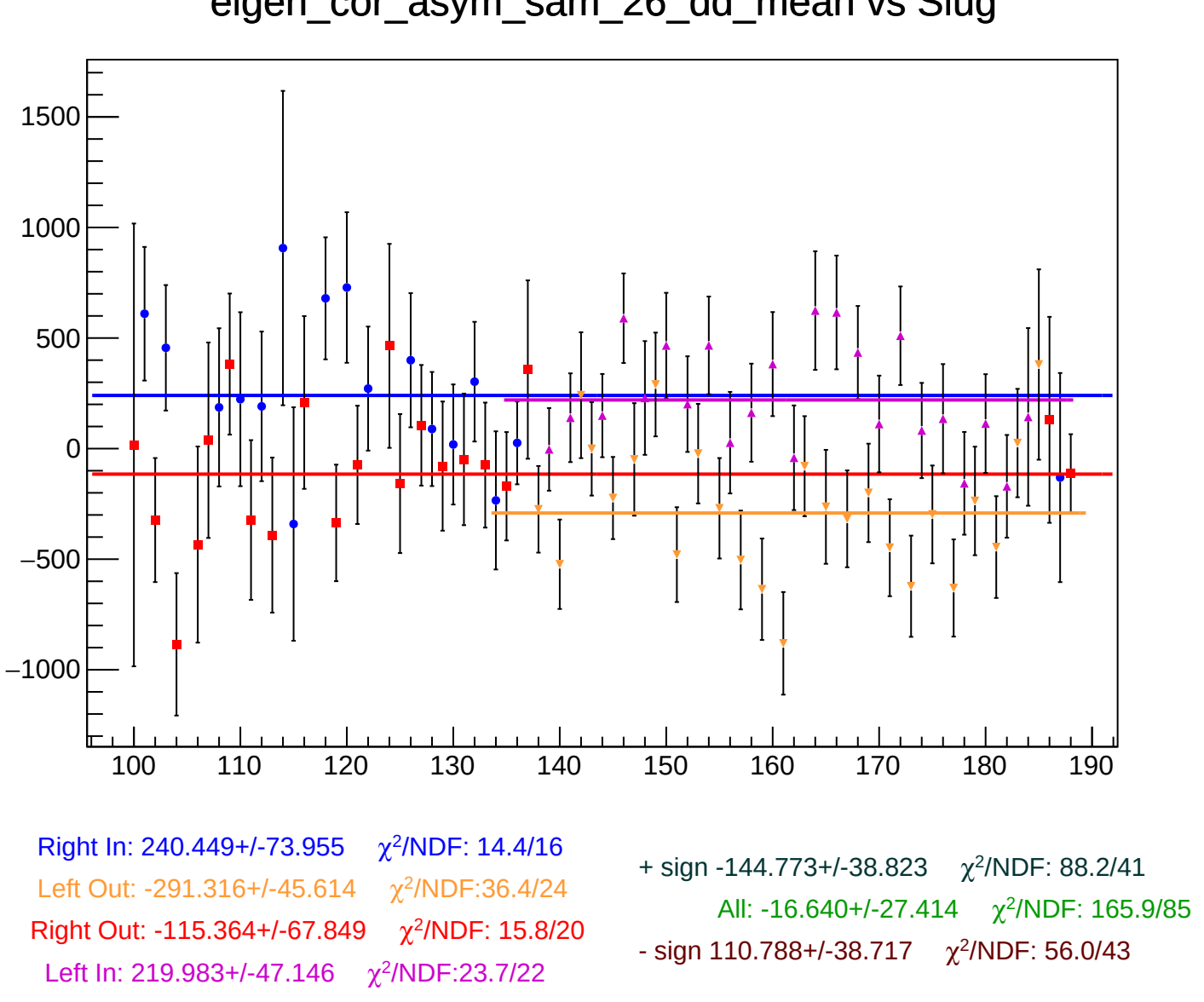
Right Out: 2487.991+/-0.623 χ^2/NDF: 1625706.2/20

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

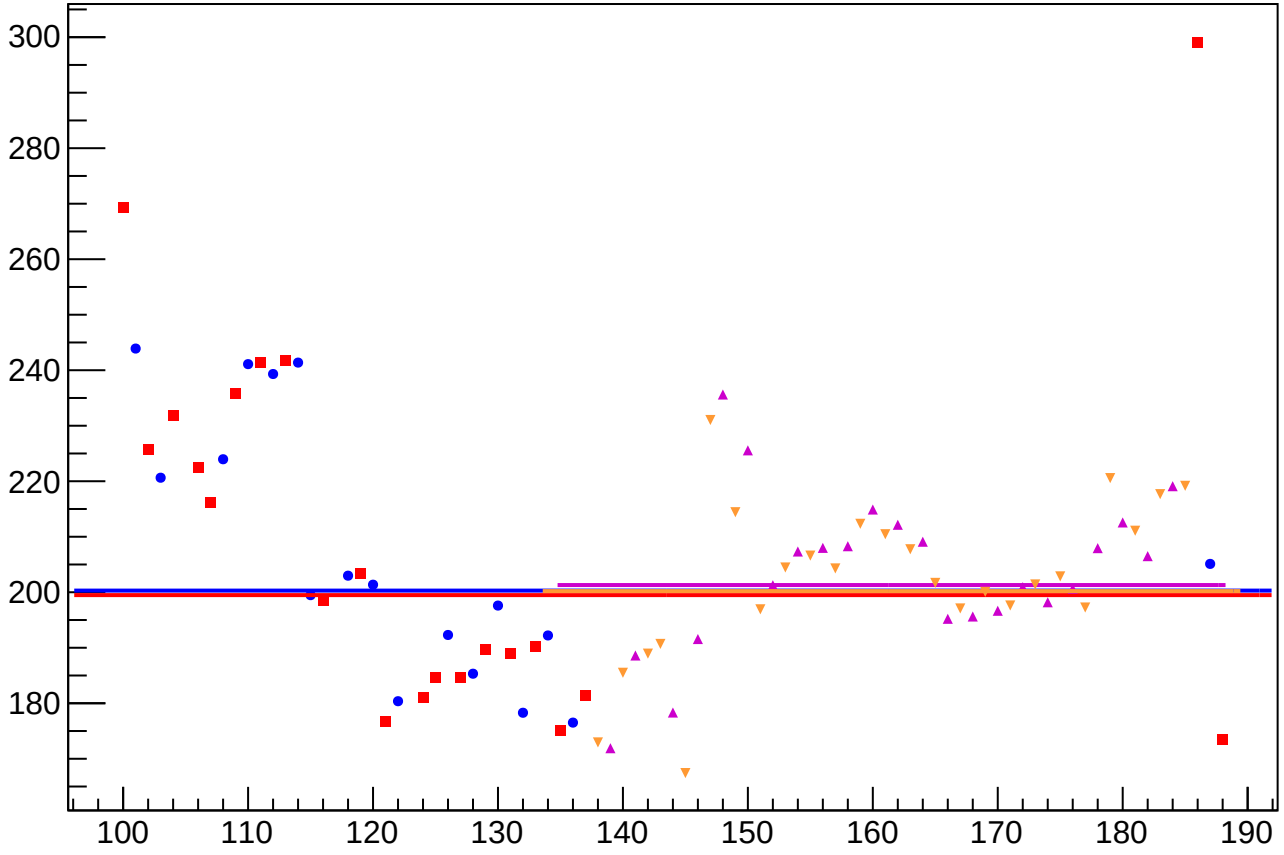
+ sign 1615.153+/-0.227 χ^2/NDF: 2755807.3/41

All: 1639.064+/-0.163 χ^2/NDF: 6812864.0/85

- sign 1664.730+/-0.235 χ^2/NDF: 4034064.0/43


eigen_cor_asym_sam_26_dd_mean vs Slug
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 240.449+/-73.955 χ²/NDF: 14.4/16
Left Out: -291.316+/-45.614 χ²/NDF:36.4/24
Right Out: -115.364+/-67.849 χ²/NDF: 15.8/20
Left In: 219.983+/-47.146 χ²/NDF:23.7/22
+ sign -144.773+/-38.823 χ²/NDF: 88.2/41
All: -16.640+/-27.414 χ²/NDF: 165.9/85
- sign 110.788+/-38.717 χ²/NDF: 56.0/43

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 200.298+/-0.052 χ^2/NDF: 181214.0/16

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

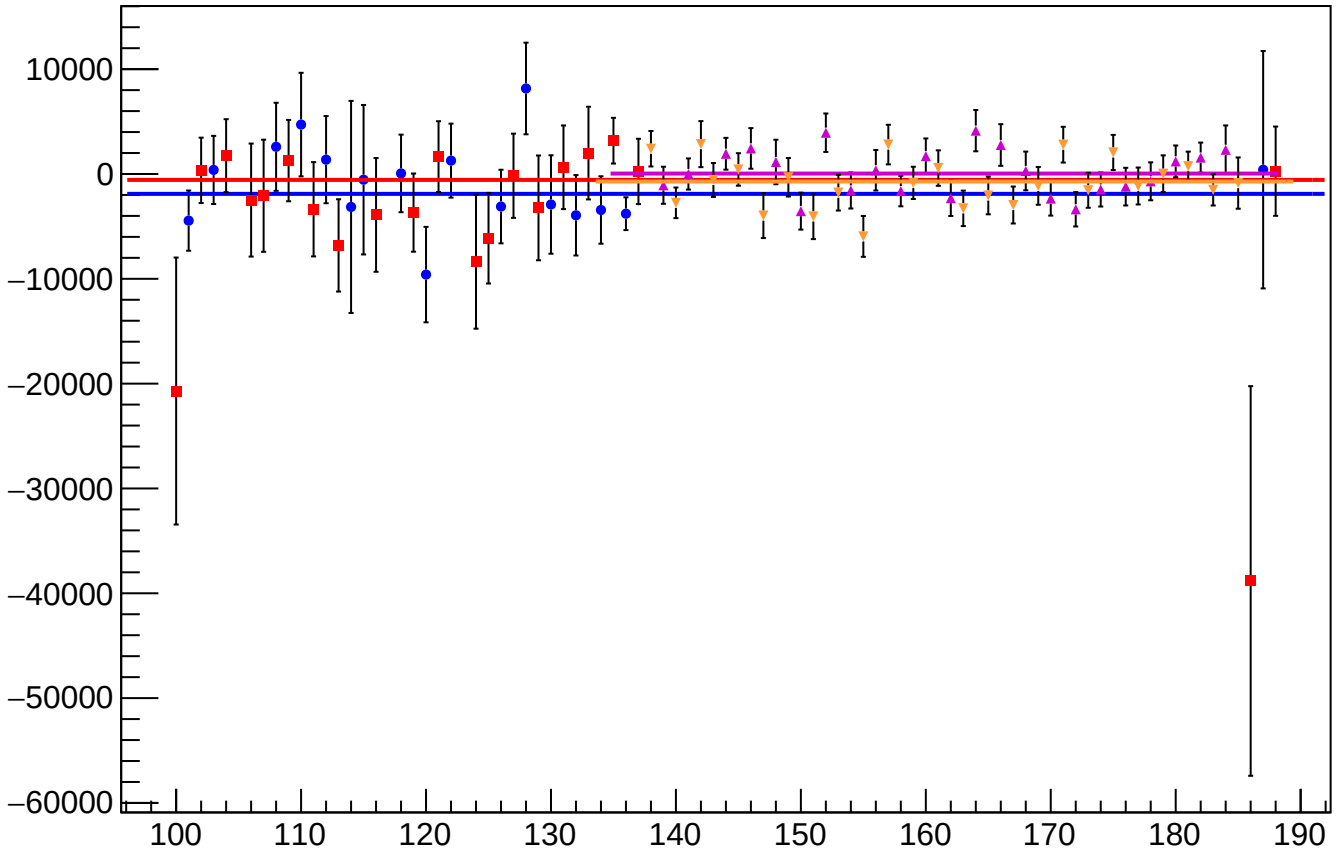
Right Out: 199.484+/-0.048 χ^2/NDF: 331178.3/20

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 200.234+/-0.027 χ^2/NDF: 385610.0/41

All: 200.471+/-0.019 χ^2/NDF: 899547.1/85

- sign 200.707+/-0.027 χ^2/NDF: 513788.3/43



Right In: -1897.058+/-856.627 χ^2/NDF: 16.3/16

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -564.104+/-881.445 χ^2/NDF: 18.5/20

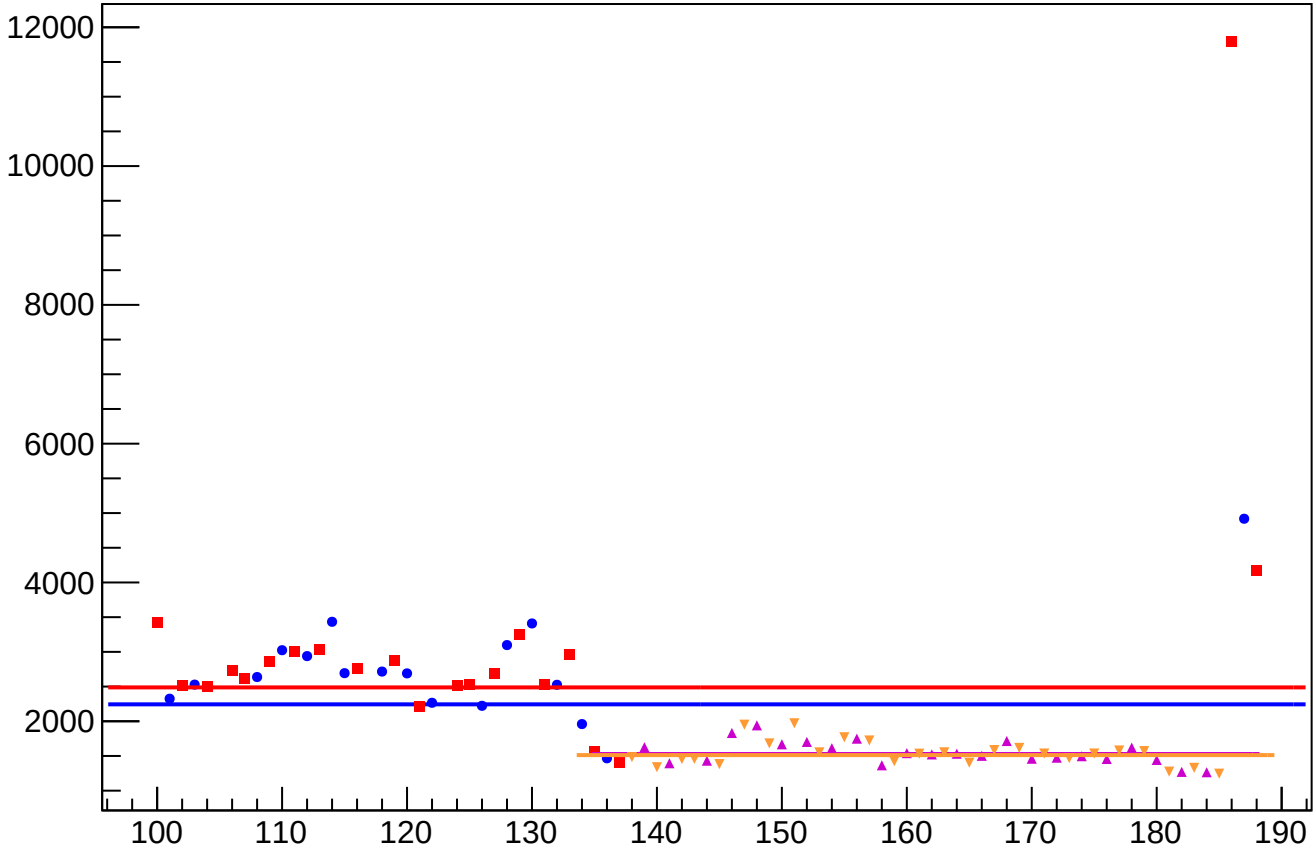
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -886.009+/-321.118 χ^2/NDF: 56.2/41

All: -481.199+/-231.048 χ^2/NDF: 112.8/85

- sign -46.683+/-332.692 χ^2/NDF: 53.3/43

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2243.833+/-0.606 χ^2/NDF: 1059899.3/16

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2487.991+/-0.623 χ^2/NDF: 1625706.2/20

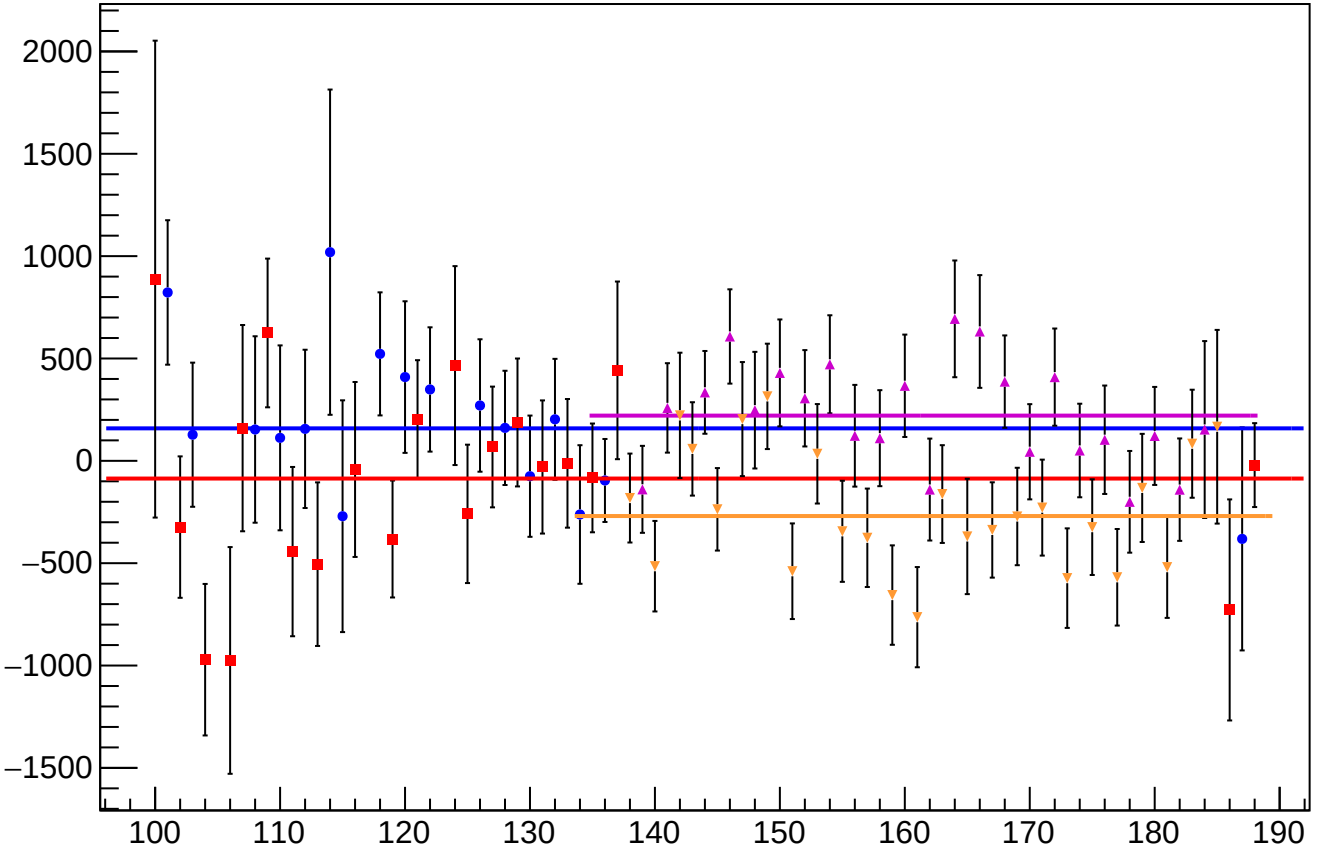
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1615.153+/-0.227 χ^2/NDF: 2755807.3/41

All: 1639.064+/-0.163 χ^2/NDF: 6812864.0/85

- sign 1664.730+/-0.235 χ^2/NDF: 4034064.0/43

dit_asym_sam_26_dd_mean vs Slug



Right In: 158.689+/-82.165 χ^2/NDF: 12.5/16

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -86.500+/-75.808 χ^2/NDF: 23.1/20

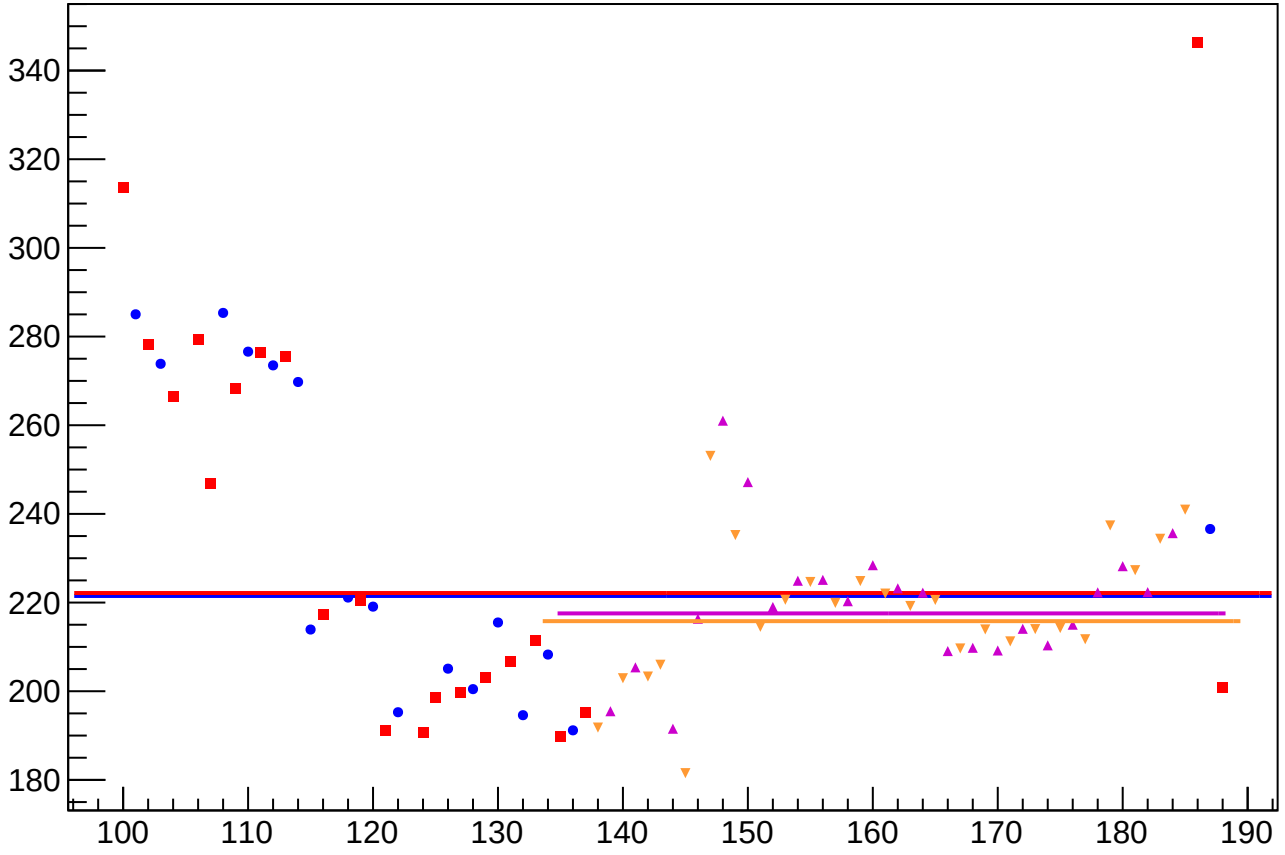
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -156.765+/-42.184 χ^2/NDF: 64.0/41

All: -16.108+/-29.866 χ^2/NDF: 144.1/85

- sign 125.255+/-42.290 χ^2/NDF: 57.8/43

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.491+/-0.058 χ^2/NDF: 320274.6/16

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 222.153+/-0.054 χ^2/NDF: 454431.5/20

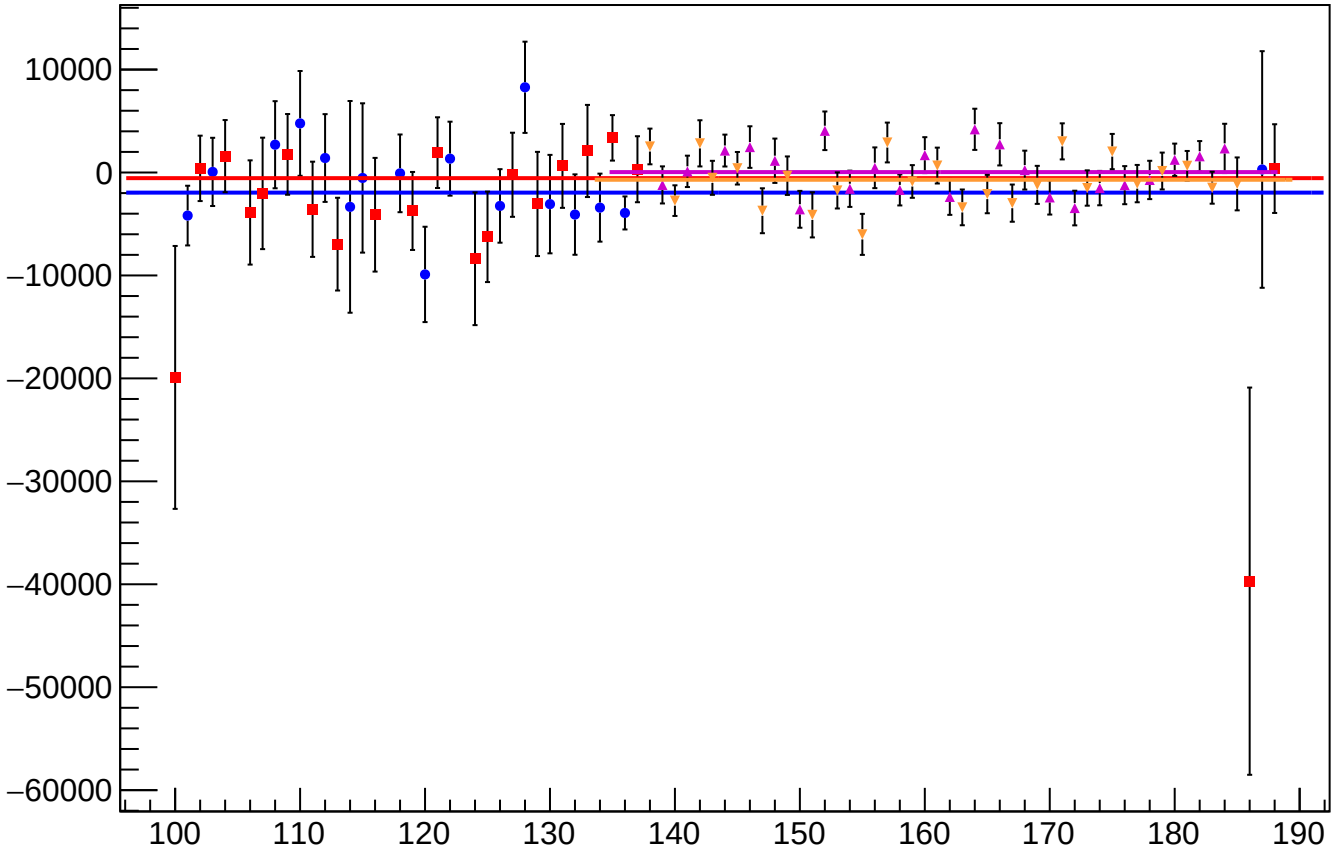
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 217.305+/-0.030 χ^2/NDF: 516022.1/41

All: 218.143+/-0.021 χ^2/NDF: 1138172.4/85

- sign 218.986+/-0.030 χ^2/NDF: 620566.5/43

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1954.339+/-874.071 χ^2/NDF: 16.2/16

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -548.092+/-893.807 χ^2/NDF: 19.1/20

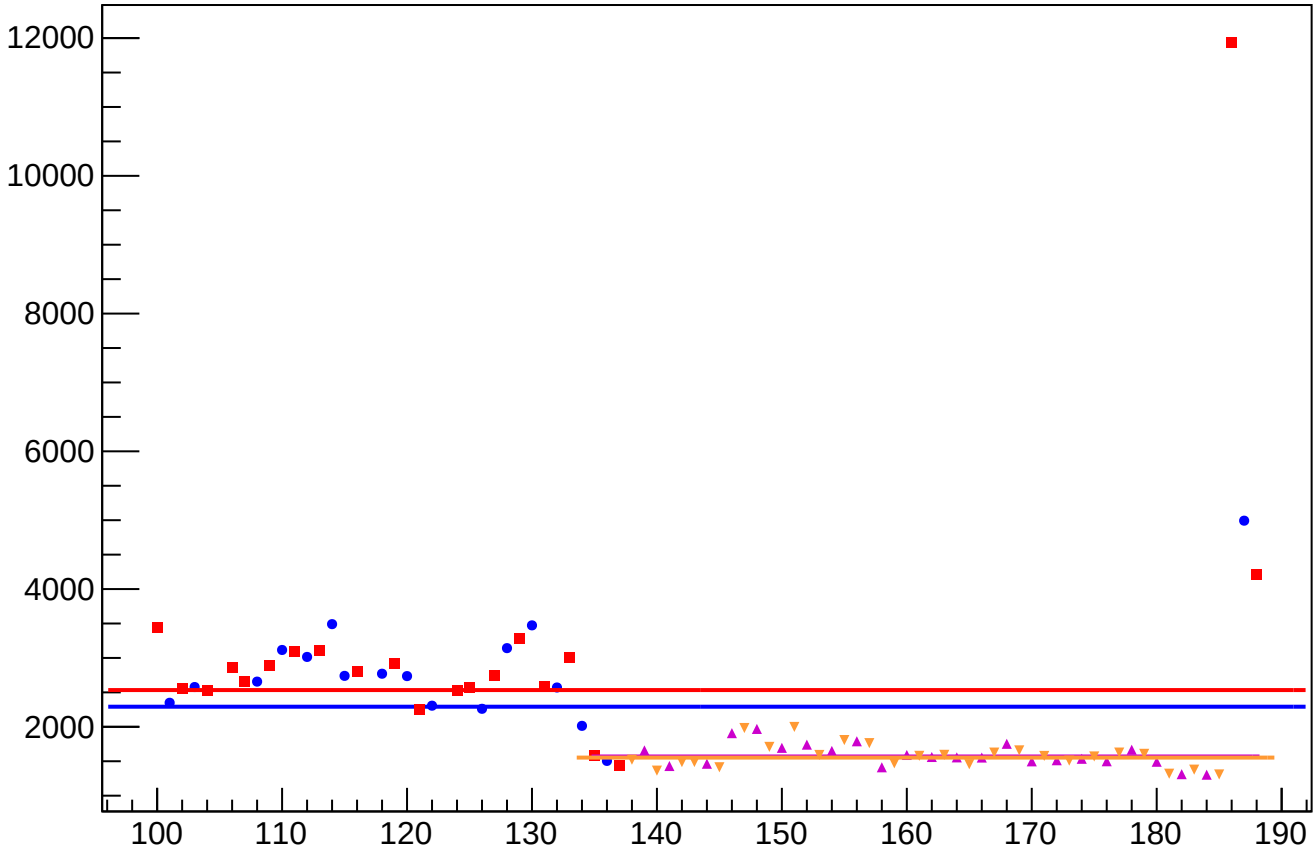
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -881.450+/-329.275 χ^2/NDF: 55.6/41

All: -478.249+/-236.861 χ^2/NDF: 112.5/85

- sign -45.879+/-340.977 χ^2/NDF: 53.8/43

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2291.849+/-0.618 χ^2/NDF: 1038100.7/16

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2533.453+/-0.632 χ^2/NDF: 1619414.3/20

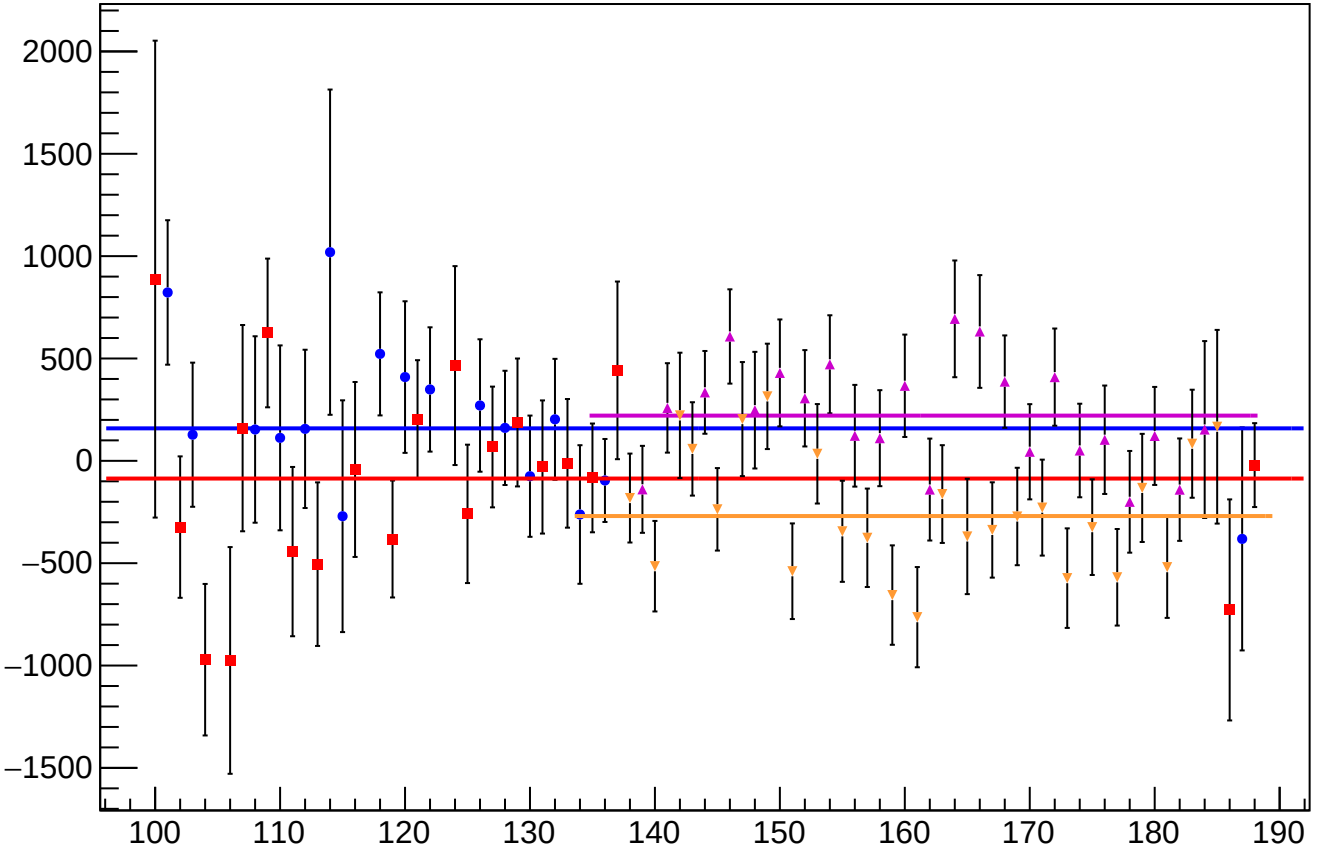
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1657.869+/-0.233 χ^2/NDF: 2674219.9/41

All: 1682.874+/-0.167 χ^2/NDF: 6663189.5/85

- sign 1709.687+/-0.241 χ^2/NDF: 3965068.6/43

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 158.690+/-82.165 χ^2/NDF: 12.5/16

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -86.499+/-75.808 χ^2/NDF: 23.1/20

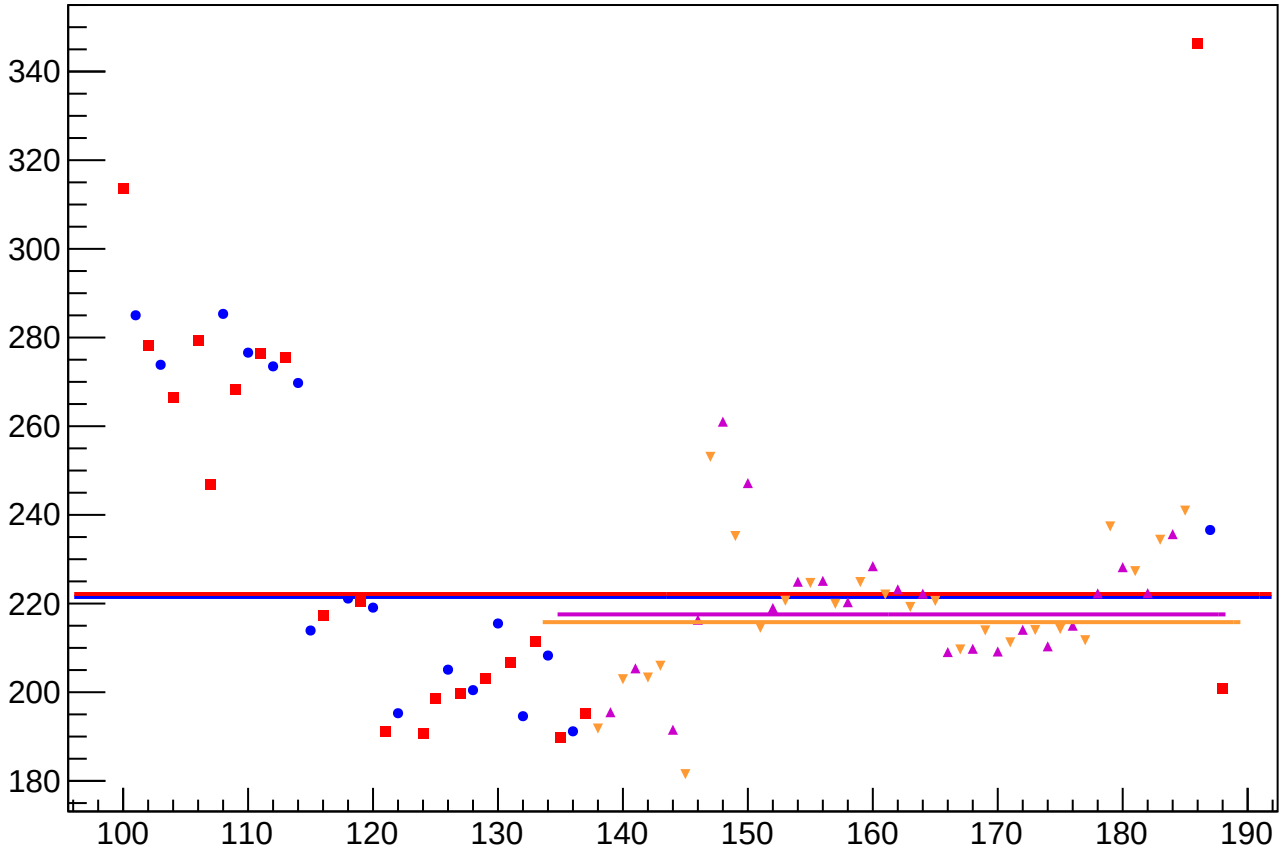
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -156.766+/-42.184 χ^2/NDF: 64.0/41

All: -16.108+/-29.866 χ^2/NDF: 144.1/85

- sign 125.255+/-42.290 χ^2/NDF: 57.8/43

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.489+/-0.058 χ^2/NDF: 320269.6/16

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

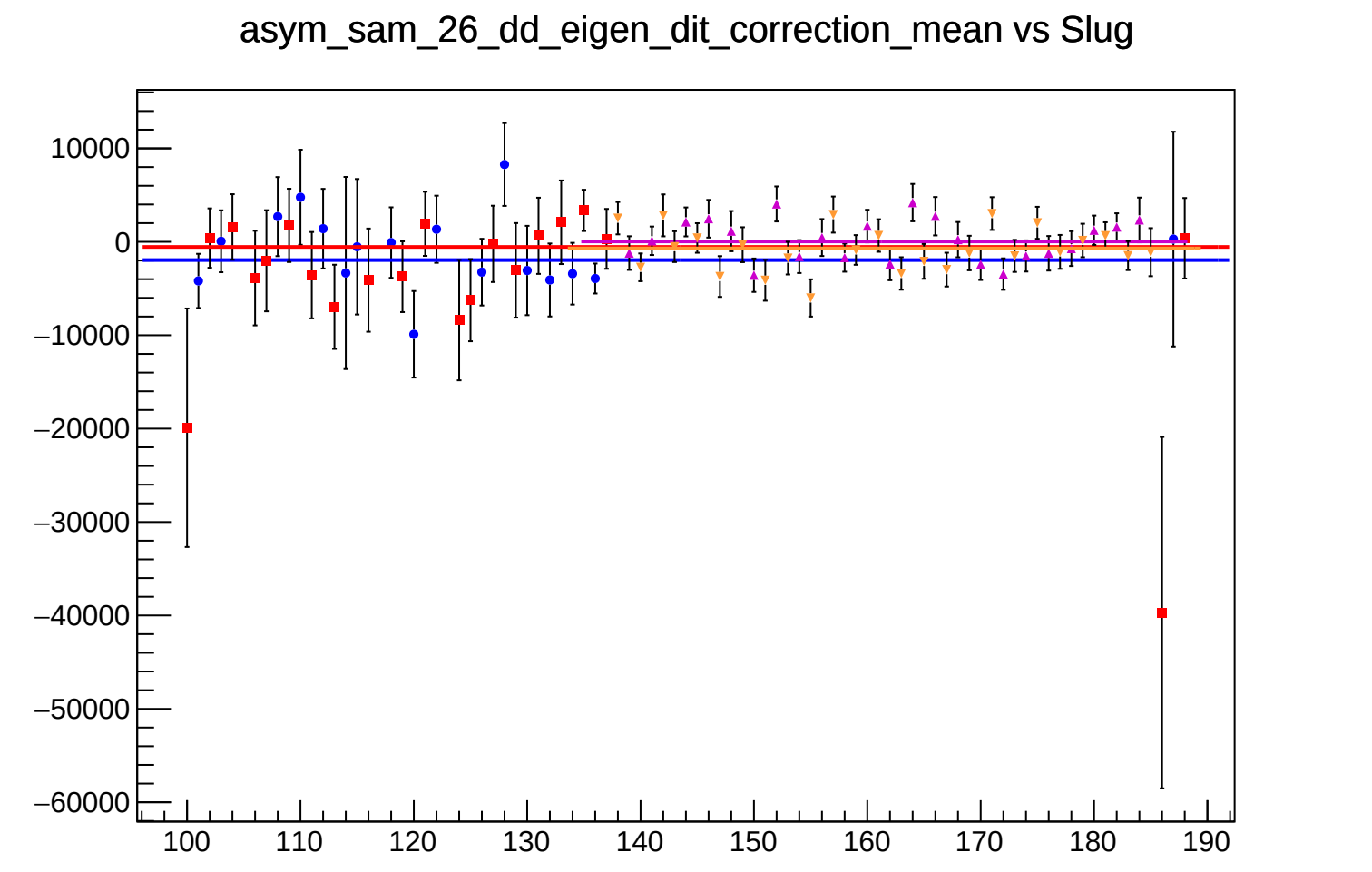
Right Out: 222.152+/-0.054 χ^2/NDF: 454416.2/20

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 217.304+/-0.030 χ^2/NDF: 516018.6/41

All: 218.143+/-0.021 χ^2/NDF: 1138154.7/85

- sign 218.985+/-0.030 χ^2/NDF: 620552.3/43



Right In: -1954.334+/-874.069 χ^2/NDF: 16.2/16

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -548.093+/-893.806 χ^2/NDF: 19.1/20

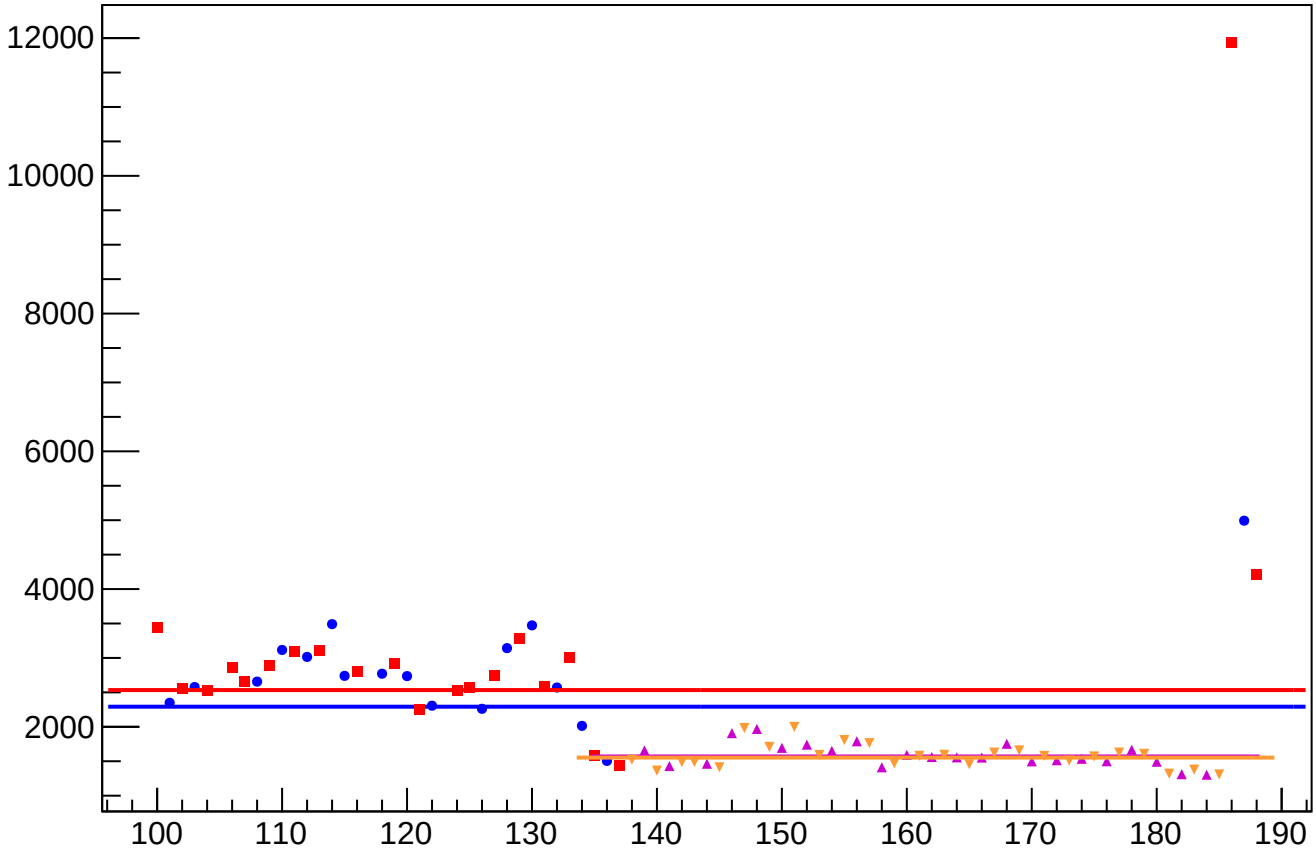
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -881.450+/-329.275 χ^2/NDF: 55.6/41

All: -478.249+/-236.861 χ^2/NDF: 112.5/85

- sign -45.881+/-340.977 χ^2/NDF: 53.8/43

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2291.846+/-0.618 χ^2/NDF: 1038091.2/16

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2533.449+/-0.632 χ^2/NDF: 1619409.6/20

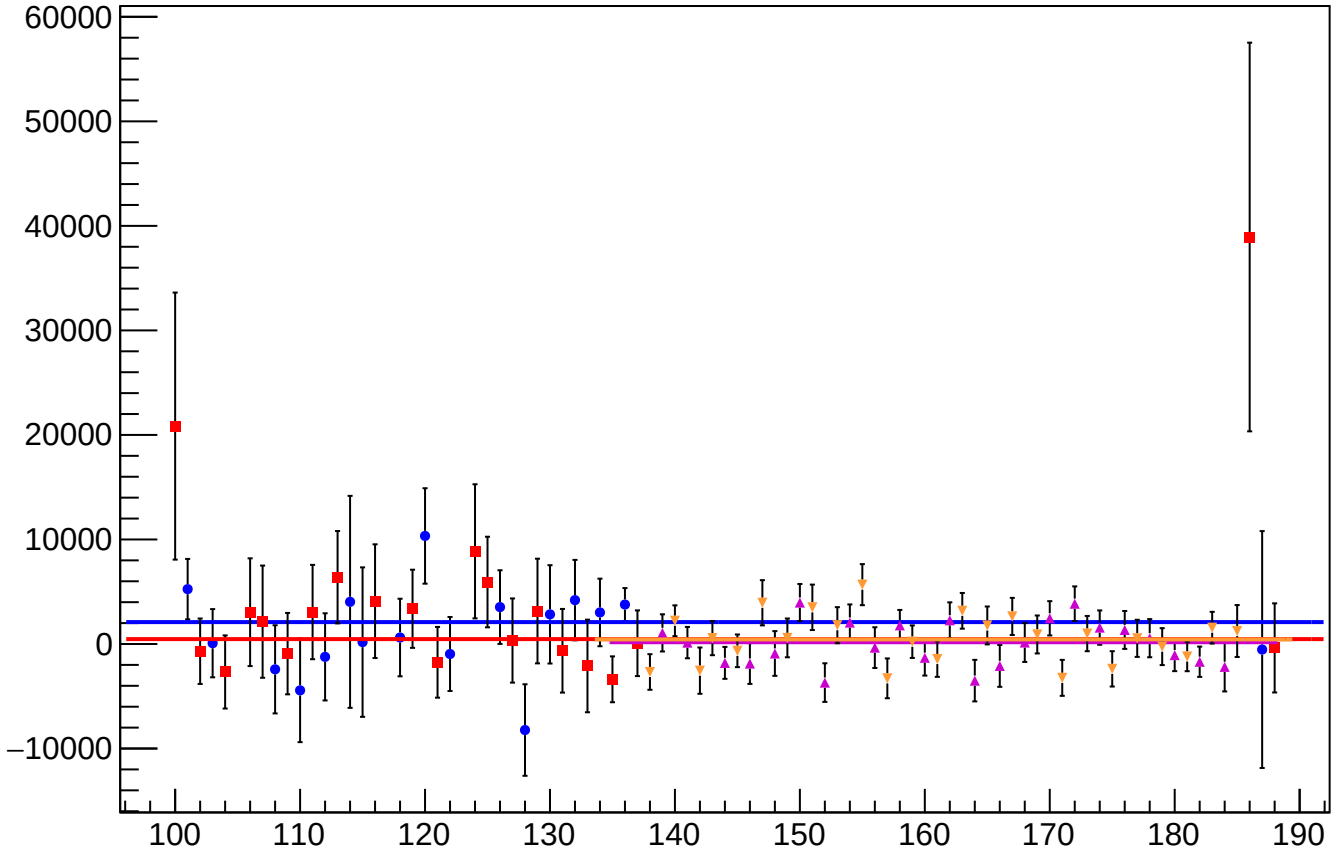
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1657.869+/-0.233 χ^2/NDF: 2674205.9/41

All: 1682.874+/-0.167 χ^2/NDF: 6663163.2/85

- sign 1709.687+/-0.241 χ^2/NDF: 3965056.7/43

asym_sam_26_dd_mean vs Slug



Right In: 2094.296+/-860.797 χ^2/NDF: 16.7/16

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 467.213+/-883.717 χ^2/NDF: 19.0/20

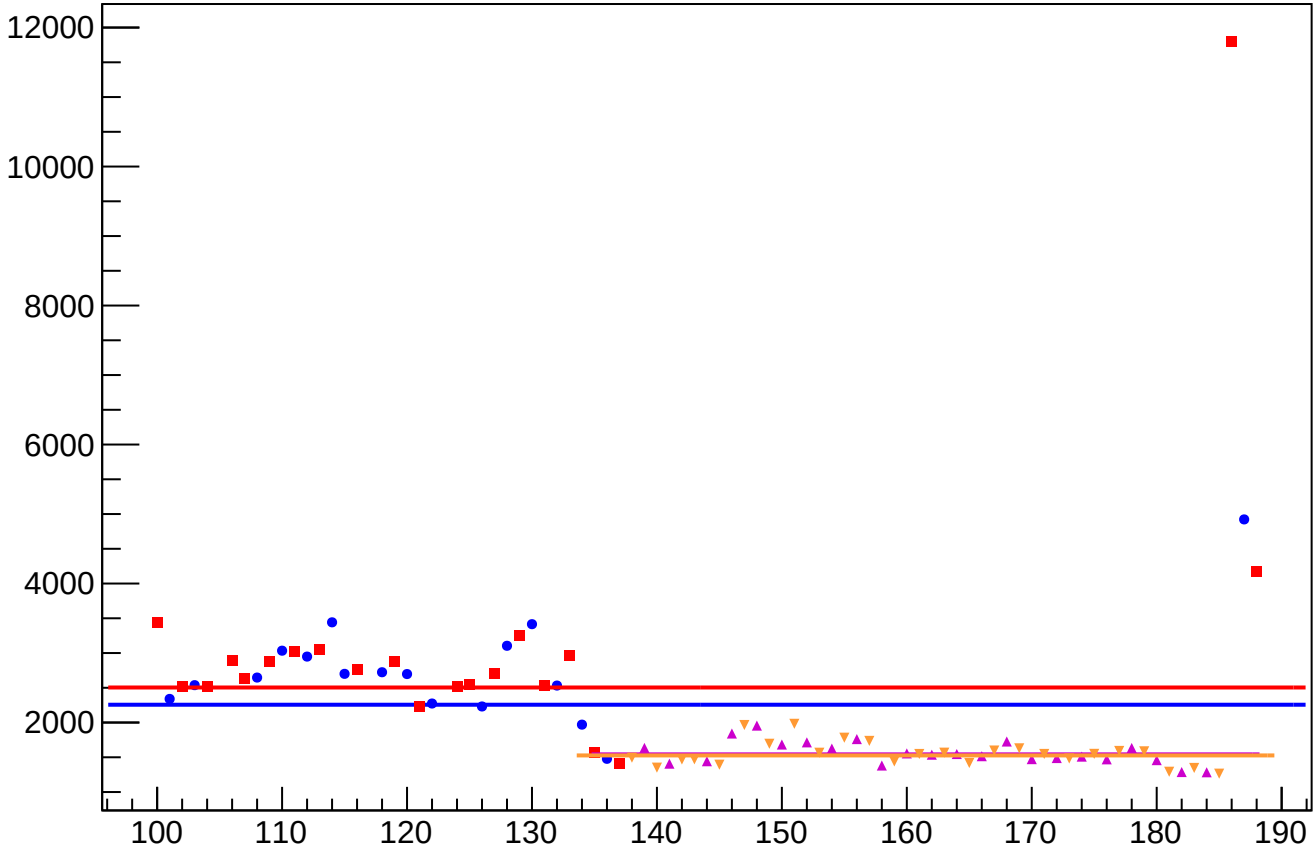
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 672.085+/-323.891 χ^2/NDF: 58.7/41

All: 450.408+/-232.995 χ^2/NDF: 111.8/85

- sign 212.669+/-335.420 χ^2/NDF: 52.1/43

asym_sam_26_dd_rms vs Slug



Right In: 2256.101+/-0.609 χ^2/NDF: 1044975.4/16

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2504.163+/-0.625 χ^2/NDF: 1617667.7/20

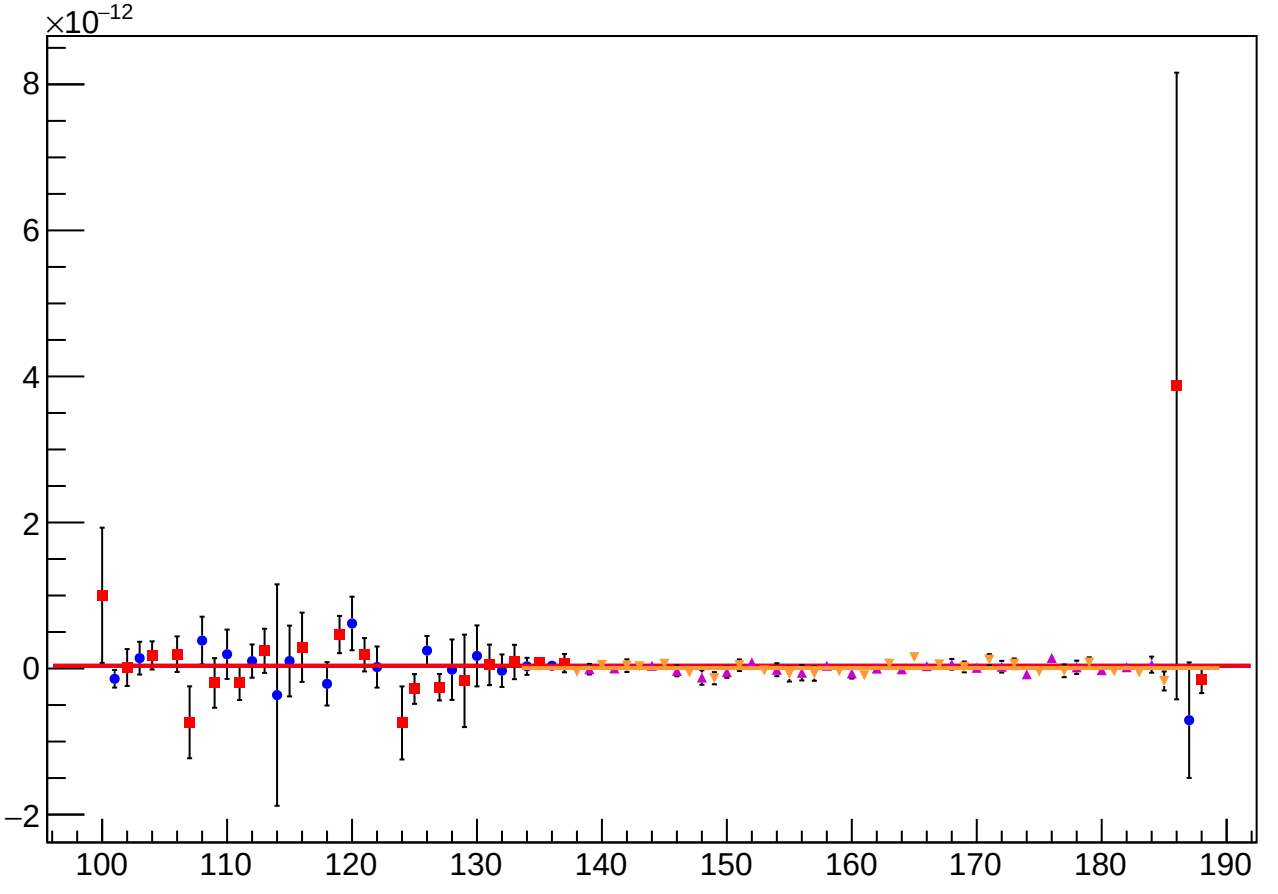
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1629.989+/-0.229 χ^2/NDF: 2707070.5/41

All: 1654.524+/-0.165 χ^2/NDF: 6738989.1/85

- sign 1680.836+/-0.237 χ^2/NDF: 4008135.1/43

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

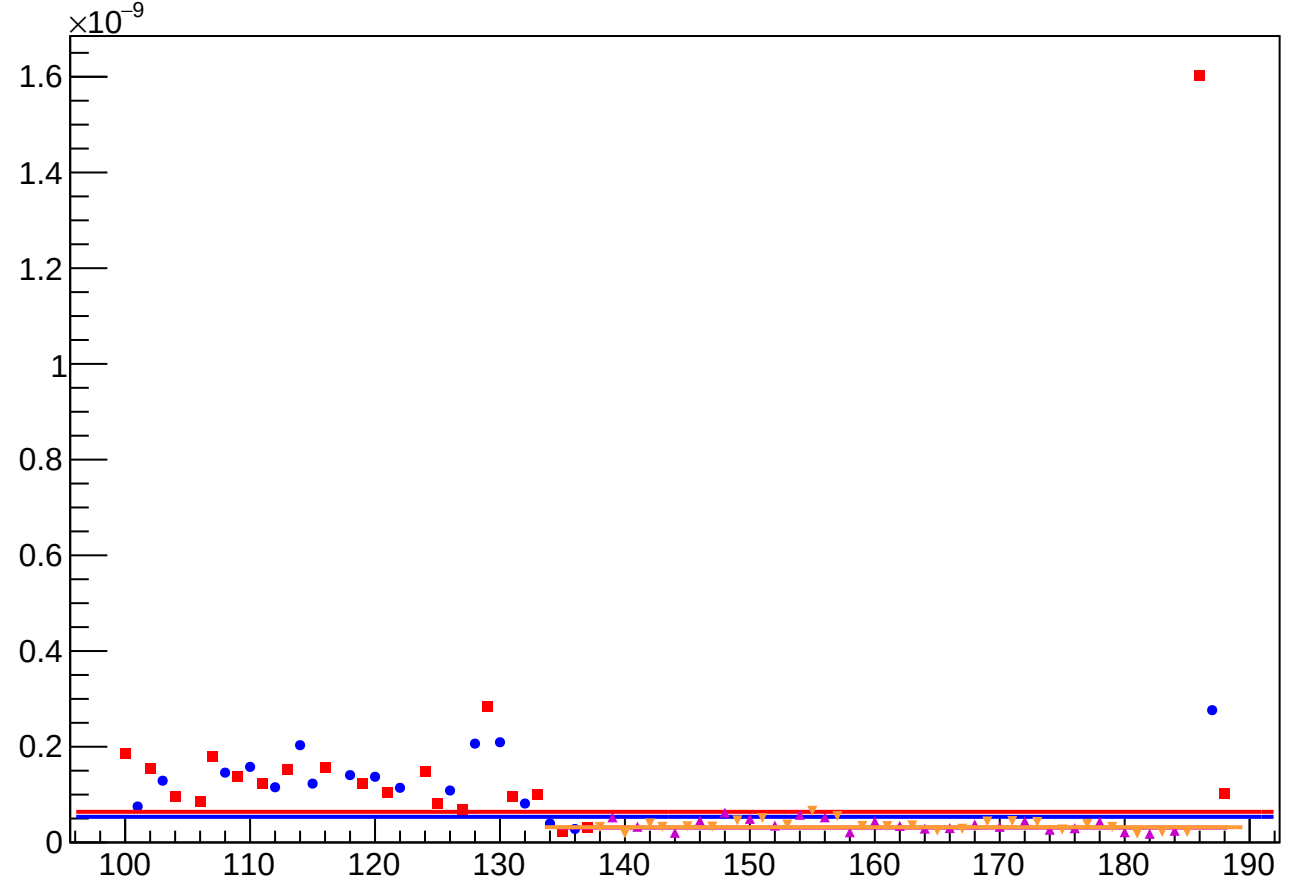
Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/20

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.7/41

All: 0.000+/-0.000 χ^2/NDF: 78.3/85

- sign 0.000+/-0.000 χ^2/NDF: 37.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 2735683.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2761002.1/20

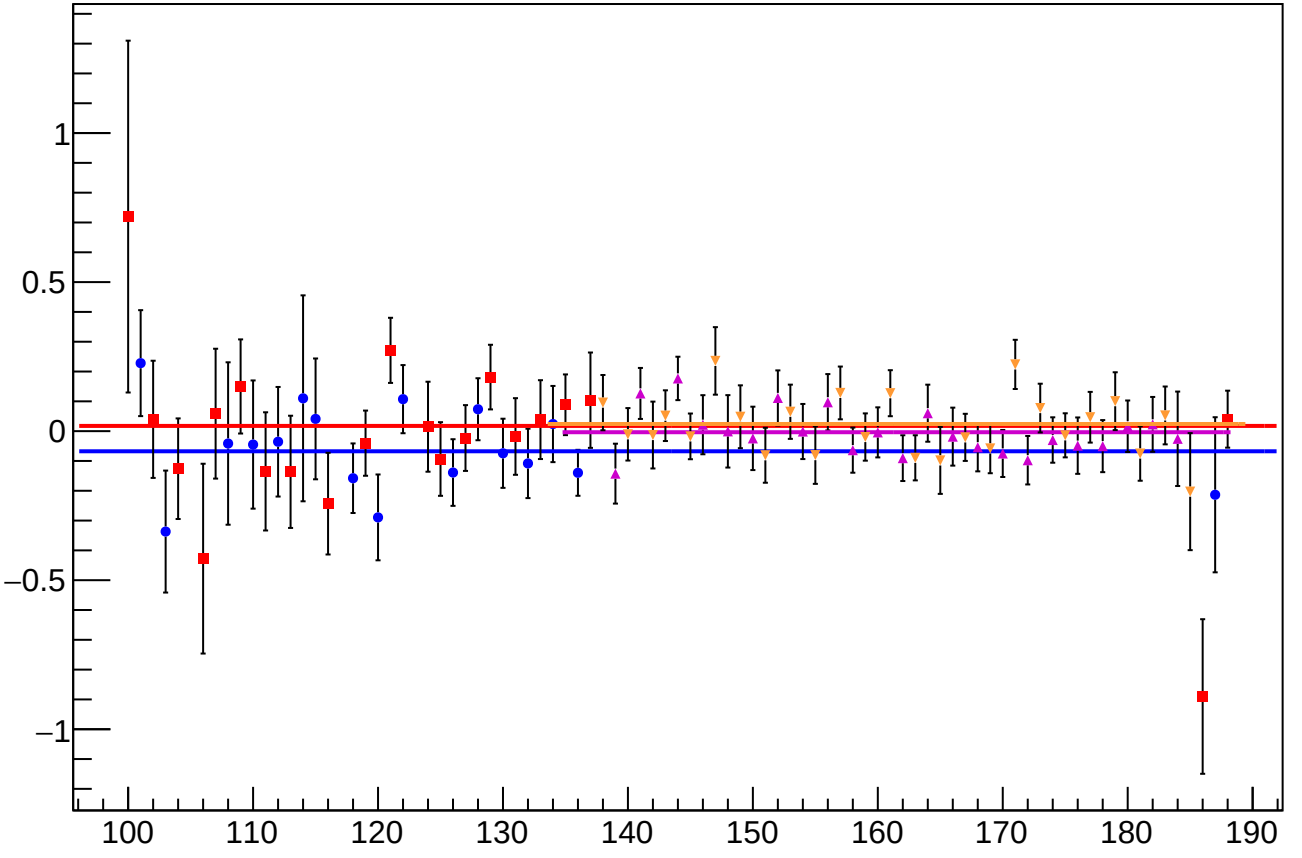
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4609388.6/41

All: 0.000+/-0.000 χ^2/NDF: 10084514.7/85

- sign 0.000+/-0.000 χ^2/NDF: 5474468.1/43

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

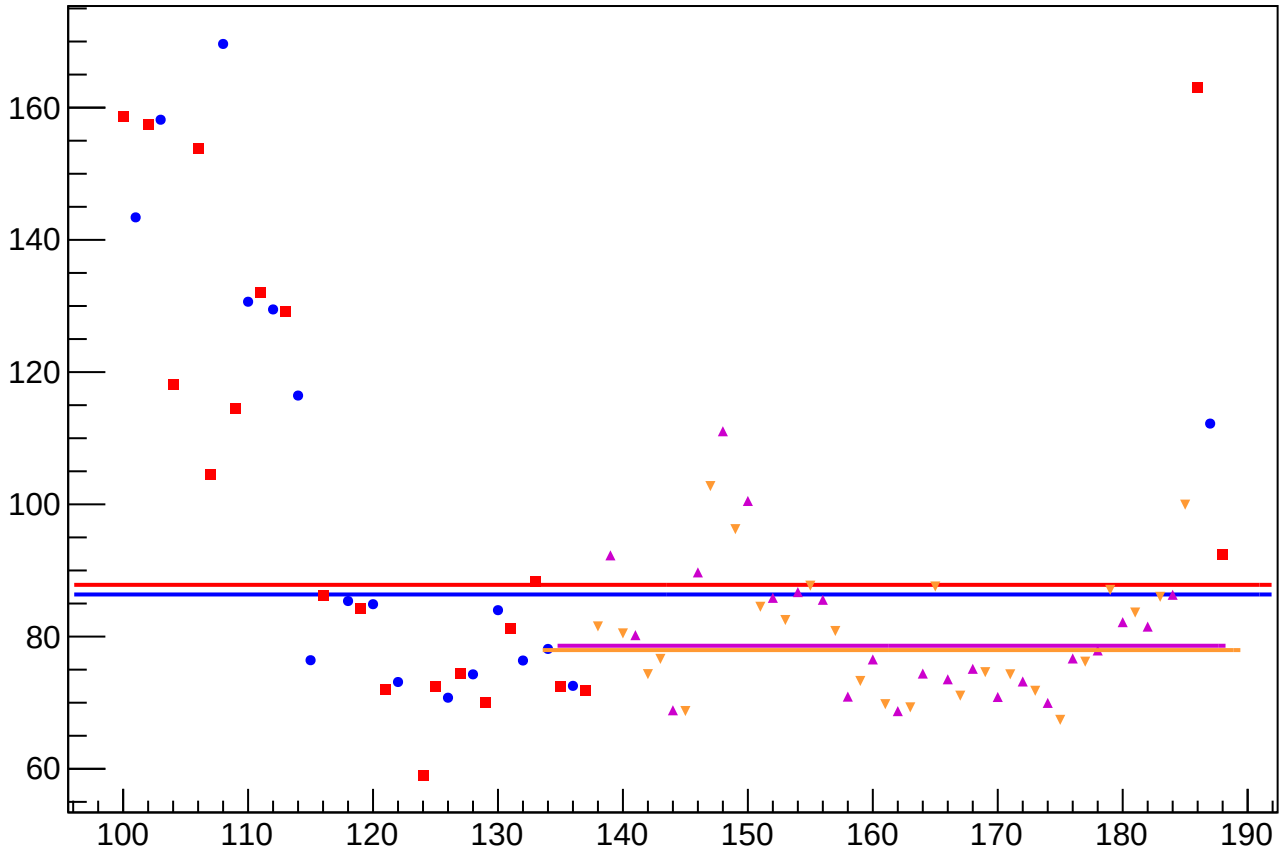
Right Out: 0.018+/-0.031 χ^2/NDF: 30.5/20

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.003+/-0.016 χ^2/NDF: 46.0/41

All: 0.003+/-0.011 χ^2/NDF: 95.7/85

- sign 0.002+/-0.016 χ^2/NDF: 49.7/43



Right In: 86.369+/-0.023 χ^2/NDF: 1055064.5/16

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

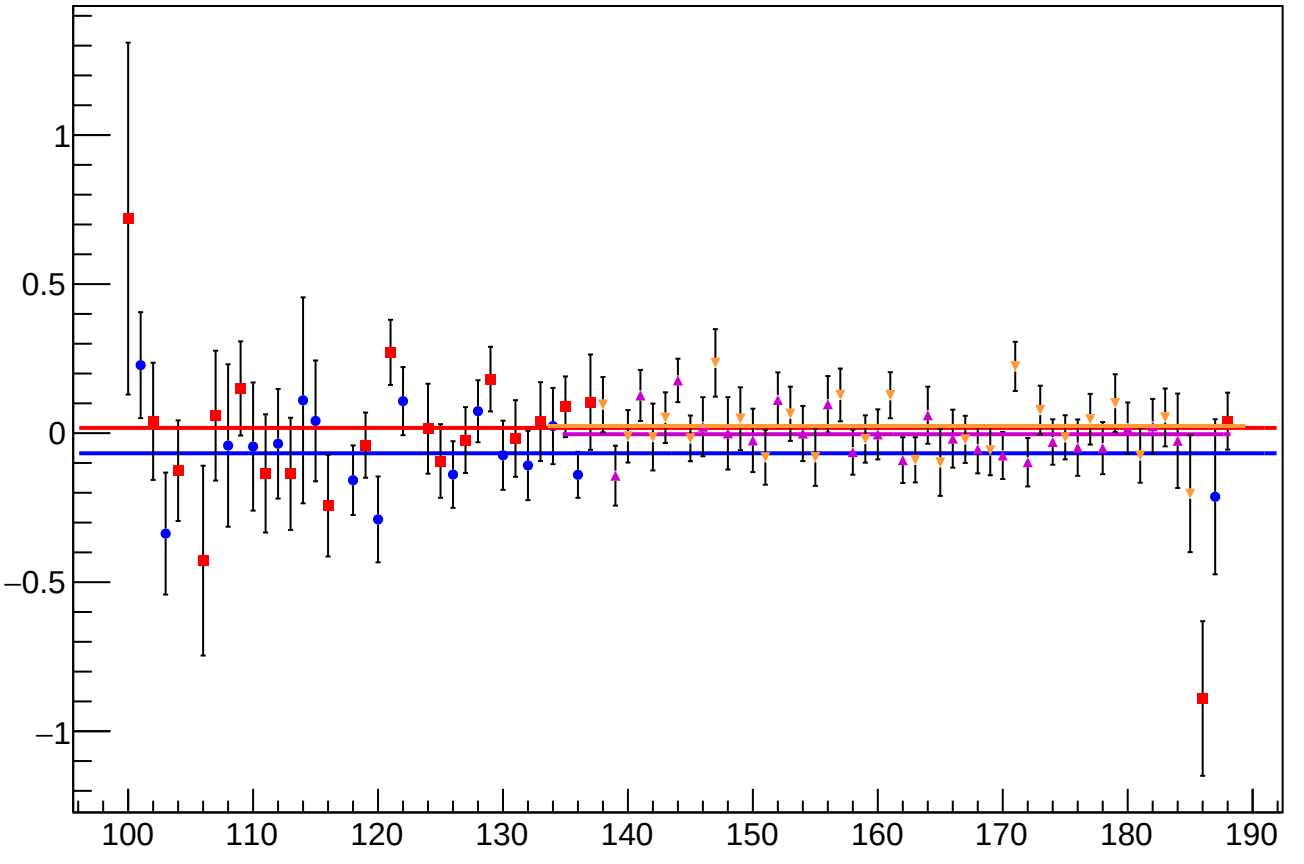
Right Out: 87.825+/-0.022 χ^2/NDF: 1169508.8/20

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 79.859+/-0.011 χ^2/NDF: 1595113.4/41

All: 80.448+/-0.008 χ^2/NDF: 3398448.4/85

- sign 81.053+/-0.011 χ^2/NDF: 1797630.6/43



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

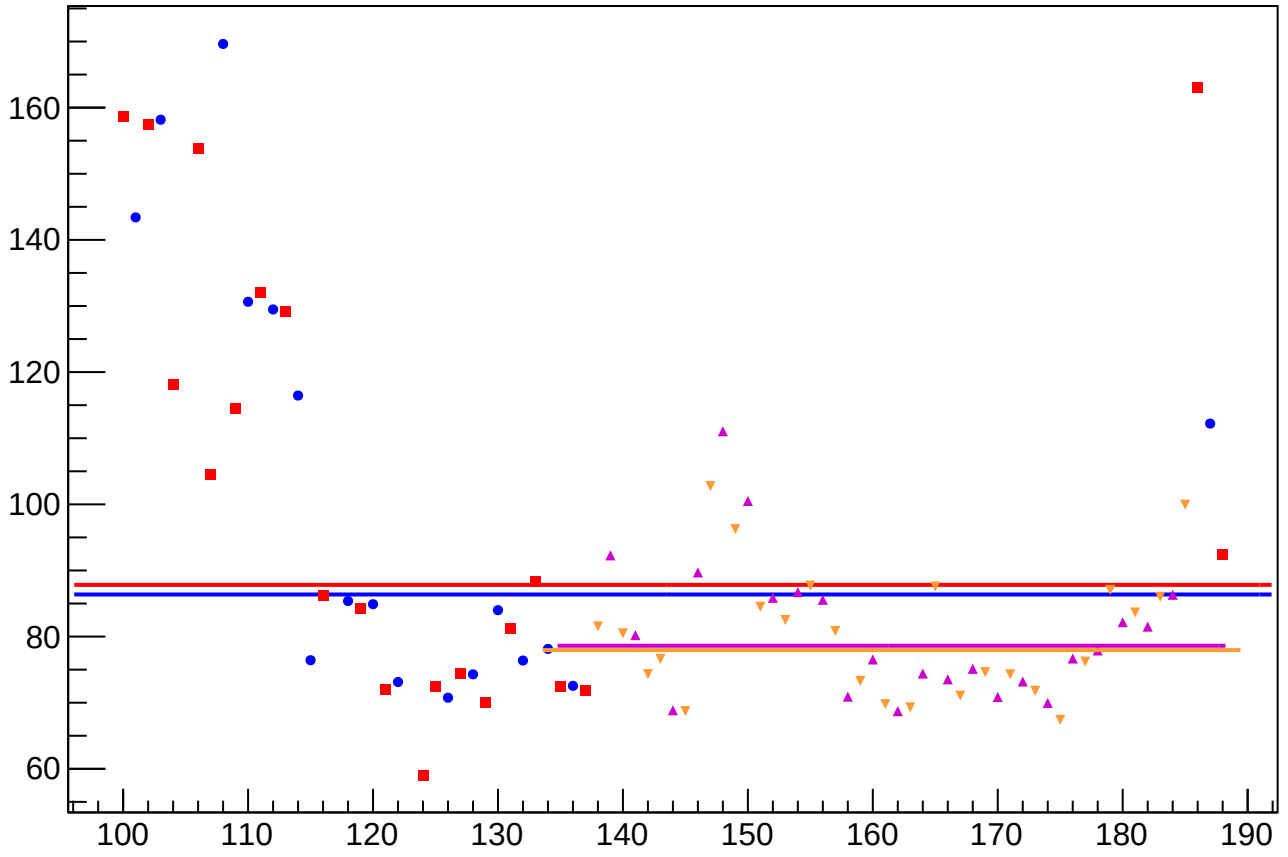
Right Out: 0.018+/-0.031 χ^2/NDF: 30.5/20

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.003+/-0.016 χ^2/NDF: 46.0/41

All: 0.003+/-0.011 χ^2/NDF: 95.7/85

- sign 0.002+/-0.016 χ^2/NDF: 49.7/43



Right In: 86.369+/-0.023 χ^2/NDF: 1055064.5/16

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

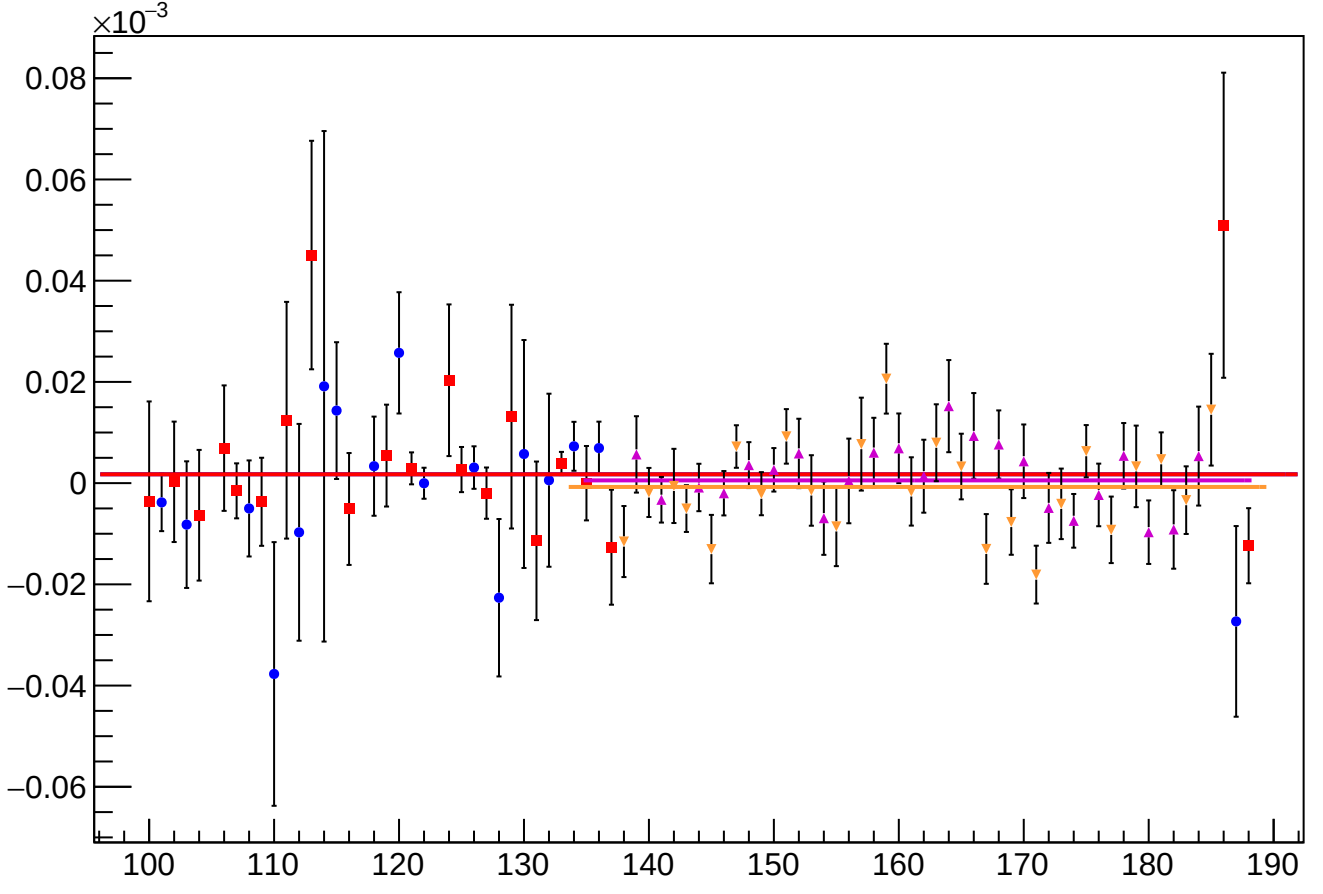
Right Out: 87.825+/-0.022 χ^2/NDF: 1169508.8/20

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 79.859+/-0.011 χ^2/NDF: 1595113.4/41

All: 80.448+/-0.008 χ^2/NDF: 3398448.4/85

- sign 81.053+/-0.011 χ^2/NDF: 1797630.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/20

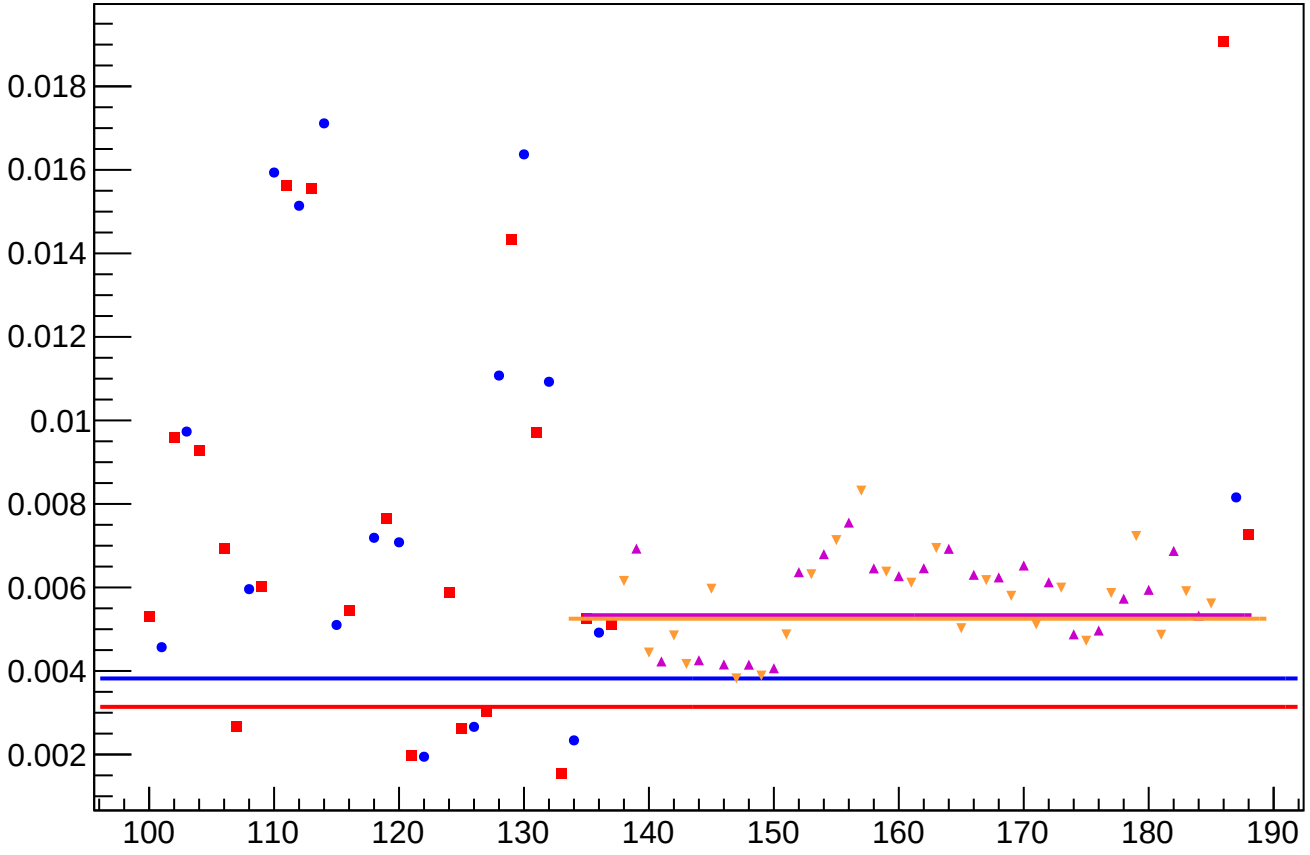
Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.3/41

All: 0.000+/-0.000 χ^2/NDF: 103.7/85

- sign 0.000+/-0.000 χ^2/NDF: 36.9/43

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 4801178.0/16

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

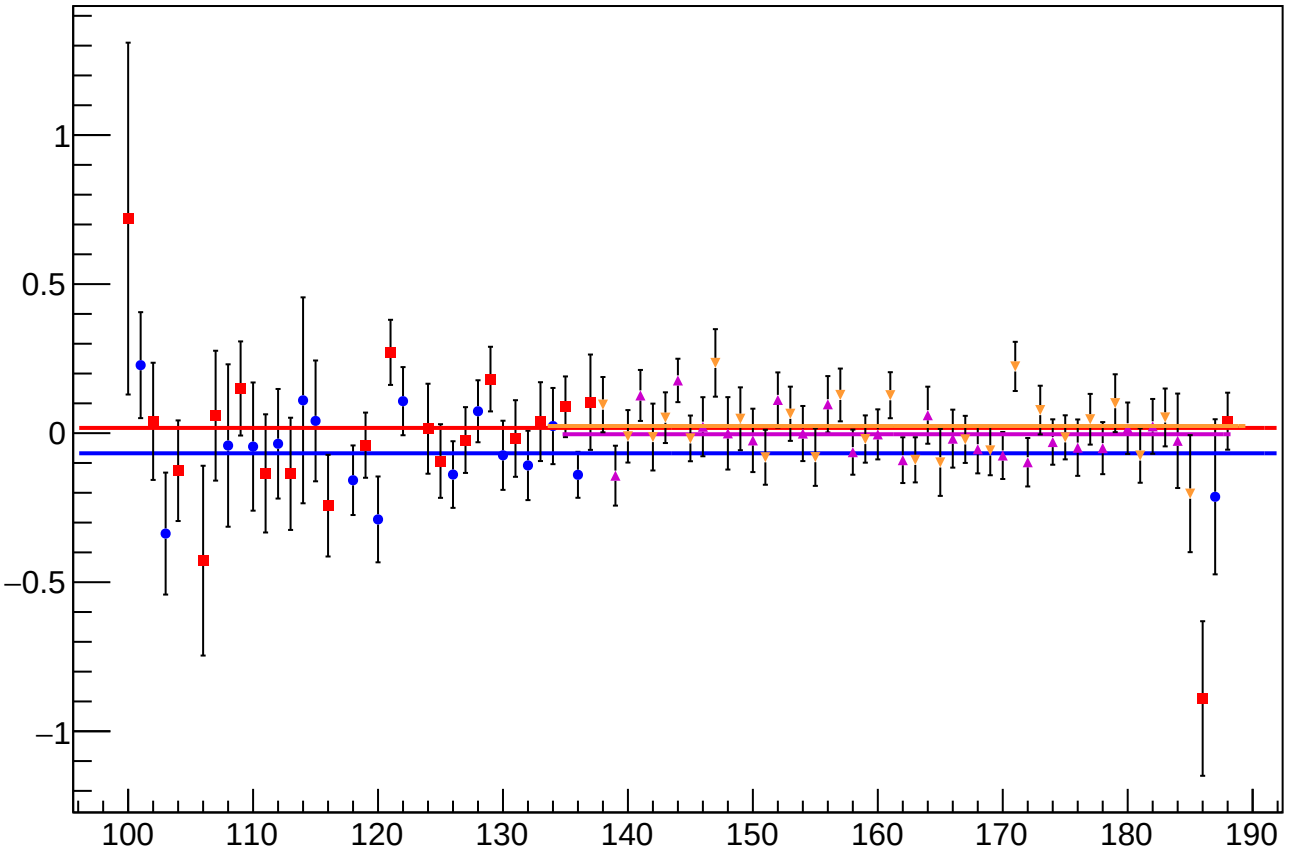
Right Out: 0.003+/-0.000 χ^2/NDF: 6756987.2/20

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7218728.6/41

All: 0.005+/-0.000 χ^2/NDF: 18433396.6/85

- sign 0.004+/-0.000 χ^2/NDF: 10988231.0/43



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

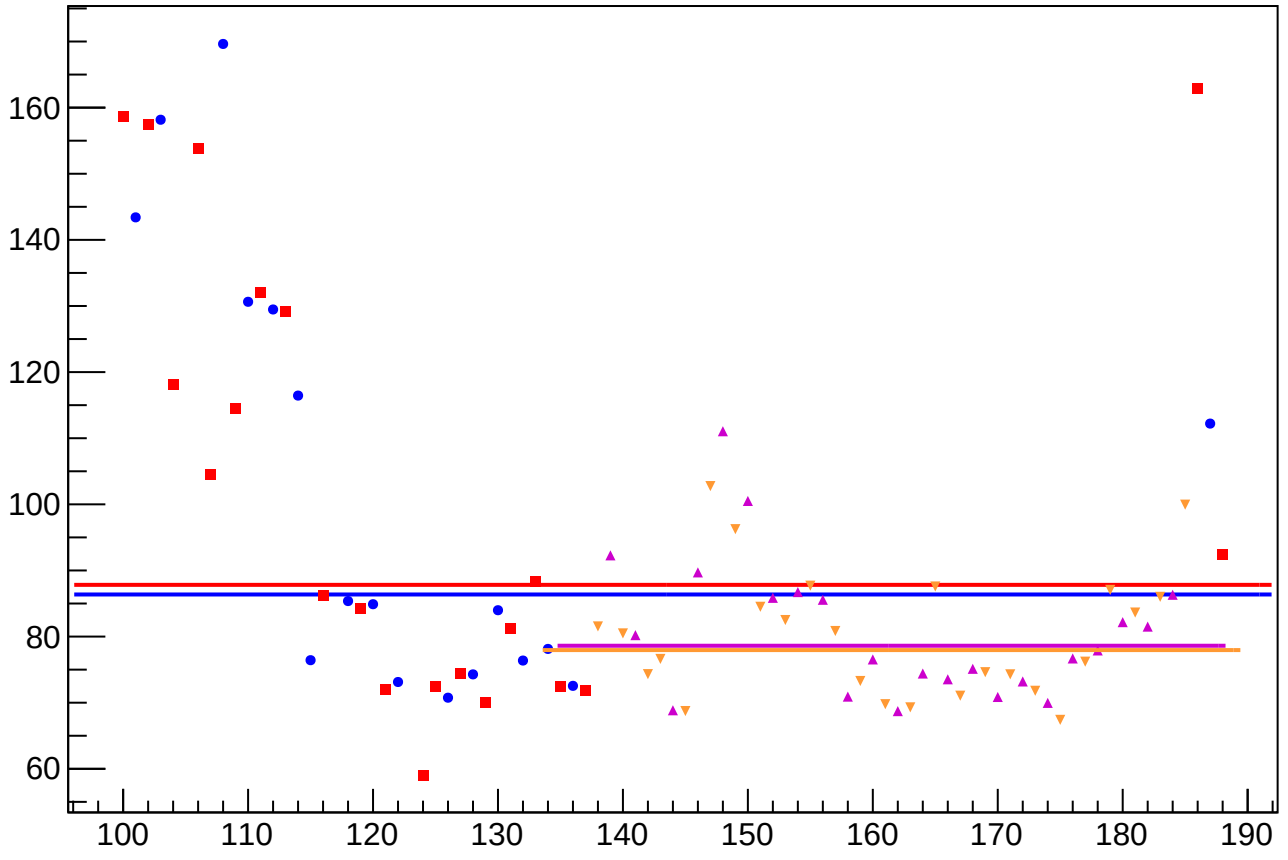
Right Out: 0.018+/-0.031 χ^2/NDF: 30.5/20

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.003+/-0.016 χ^2/NDF: 46.0/41

All: 0.003+/-0.011 χ^2/NDF: 95.7/85

- sign 0.002+/-0.016 χ^2/NDF: 49.7/43



Right In: 86.367+/-0.023 χ^2/NDF: 1055048.8/16

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

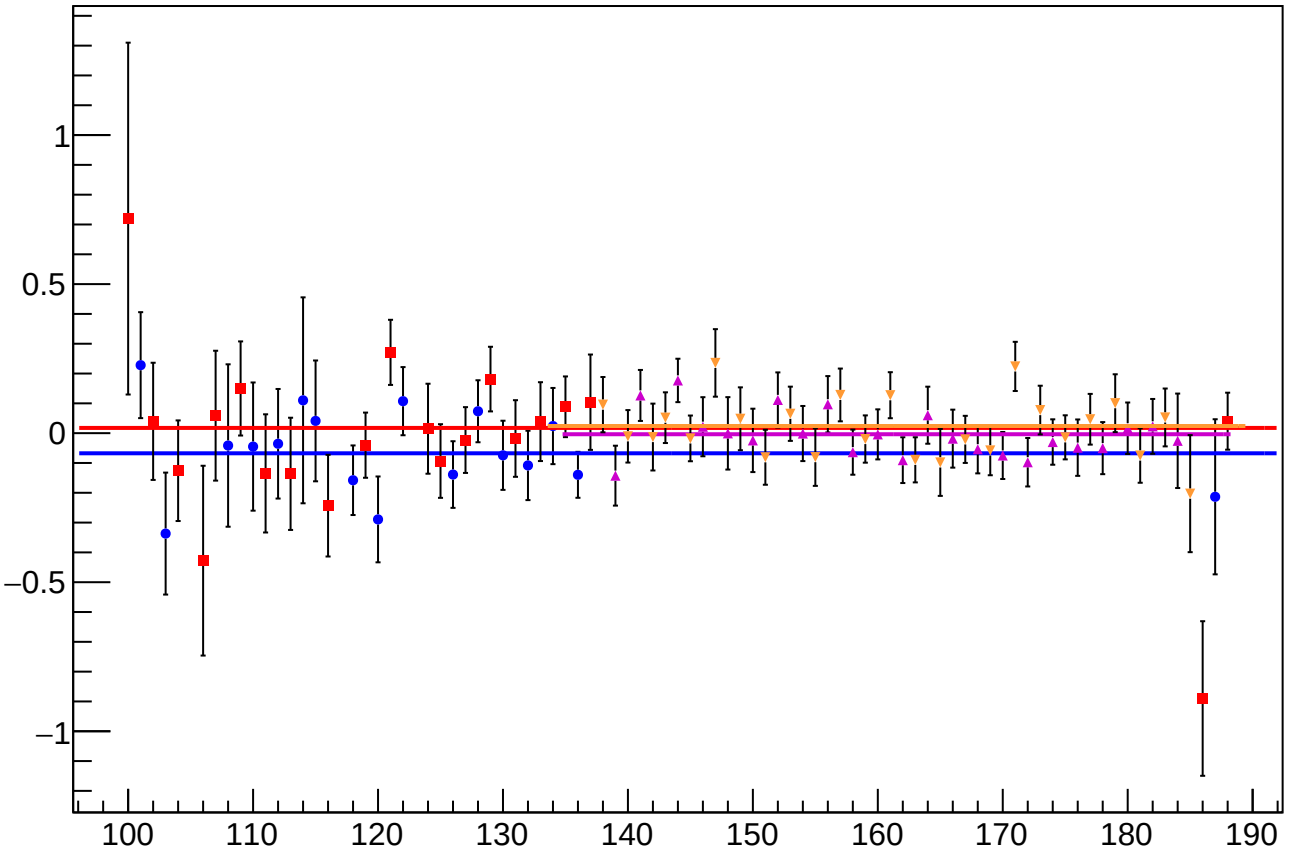
Right Out: 87.823+/-0.022 χ^2/NDF: 1169480.6/20

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 79.858+/-0.011 χ^2/NDF: 1595093.9/41

All: 80.447+/-0.008 χ^2/NDF: 3398403.1/85

- sign 81.052+/-0.011 χ^2/NDF: 1797606.5/43



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

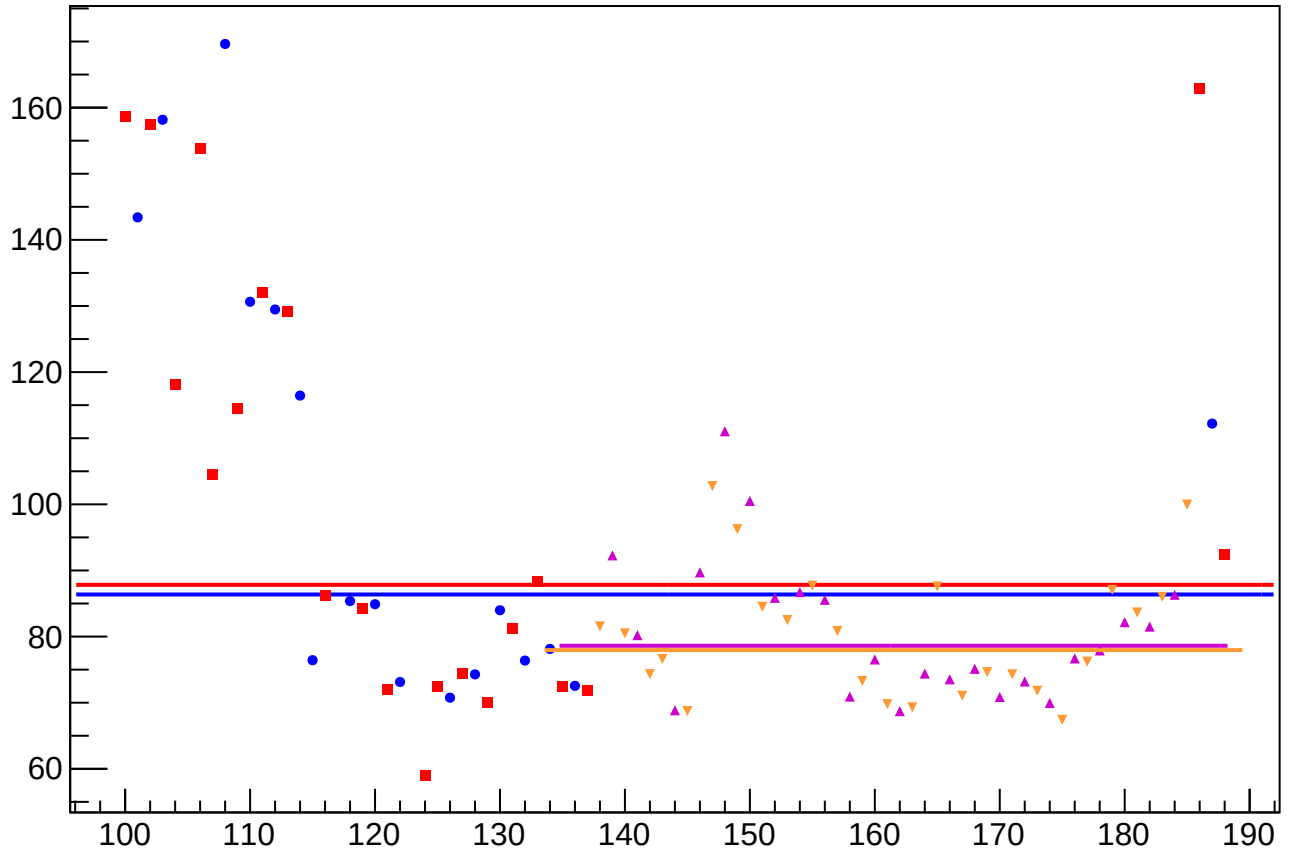
Right Out: 0.018+/-0.031 χ^2/NDF: 30.5/20

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.003+/-0.016 χ^2/NDF: 46.0/41

All: 0.003+/-0.011 χ^2/NDF: 95.7/85

- sign 0.002+/-0.016 χ^2/NDF: 49.7/43



Right In: 86.367+/-0.023 χ^2/NDF: 1055048.8/16

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

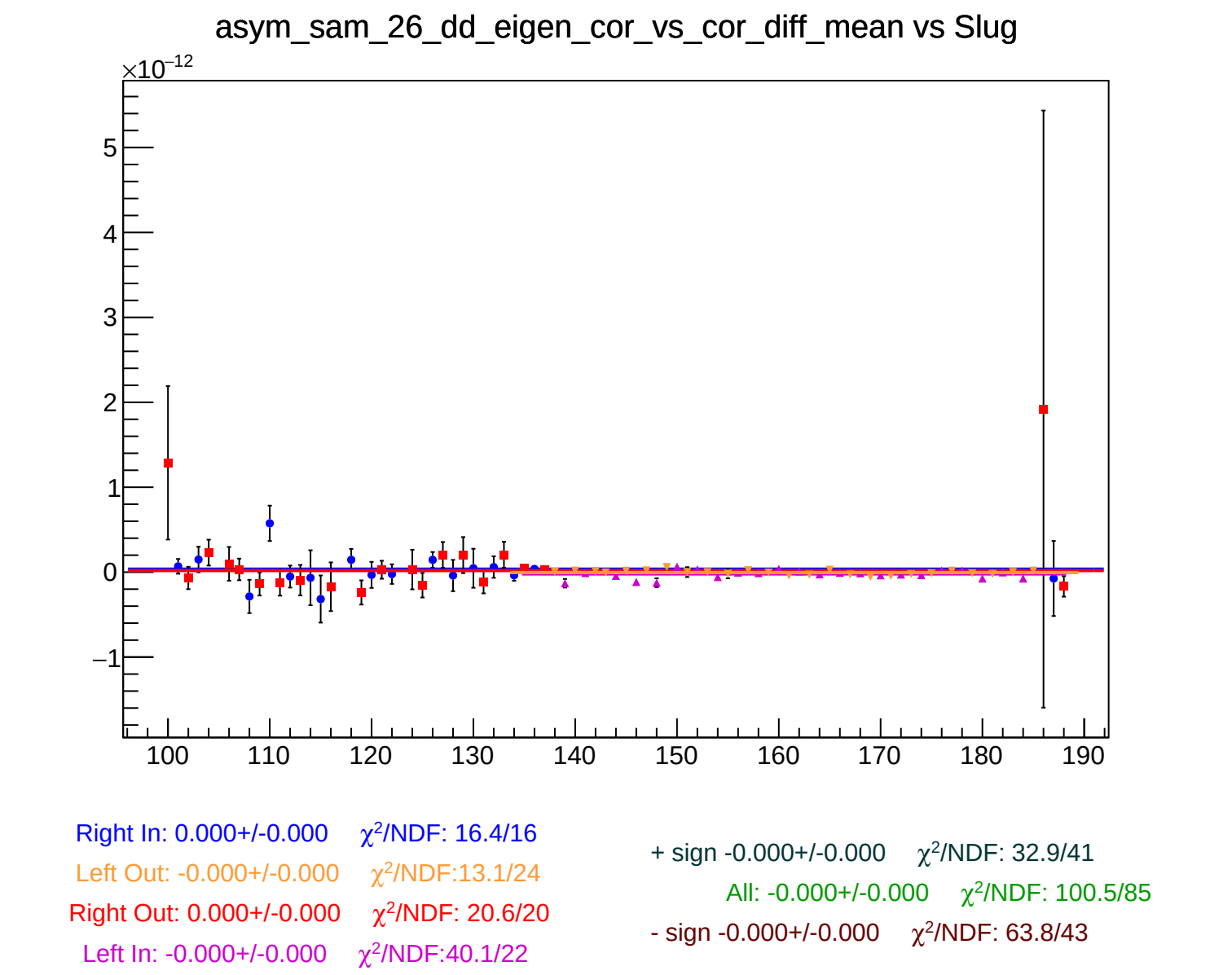
Right Out: 87.823+/-0.022 χ^2/NDF: 1169480.6/20

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 79.858+/-0.011 χ^2/NDF: 1595093.9/41

All: 80.447+/-0.008 χ^2/NDF: 3398403.1/85

- sign 81.052+/-0.011 χ^2/NDF: 1797606.5/43


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
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1
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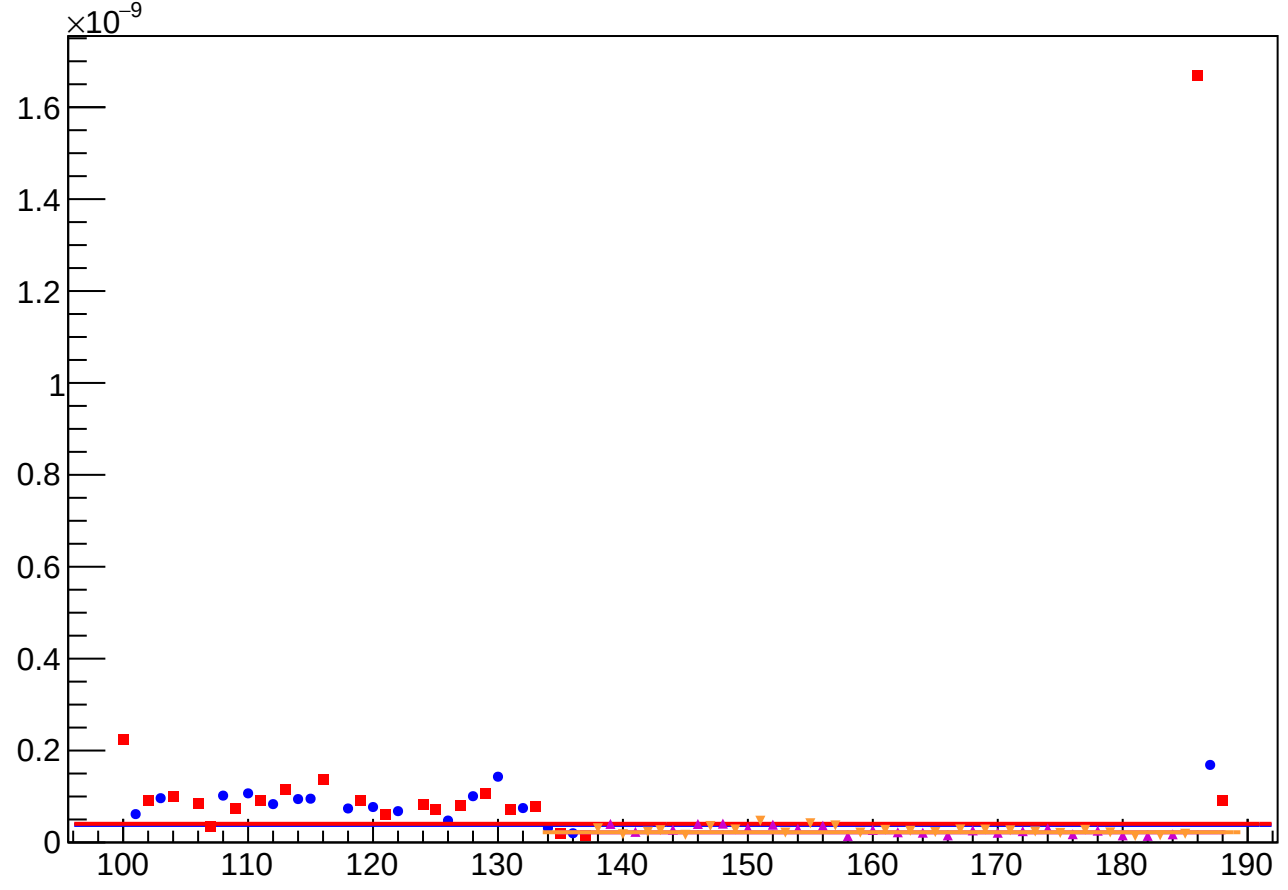
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.4/16
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.6/20
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 32.9/41
All: -0.000+/-0.000 χ²/NDF: 100.5/85
- sign -0.000+/-0.000 χ²/NDF: 63.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 3631901.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4924680.1/20

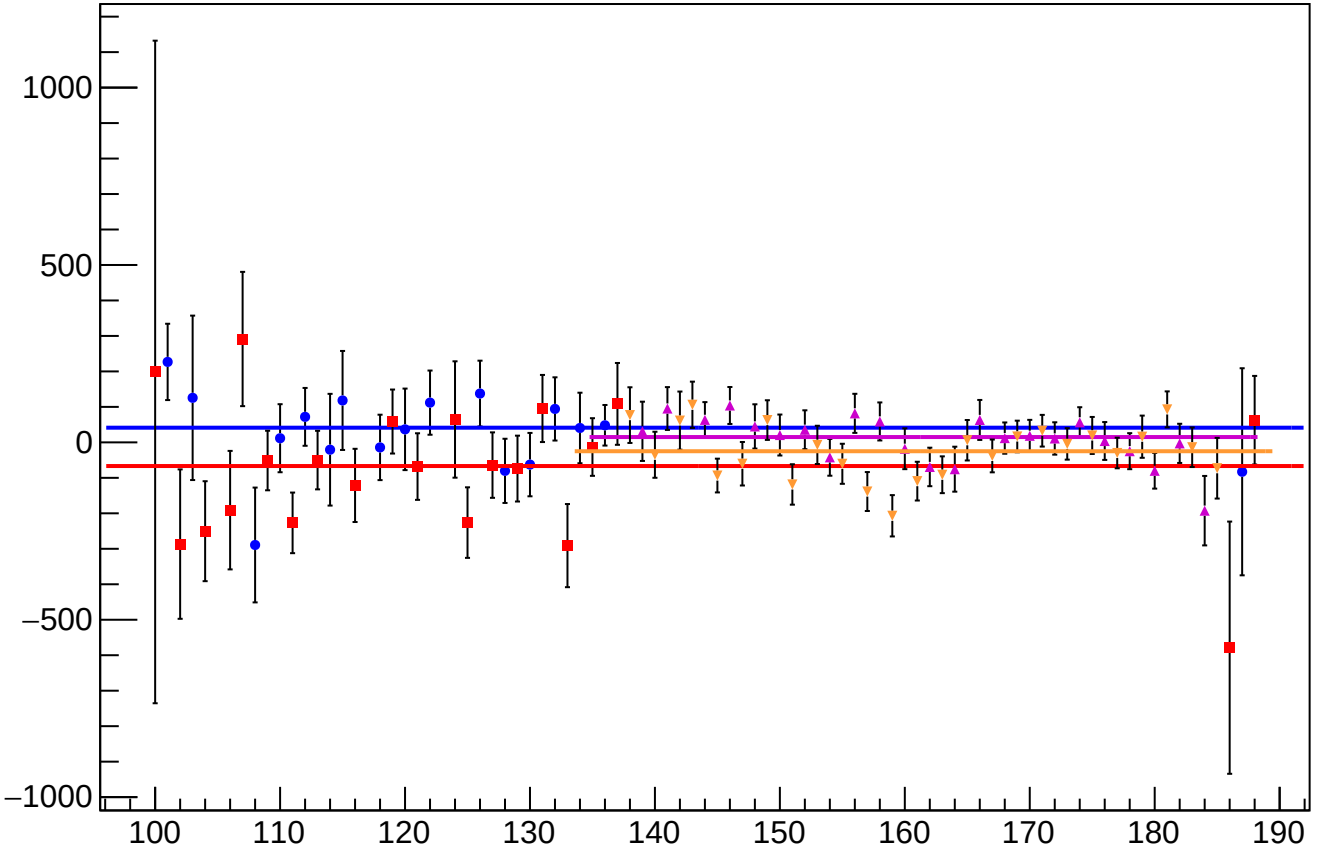
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7027786.6/41

All: 0.000+/-0.000 χ^2/NDF: 16089767.0/85

- sign 0.000+/-0.000 χ^2/NDF: 9061870.4/43

reg_asym_sam_37_dd_mean vs Slug



Right In: 41.365+/-24.124 χ^2/NDF: 13.7/16

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -66.723+/-23.910 χ^2/NDF: 28.5/20

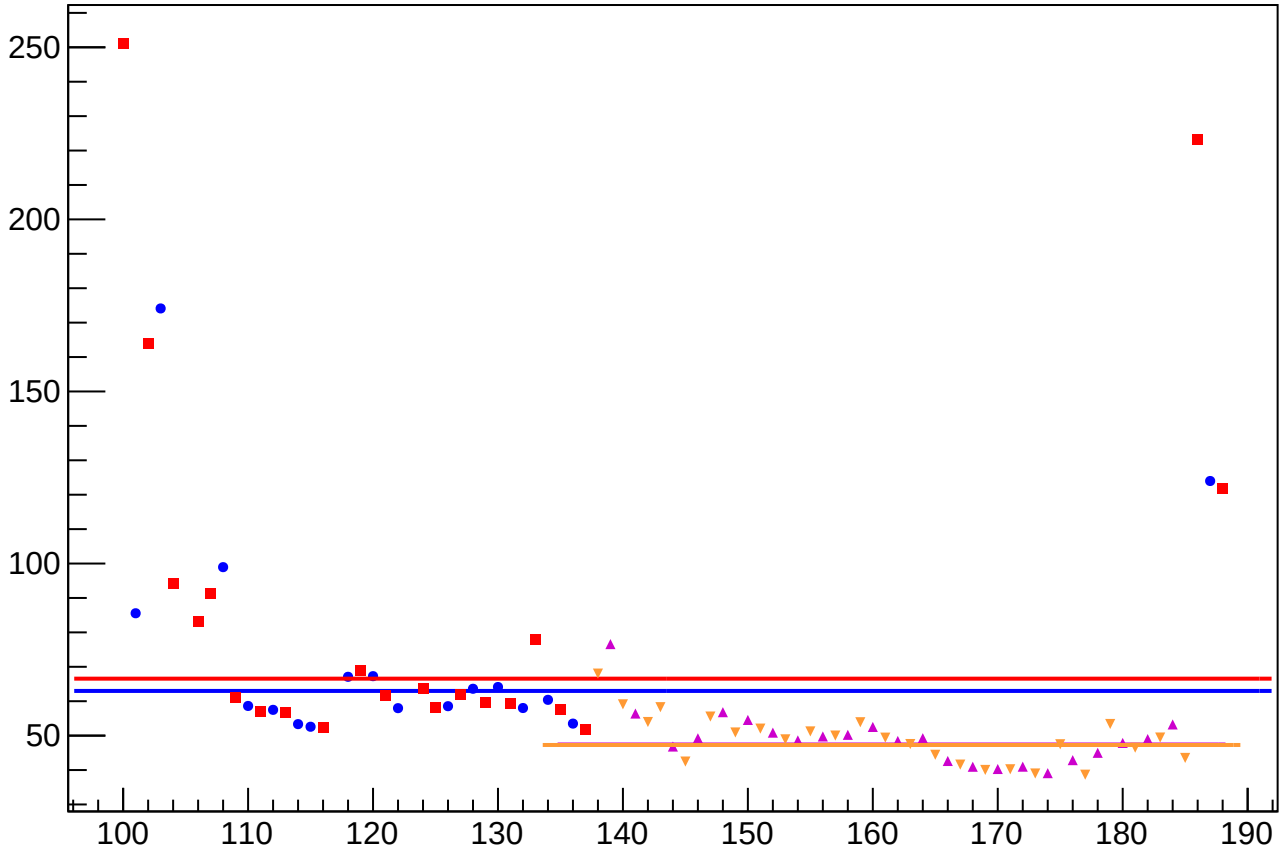
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.760+/-9.924 χ^2/NDF: 63.1/41

All: -6.916+/-7.098 χ^2/NDF: 126.9/85

- sign 0.251+/-10.156 χ^2/NDF: 62.8/43

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.985+/-0.017 χ^2/NDF: 846583.0/16

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

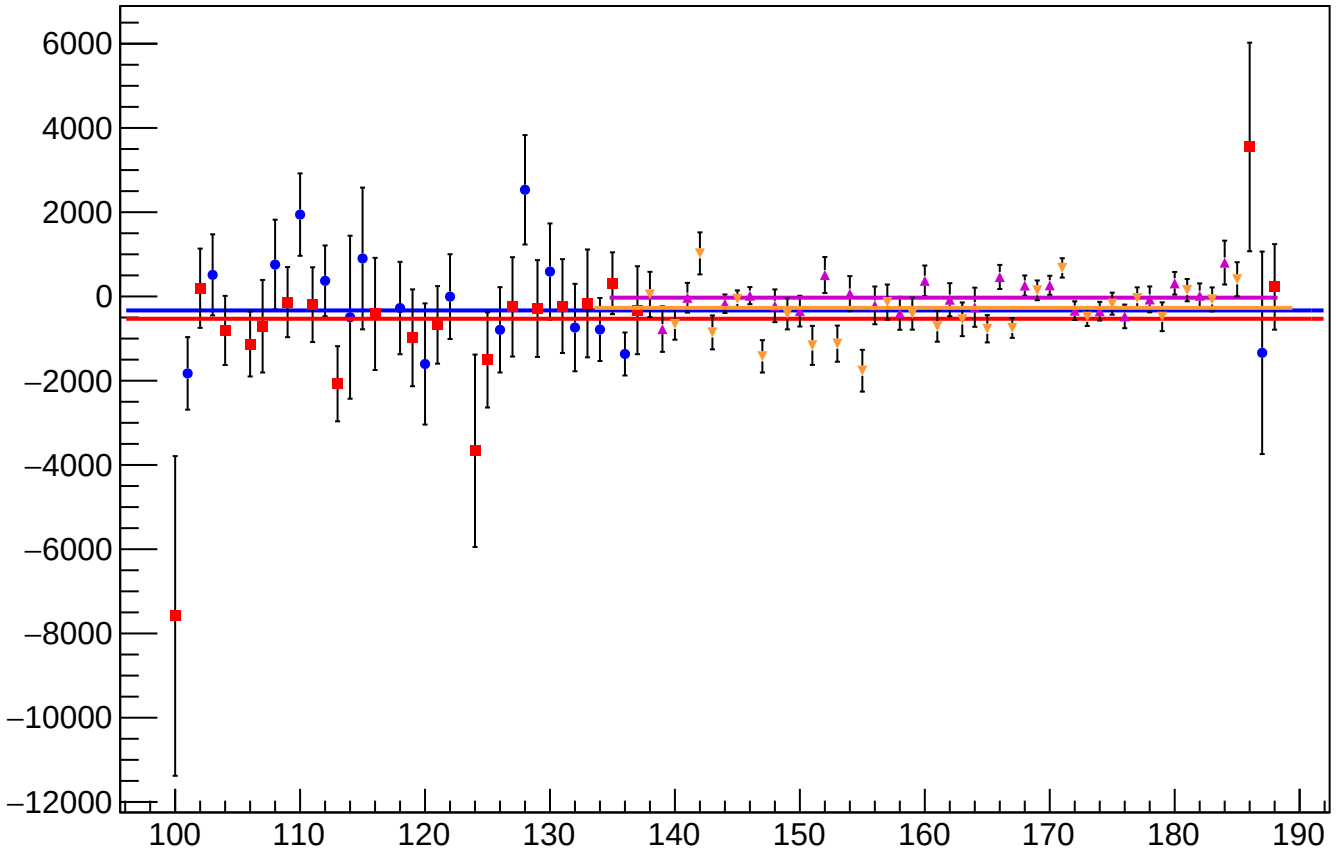
Right Out: 66.553+/-0.017 χ^2/NDF: 1642146.6/20

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 49.941+/-0.007 χ^2/NDF: 2267719.9/41

All: 50.397+/-0.005 χ^2/NDF: 5623357.5/85

- sign 50.876+/-0.007 χ^2/NDF: 3346958.9/43



Right In: -331.568+/-237.317 χ^2/NDF: 22.9/16

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -529.483+/-226.734 χ^2/NDF: 15.9/20

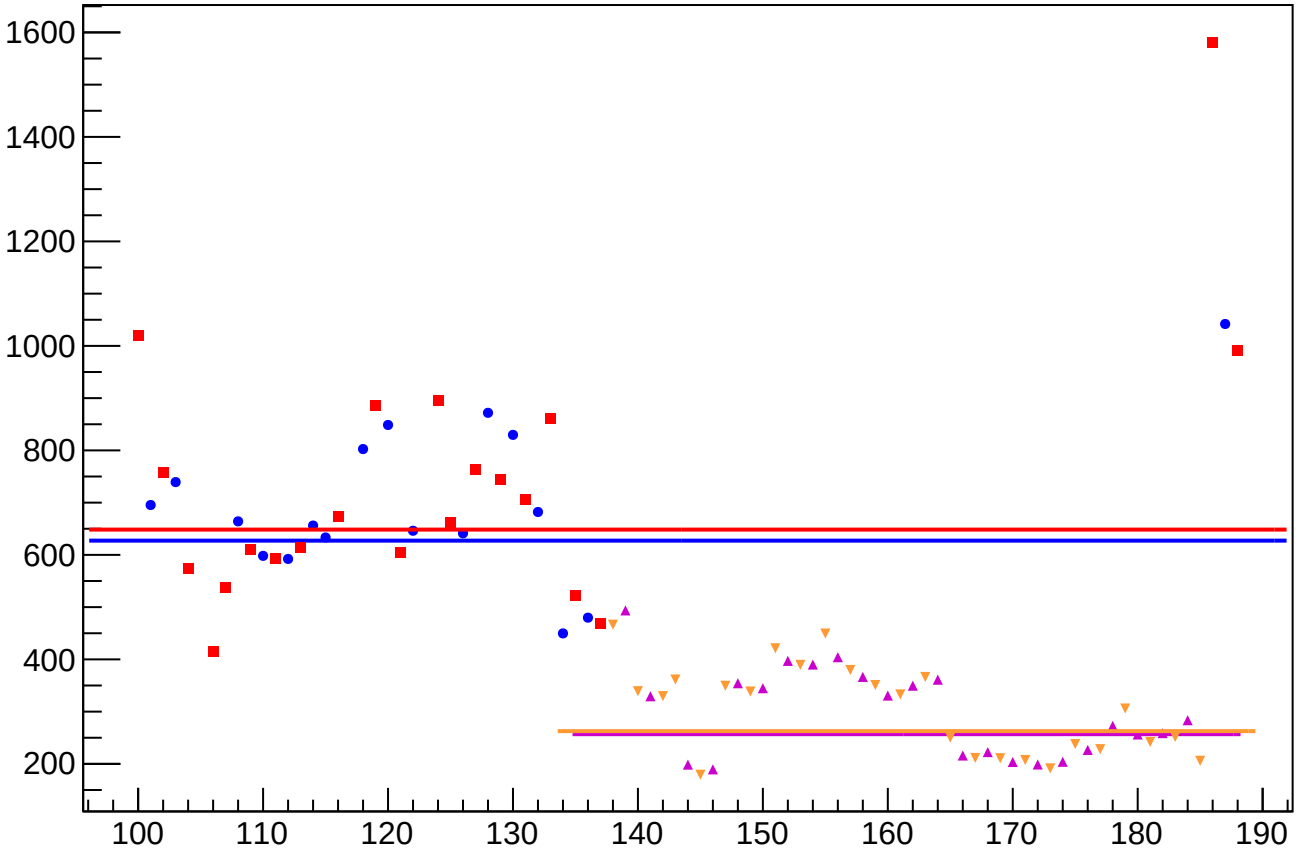
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -274.940+/-60.300 χ^2/NDF: 96.8/41

All: -170.009+/-42.676 χ^2/NDF: 147.7/85

- sign -64.709+/-60.406 χ^2/NDF: 44.8/43

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 627.263+/-0.168 χ^2/NDF: 625638.1/16

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 648.410+/-0.160 χ^2/NDF: 1119179.6/20

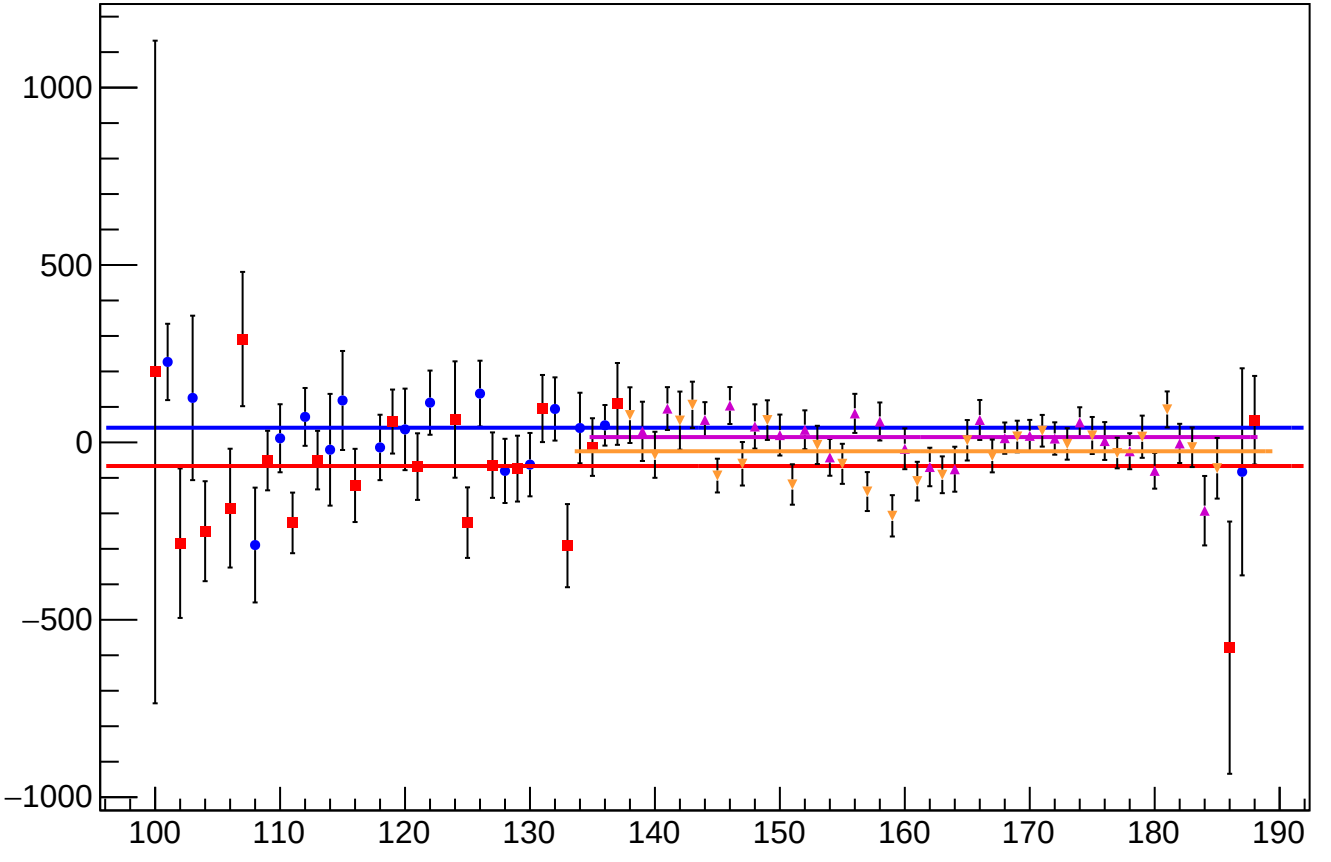
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 286.217+/-0.043 χ^2/NDF: 7934431.5/41

All: 285.427+/-0.030 χ^2/NDF: 17235119.1/85

- sign 284.635+/-0.043 χ^2/NDF: 9300000.4/43

cor_asym_sam_37_dd_mean vs Slug



Right In: 41.358+/-24.124 χ^2/NDF: 13.7/16

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -66.548+/-23.911 χ^2/NDF: 28.4/20

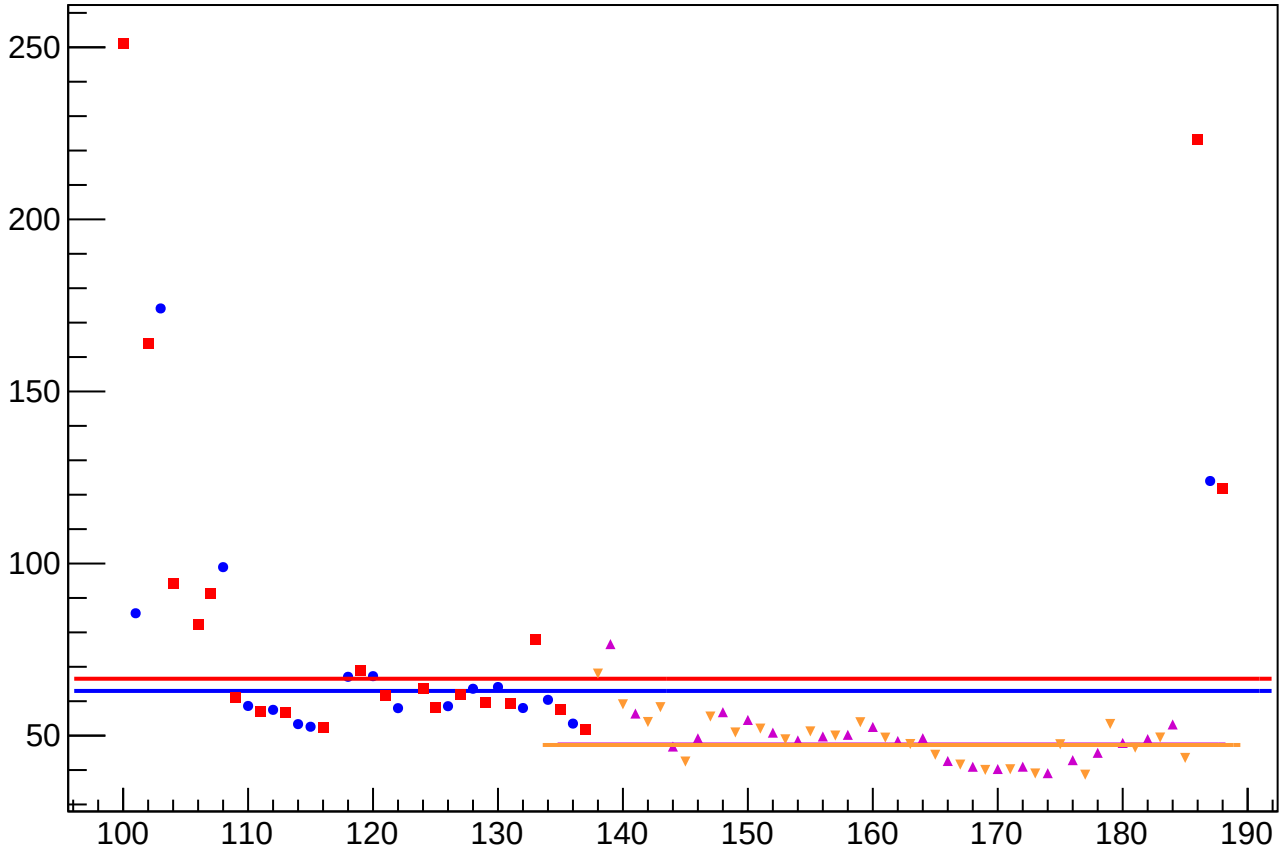
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.758+/-9.924 χ^2/NDF: 63.1/41

All: -6.900+/-7.098 χ^2/NDF: 126.8/85

- sign 0.283+/-10.156 χ^2/NDF: 62.7/43

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.985+/-0.017 χ^2/NDF: 846585.2/16

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

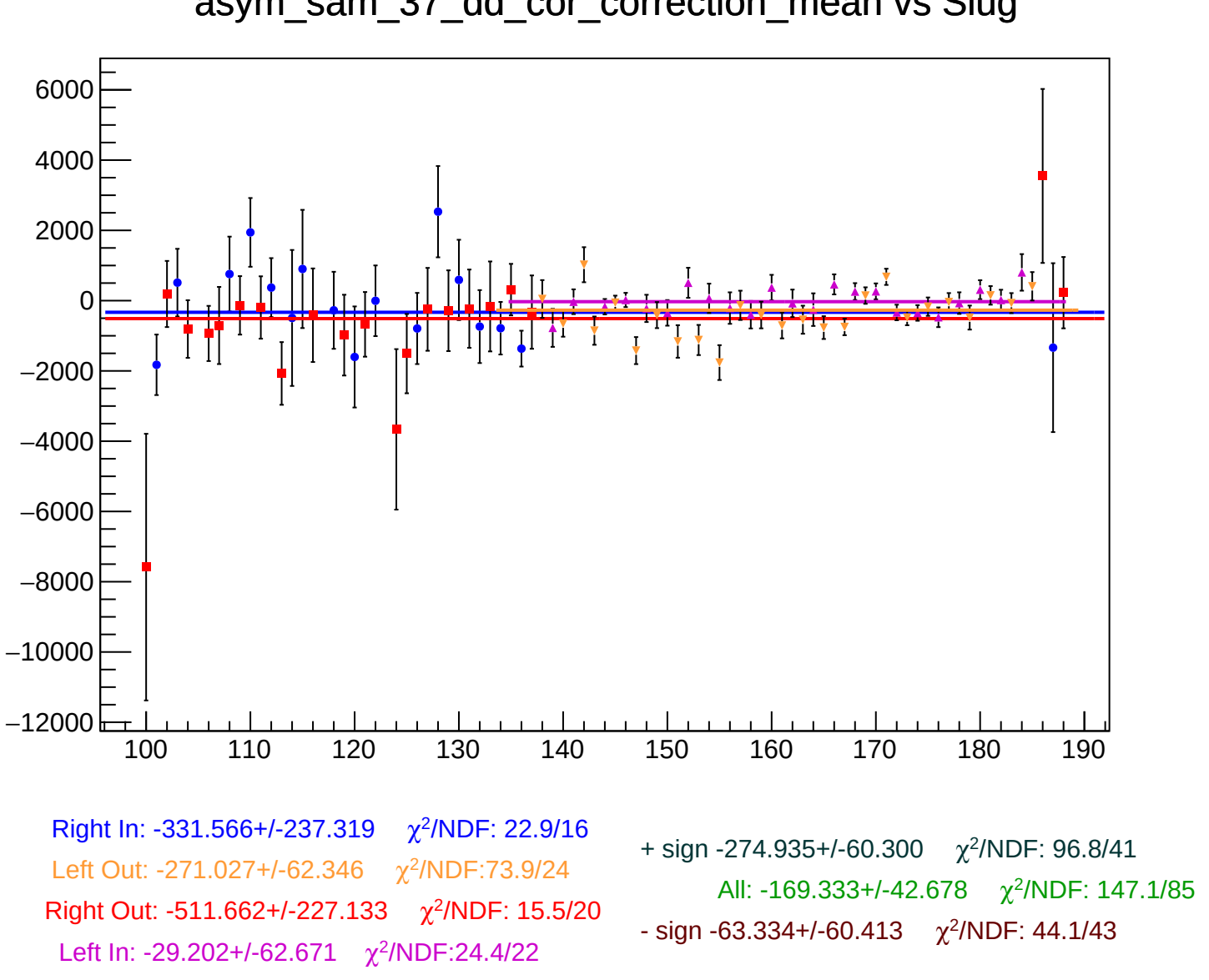
Right Out: 66.530+/-0.017 χ^2/NDF: 1639857.7/20

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

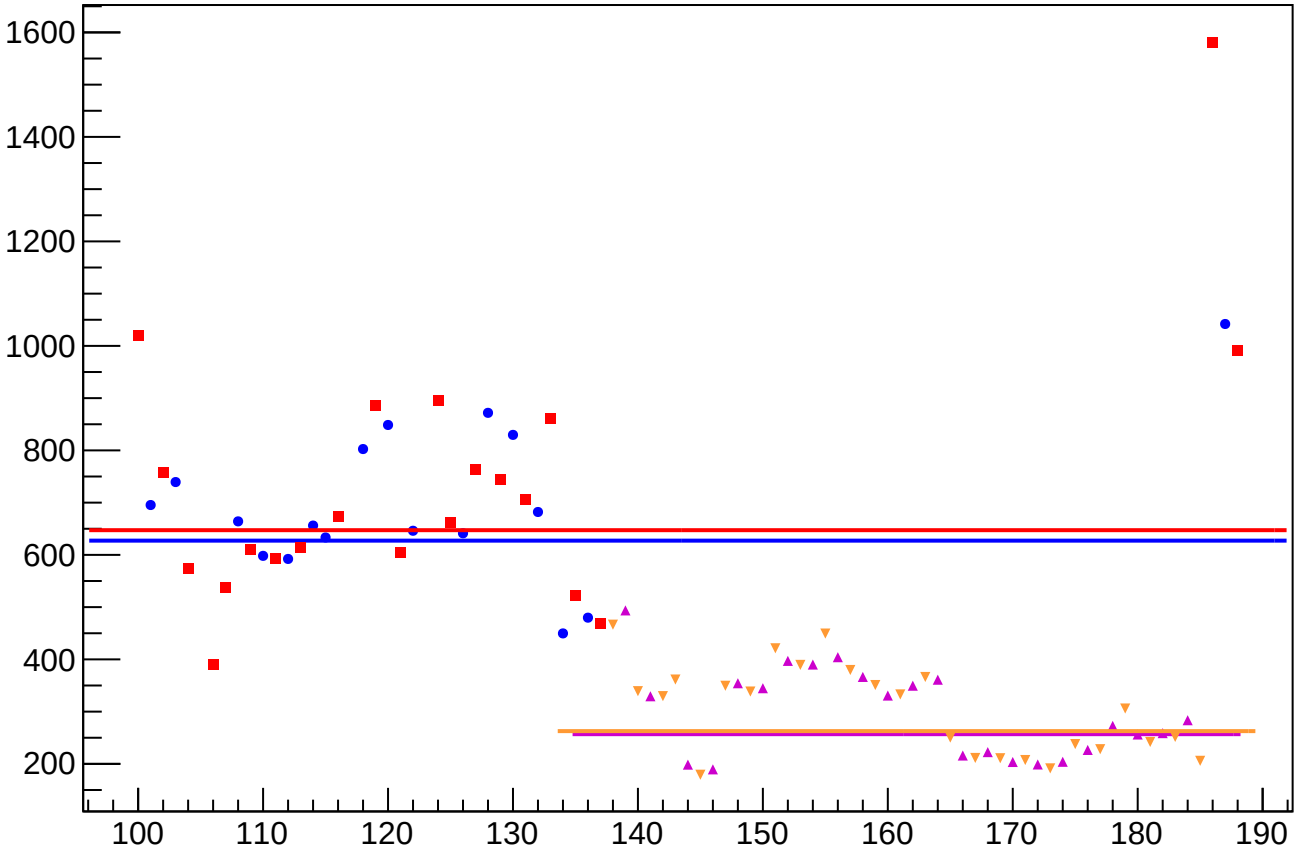
+ sign 49.941+/-0.007 χ^2/NDF: 2267721.6/41

All: 50.395+/-0.005 χ^2/NDF: 5618387.3/85

- sign 50.872+/-0.007 χ^2/NDF: 3342069.3/43


asym_sam_37_dd_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -331.566+/-237.319 χ²/NDF: 22.9/16
Left Out: -271.027+/-62.346 χ²/NDF:73.9/24
Right Out: -511.662+/-227.133 χ²/NDF: 15.5/20
Left In: -29.202+/-62.671 χ²/NDF:24.4/22
+ sign -274.935+/-60.300 χ²/NDF: 96.8/41
All: -169.333+/-42.678 χ²/NDF: 147.1/85
- sign -63.334+/-60.413 χ²/NDF: 44.1/43

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 627.266+/-0.168 χ^2/NDF: 625669.1/16

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 647.278+/-0.161 χ^2/NDF: 1149540.4/20

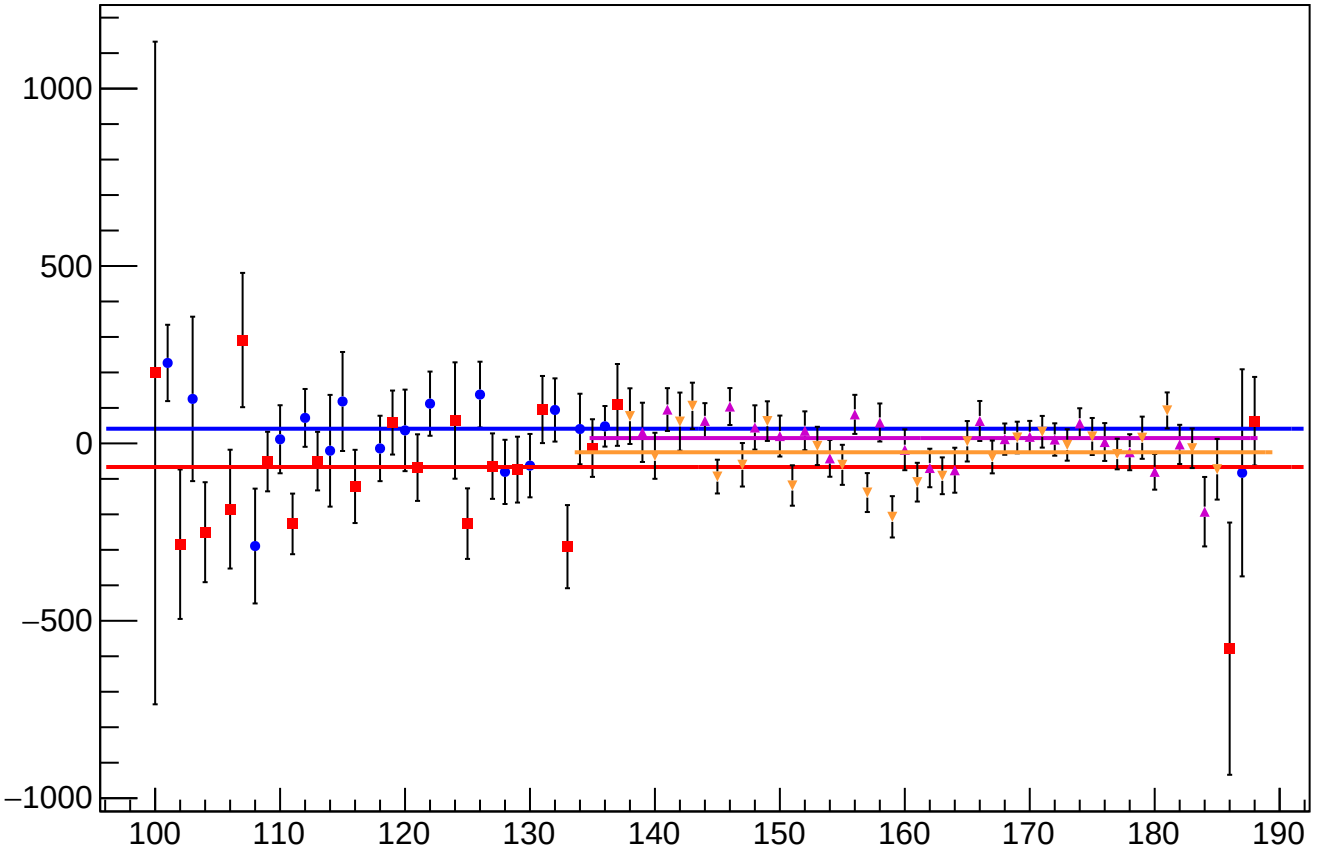
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 286.217+/-0.043 χ^2/NDF: 7934485.1/41

All: 285.342+/-0.030 χ^2/NDF: 17215695.4/85

- sign 284.464+/-0.043 χ^2/NDF: 9280367.0/43

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 41.358+/-24.124 χ^2/NDF: 13.7/16

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -66.548+/-23.911 χ^2/NDF: 28.4/20

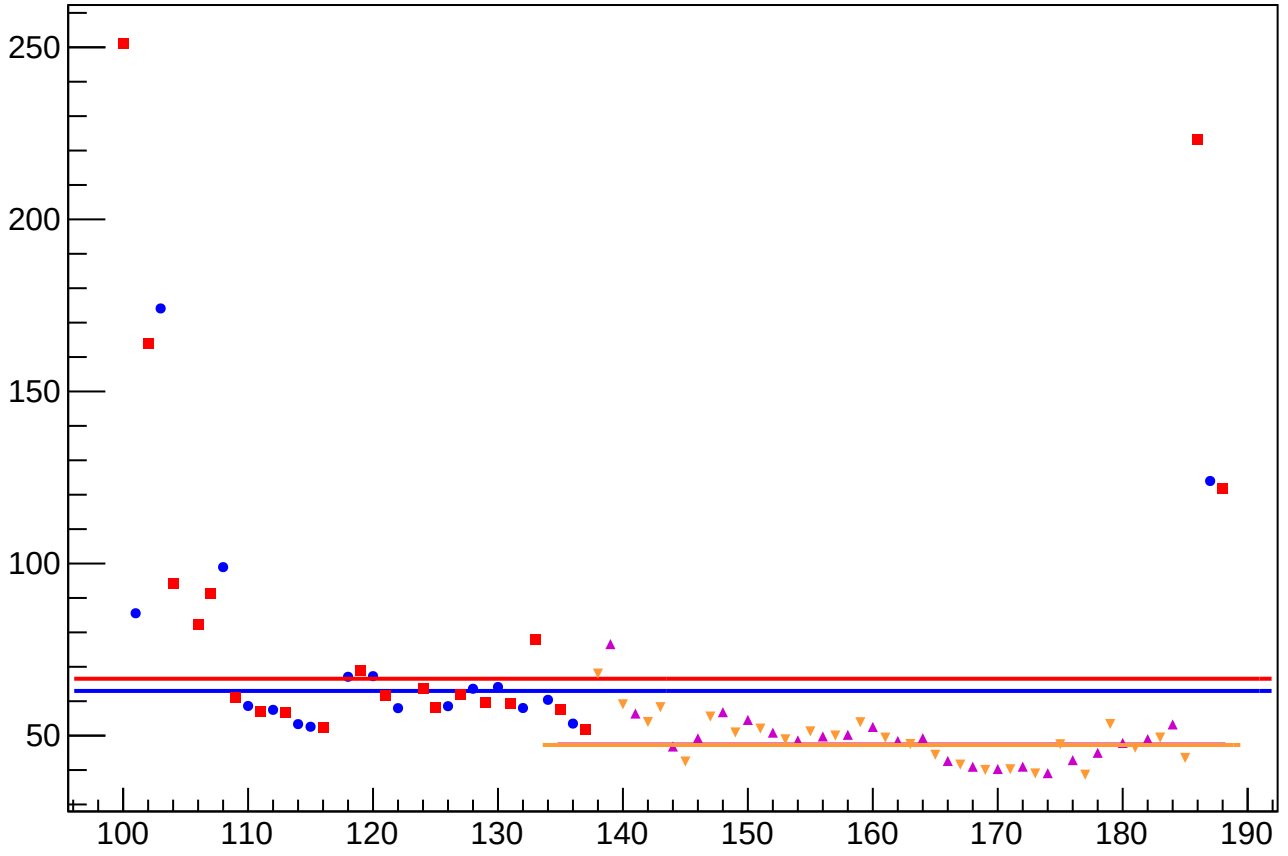
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.758+/-9.924 χ^2/NDF: 63.1/41

All: -6.900+/-7.098 χ^2/NDF: 126.8/85

- sign 0.283+/-10.156 χ^2/NDF: 62.7/43

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.985+/-0.017 χ^2/NDF: 846585.2/16

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

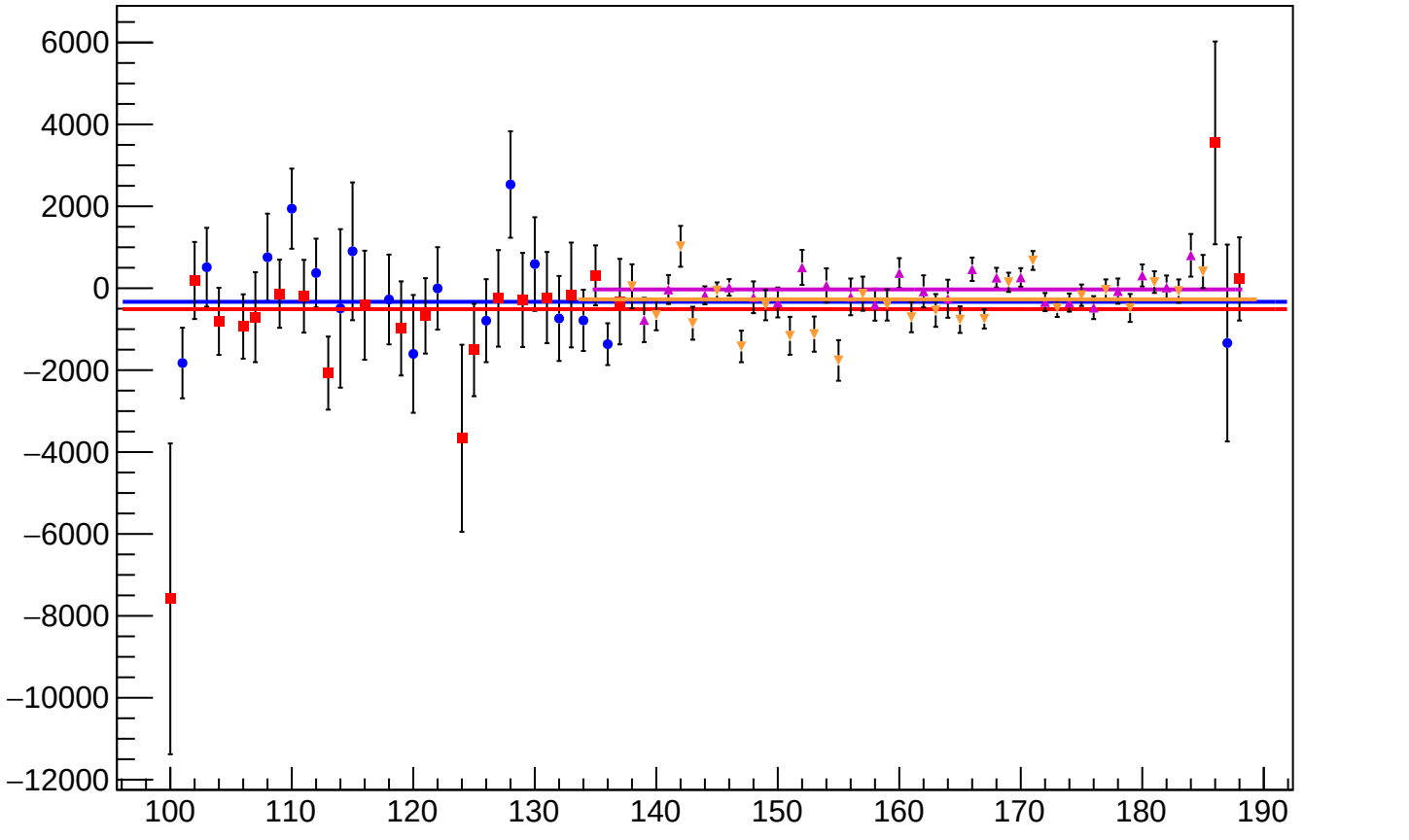
Right Out: 66.530+/-0.017 χ^2/NDF: 1639857.7/20

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 49.941+/-0.007 χ^2/NDF: 2267721.6/41

All: 50.395+/-0.005 χ^2/NDF: 5618387.3/85

- sign 50.872+/-0.007 χ^2/NDF: 3342069.3/43



Right In: -331.566+/-237.319 χ^2/NDF: 22.9/16

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -511.662+/-227.133 χ^2/NDF: 15.5/20

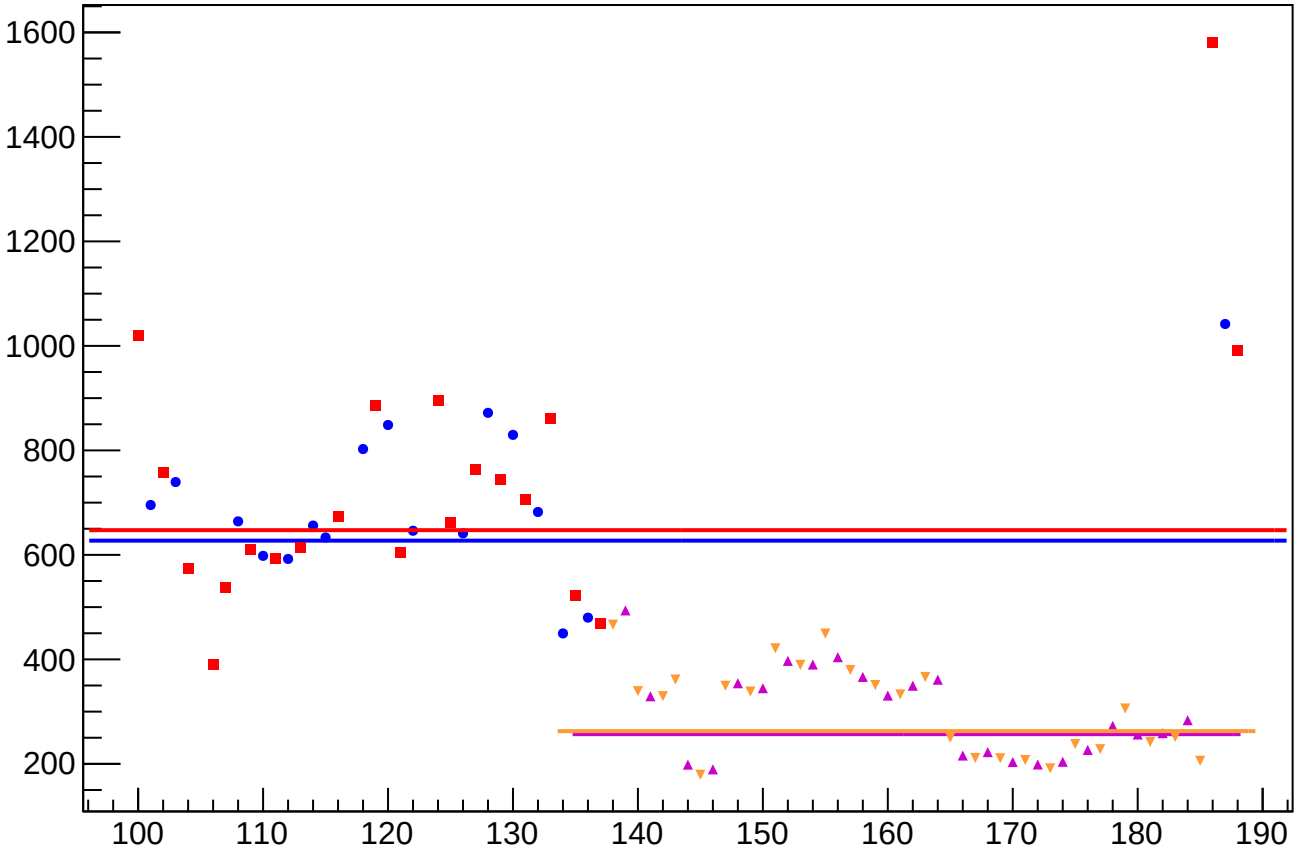
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -274.935+/-60.300 χ^2/NDF: 96.8/41

All: -169.333+/-42.678 χ^2/NDF: 147.1/85

- sign -63.334+/-60.413 χ^2/NDF: 44.1/43

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 627.266+/-0.168 χ^2/NDF: 625669.1/16

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 647.278+/-0.161 χ^2/NDF: 1149540.4/20

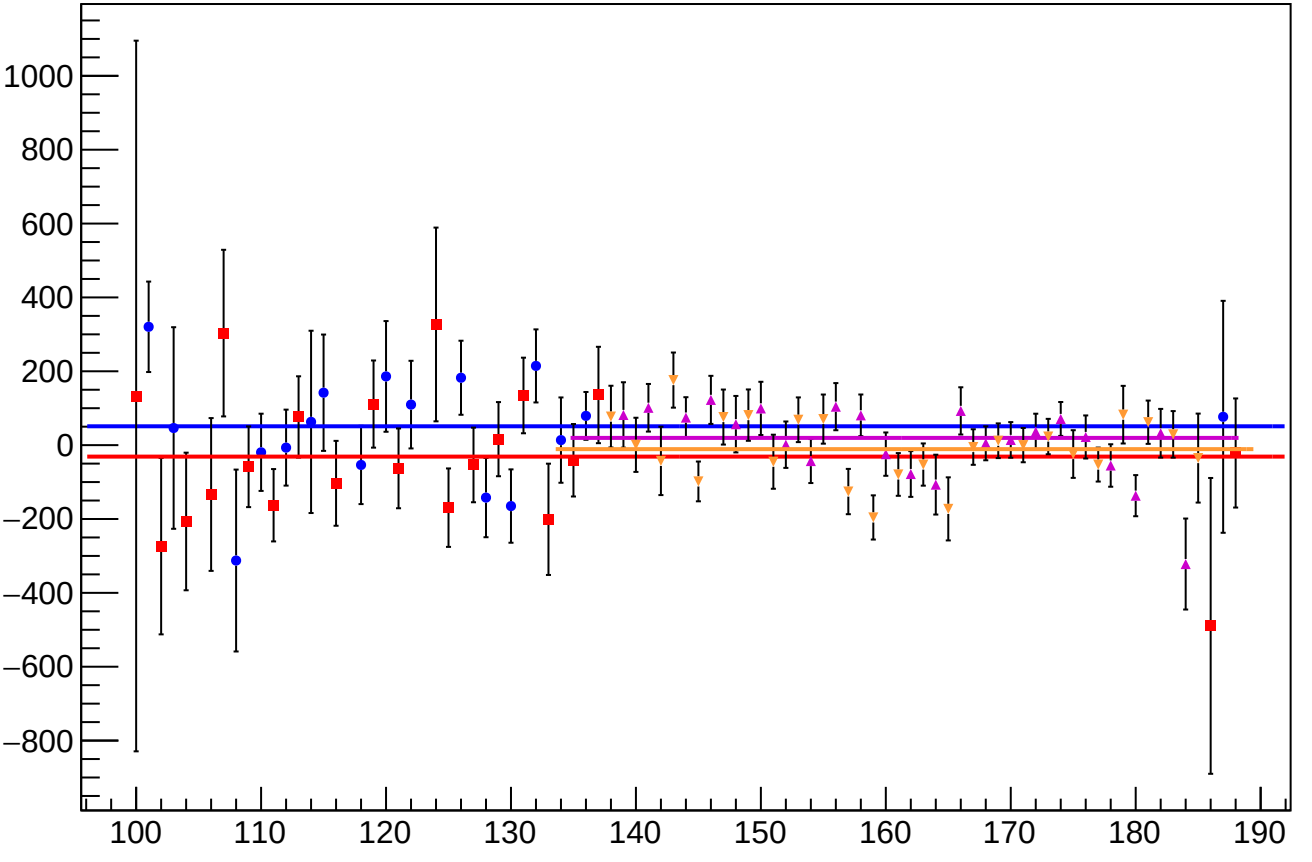
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 286.217+/-0.043 χ^2/NDF: 7934485.1/41

All: 285.342+/-0.030 χ^2/NDF: 17215695.4/85

- sign 284.464+/-0.043 χ^2/NDF: 9280367.0/43

dit_asym_sam_37_dd_mean vs Slug



Right In: 51.049+/-28.202 χ^2/NDF: 22.9/16

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -31.053+/-28.301 χ^2/NDF: 19.8/20

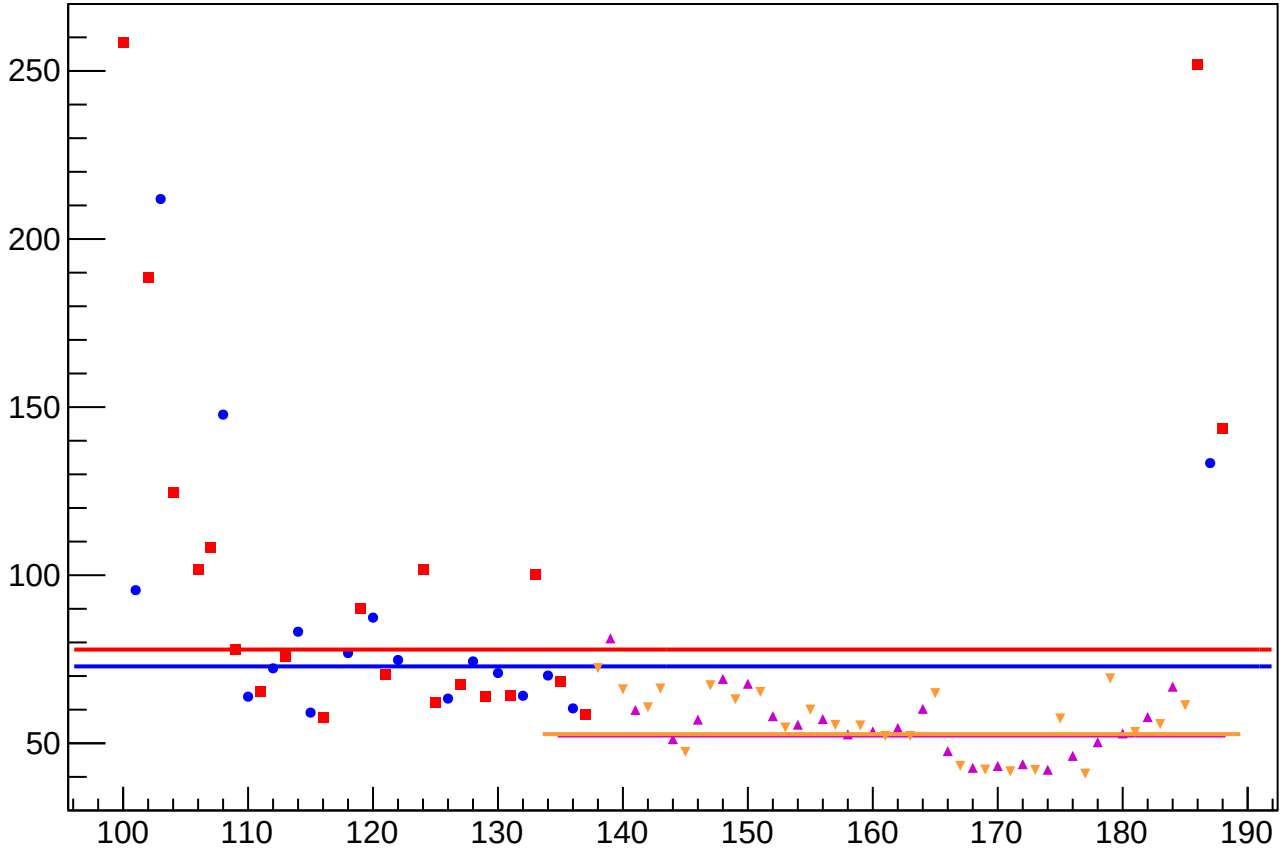
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.927+/-11.279 χ^2/NDF: 67.3/41

All: 5.074+/-8.042 χ^2/NDF: 127.2/85

- sign 11.278+/-11.469 χ^2/NDF: 59.3/43

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.870+/-0.020 χ^2/NDF: 1012976.0/16

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 77.886+/-0.020 χ^2/NDF: 1853638.5/20

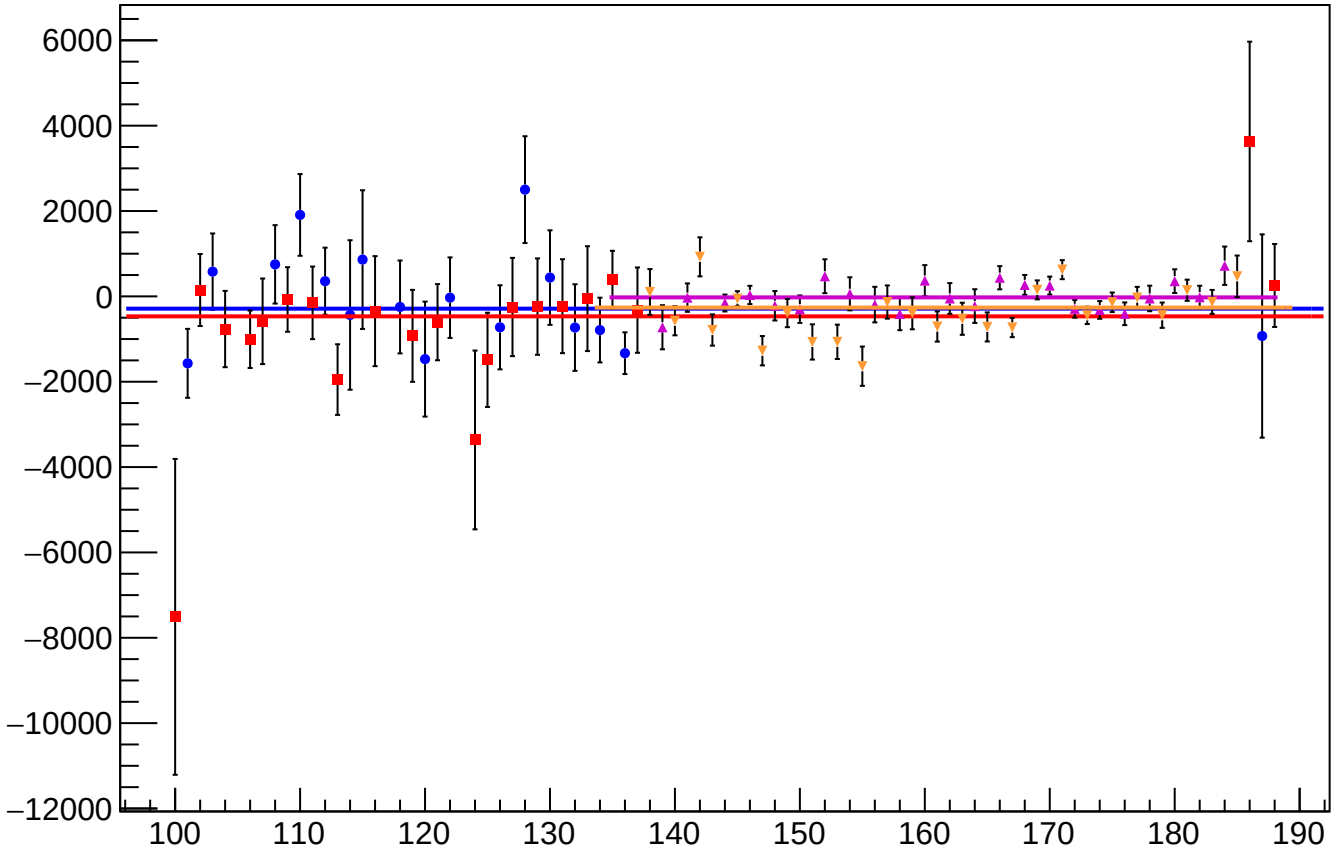
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 55.952+/-0.008 χ^2/NDF: 3036895.6/41

All: 56.228+/-0.006 χ^2/NDF: 7149598.3/85

- sign 56.514+/-0.008 χ^2/NDF: 4110264.1/43

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -287.903+/-226.755 χ^2/NDF: 22.9/16

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -468.074+/-214.500 χ^2/NDF: 17.0/20

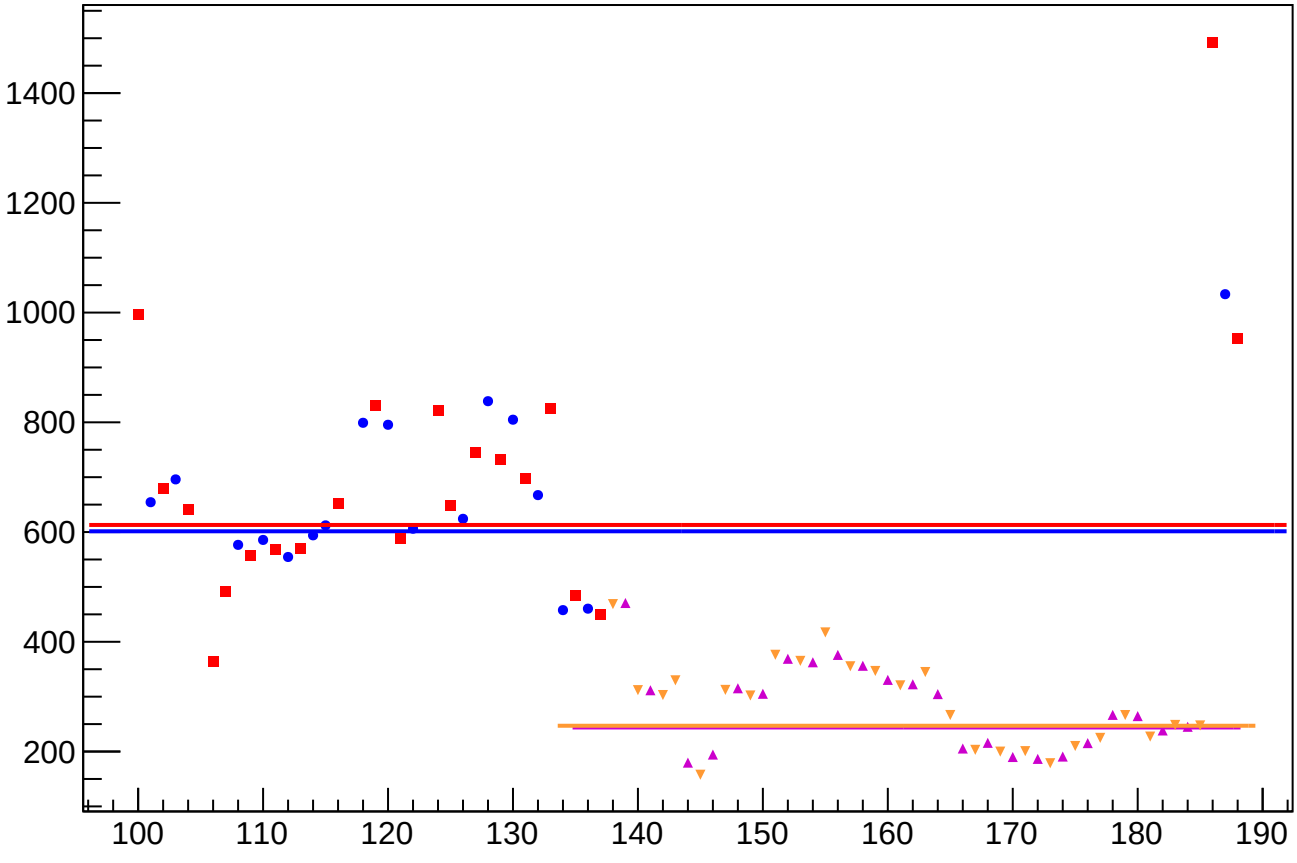
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -264.162+/-56.646 χ^2/NDF: 95.1/41

All: -160.742+/-40.264 χ^2/NDF: 147.0/85

- sign -55.133+/-57.243 χ^2/NDF: 45.2/43

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 601.392+/-0.160 χ^2/NDF: 600242.1/16

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 612.933+/-0.152 χ^2/NDF: 1241639.2/20

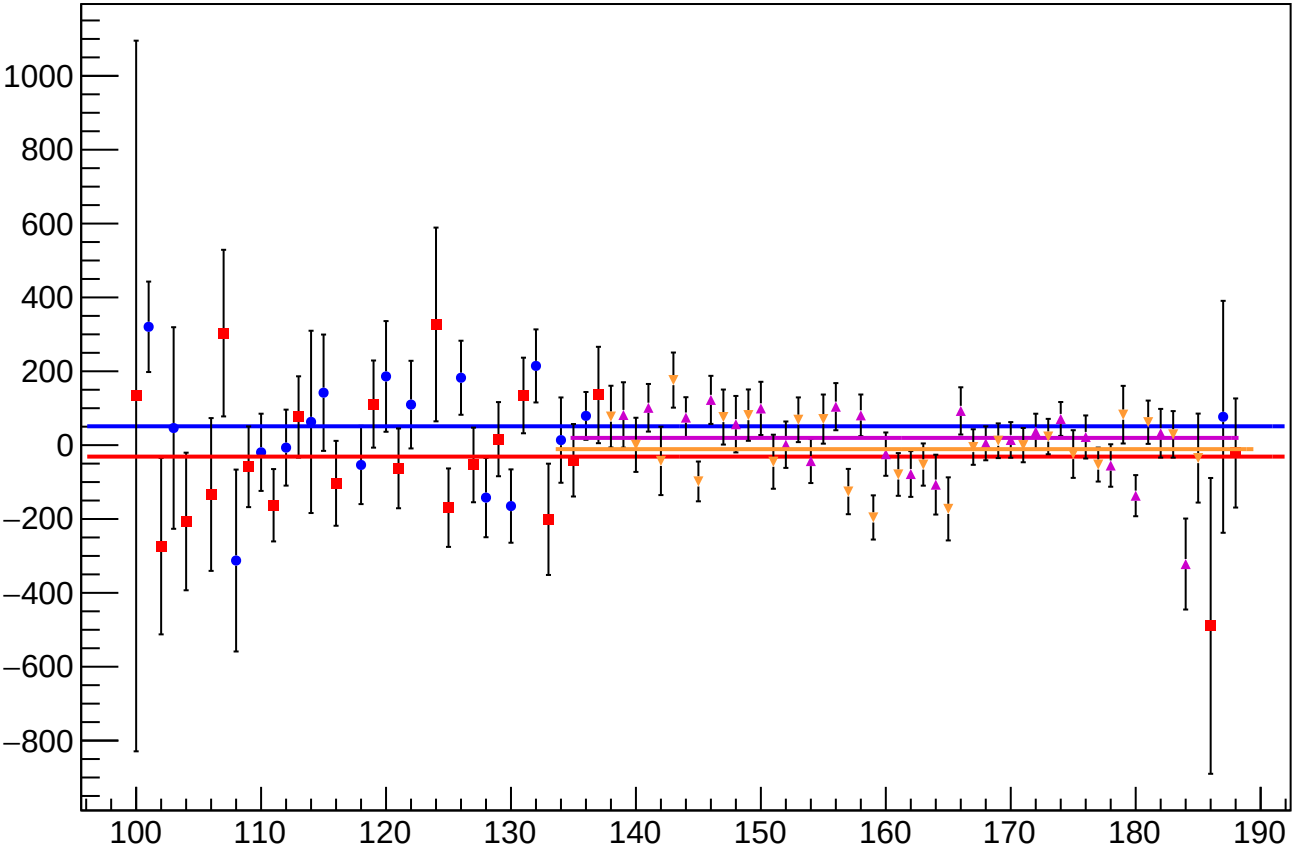
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 269.112+/-0.040 χ^2/NDF: 8106413.1/41

All: 269.607+/-0.028 χ^2/NDF: 17339329.1/85

- sign 270.112+/-0.040 χ^2/NDF: 9232607.8/43

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 51.048+/-28.202 χ^2/NDF: 22.9/16

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -31.052+/-28.301 χ^2/NDF: 19.8/20

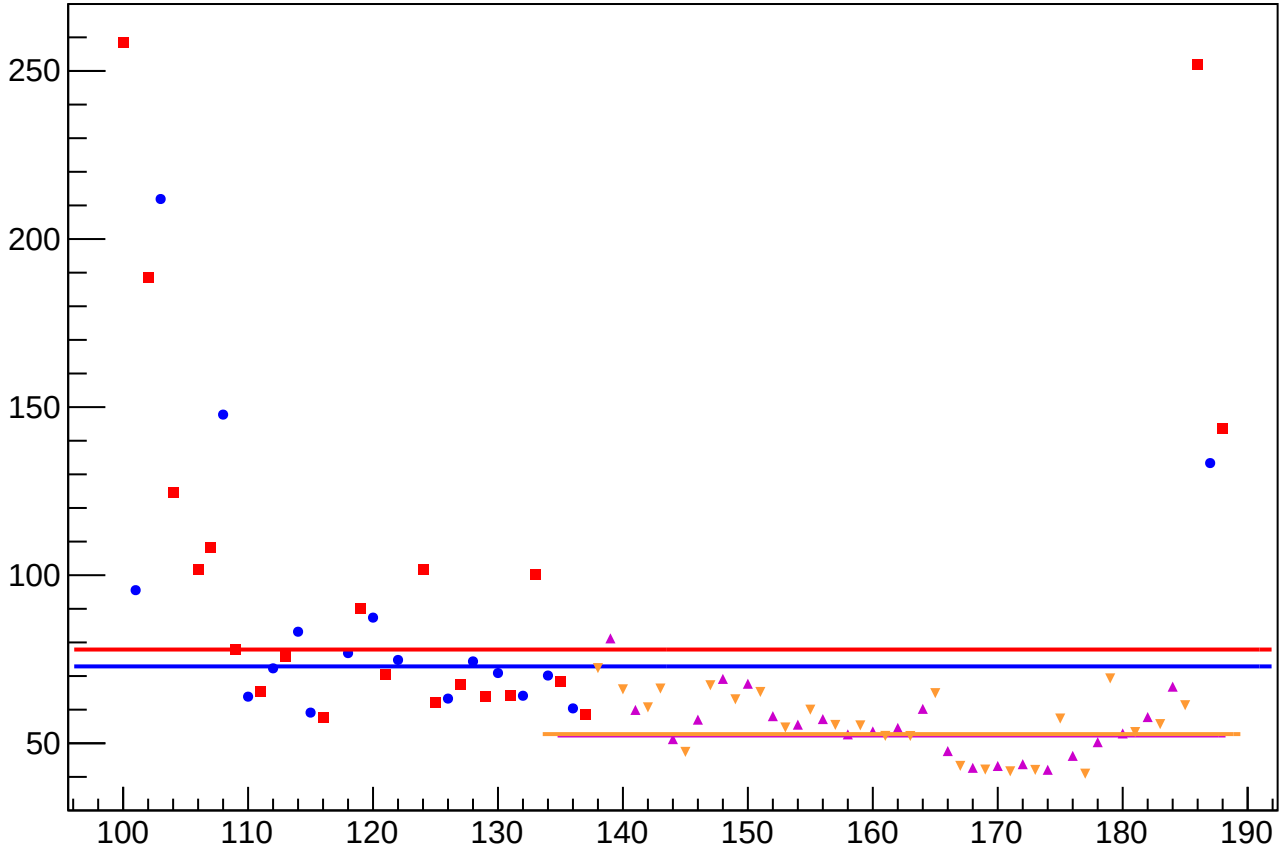
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.926+/-11.279 χ^2/NDF: 67.3/41

All: 5.074+/-8.042 χ^2/NDF: 127.2/85

- sign 11.279+/-11.469 χ^2/NDF: 59.3/43

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.869+/-0.020 χ^2/NDF: 1012979.9/16

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

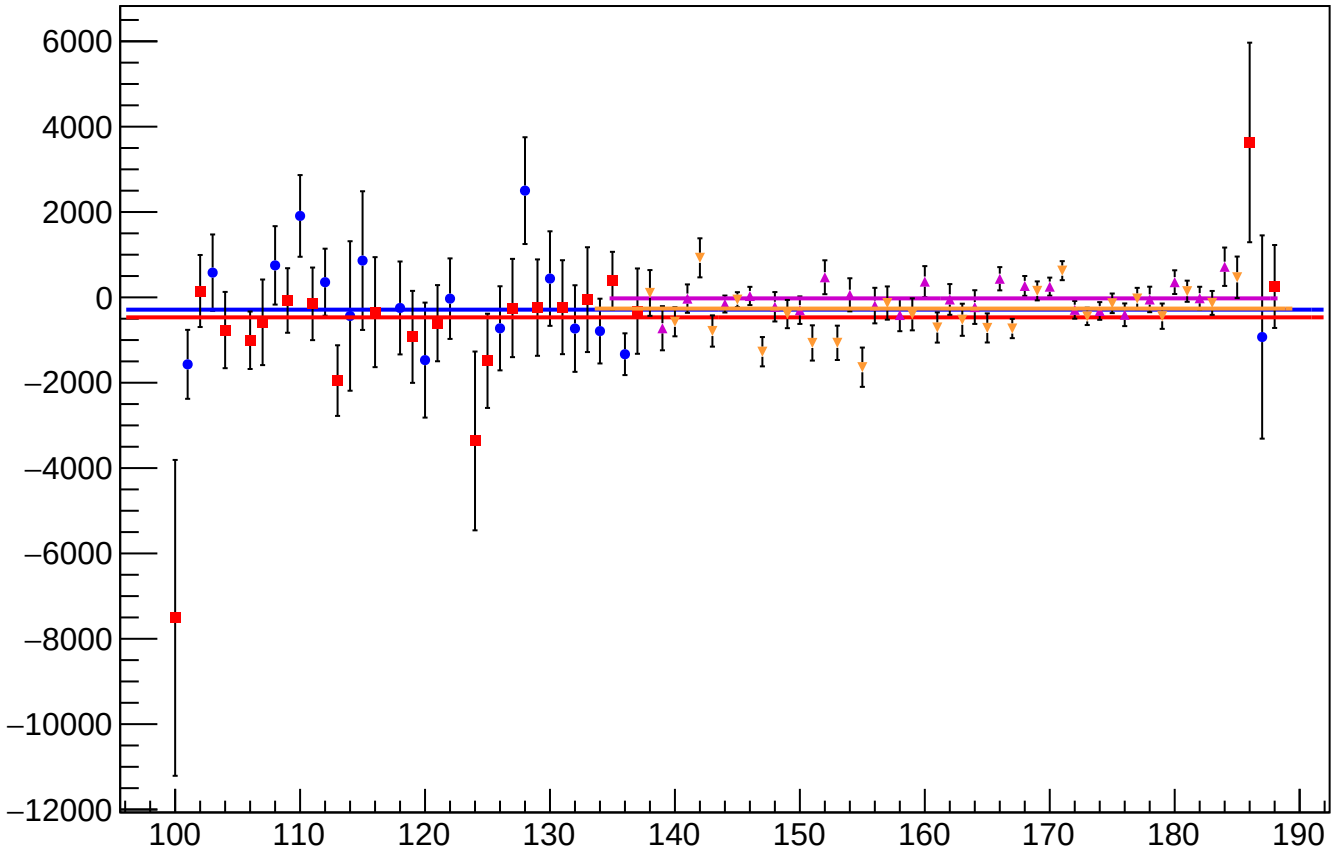
Right Out: 77.886+/-0.020 χ^2/NDF: 1853637.1/20

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 55.952+/-0.008 χ^2/NDF: 3036911.8/41

All: 56.228+/-0.006 χ^2/NDF: 7149608.5/85

- sign 56.514+/-0.008 χ^2/NDF: 4110258.0/43



Right In: -287.903+/-226.755 χ^2/NDF: 22.9/16

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -468.074+/-214.500 χ^2/NDF: 17.0/20

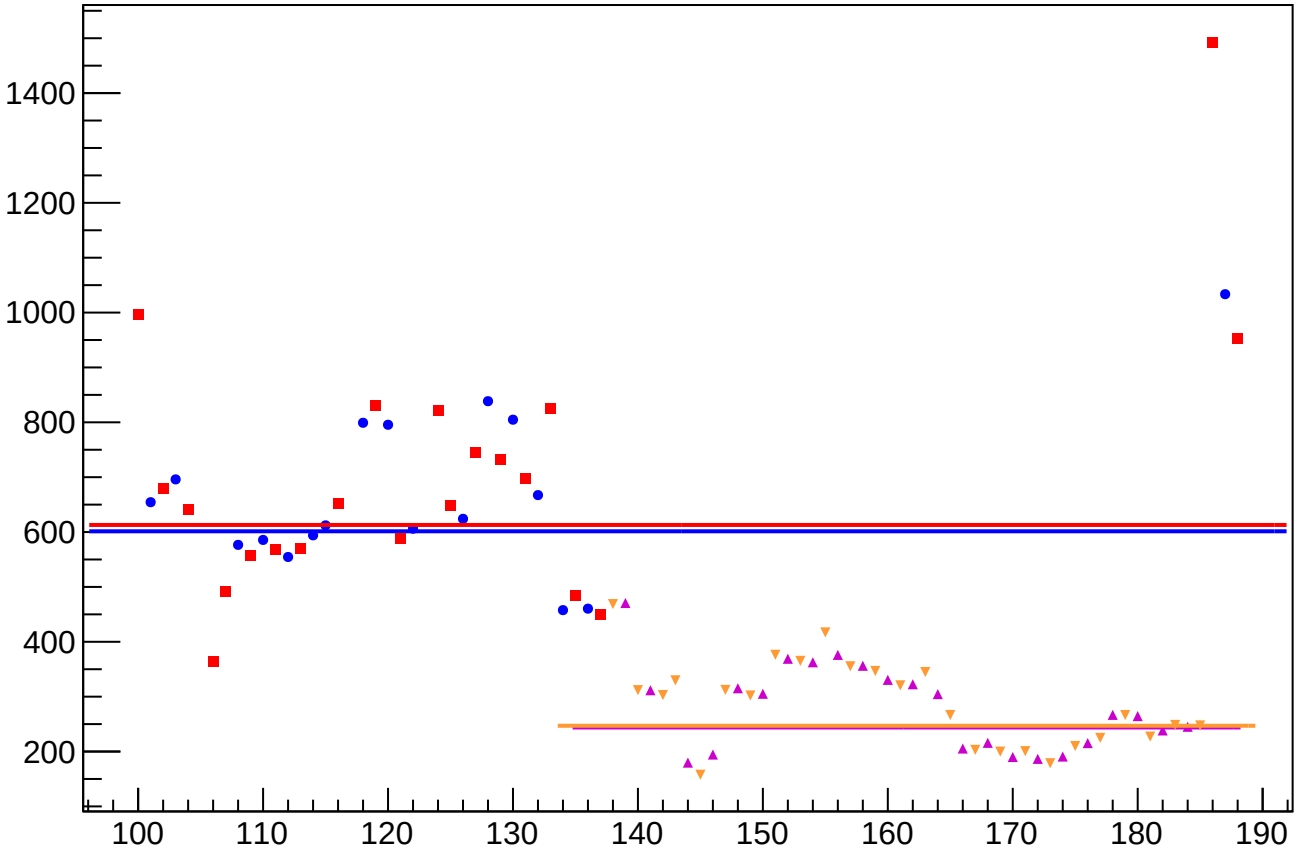
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -264.162+/-56.646 χ^2/NDF: 95.1/41

All: -160.742+/-40.264 χ^2/NDF: 147.0/85

- sign -55.132+/-57.243 χ^2/NDF: 45.2/43

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 601.392+/-0.160 χ^2/NDF: 600239.3/16

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 612.933+/-0.152 χ^2/NDF: 1241633.9/20

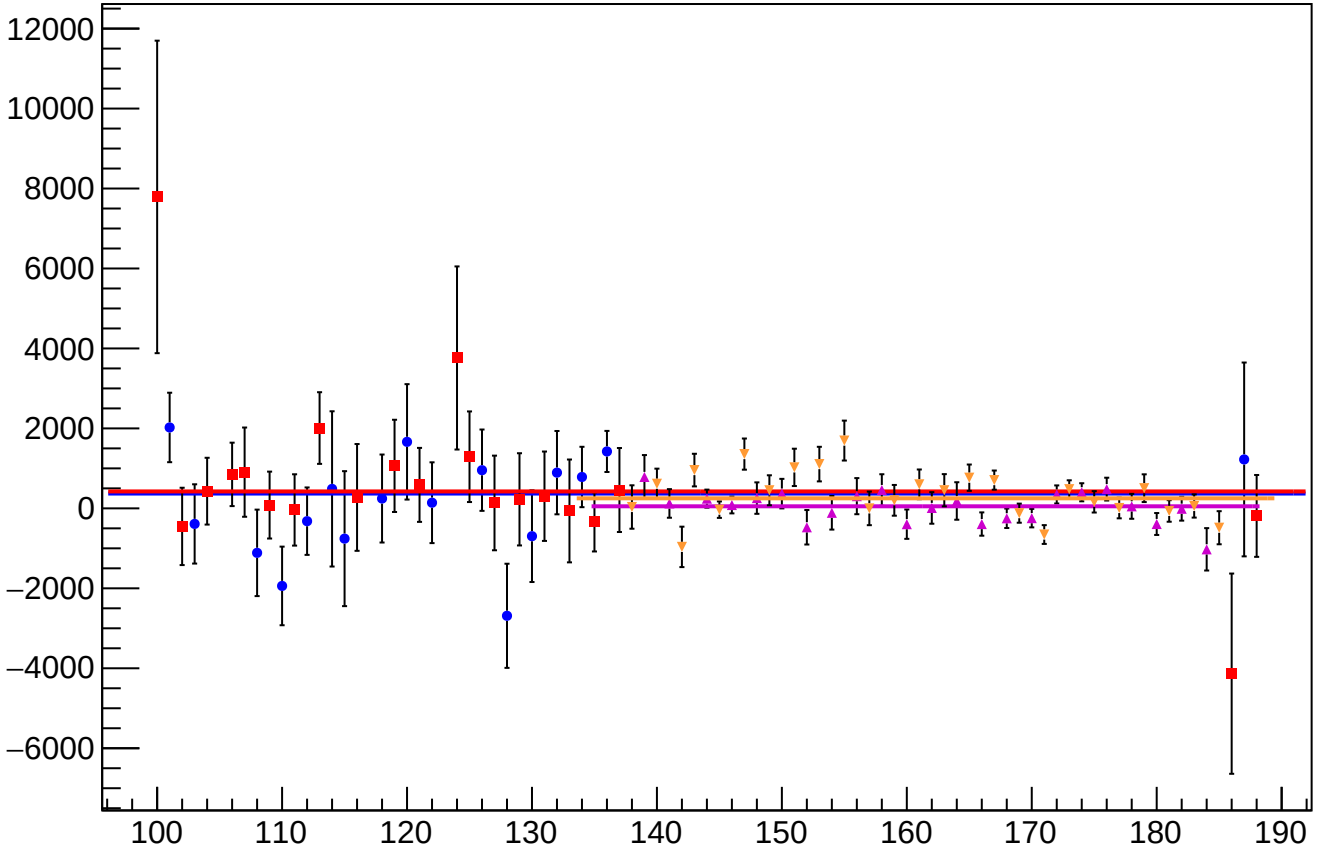
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 269.112+/-0.040 χ^2/NDF: 8106405.1/41

All: 269.606+/-0.028 χ^2/NDF: 17339312.4/85

- sign 270.112+/-0.040 χ^2/NDF: 9232599.0/43

asym_sam_37_dd_mean vs Slug



Right In: 370.764+/-239.131 χ^2/NDF: 25.2/16

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 423.593+/-229.032 χ^2/NDF: 16.5/20

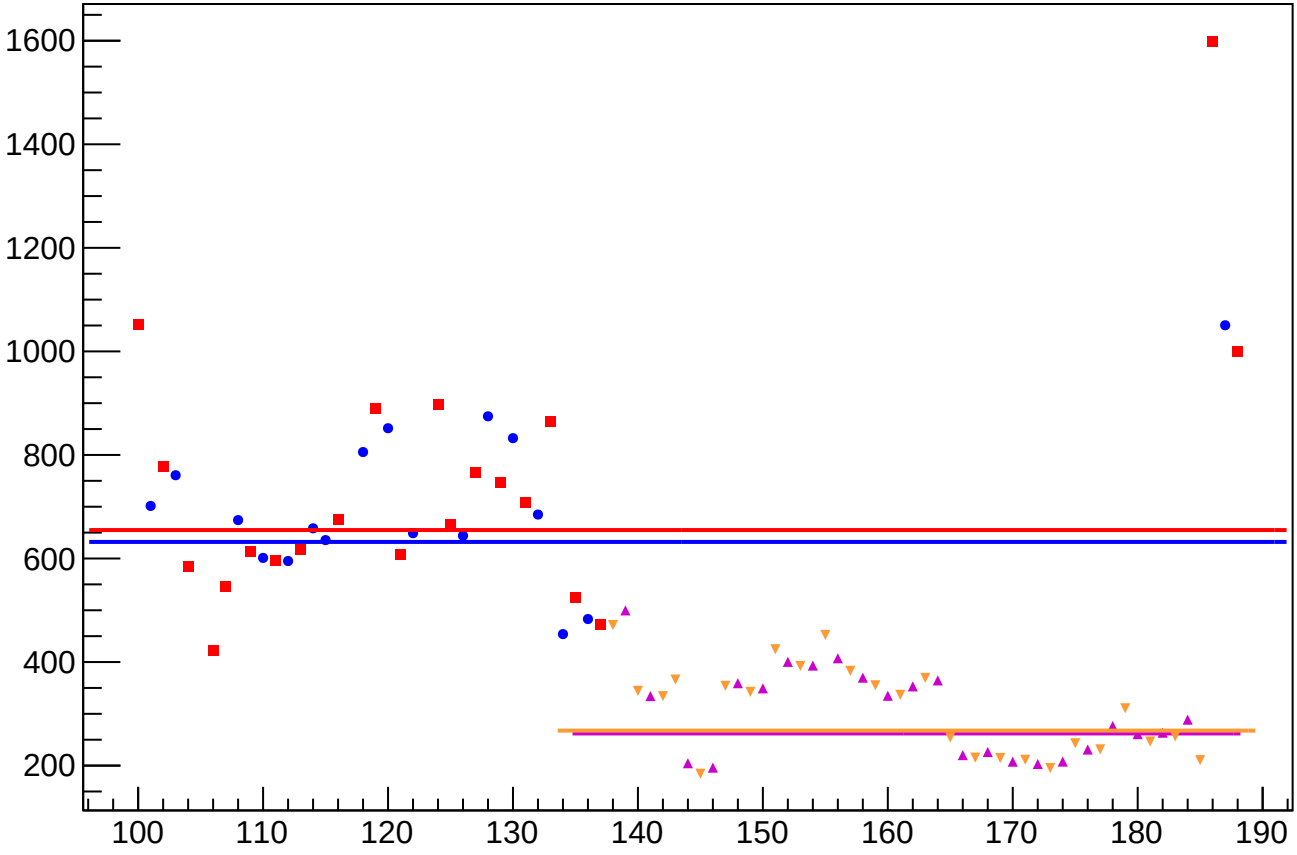
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 258.973+/-61.304 χ^2/NDF: 93.0/41

All: 169.032+/-43.417 χ^2/NDF: 143.0/85

- sign 78.520+/-61.499 χ^2/NDF: 45.7/43

asym_sam_37_dd_rms vs Slug



Right In: 632.009+/-0.169 χ^2/NDF: 626989.6/16

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

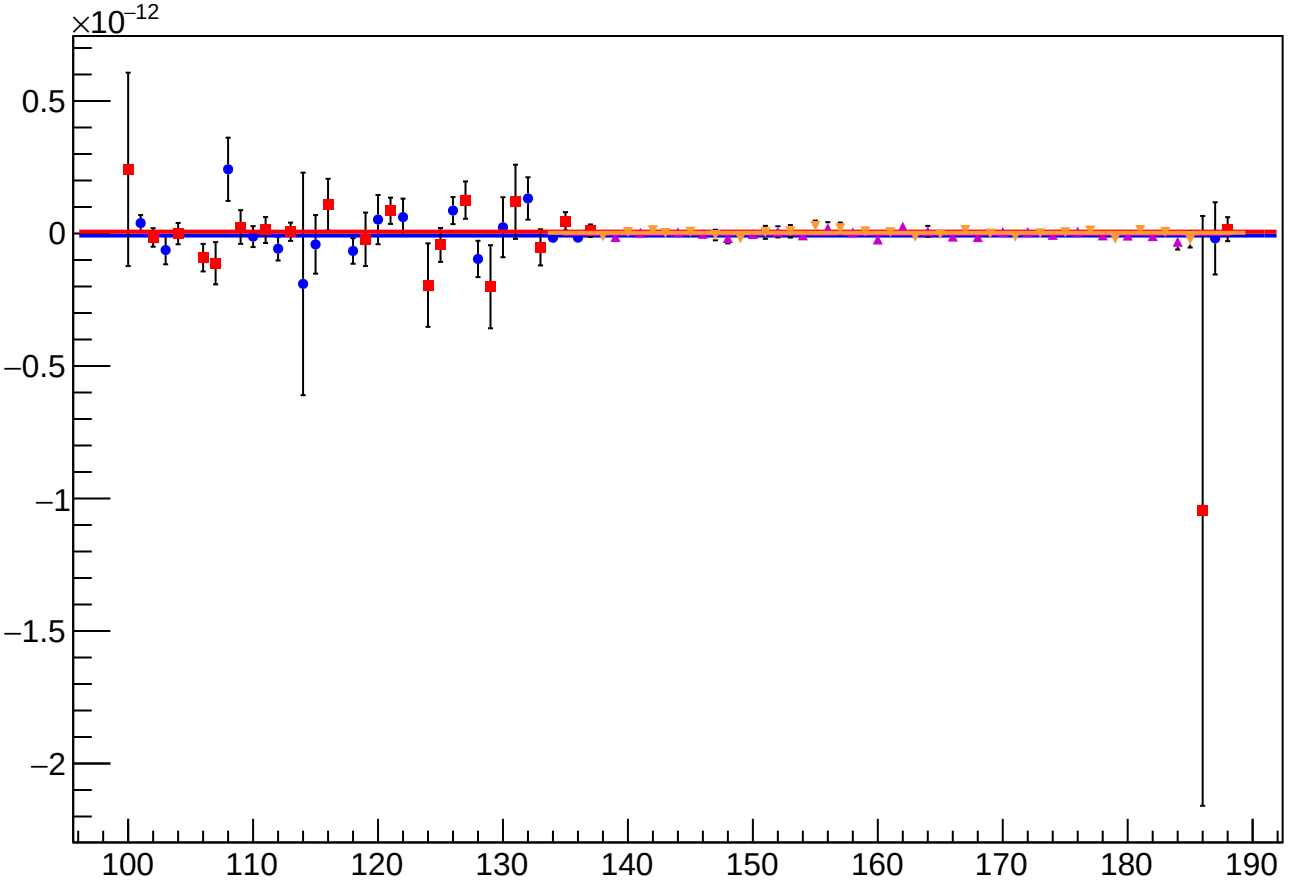
Right Out: 654.939+/-0.162 χ^2/NDF: 1106844.5/20

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 291.539+/-0.043 χ^2/NDF: 7767938.7/41

All: 290.980+/-0.031 χ^2/NDF: 16872480.1/85

- sign 290.417+/-0.043 χ^2/NDF: 9104207.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

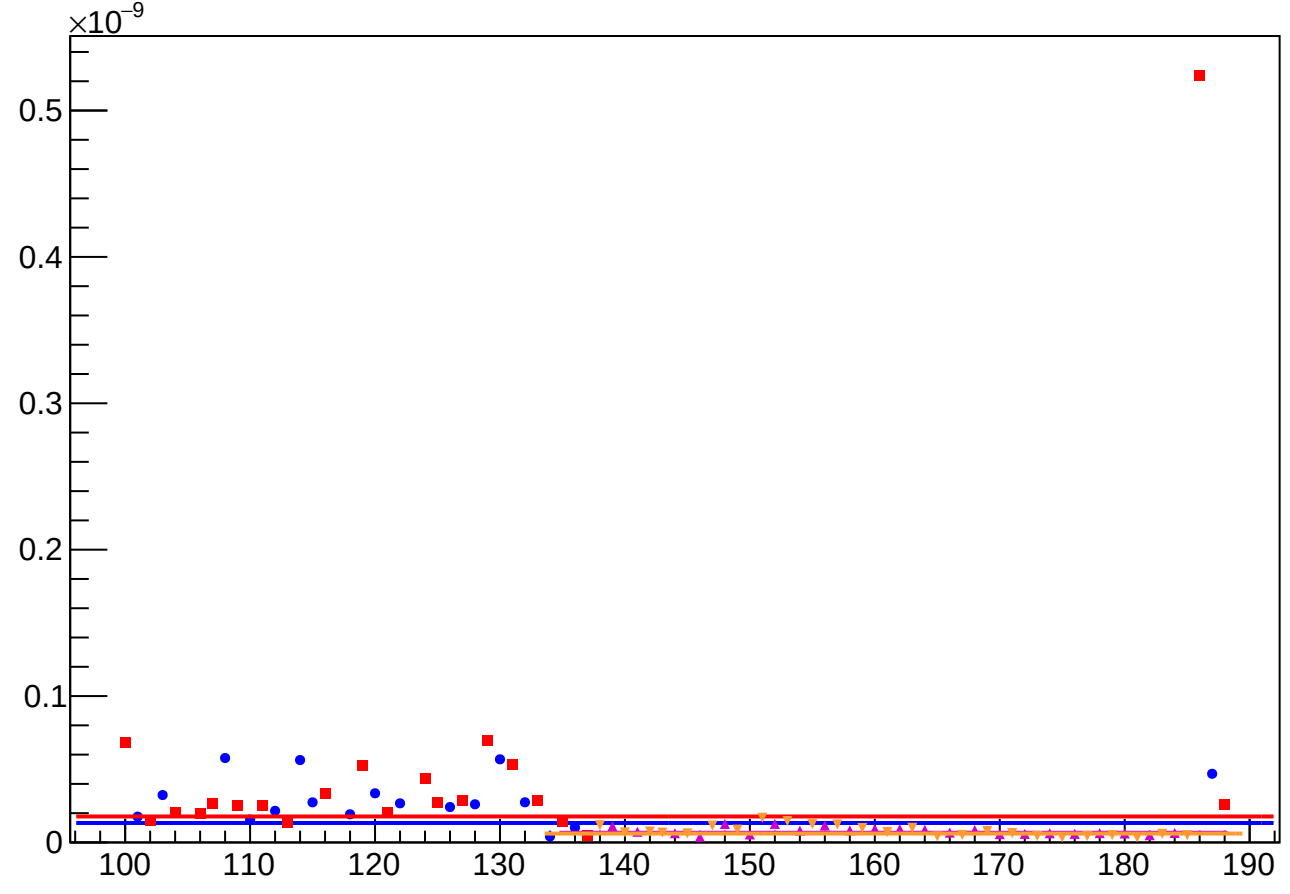
Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/20

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/41

All: 0.000+/-0.000 χ^2/NDF: 71.7/85

- sign -0.000+/-0.000 χ^2/NDF: 33.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 2205130.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2132206.9/20

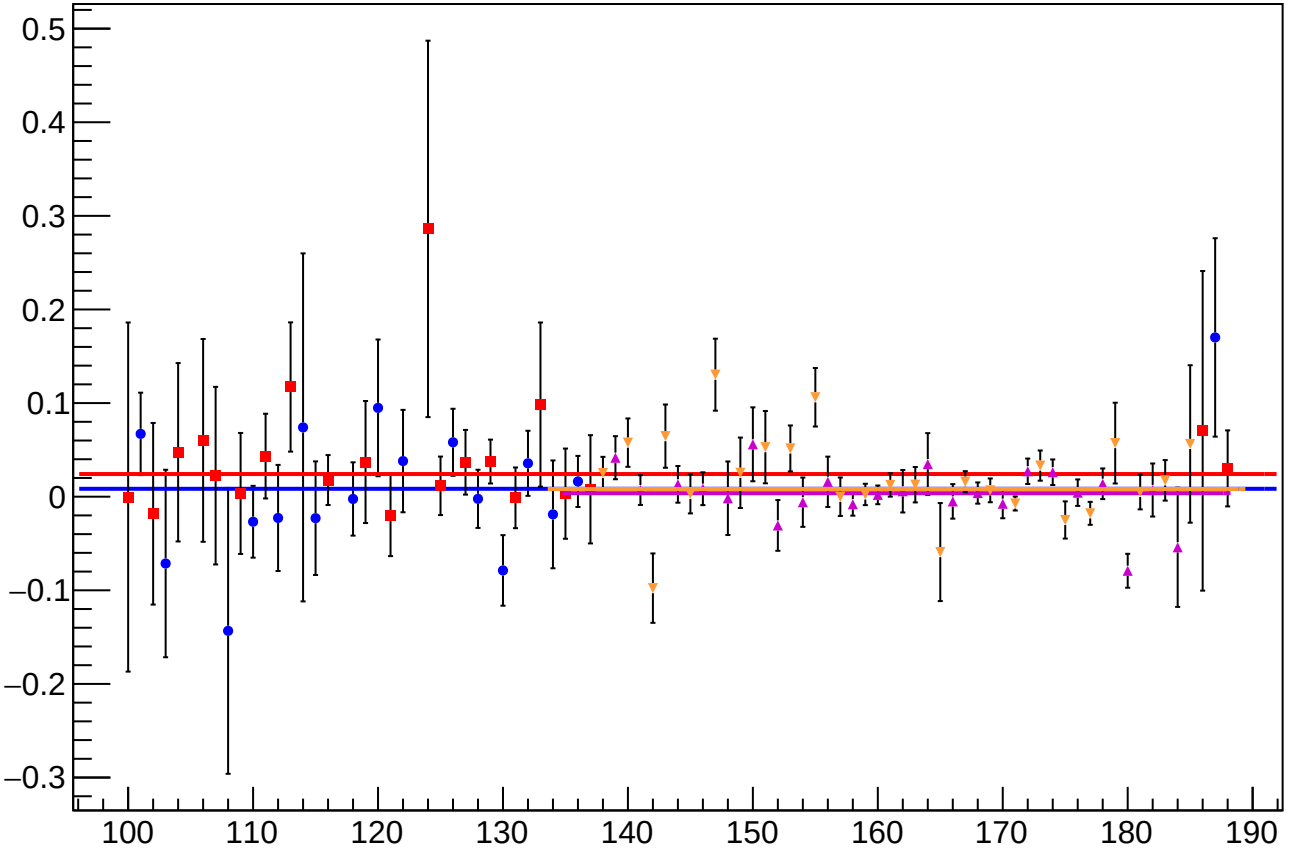
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5740524.4/41

All: 0.000+/-0.000 χ^2/NDF: 10998402.3/85

- sign 0.000+/-0.000 χ^2/NDF: 5181130.1/43

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.011 χ^2/NDF: 17.4/16

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.024+/-0.010 χ^2/NDF: 7.6/20

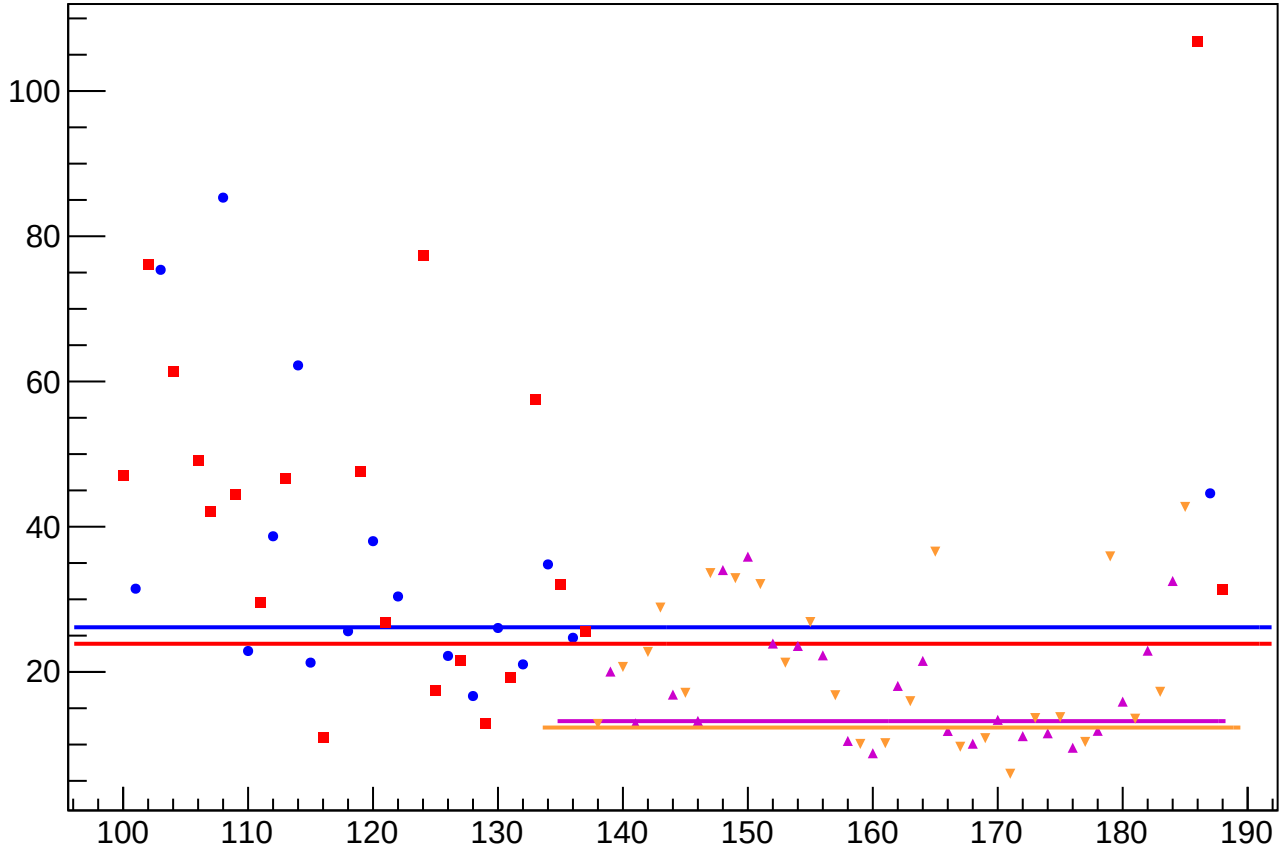
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 76.2/41

All: 0.007+/-0.002 χ^2/NDF: 124.8/85

- sign 0.006+/-0.003 χ^2/NDF: 48.4/43

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.151+/-0.008 χ^2/NDF: 1442885.4/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

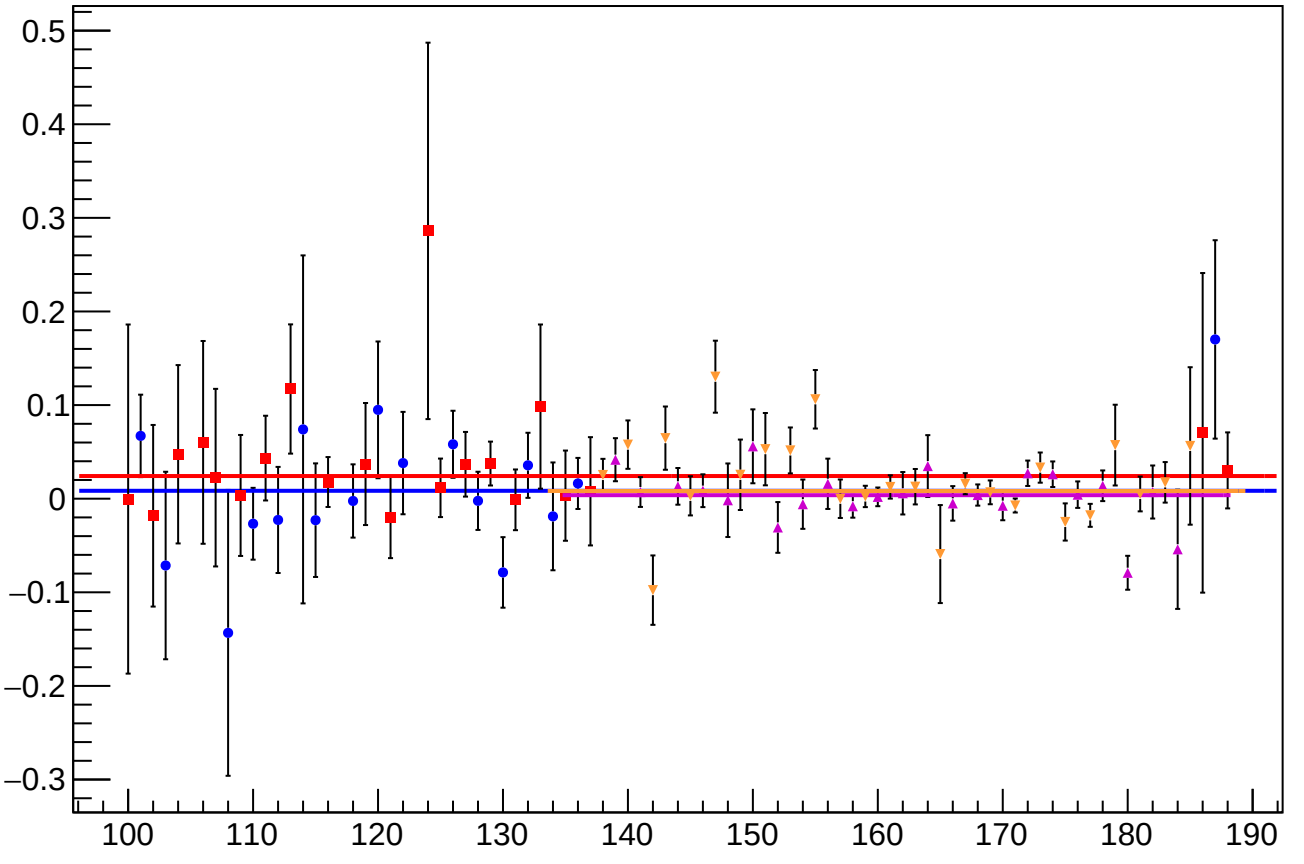
Right Out: 23.880+/-0.007 χ^2/NDF: 3913068.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.574+/-0.002 χ^2/NDF: 11036786.6/41

All: 13.989+/-0.002 χ^2/NDF: 20839963.9/85

- sign 14.436+/-0.002 χ^2/NDF: 9737411.2/43



Right In: 0.008+/-0.011 χ^2/NDF: 17.4/16

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

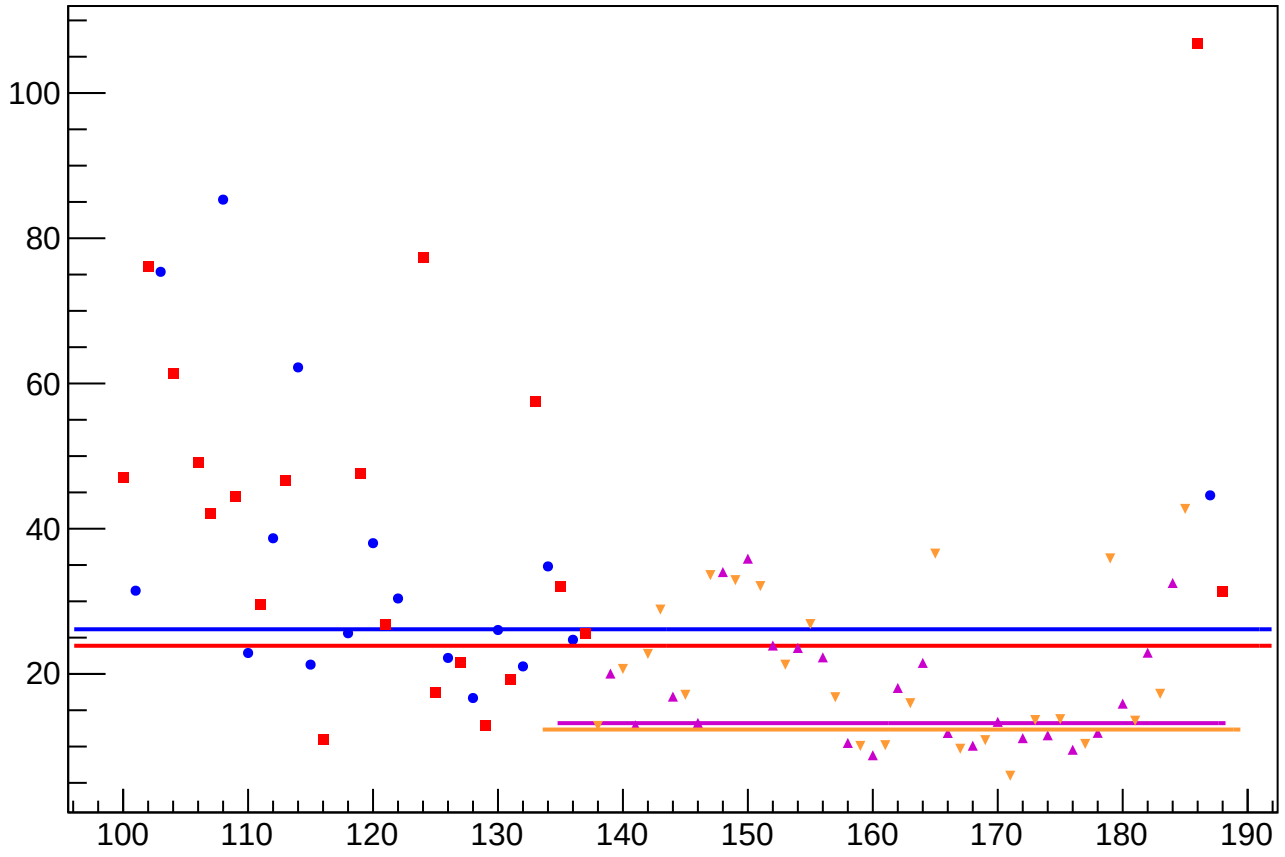
Right Out: 0.024+/-0.010 χ^2/NDF: 7.6/20

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 76.2/41

All: 0.007+/-0.002 χ^2/NDF: 124.8/85

- sign 0.006+/-0.003 χ^2/NDF: 48.4/43



Right In: 26.151+/-0.008 χ^2/NDF: 1442885.4/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 23.880+/-0.007 χ^2/NDF: 3913068.2/20

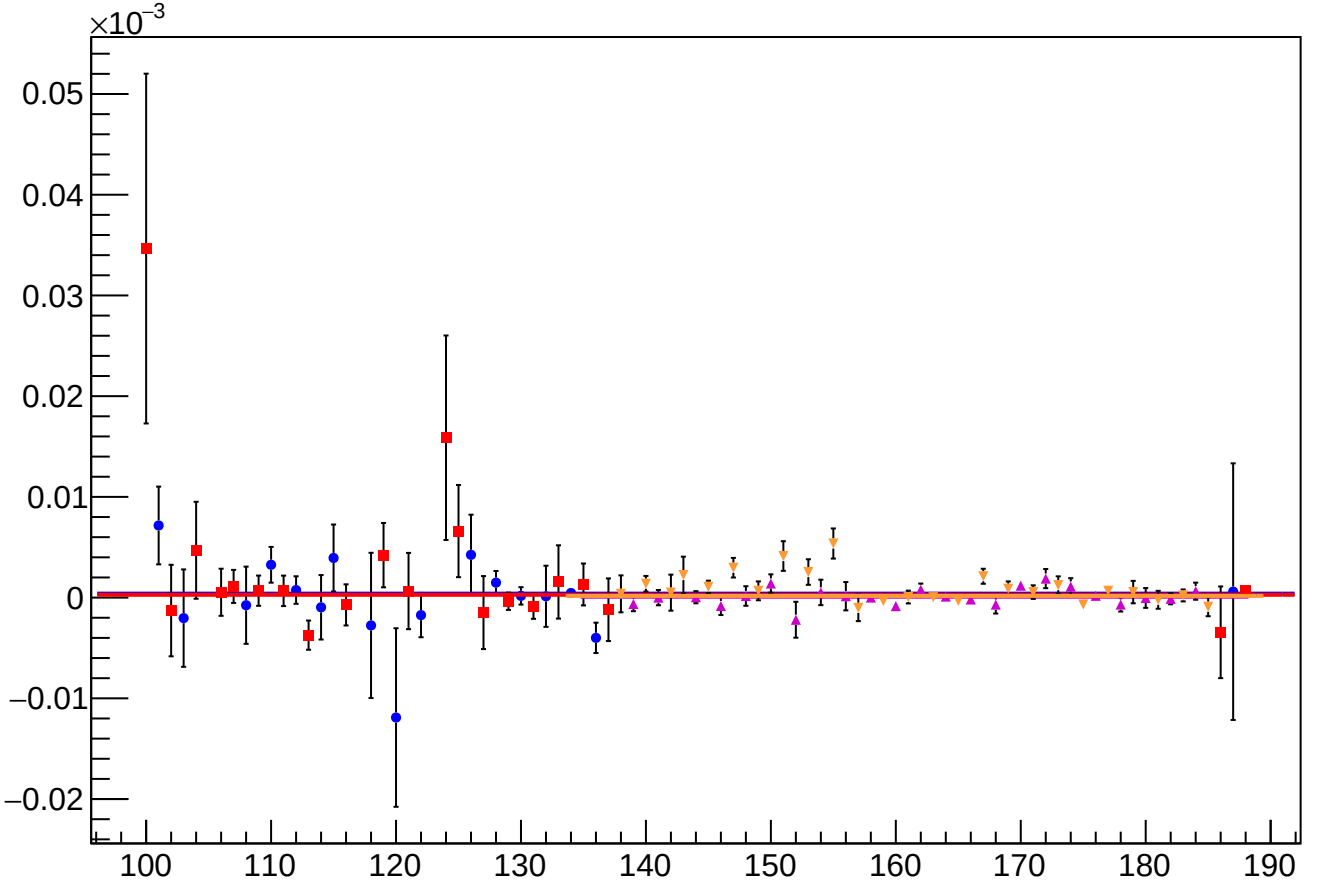
Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.574+/-0.002 χ^2/NDF: 11036786.6/41

All: 13.989+/-0.002 χ^2/NDF: 20839963.9/85

- sign 14.436+/-0.002 χ^2/NDF: 9737411.2/43

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

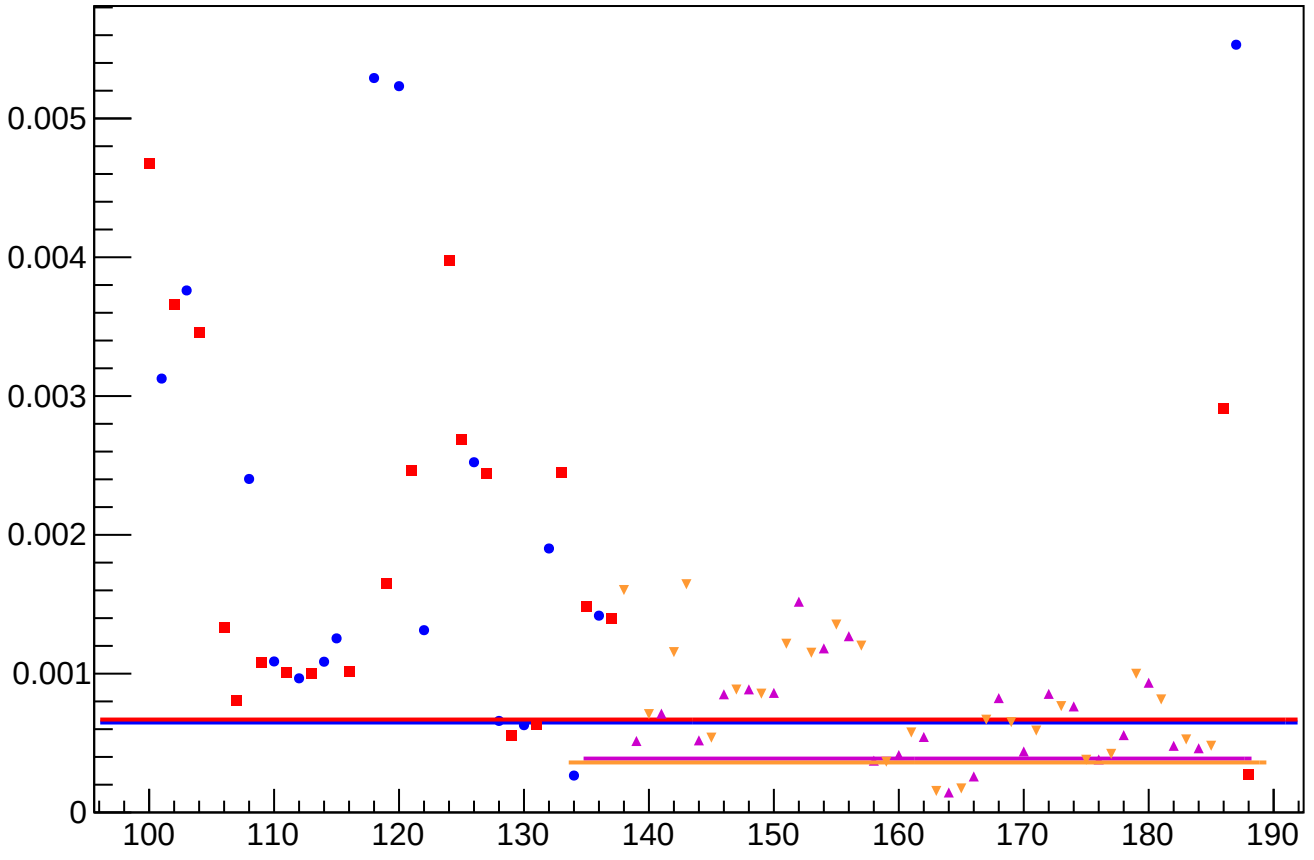
Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/20

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.7/41

All: 0.000+/-0.000 χ^2/NDF: 130.5/85

- sign 0.000+/-0.000 χ^2/NDF: 47.5/43



Right In: 0.001+/-0.000 χ^2/NDF: 6869770.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

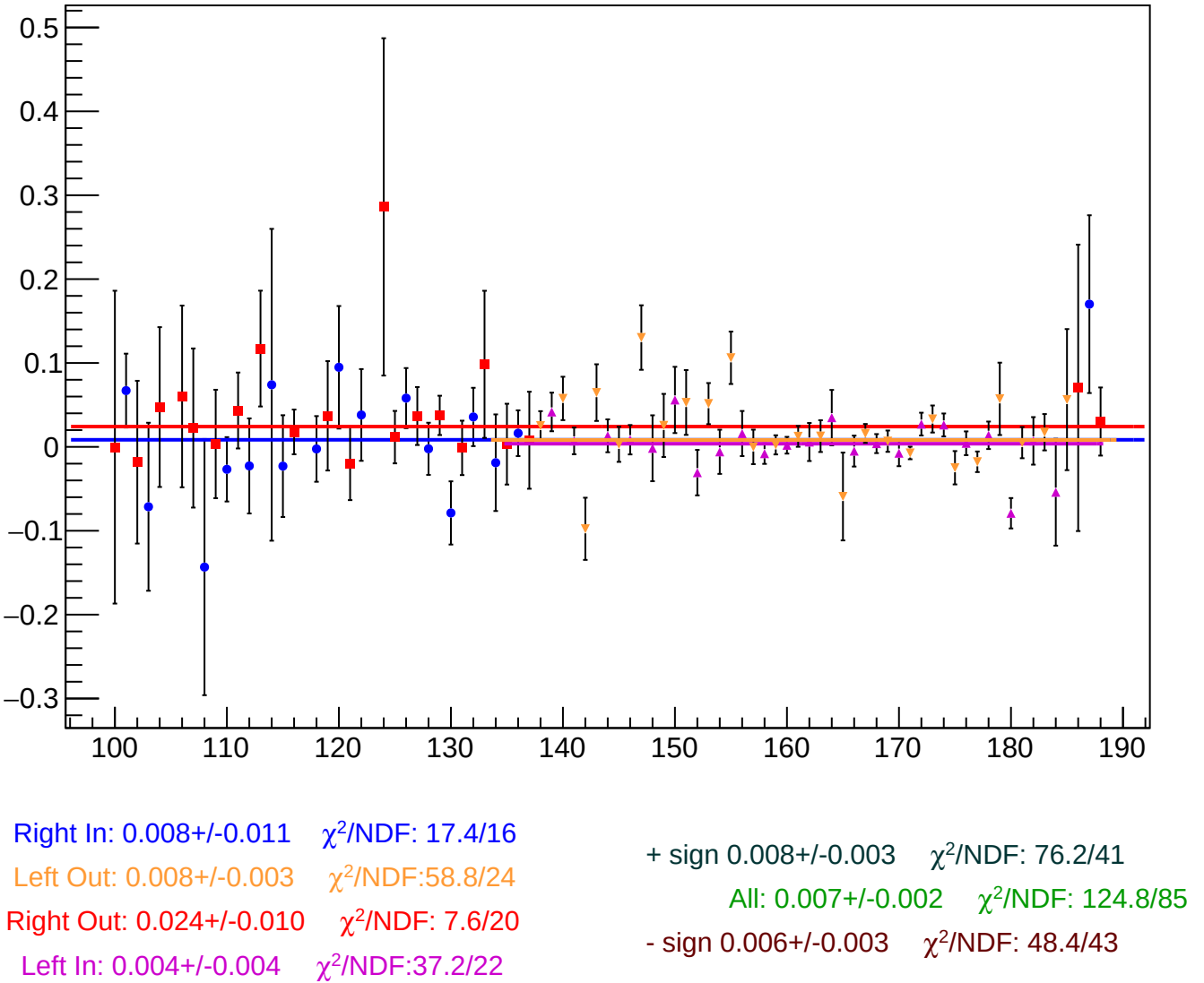
Right Out: 0.001+/-0.000 χ^2/NDF: 6823488.5/20

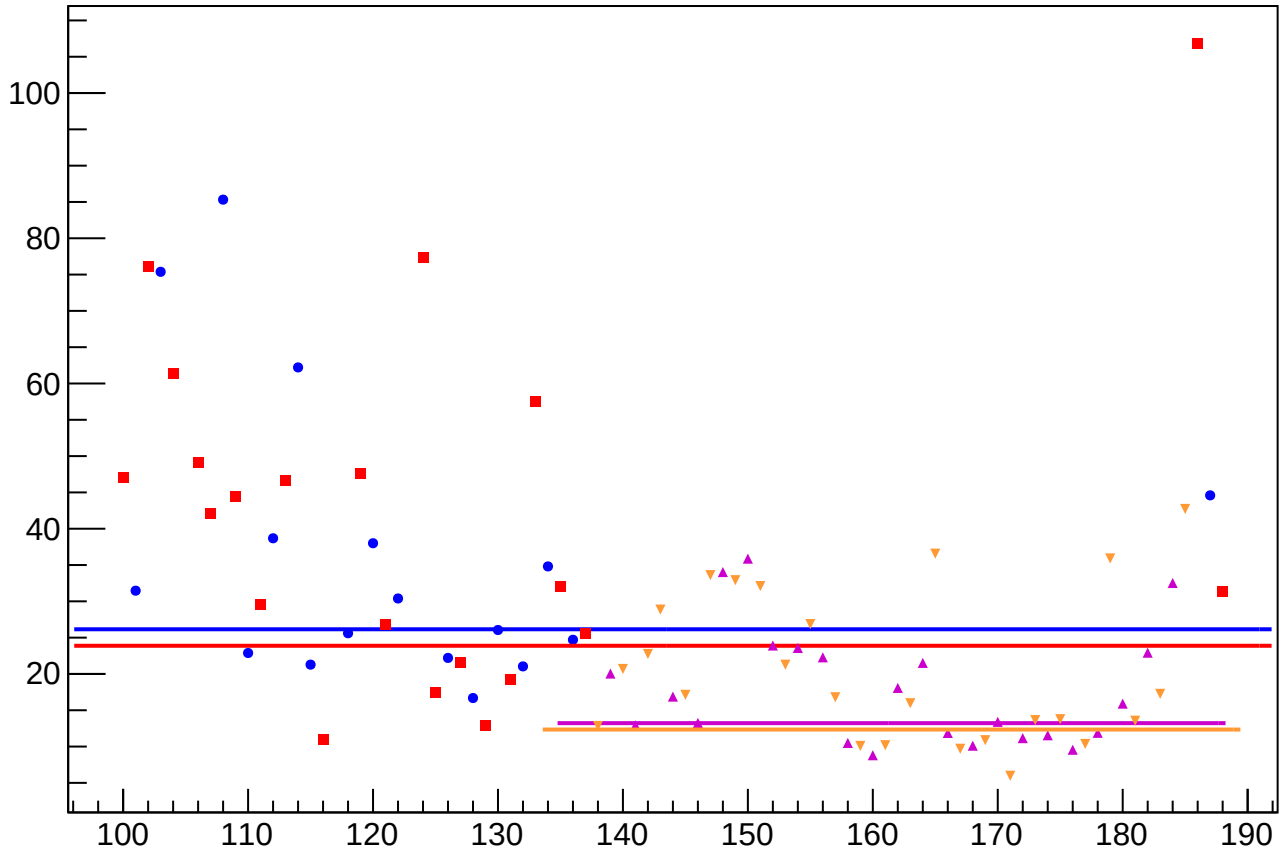
Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 22199161.3/41

All: 0.000+/-0.000 χ^2/NDF: 40940369.3/85

- sign 0.000+/-0.000 χ^2/NDF: 18637282.6/43


asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.011 χ²/NDF: 17.4/16
Left Out: 0.008+/-0.003 χ²/NDF:58.8/24
Right Out: 0.024+/-0.010 χ²/NDF: 7.6/20
Left In: 0.004+/-0.004 χ²/NDF:37.2/22
+ sign 0.008+/-0.003 χ²/NDF: 76.2/41
All: 0.007+/-0.002 χ²/NDF: 124.8/85
- sign 0.006+/-0.003 χ²/NDF: 48.4/43



Right In: 26.152+/-0.008 χ^2/NDF: 1442832.6/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

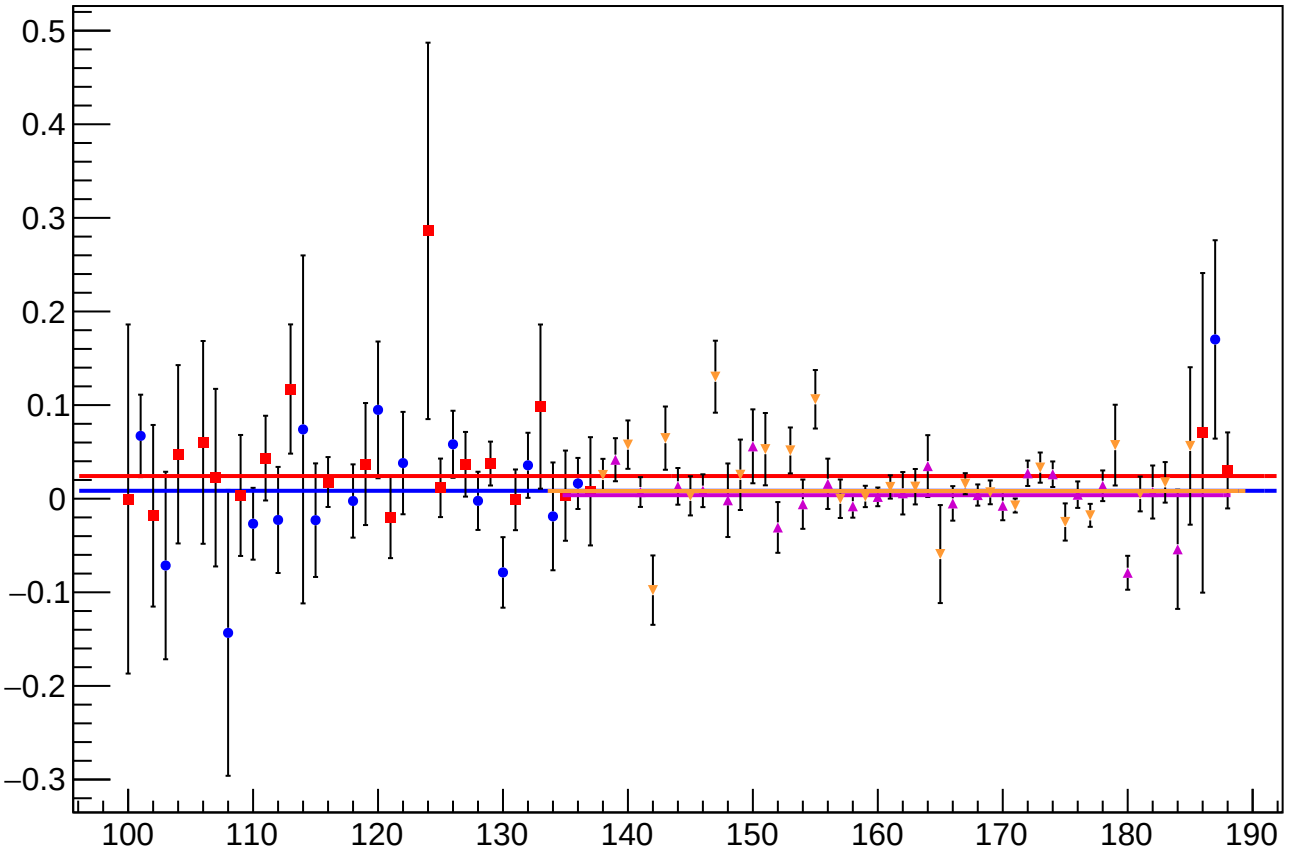
Right Out: 23.881+/-0.007 χ^2/NDF: 3912876.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.574+/-0.002 χ^2/NDF: 11037032.2/41

All: 13.989+/-0.002 χ^2/NDF: 20840282.8/85

- sign 14.436+/-0.002 χ^2/NDF: 9737489.9/43



Right In: 0.008+/-0.011 χ^2/NDF: 17.4/16

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

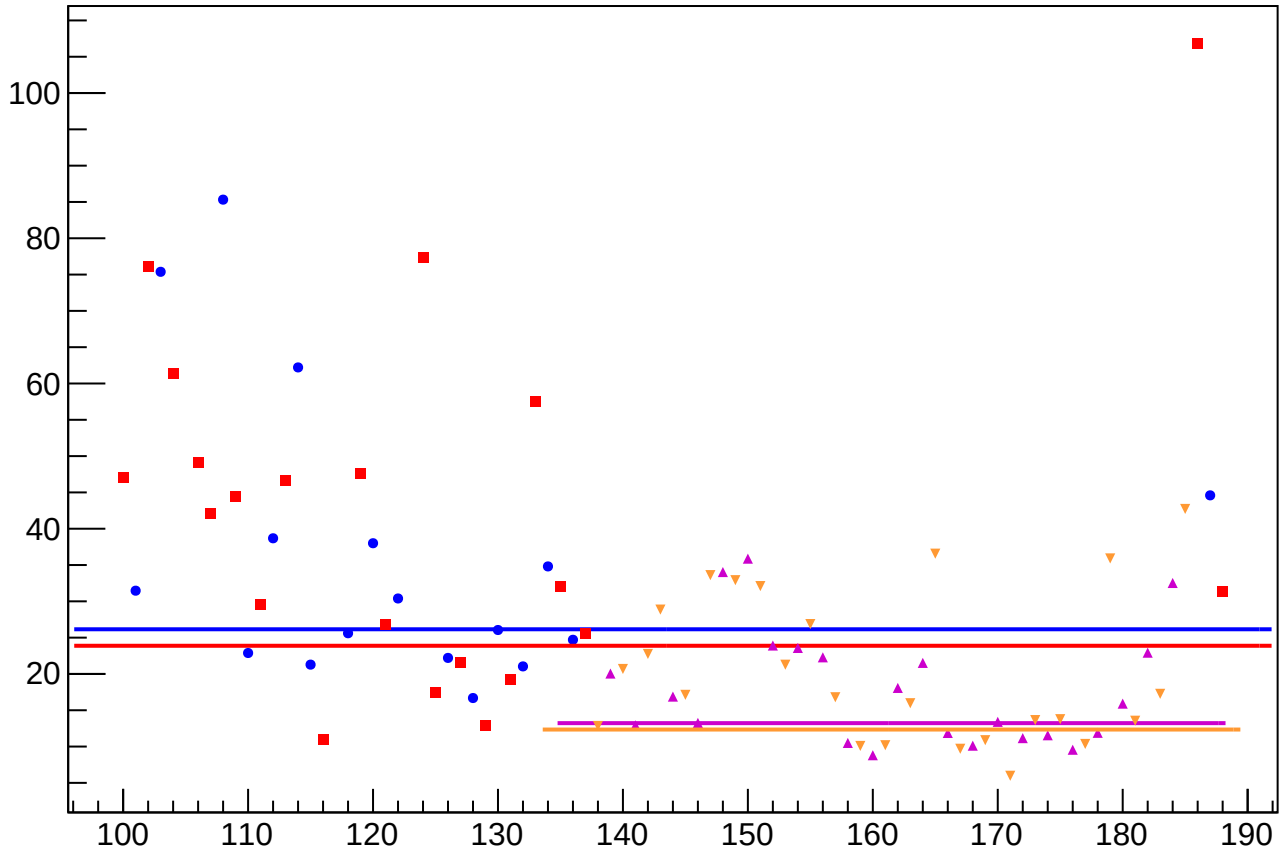
Right Out: 0.024+/-0.010 χ^2/NDF: 7.6/20

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 76.2/41

All: 0.007+/-0.002 χ^2/NDF: 124.8/85

- sign 0.006+/-0.003 χ^2/NDF: 48.4/43



Right In: 26.152+/-0.008 χ^2/NDF: 1442832.6/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

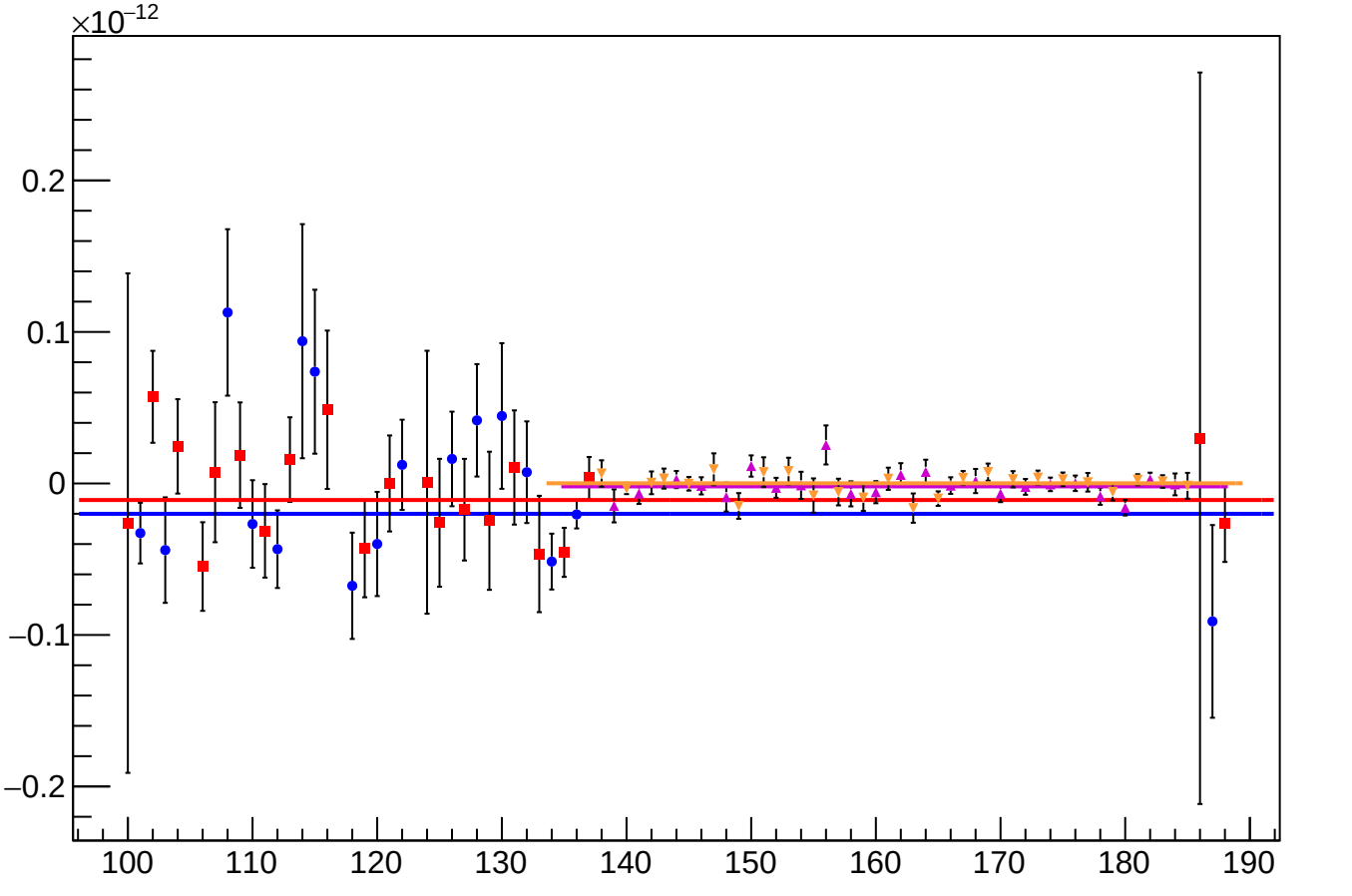
Right Out: 23.881+/-0.007 χ^2/NDF: 3912876.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.574+/-0.002 χ^2/NDF: 11037032.2/41

All: 13.989+/-0.002 χ^2/NDF: 20840282.8/85

- sign 14.436+/-0.002 χ^2/NDF: 9737489.9/43



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

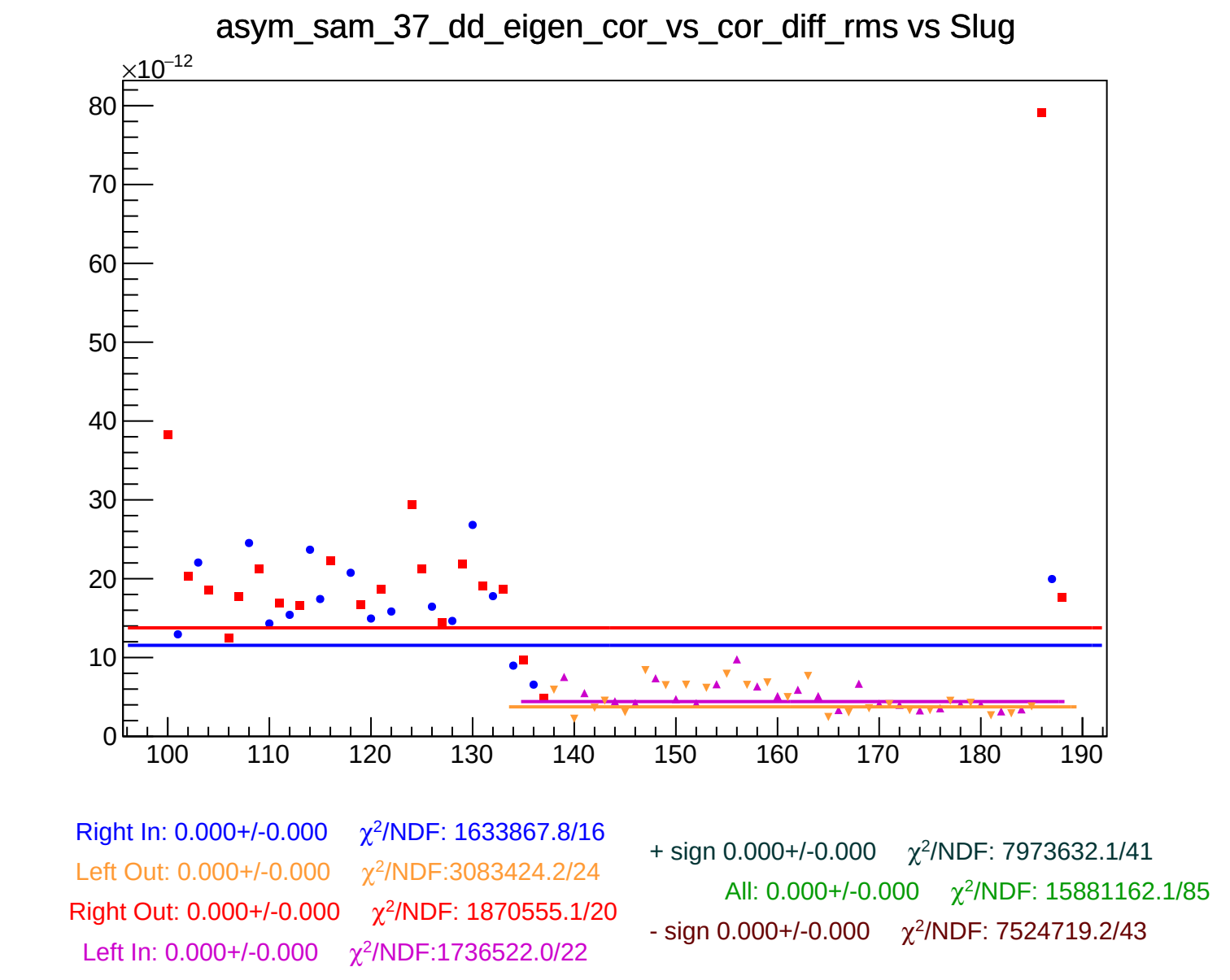
Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/20

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

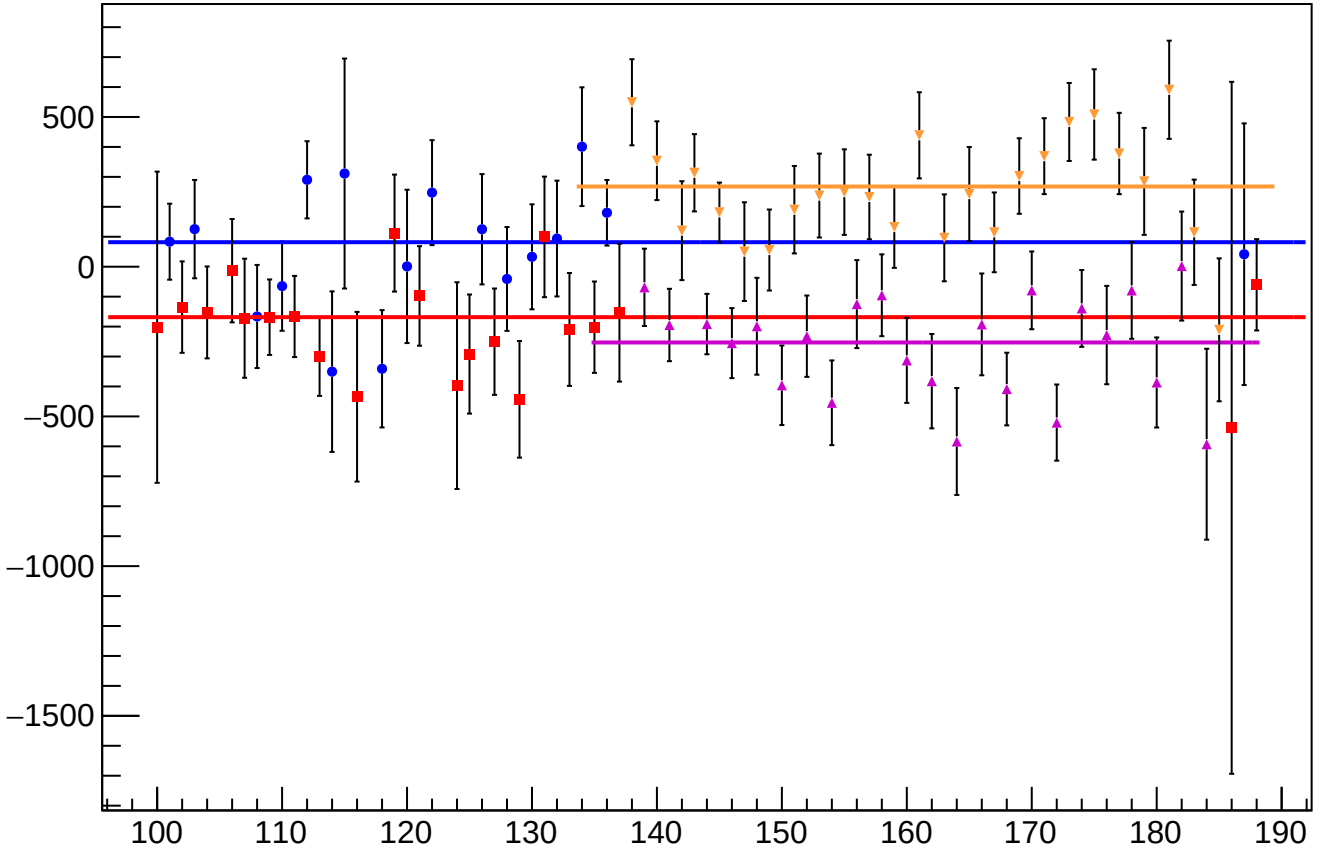
+ sign -0.000+/-0.000 χ^2/NDF: 59.3/41

All: -0.000+/-0.000 χ^2/NDF: 108.2/85

- sign -0.000+/-0.000 χ^2/NDF: 48.0/43


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1633867.8/16
Left Out: 0.000+/-0.000 χ²/NDF:3083424.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 1870555.1/20
Left In: 0.000+/-0.000 χ²/NDF:1736522.0/22
+ sign 0.000+/-0.000 χ²/NDF: 7973632.1/41
All: 0.000+/-0.000 χ²/NDF: 15881162.1/85
- sign 0.000+/-0.000 χ²/NDF: 7524719.2/43

reg_asym_sam_48_dd_mean vs Slug



Right In: 81.823+/-41.939 χ^2/NDF: 18.4/16

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -168.503+/-39.277 χ^2/NDF: 10.5/20

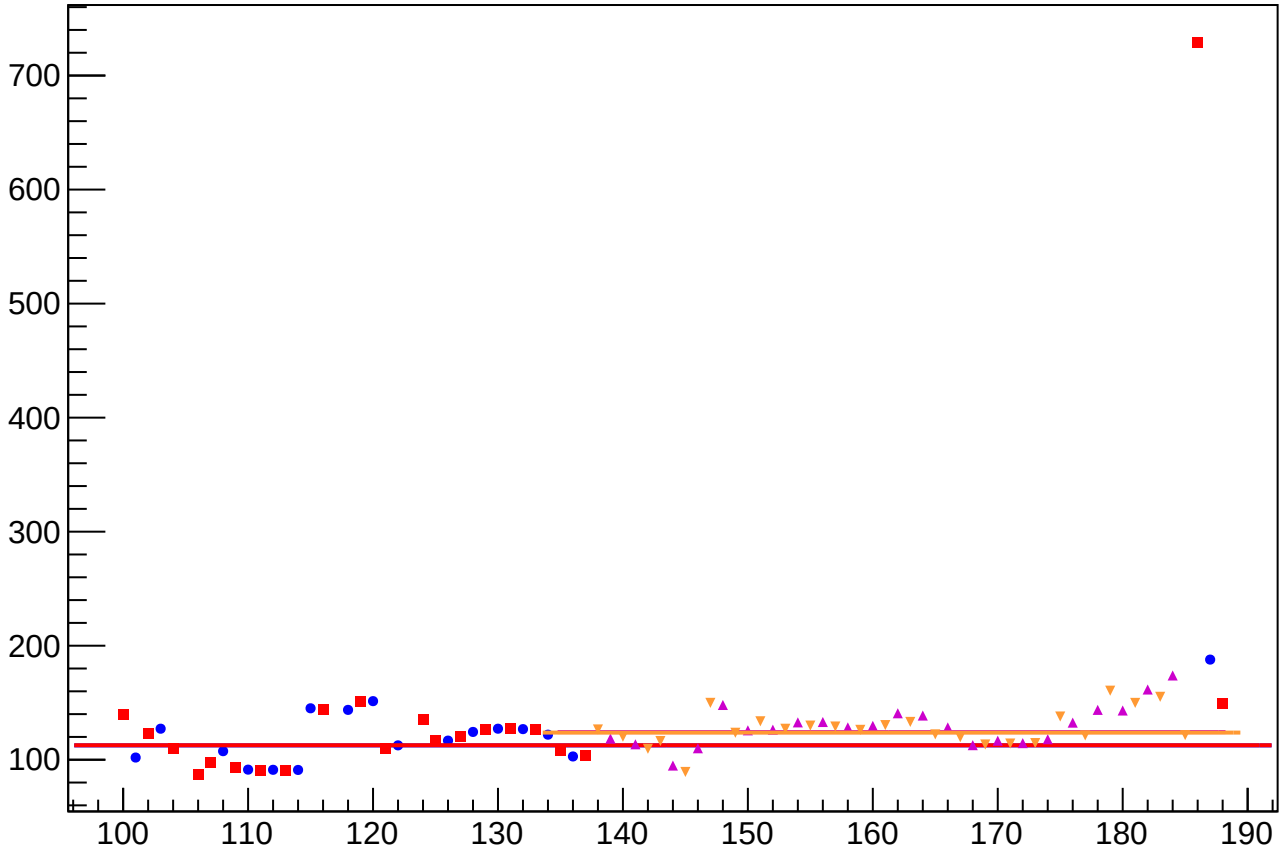
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 209.296+/-23.520 χ^2/NDF: 62.9/41

All: -7.010+/-16.621 χ^2/NDF: 271.5/85

- sign -222.803+/-23.492 χ^2/NDF: 39.7/43

reg_asym_sam_48_dd_rms vs Slug



Right In: 112.562+/-0.030 χ^2/NDF: 365900.2/16

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 112.704+/-0.028 χ^2/NDF: 1064565.8/20

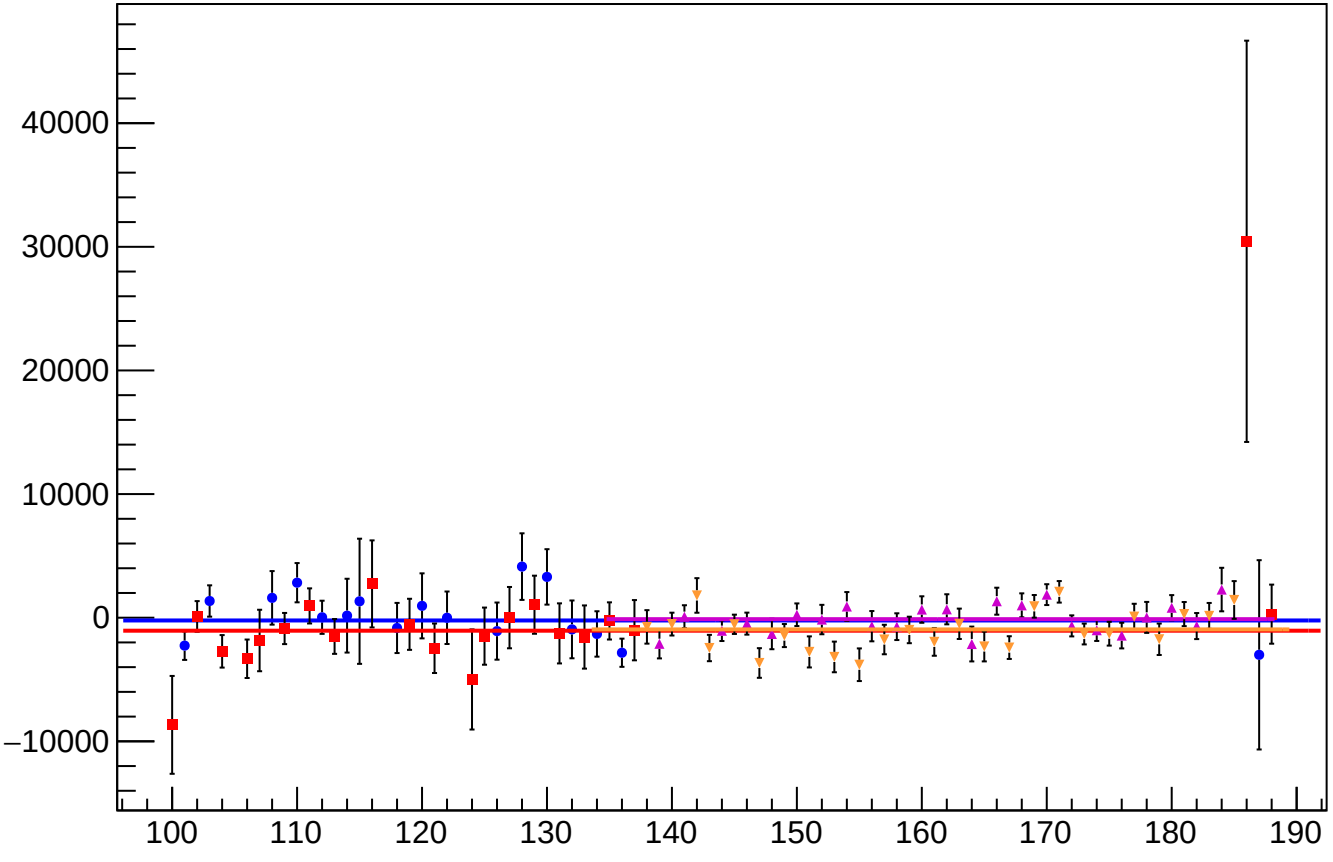
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.270+/-0.017 χ^2/NDF: 1062920.6/41

All: 120.198+/-0.012 χ^2/NDF: 2795920.9/85

- sign 120.125+/-0.017 χ^2/NDF: 1732962.0/43

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -223.534+/-443.217 χ^2/NDF: 20.6/16

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1051.375+/-416.425 χ^2/NDF: 18.6/20

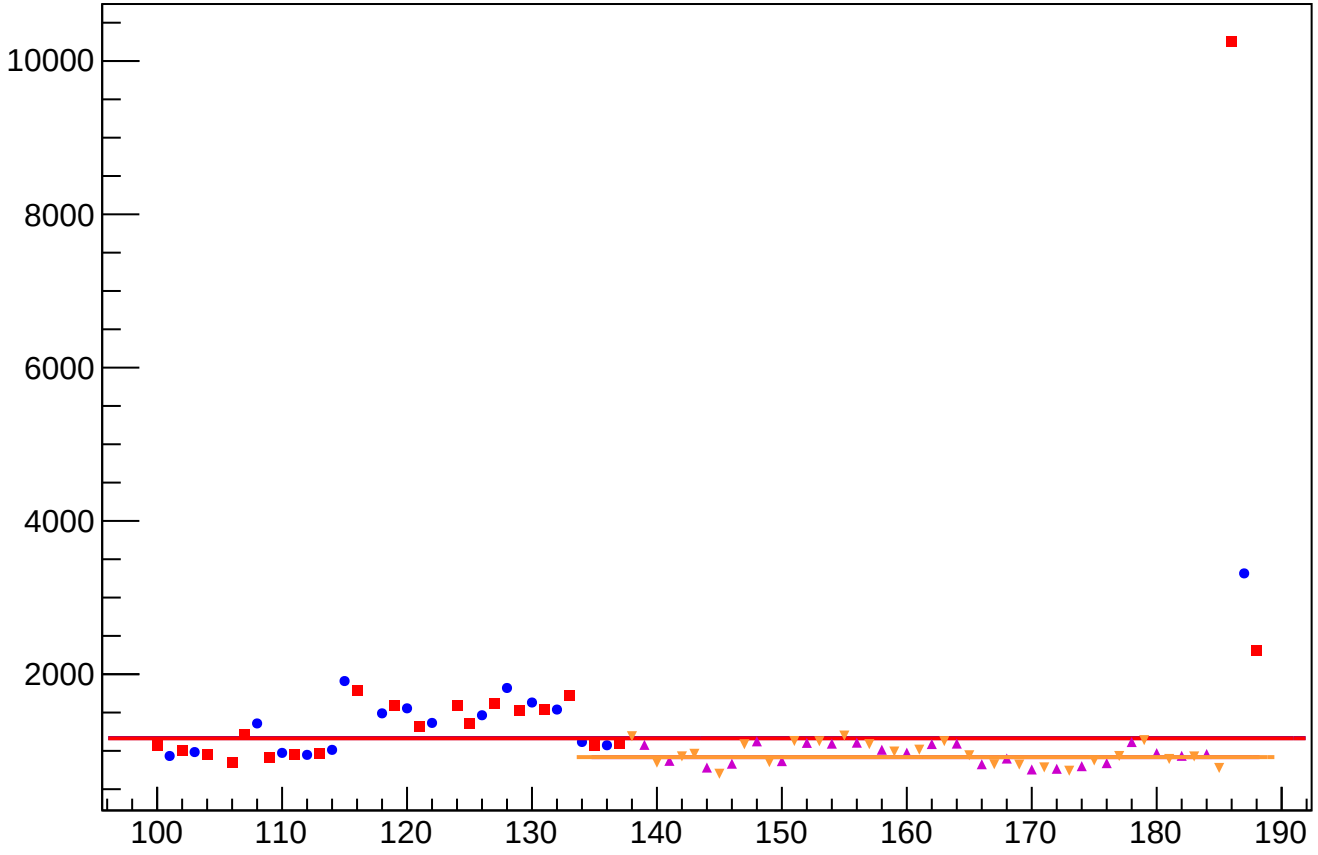
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -813.097+/-191.096 χ^2/NDF: 73.0/41

All: -567.384+/-135.638 χ^2/NDF: 123.3/85

- sign -317.907+/-192.555 χ^2/NDF: 47.0/43

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1166.792+/-0.313 χ^2/NDF: 841737.4/16

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1163.854+/-0.294 χ^2/NDF: 1889801.0/20

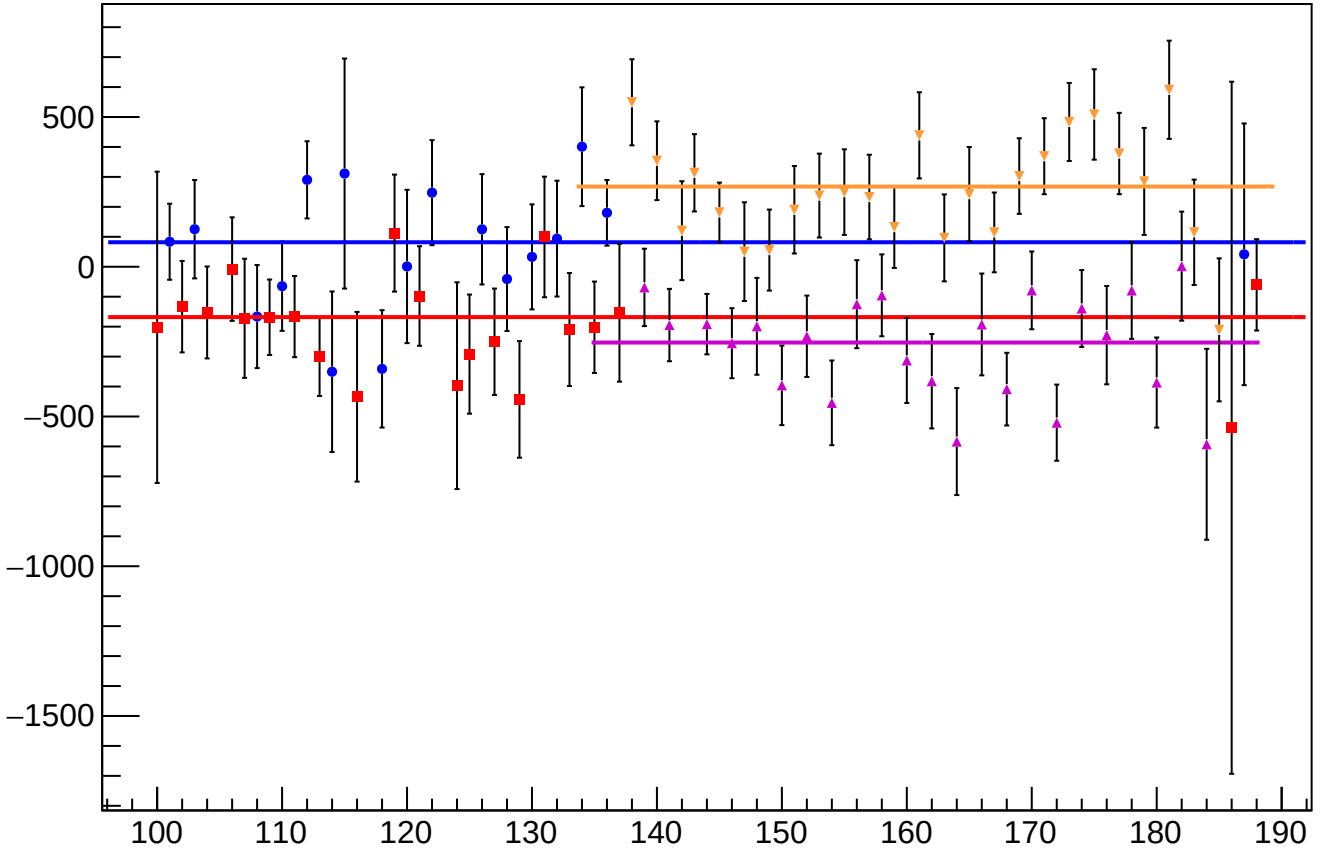
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 964.658+/-0.135 χ^2/NDF: 2240527.0/41

All: 967.673+/-0.096 χ^2/NDF: 5344709.6/85

- sign 970.735+/-0.136 χ^2/NDF: 3103178.9/43

cor_asym_sam_48_dd_mean vs Slug



Right In: 81.811+/-41.939 χ^2/NDF: 18.4/16

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -168.133+/-39.282 χ^2/NDF: 10.6/20

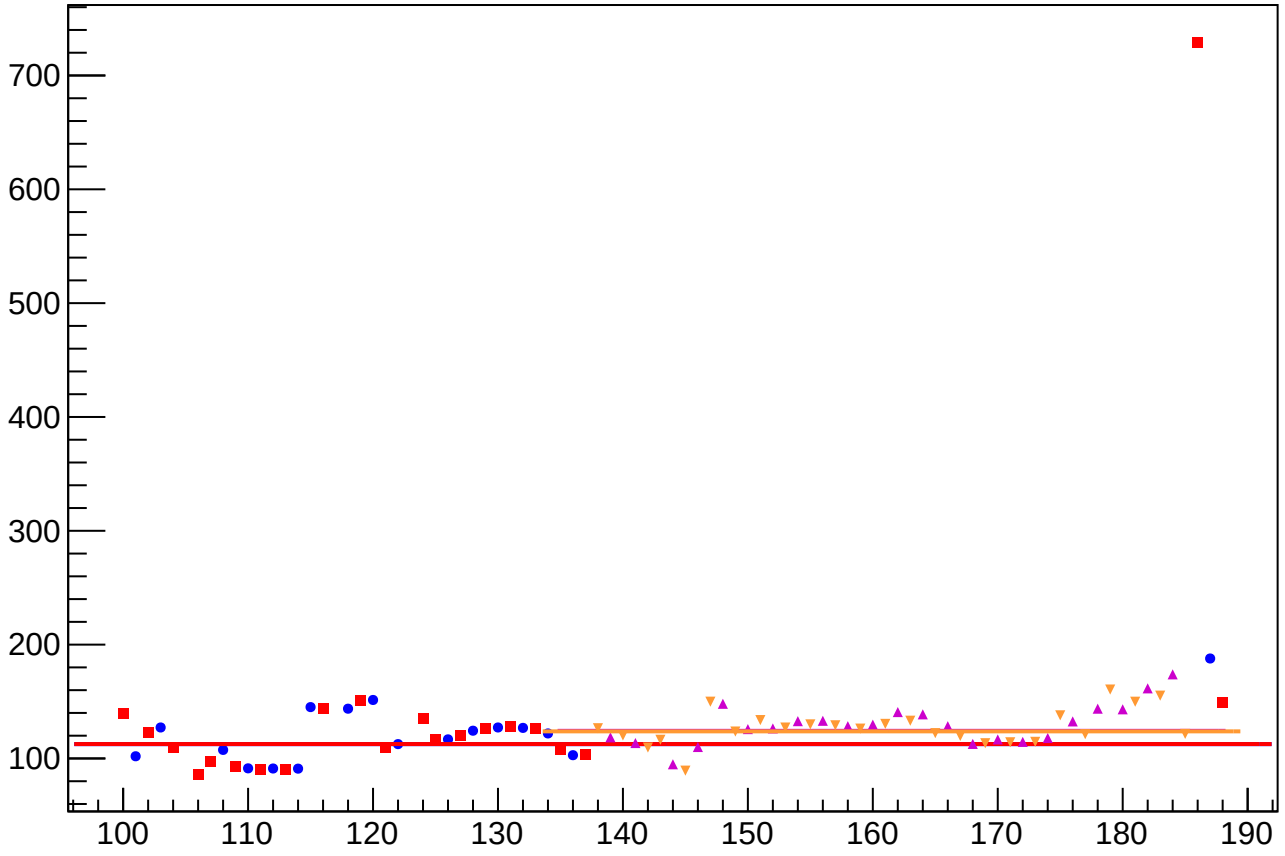
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 209.298+/-23.520 χ^2/NDF: 62.9/41

All: -6.937+/-16.621 χ^2/NDF: 271.5/85

- sign -222.678+/-23.493 χ^2/NDF: 39.7/43

cor_asym_sam_48_dd_rms vs Slug



Right In: 112.562+/-0.030 χ^2/NDF: 365901.3/16

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

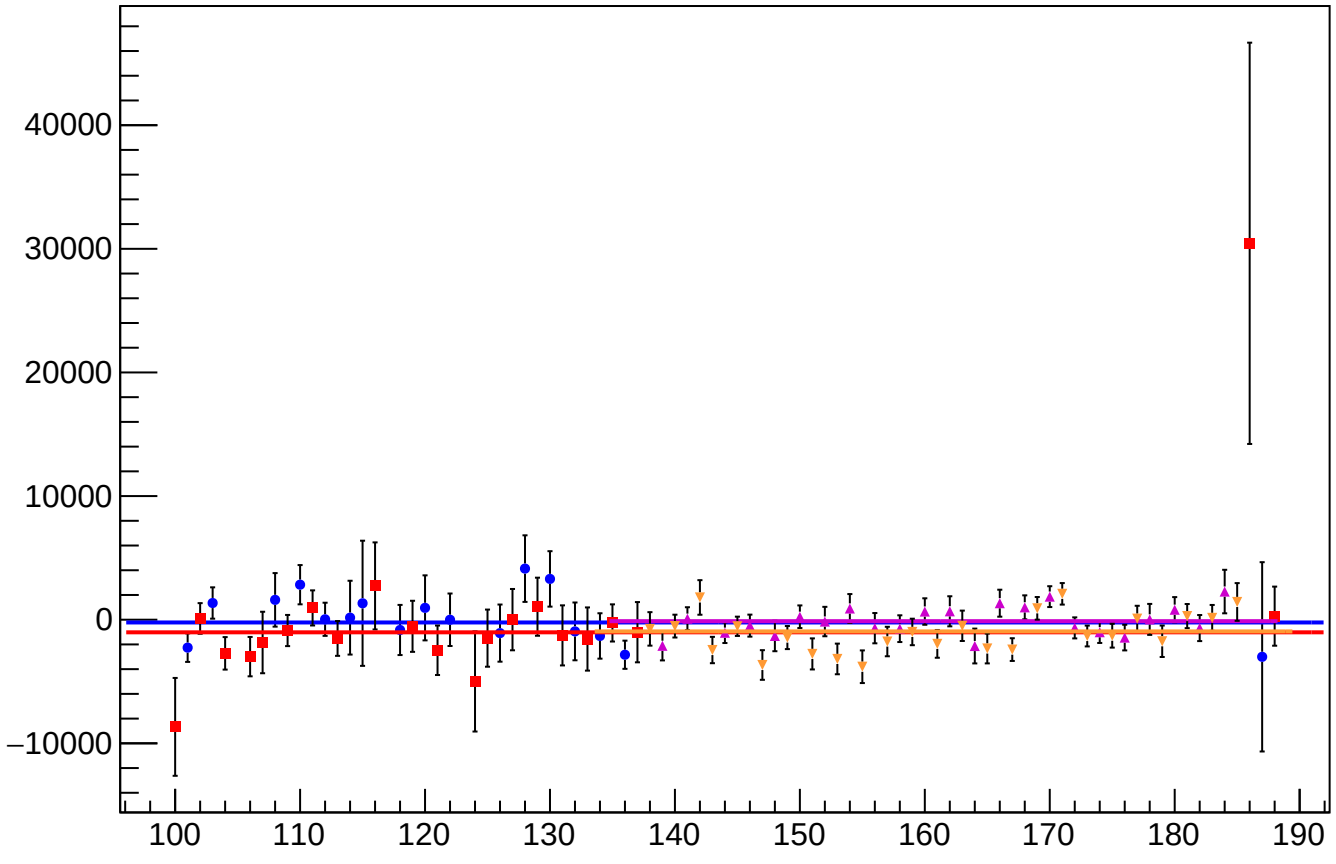
Right Out: 112.652+/-0.028 χ^2/NDF: 1068510.4/20

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.271+/-0.017 χ^2/NDF: 1062921.2/41

All: 120.189+/-0.012 χ^2/NDF: 2800850.8/85

- sign 120.107+/-0.017 χ^2/NDF: 1737881.5/43



Right In: -223.625+/-443.221 χ^2/NDF: 20.6/16

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1021.360+/-417.127 χ^2/NDF: 18.0/20

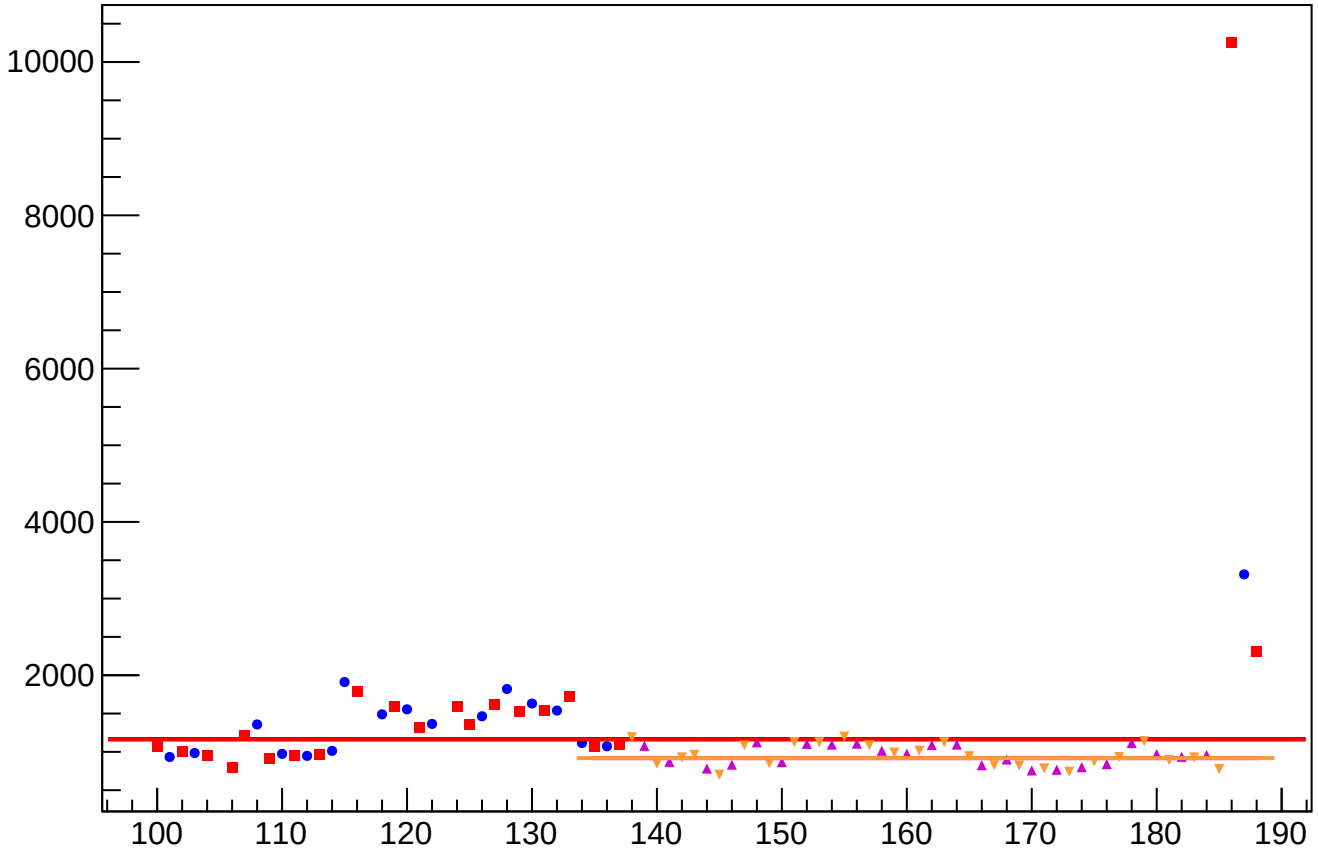
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -813.106+/-191.097 χ^2/NDF: 73.0/41

All: -564.042+/-135.662 χ^2/NDF: 122.5/85

- sign -310.981+/-192.624 χ^2/NDF: 46.1/43

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1166.801+/-0.313 χ^2/NDF: 841704.6/16

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1161.480+/-0.295 χ^2/NDF: 1913058.4/20

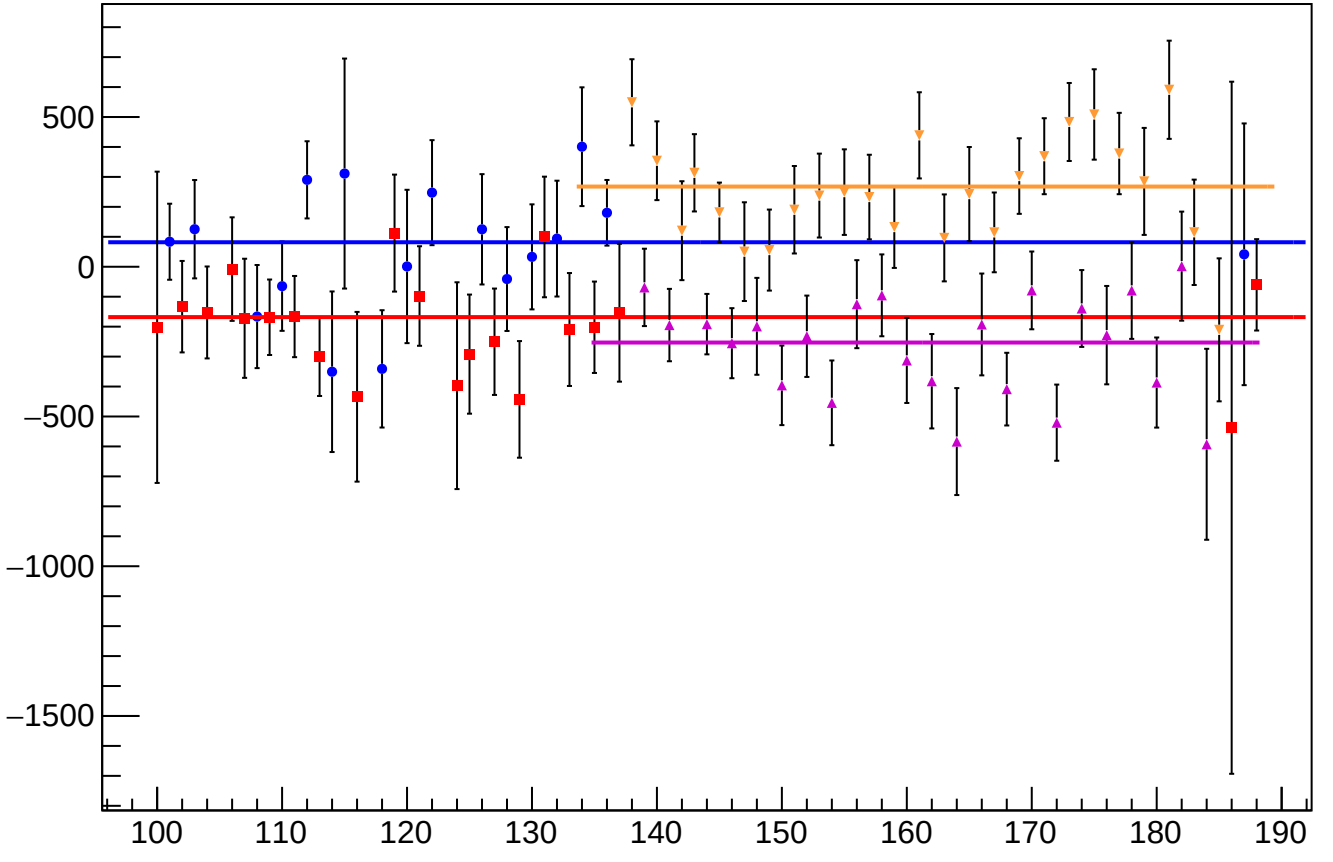
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 964.659+/-0.135 χ^2/NDF: 2240527.6/41

All: 967.353+/-0.096 χ^2/NDF: 5355825.5/85

- sign 970.090+/-0.136 χ^2/NDF: 3114496.6/43

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 81.811+/-41.939 χ^2/NDF: 18.4/16

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -168.133+/-39.282 χ^2/NDF: 10.6/20

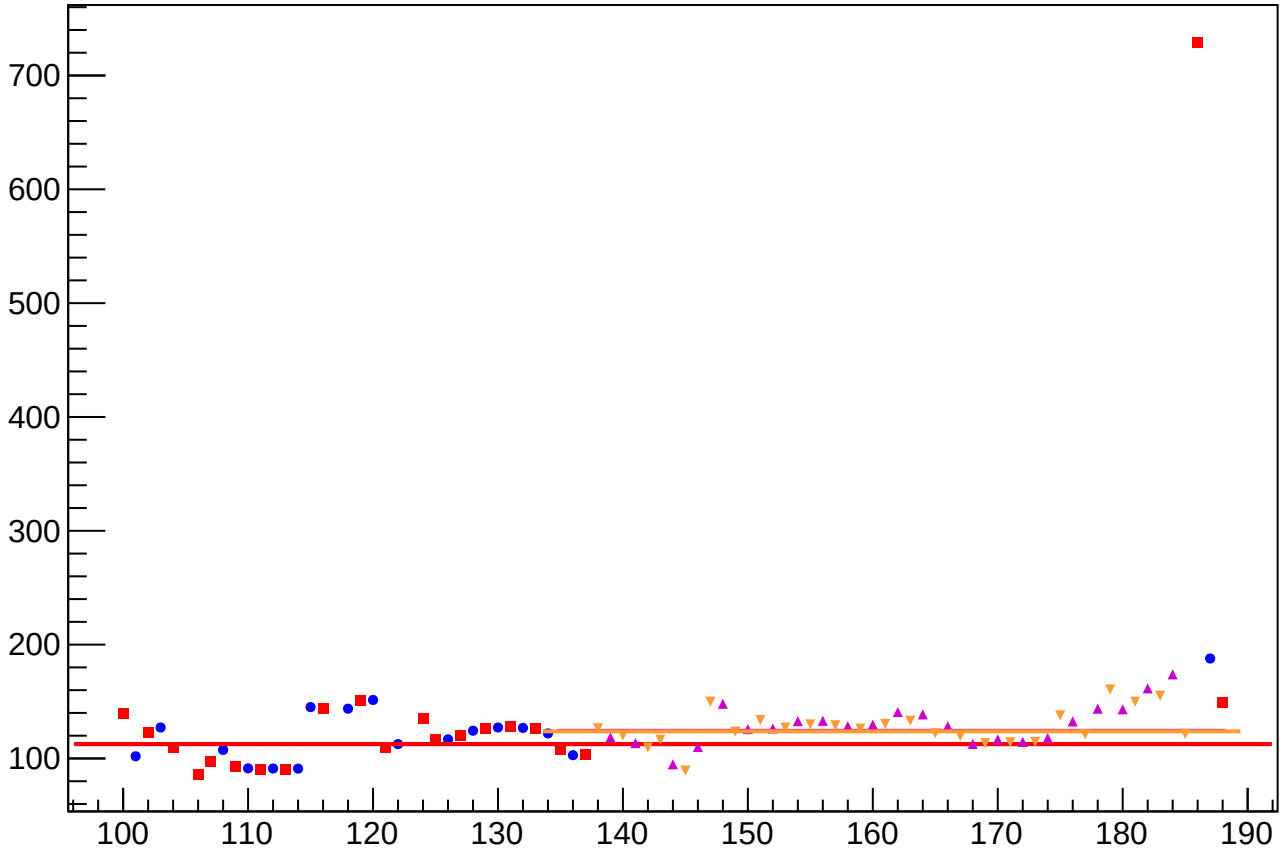
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 209.298+/-23.520 χ^2/NDF: 62.9/41

All: -6.937+/-16.621 χ^2/NDF: 271.5/85

- sign -222.678+/-23.493 χ^2/NDF: 39.7/43

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 112.562+/-0.030 χ^2/NDF: 365901.3/16

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

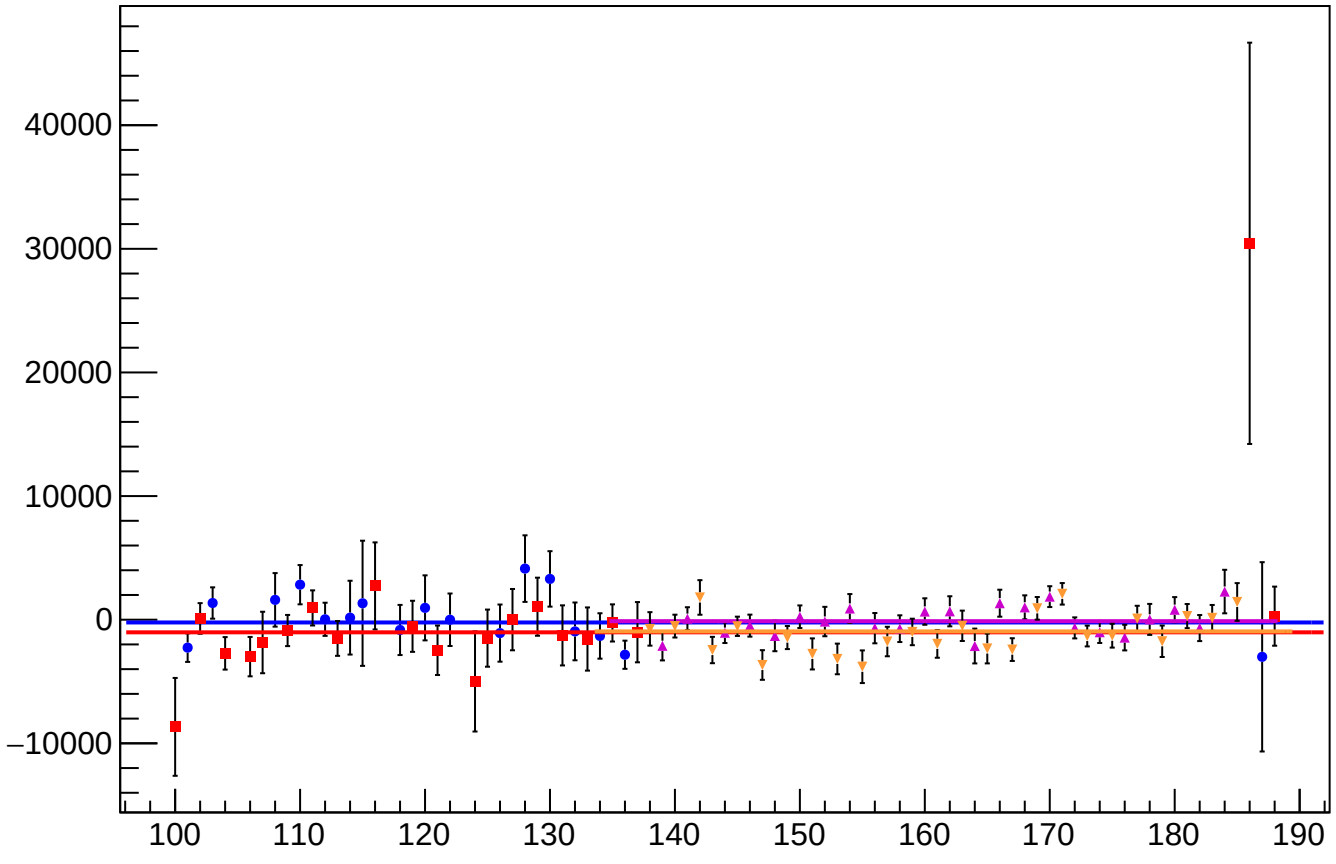
Right Out: 112.652+/-0.028 χ^2/NDF: 1068510.4/20

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.271+/-0.017 χ^2/NDF: 1062921.2/41

All: 120.189+/-0.012 χ^2/NDF: 2800850.8/85

- sign 120.107+/-0.017 χ^2/NDF: 1737881.5/43



Right In: -223.625+/-443.221 χ^2/NDF: 20.6/16

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1021.360+/-417.127 χ^2/NDF: 18.0/20

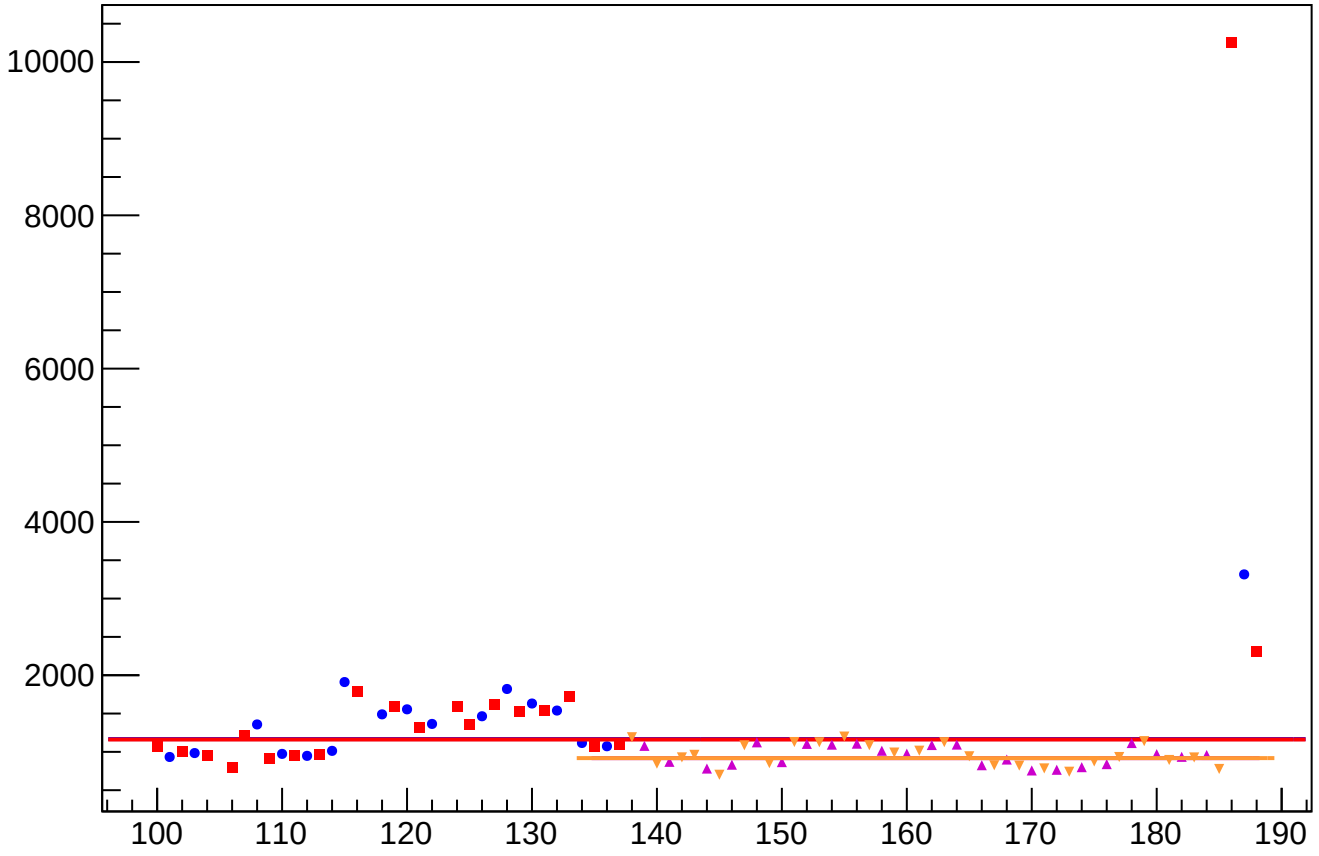
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

\+ sign -813.106+/-191.097 χ^2/NDF: 73.0/41

All: -564.042+/-135.662 χ^2/NDF: 122.5/85

\- sign -310.981+/-192.624 χ^2/NDF: 46.1/43

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1166.801+/-0.313 χ^2/NDF: 841704.6/16

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1161.480+/-0.295 χ^2/NDF: 1913058.4/20

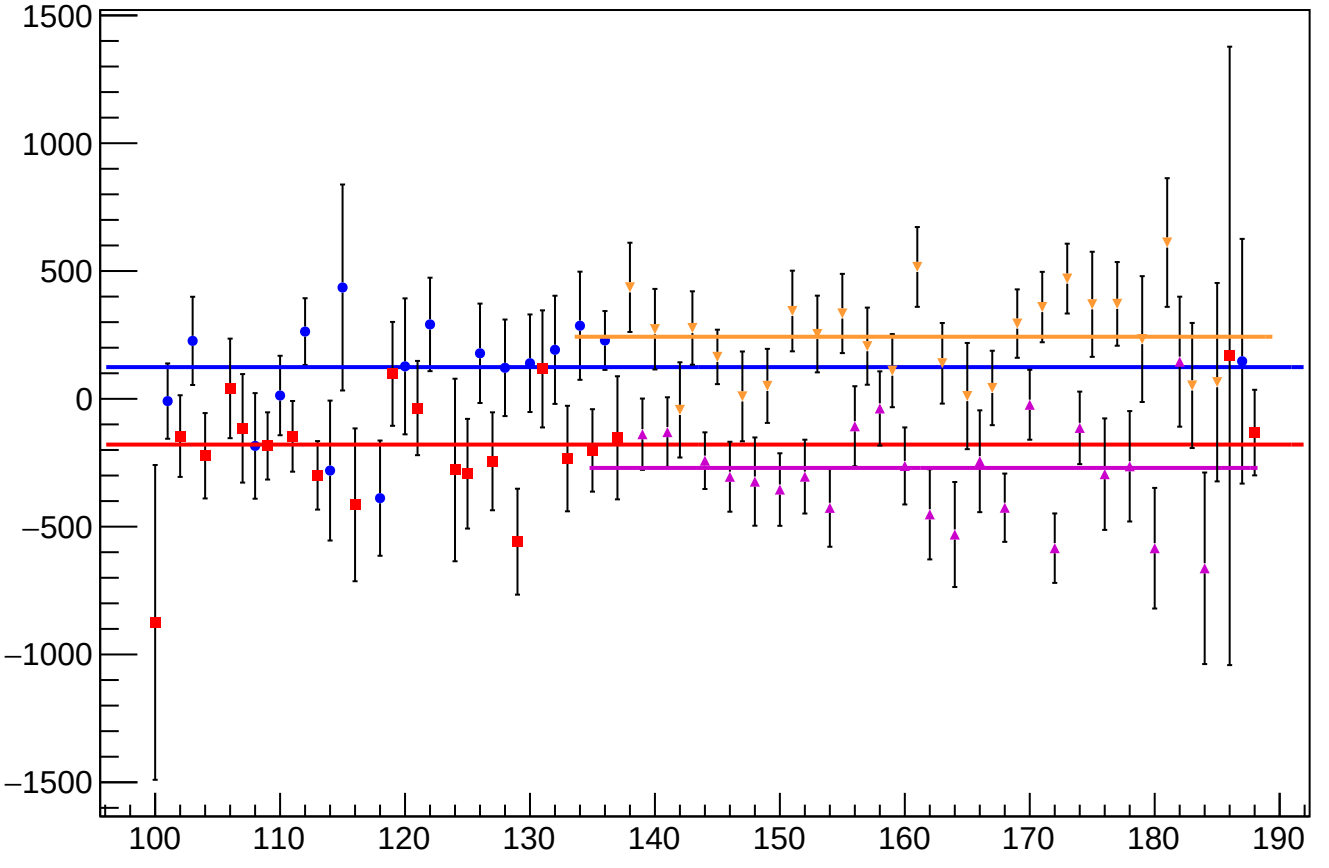
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 964.659+/-0.135 χ^2/NDF: 2240527.6/41

All: 967.353+/-0.096 χ^2/NDF: 5355825.5/85

- sign 970.090+/-0.136 χ^2/NDF: 3114496.6/43

dit_asym_sam_48_dd_mean vs Slug



Right In: 124.098+/-45.037 χ^2/NDF: 15.4/16

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -178.896+/-41.826 χ^2/NDF: 12.5/20

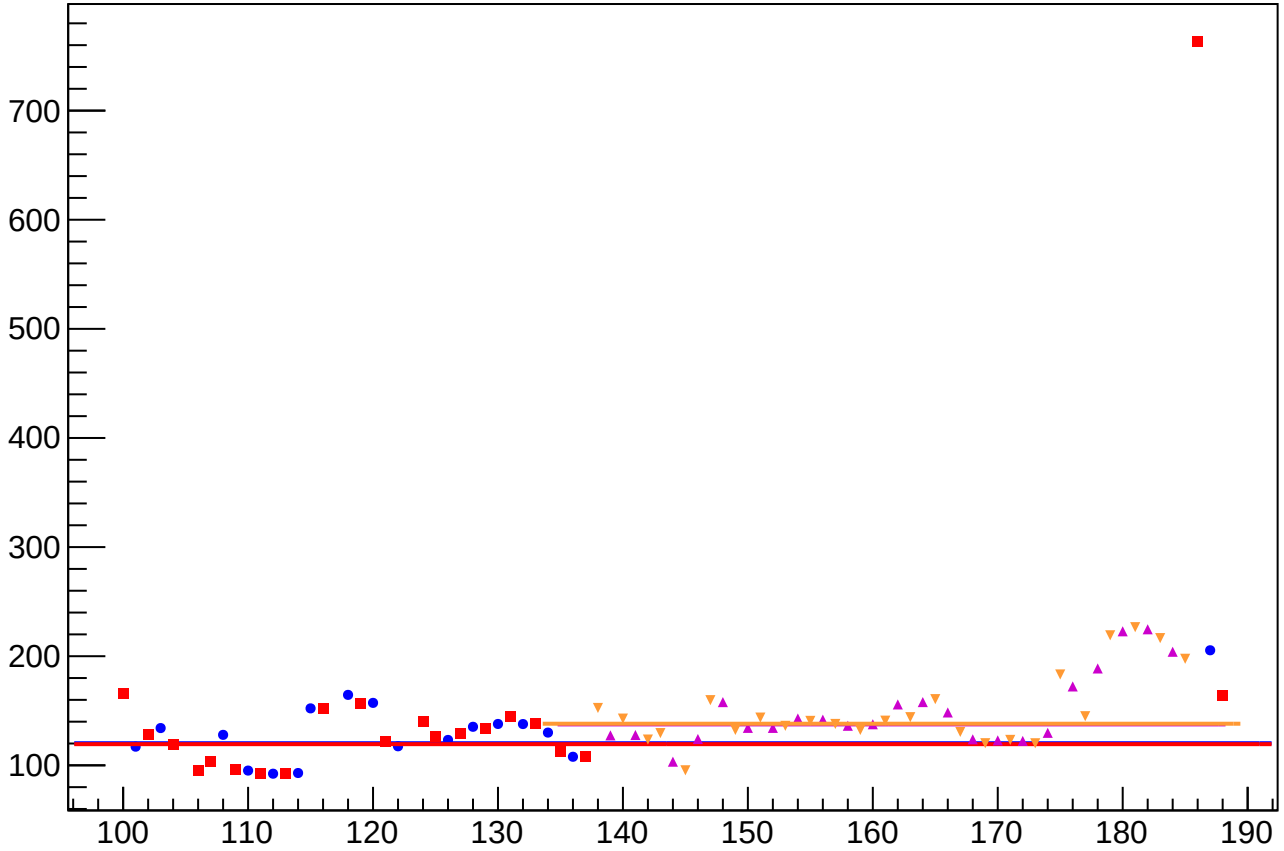
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 202.809+/-26.161 χ^2/NDF: 43.7/41

All: -18.834+/-18.390 χ^2/NDF: 227.7/85

- sign -235.337+/-25.856 χ^2/NDF: 42.1/43

dit_asym_sam_48_dd_rms vs Slug



Right In: 120.256+/-0.032 χ^2/NDF: 444170.4/16

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

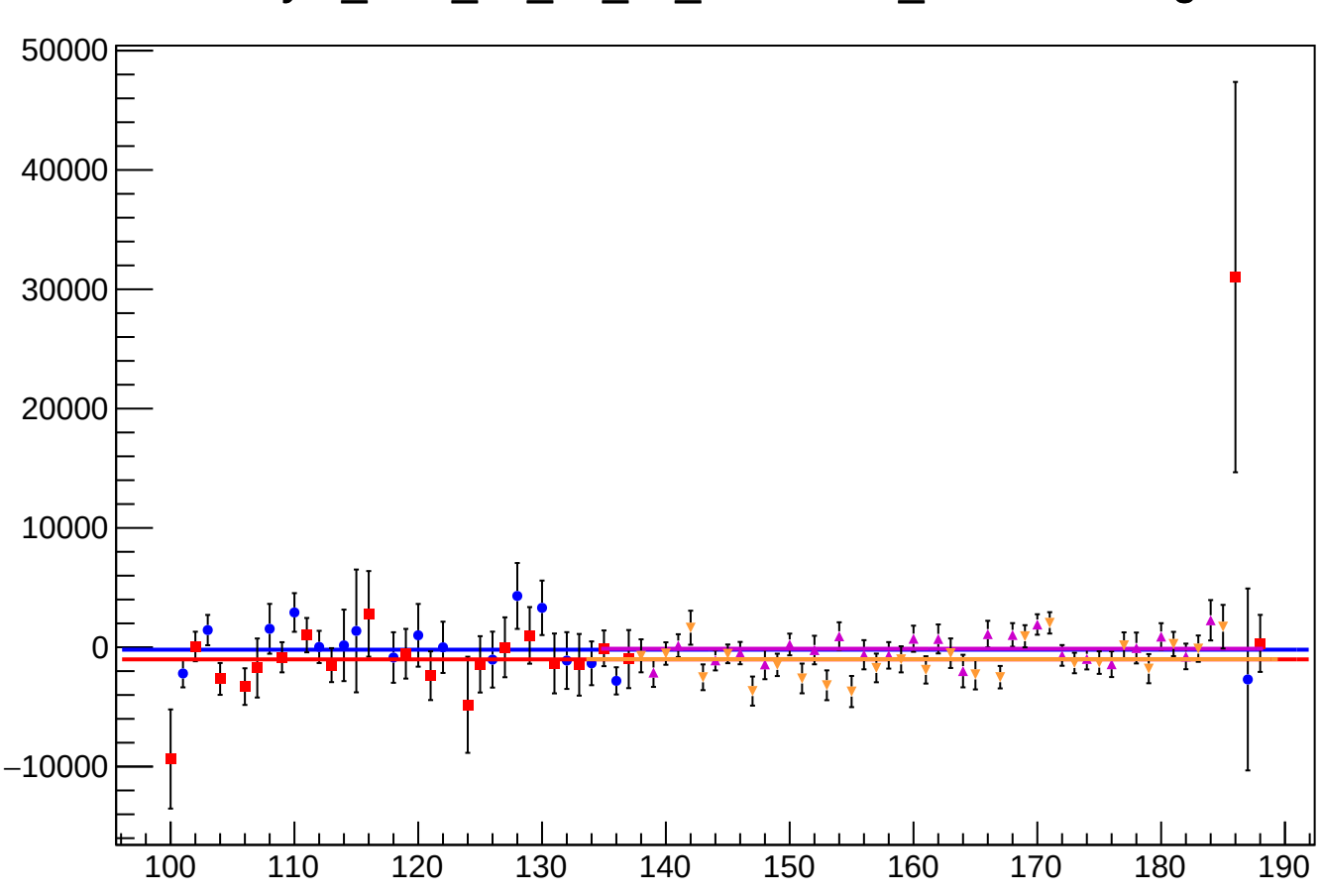
Right Out: 119.394+/-0.030 χ^2/NDF: 1148537.2/20

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 132.097+/-0.018 χ^2/NDF: 1991150.5/41

All: 131.328+/-0.013 χ^2/NDF: 4483777.1/85

- sign 130.576+/-0.018 χ^2/NDF: 2489204.7/43



Right In: -203.681+/-446.565 χ^2/NDF: 20.5/16

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1015.128+/-419.206 χ^2/NDF: 18.7/20

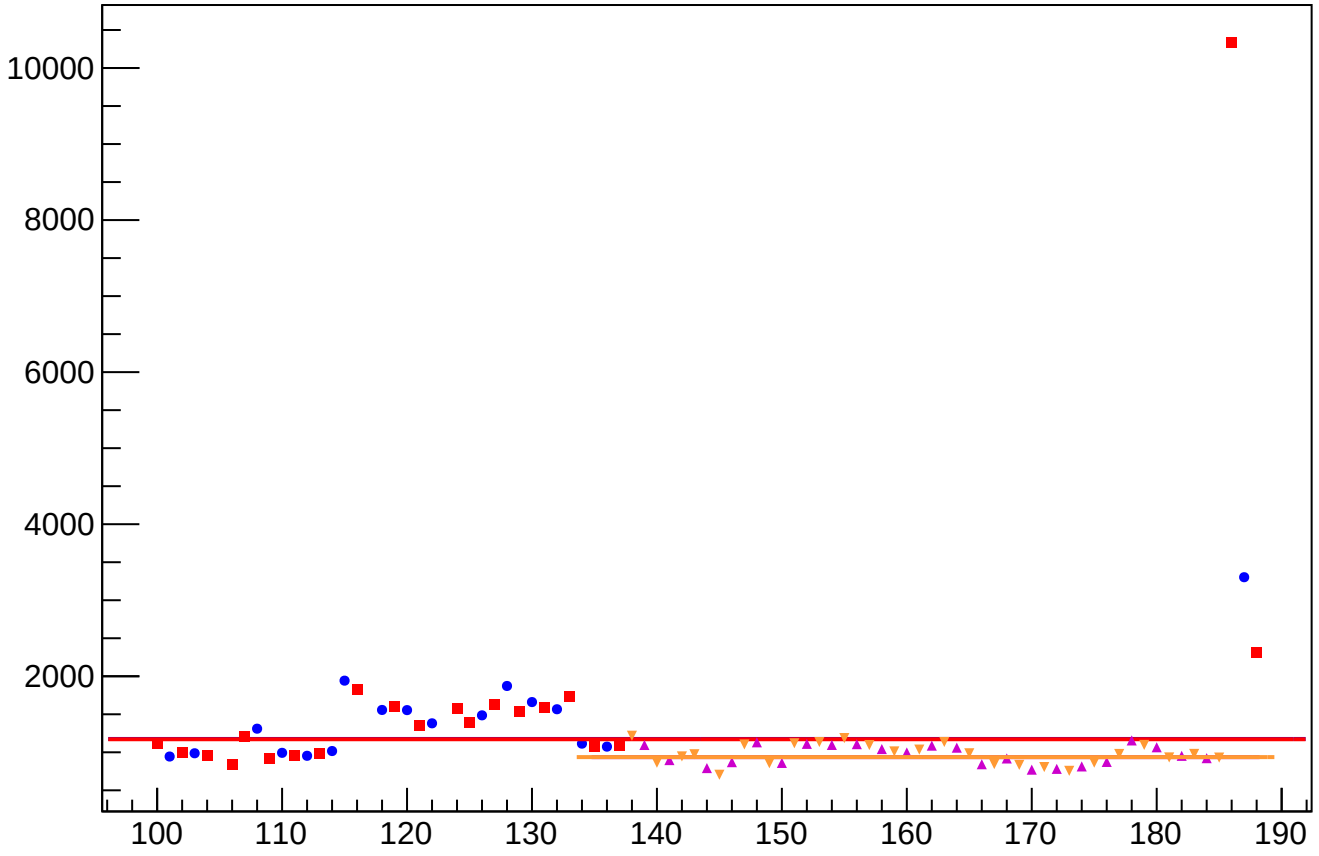
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

\+ sign -843.928+/-194.194 χ^2/NDF: 70.0/41

All: -583.548+/-137.863 χ^2/NDF: 119.7/85

\- sign -318.978+/-195.750 χ^2/NDF: 46.1/43

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1175.389+/-0.316 χ^2/NDF: 865670.3/16

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1171.763+/-0.296 χ^2/NDF: 1910501.5/20

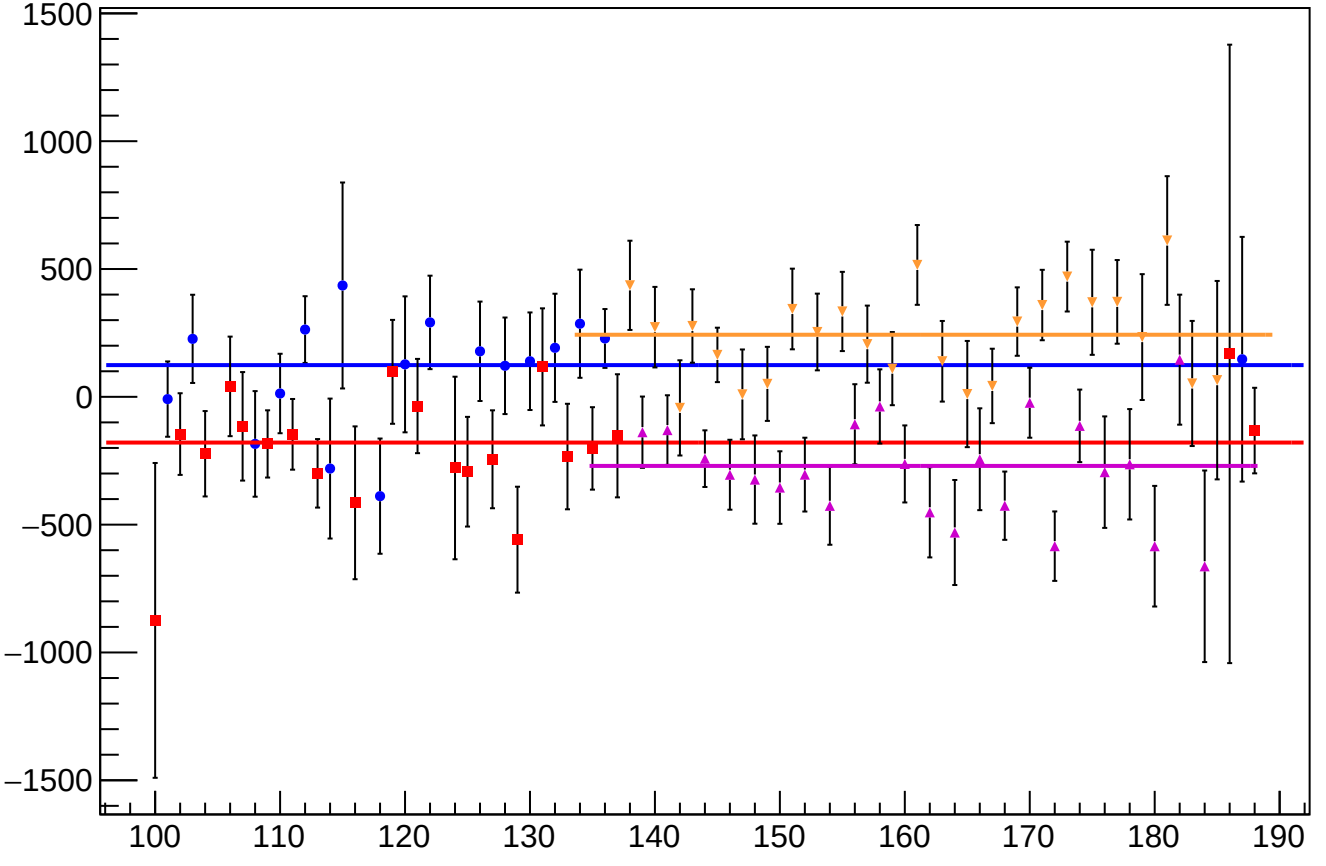
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 981.872+/-0.137 χ^2/NDF: 2161278.6/41

All: 984.765+/-0.097 χ^2/NDF: 5208488.2/85

- sign 987.705+/-0.138 χ^2/NDF: 3046314.7/43

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 124.100+/-45.037 χ^2/NDF: 15.4/16

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -178.897+/-41.826 χ^2/NDF: 12.5/20

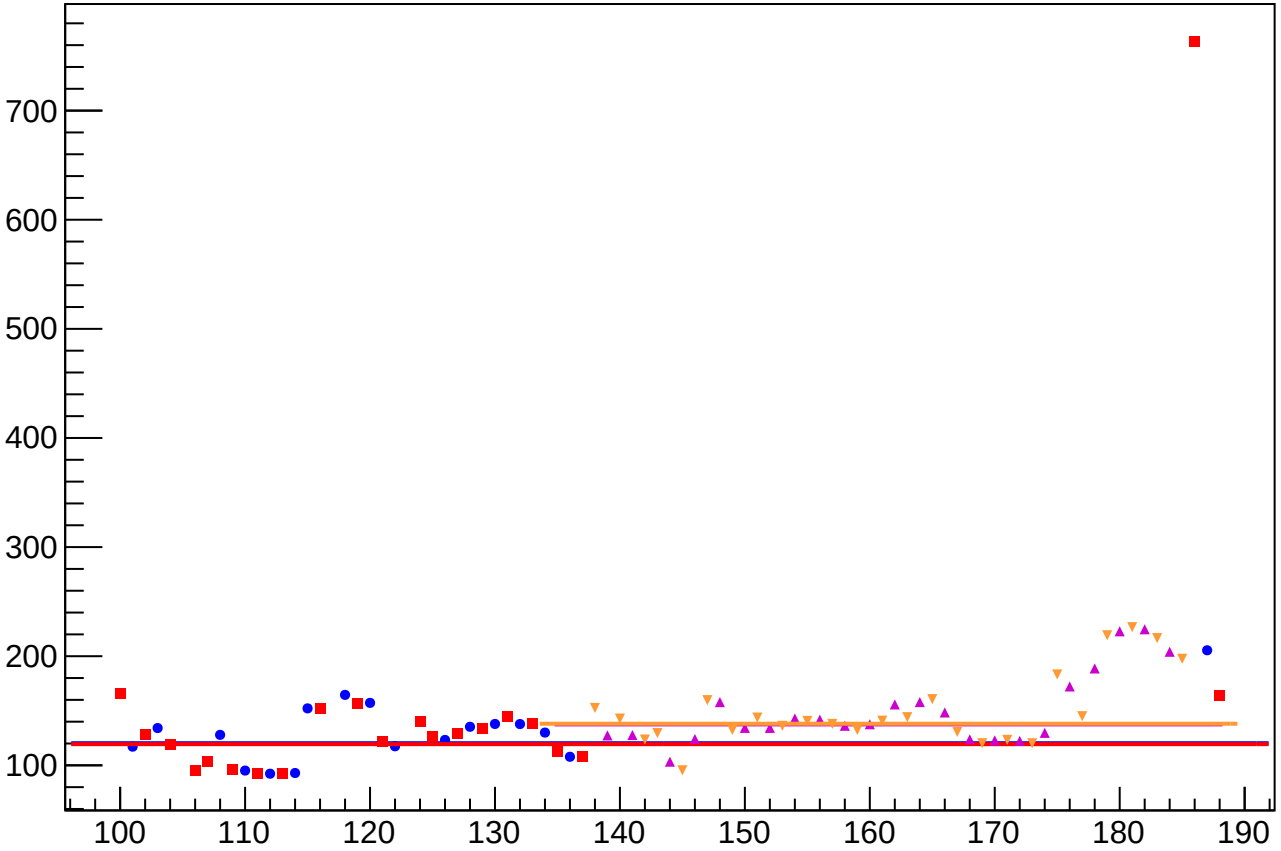
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 202.811+/-26.161 χ^2/NDF: 43.7/41

All: -18.834+/-18.390 χ^2/NDF: 227.7/85

- sign -235.338+/-25.856 χ^2/NDF: 42.1/43

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 120.256+/-0.032 χ^2/NDF: 444173.6/16

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

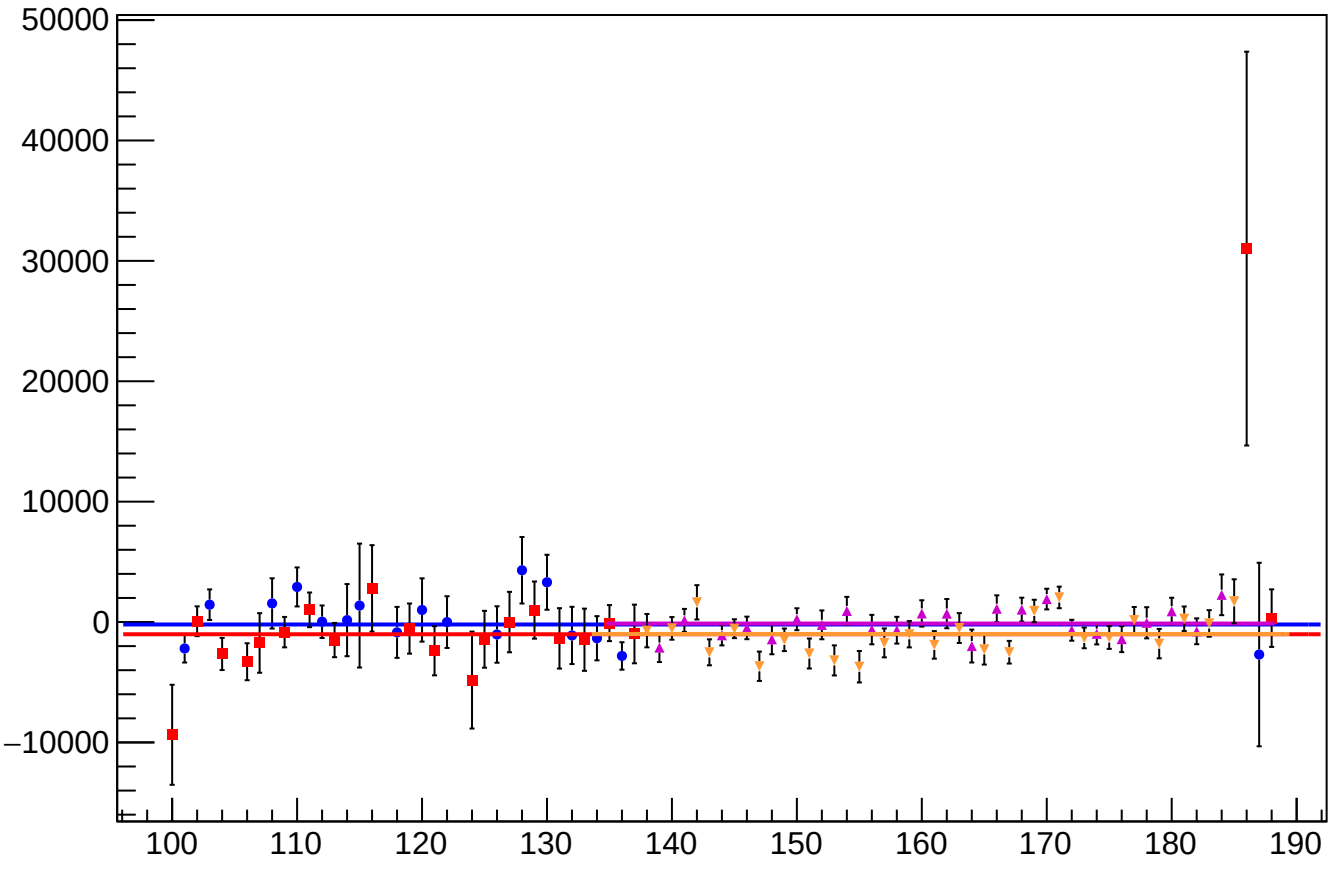
Right Out: 119.394+/-0.030 χ^2/NDF: 1148543.1/20

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 132.097+/-0.018 χ^2/NDF: 1991156.3/41

All: 131.328+/-0.013 χ^2/NDF: 4483775.6/85

- sign 130.576+/-0.018 χ^2/NDF: 2489197.2/43



Right In: -203.680+/-446.565 χ^2/NDF: 20.5/16

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1015.128+/-419.206 χ^2/NDF: 18.7/20

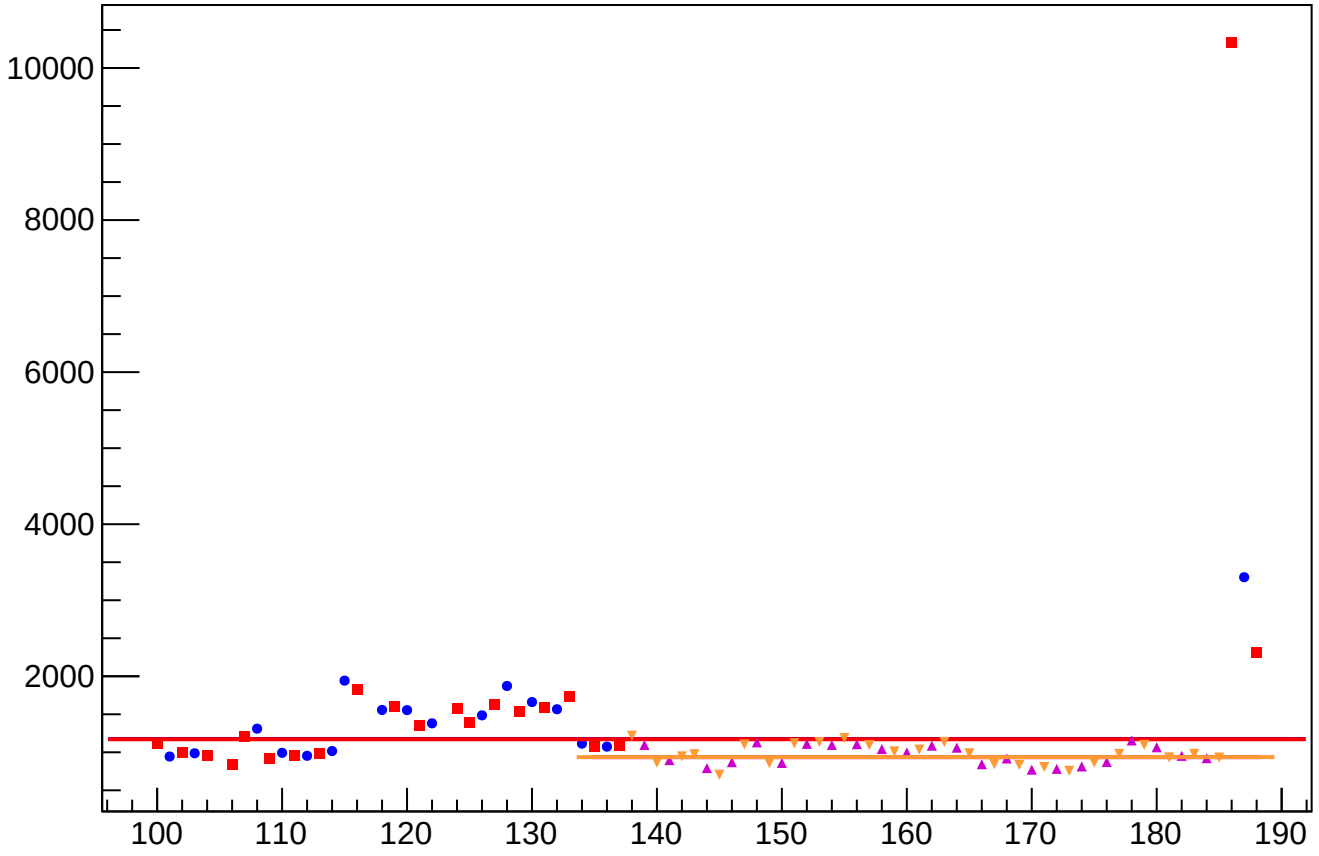
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -843.927+/-194.194 χ^2/NDF: 70.0/41

All: -583.547+/-137.863 χ^2/NDF: 119.7/85

- sign -318.977+/-195.750 χ^2/NDF: 46.1/43

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1175.389+/-0.316 χ^2/NDF: 865671.8/16

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1171.763+/-0.296 χ^2/NDF: 1910500.4/20

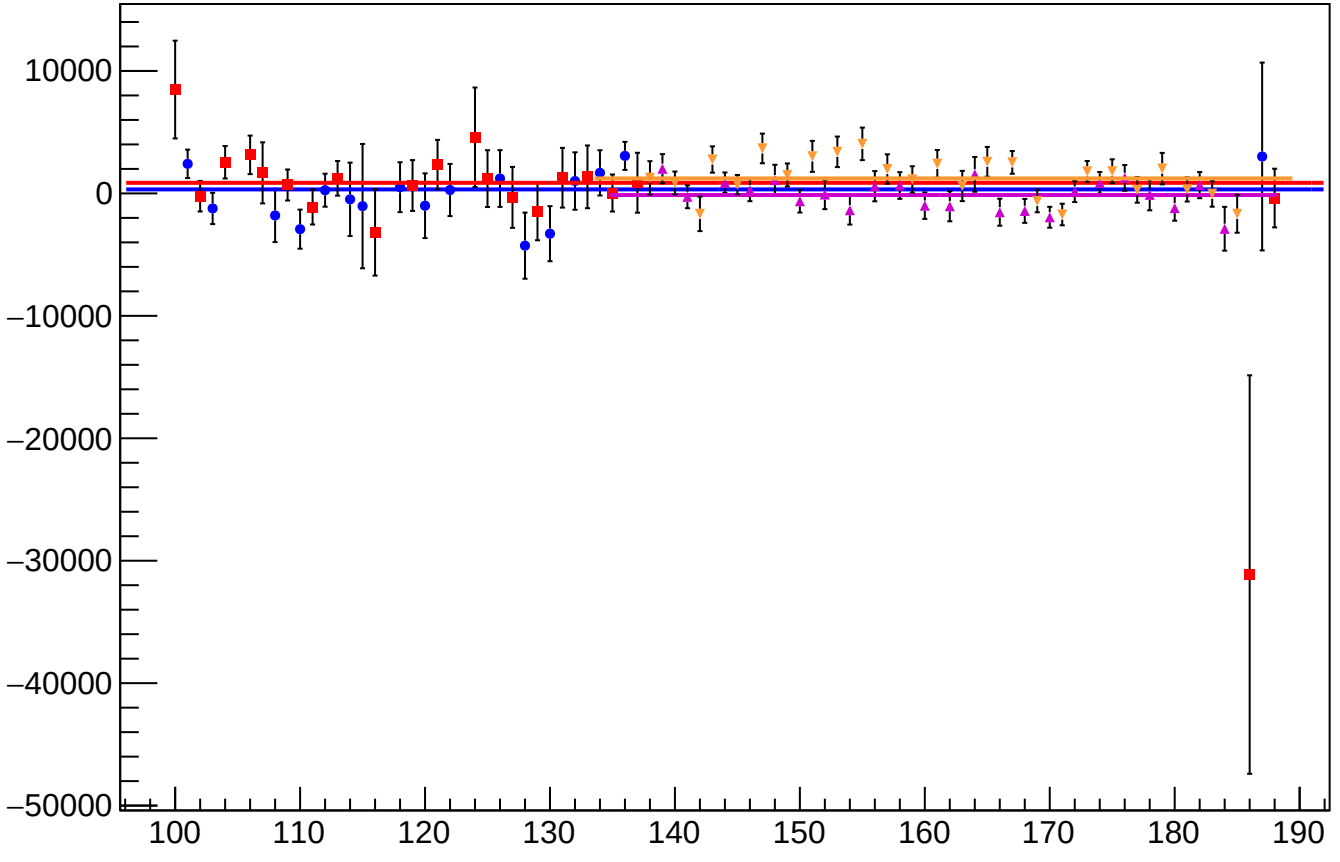
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 981.871+/-0.137 χ^2/NDF: 2161287.1/41

All: 984.764+/-0.097 χ^2/NDF: 5208497.4/85

- sign 987.704+/-0.138 χ^2/NDF: 3046315.4/43

asym_sam_48_dd_mean vs Slug



Right In: 326.464+/-445.587 χ^2/NDF: 22.3/16

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 864.917+/-418.712 χ^2/NDF: 18.7/20

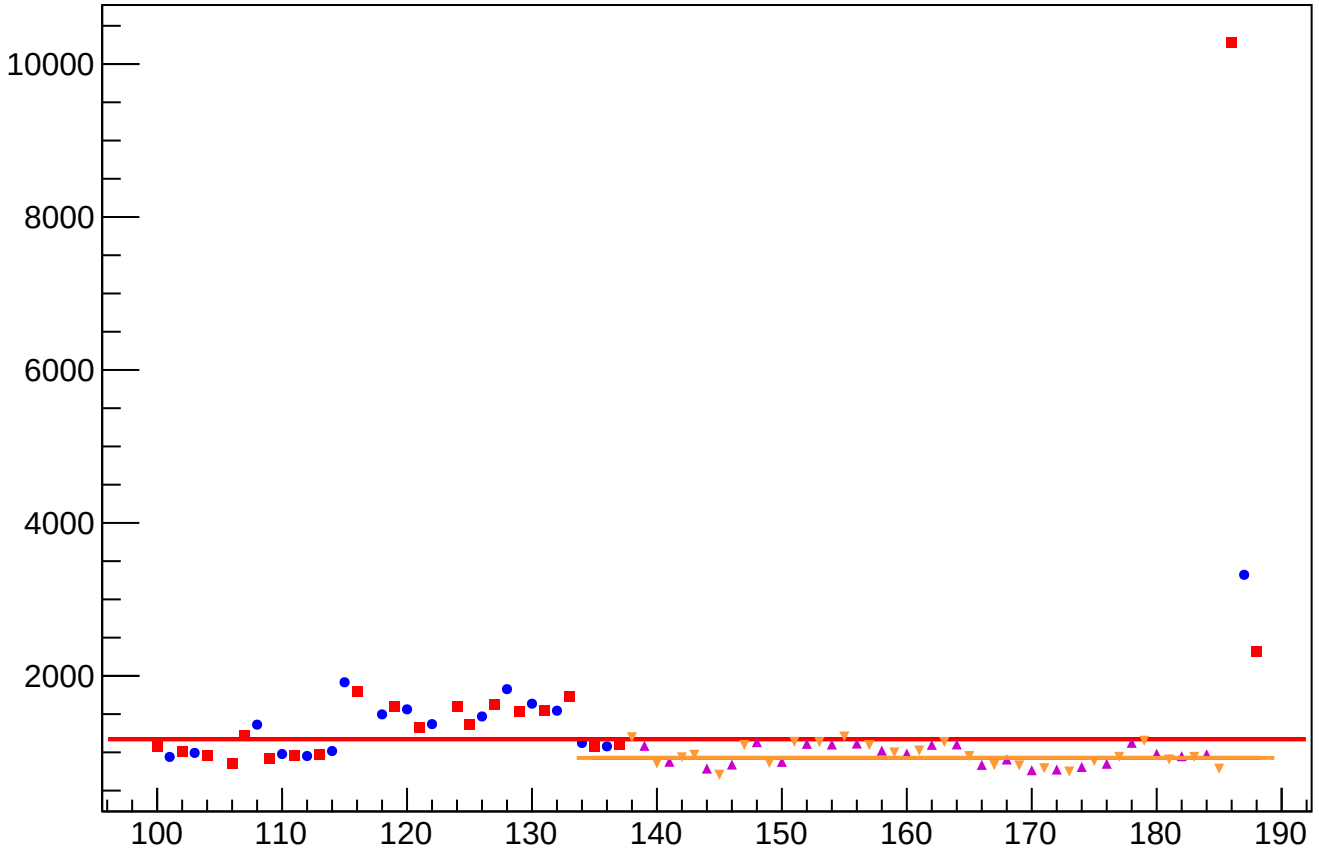
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1057.216+/-192.791 χ^2/NDF: 74.1/41

All: 573.247+/-136.838 χ^2/NDF: 135.8/85

- sign 81.912+/-194.252 χ^2/NDF: 49.0/43

asym_sam_48_dd_rms vs Slug



Right In: 1173.331+/-0.315 χ^2/NDF: 834479.7/16

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

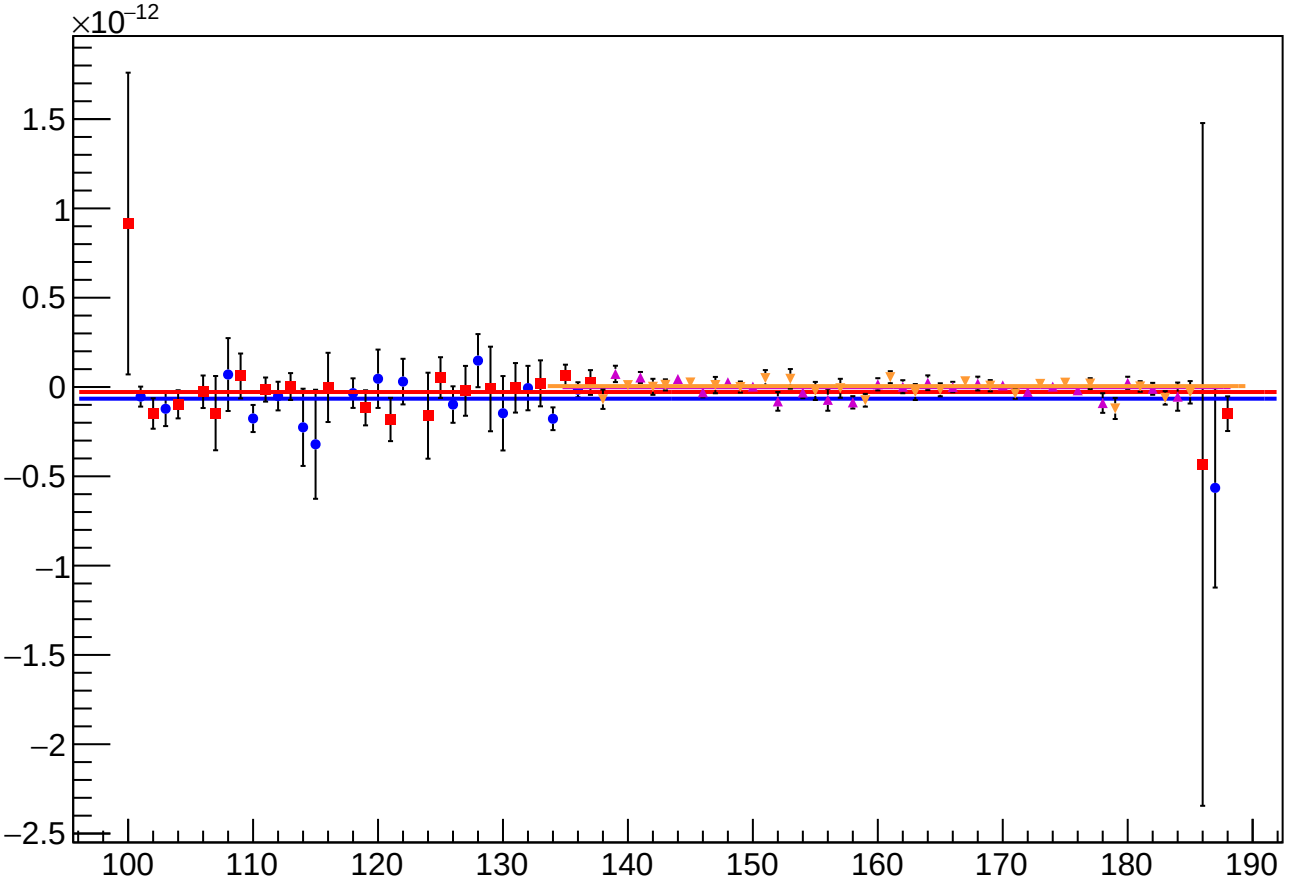
Right Out: 1170.367+/-0.296 χ^2/NDF: 1880069.0/20

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 973.609+/-0.136 χ^2/NDF: 2203955.7/41

All: 976.598+/-0.097 χ^2/NDF: 5270368.9/85

- sign 979.632+/-0.137 χ^2/NDF: 3065444.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

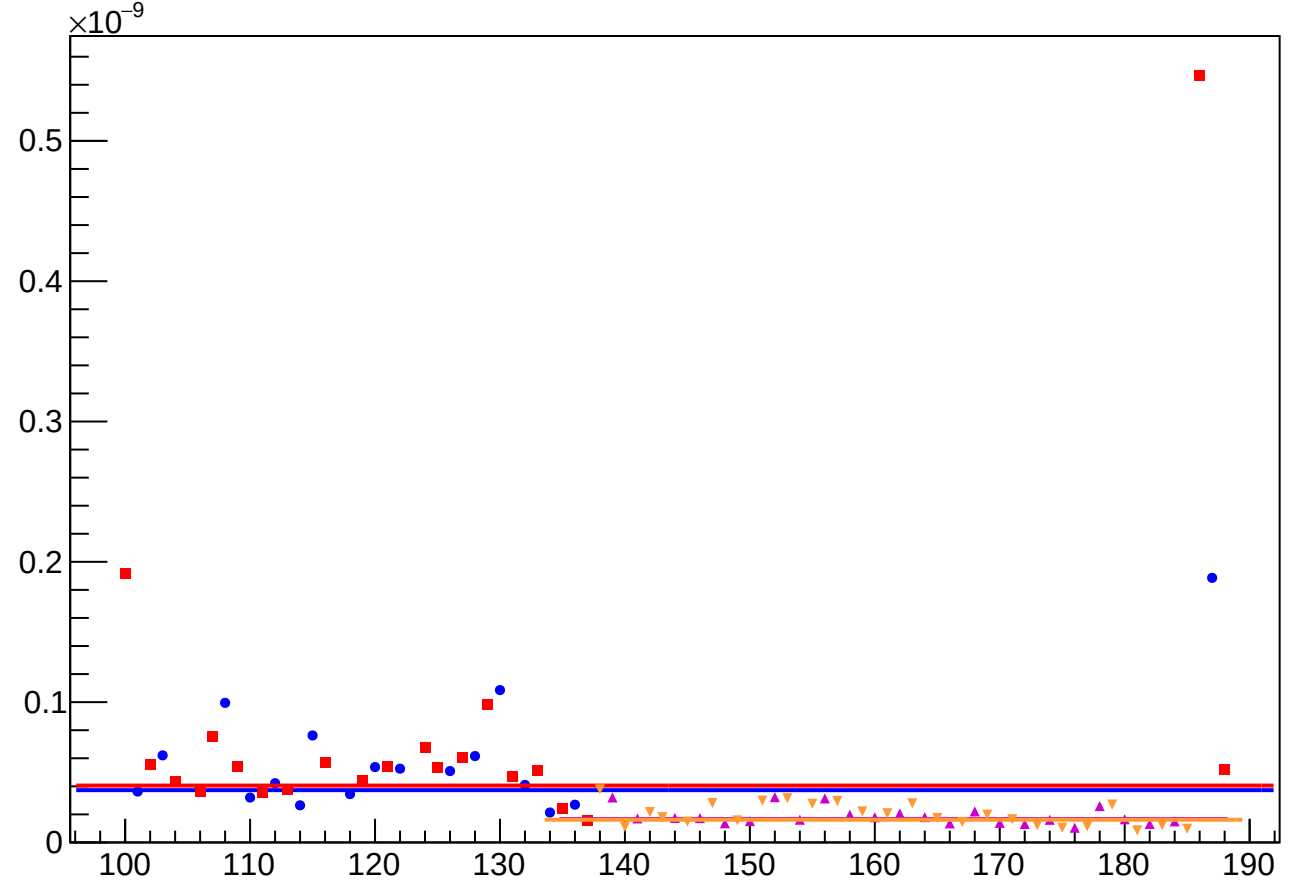
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/20

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.3/41

All: -0.000+/-0.000 χ^2/NDF: 90.6/85

- sign -0.000+/-0.000 χ^2/NDF: 42.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 1142615.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1074872.8/20

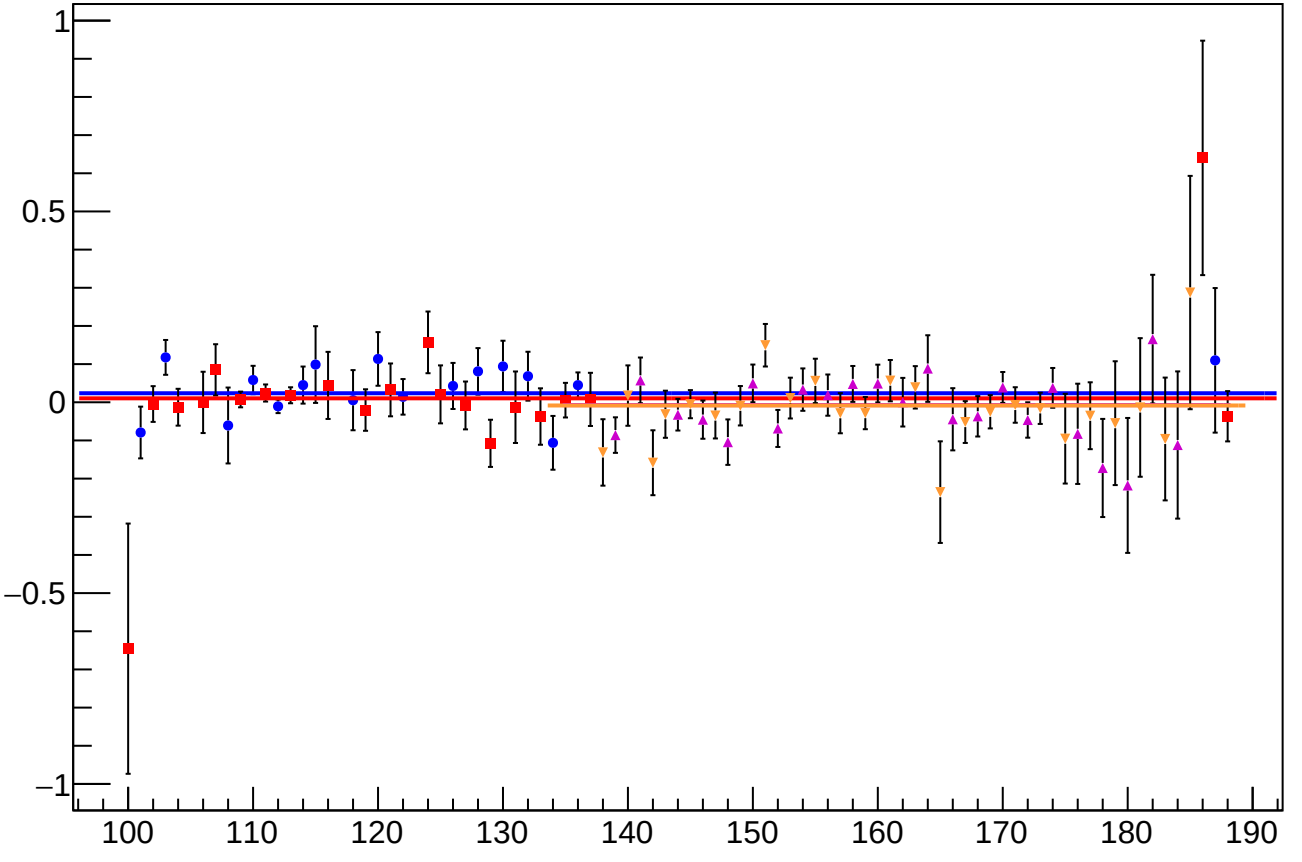
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 4870307.1/41

All: 0.000+/-0.000 χ^2/NDF: 8955463.7/85

- sign 0.000+/-0.000 χ^2/NDF: 4068922.9/43

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.010+/-0.010 χ^2/NDF: 19.0/20

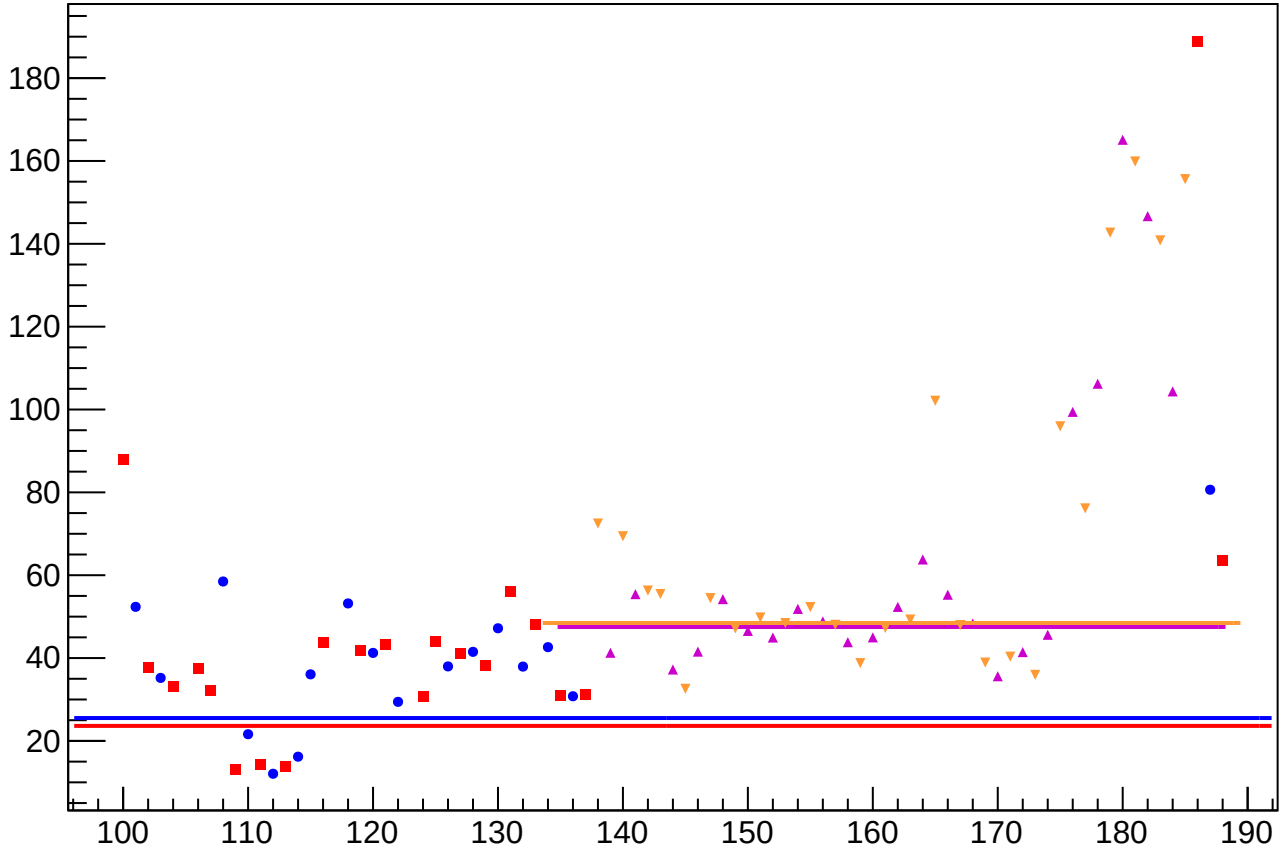
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.0/41

All: 0.006+/-0.006 χ^2/NDF: 91.8/85

- sign 0.003+/-0.008 χ^2/NDF: 43.5/43

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.522+/-0.008 χ^2/NDF: 3095031.6/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

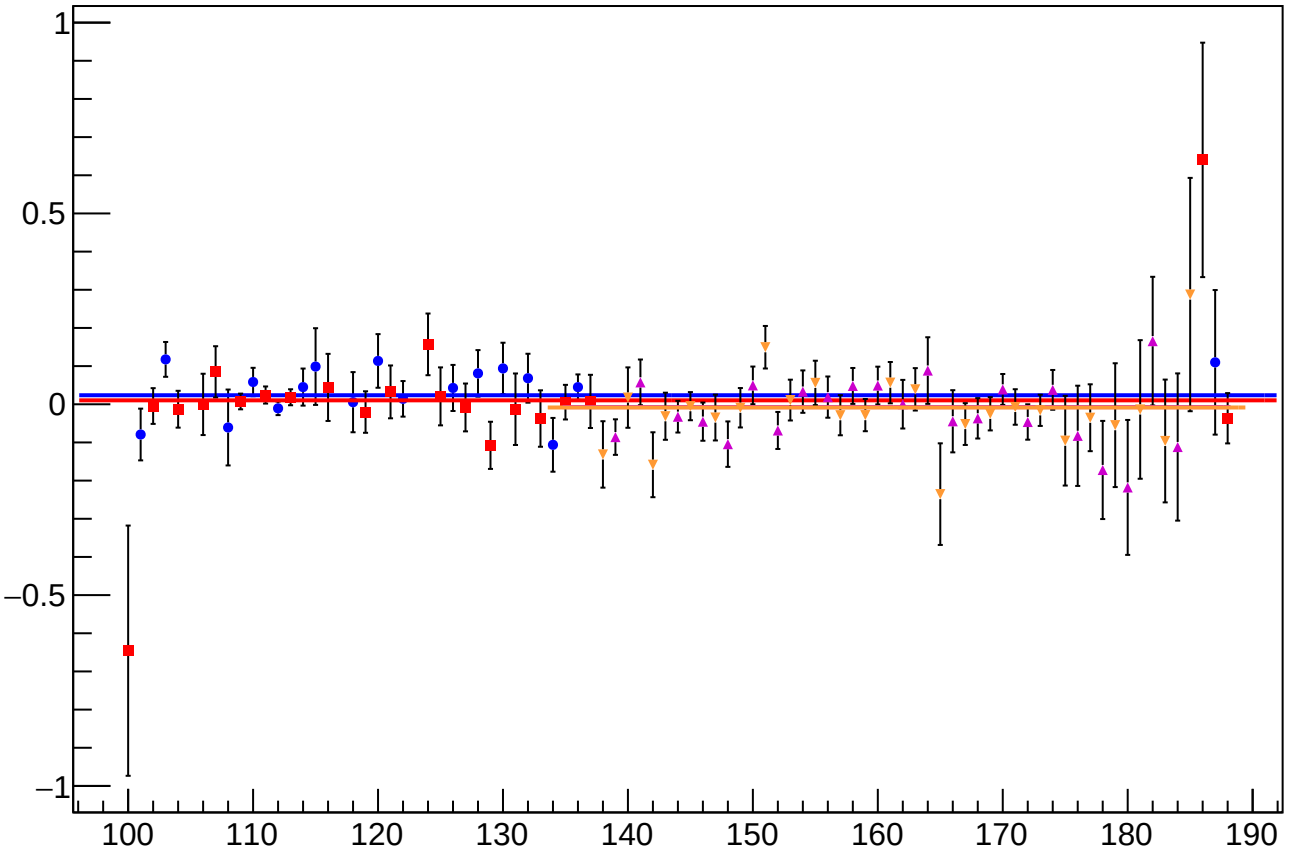
Right Out: 23.625+/-0.007 χ^2/NDF: 4478150.6/20

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 36.045+/-0.006 χ^2/NDF: 11424653.0/41

All: 34.420+/-0.004 χ^2/NDF: 23905361.9/85

- sign 33.020+/-0.005 χ^2/NDF: 12331993.6/43



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.010+/-0.010 χ^2/NDF: 19.0/20

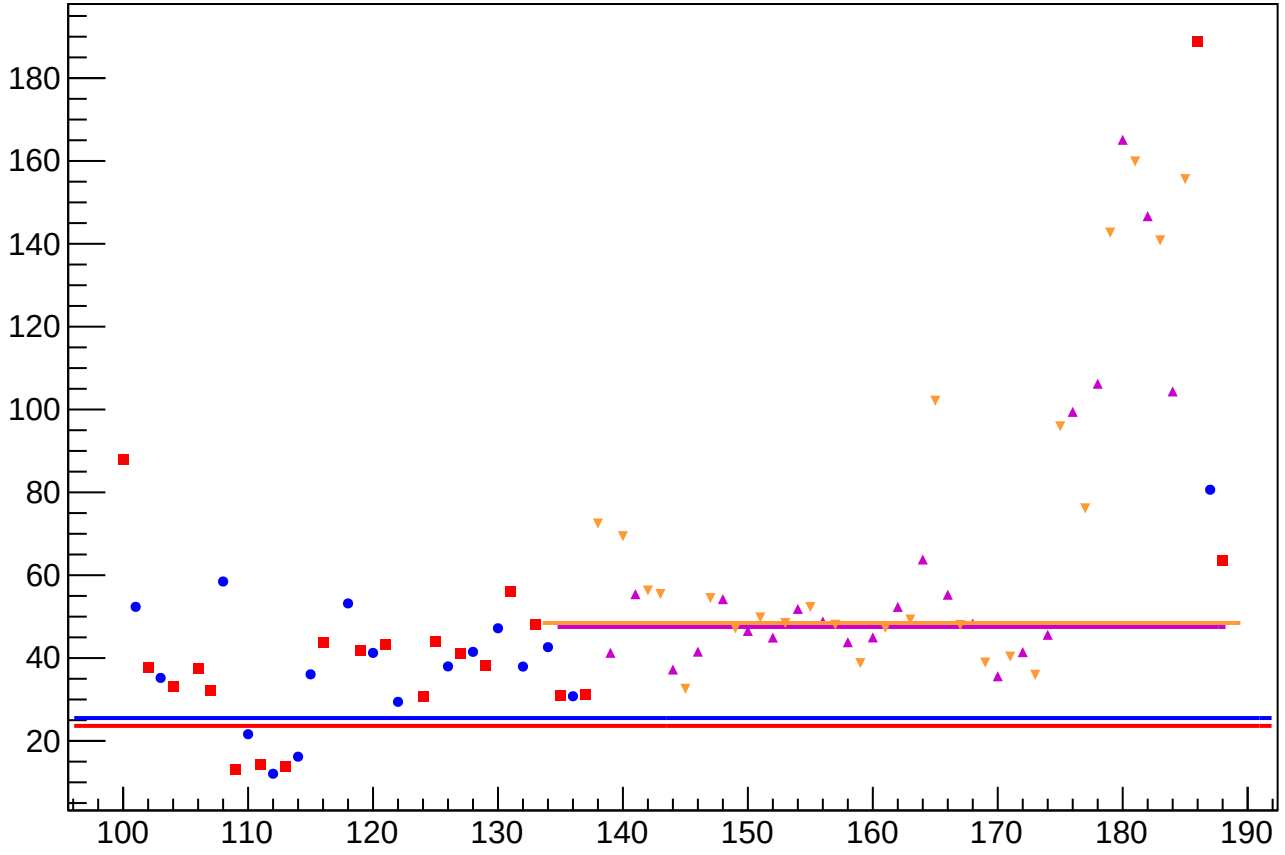
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.0/41

All: 0.006+/-0.006 χ^2/NDF: 91.8/85

- sign 0.003+/-0.008 χ^2/NDF: 43.5/43

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.522+/-0.008 χ^2/NDF: 3095031.6/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

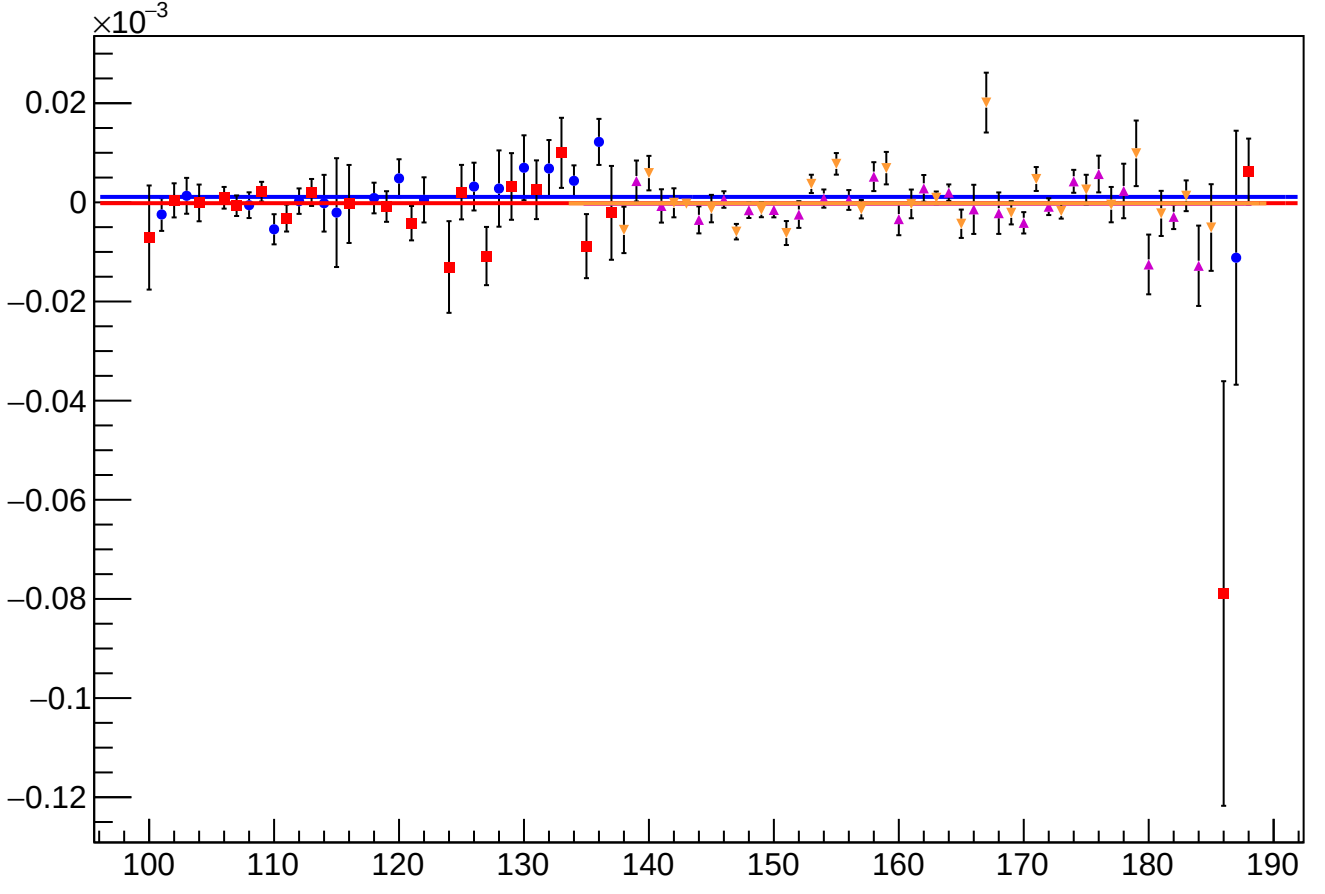
Right Out: 23.625+/-0.007 χ^2/NDF: 4478150.6/20

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 36.045+/-0.006 χ^2/NDF: 11424653.0/41

All: 34.420+/-0.004 χ^2/NDF: 23905361.9/85

- sign 33.020+/-0.005 χ^2/NDF: 12331993.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

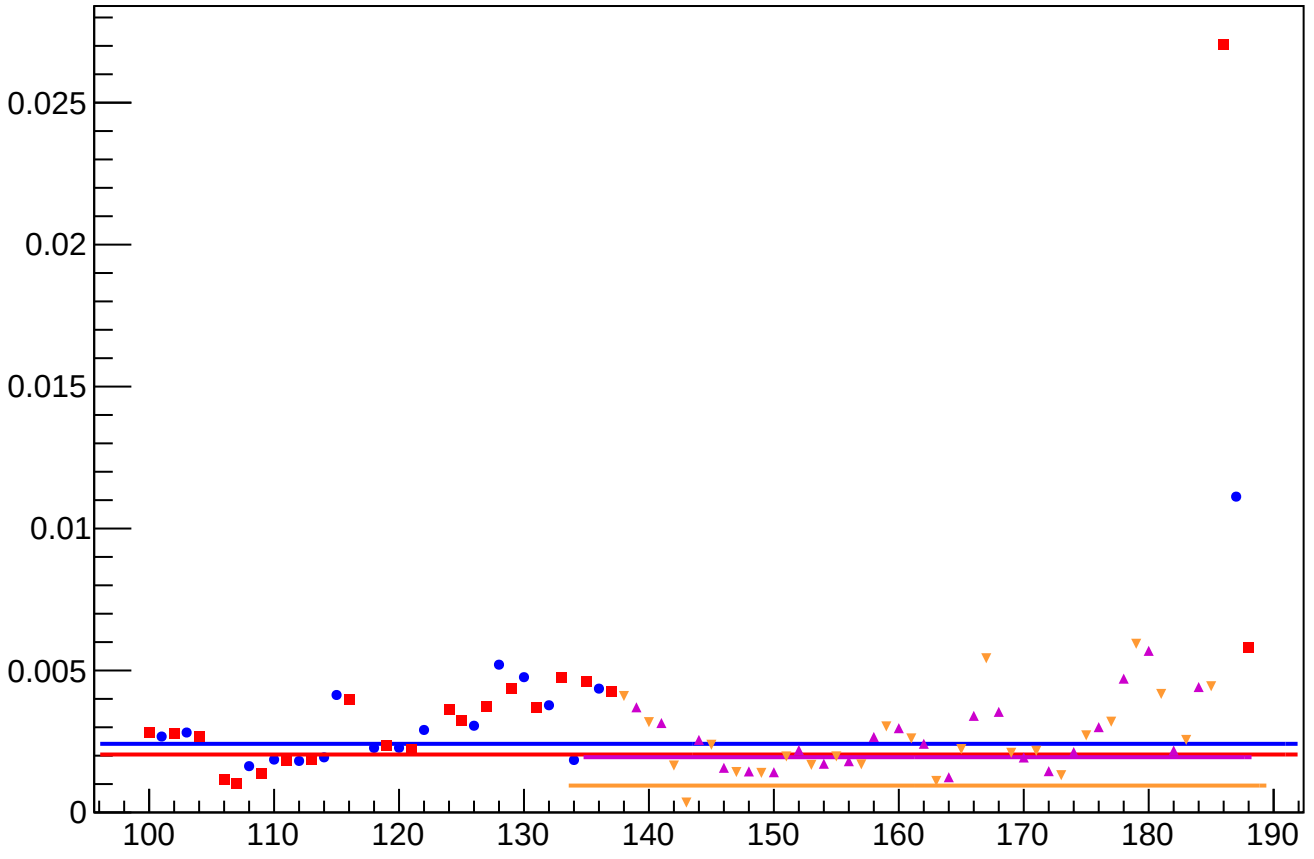
Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/20

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.8/41

All: -0.000+/-0.000 χ^2/NDF: 140.2/85

- sign -0.000+/-0.000 χ^2/NDF: 50.4/43



Right In: 0.002+/-0.000 χ^2/NDF: 1803308.5/16

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

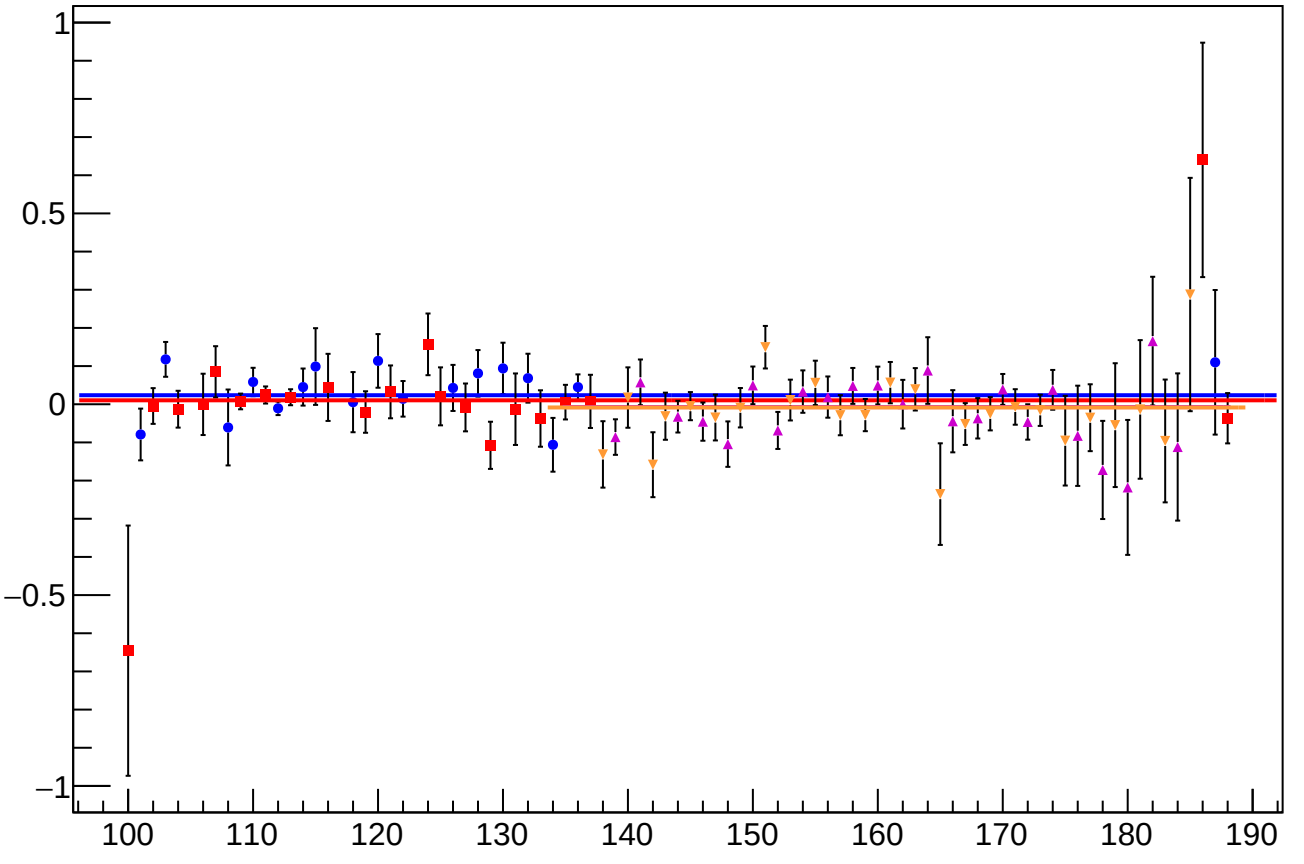
Right Out: 0.002+/-0.000 χ^2/NDF: 4109710.0/20

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 23731024.6/41

All: 0.001+/-0.000 χ^2/NDF: 38308531.0/85

- sign 0.002+/-0.000 χ^2/NDF: 8492270.7/43



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

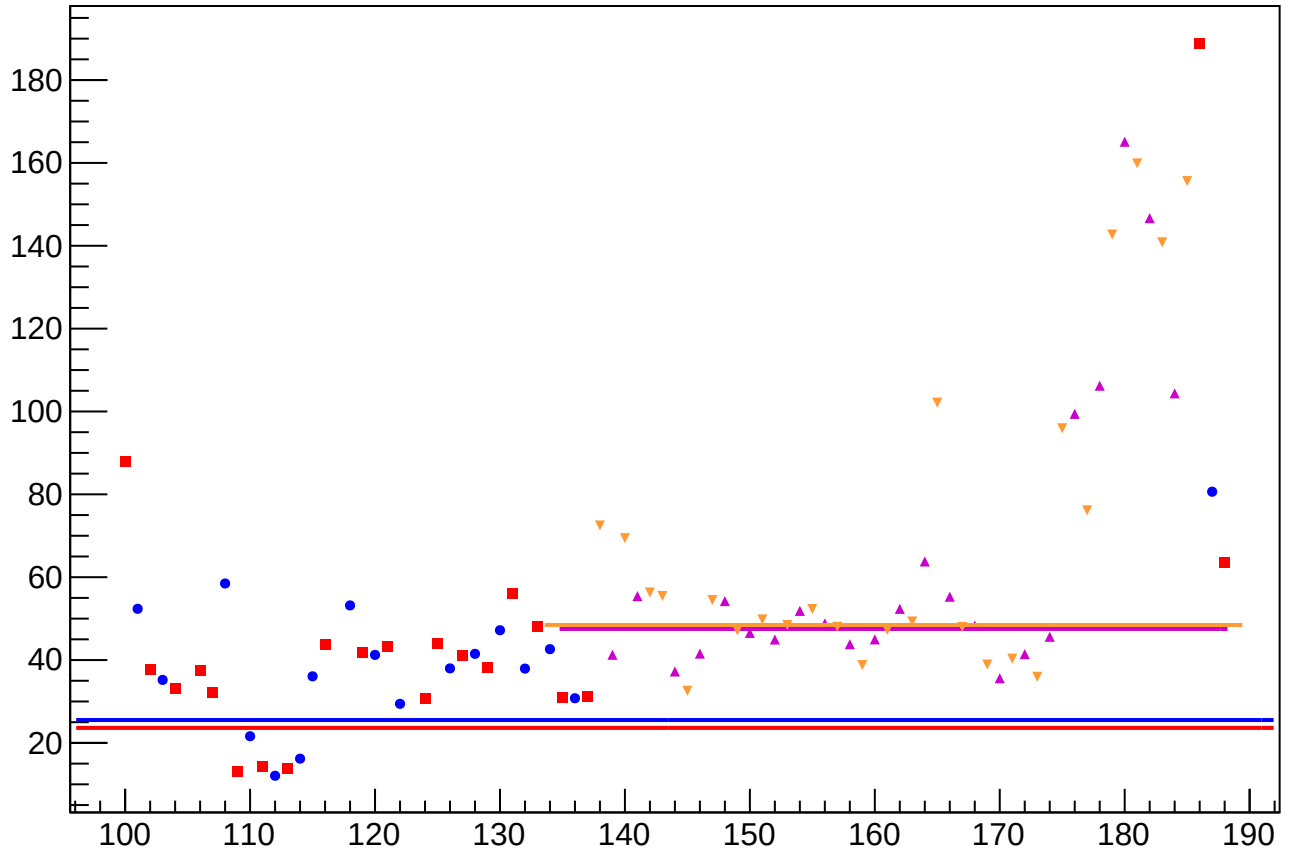
Right Out: 0.010+/-0.010 χ^2/NDF: 19.0/20

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.0/41

All: 0.006+/-0.006 χ^2/NDF: 91.8/85

- sign 0.003+/-0.008 χ^2/NDF: 43.5/43



Right In: 25.521+/-0.008 χ^2/NDF: 3095455.3/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

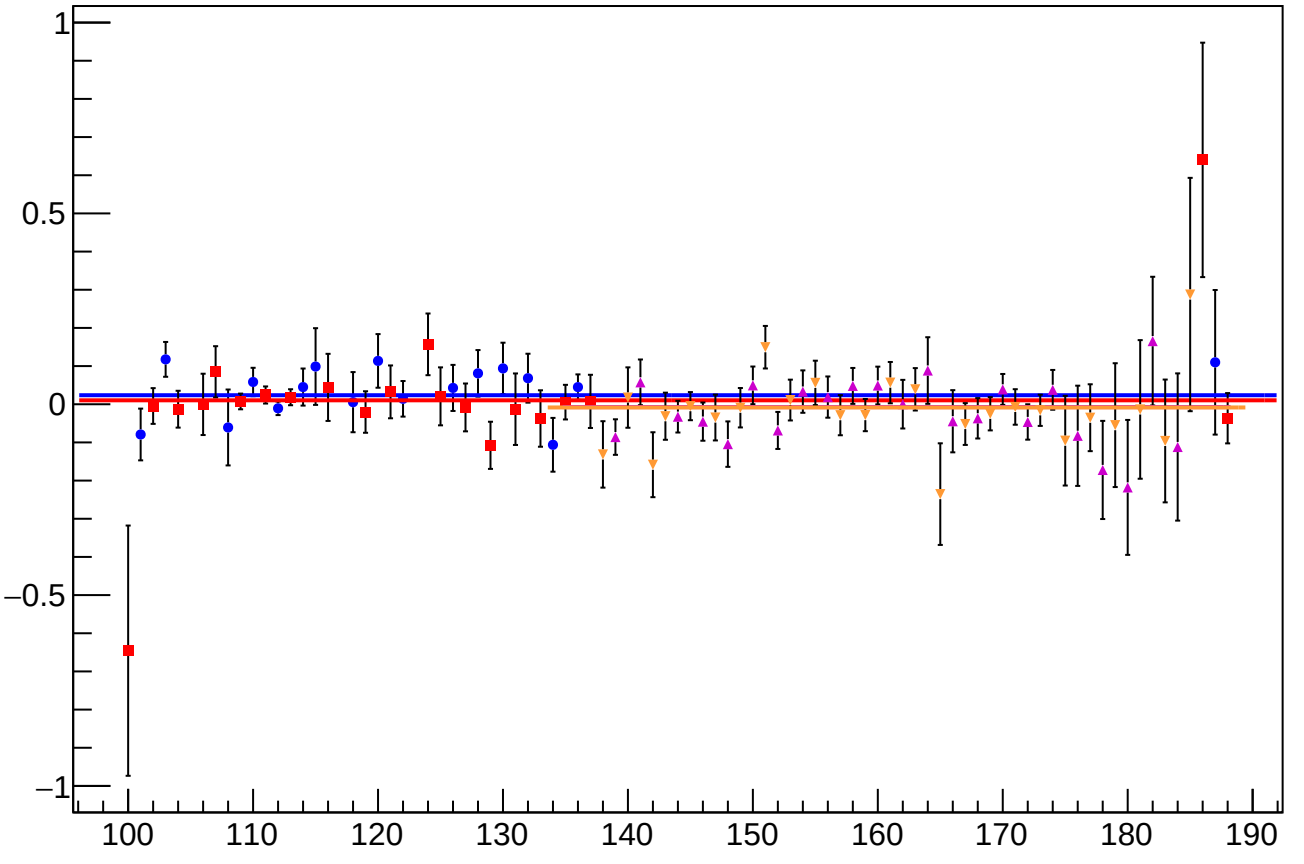
Right Out: 23.624+/-0.007 χ^2/NDF: 4478309.8/20

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 36.044+/-0.006 χ^2/NDF: 11425679.6/41

All: 34.420+/-0.004 χ^2/NDF: 23906664.3/85

- sign 33.020+/-0.005 χ^2/NDF: 12332342.0/43



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

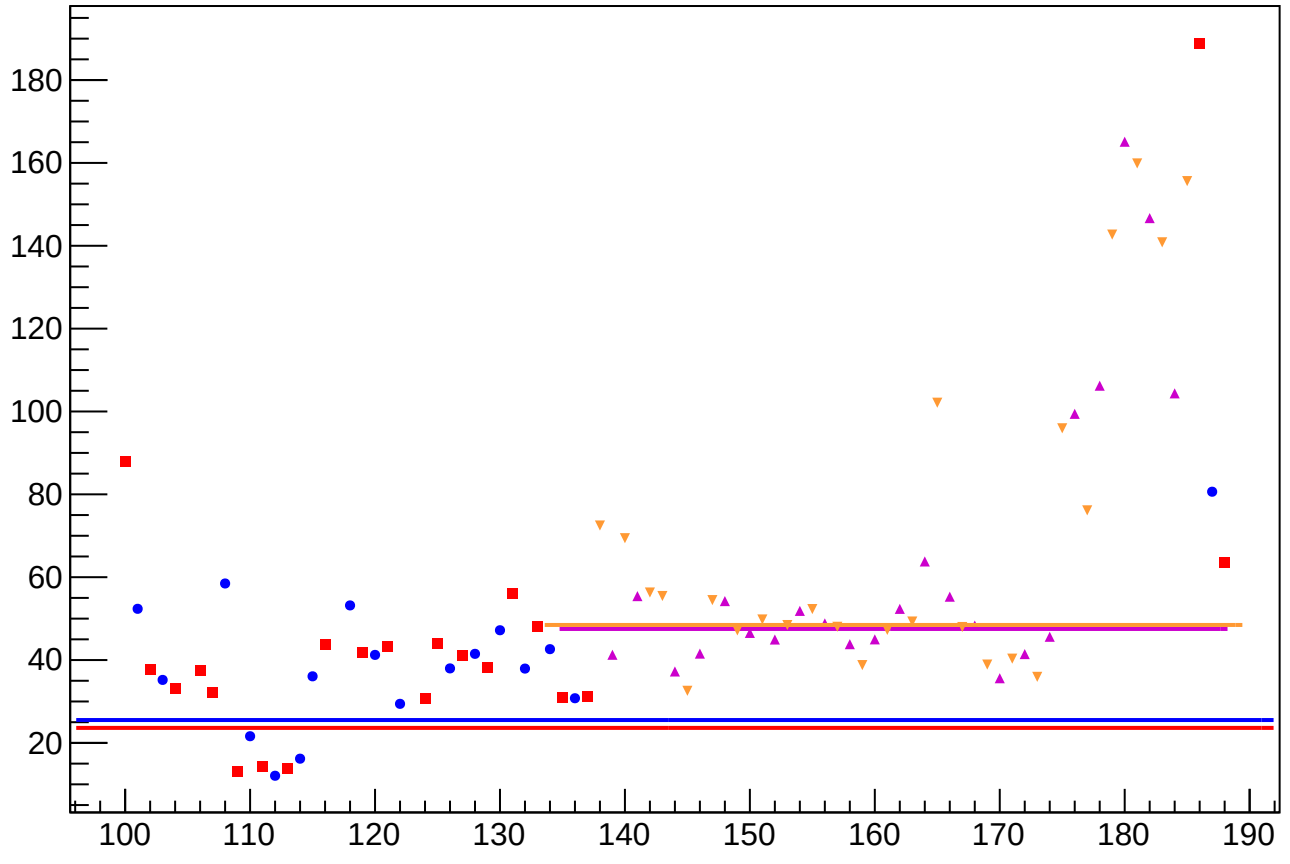
Right Out: 0.010+/-0.010 χ^2/NDF: 19.0/20

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.0/41

All: 0.006+/-0.006 χ^2/NDF: 91.8/85

- sign 0.003+/-0.008 χ^2/NDF: 43.5/43



Right In: 25.521+/-0.008 χ^2/NDF: 3095455.3/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

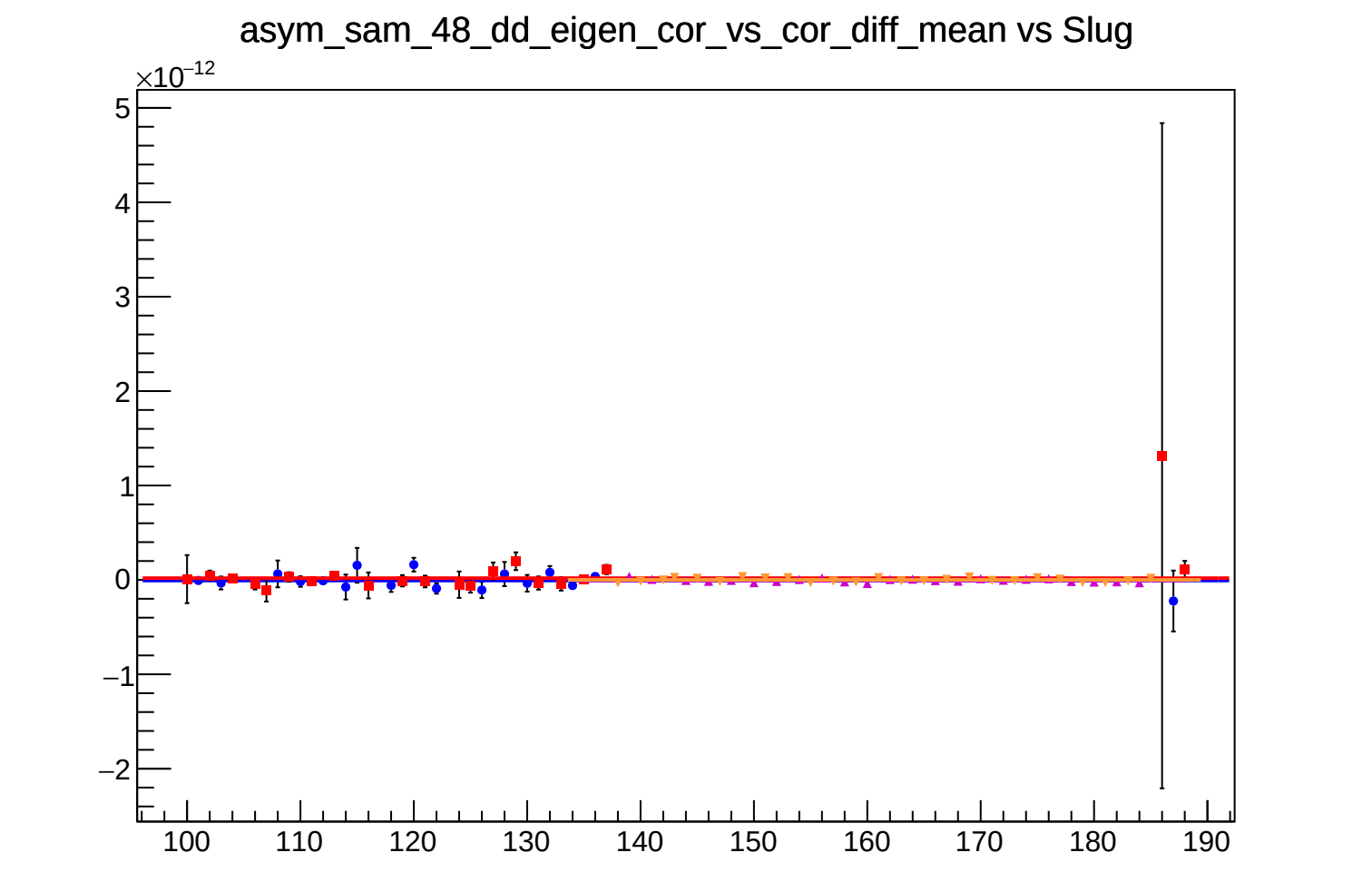
Right Out: 23.624+/-0.007 χ^2/NDF: 4478309.8/20

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 36.044+/-0.006 χ^2/NDF: 11425679.6/41

All: 34.420+/-0.004 χ^2/NDF: 23906664.3/85

- sign 33.020+/-0.005 χ^2/NDF: 12332342.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

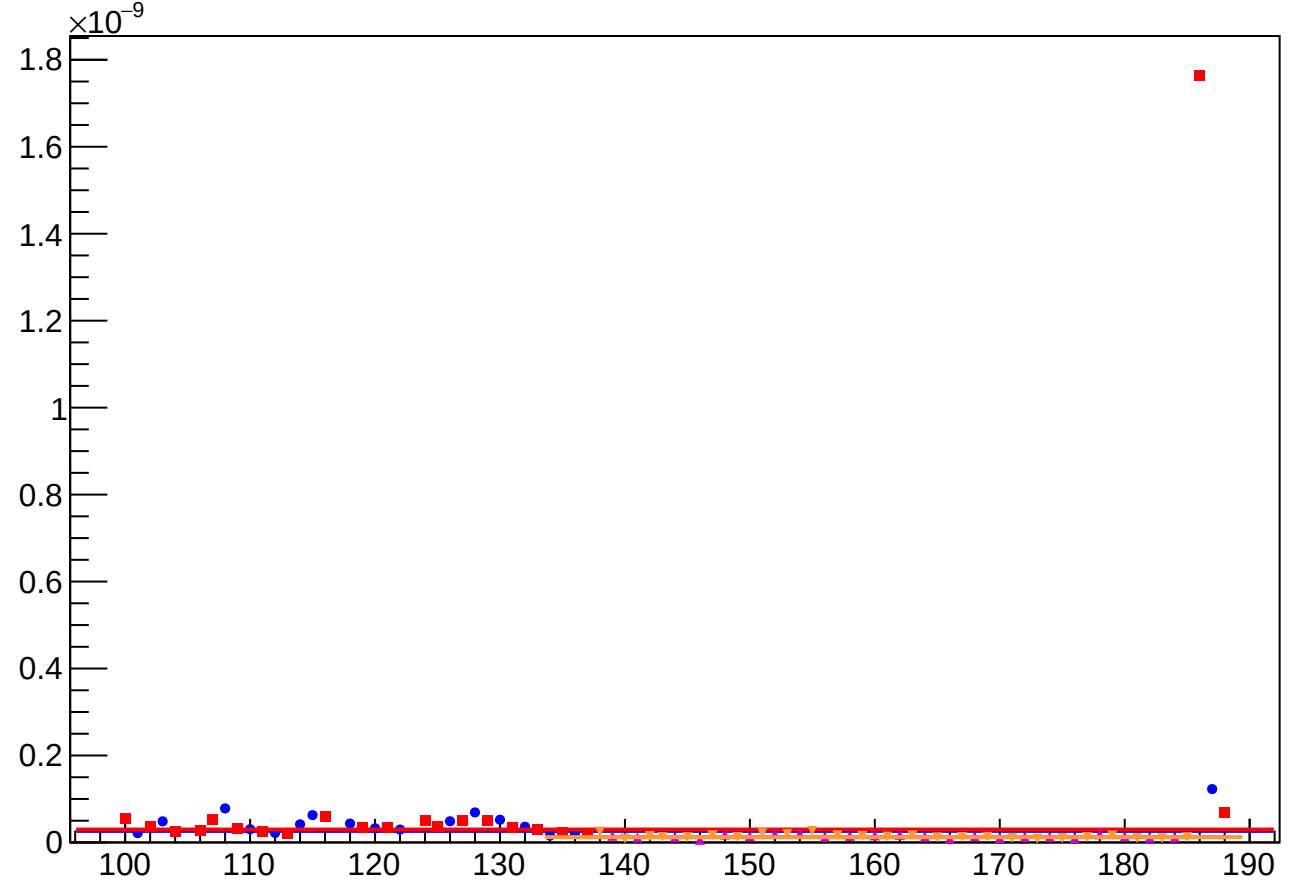
Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/20

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.9/41

All: -0.000+/-0.000 χ^2/NDF: 89.8/85

- sign -0.000+/-0.000 χ^2/NDF: 38.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 1870913.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1785073.0/20

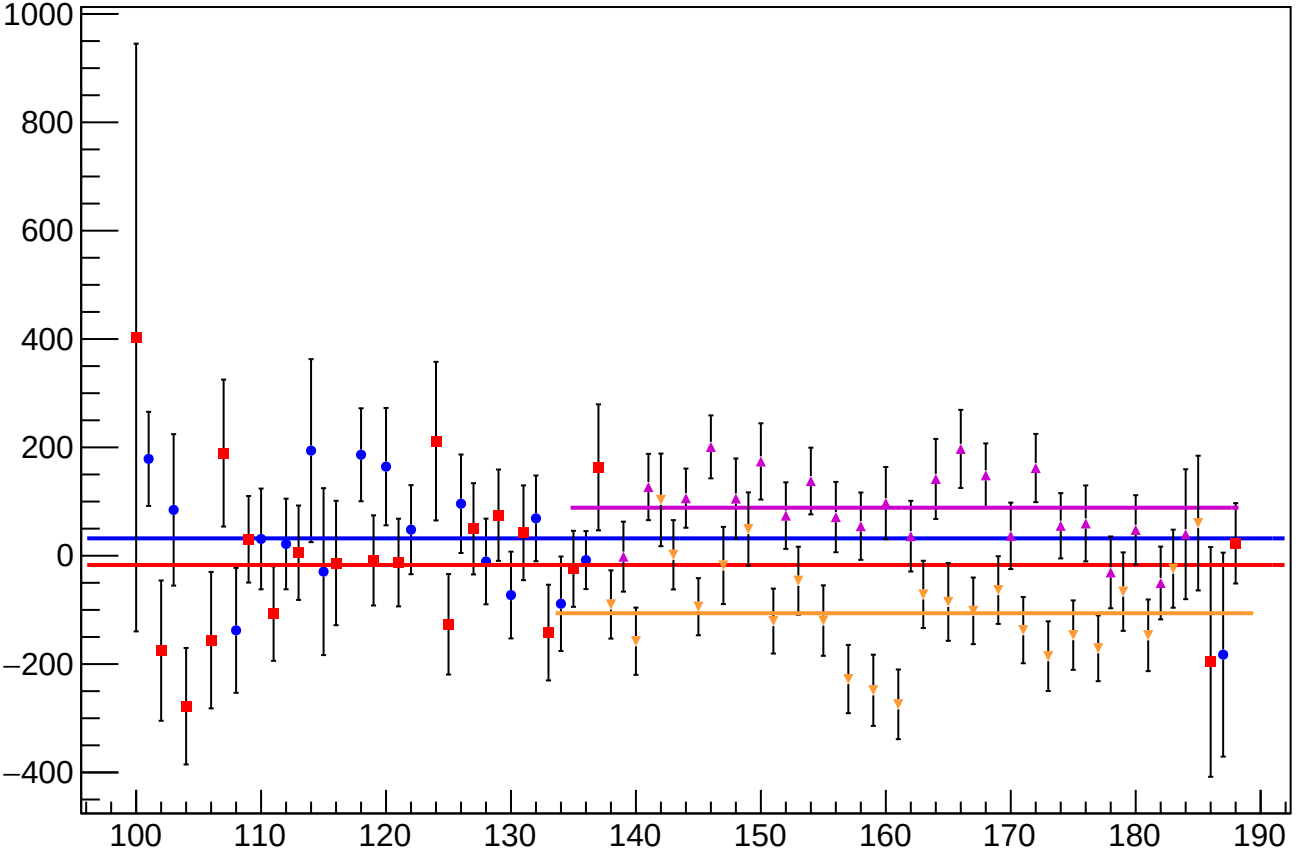
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6182313.5/41

All: 0.000+/-0.000 χ^2/NDF: 13185942.7/85

- sign 0.000+/-0.000 χ^2/NDF: 7001477.0/43

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 32.052+/-21.983 χ^2/NDF: 17.5/16

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -17.081+/-21.107 χ^2/NDF: 24.5/20

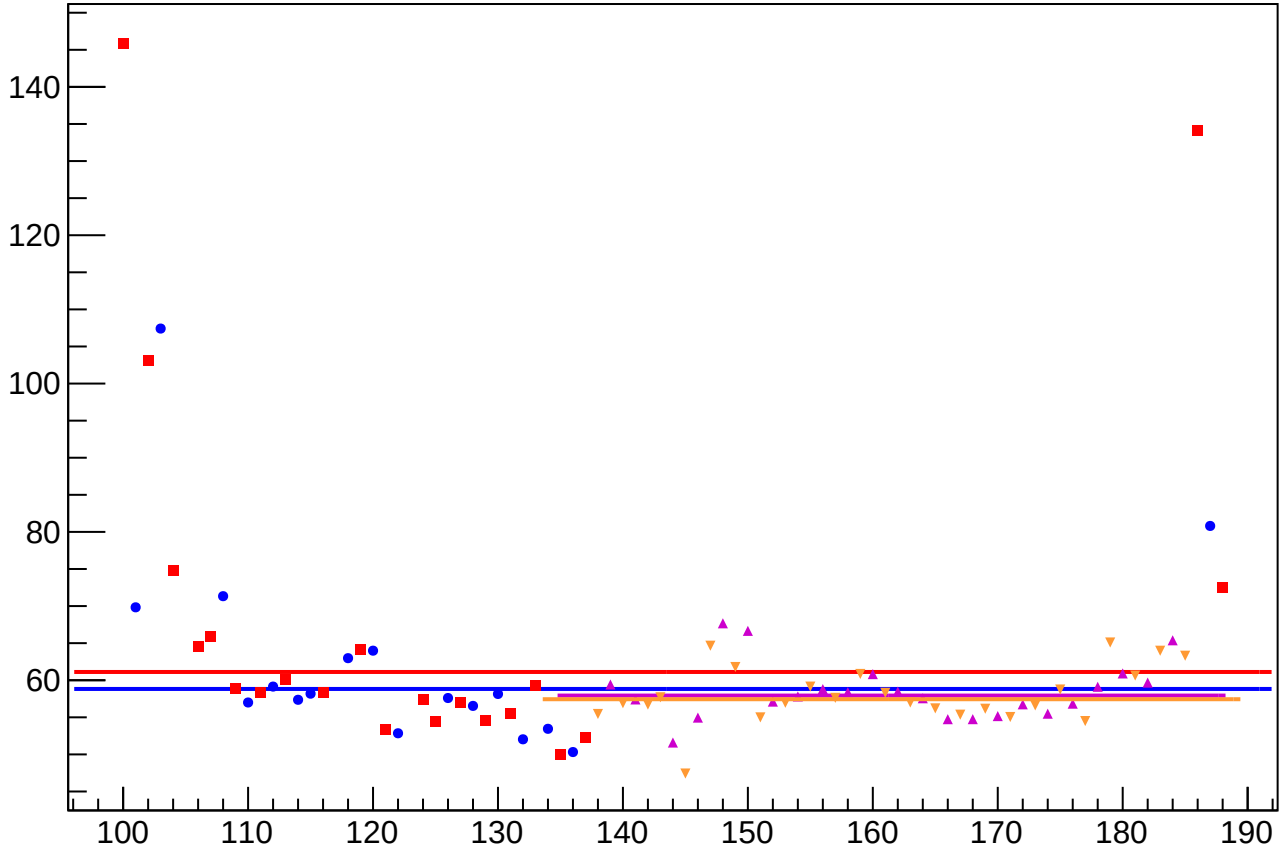
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

\+ sign -69.941+/-11.246 χ^2/NDF: 87.3/41

All: -7.045+/-8.010 χ^2/NDF: 217.0/85

\- sign 57.718+/-11.412 χ^2/NDF: 66.2/43

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.825+/-0.016 χ^2/NDF: 420379.0/16

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

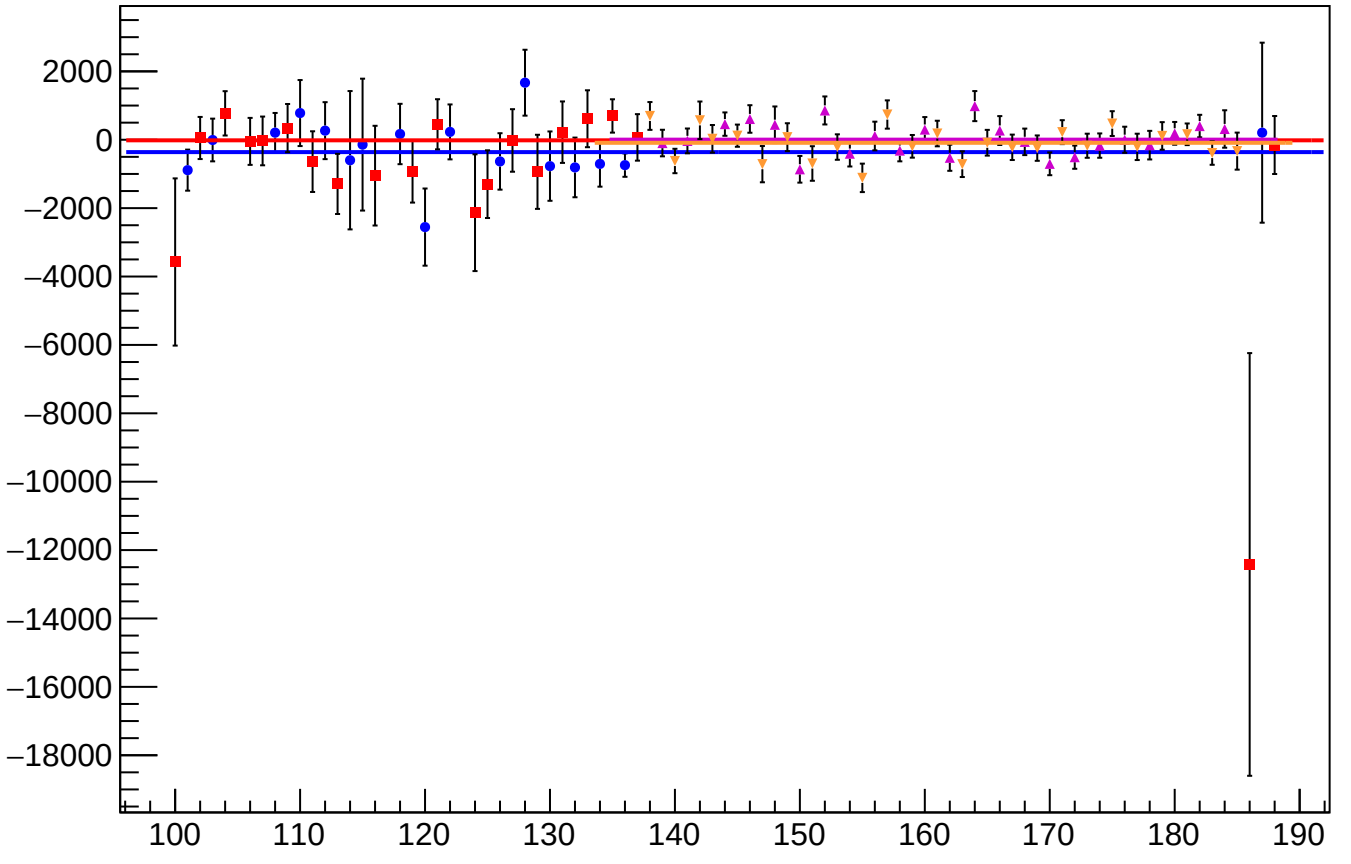
Right Out: 61.115+/-0.015 χ^2/NDF: 704293.2/20

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 57.803+/-0.008 χ^2/NDF: 600797.8/41

All: 58.325+/-0.006 χ^2/NDF: 1481921.2/85

- sign 58.863+/-0.008 χ^2/NDF: 872366.5/43



Right In: -361.402+/-180.177 χ^2/NDF: 15.3/16

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -16.709+/-178.887 χ^2/NDF: 19.1/20

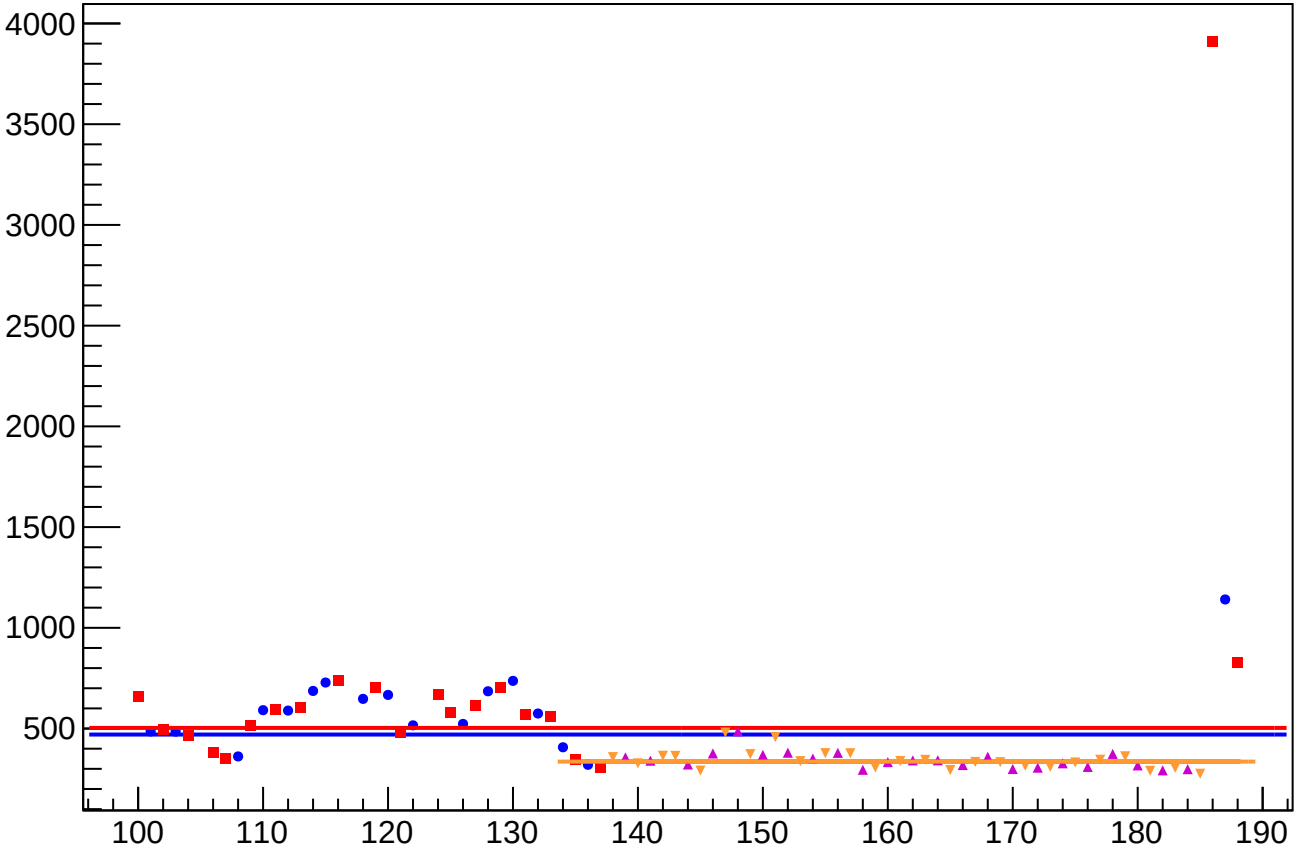
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -131.127+/-70.814 χ^2/NDF: 47.1/41

All: -67.122+/-50.629 χ^2/NDF: 101.5/85

- sign -0.192+/-72.414 χ^2/NDF: 52.7/43

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 470.224+/-0.127 χ^2/NDF: 1160670.2/16

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 503.138+/-0.126 χ^2/NDF: 1795956.7/20

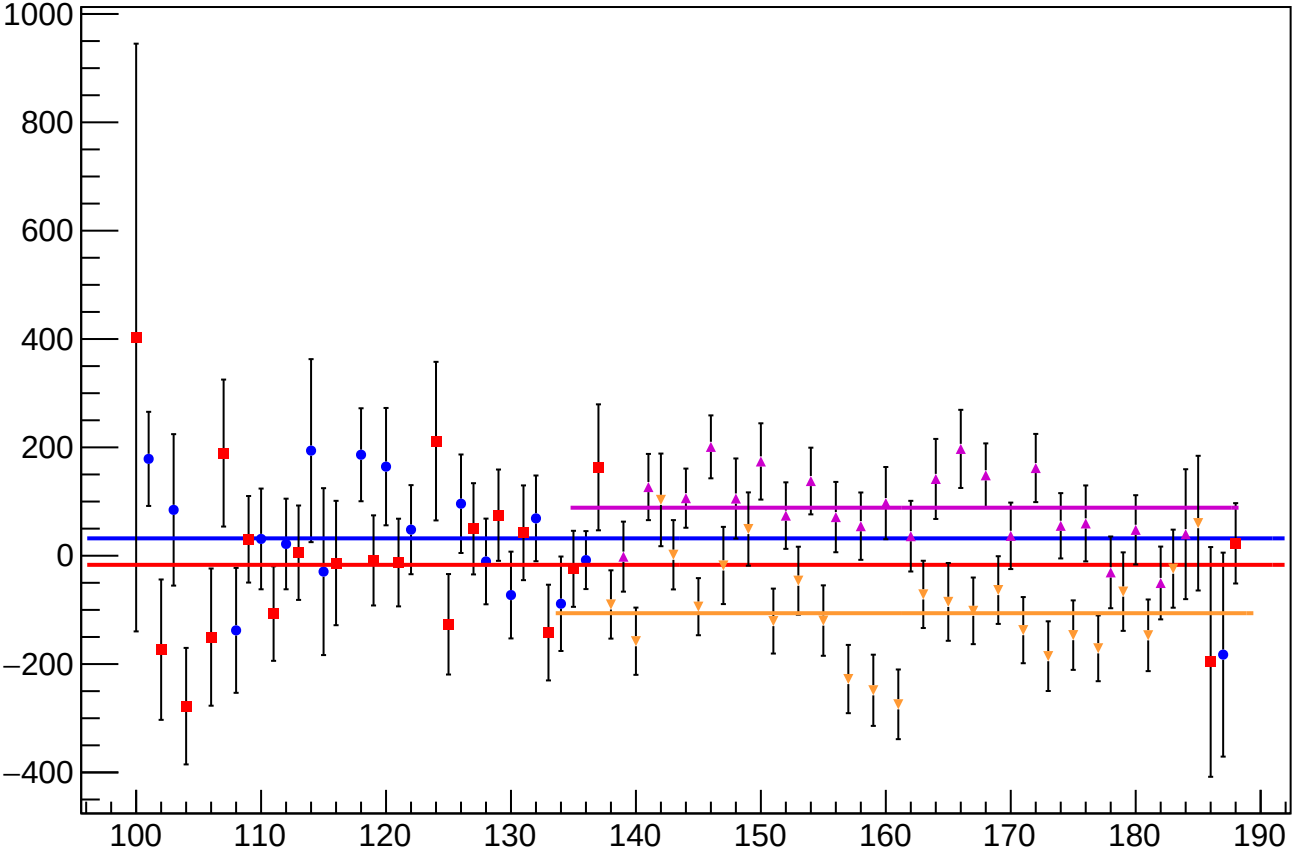
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 356.644+/-0.050 χ^2/NDF: 2634460.5/41

All: 360.081+/-0.036 χ^2/NDF: 6308087.2/85

- sign 363.675+/-0.051 χ^2/NDF: 3663987.5/43

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 32.050+/-21.983 χ^2/NDF: 17.5/16

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -16.831+/-21.110 χ^2/NDF: 24.4/20

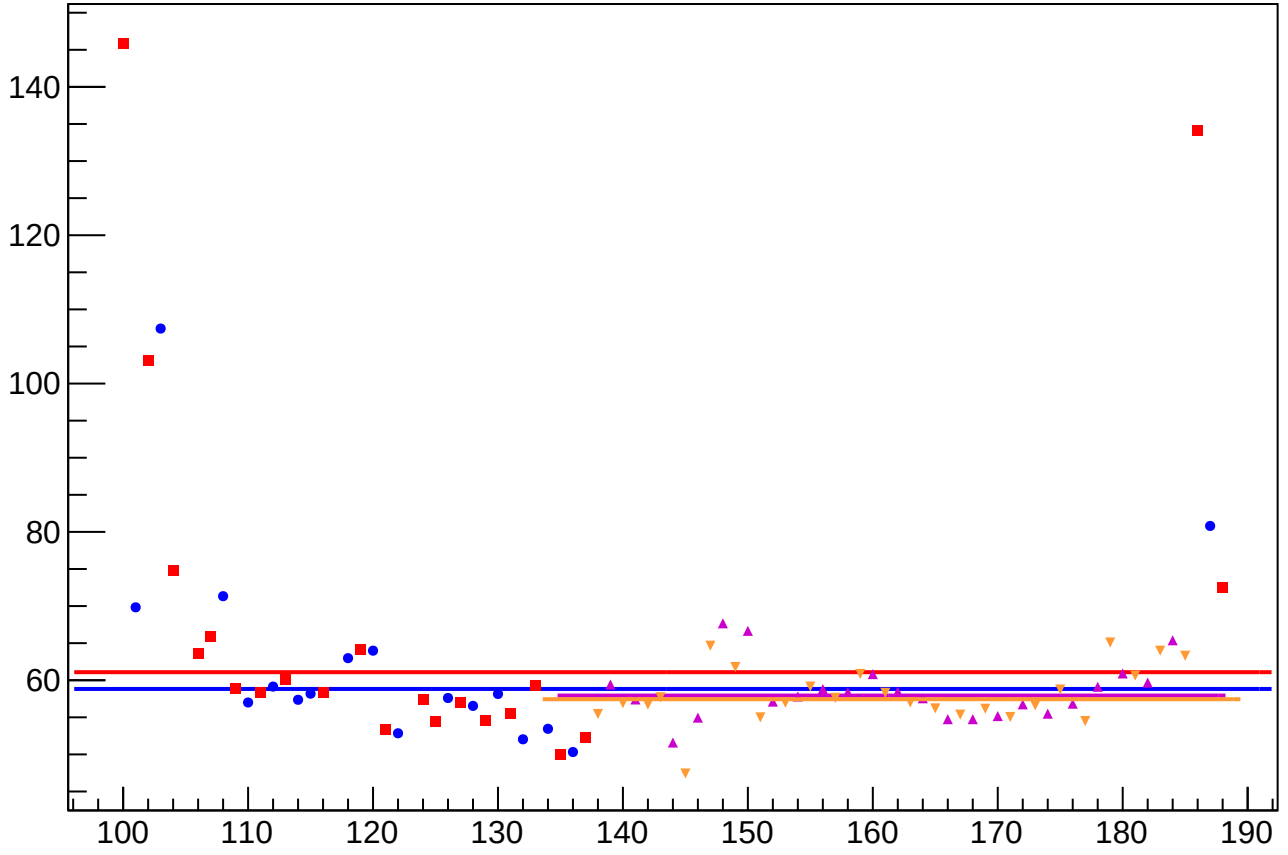
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -69.941+/-11.246 χ^2/NDF: 87.3/41

All: -7.008+/-8.011 χ^2/NDF: 216.8/85

- sign 57.800+/-11.413 χ^2/NDF: 65.9/43

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.825+/-0.016 χ^2/NDF: 420381.1/16

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

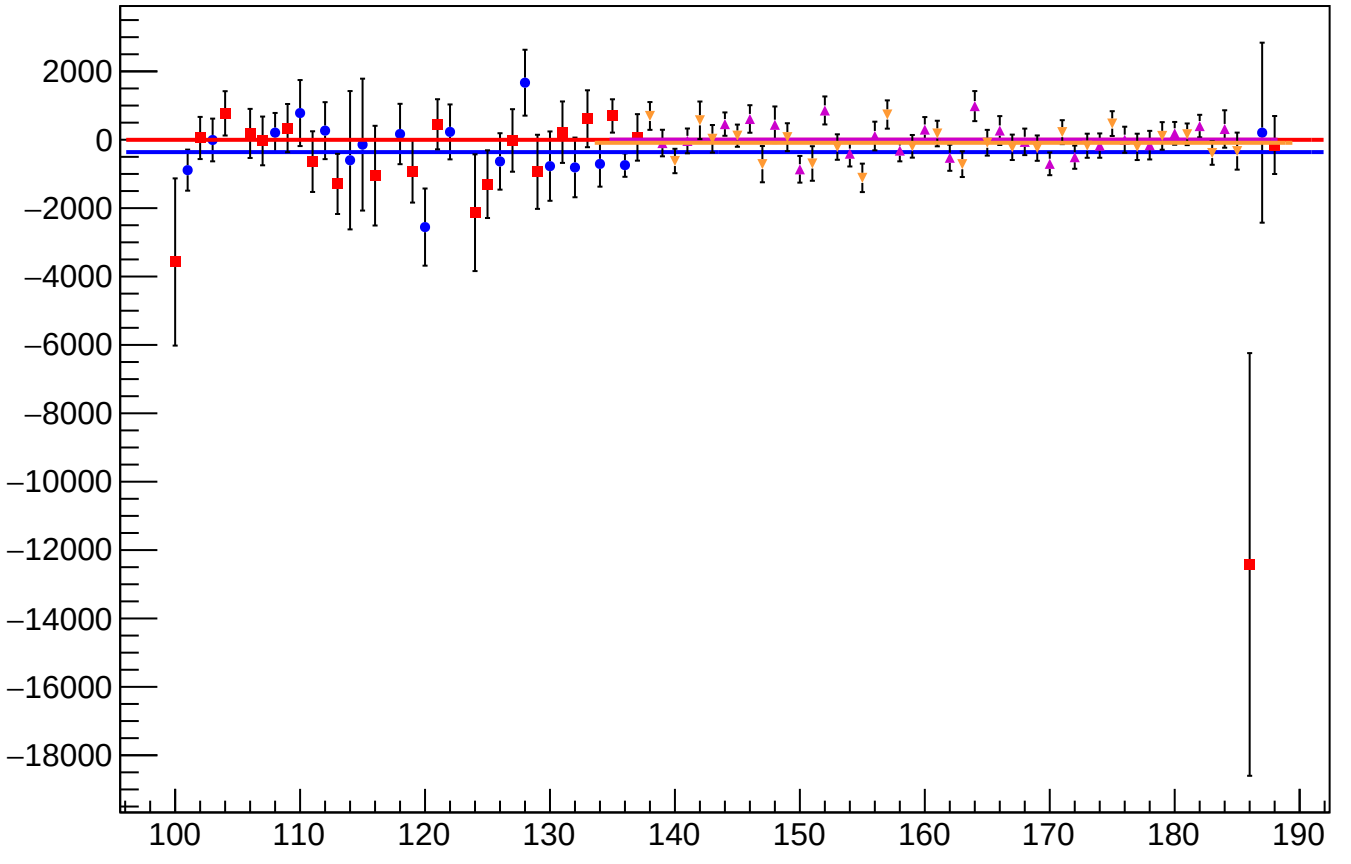
Right Out: 61.087+/-0.015 χ^2/NDF: 703764.8/20

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 57.803+/-0.008 χ^2/NDF: 600800.0/41

All: 58.321+/-0.006 χ^2/NDF: 1480676.8/85

- sign 58.855+/-0.008 χ^2/NDF: 871260.2/43



Right In: -361.366+/-180.178 χ^2/NDF: 15.3/16

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -2.002+/-179.414 χ^2/NDF: 19.2/20

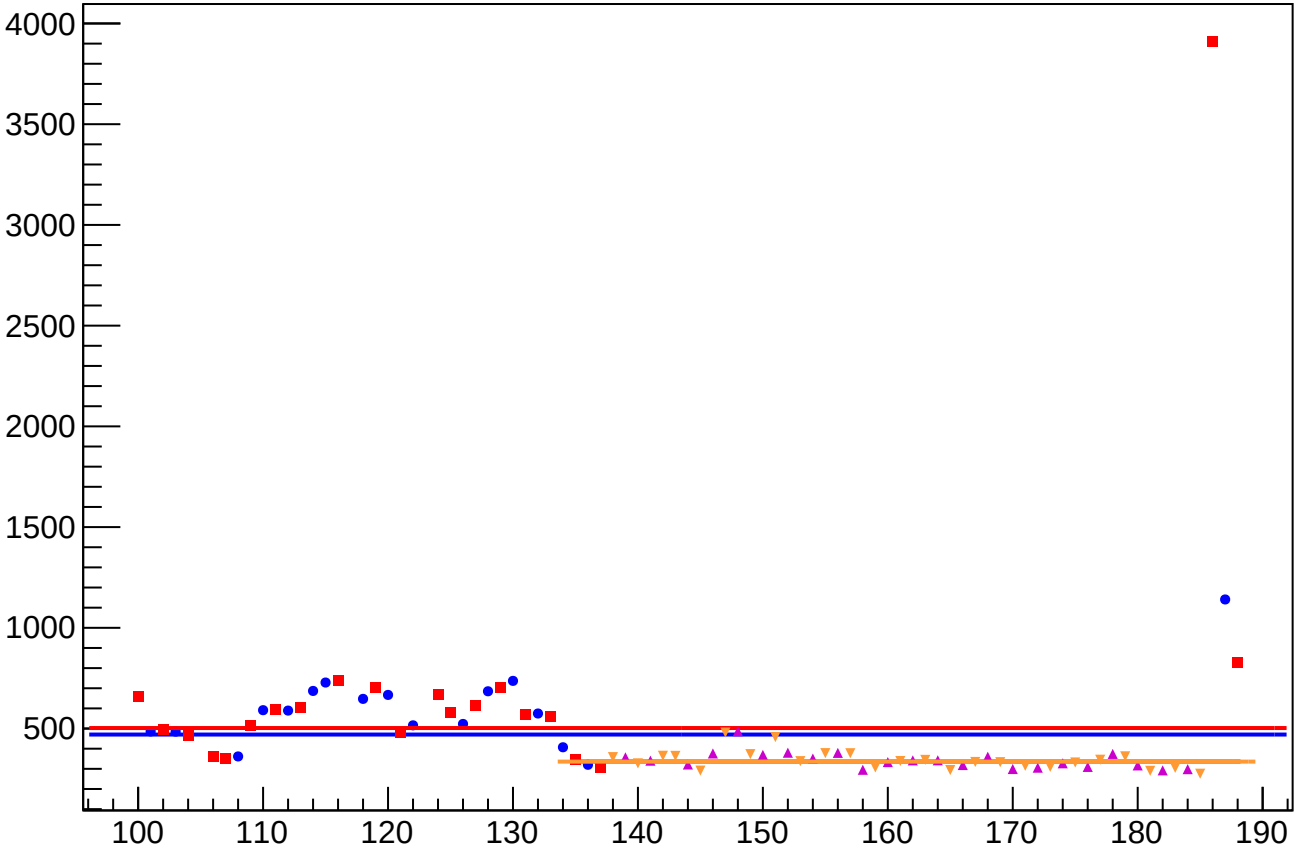
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.123+/-70.814 χ^2/NDF: 47.1/41

All: -65.971+/-50.641 χ^2/NDF: 101.6/85

- sign 2.224+/-72.449 χ^2/NDF: 52.8/43

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 470.227+/-0.127 χ^2/NDF: 1160671.5/16

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 502.569+/-0.127 χ^2/NDF: 1812064.6/20

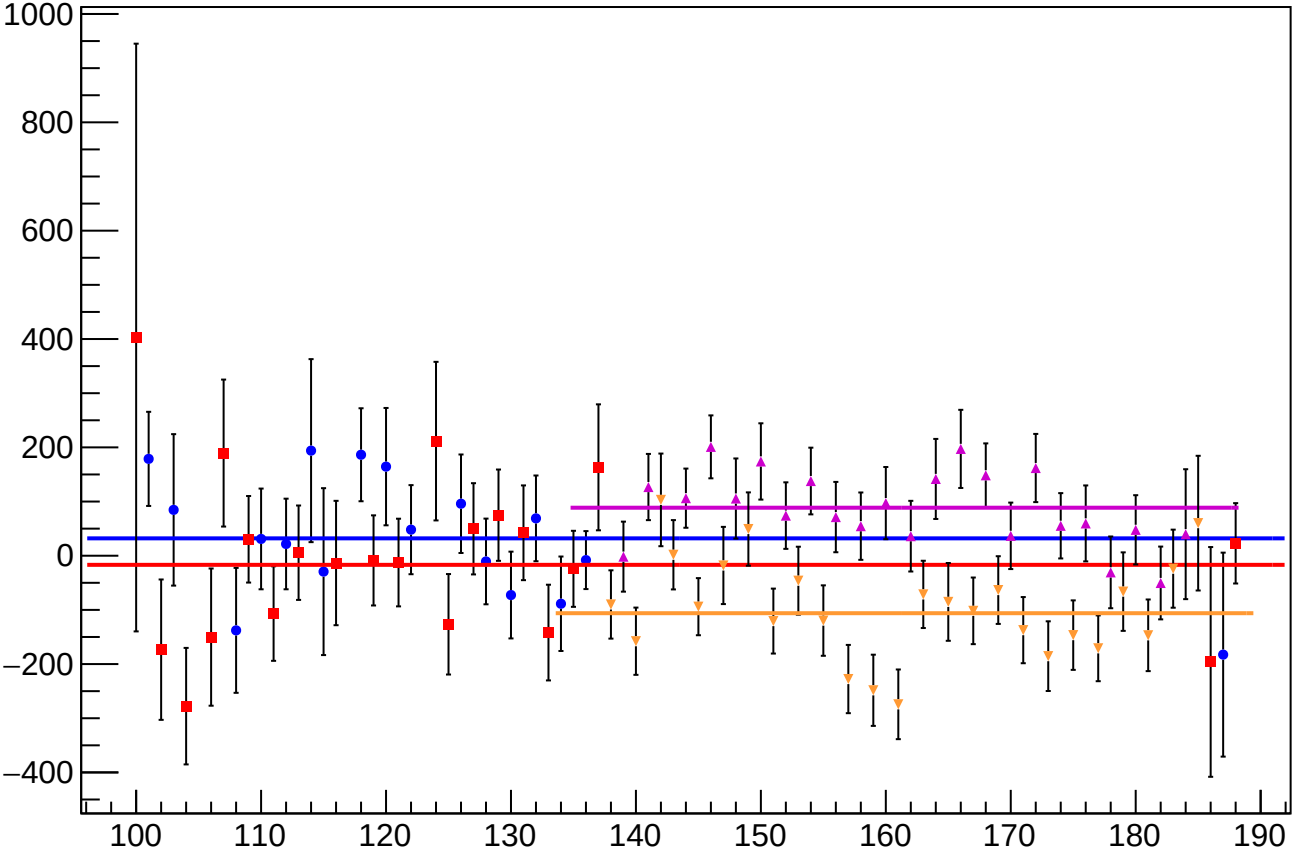
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 356.644+/-0.050 χ^2/NDF: 2634489.4/41

All: 359.969+/-0.036 χ^2/NDF: 6306627.1/85

- sign 363.448+/-0.051 χ^2/NDF: 3663115.8/43

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 32.050+/-21.983 χ^2/NDF: 17.5/16

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -16.831+/-21.110 χ^2/NDF: 24.4/20

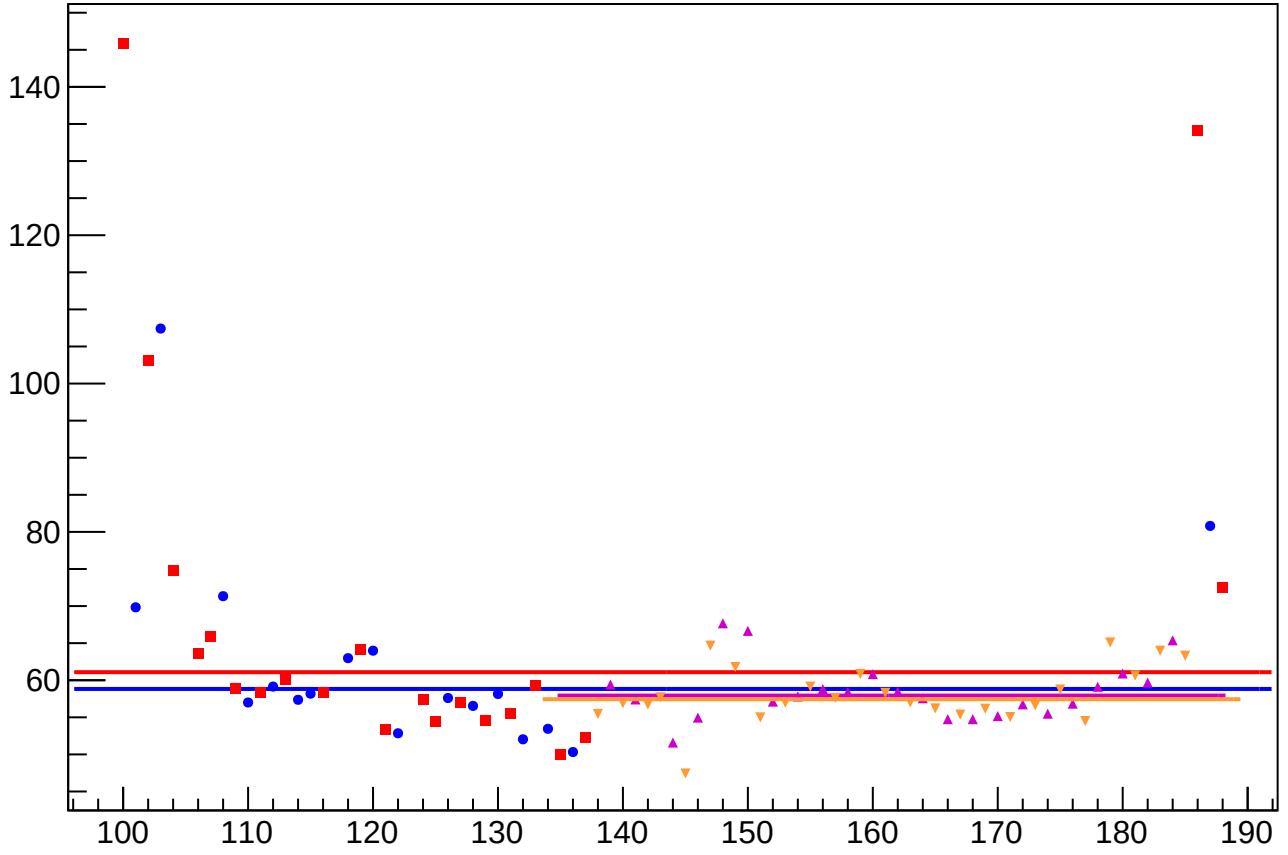
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -69.941+/-11.246 χ^2/NDF: 87.3/41

All: -7.008+/-8.011 χ^2/NDF: 216.8/85

- sign 57.800+/-11.413 χ^2/NDF: 65.9/43

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.825+/-0.016 χ^2/NDF: 420381.1/16

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

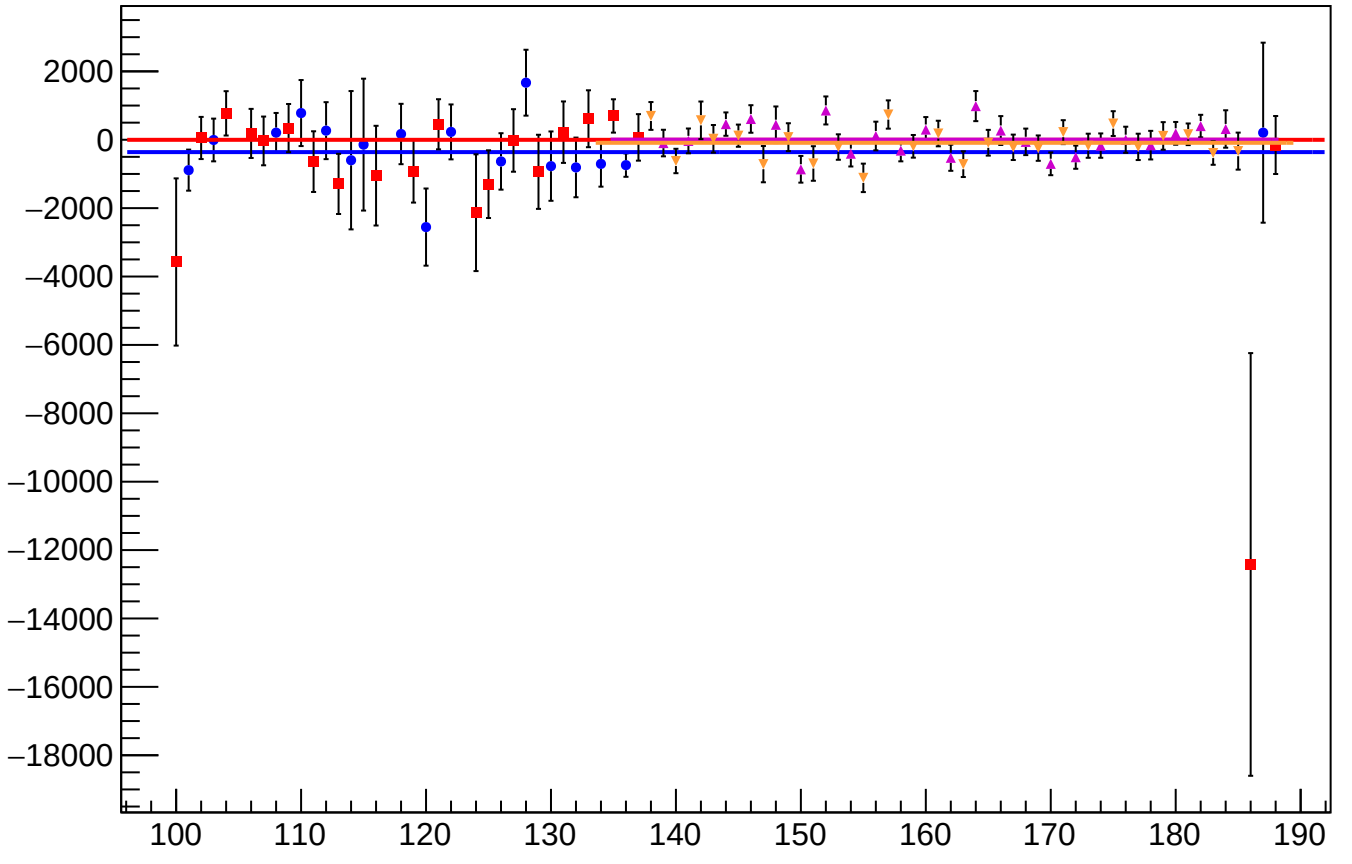
Right Out: 61.087+/-0.015 χ^2/NDF: 703764.8/20

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 57.803+/-0.008 χ^2/NDF: 600800.0/41

All: 58.321+/-0.006 χ^2/NDF: 1480676.8/85

- sign 58.855+/-0.008 χ^2/NDF: 871260.2/43



Right In: -361.366+/-180.178 χ^2/NDF: 15.3/16

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -2.002+/-179.414 χ^2/NDF: 19.2/20

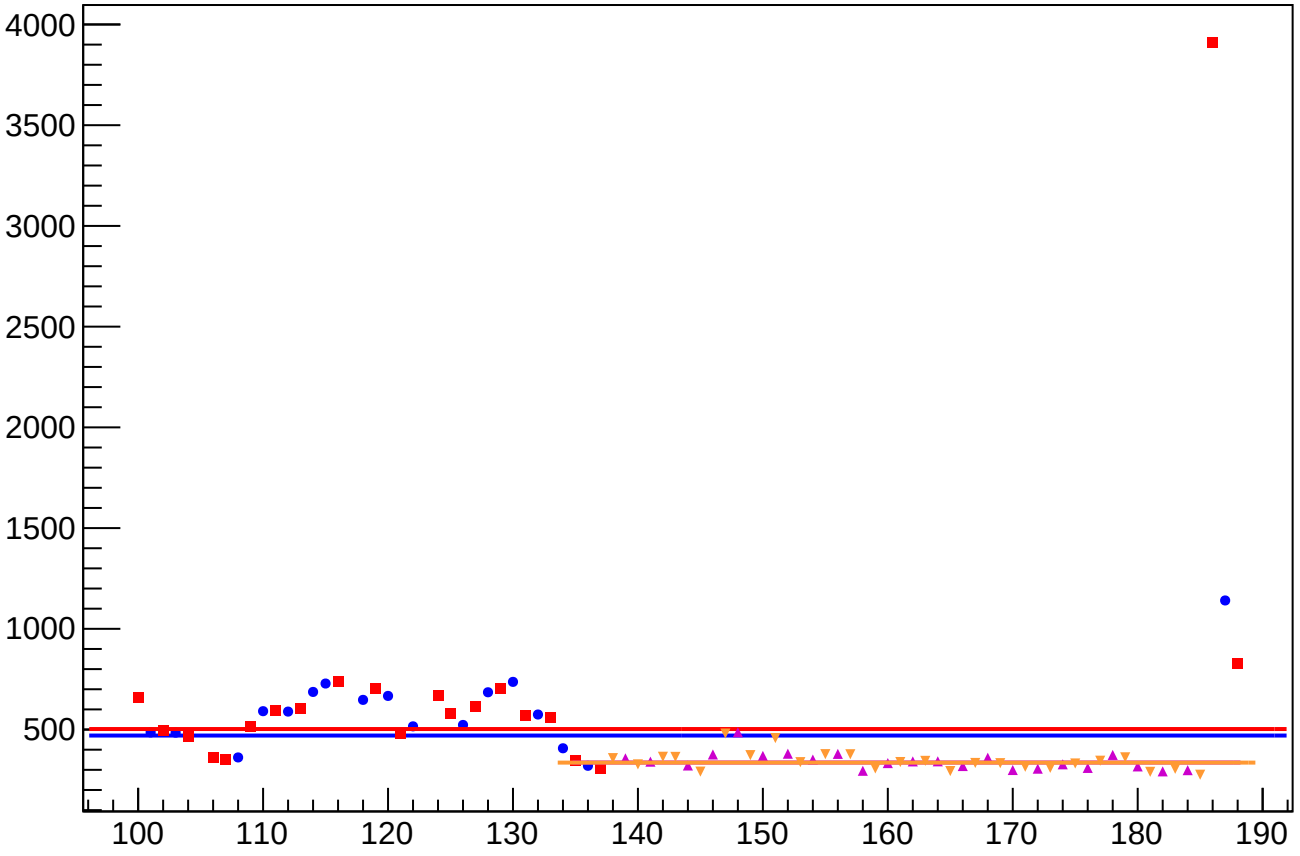
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.123+/-70.814 χ^2/NDF: 47.1/41

All: -65.971+/-50.641 χ^2/NDF: 101.6/85

- sign 2.224+/-72.449 χ^2/NDF: 52.8/43

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 470.227+/-0.127 χ^2/NDF: 1160671.5/16

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 502.569+/-0.127 χ^2/NDF: 1812064.6/20

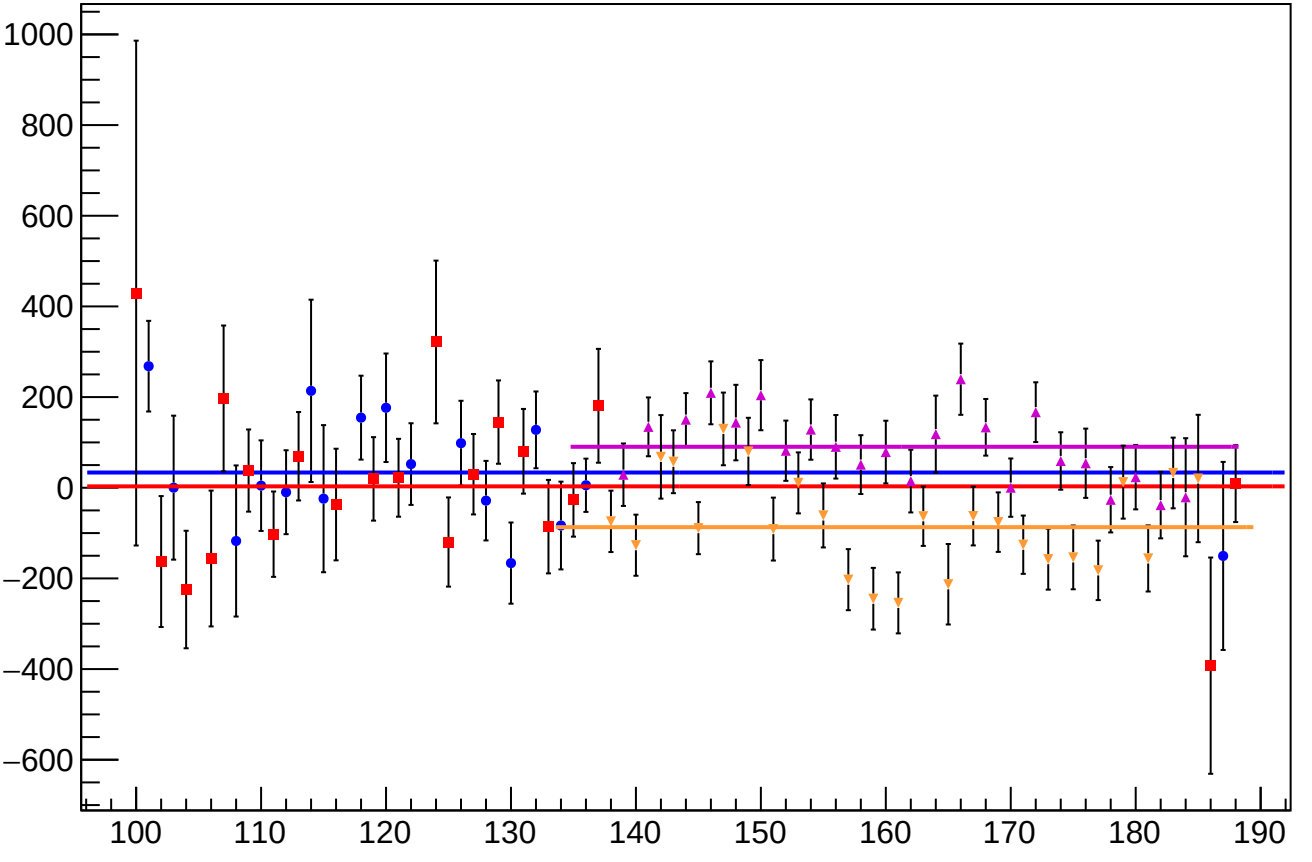
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 356.644+/-0.050 χ^2/NDF: 2634489.4/41

All: 359.969+/-0.036 χ^2/NDF: 6306627.1/85

- sign 363.448+/-0.051 χ^2/NDF: 3663115.8/43

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 33.595+/-24.303 χ^2/NDF: 20.4/16

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 3.045+/-23.480 χ^2/NDF: 23.1/20

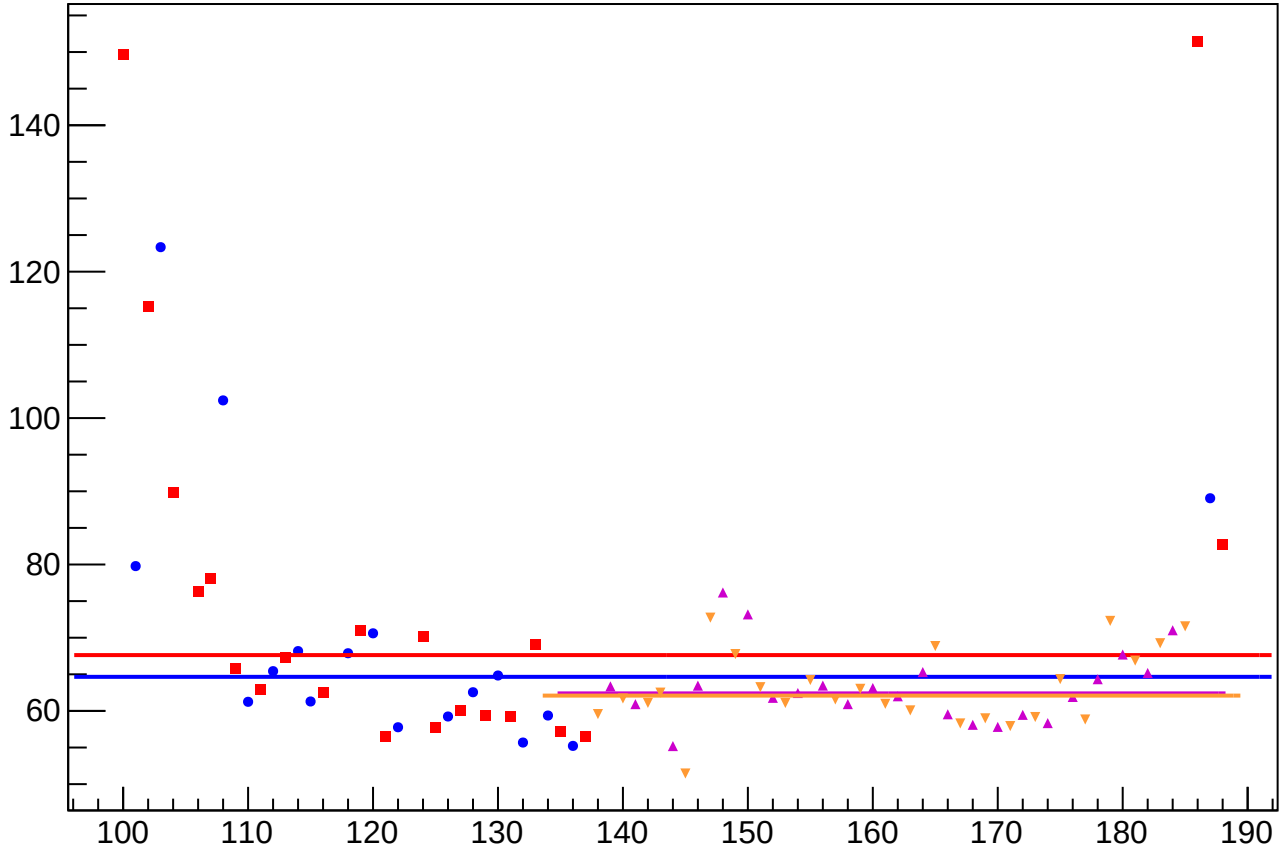
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -56.357+/-12.244 χ^2/NDF: 87.6/41

All: 3.826+/-8.724 χ^2/NDF: 194.8/85

- sign 65.880+/-12.433 χ^2/NDF: 58.1/43

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.656+/-0.017 χ^2/NDF: 560117.8/16

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

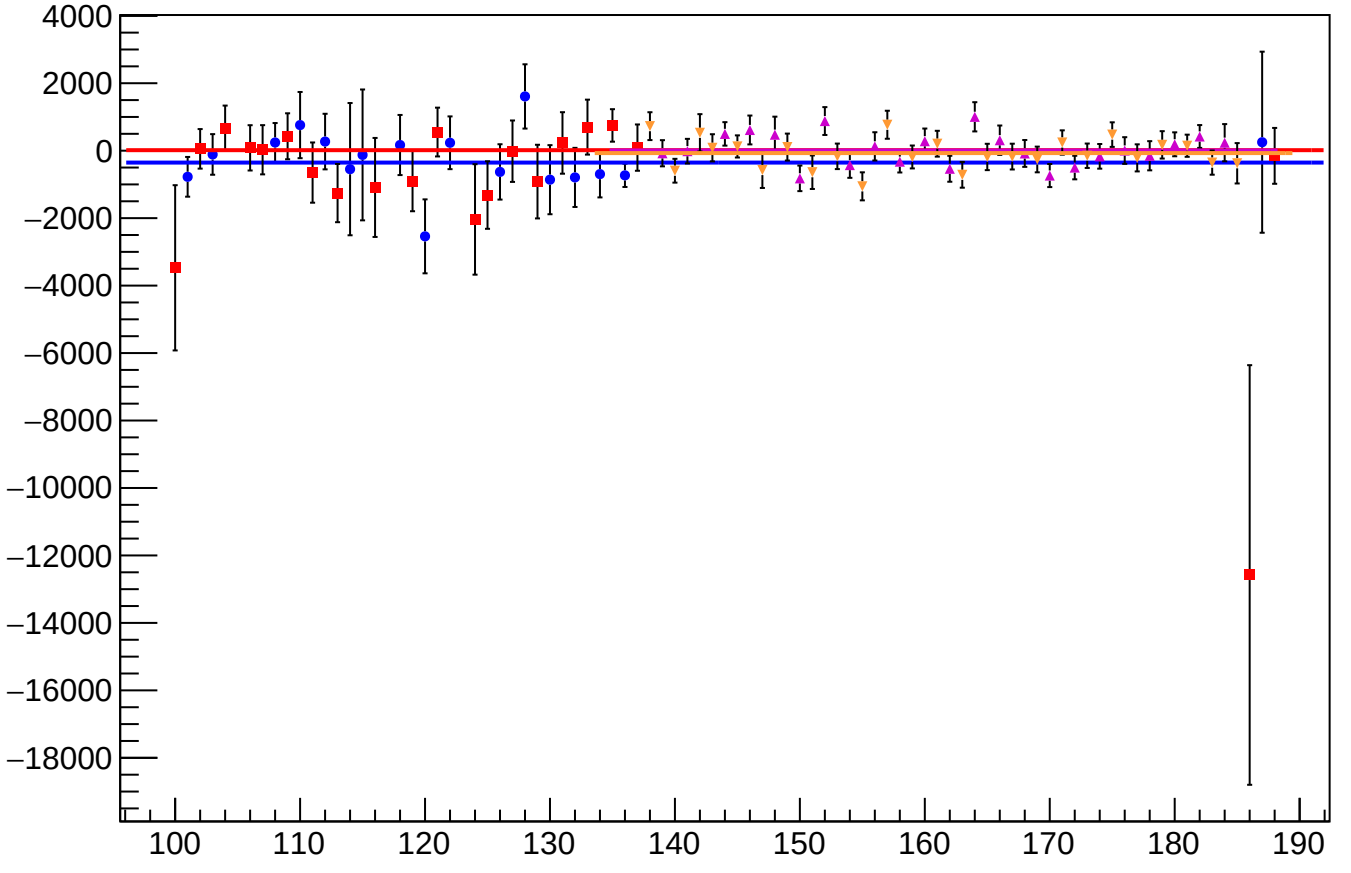
Right Out: 67.626+/-0.017 χ^2/NDF: 808307.8/20

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 62.744+/-0.009 χ^2/NDF: 810054.8/41

All: 63.294+/-0.006 χ^2/NDF: 1886830.7/85

- sign 63.862+/-0.009 χ^2/NDF: 1068562.8/43



Right In: -352.803+/-179.929 χ^2/NDF: 14.8/16

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 14.966+/-177.276 χ^2/NDF: 19.6/20

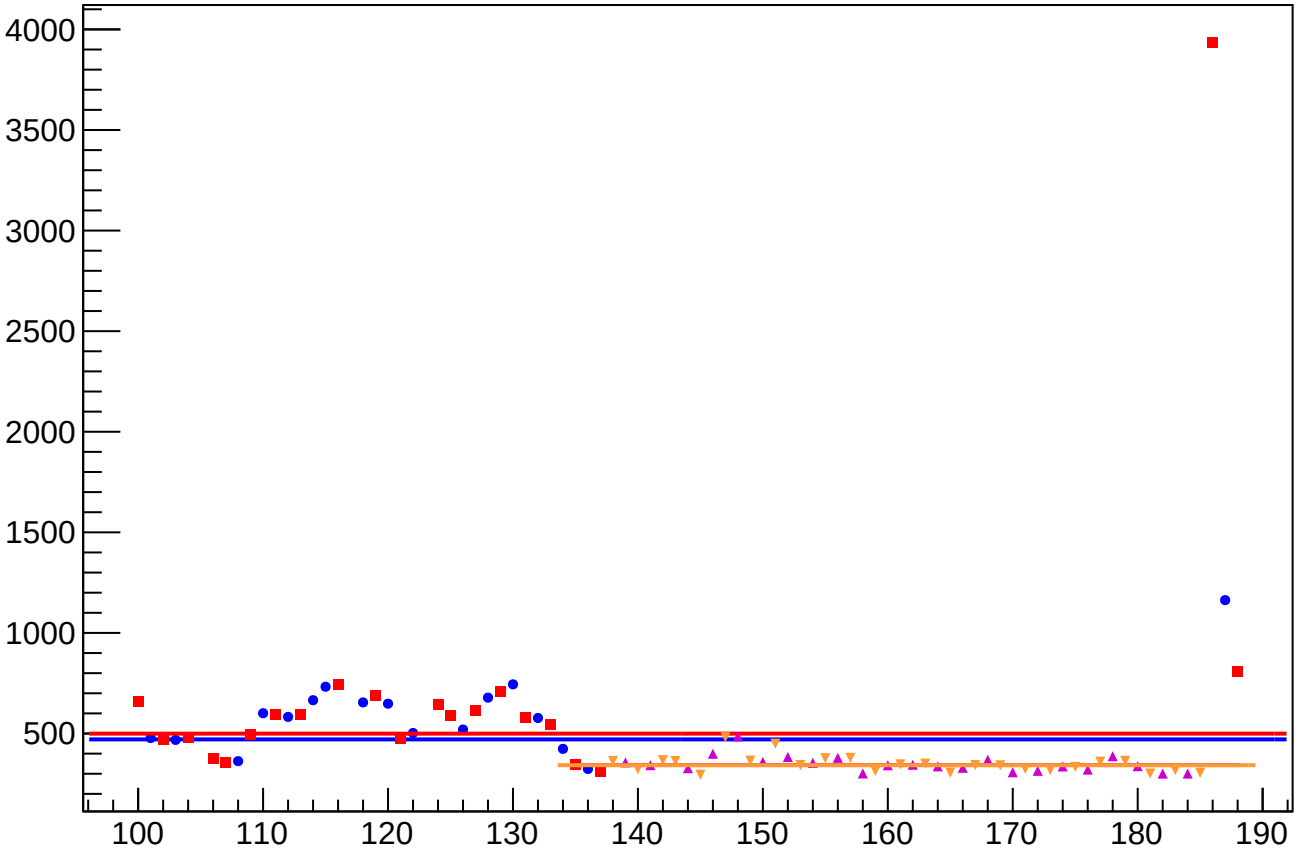
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.237+/-71.873 χ^2/NDF: 45.5/41

All: -55.673+/-51.385 χ^2/NDF: 100.5/85

- sign 7.652+/-73.493 χ^2/NDF: 53.6/43

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 470.799+/-0.127 χ^2/NDF: 1119595.5/16

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 499.383+/-0.125 χ^2/NDF: 1762062.6/20

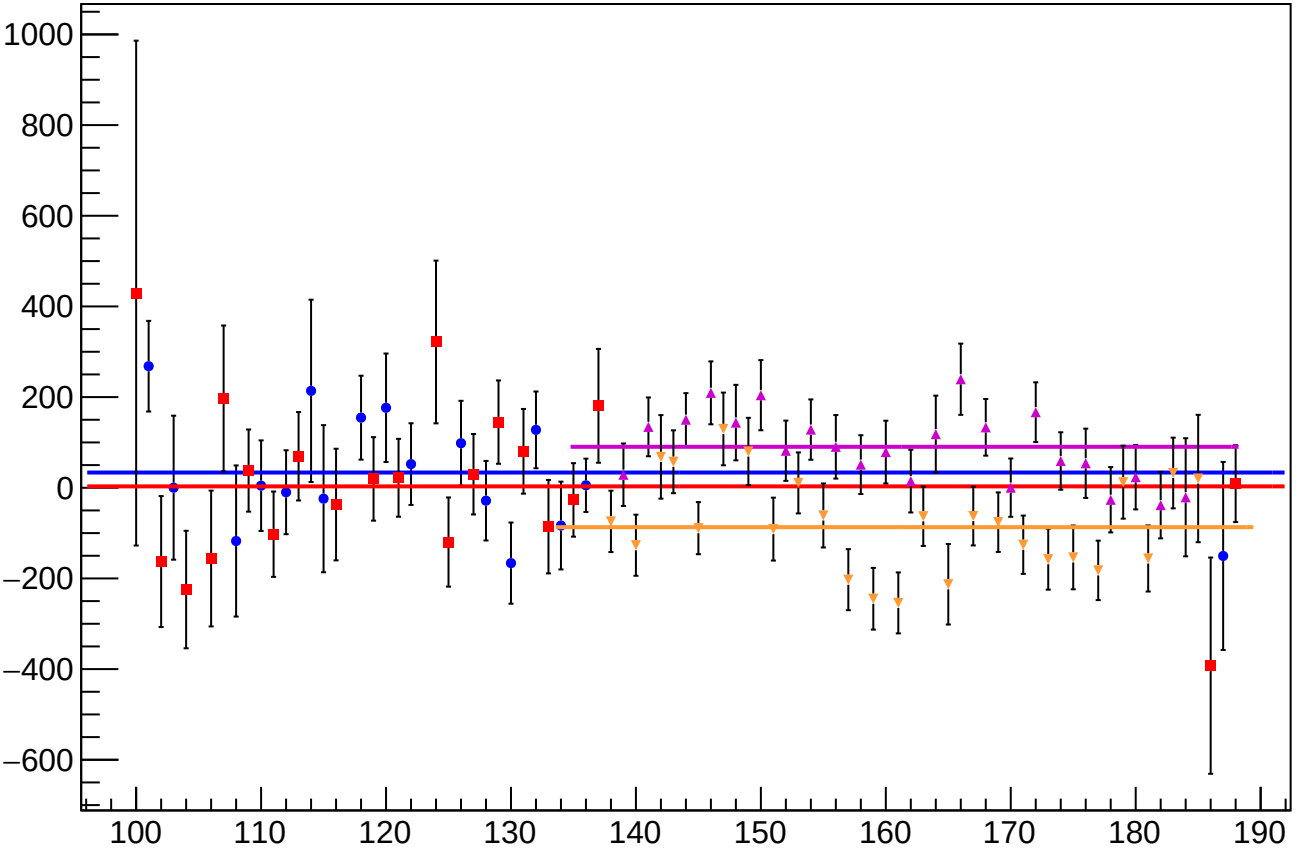
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 362.974+/-0.051 χ^2/NDF: 2408411.0/41

All: 366.448+/-0.036 χ^2/NDF: 5837866.3/85

- sign 370.080+/-0.052 χ^2/NDF: 3419897.7/43

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 33.596+/-24.303 χ^2/NDF: 20.4/16

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 3.045+/-23.480 χ^2/NDF: 23.1/20

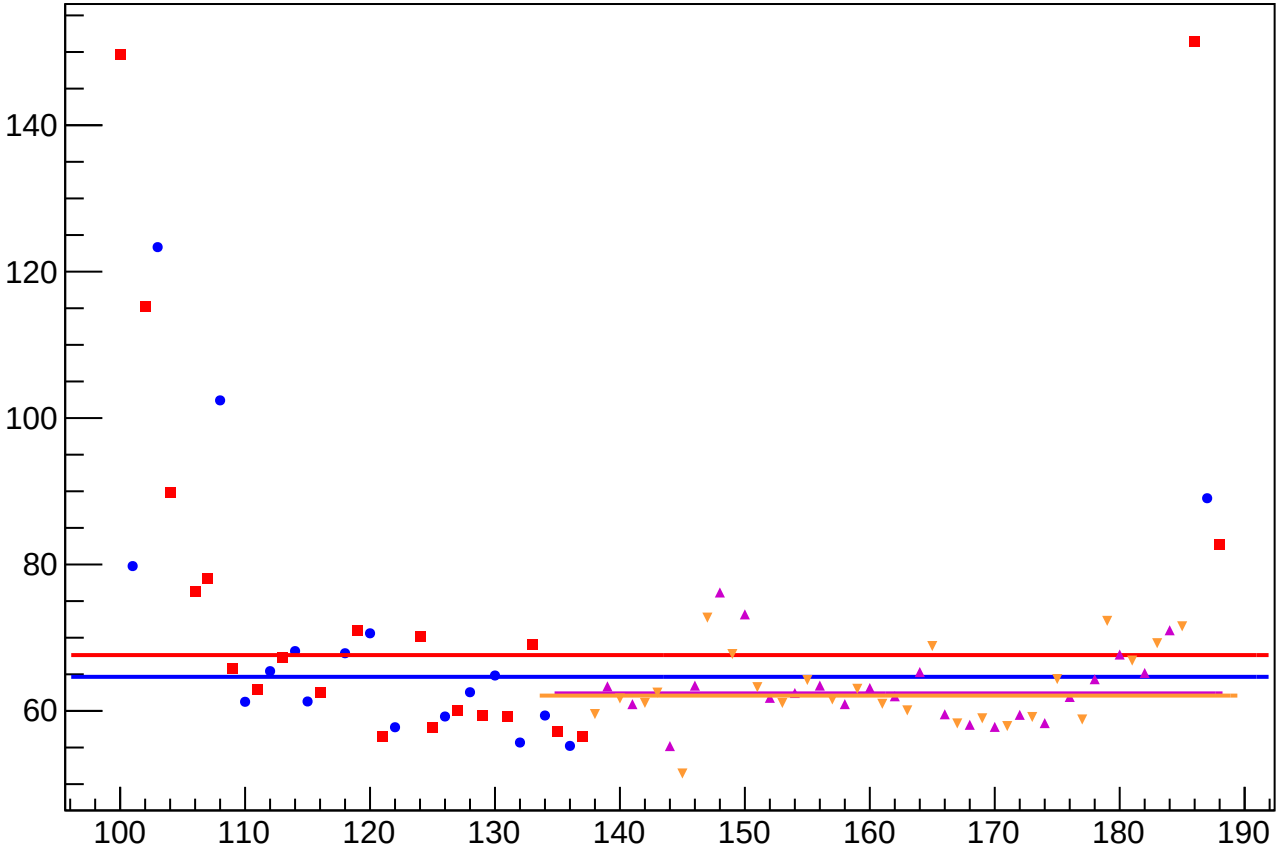
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -56.357+/-12.244 χ^2/NDF: 87.6/41

All: 3.826+/-8.724 χ^2/NDF: 194.8/85

- sign 65.880+/-12.433 χ^2/NDF: 58.1/43

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.656+/-0.017 χ^2/NDF: 560126.9/16

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

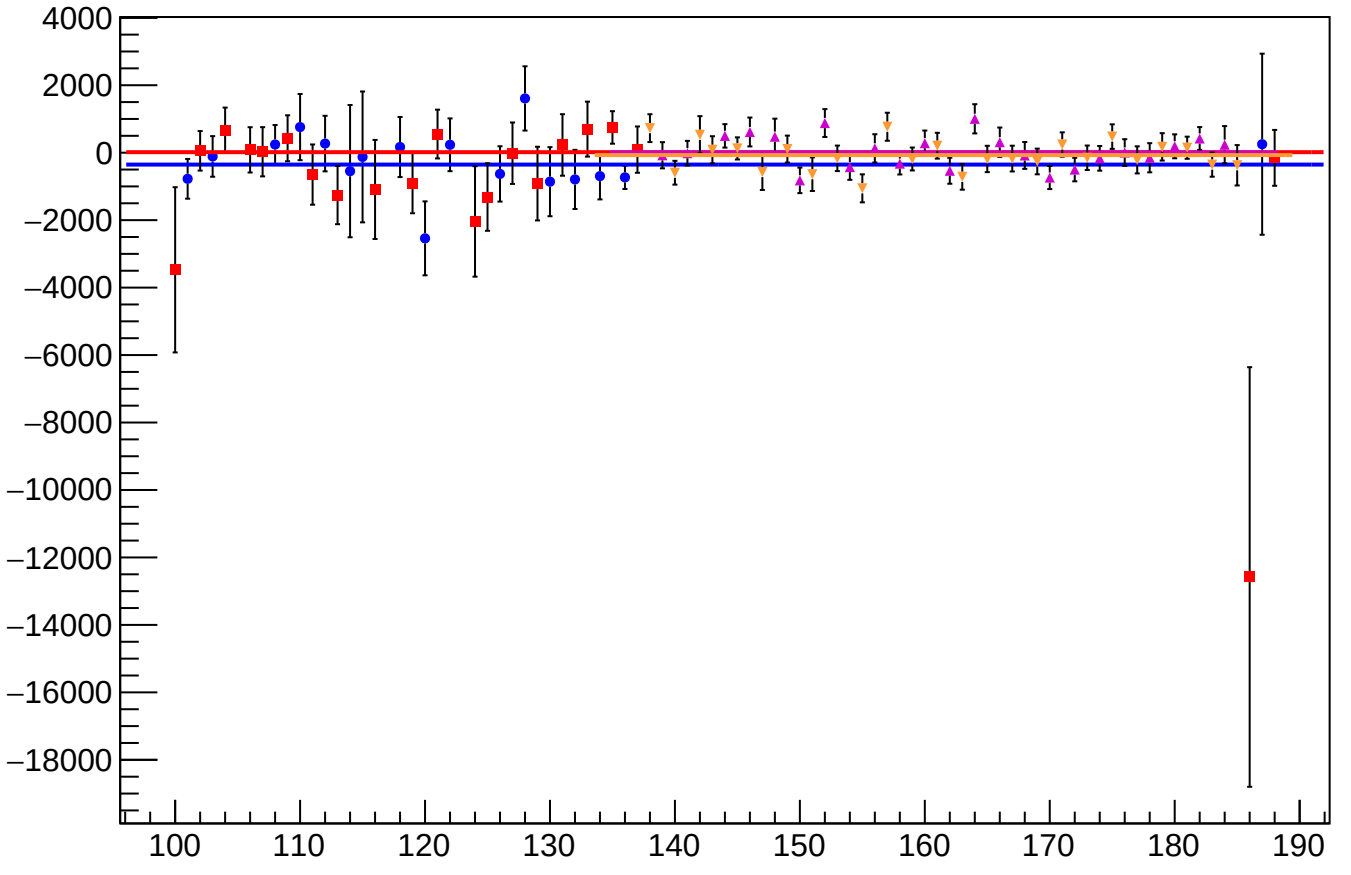
Right Out: 67.626+/-0.017 χ^2/NDF: 808307.7/20

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 62.744+/-0.009 χ^2/NDF: 810066.7/41

All: 63.294+/-0.006 χ^2/NDF: 1886843.4/85

- sign 63.862+/-0.009 χ^2/NDF: 1068563.2/43



Right In: -352.802+/-179.929 χ^2/NDF: 14.8/16

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

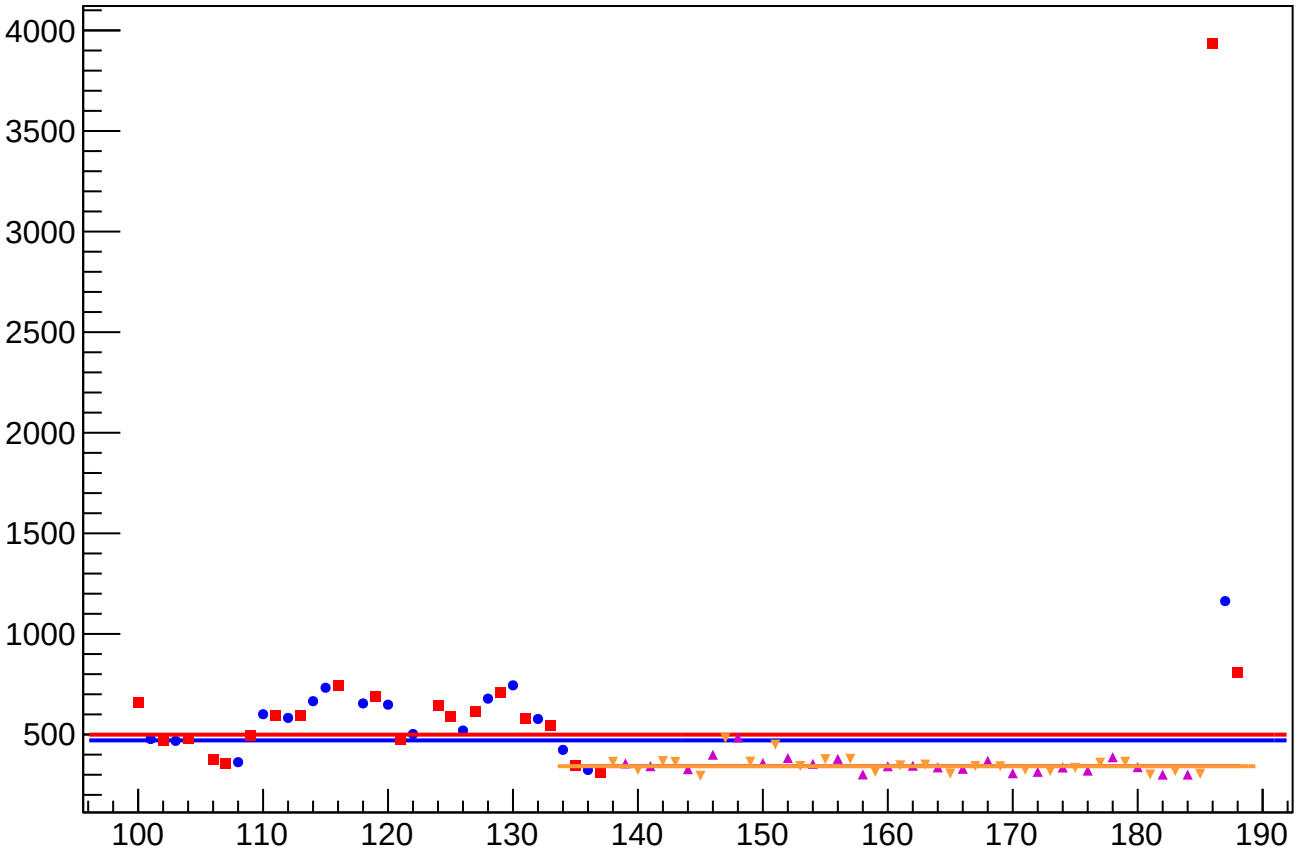
Right Out: 14.967+/-177.276 χ^2/NDF: 19.6/20

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.237+/-71.873 χ^2/NDF: 45.5/41

All: -55.673+/-51.385 χ^2/NDF: 100.5/85

- sign 7.652+/-73.493 χ^2/NDF: 53.6/43



Right In: 470.799+/-0.127 χ^2/NDF: 1119597.2/16

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 499.383+/-0.125 χ^2/NDF: 1762062.4/20

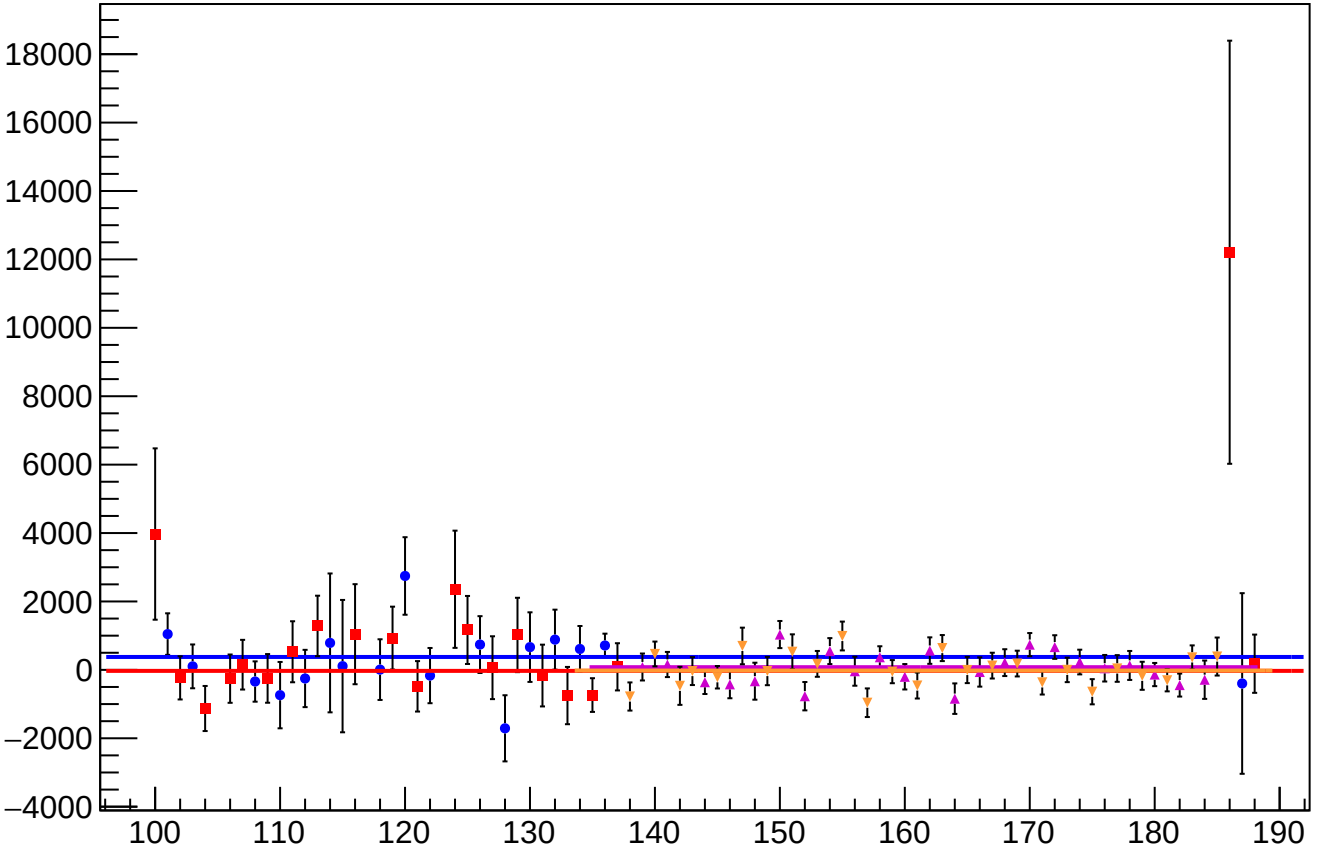
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 362.974+/-0.051 χ^2/NDF: 2408408.6/41

All: 366.448+/-0.036 χ^2/NDF: 5837854.0/85

- sign 370.080+/-0.052 χ^2/NDF: 3419887.5/43

asym_sam_13_57_dd_mean vs Slug



Right In: 377.375+/-182.220 χ^2/NDF: 16.2/16

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -29.486+/-180.949 χ^2/NDF: 21.5/20

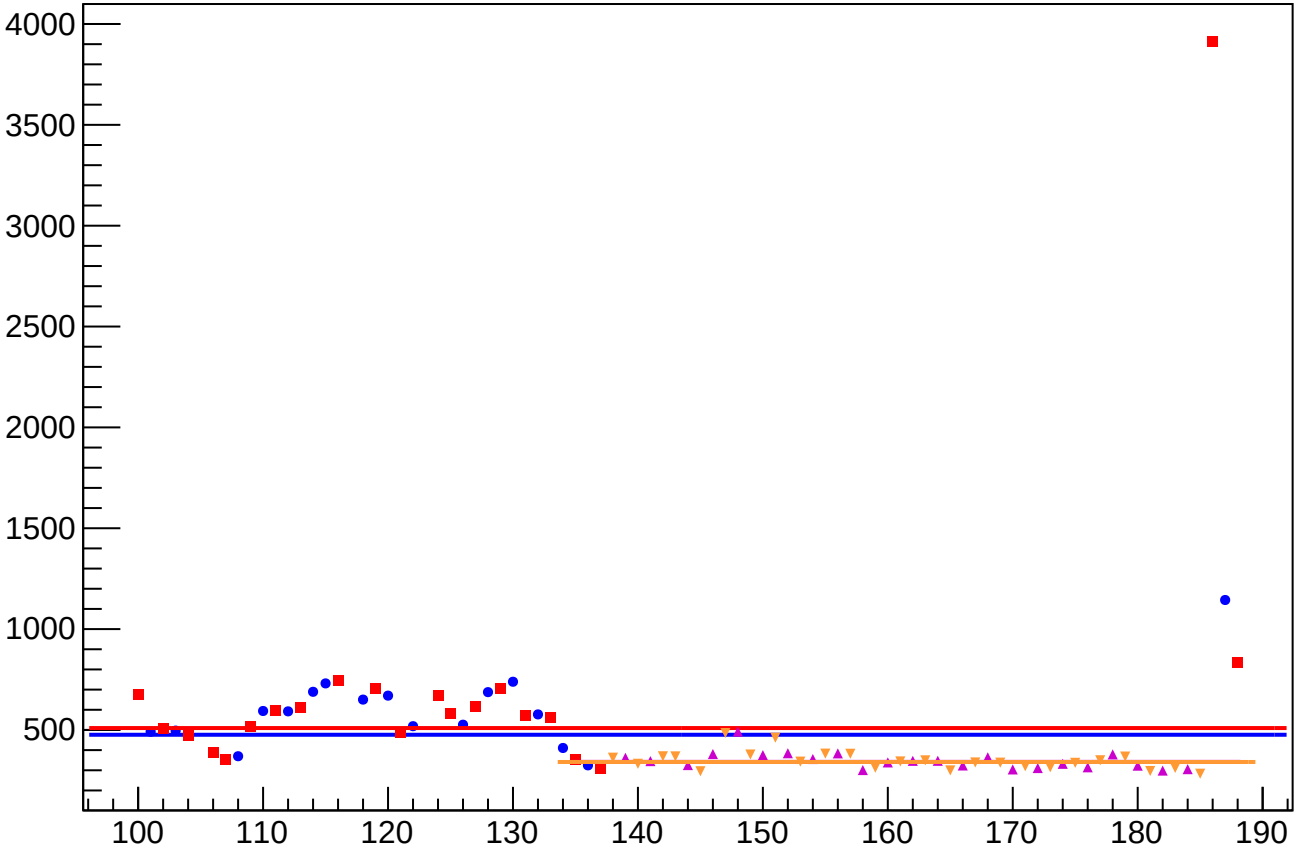
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 41.568+/-71.859 χ^2/NDF: 51.7/41

All: 51.006+/-51.376 χ^2/NDF: 106.4/85

- sign 60.875+/-73.481 χ^2/NDF: 54.7/43

asym_sam_13_57_dd_rms vs Slug



Right In: 476.122+/-0.129 χ^2/NDF: 1128961.5/16

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 509.386+/-0.128 χ^2/NDF: 1759698.1/20

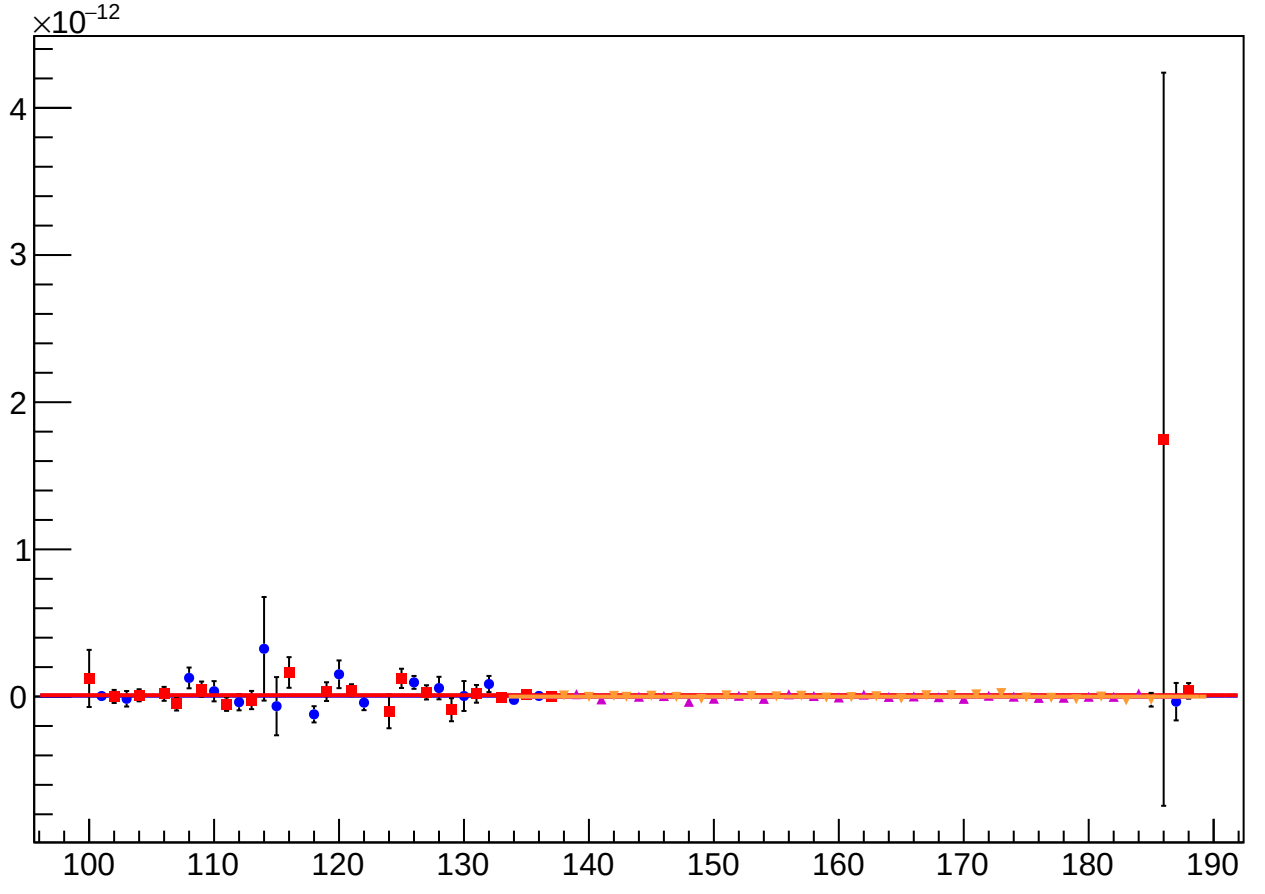
Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 362.182+/-0.051 χ^2/NDF: 2565797.5/41

All: 365.656+/-0.036 χ^2/NDF: 6167600.3/85

- sign 369.288+/-0.052 χ^2/NDF: 3592240.6/43

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

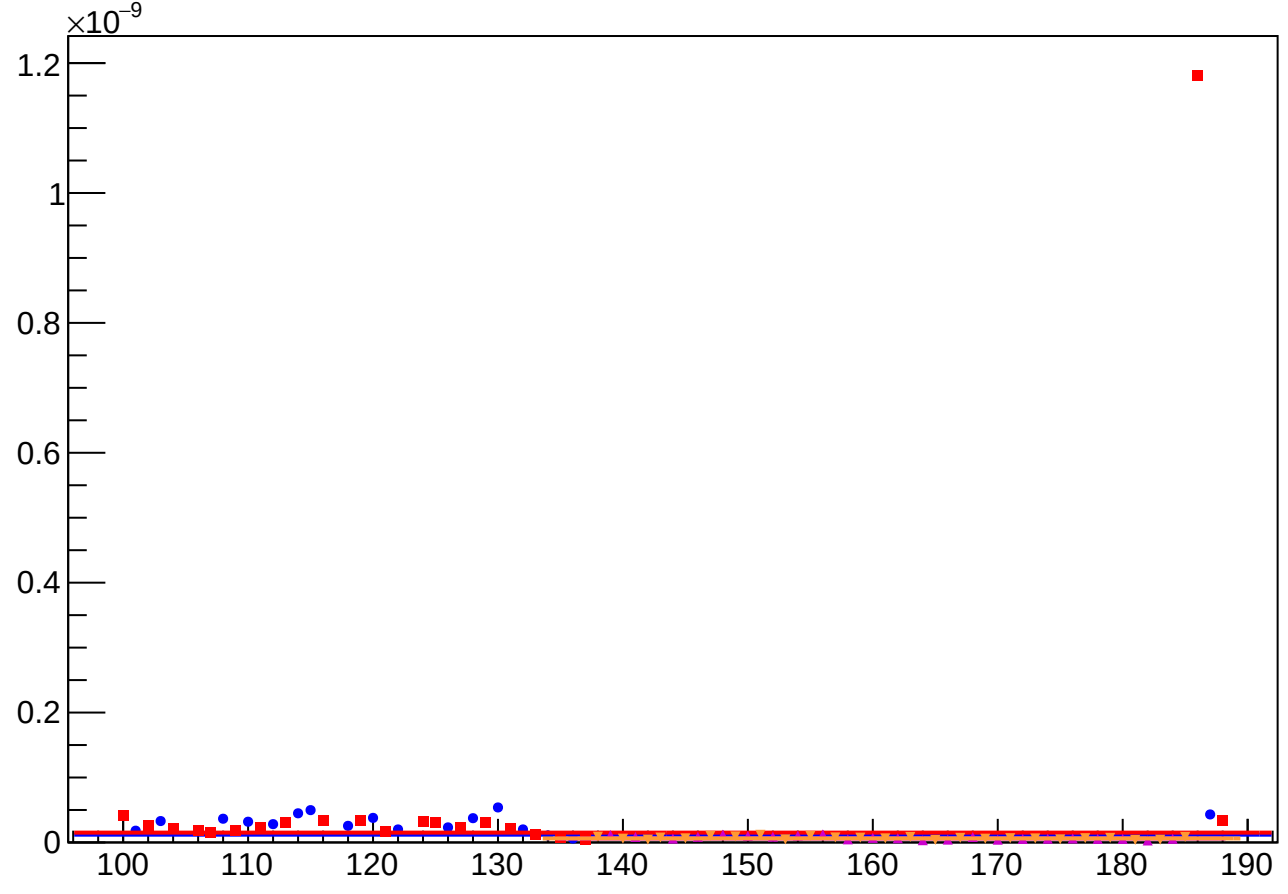
Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/20

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.9/41

All: -0.000+/-0.000 χ^2/NDF: 71.8/85

- sign -0.000+/-0.000 χ^2/NDF: 30.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 2968847.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

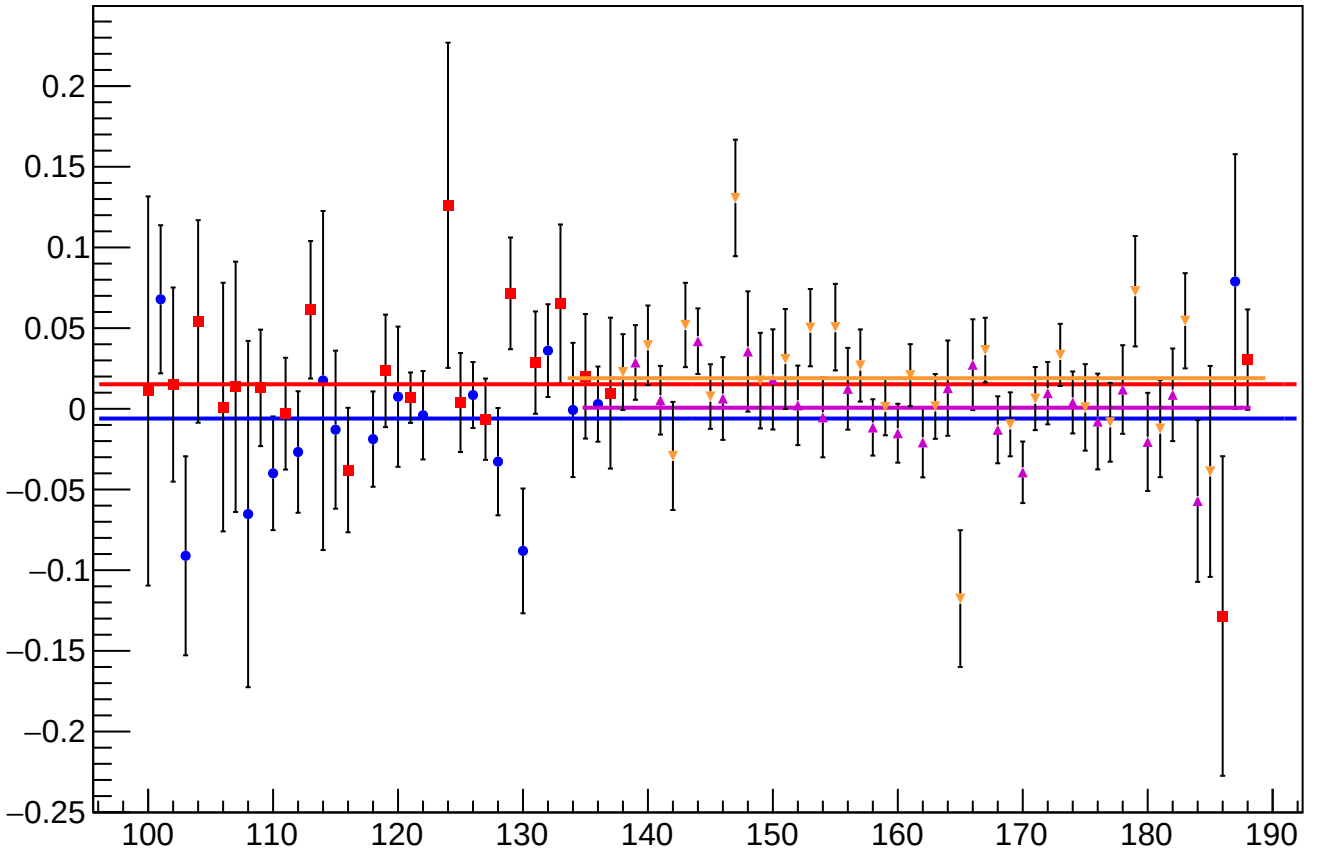
Right Out: 0.000+/-0.000 χ^2/NDF: 2471650.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5074830.0/41

All: 0.000+/-0.000 χ^2/NDF: 11055701.1/85

- sign 0.000+/-0.000 χ^2/NDF: 5980871.0/43



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

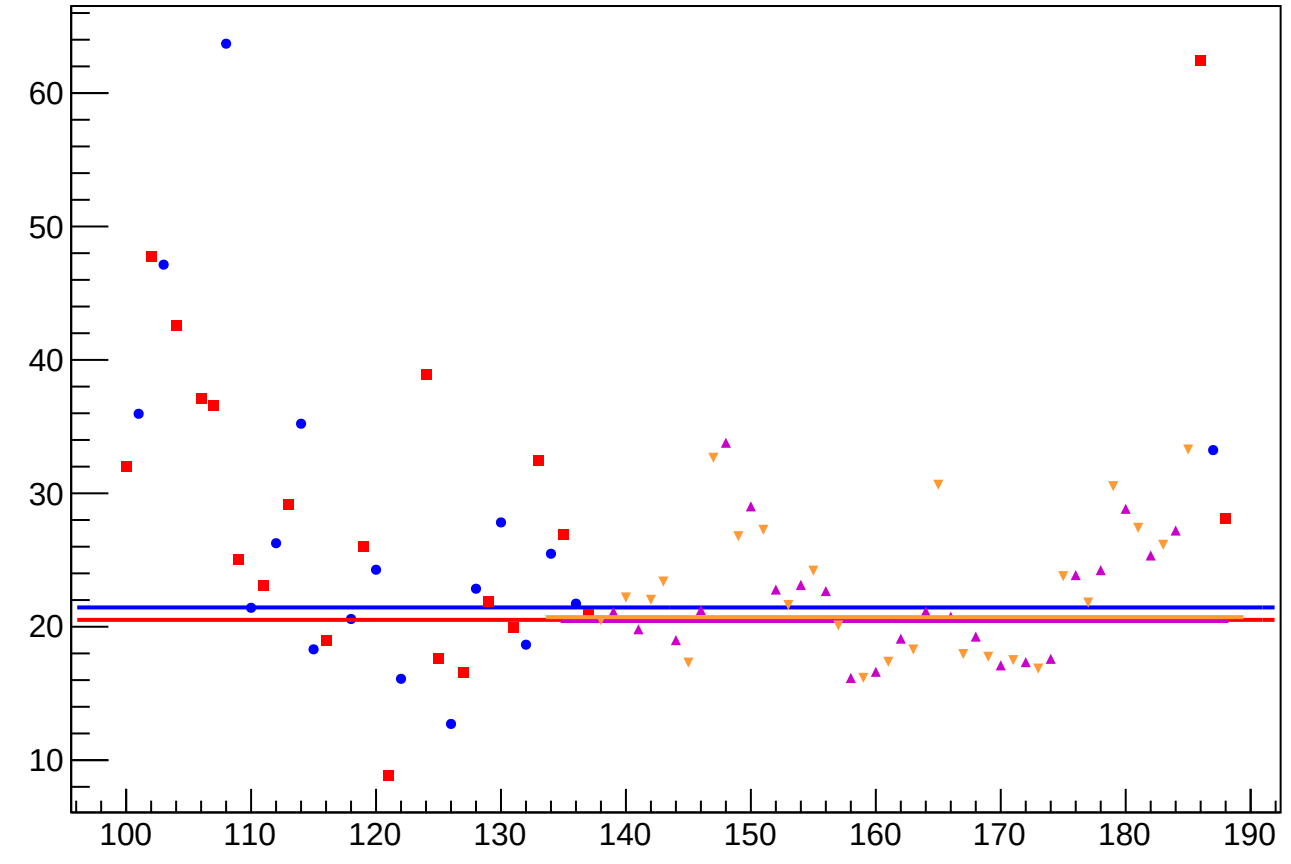
Right Out: 0.015+/-0.008 χ^2/NDF: 12.4/20

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

\+ sign 0.013+/-0.004 χ^2/NDF: 63.1/41

All: 0.009+/-0.003 χ^2/NDF: 97.5/85

\- sign 0.005+/-0.004 χ^2/NDF: 32.5/43



Right In: 21.446+/-0.006 χ^2/NDF: 1524618.2/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

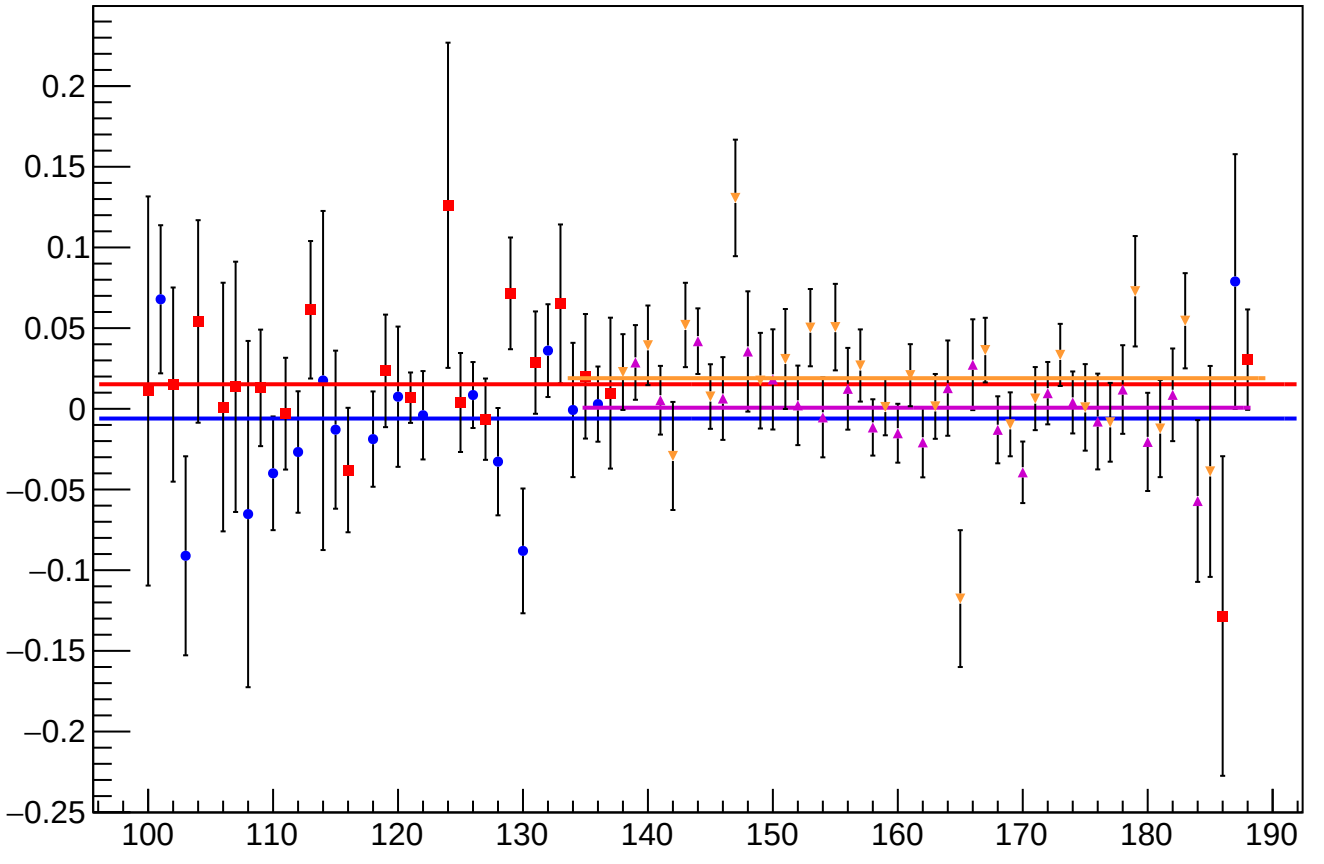
Right Out: 20.516+/-0.006 χ^2/NDF: 2935759.4/20

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.896+/-0.003 χ^2/NDF: 3041902.4/41

All: 20.672+/-0.002 χ^2/NDF: 7162821.3/85

- sign 20.453+/-0.003 χ^2/NDF: 4109882.7/43



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

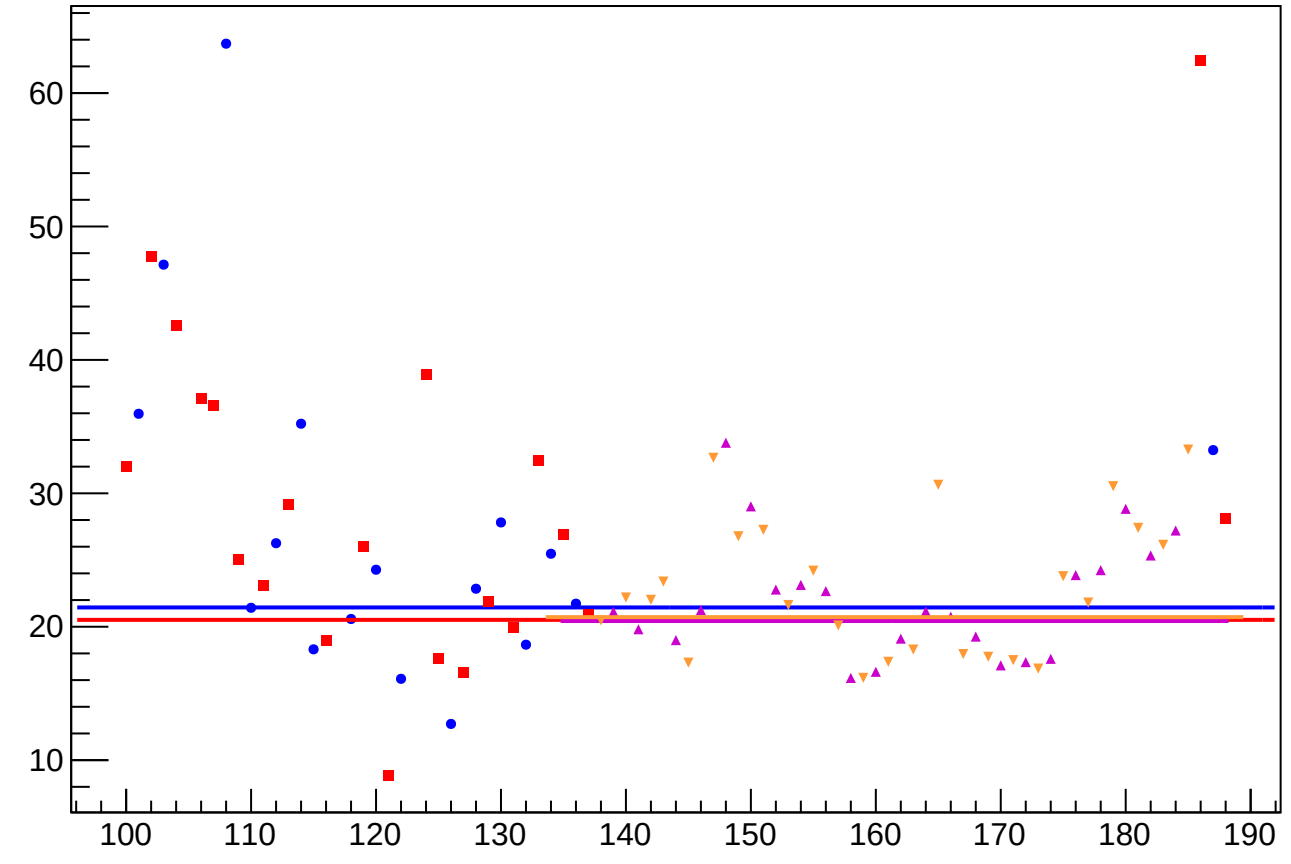
Right Out: 0.015+/-0.008 χ^2/NDF: 12.4/20

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

\+ sign 0.013+/-0.004 χ^2/NDF: 63.1/41

All: 0.009+/-0.003 χ^2/NDF: 97.5/85

\- sign 0.005+/-0.004 χ^2/NDF: 32.5/43



Right In: 21.446+/-0.006 χ^2/NDF: 1524618.2/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

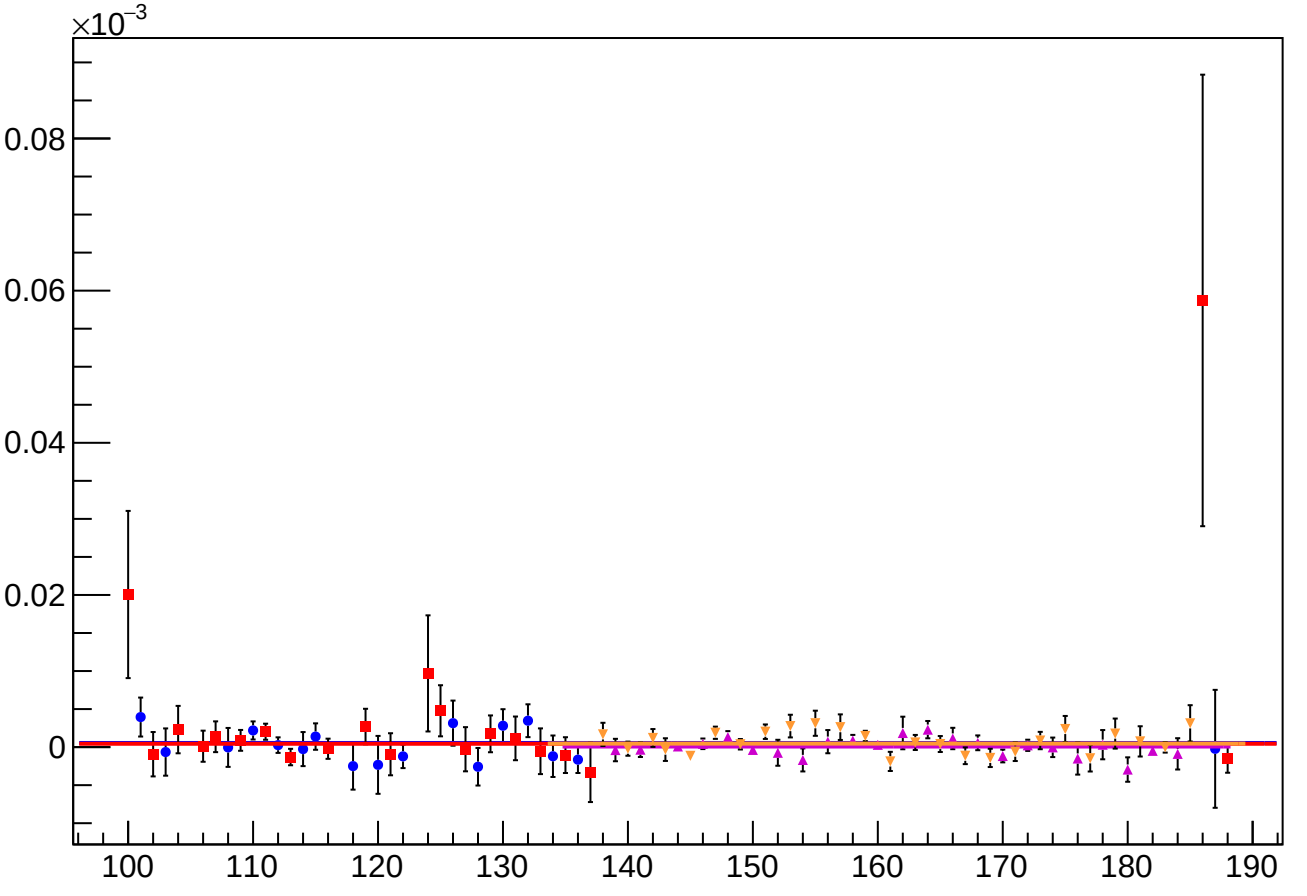
Right Out: 20.516+/-0.006 χ^2/NDF: 2935759.4/20

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.896+/-0.003 χ^2/NDF: 3041902.4/41

All: 20.672+/-0.002 χ^2/NDF: 7162821.3/85

- sign 20.453+/-0.003 χ^2/NDF: 4109882.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

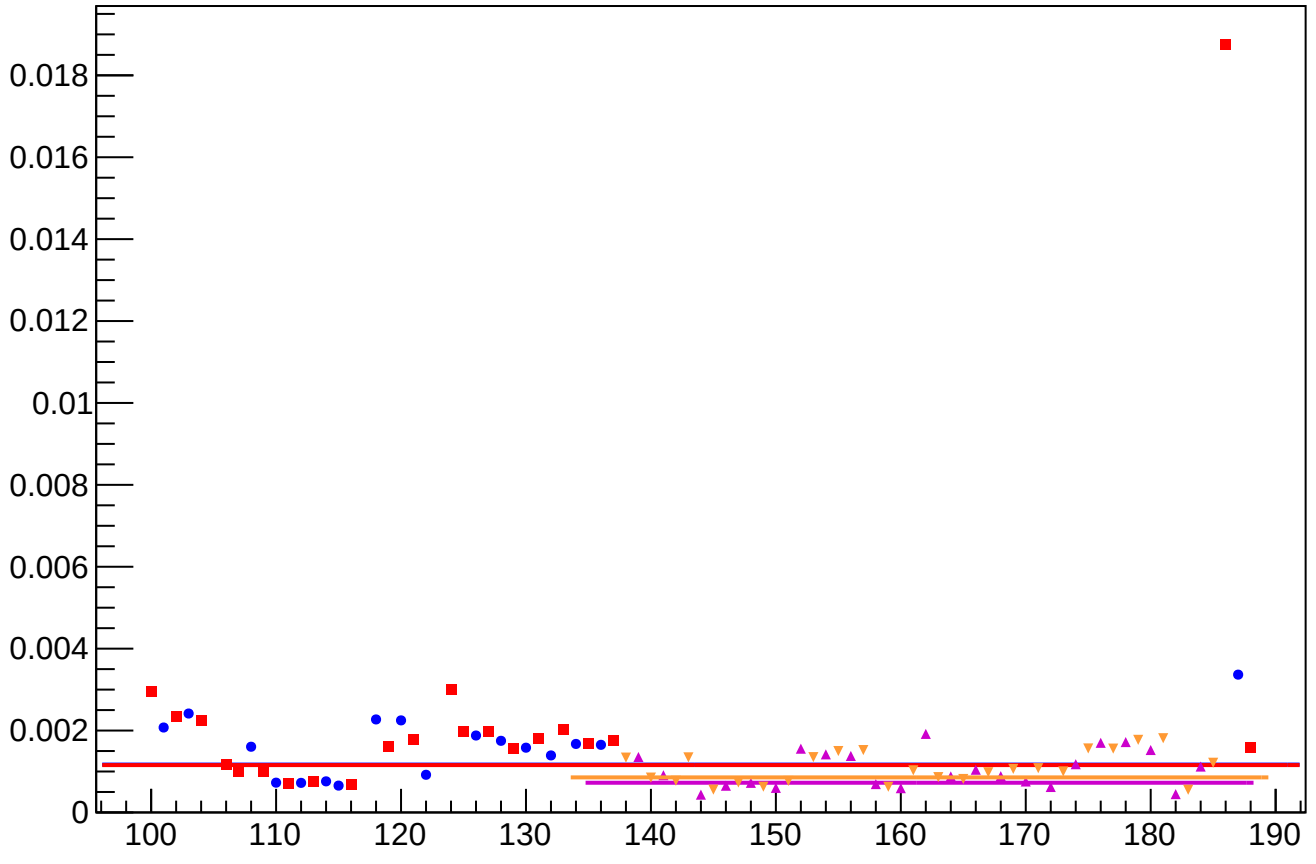
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/20

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.2/41

All: 0.000+/-0.000 χ^2/NDF: 93.4/85

- sign 0.000+/-0.000 χ^2/NDF: 40.5/43



Right In: 0.001+/-0.000 χ^2/NDF: 2695843.9/16

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

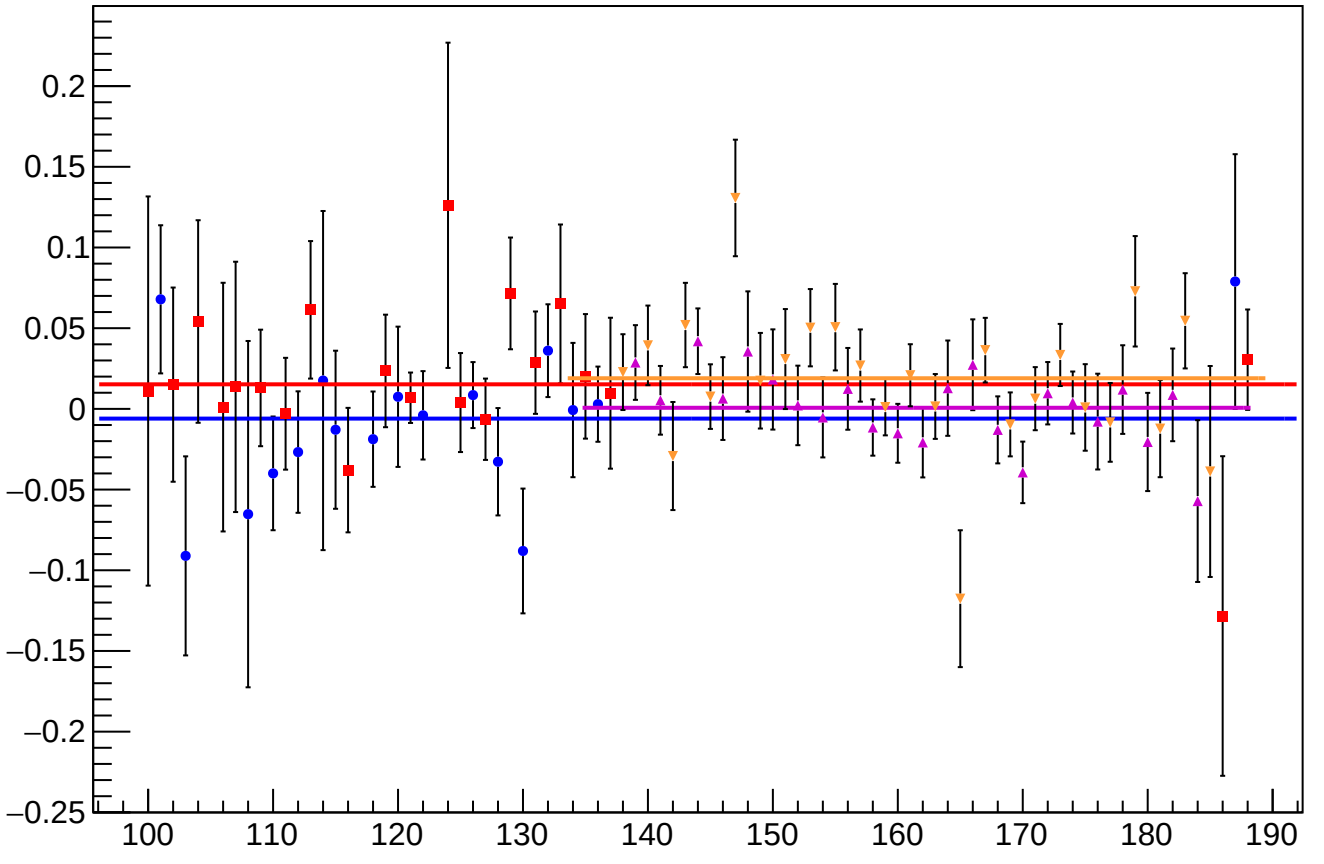
Right Out: 0.001+/-0.000 χ^2/NDF: 3446475.1/20

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 7851254.6/41

All: 0.001+/-0.000 χ^2/NDF: 19106734.5/85

- sign 0.001+/-0.000 χ^2/NDF: 10846929.3/43



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

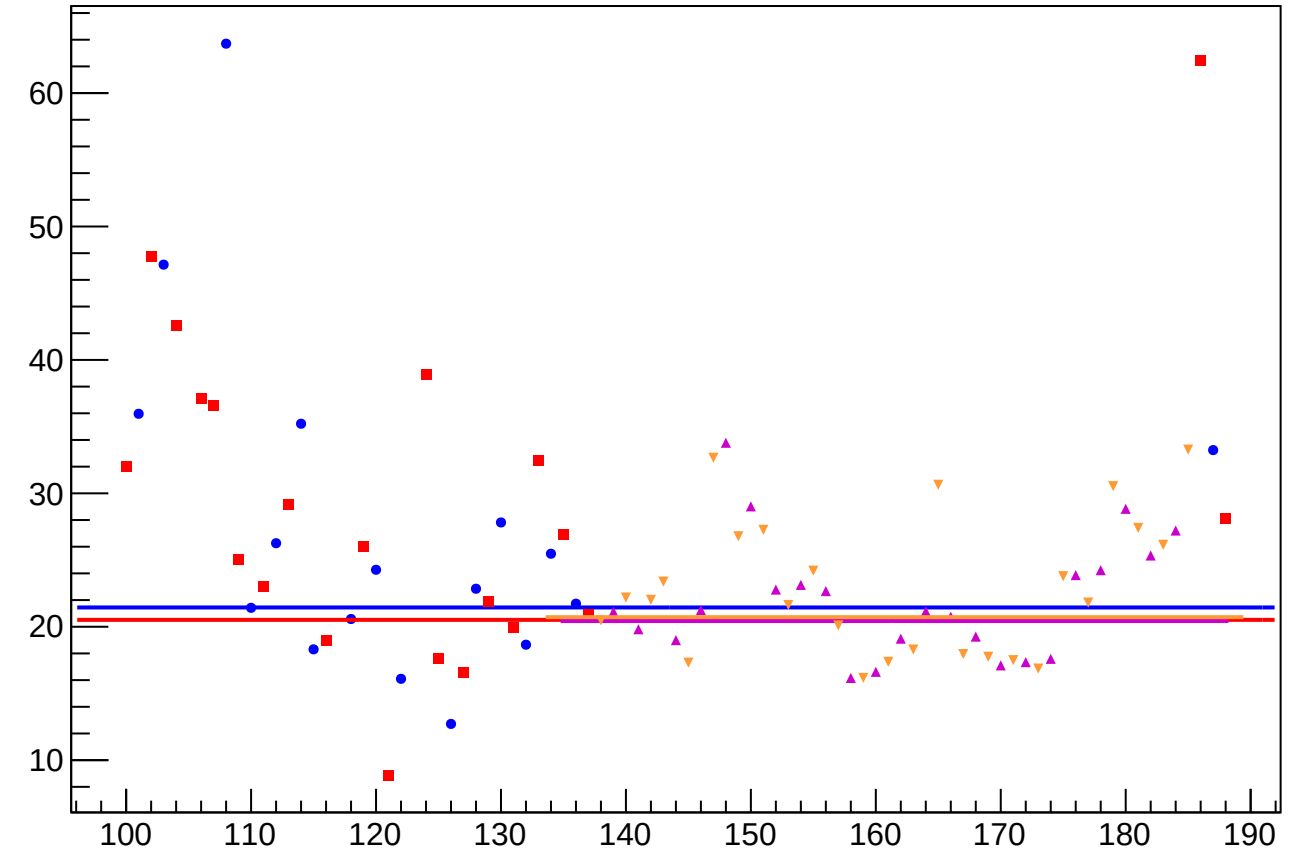
Right Out: 0.015+/-0.008 χ^2/NDF: 12.4/20

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

\+ sign 0.013+/-0.004 χ^2/NDF: 63.1/41

All: 0.009+/-0.003 χ^2/NDF: 97.5/85

\- sign 0.005+/-0.004 χ^2/NDF: 32.5/43



Right In: 21.446+/-0.006 χ^2/NDF: 1524454.6/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

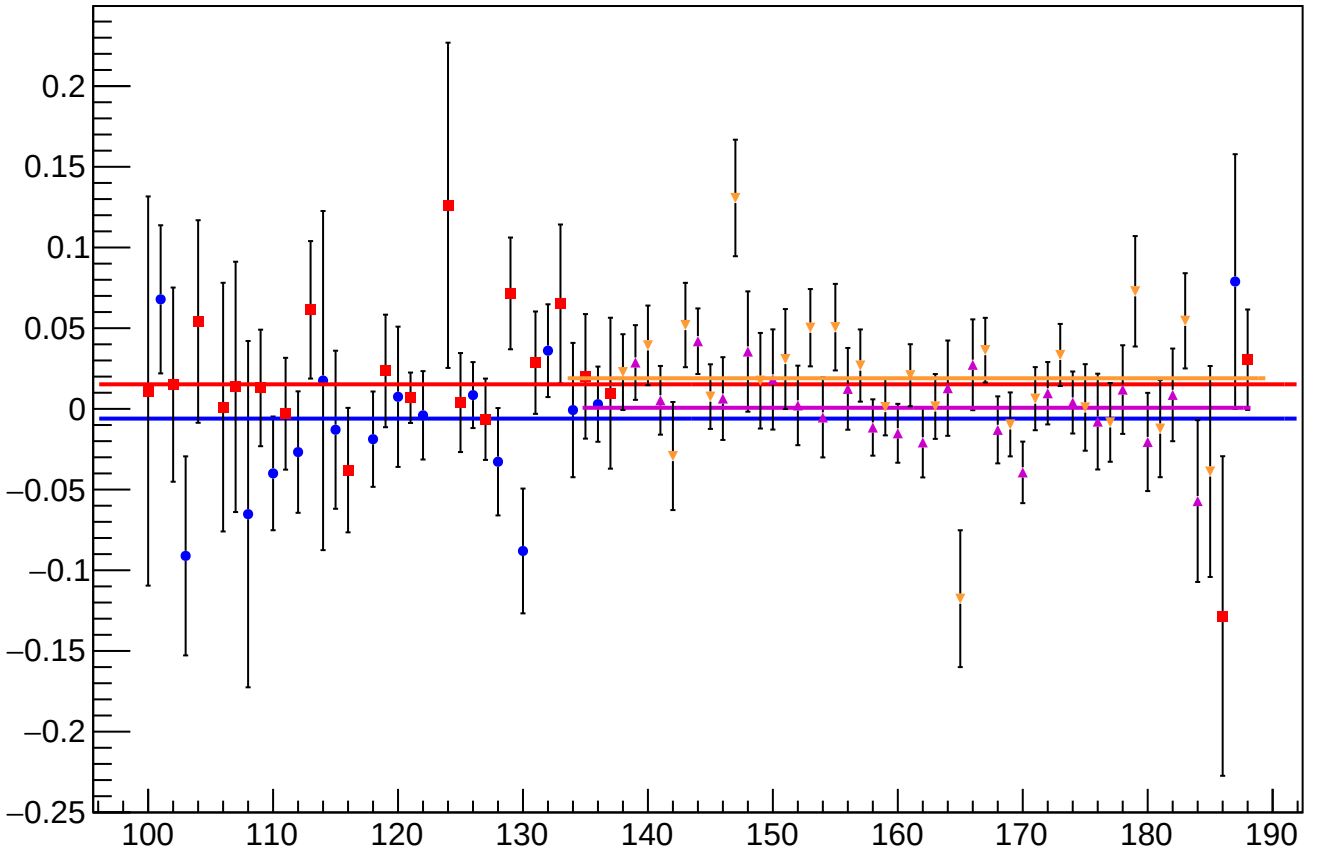
Right Out: 20.517+/-0.006 χ^2/NDF: 2935314.2/20

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.896+/-0.003 χ^2/NDF: 3041851.1/41

All: 20.672+/-0.002 χ^2/NDF: 7162365.2/85

- sign 20.453+/-0.003 χ^2/NDF: 4109486.2/43



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

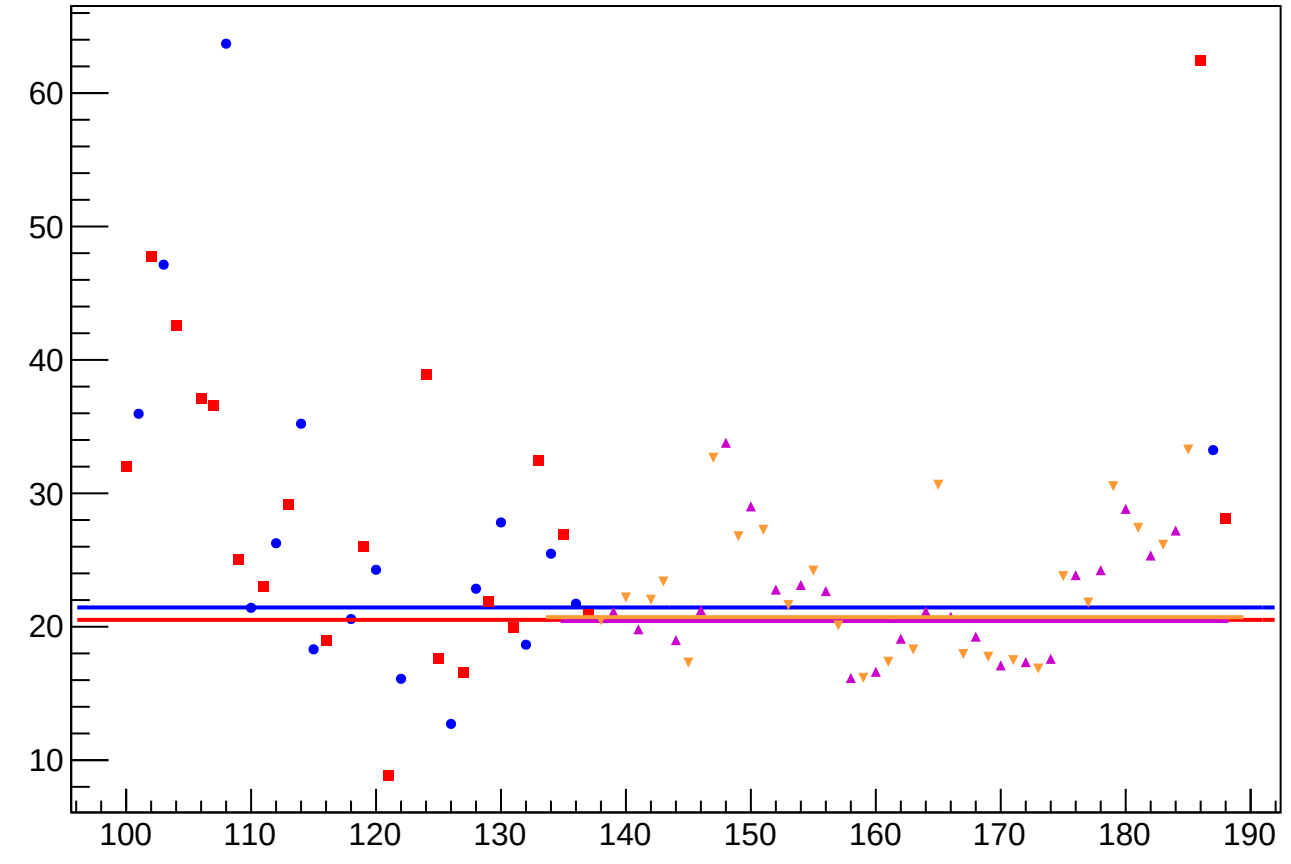
Right Out: 0.015+/-0.008 χ^2/NDF: 12.4/20

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 63.1/41

All: 0.009+/-0.003 χ^2/NDF: 97.5/85

- sign 0.005+/-0.004 χ^2/NDF: 32.5/43



Right In: 21.446+/-0.006 χ^2/NDF: 1524454.6/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

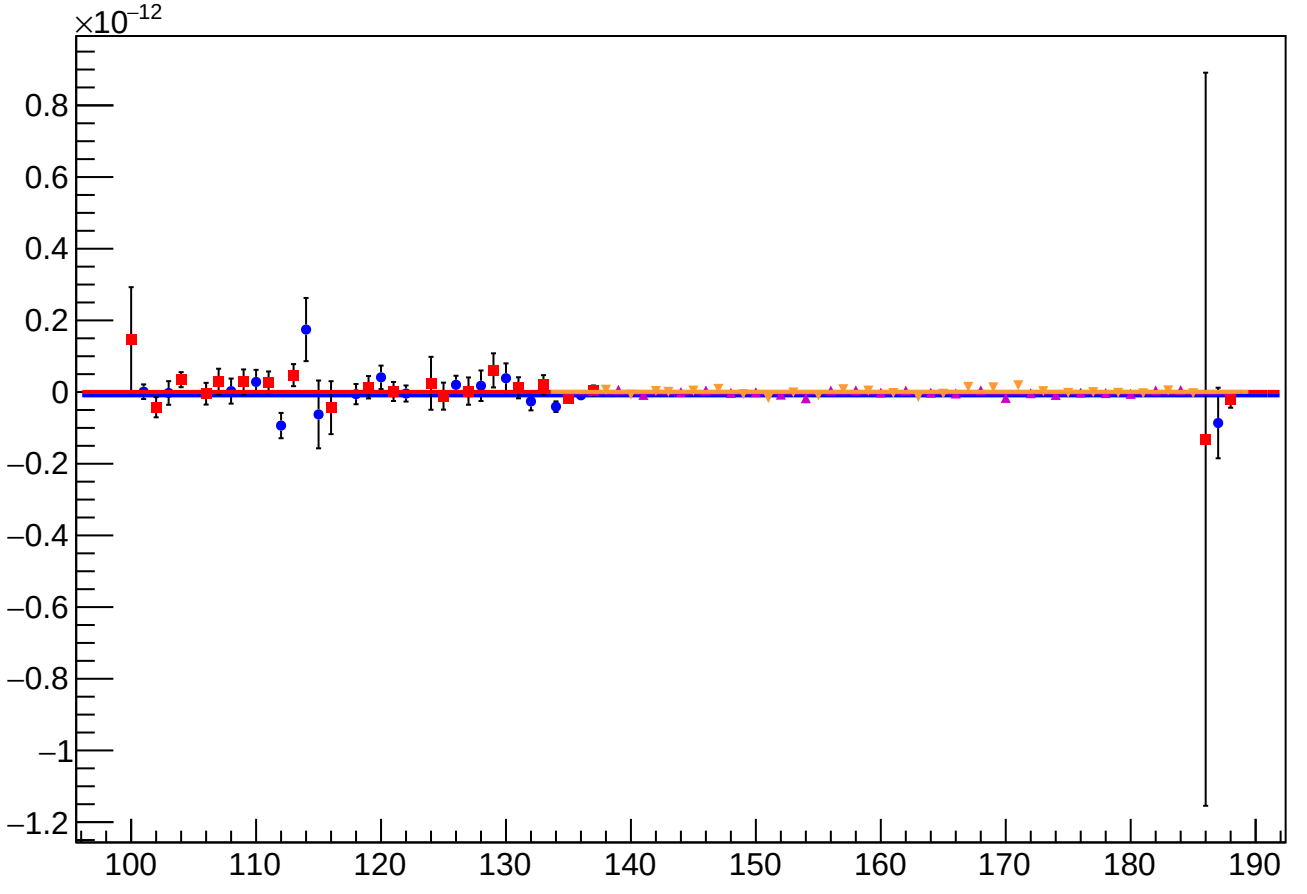
Right Out: 20.517+/-0.006 χ^2/NDF: 2935314.2/20

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.896+/-0.003 χ^2/NDF: 3041851.1/41

All: 20.672+/-0.002 χ^2/NDF: 7162365.2/85

- sign 20.453+/-0.003 χ^2/NDF: 4109486.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

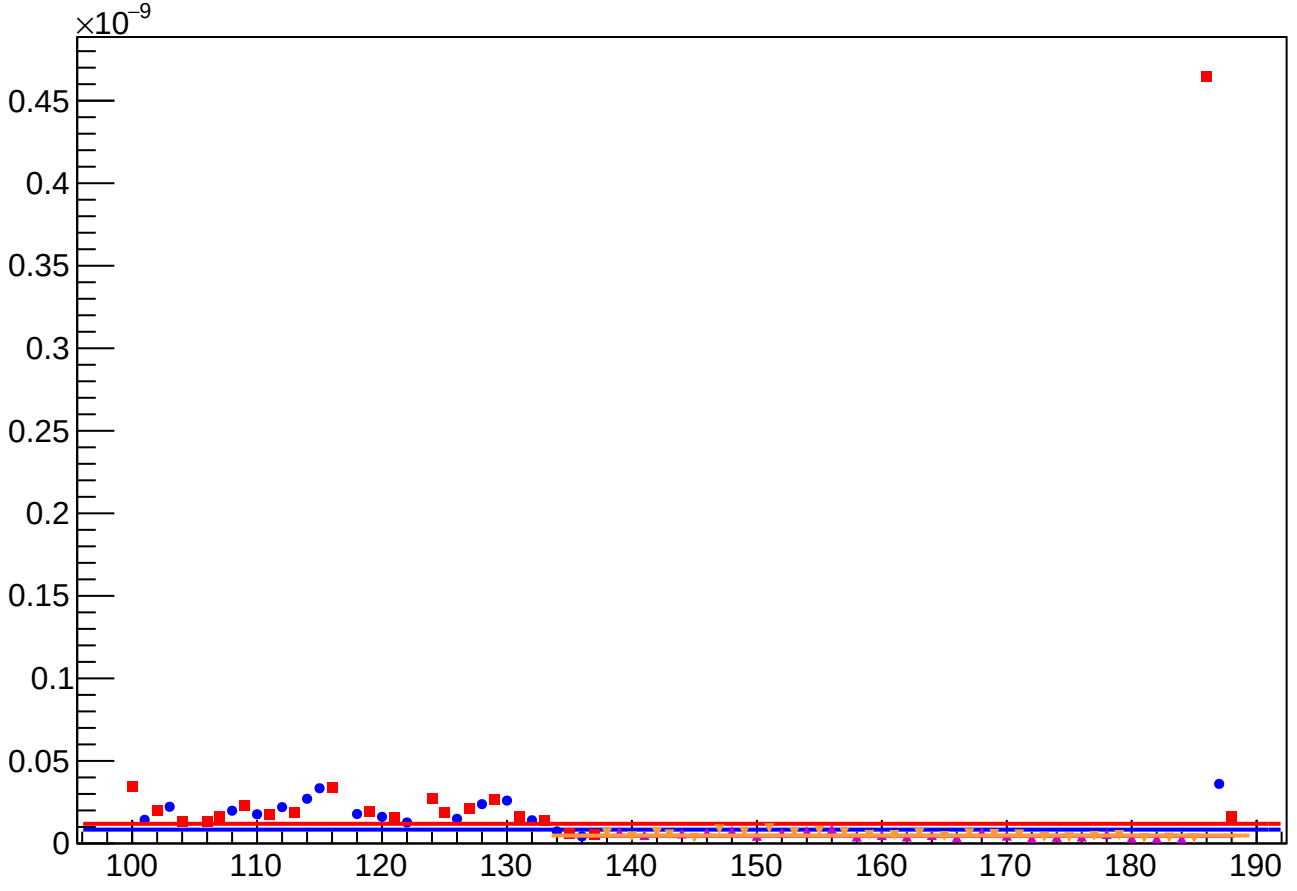
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/20

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.6/41

All: -0.000+/-0.000 χ^2/NDF: 95.8/85

- sign -0.000+/-0.000 χ^2/NDF: 38.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 3890456.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3082098.2/20

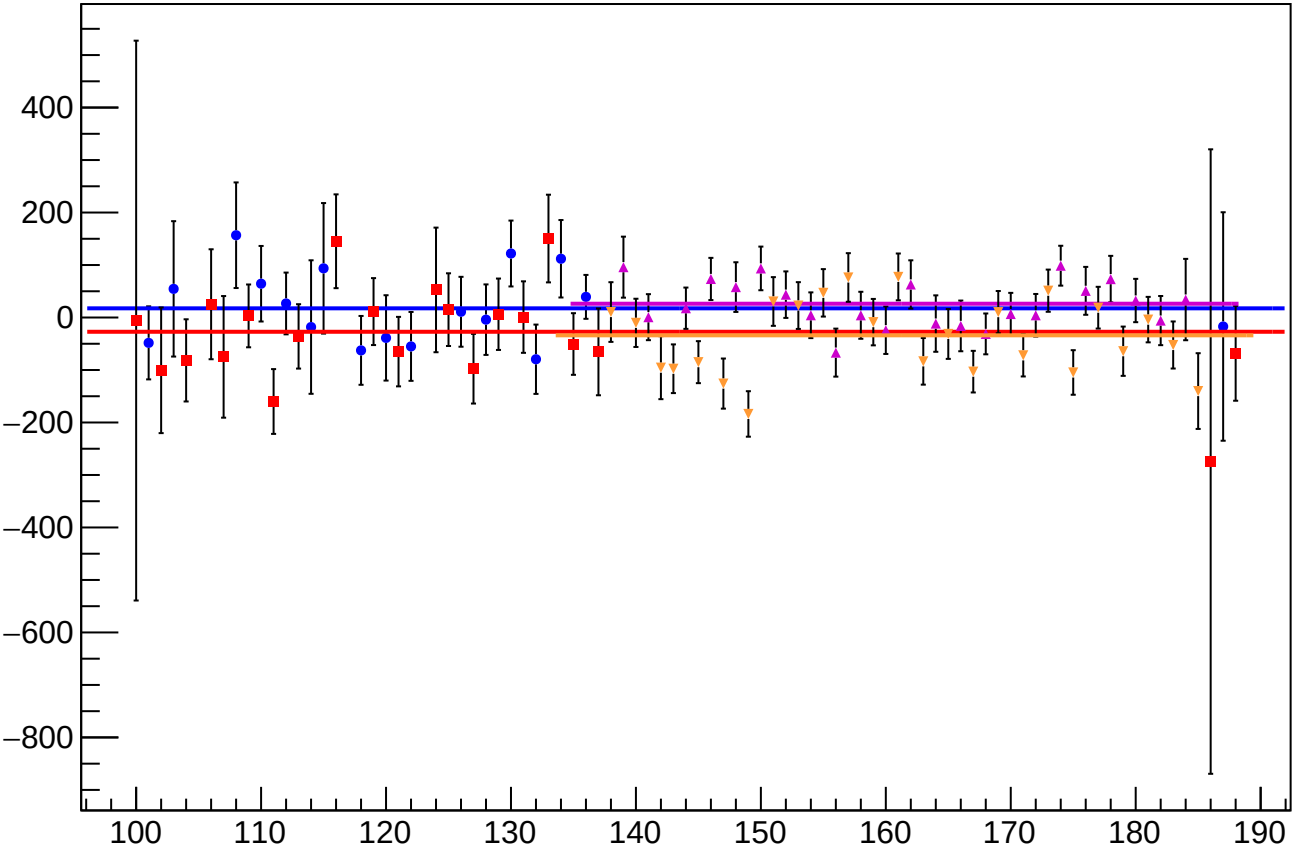
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7176063.0/41

All: 0.000+/-0.000 χ^2/NDF: 15479991.0/85

- sign 0.000+/-0.000 χ^2/NDF: 8301331.2/43

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.478+/-17.414 χ^2/NDF: 14.0/16

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -27.163+/-17.019 χ^2/NDF: 18.2/20

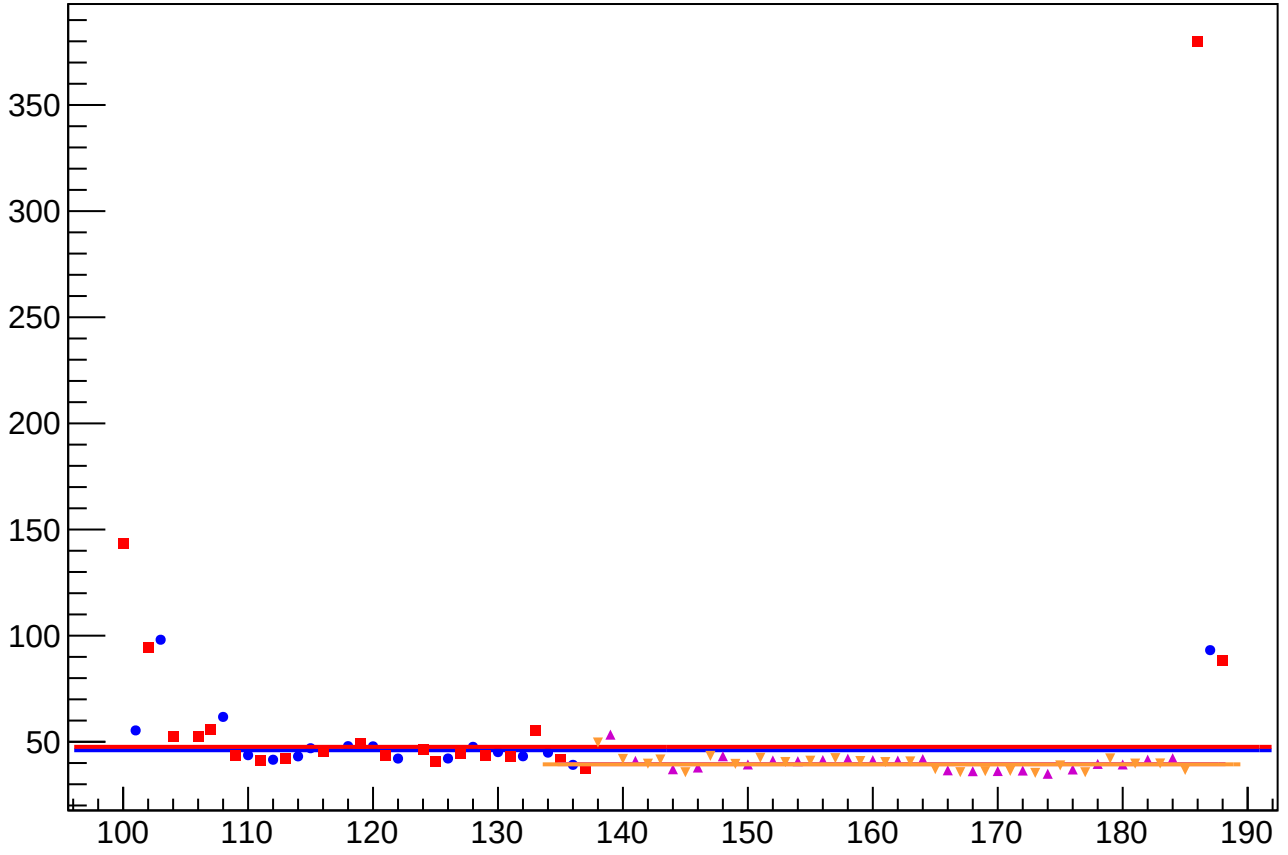
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.126+/-7.991 χ^2/NDF: 79.6/41

All: -4.891+/-5.703 χ^2/NDF: 138.5/85

- sign 14.039+/-8.142 χ^2/NDF: 48.3/43

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 46.030+/-0.012 χ^2/NDF: 595935.3/16

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

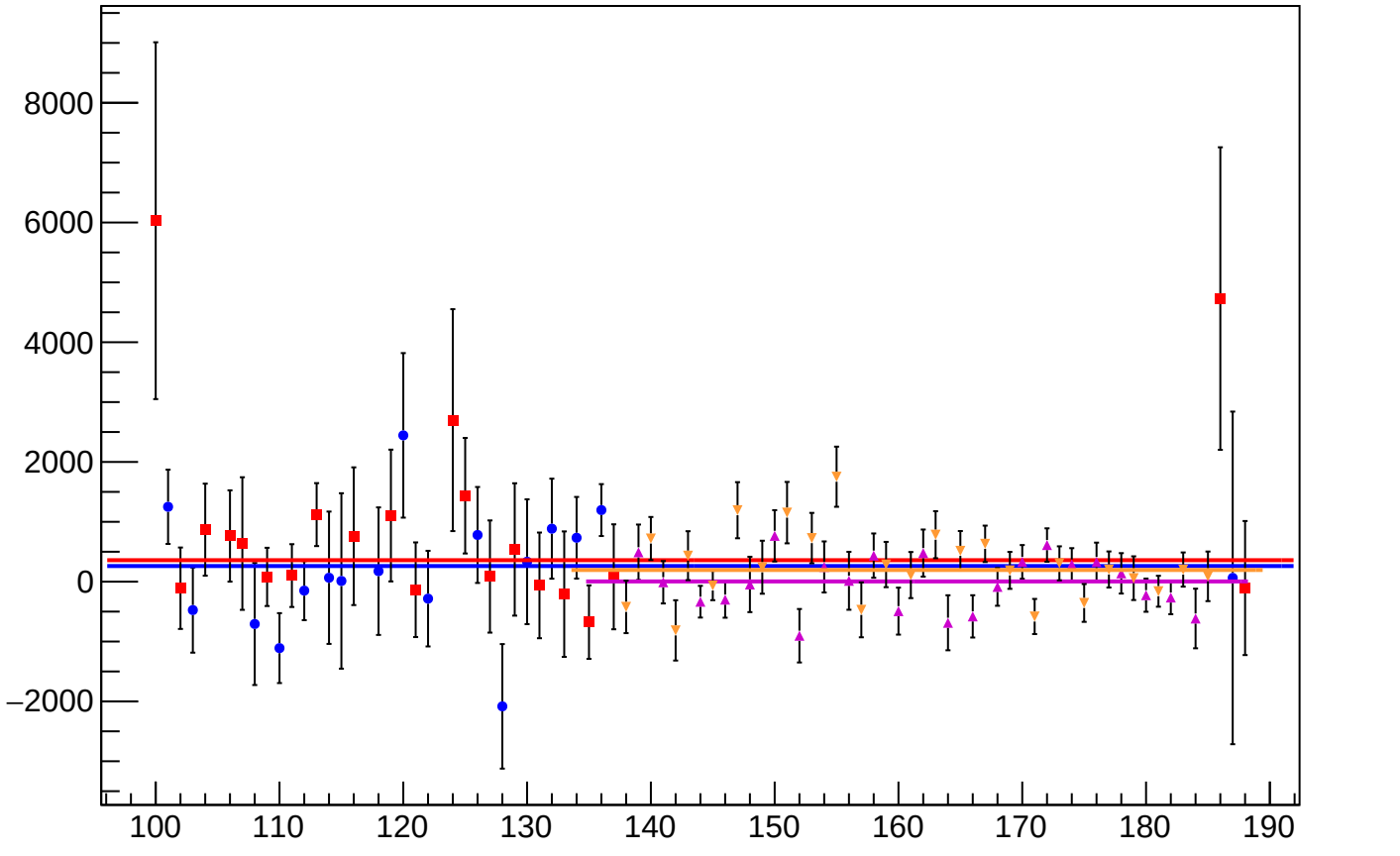
Right Out: 47.624+/-0.012 χ^2/NDF: 1587292.5/20

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.782+/-0.006 χ^2/NDF: 1054839.7/41

All: 41.062+/-0.004 χ^2/NDF: 3251110.3/85

- sign 41.352+/-0.006 χ^2/NDF: 2191281.8/43



Right In: 261.063+/-184.801 χ^2/NDF: 25.0/16

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 358.912+/-177.932 χ^2/NDF: 18.1/20

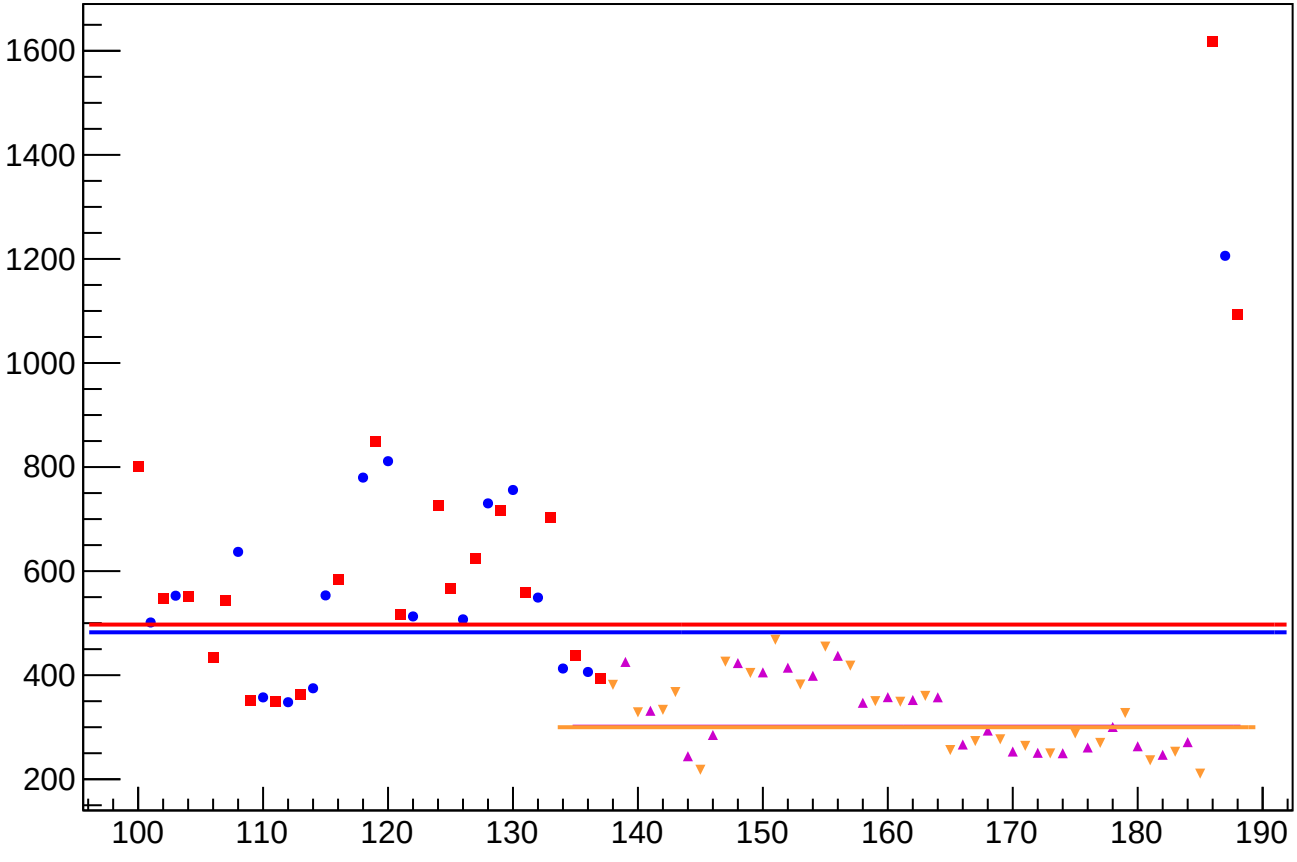
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 203.334+/-65.537 χ^2/NDF: 73.7/41

All: 129.975+/-46.757 χ^2/NDF: 130.1/85

- sign 53.927+/-66.728 χ^2/NDF: 53.9/43

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 482.393+/-0.131 χ^2/NDF: 1088965.1/16

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 497.256+/-0.126 χ^2/NDF: 1995271.4/20

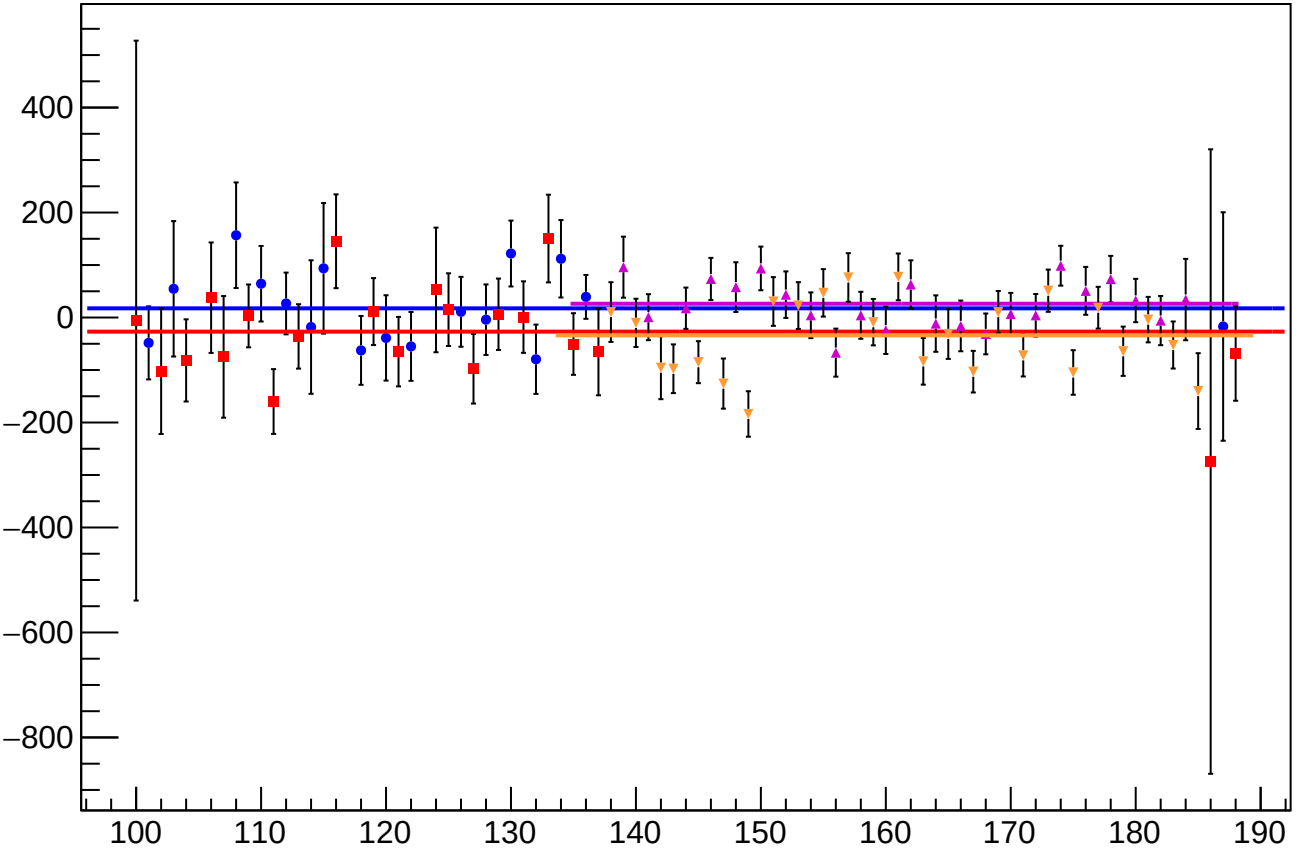
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 322.918+/-0.046 χ^2/NDF: 4601076.1/41

All: 325.708+/-0.033 χ^2/NDF: 10101896.0/85

- sign 328.601+/-0.047 χ^2/NDF: 5493437.5/43

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.483+/-17.414 χ^2/NDF: 14.0/16

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -26.879+/-17.021 χ^2/NDF: 18.4/20

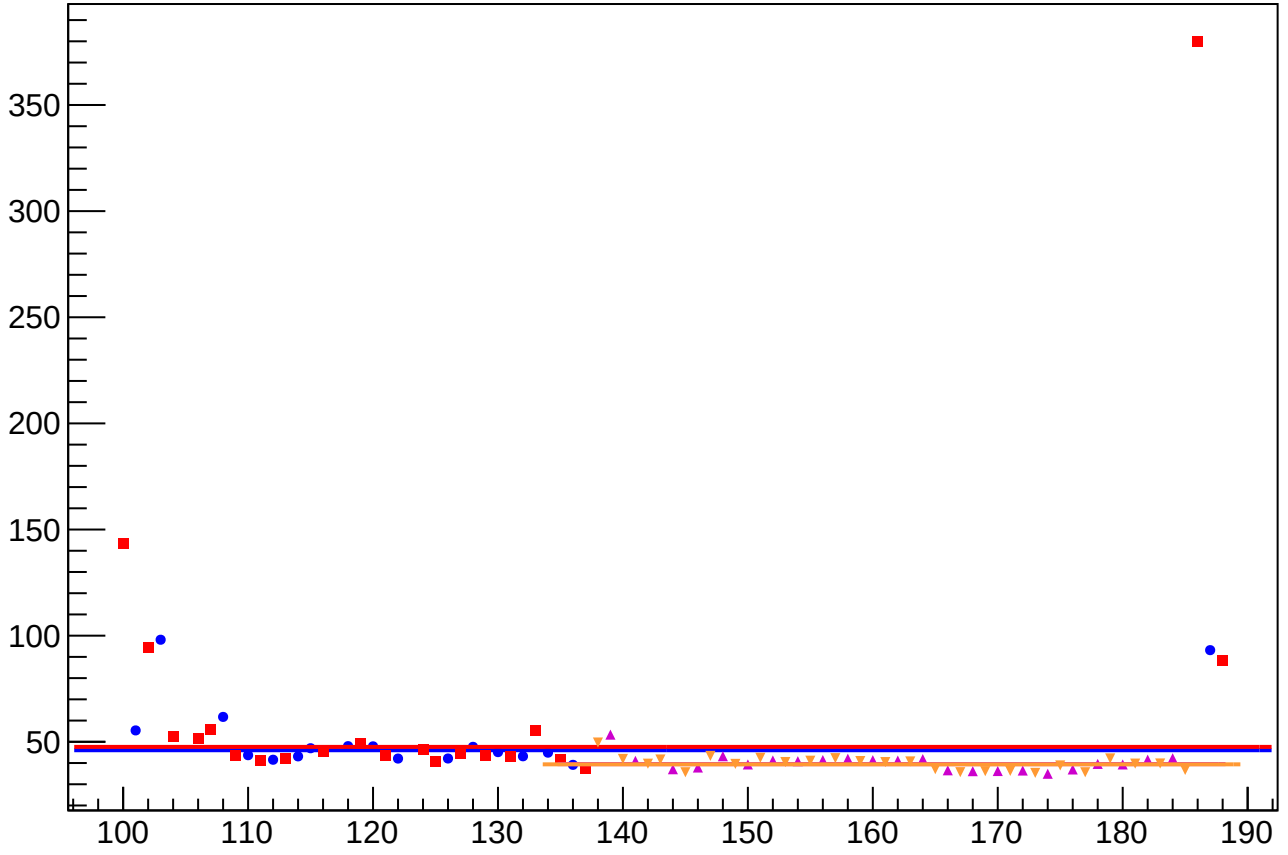
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.124+/-7.991 χ^2/NDF: 79.6/41

All: -4.858+/-5.703 χ^2/NDF: 138.6/85

- sign 14.107+/-8.142 χ^2/NDF: 48.4/43

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 46.030+/-0.012 χ^2/NDF: 595938.3/16

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

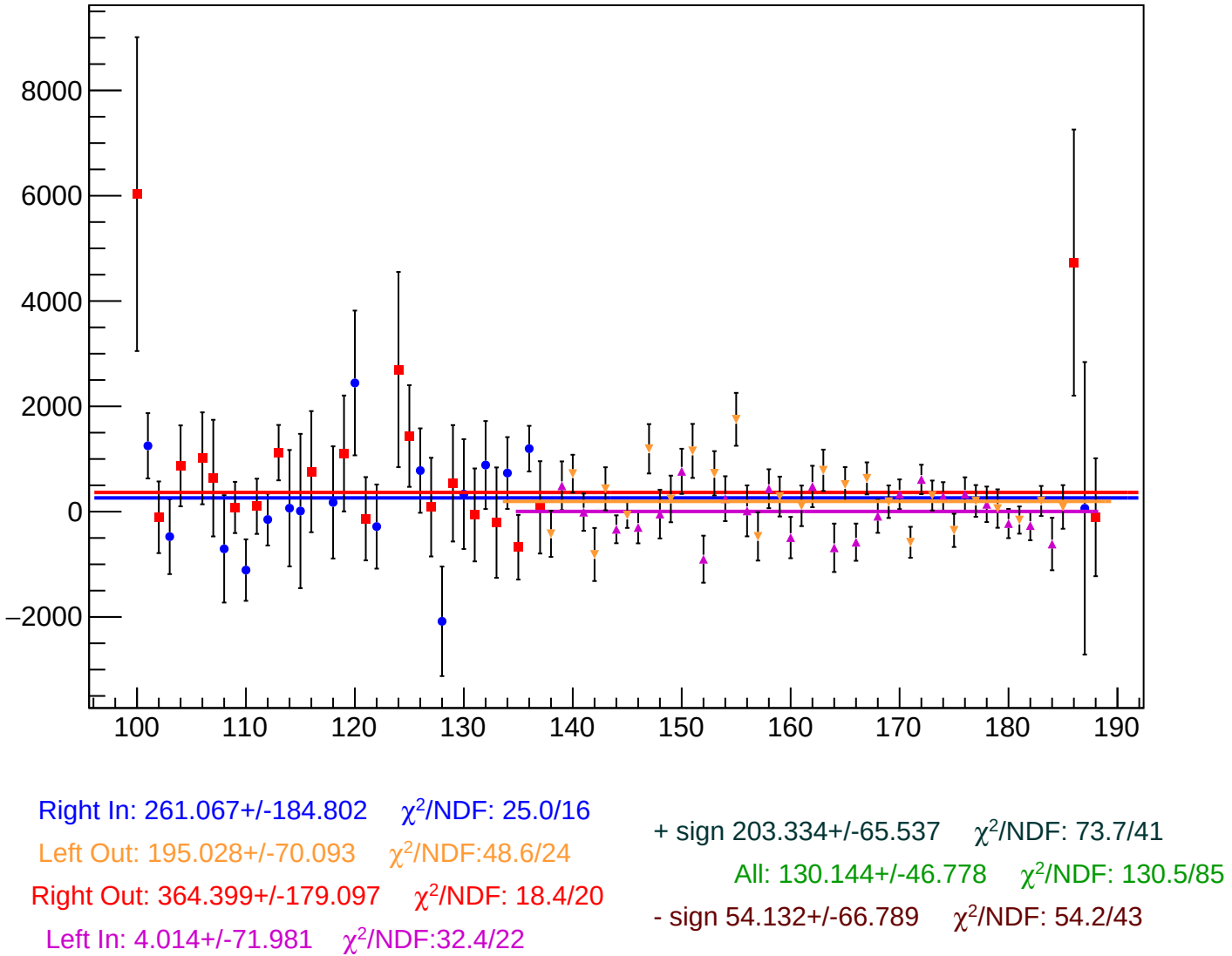
Right Out: 47.601+/-0.012 χ^2/NDF: 1586164.5/20

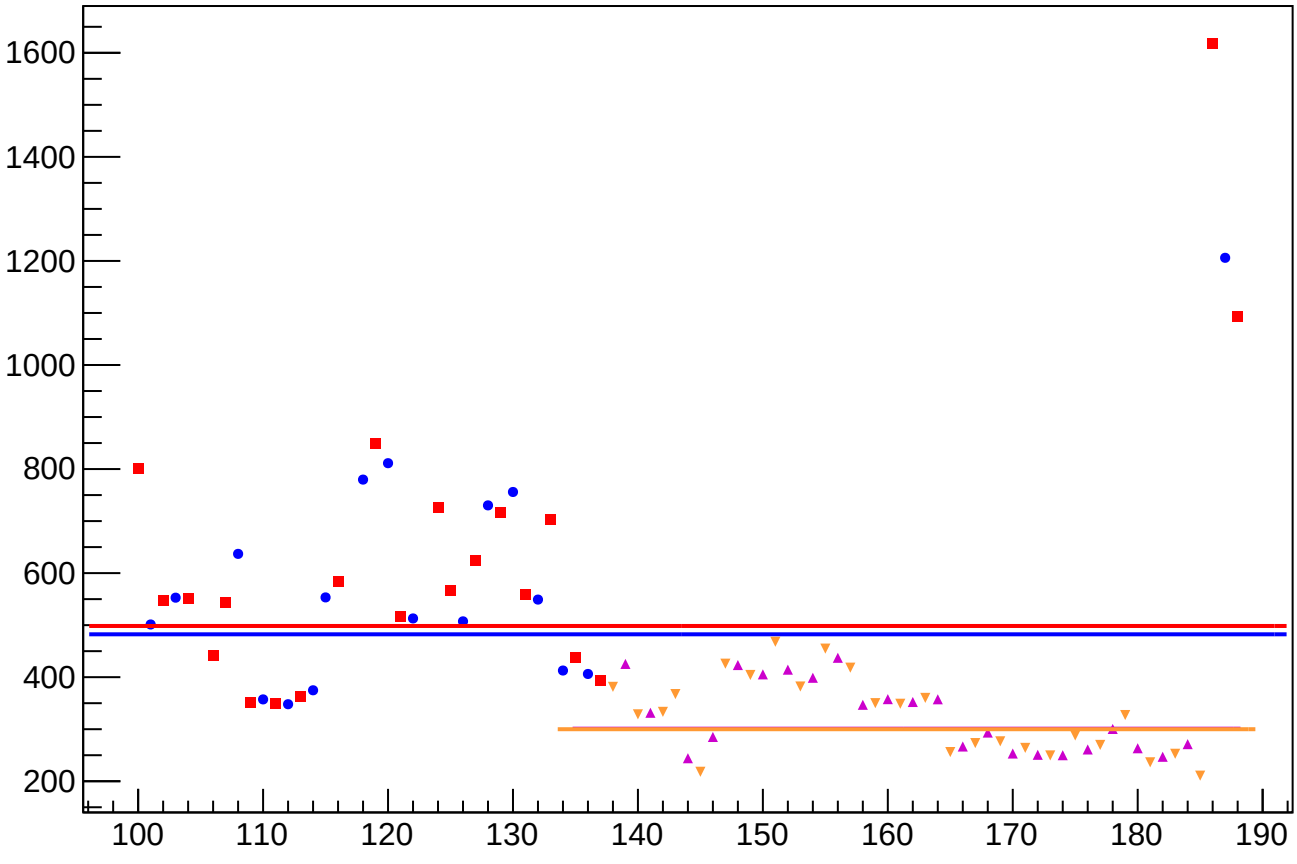
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.782+/-0.006 χ^2/NDF: 1054842.6/41

All: 41.059+/-0.004 χ^2/NDF: 3247870.6/85

- sign 41.347+/-0.006 χ^2/NDF: 2188135.5/43


asym_sam_15_37_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 261.067+/-184.802 χ²/NDF: 25.0/16
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 364.399+/-179.097 χ²/NDF: 18.4/20
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 203.334+/-65.537 χ²/NDF: 73.7/41
All: 130.144+/-46.778 χ²/NDF: 130.5/85
- sign 54.132+/-66.789 χ²/NDF: 54.2/43



Right In: 482.395+/-0.131 χ^2/NDF: 1088993.1/16

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 498.409+/-0.127 χ^2/NDF: 1989829.5/20

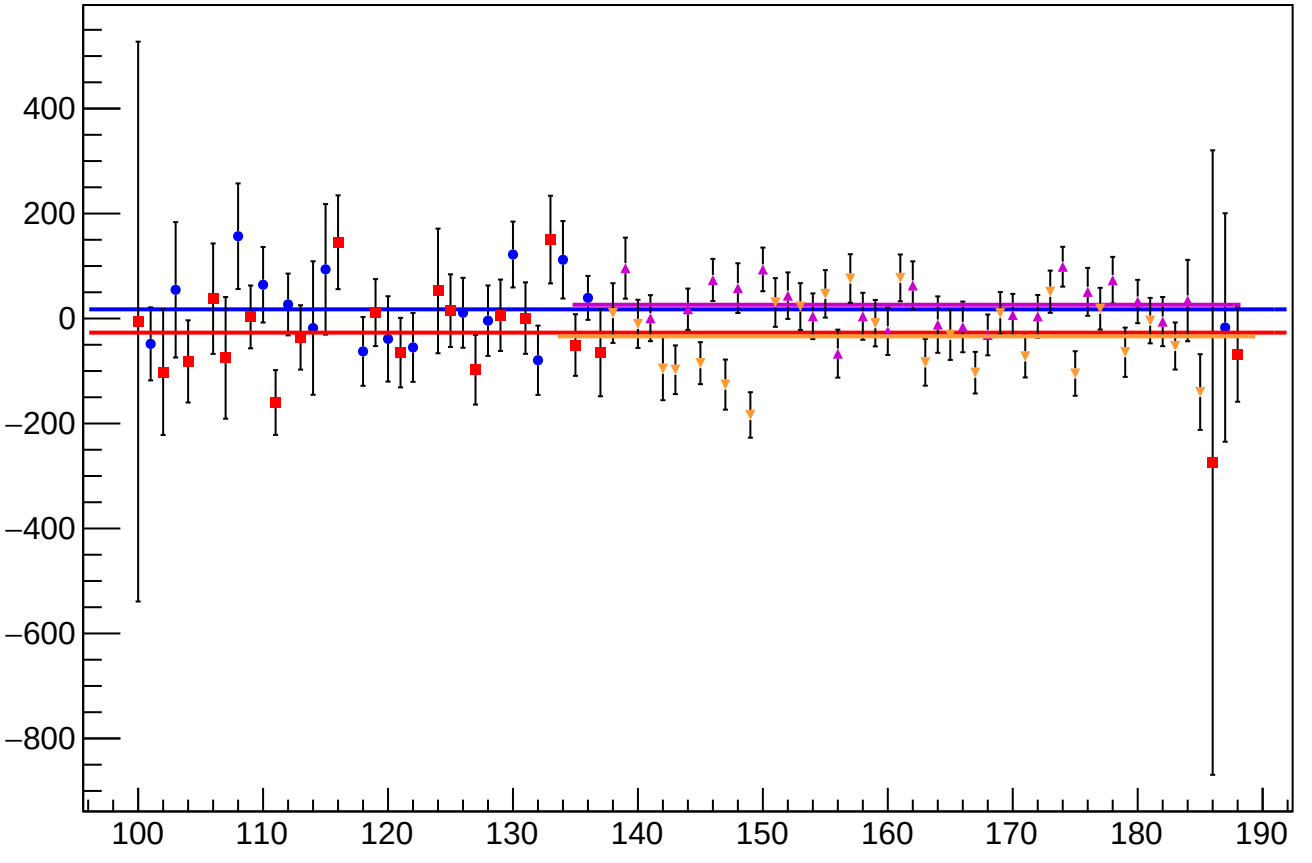
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 322.919+/-0.046 χ^2/NDF: 4601119.9/41

All: 325.633+/-0.033 χ^2/NDF: 10097132.5/85

- sign 328.453+/-0.047 χ^2/NDF: 5489016.6/43

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.483+/-17.414 χ^2/NDF: 14.0/16

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -26.879+/-17.021 χ^2/NDF: 18.4/20

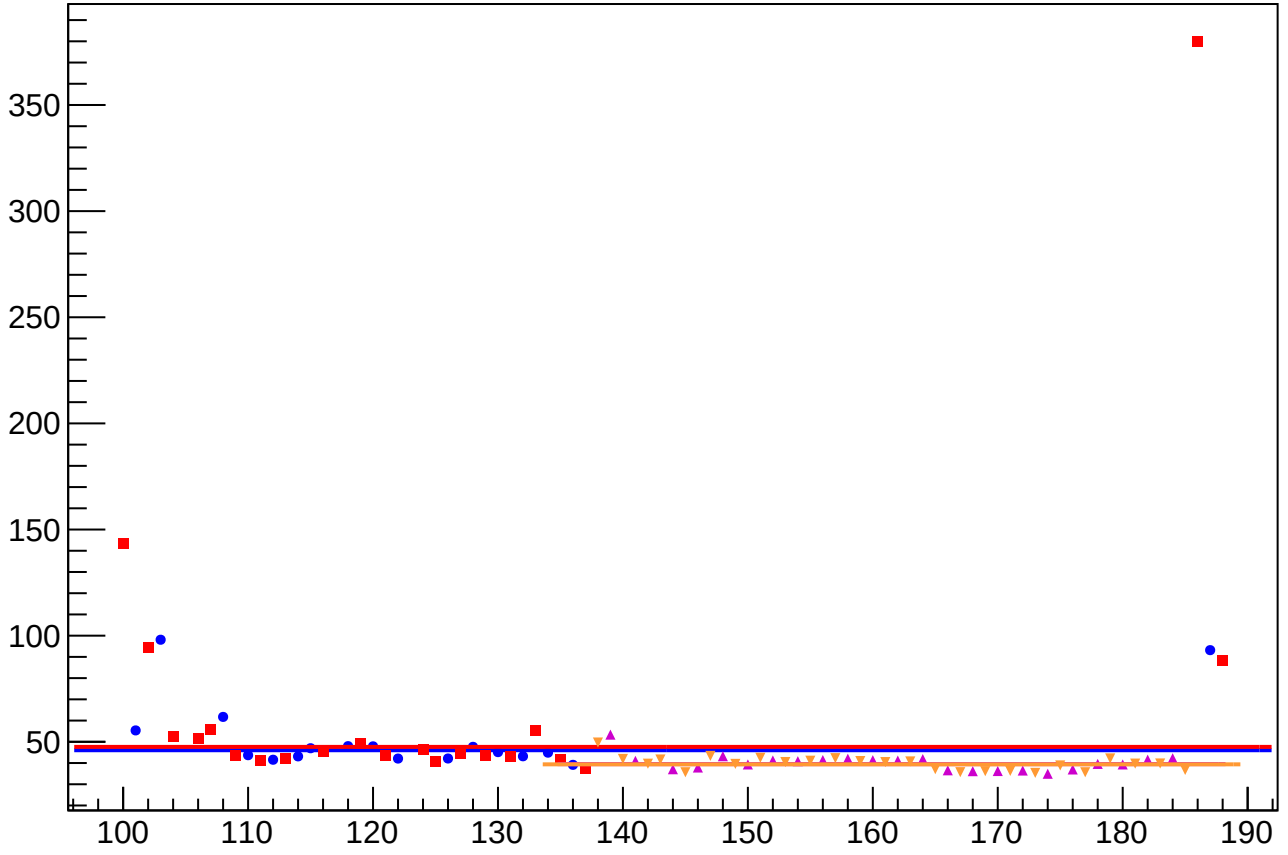
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.124+/-7.991 χ^2/NDF: 79.6/41

All: -4.858+/-5.703 χ^2/NDF: 138.6/85

- sign 14.107+/-8.142 χ^2/NDF: 48.4/43

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 46.030+/-0.012 χ^2/NDF: 595938.3/16

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

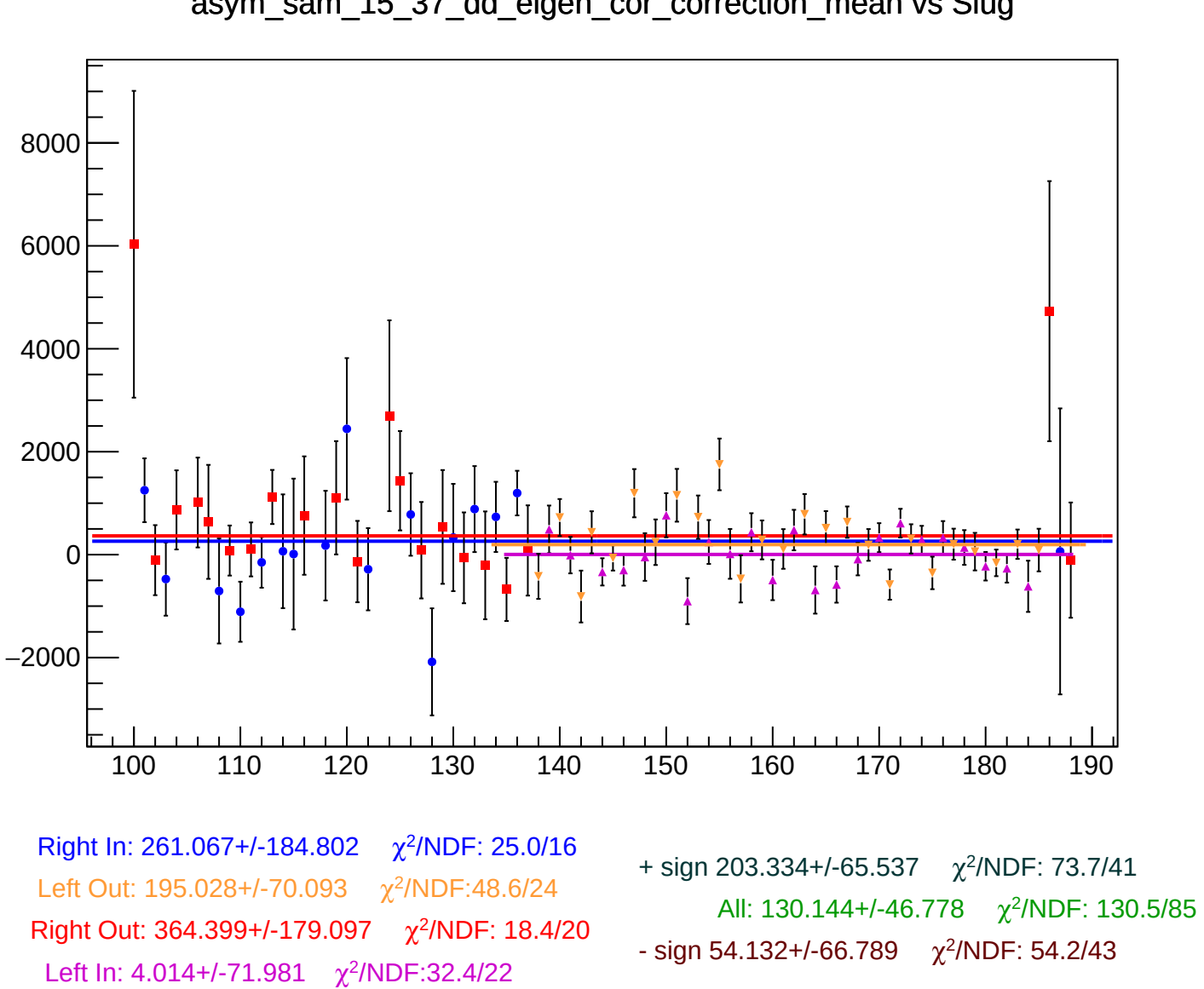
Right Out: 47.601+/-0.012 χ^2/NDF: 1586164.5/20

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.782+/-0.006 χ^2/NDF: 1054842.6/41

All: 41.059+/-0.004 χ^2/NDF: 3247870.6/85

- sign 41.347+/-0.006 χ^2/NDF: 2188135.5/43


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
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120
130
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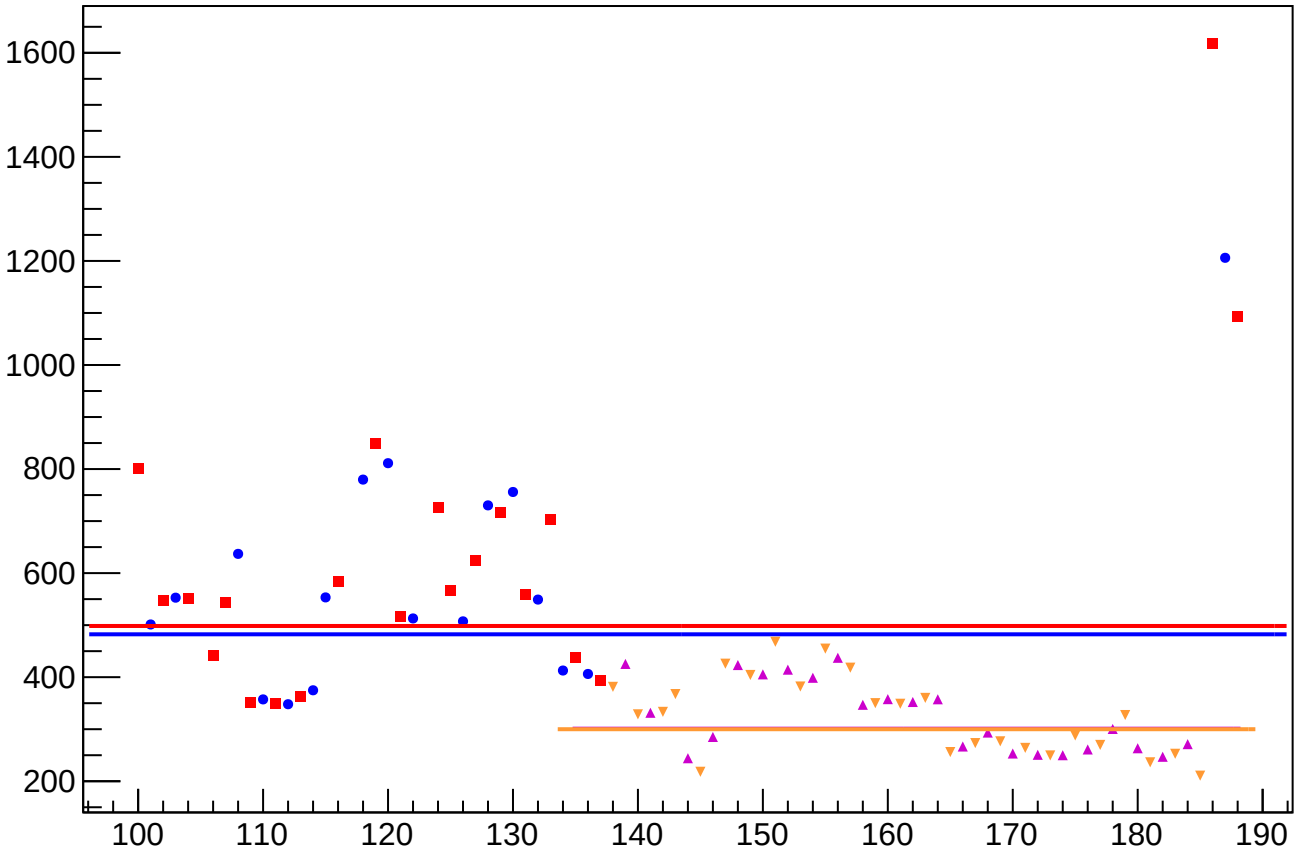
160
170
180
190
Right In: 261.067+/-184.802 χ²/NDF: 25.0/16
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 364.399+/-179.097 χ²/NDF: 18.4/20
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 203.334+/-65.537 χ²/NDF: 73.7/41
All: 130.144+/-46.778 χ²/NDF: 130.5/85
- sign 54.132+/-66.789 χ²/NDF: 54.2/43



Right In: 482.395+/-0.131 χ^2/NDF: 1088993.1/16

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 498.409+/-0.127 χ^2/NDF: 1989829.5/20

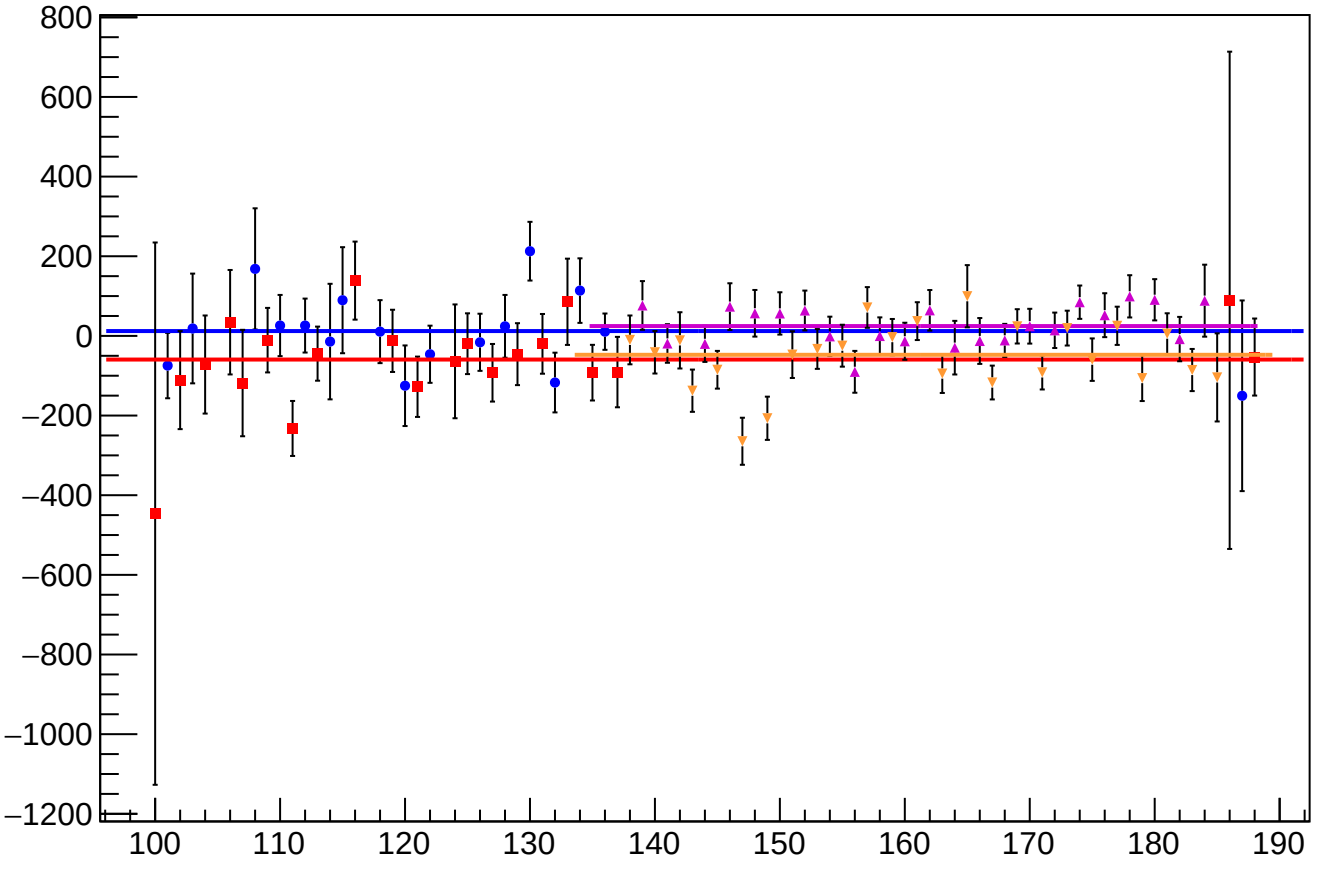
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 322.919+/-0.046 χ^2/NDF: 4601119.9/41

All: 325.633+/-0.033 χ^2/NDF: 10097132.5/85

- sign 328.453+/-0.047 χ^2/NDF: 5489016.6/43

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 12.148+/-19.781 χ^2/NDF: 17.7/16

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -59.379+/-19.795 χ^2/NDF: 16.2/20

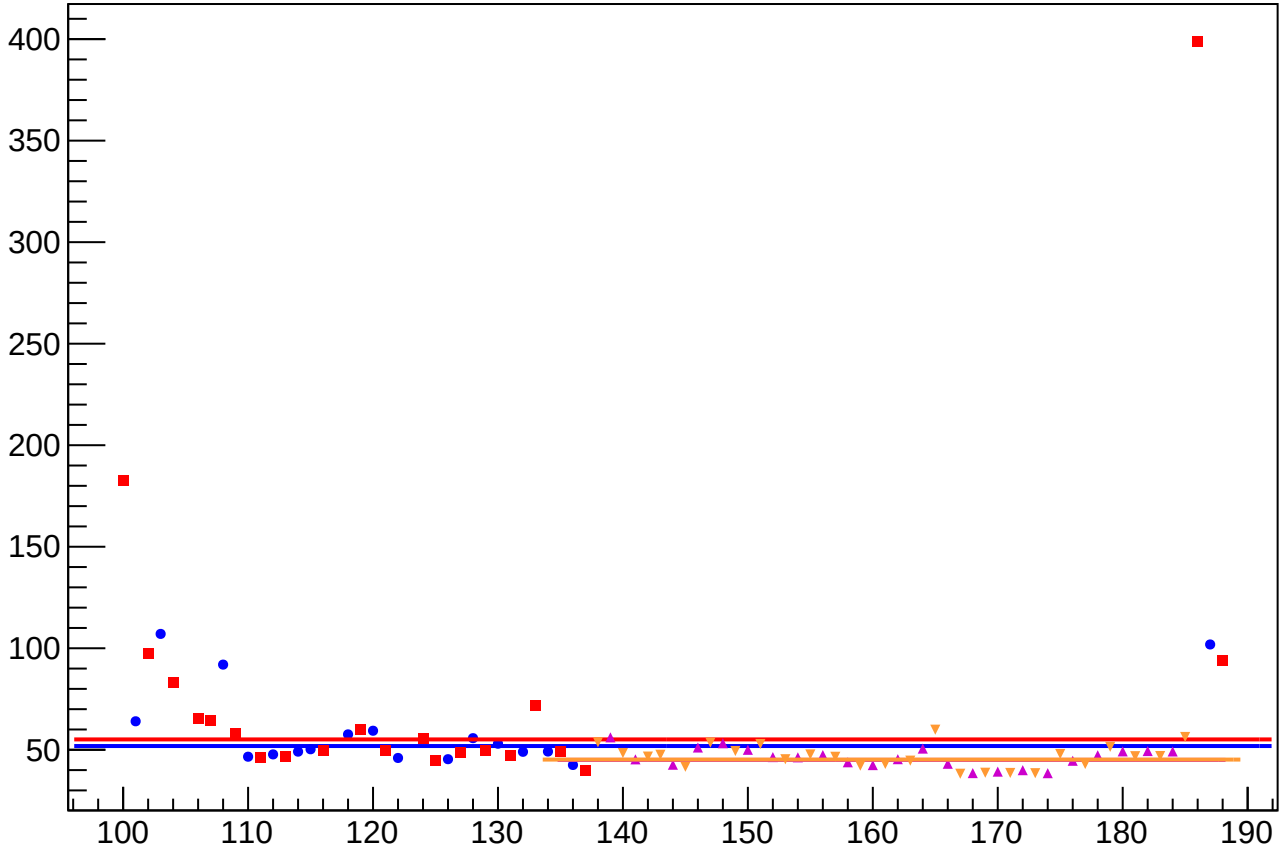
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.582+/-9.200 χ^2/NDF: 79.5/41

All: -14.800+/-6.570 χ^2/NDF: 138.8/85

- sign 5.789+/-9.385 χ^2/NDF: 49.8/43

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.850+/-0.014 χ^2/NDF: 755003.0/16

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 55.109+/-0.014 χ^2/NDF: 1666468.1/20

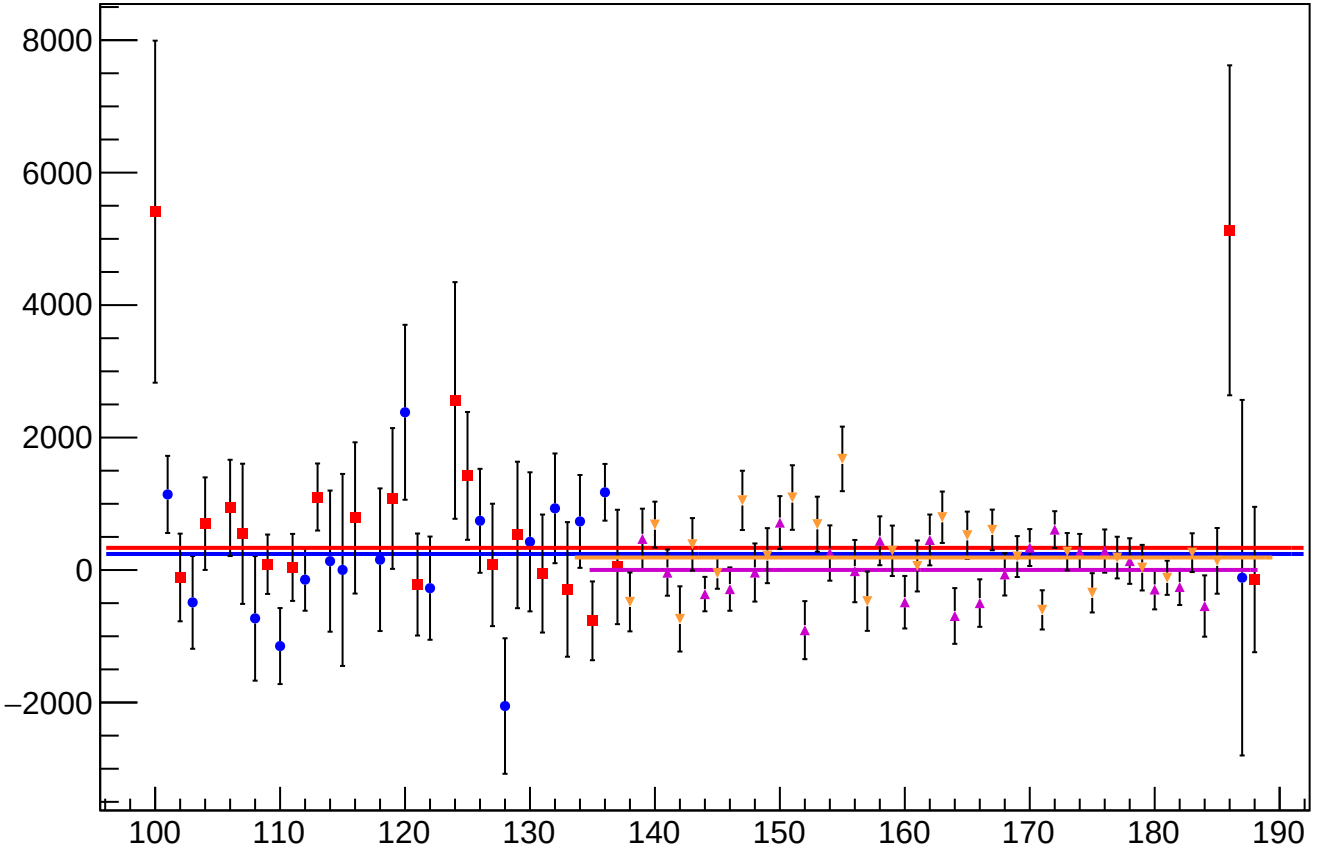
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 46.619+/-0.007 χ^2/NDF: 1423311.3/41

All: 46.946+/-0.005 χ^2/NDF: 3870546.2/85

- sign 47.286+/-0.007 χ^2/NDF: 2442079.8/43

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 242.202+/-180.463 χ^2/NDF: 25.6/16

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 334.954+/-171.094 χ^2/NDF: 20.4/20

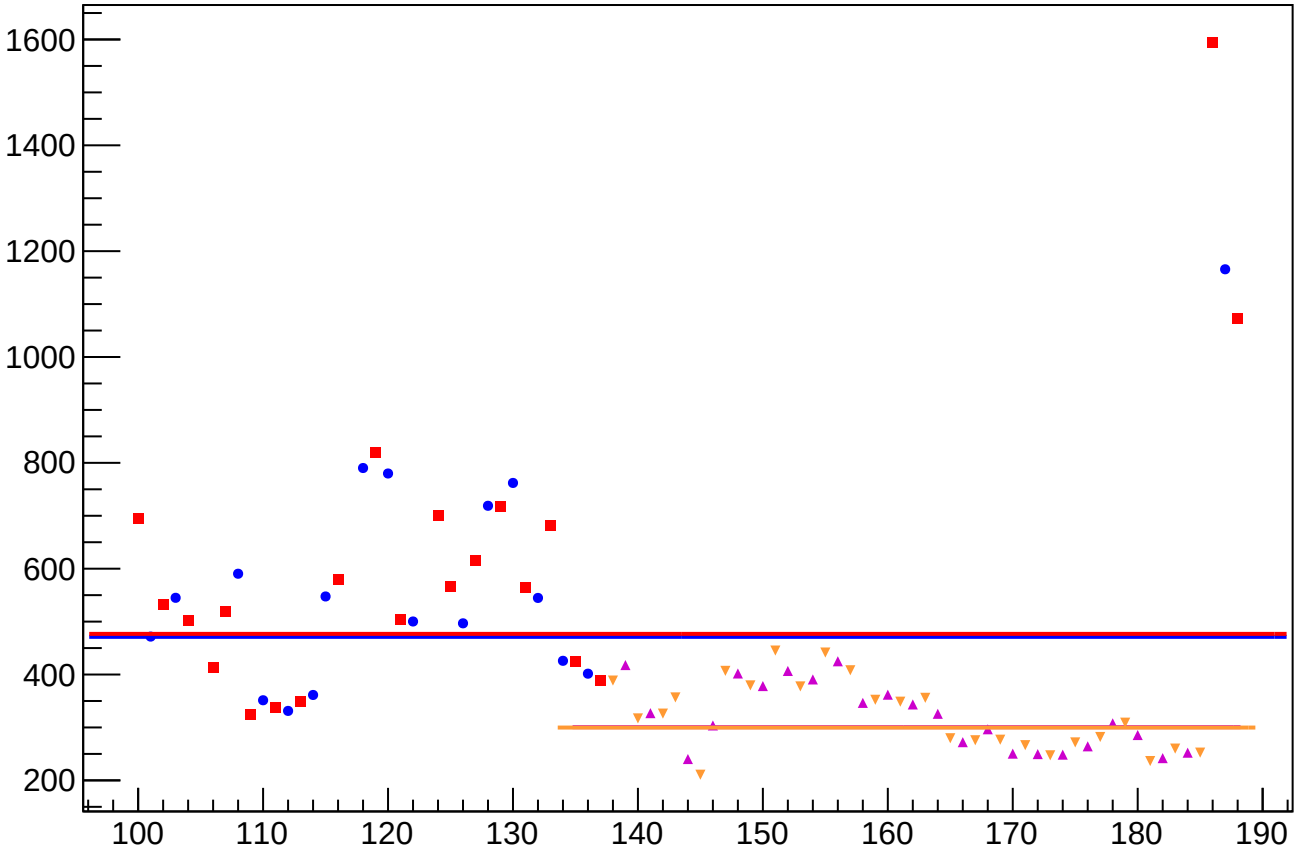
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 195.745+/-65.030 χ^2/NDF: 72.4/41

All: 124.820+/-46.370 χ^2/NDF: 130.7/85

- sign 51.459+/-66.138 χ^2/NDF: 55.8/43

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 471.219+/-0.128 χ^2/NDF: 1117429.3/16

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 476.812+/-0.121 χ^2/NDF: 2102103.0/20

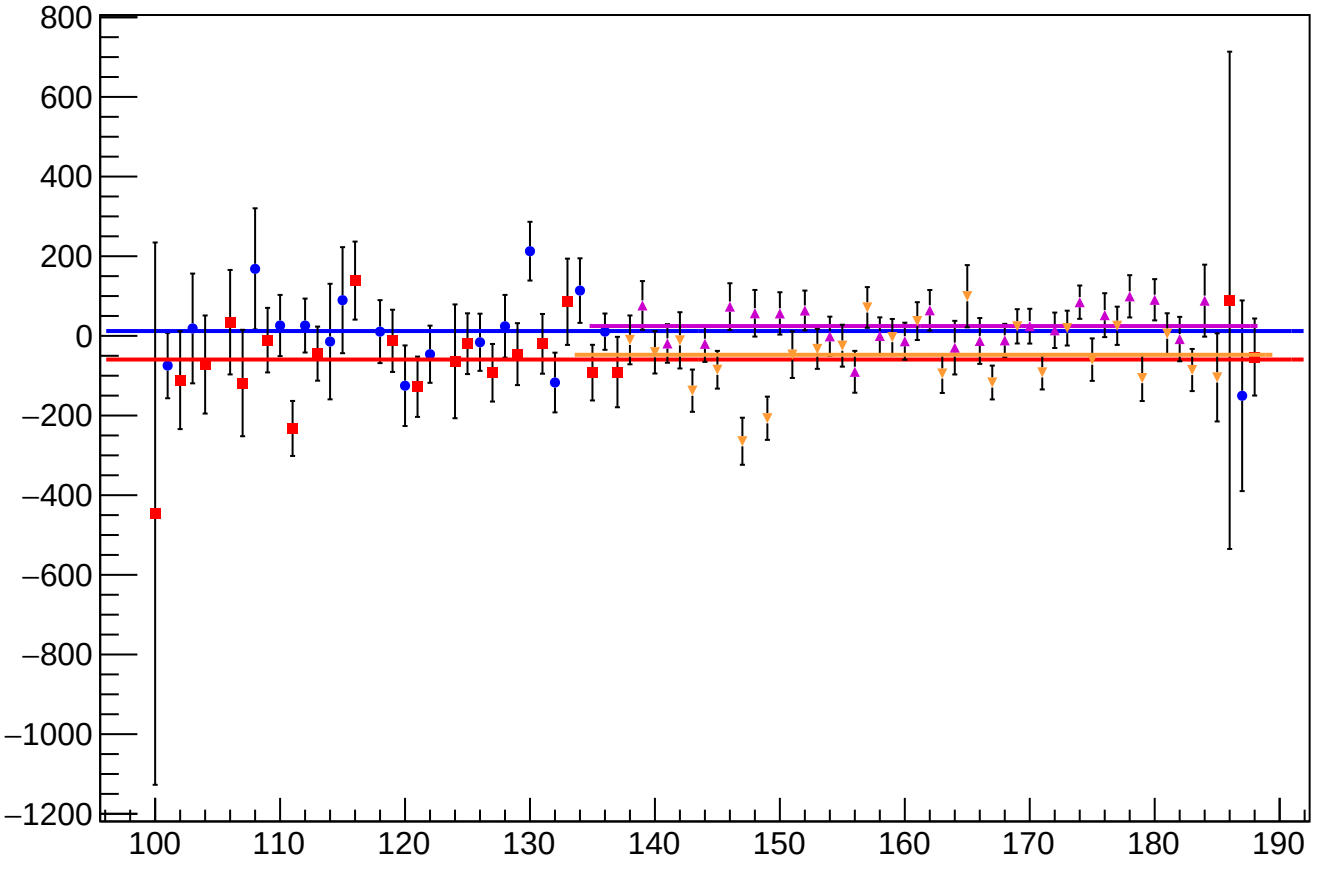
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 322.058+/-0.046 χ^2/NDF: 4265125.1/41

All: 324.430+/-0.033 χ^2/NDF: 9437508.7/85

- sign 326.883+/-0.047 χ^2/NDF: 5166970.1/43

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 12.149+/-19.781 χ^2/NDF: 17.7/16

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -59.380+/-19.795 χ^2/NDF: 16.2/20

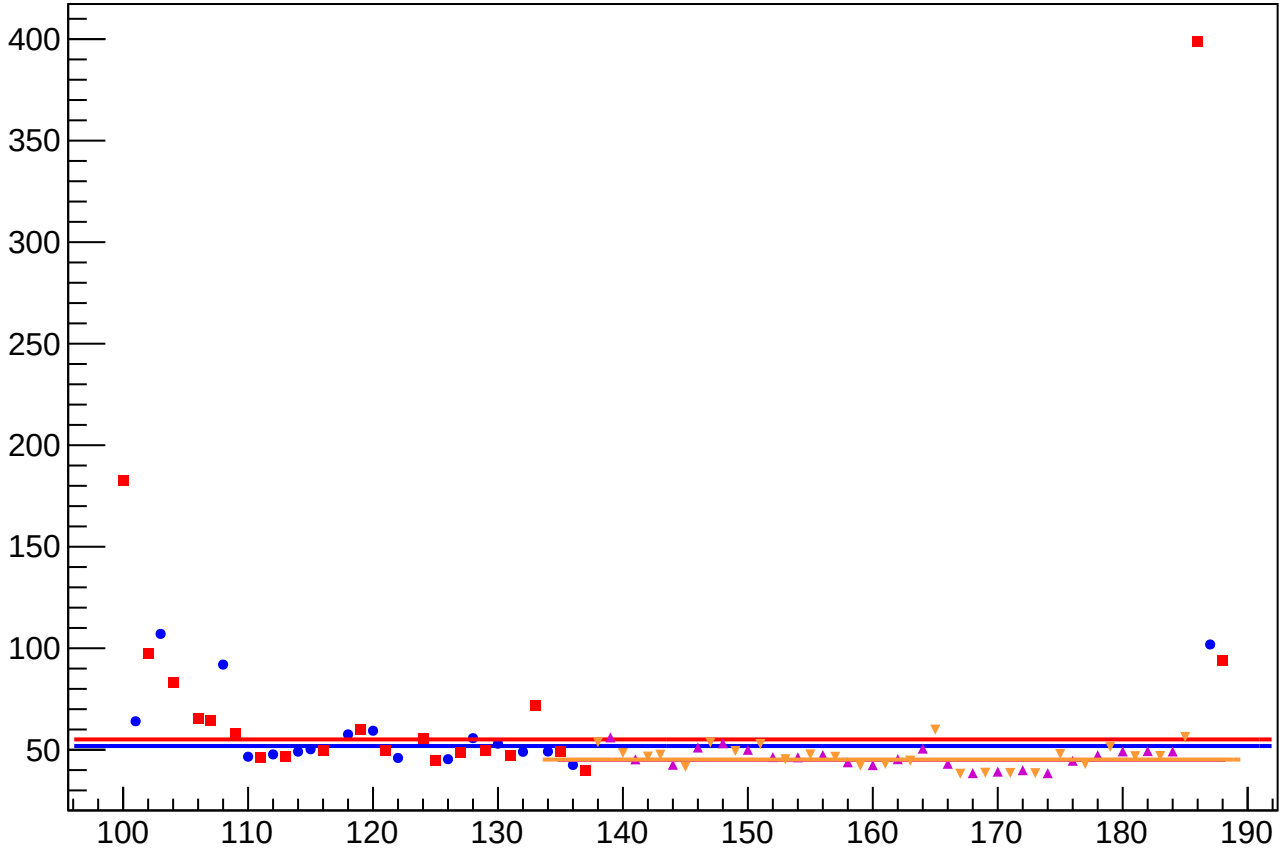
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.582+/-9.200 χ^2/NDF: 79.5/41

All: -14.800+/-6.570 χ^2/NDF: 138.8/85

- sign 5.789+/-9.385 χ^2/NDF: 49.8/43

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.850+/-0.014 χ^2/NDF: 755011.2/16

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

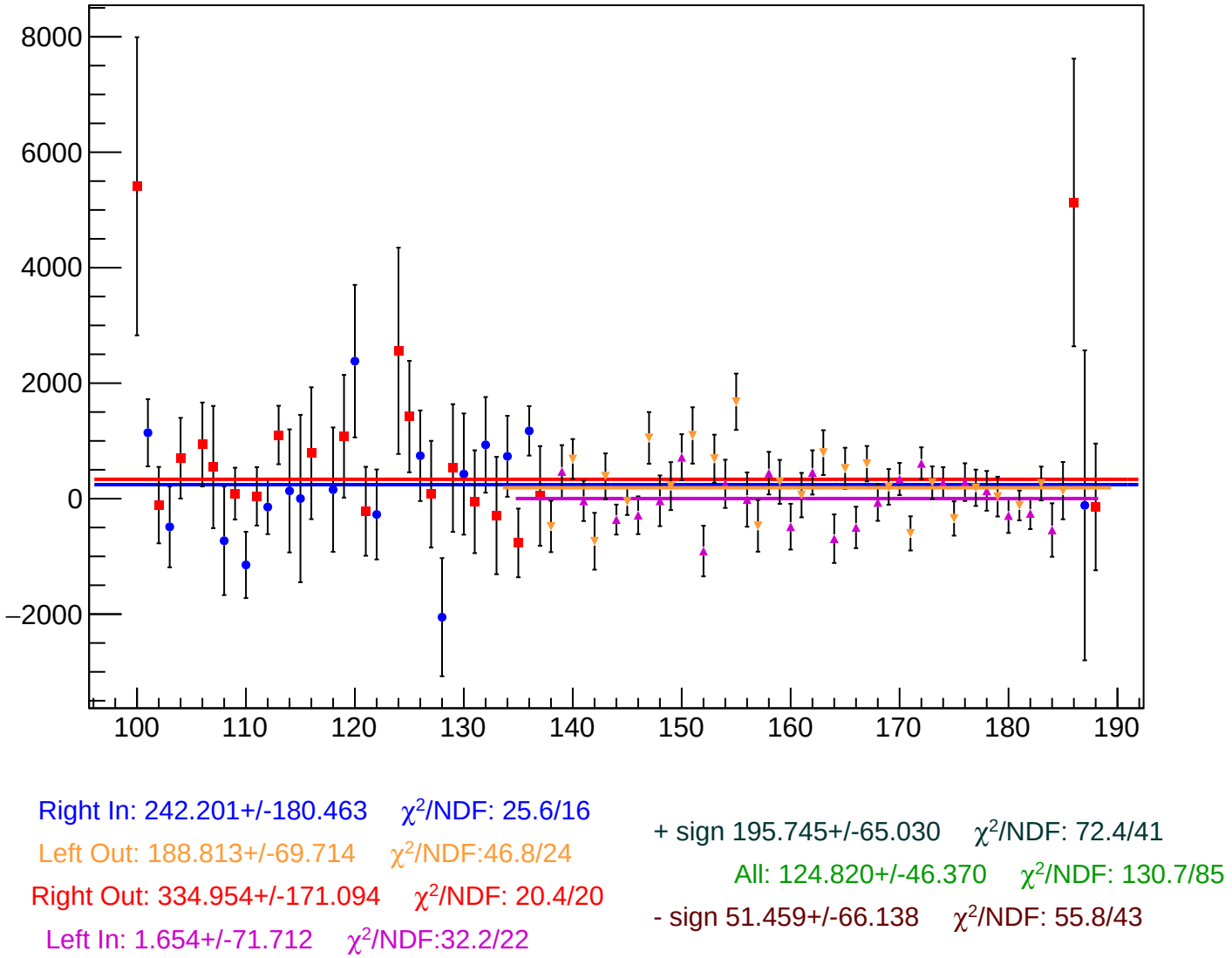
Right Out: 55.109+/-0.014 χ^2/NDF: 1666484.9/20

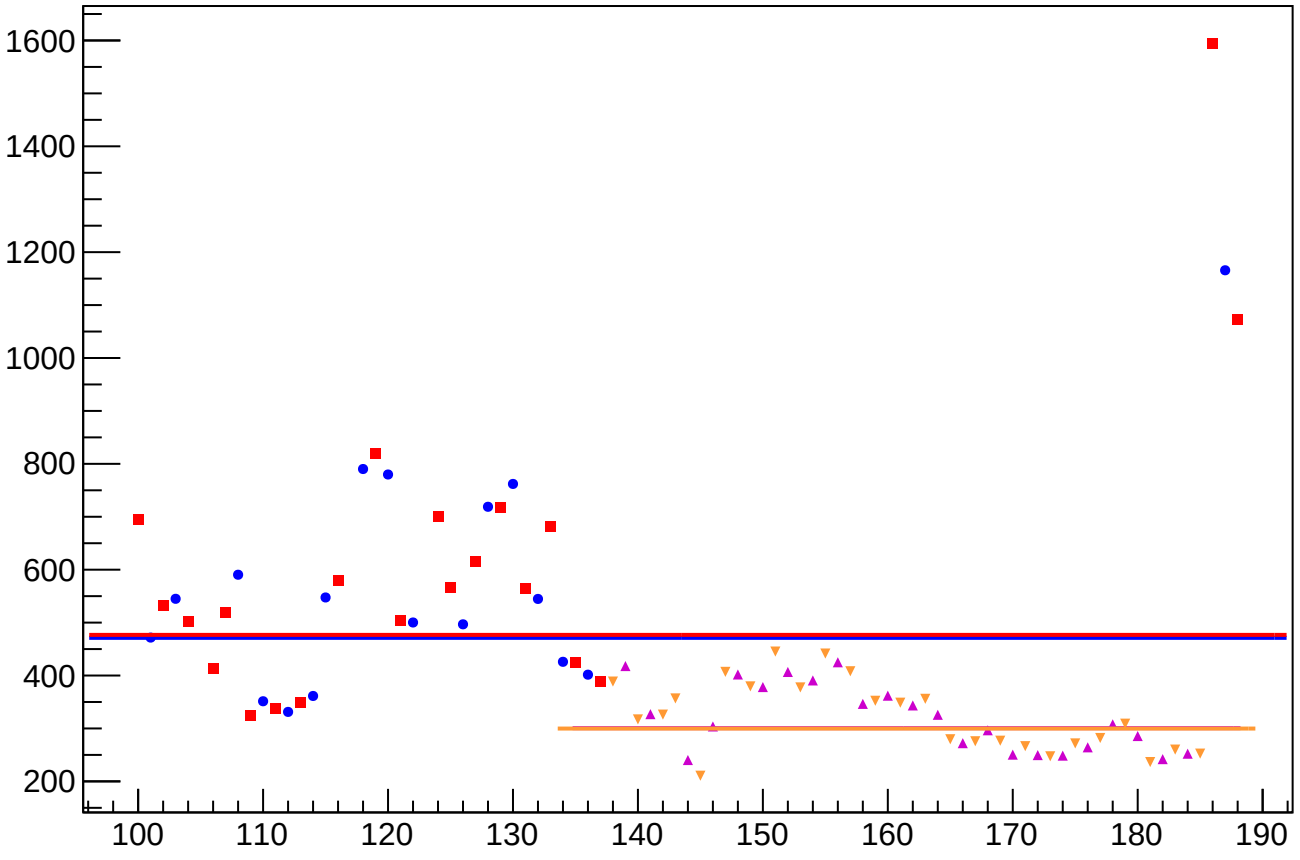
Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 46.619+/-0.007 χ^2/NDF: 1423320.1/41

All: 46.946+/-0.005 χ^2/NDF: 3870573.9/85

- sign 47.286+/-0.007 χ^2/NDF: 2442098.1/43


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 242.201+/-180.463 χ²/NDF: 25.6/16
Left Out: 188.813+/-69.714 χ²/NDF:46.8/24
Right Out: 334.954+/-171.094 χ²/NDF: 20.4/20
Left In: 1.654+/-71.712 χ²/NDF:32.2/22
+ sign 195.745+/-65.030 χ²/NDF: 72.4/41
All: 124.820+/-46.370 χ²/NDF: 130.7/85
- sign 51.459+/-66.138 χ²/NDF: 55.8/43



Right In: 471.219+/-0.128 χ^2/NDF: 1117430.0/16

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

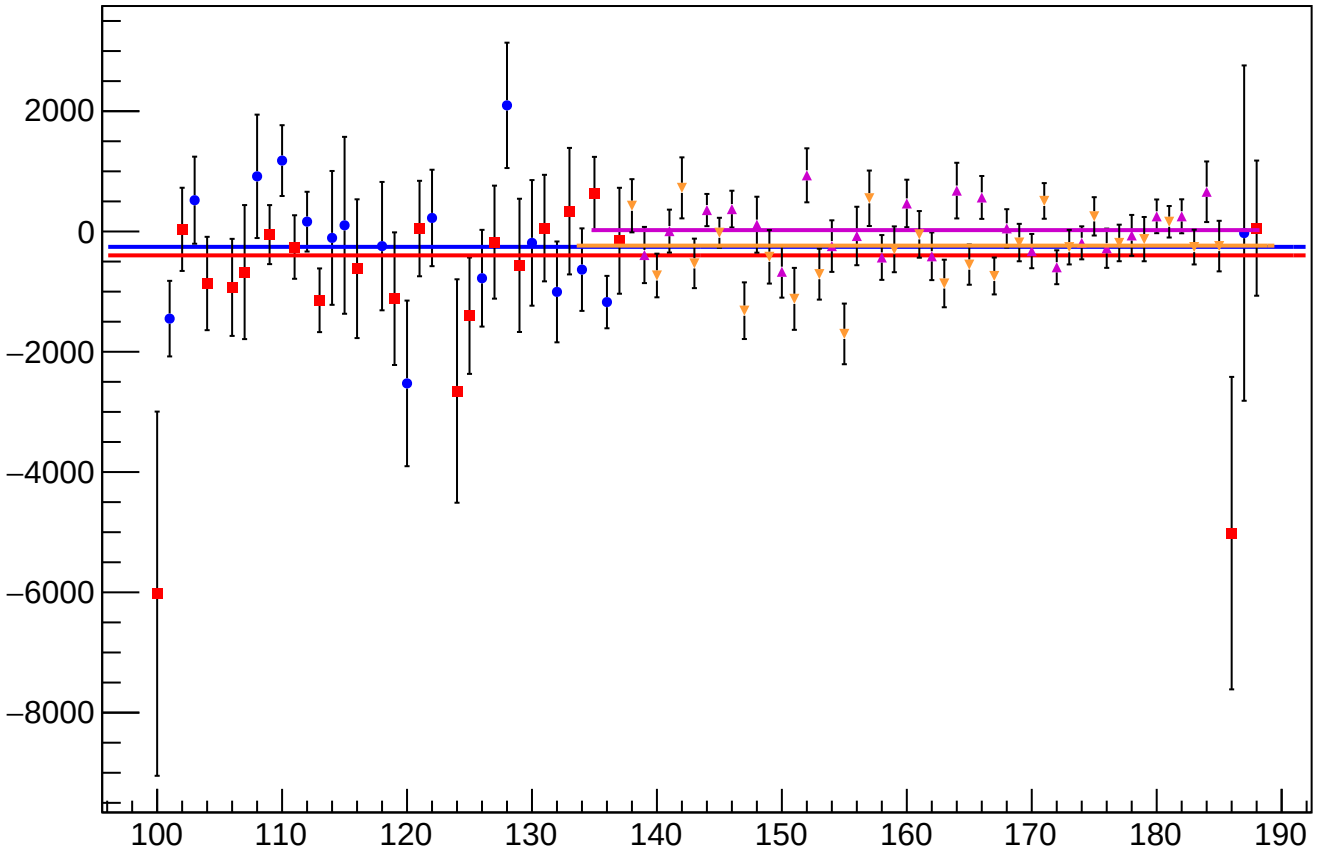
Right Out: 476.812+/-0.121 χ^2/NDF: 2102097.5/20

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 322.058+/-0.046 χ^2/NDF: 4265112.3/41

All: 324.430+/-0.033 χ^2/NDF: 9437466.3/85

- sign 326.884+/-0.047 χ^2/NDF: 5166940.1/43



Right In: -255.725+/-186.046 χ^2/NDF: 26.9/16

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -397.283+/-179.577 χ^2/NDF: 17.6/20

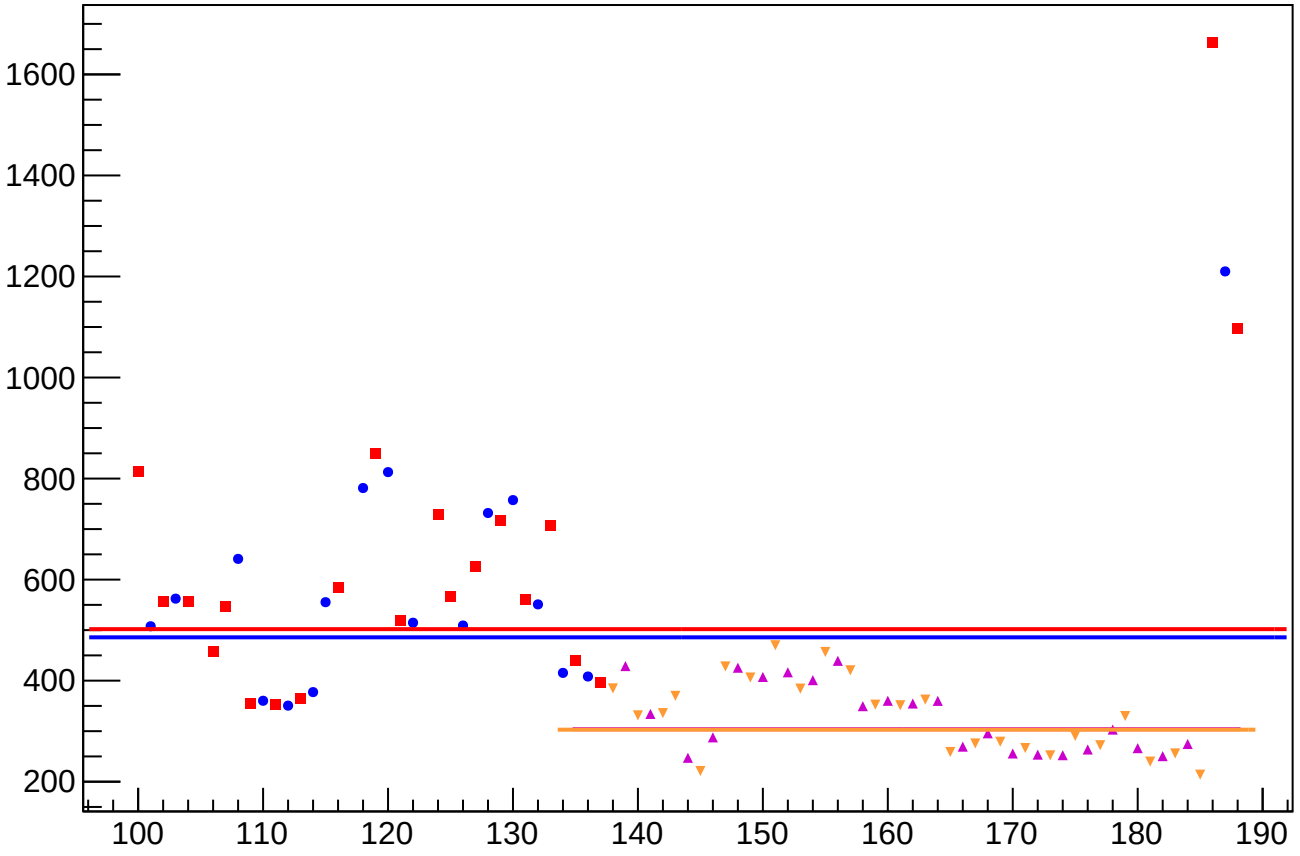
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -237.765+/-66.123 χ^2/NDF: 74.4/41

All: -138.917+/-47.181 χ^2/NDF: 131.1/85

- sign -36.392+/-67.341 χ^2/NDF: 52.1/43

asym_sam_15_37_dd_rms vs Slug



Right In: 485.752+/-0.132 χ^2/NDF: 1082135.7/16

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

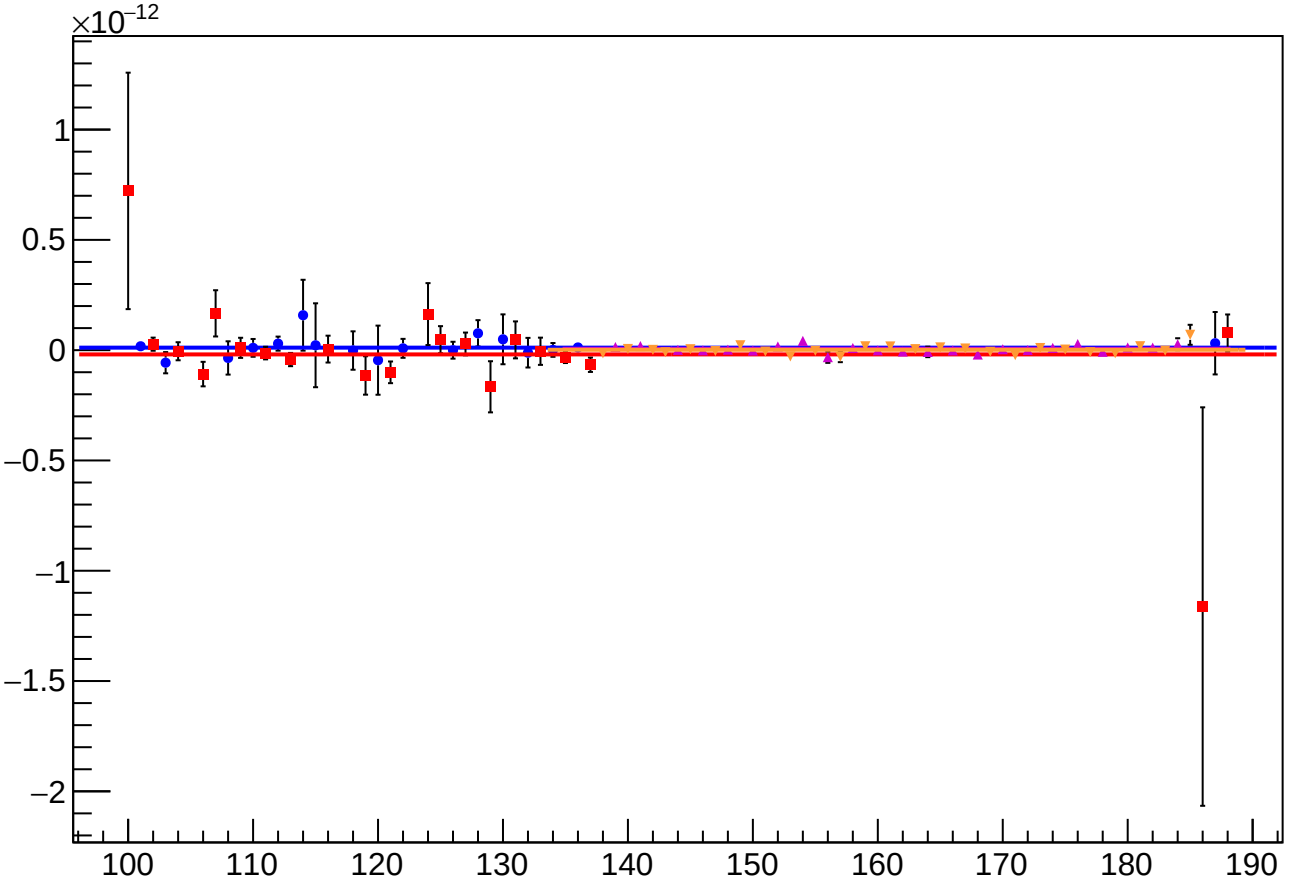
Right Out: 501.976+/-0.127 χ^2/NDF: 1983394.2/20

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 326.035+/-0.047 χ^2/NDF: 4535288.4/41

All: 328.852+/-0.033 χ^2/NDF: 9992969.5/85

- sign 331.774+/-0.048 χ^2/NDF: 5450286.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 5.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

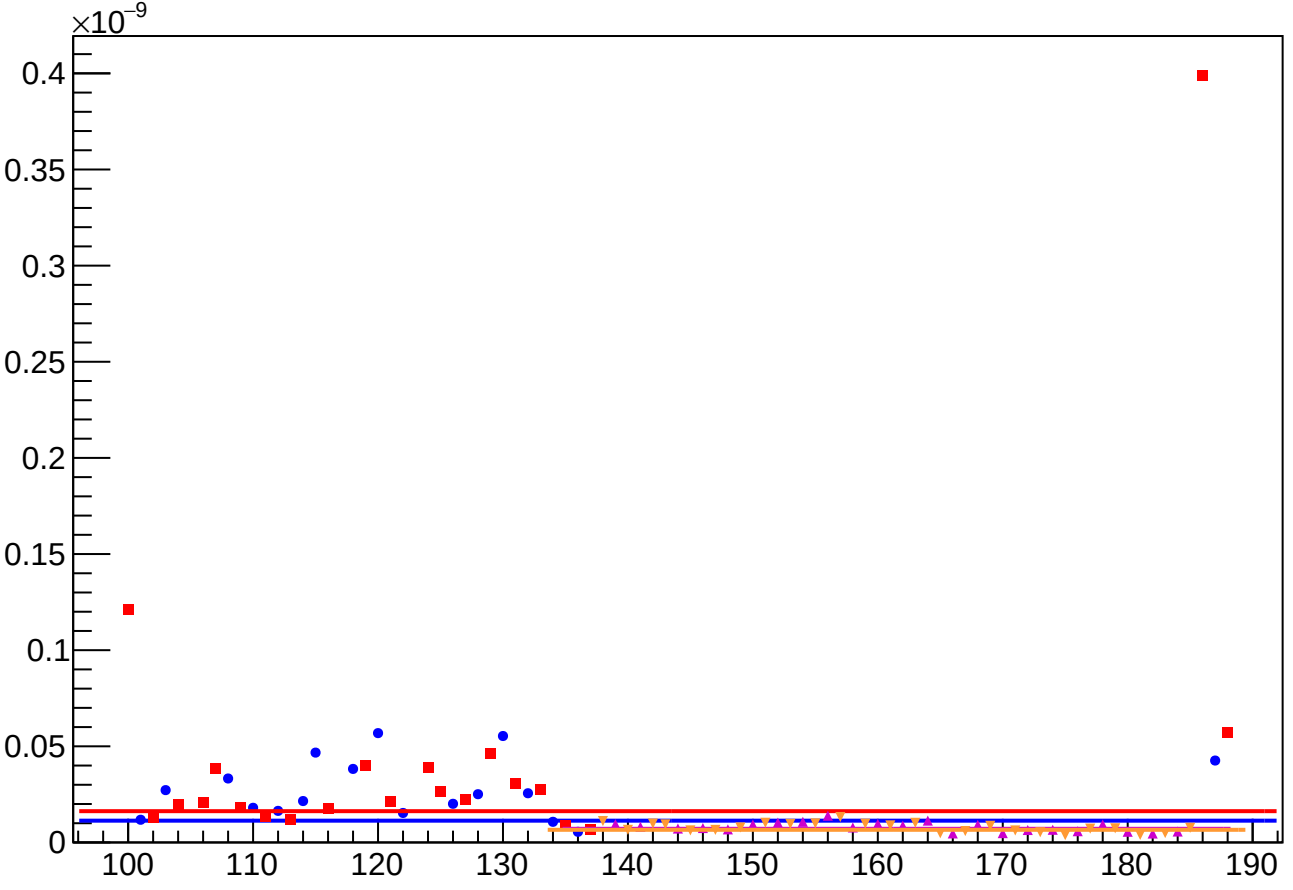
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/20

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 29.6/41

All: 0.000+/-0.000 χ^2/NDF: 80.4/85

- sign 0.000+/-0.000 χ^2/NDF: 50.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 2201118.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

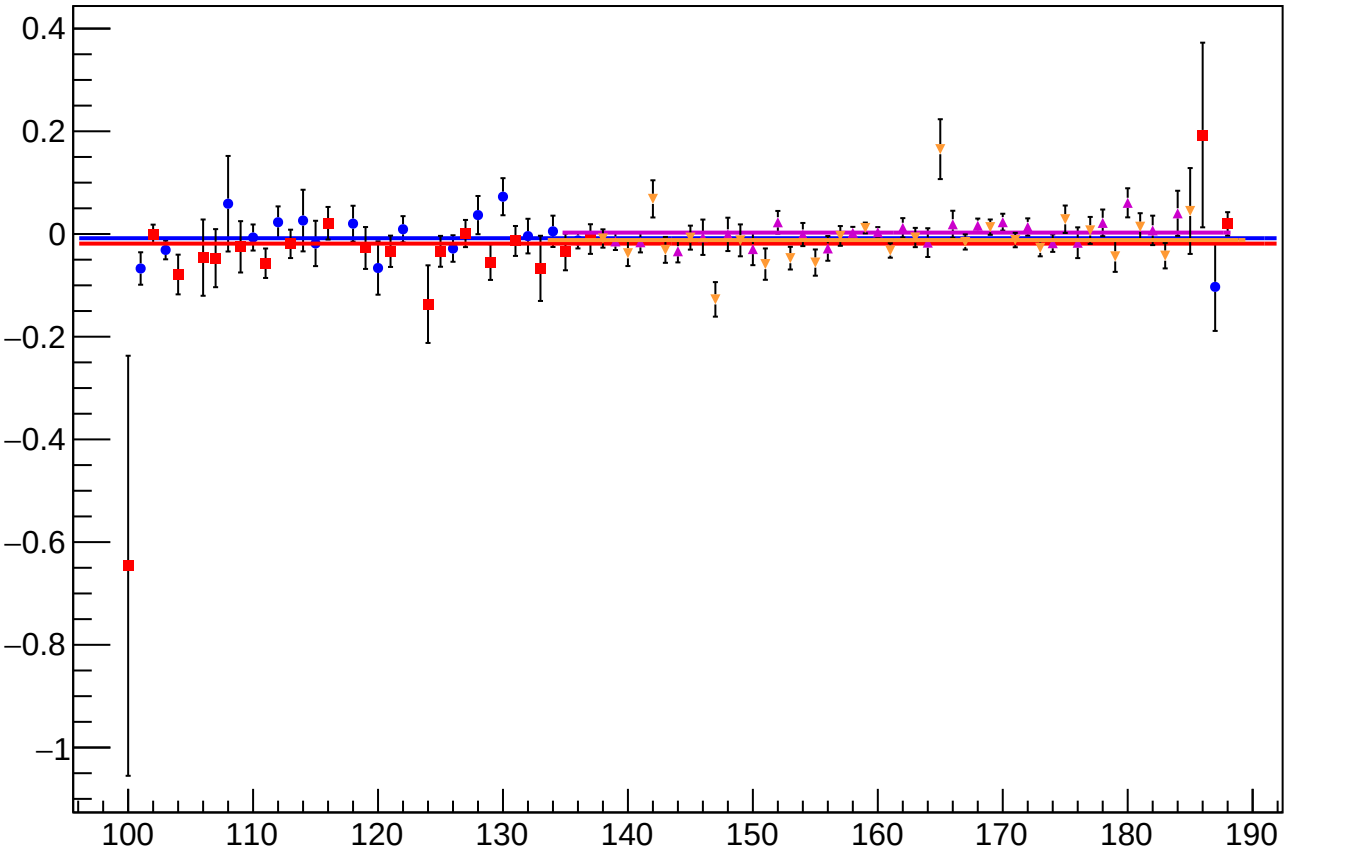
Right Out: 0.000+/-0.000 χ^2/NDF: 2031639.3/20

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 4320278.7/41

All: 0.000+/-0.000 χ^2/NDF: 8915580.8/85

- sign 0.000+/-0.000 χ^2/NDF: 4520221.3/43



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.019+/-0.007 χ^2/NDF: 19.3/20

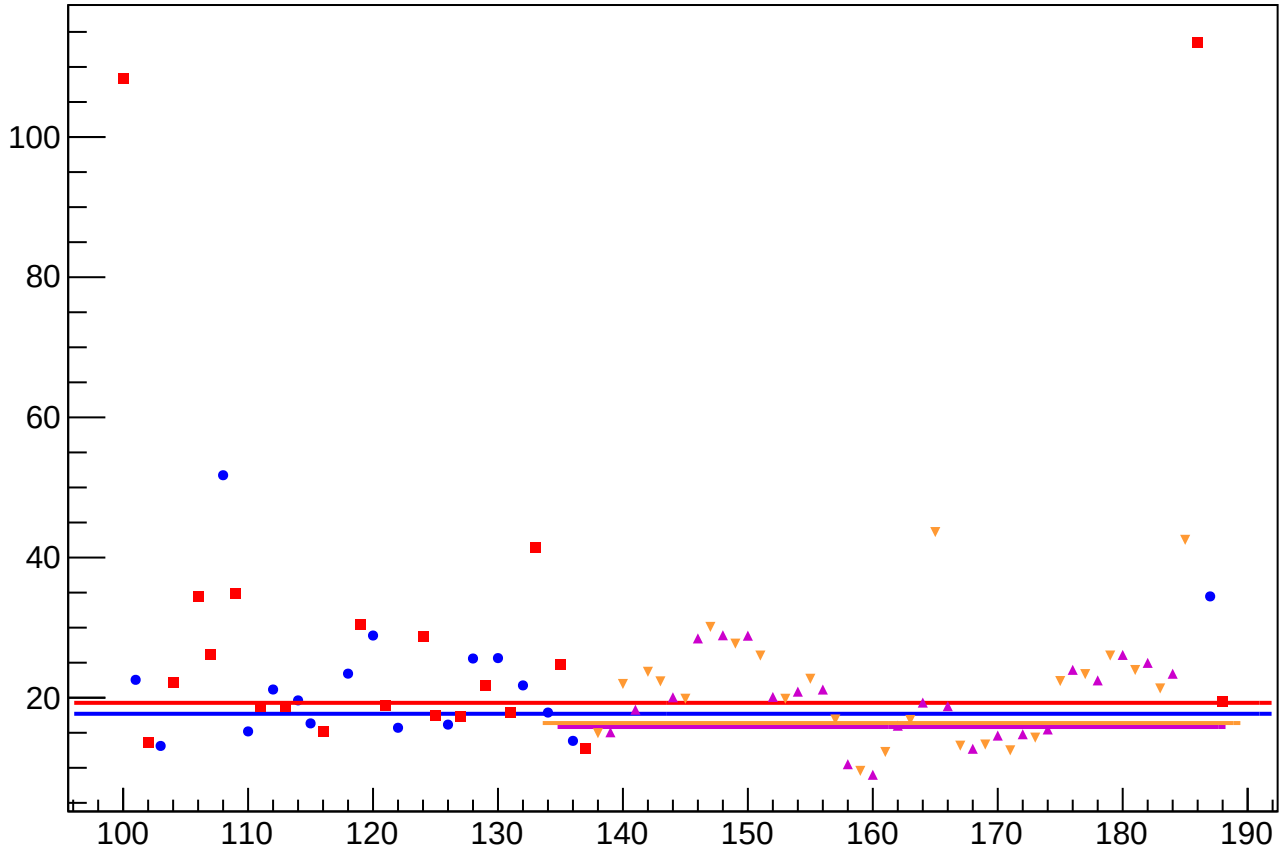
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 71.6/41

All: -0.007+/-0.003 χ^2/NDF: 120.1/85

- sign -0.002+/-0.004 χ^2/NDF: 45.6/43

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.709+/-0.005 χ^2/NDF: 1070029.3/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

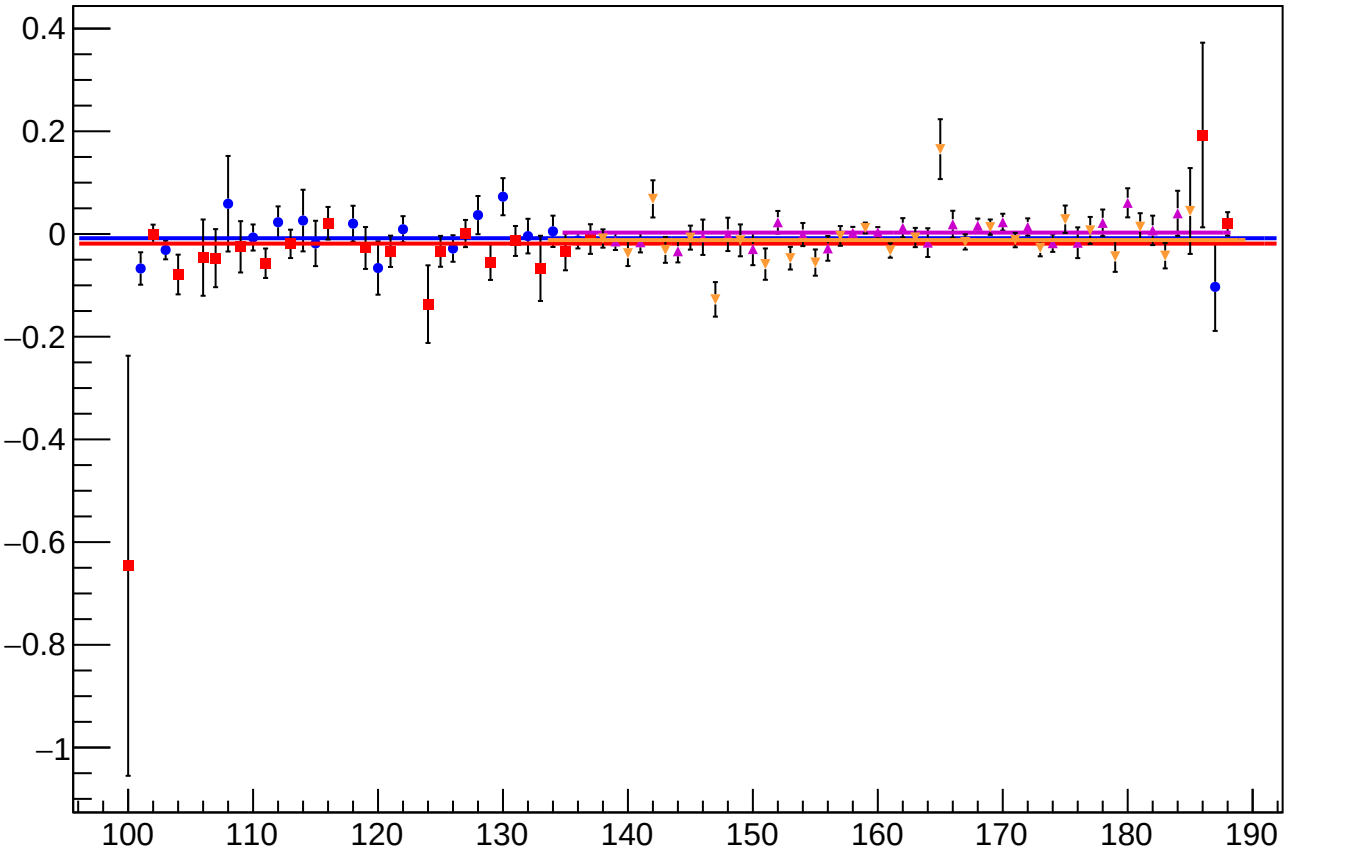
Right Out: 19.271+/-0.005 χ^2/NDF: 1798652.7/20

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 16.709+/-0.003 χ^2/NDF: 5151435.8/41

All: 16.668+/-0.002 χ^2/NDF: 10944743.4/85

\- sign 16.628+/-0.003 χ^2/NDF: 5792781.6/43



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

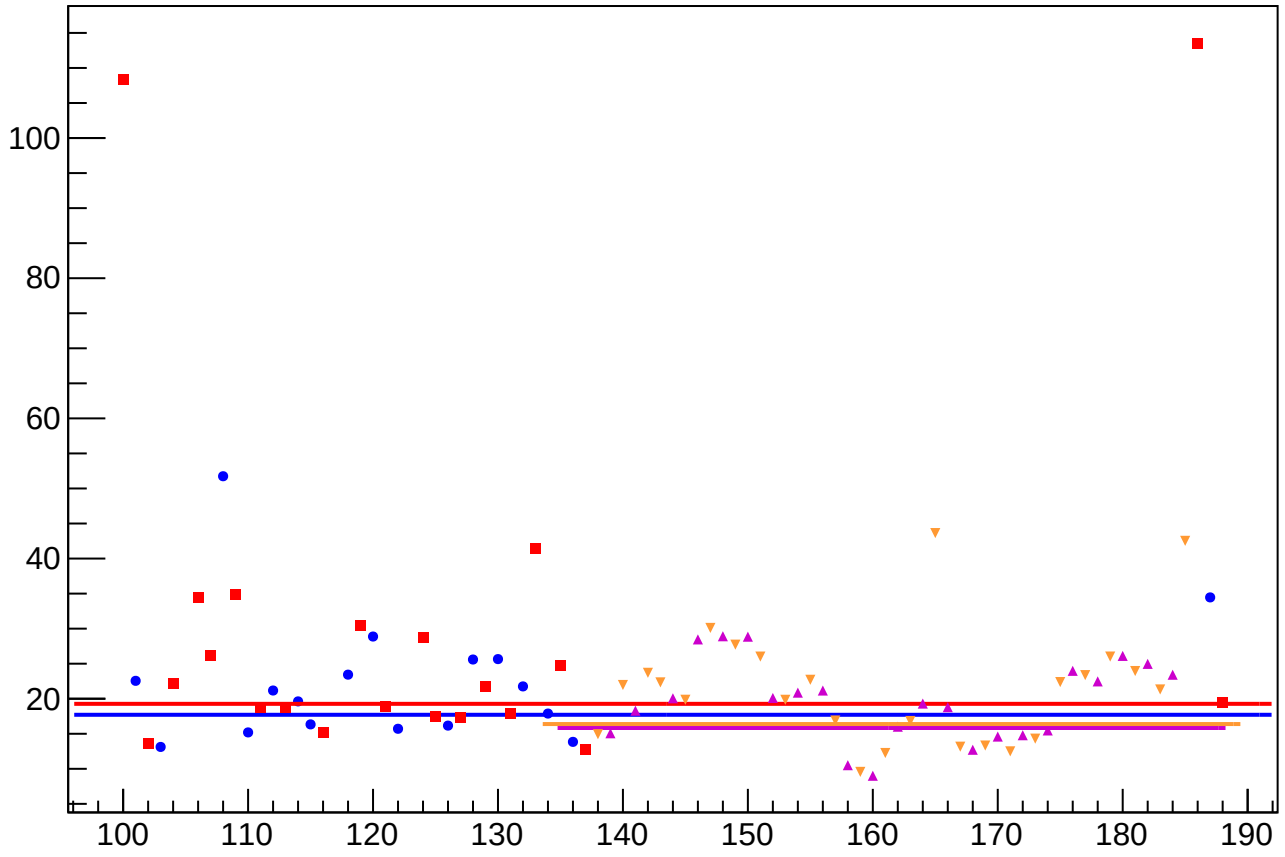
Right Out: -0.019+/-0.007 χ^2/NDF: 19.3/20

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 71.6/41

All: -0.007+/-0.003 χ^2/NDF: 120.1/85

- sign -0.002+/-0.004 χ^2/NDF: 45.6/43



Right In: 17.709+/-0.005 χ^2/NDF: 1070029.3/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

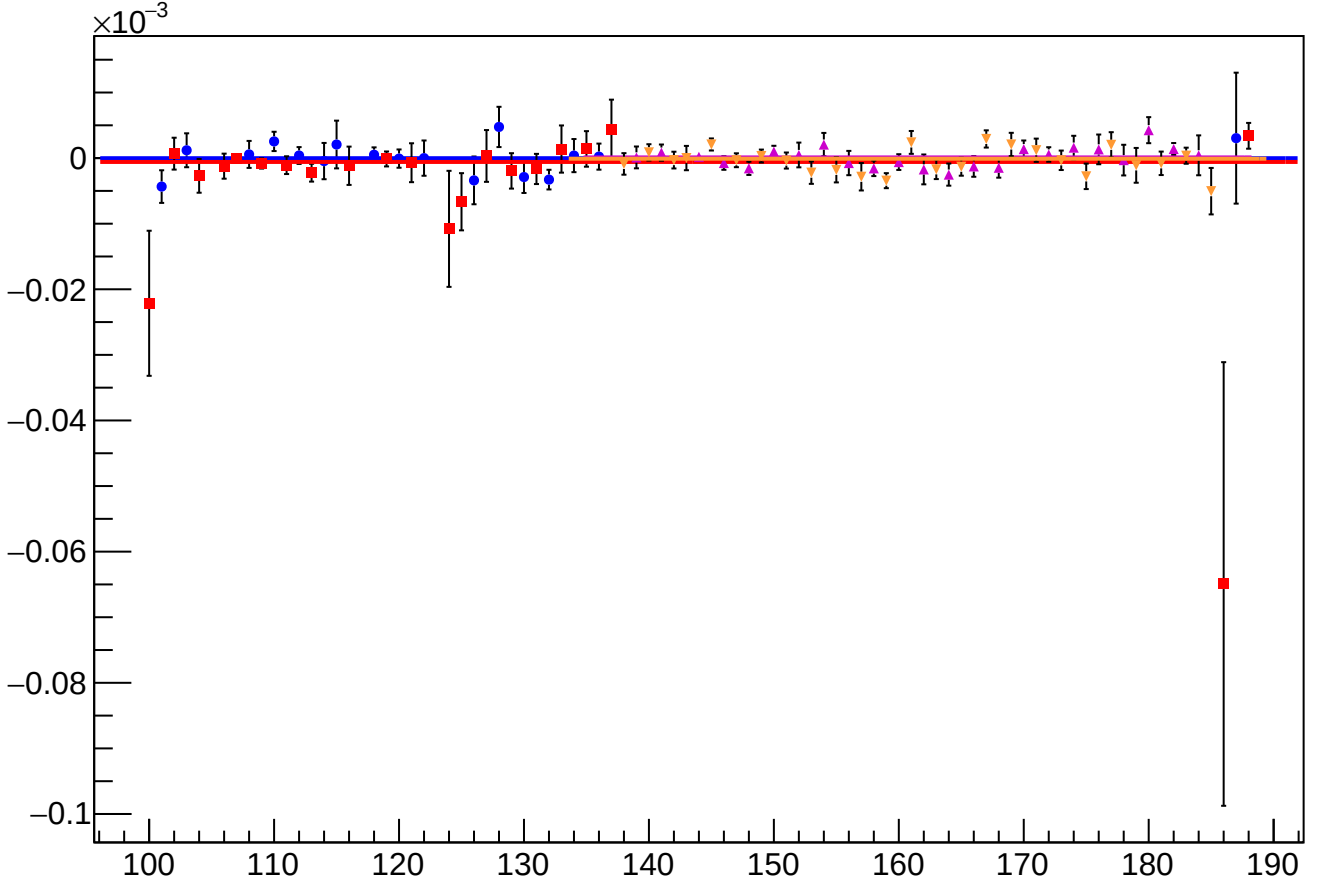
Right Out: 19.271+/-0.005 χ^2/NDF: 1798652.7/20

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 16.709+/-0.003 χ^2/NDF: 5151435.8/41

All: 16.668+/-0.002 χ^2/NDF: 10944743.4/85

\- sign 16.628+/-0.003 χ^2/NDF: 5792781.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

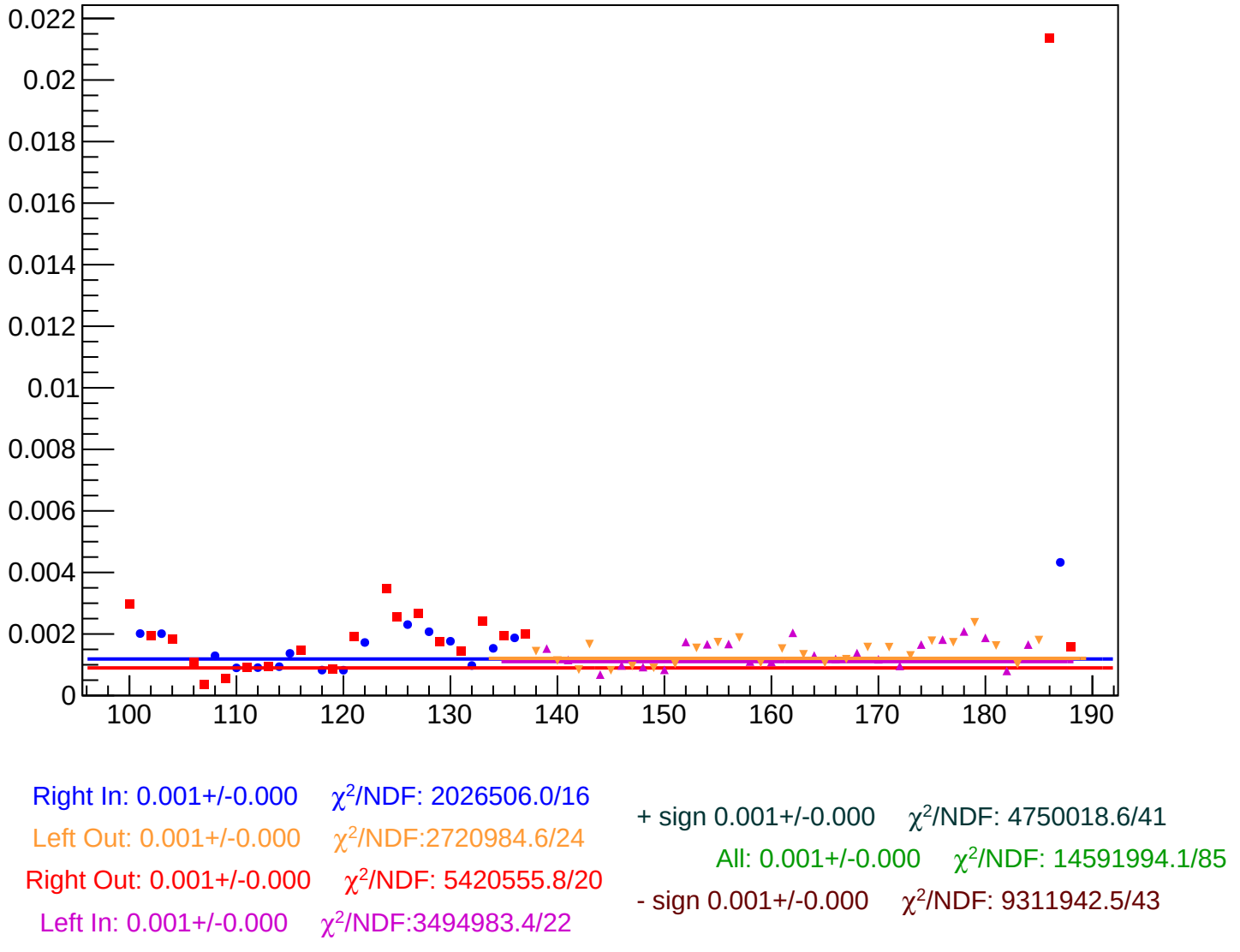
Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/20

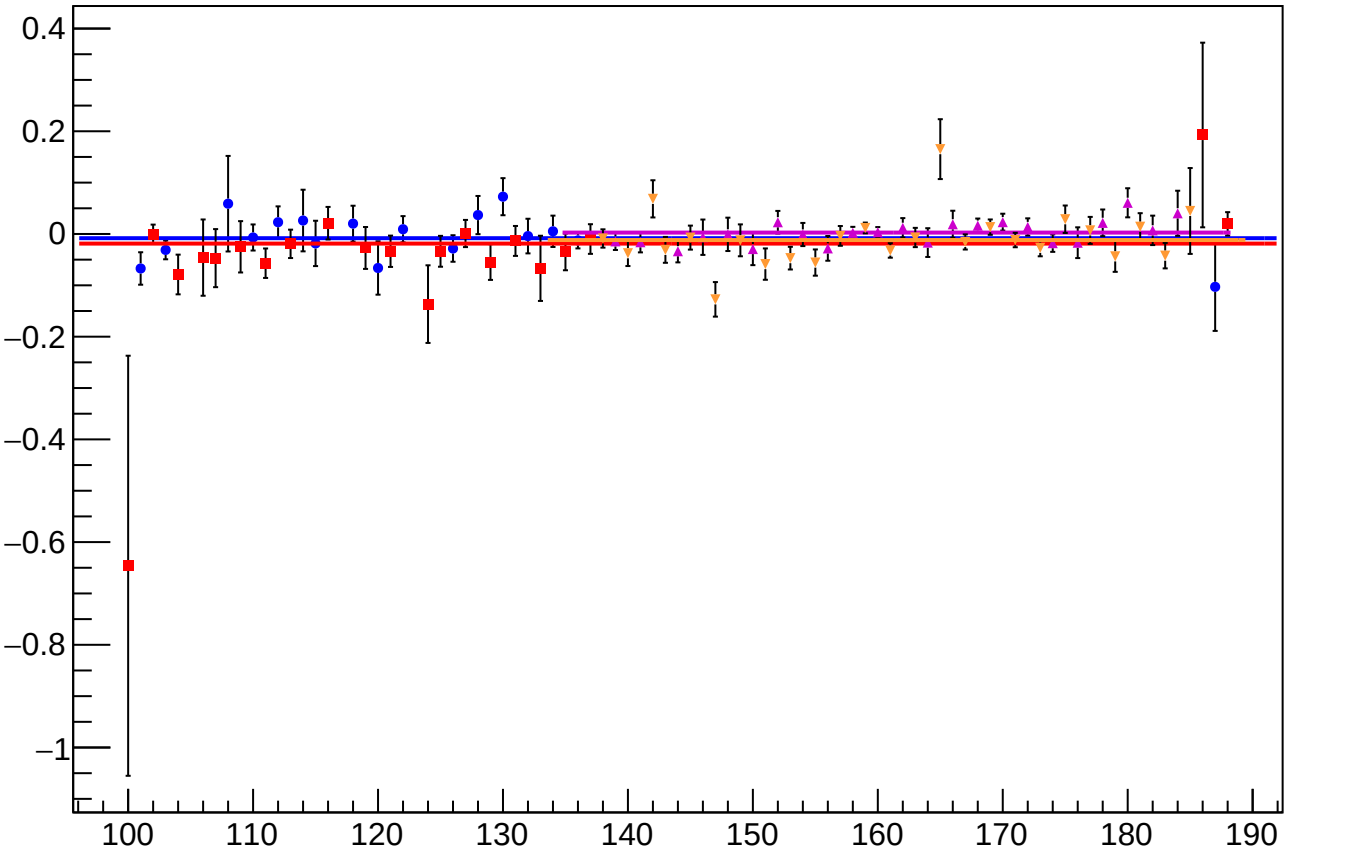
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.7/41

All: -0.000+/-0.000 χ^2/NDF: 97.7/85

- sign -0.000+/-0.000 χ^2/NDF: 44.9/43


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 2026506.0/16
Left Out: 0.001+/-0.000 χ²/NDF:2720984.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 5420555.8/20
Left In: 0.001+/-0.000 χ²/NDF:3494983.4/22
+ sign 0.001+/-0.000 χ²/NDF: 4750018.6/41
All: 0.001+/-0.000 χ²/NDF: 14591994.1/85
- sign 0.001+/-0.000 χ²/NDF: 9311942.5/43



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

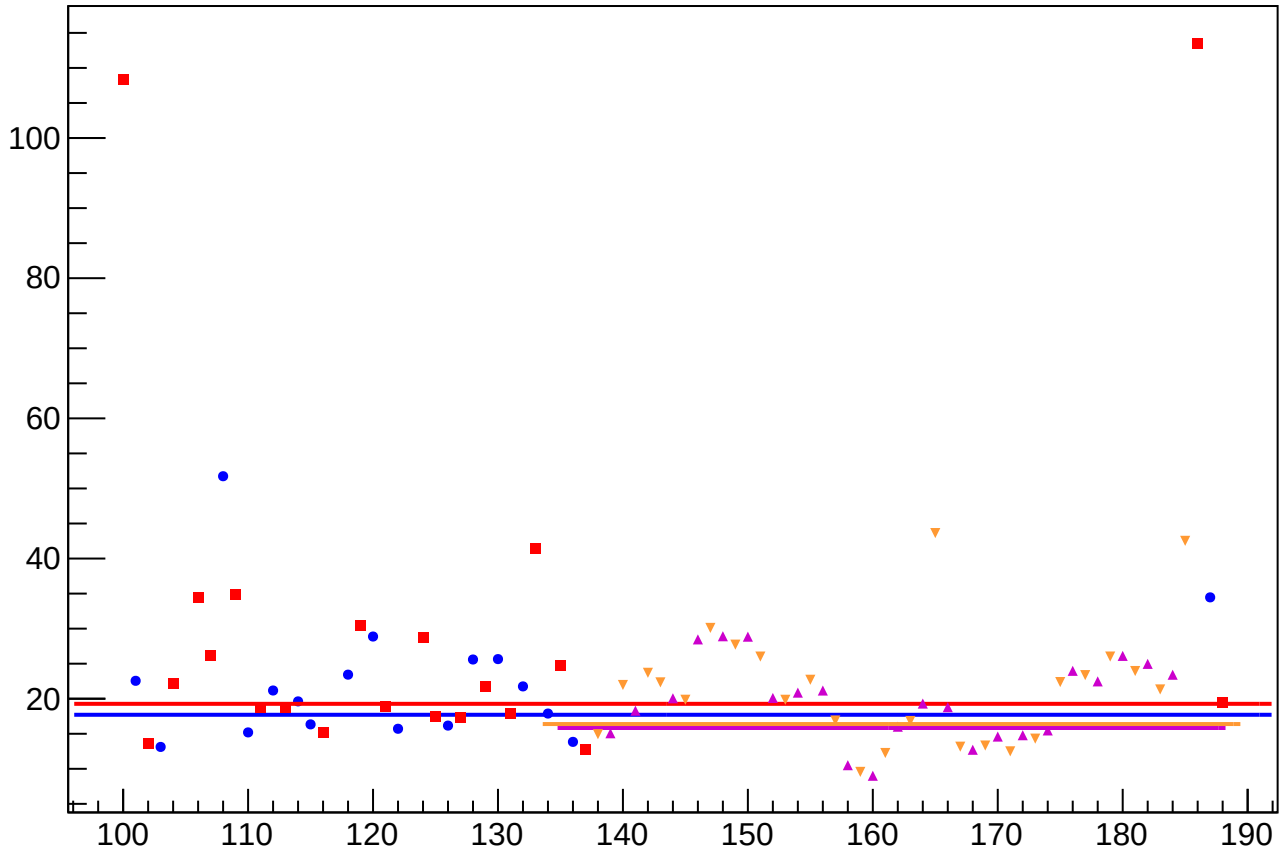
Right Out: -0.019+/-0.007 χ^2/NDF: 19.3/20

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 71.6/41

All: -0.007+/-0.003 χ^2/NDF: 120.1/85

- sign -0.002+/-0.004 χ^2/NDF: 45.6/43



Right In: 17.709+/-0.005 χ^2/NDF: 1070088.7/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

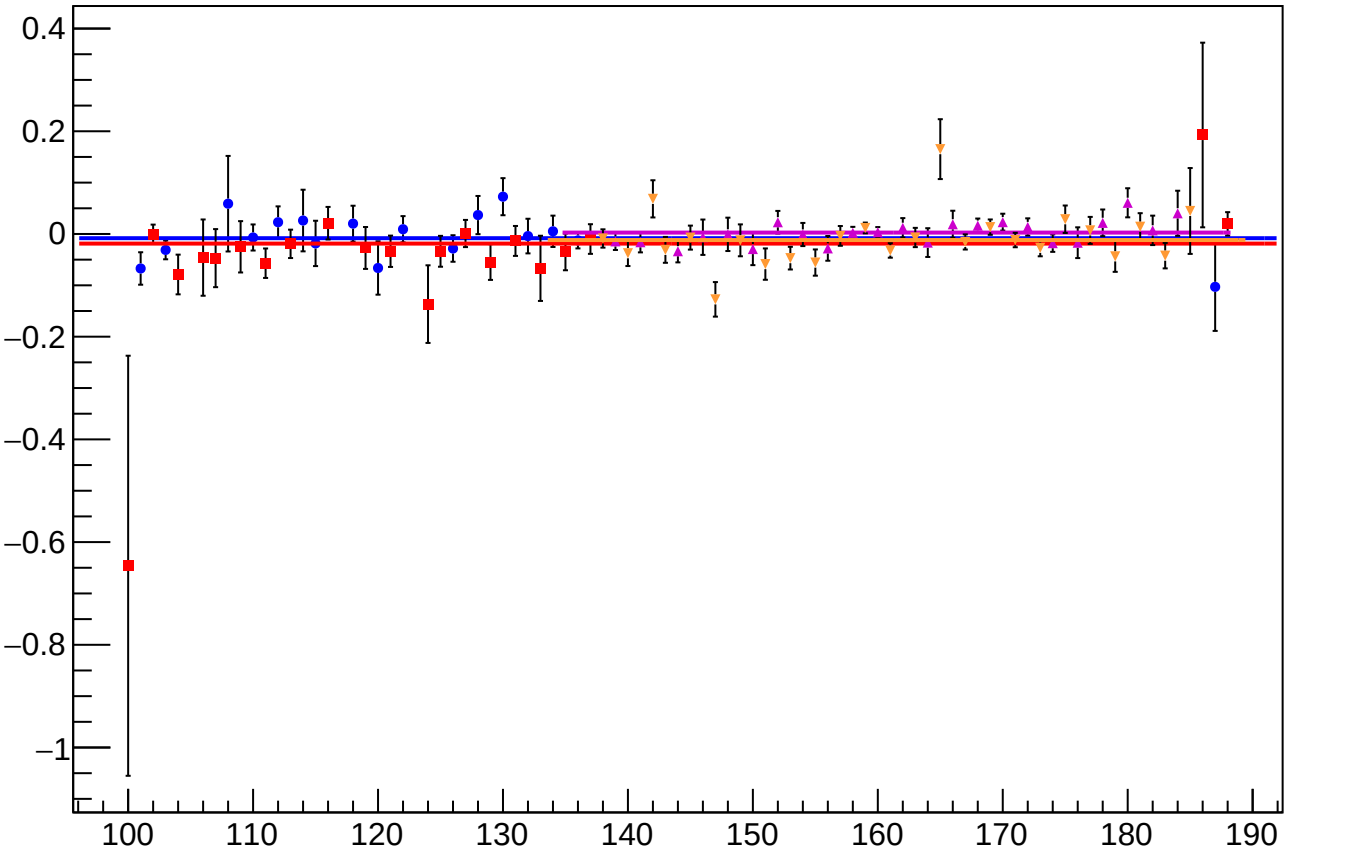
Right Out: 19.272+/-0.005 χ^2/NDF: 1798562.8/20

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 16.709+/-0.003 χ^2/NDF: 5151764.9/41

All: 16.668+/-0.002 χ^2/NDF: 10945489.0/85

- sign 16.628+/-0.003 χ^2/NDF: 5793198.4/43



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

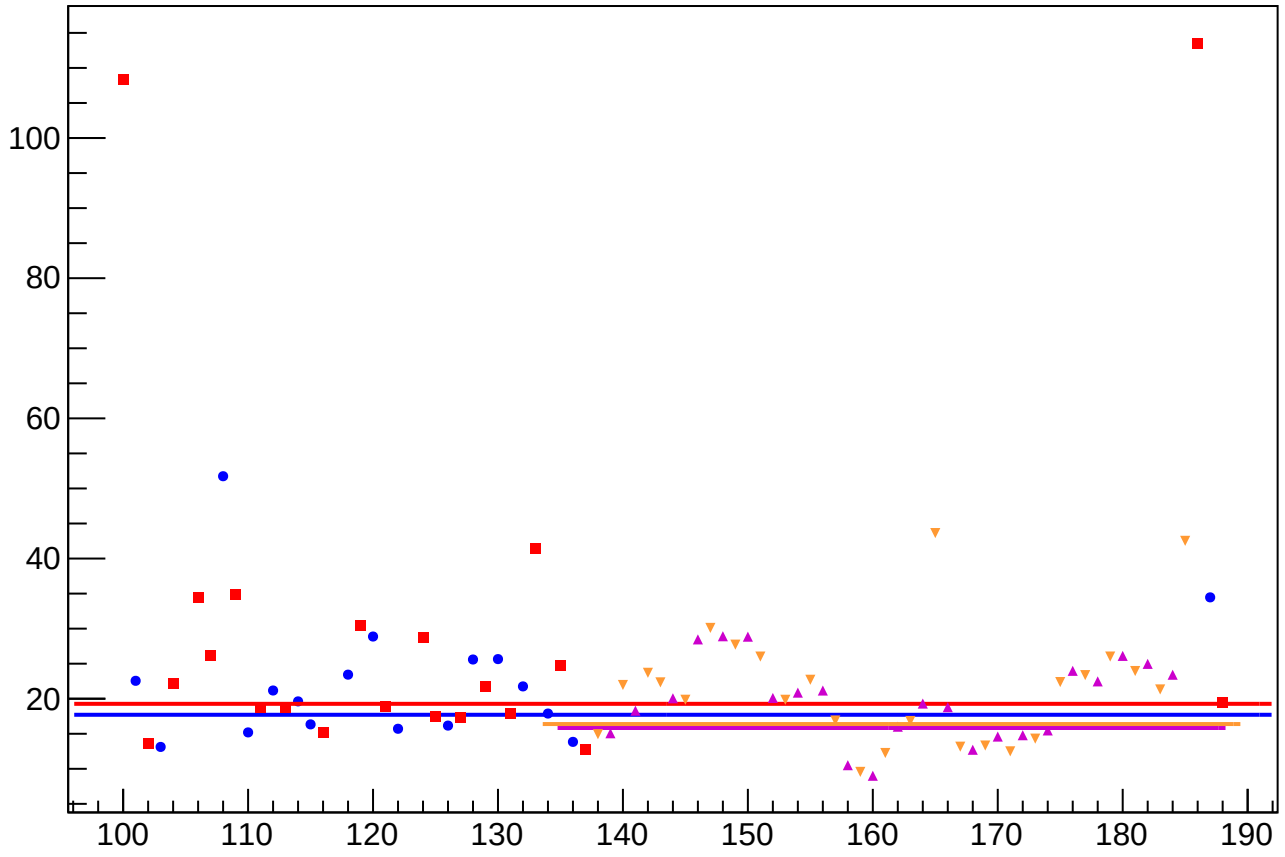
Right Out: -0.019+/-0.007 χ^2/NDF: 19.3/20

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 71.6/41

All: -0.007+/-0.003 χ^2/NDF: 120.1/85

- sign -0.002+/-0.004 χ^2/NDF: 45.6/43



Right In: 17.709+/-0.005 χ^2/NDF: 1070088.7/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

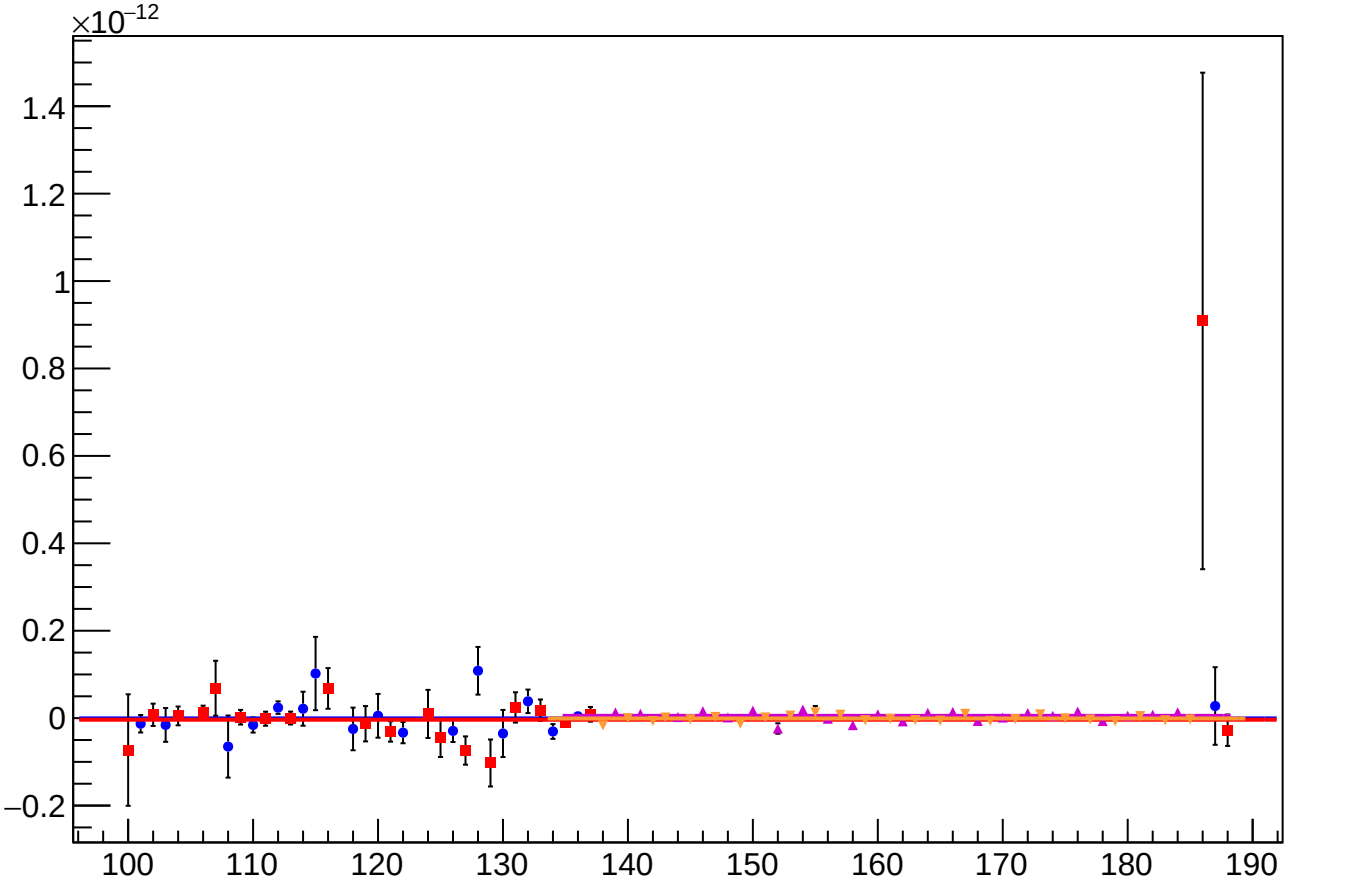
Right Out: 19.272+/-0.005 χ^2/NDF: 1798562.8/20

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 16.709+/-0.003 χ^2/NDF: 5151764.9/41

All: 16.668+/-0.002 χ^2/NDF: 10945489.0/85

- sign 16.628+/-0.003 χ^2/NDF: 5793198.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

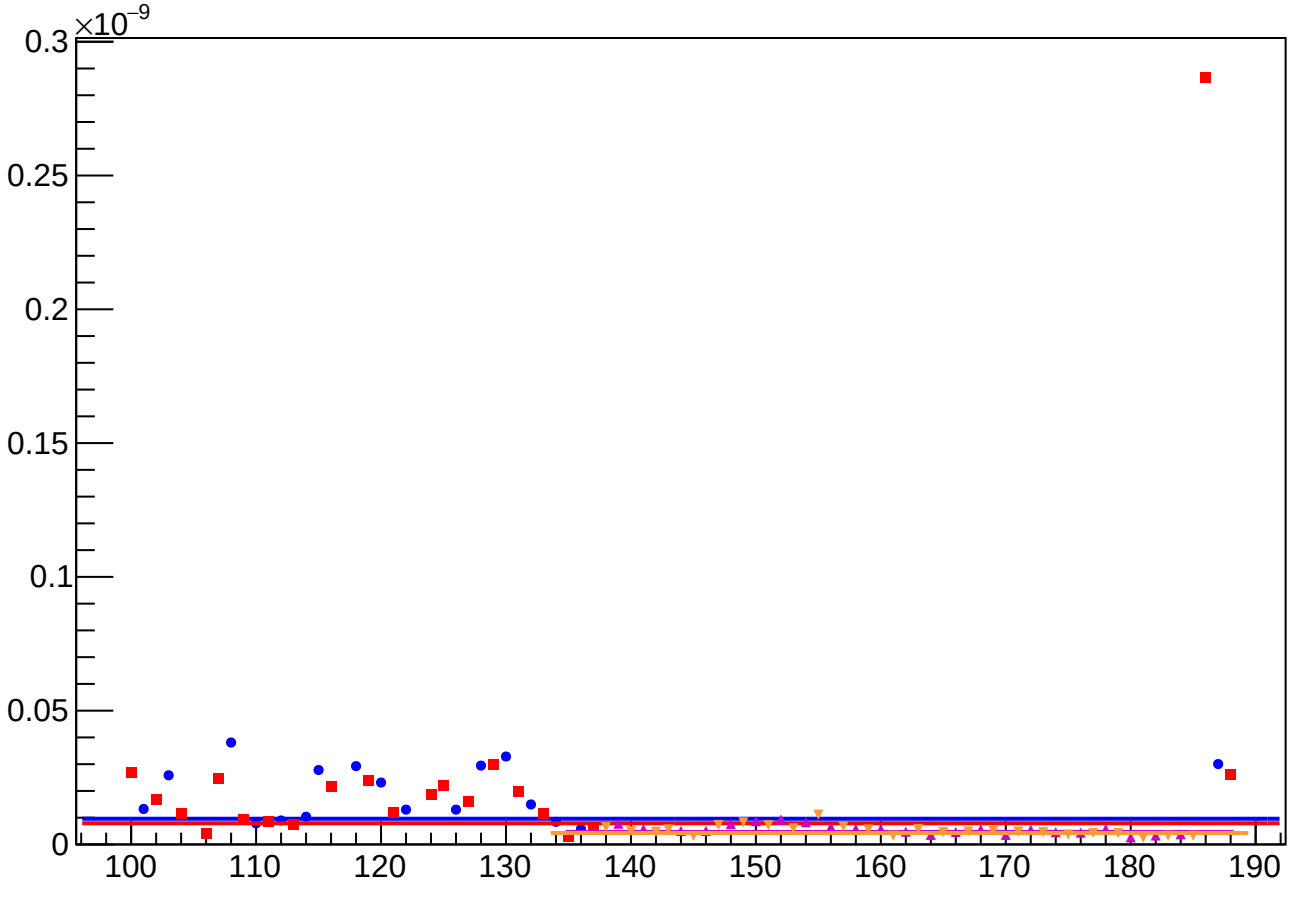
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/20

Left In: 0.000+/-0.000 χ^2/NDF:37.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.5/41

All: 0.000+/-0.000 χ^2/NDF: 111.4/85

- sign 0.000+/-0.000 χ^2/NDF: 63.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 2738841.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4083740.1/20

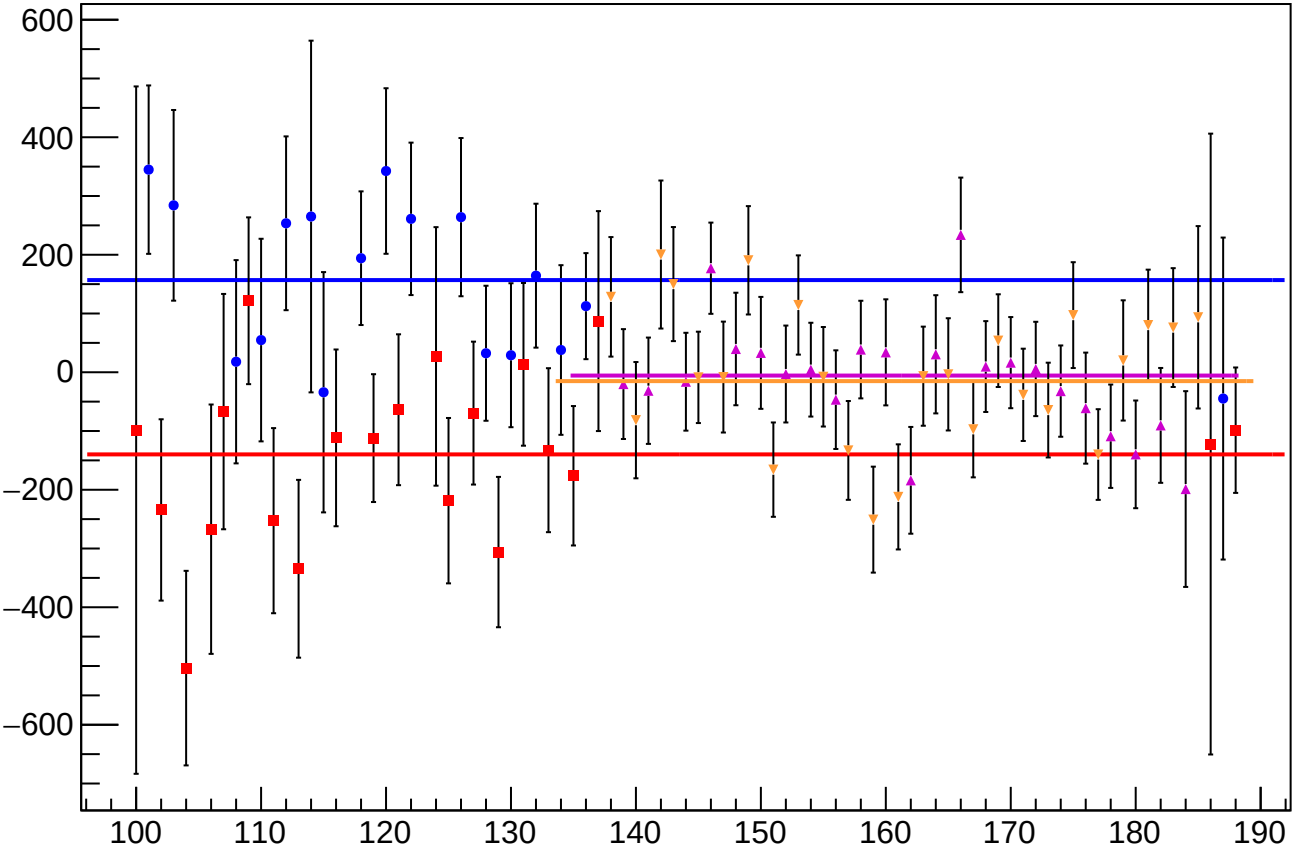
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7409212.8/41

All: 0.000+/-0.000 χ^2/NDF: 15056836.5/85

- sign 0.000+/-0.000 χ^2/NDF: 7574200.6/43

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 156.888+/-33.907 χ^2/NDF: 11.6/16

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -139.809+/-32.519 χ^2/NDF: 17.6/20

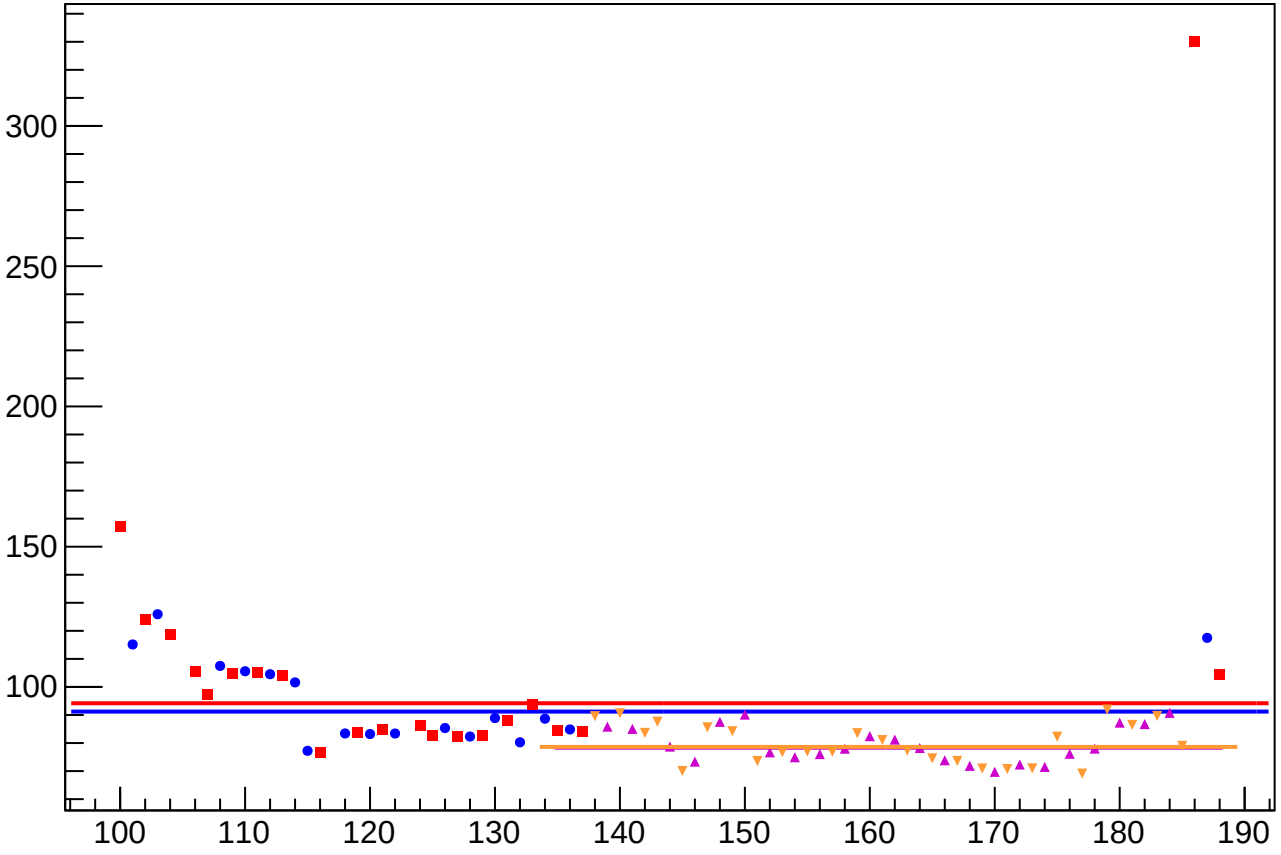
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 22.571+/-15.869 χ^2/NDF: 73.4/41

All: -7.522+/-11.268 χ^2/NDF: 134.1/85

- sign -38.121+/-16.002 χ^2/NDF: 53.5/43

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 91.211+/-0.024 χ^2/NDF: 291445.9/16

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

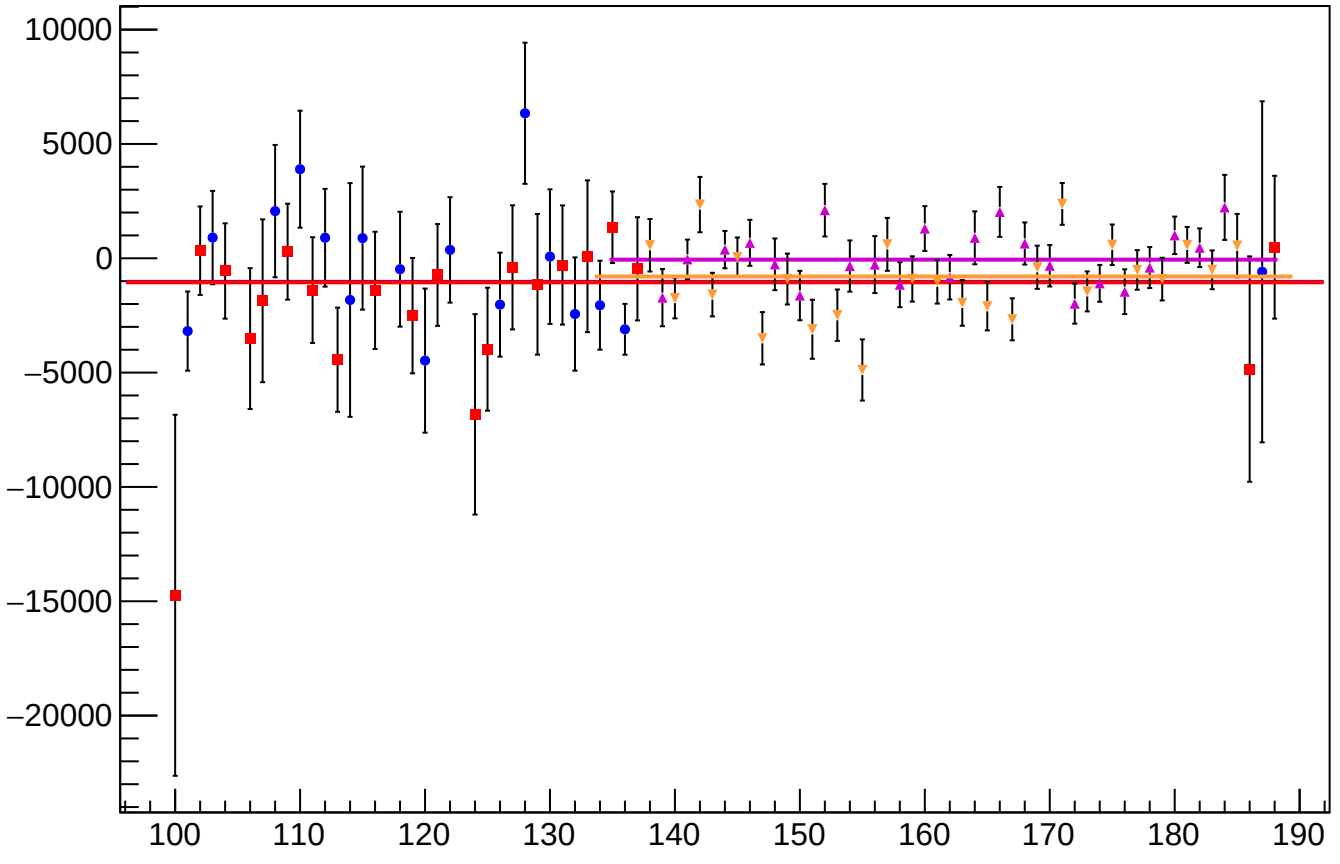
Right Out: 94.186+/-0.023 χ^2/NDF: 726180.3/20

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.376+/-0.011 χ^2/NDF: 814105.0/41

All: 81.771+/-0.008 χ^2/NDF: 2112087.7/85

- sign 82.173+/-0.011 χ^2/NDF: 1295484.7/43



Right In: -1032.631+/-548.715 χ^2/NDF: 20.2/16

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1051.115+/-556.146 χ^2/NDF: 13.7/20

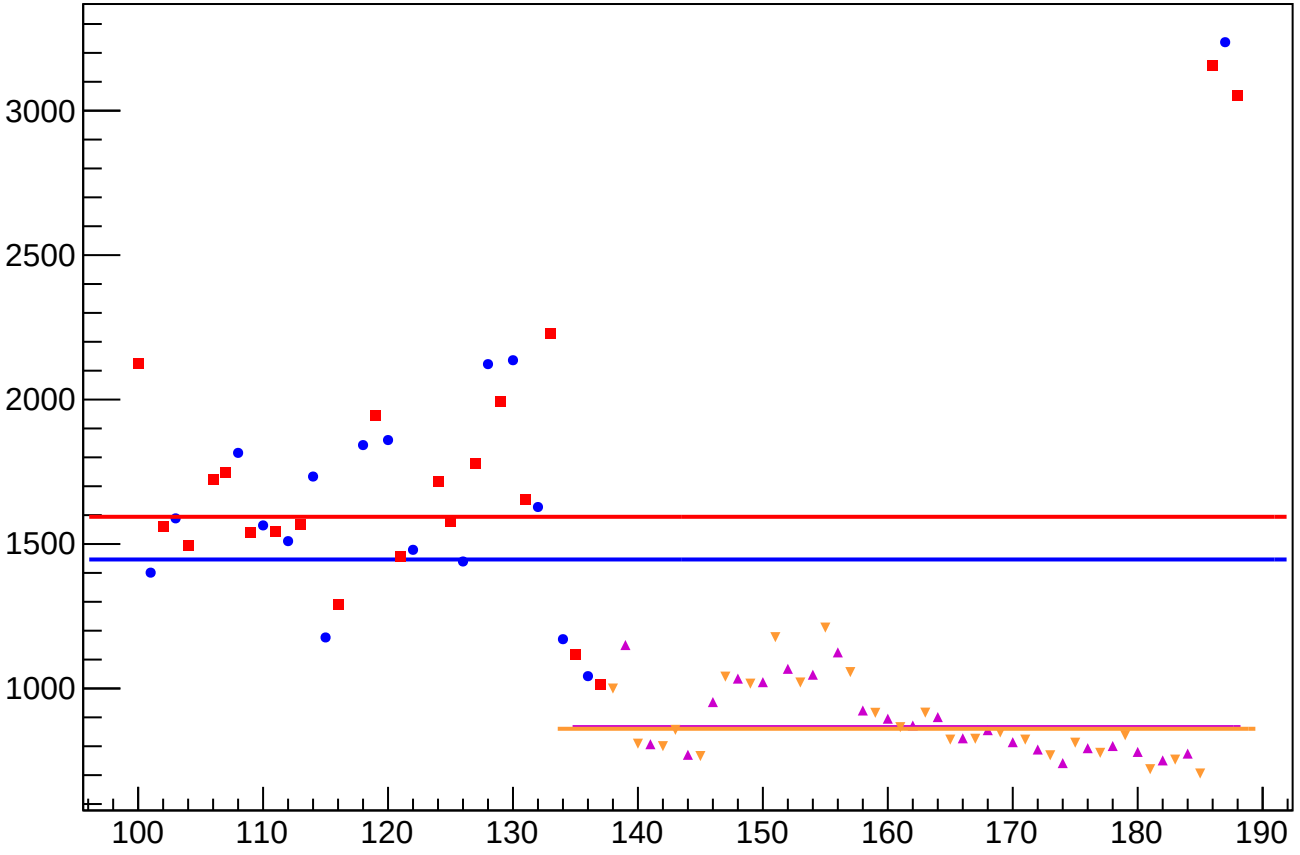
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.118+/-186.149 χ^2/NDF: 79.9/41

All: -510.633+/-133.608 χ^2/NDF: 132.7/85

- sign -177.537+/-191.883 χ^2/NDF: 47.0/43

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1446.483+/-0.388 χ^2/NDF: 791620.8/16

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1594.231+/-0.393 χ^2/NDF: 1172289.1/20

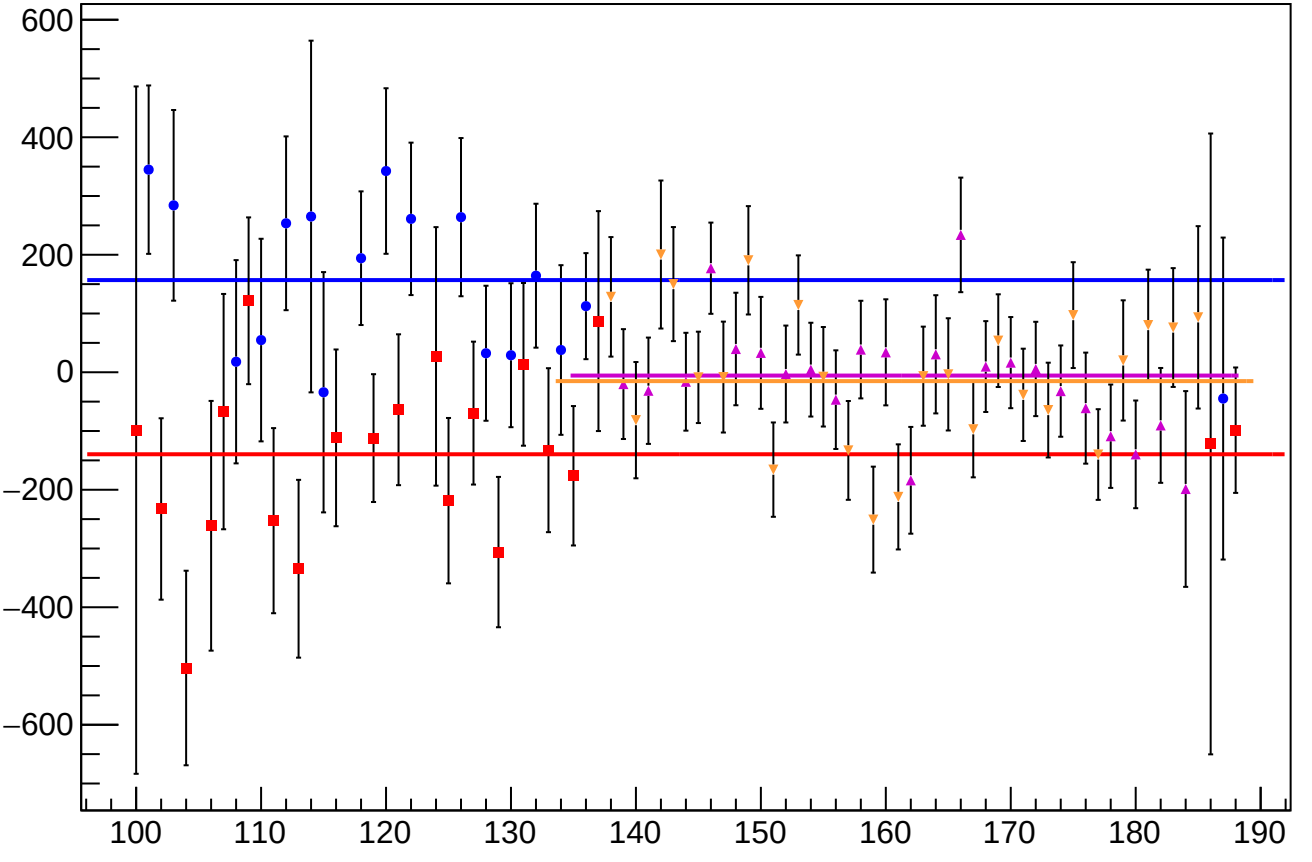
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 927.932+/-0.132 χ^2/NDF: 3509320.9/41

All: 940.085+/-0.094 χ^2/NDF: 8330503.5/85

- sign 952.999+/-0.136 χ^2/NDF: 4803599.6/43

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 156.884+/-33.907 χ^2/NDF: 11.6/16

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -139.578+/-32.520 χ^2/NDF: 17.5/20

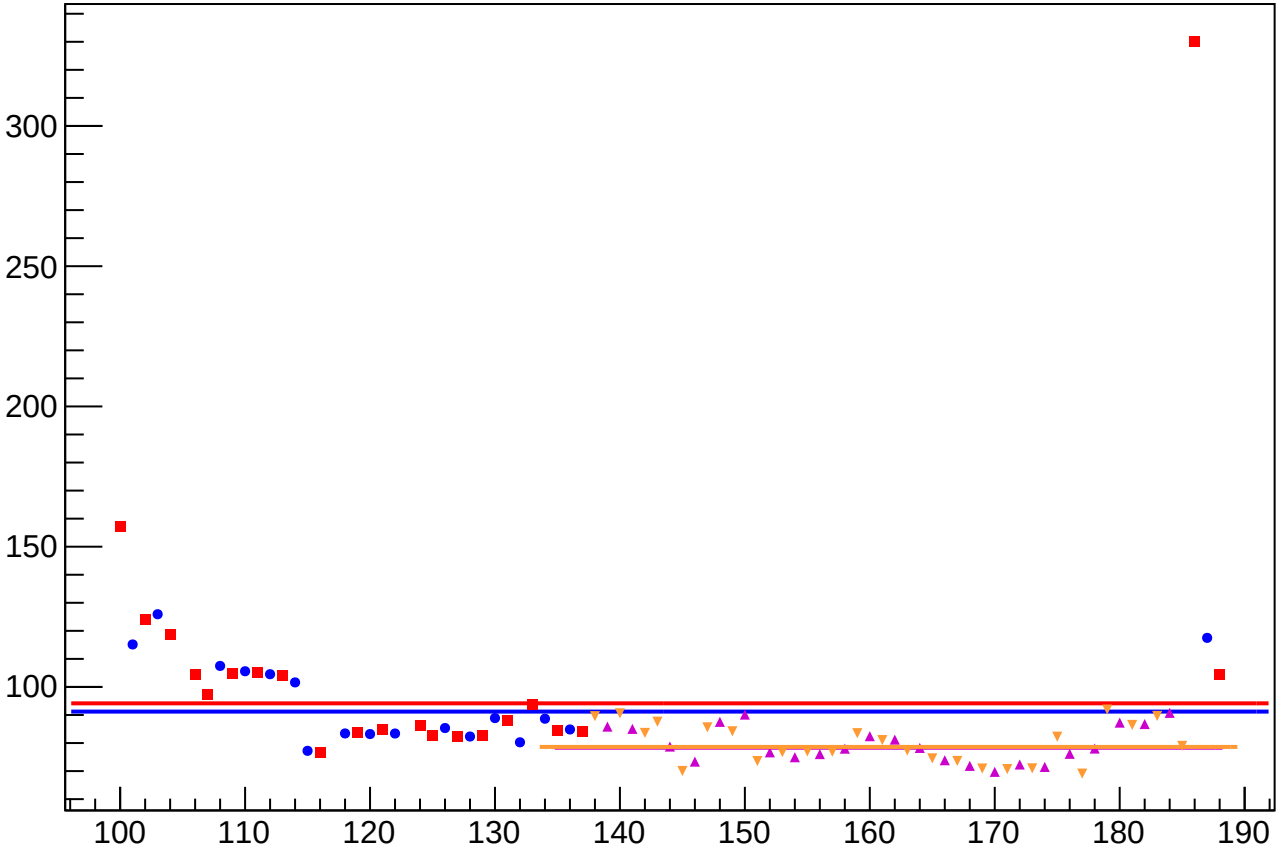
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.572+/-15.869 χ^2/NDF: 73.4/41

All: -7.490+/-11.268 χ^2/NDF: 134.0/85

- sign -38.060+/-16.002 χ^2/NDF: 53.4/43

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 91.211+/-0.024 χ^2/NDF: 291447.7/16

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

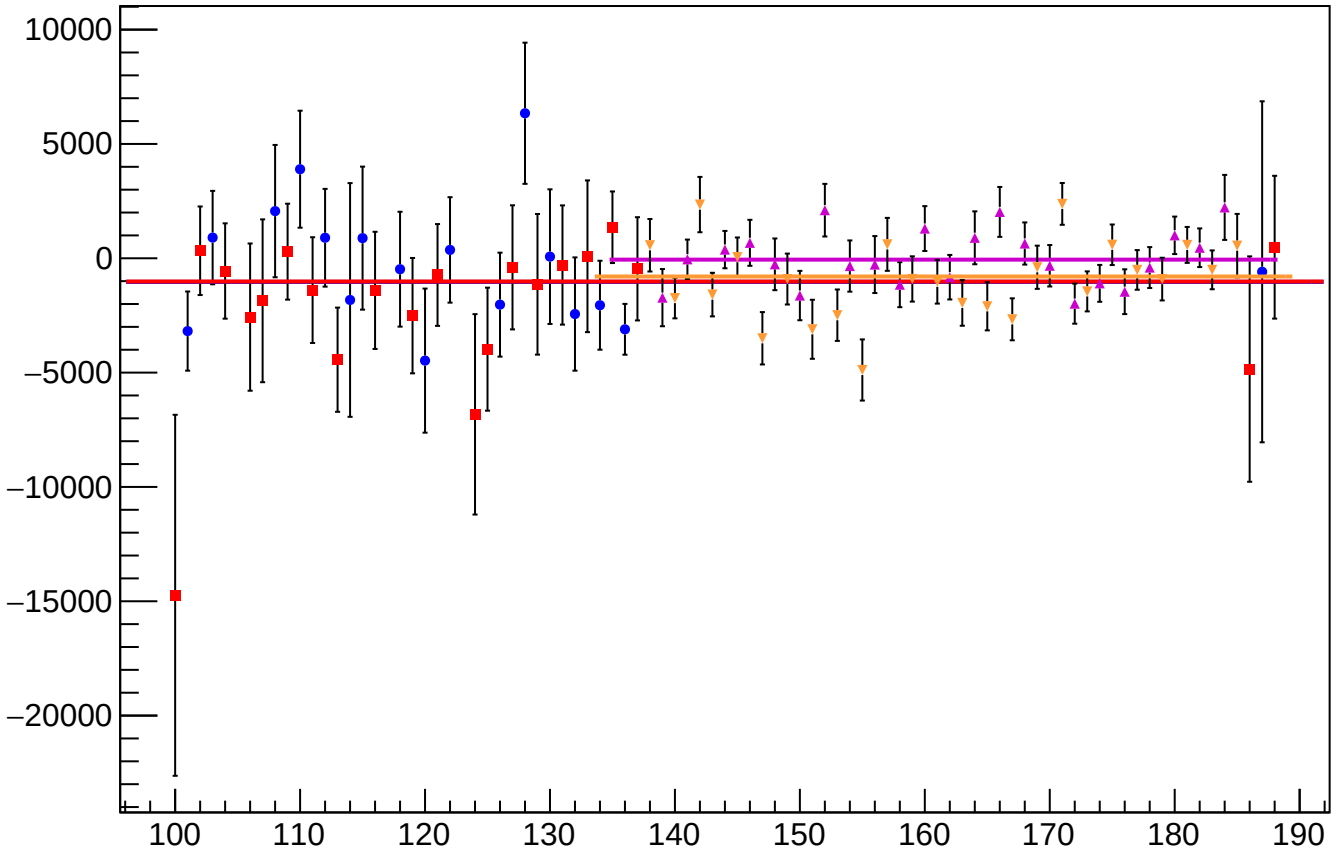
Right Out: 94.156+/-0.023 χ^2/NDF: 725146.3/20

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.376+/-0.011 χ^2/NDF: 814107.0/41

All: 81.768+/-0.008 χ^2/NDF: 2109631.8/85

- sign 82.165+/-0.011 χ^2/NDF: 1293073.7/43



Right In: -1032.608+/-548.717 χ^2/NDF: 20.2/16

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

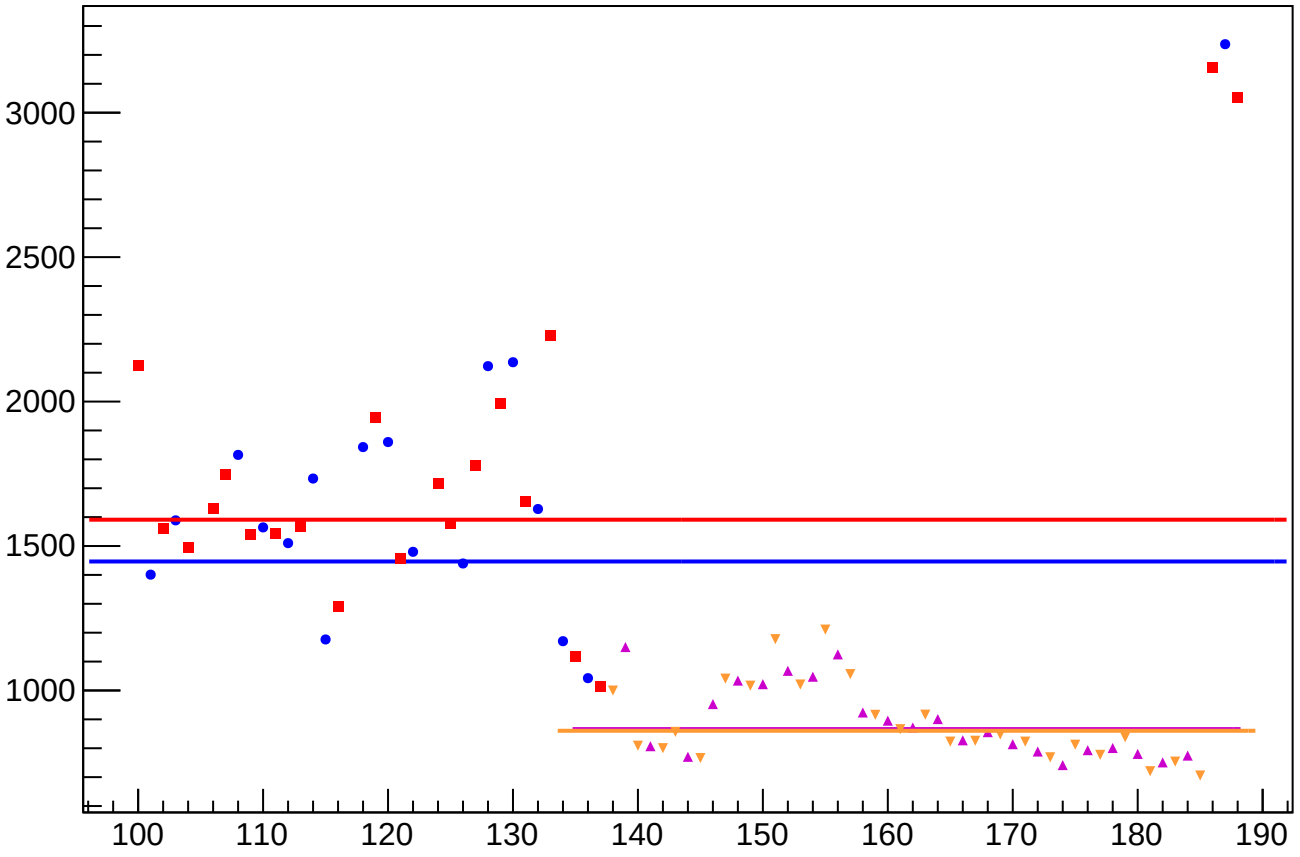
Right Out: -1016.593+/-556.929 χ^2/NDF: 13.3/20

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.115+/-186.149 χ^2/NDF: 79.9/41

All: -508.557+/-133.619 χ^2/NDF: 132.2/85

- sign -173.146+/-191.915 χ^2/NDF: 46.4/43



Right In: 1446.486+/-0.388 χ^2/NDF: 791628.9/16

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1591.121+/-0.394 χ^2/NDF: 1168964.7/20

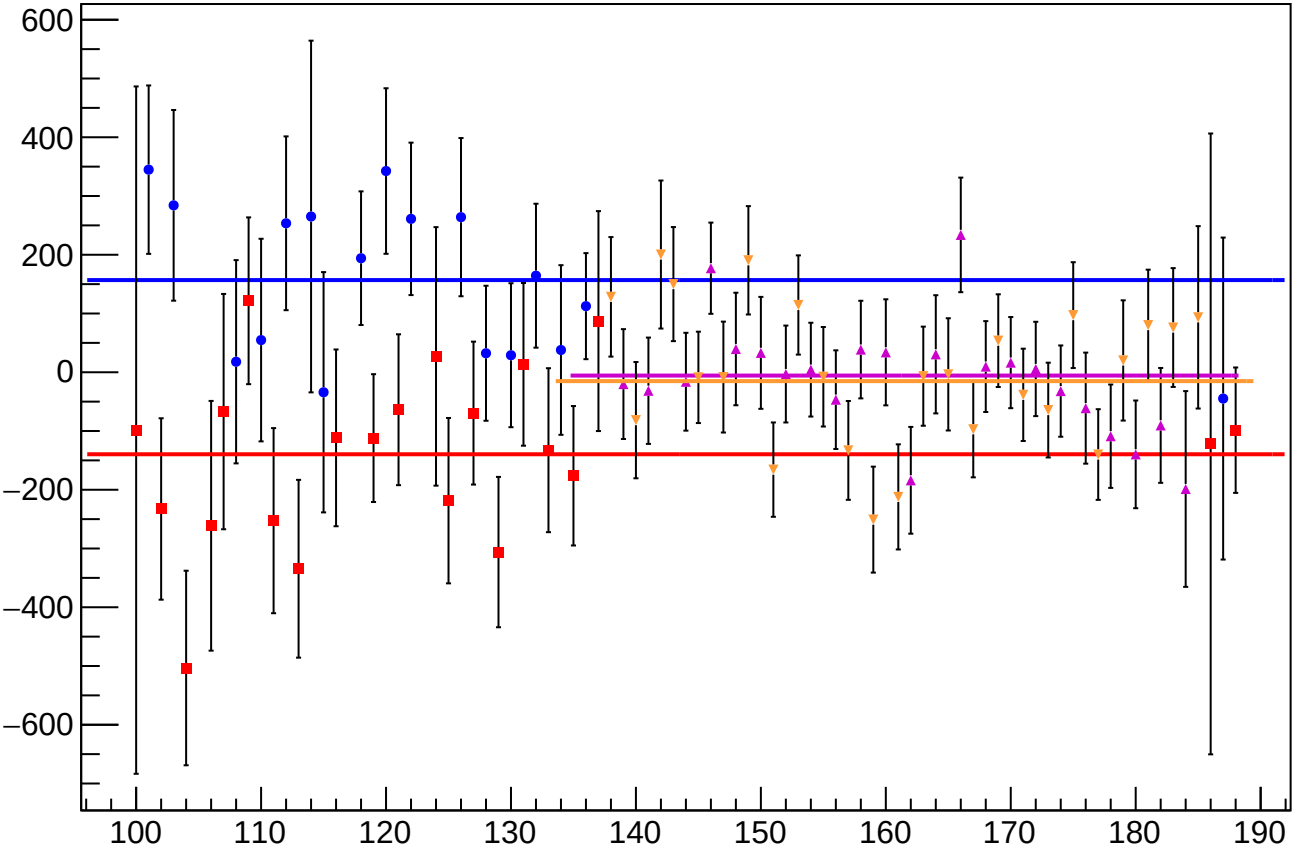
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 927.932+/-0.132 χ^2/NDF: 3509341.7/41

All: 939.801+/-0.094 χ^2/NDF: 8293243.6/85

- sign 952.415+/-0.136 χ^2/NDF: 4767130.8/43

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 156.884+/-33.907 χ^2/NDF: 11.6/16

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -139.578+/-32.520 χ^2/NDF: 17.5/20

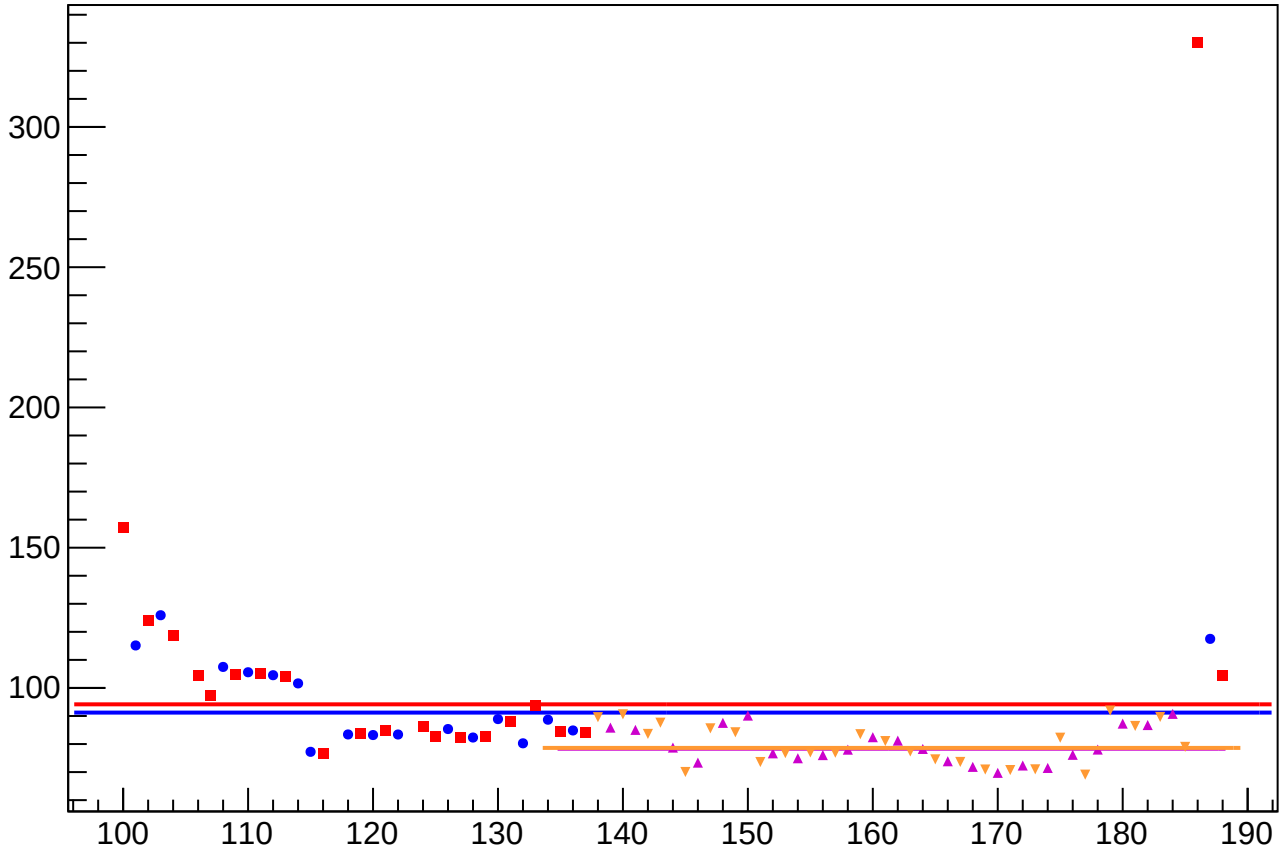
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.572+/-15.869 χ^2/NDF: 73.4/41

All: -7.490+/-11.268 χ^2/NDF: 134.0/85

- sign -38.060+/-16.002 χ^2/NDF: 53.4/43

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 91.211+/-0.024 χ^2/NDF: 291447.7/16

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

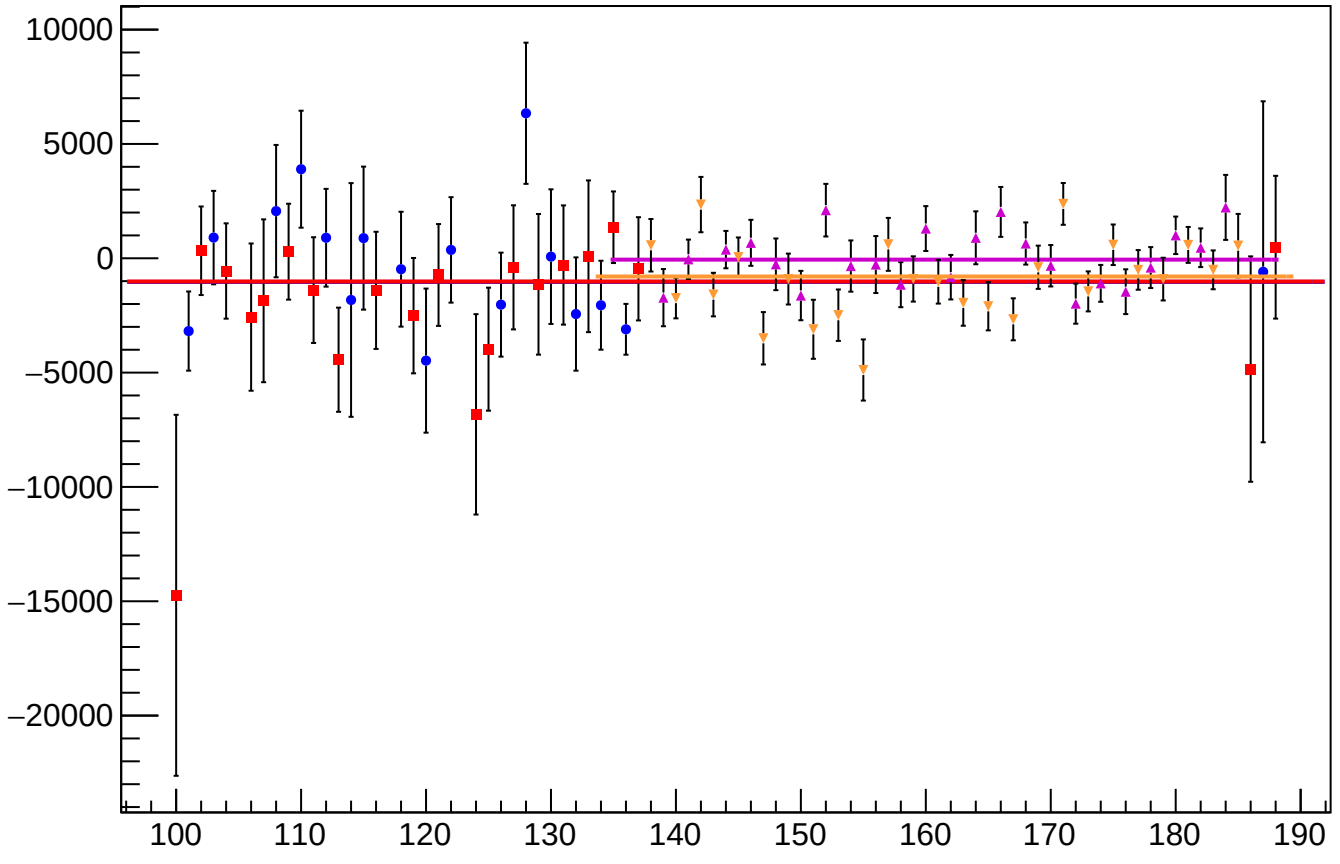
Right Out: 94.156+/-0.023 χ^2/NDF: 725146.3/20

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.376+/-0.011 χ^2/NDF: 814107.0/41

All: 81.768+/-0.008 χ^2/NDF: 2109631.8/85

- sign 82.165+/-0.011 χ^2/NDF: 1293073.7/43



Right In: -1032.608+/-548.717 χ^2/NDF: 20.2/16

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

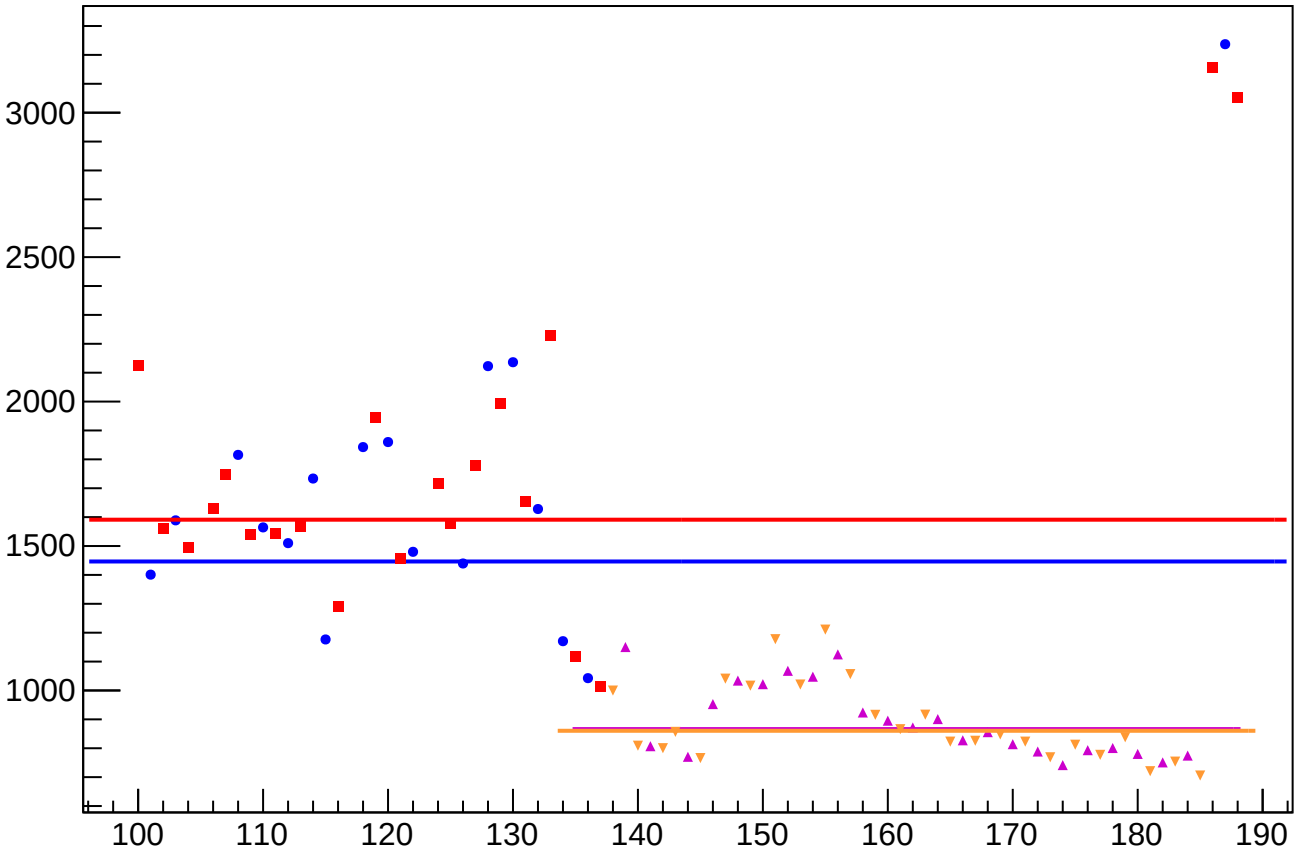
Right Out: -1016.593+/-556.929 χ^2/NDF: 13.3/20

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.115+/-186.149 χ^2/NDF: 79.9/41

All: -508.557+/-133.619 χ^2/NDF: 132.2/85

- sign -173.146+/-191.915 χ^2/NDF: 46.4/43



Right In: 1446.486+/-0.388 χ^2/NDF: 791628.9/16

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1591.121+/-0.394 χ^2/NDF: 1168964.7/20

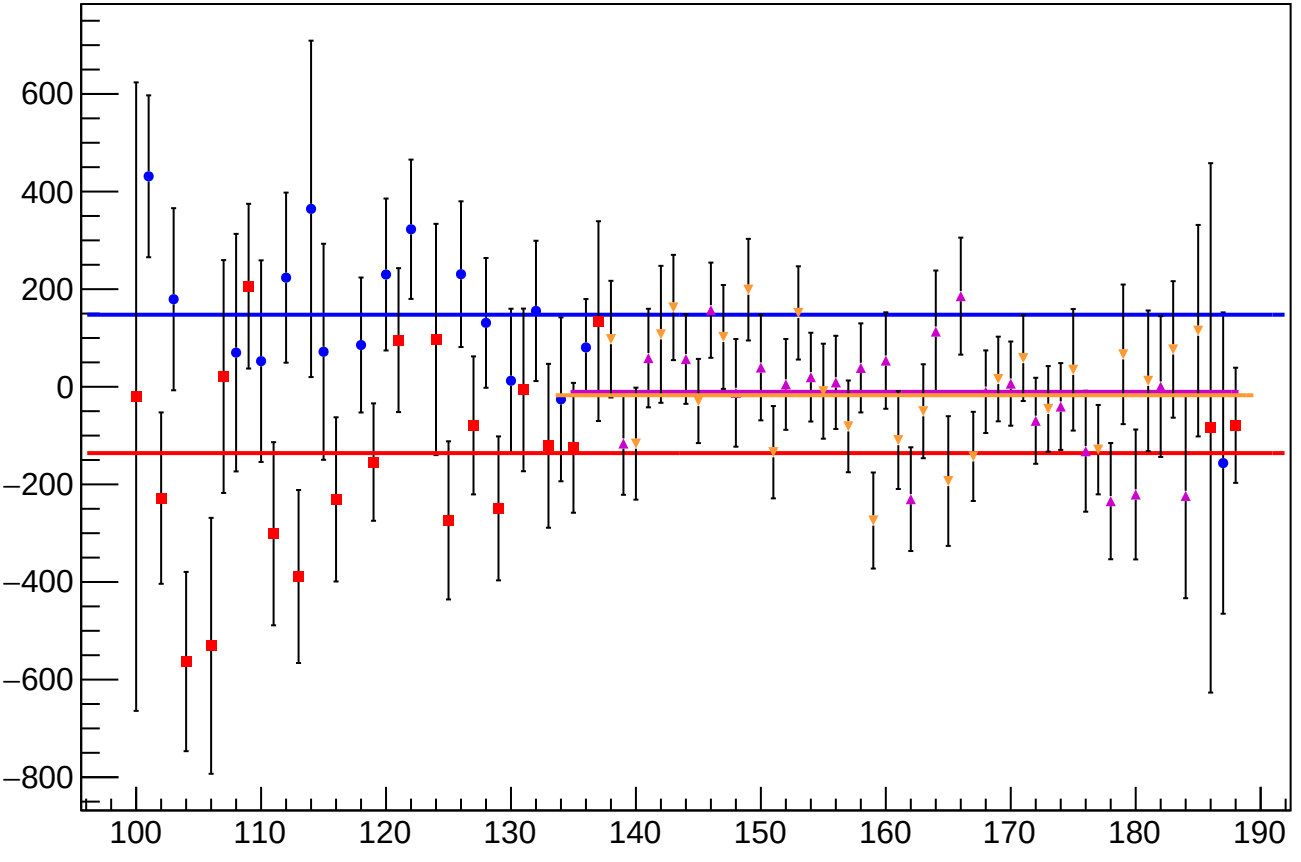
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 927.932+/-0.132 χ^2/NDF: 3509341.7/41

All: 939.801+/-0.094 χ^2/NDF: 8293243.6/85

- sign 952.415+/-0.136 χ^2/NDF: 4767130.8/43

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 147.663+/-39.128 χ^2/NDF: 9.6/16

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -135.885+/-37.231 χ^2/NDF: 23.2/20

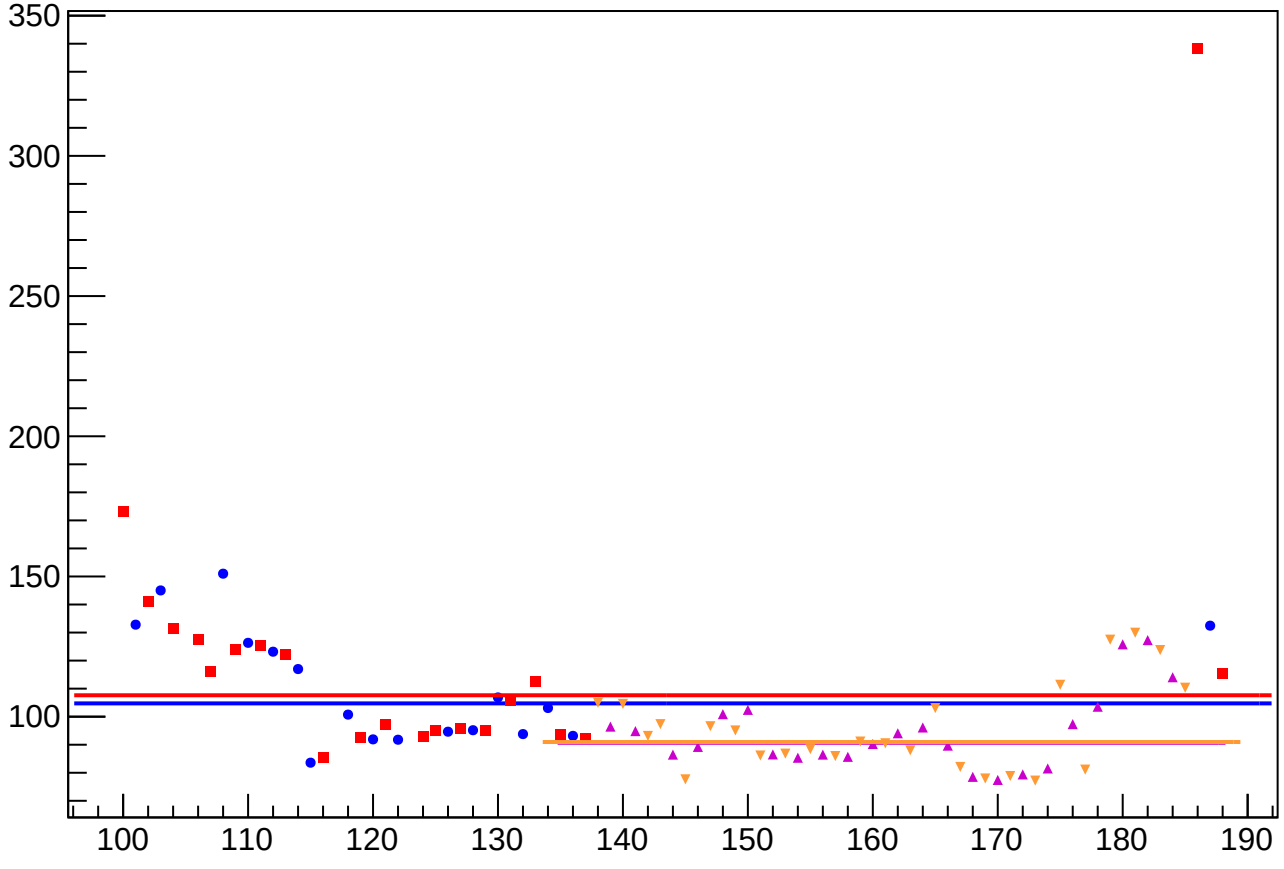
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 19.511+/-18.494 χ^2/NDF: 54.6/41

All: -10.934+/-13.122 χ^2/NDF: 114.4/85

- sign -41.797+/-18.621 χ^2/NDF: 54.3/43

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.739+/-0.028 χ^2/NDF: 394695.9/16

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 107.636+/-0.026 χ^2/NDF: 720039.3/20

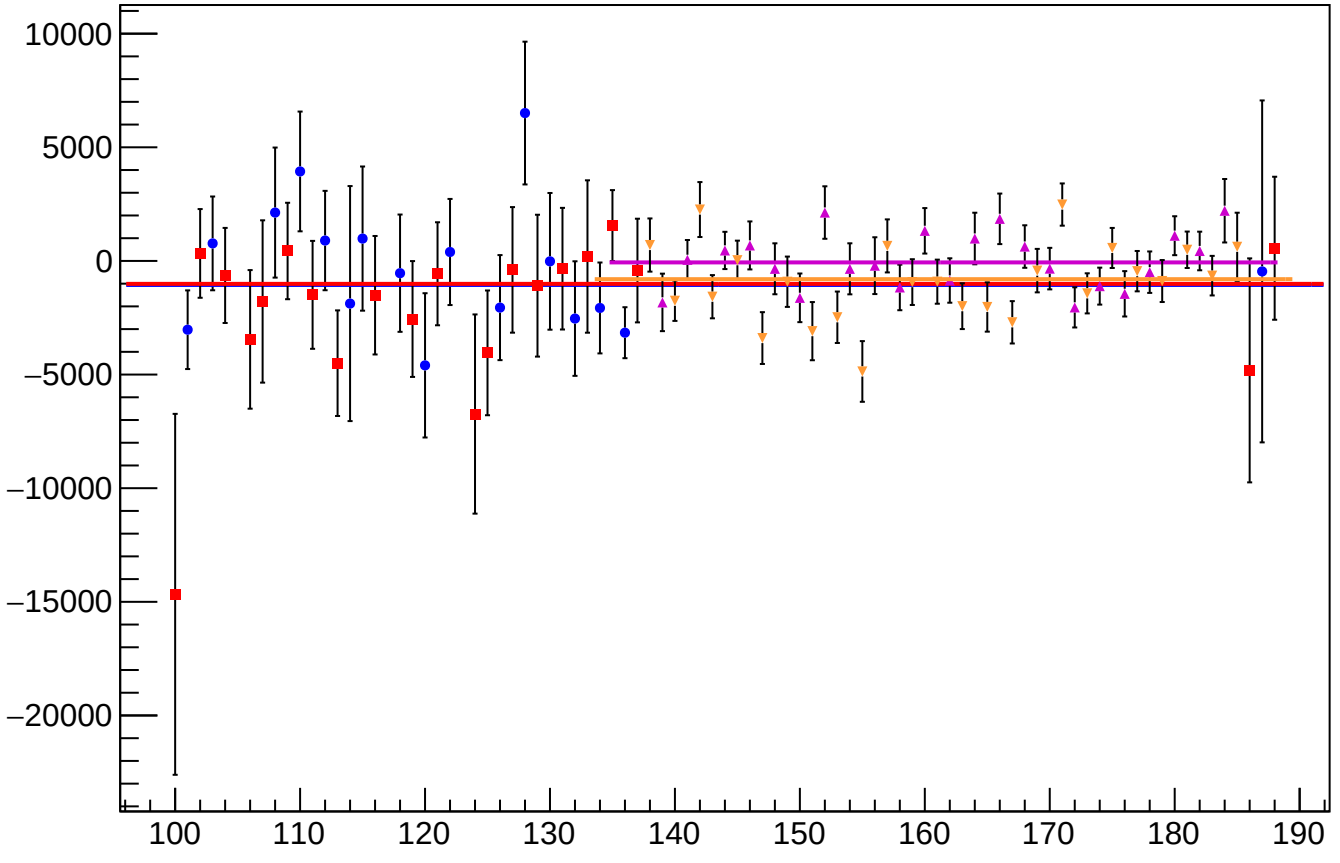
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 94.044+/-0.013 χ^2/NDF: 1371630.2/41

All: 94.483+/-0.009 χ^2/NDF: 2950599.4/85

- sign 94.929+/-0.013 χ^2/NDF: 1576694.0/43

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1056.088+/-556.119 χ^2/NDF: 20.0/16

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1009.367+/-562.035 χ^2/NDF: 14.1/20

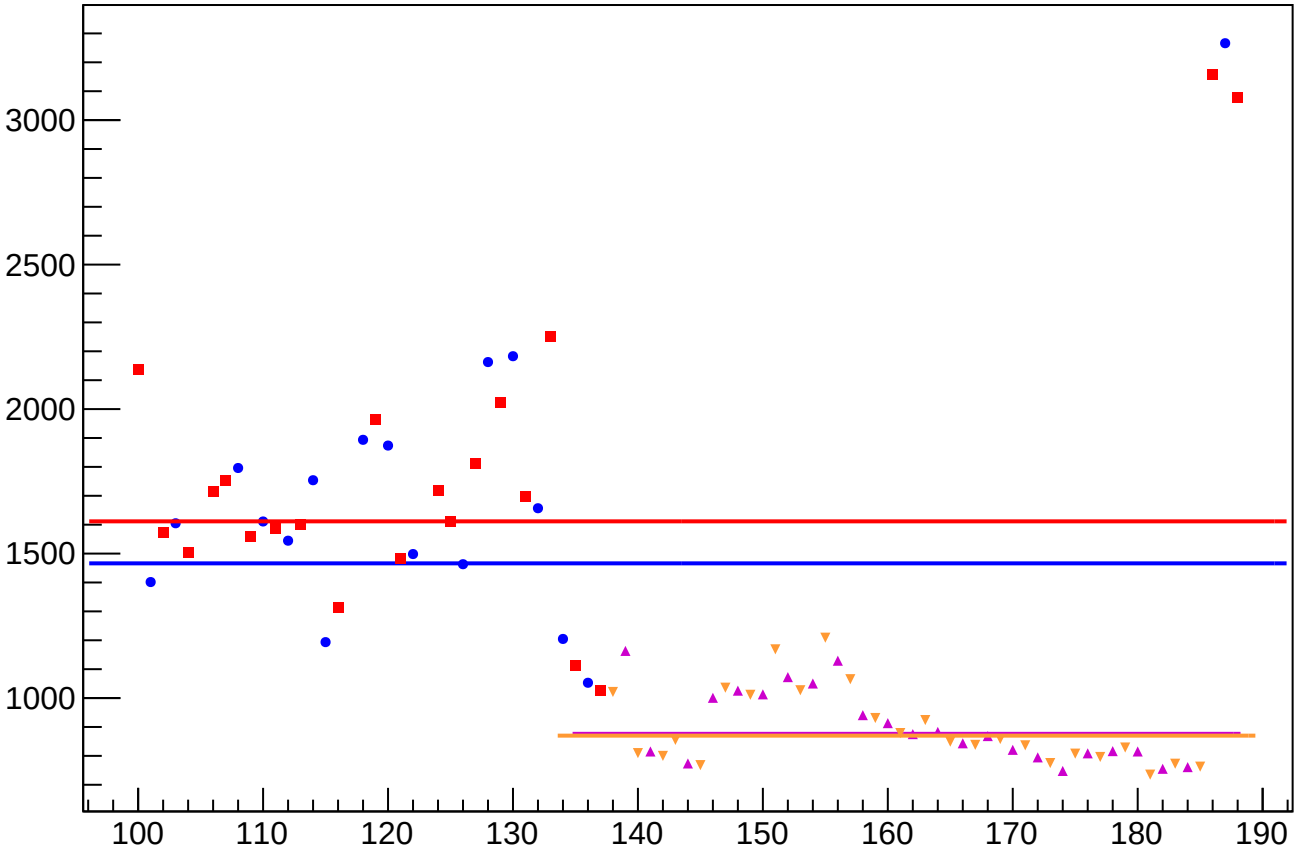
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -831.532+/-188.075 χ^2/NDF: 78.5/41

All: -514.707+/-135.028 χ^2/NDF: 131.7/85

- sign -177.683+/-193.978 χ^2/NDF: 47.3/43

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1466.193+/-0.393 χ^2/NDF: 799924.8/16

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1611.558+/-0.397 χ^2/NDF: 1180024.4/20

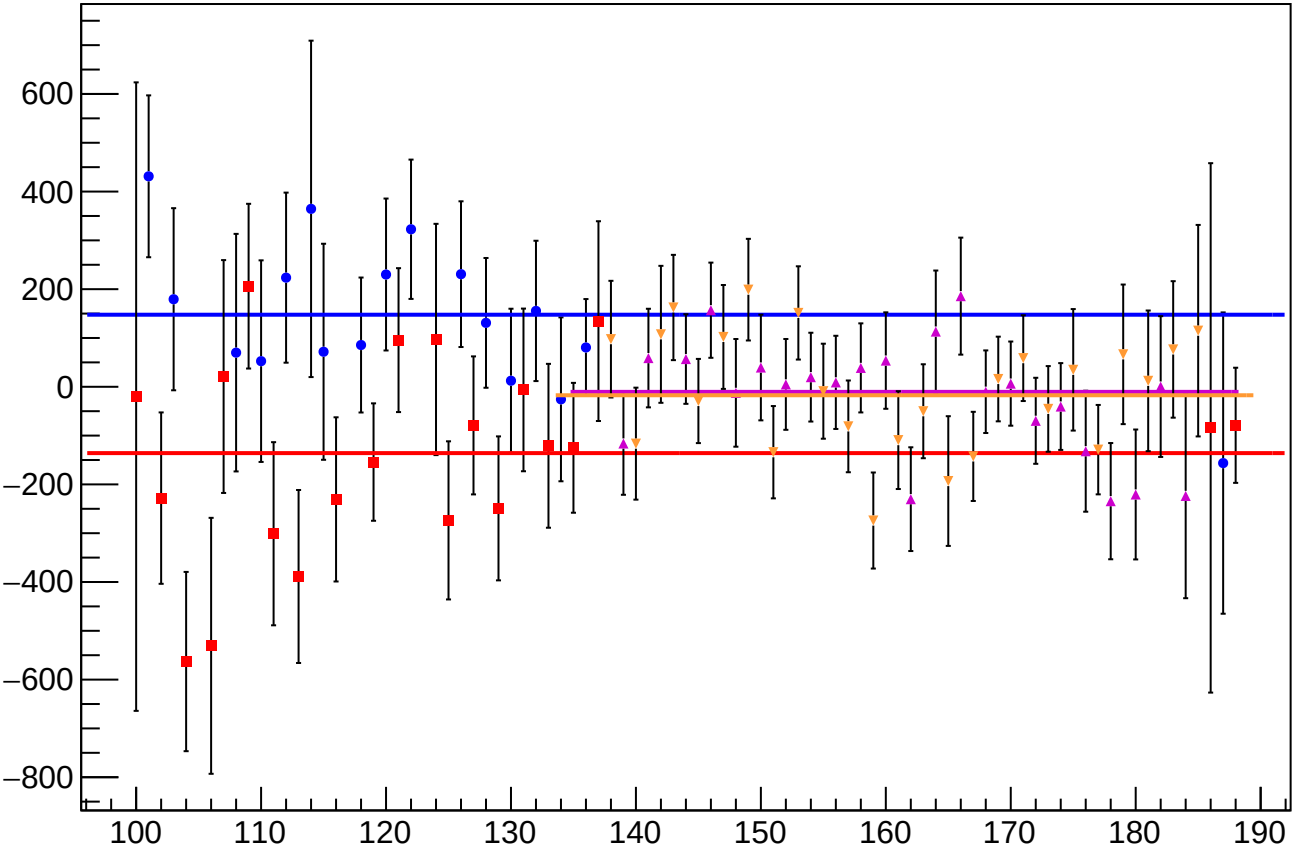
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 938.197+/-0.133 χ^2/NDF: 3482863.8/41

All: 950.631+/-0.095 χ^2/NDF: 8293442.9/85

- sign 963.858+/-0.137 χ^2/NDF: 4792537.1/43

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 147.664+/-39.128 χ^2/NDF: 9.6/16

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -135.884+/-37.231 χ^2/NDF: 23.2/20

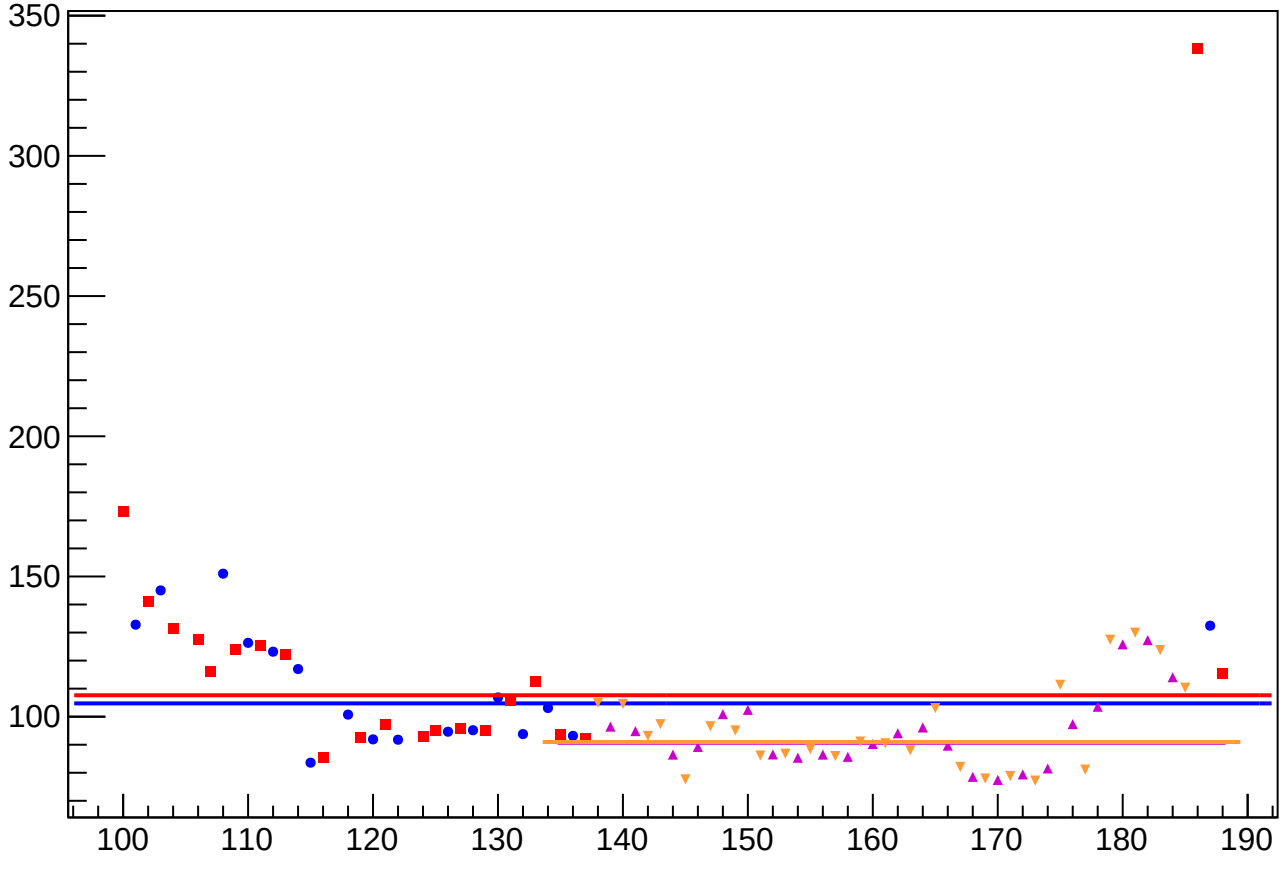
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 19.511+/-18.494 χ^2/NDF: 54.6/41

All: -10.934+/-13.122 χ^2/NDF: 114.4/85

- sign -41.797+/-18.621 χ^2/NDF: 54.3/43

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.738+/-0.028 χ^2/NDF: 394697.6/16

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

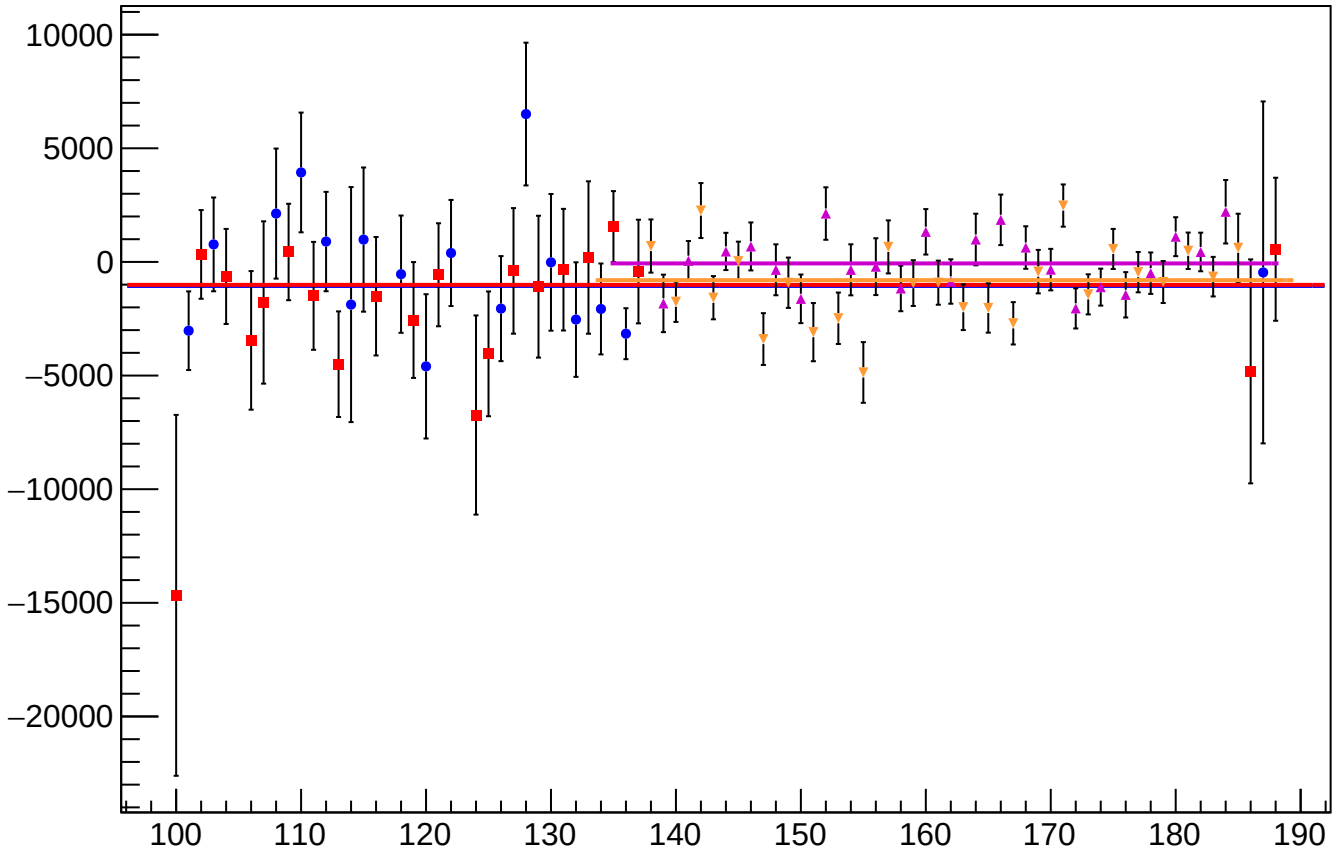
Right Out: 107.635+/-0.026 χ^2/NDF: 720042.4/20

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 94.043+/-0.013 χ^2/NDF: 1371610.0/41

All: 94.483+/-0.009 χ^2/NDF: 2950552.1/85

- sign 94.929+/-0.013 χ^2/NDF: 1576667.2/43



Right In: -1056.084+/-556.118 χ^2/NDF: 20.0/16

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

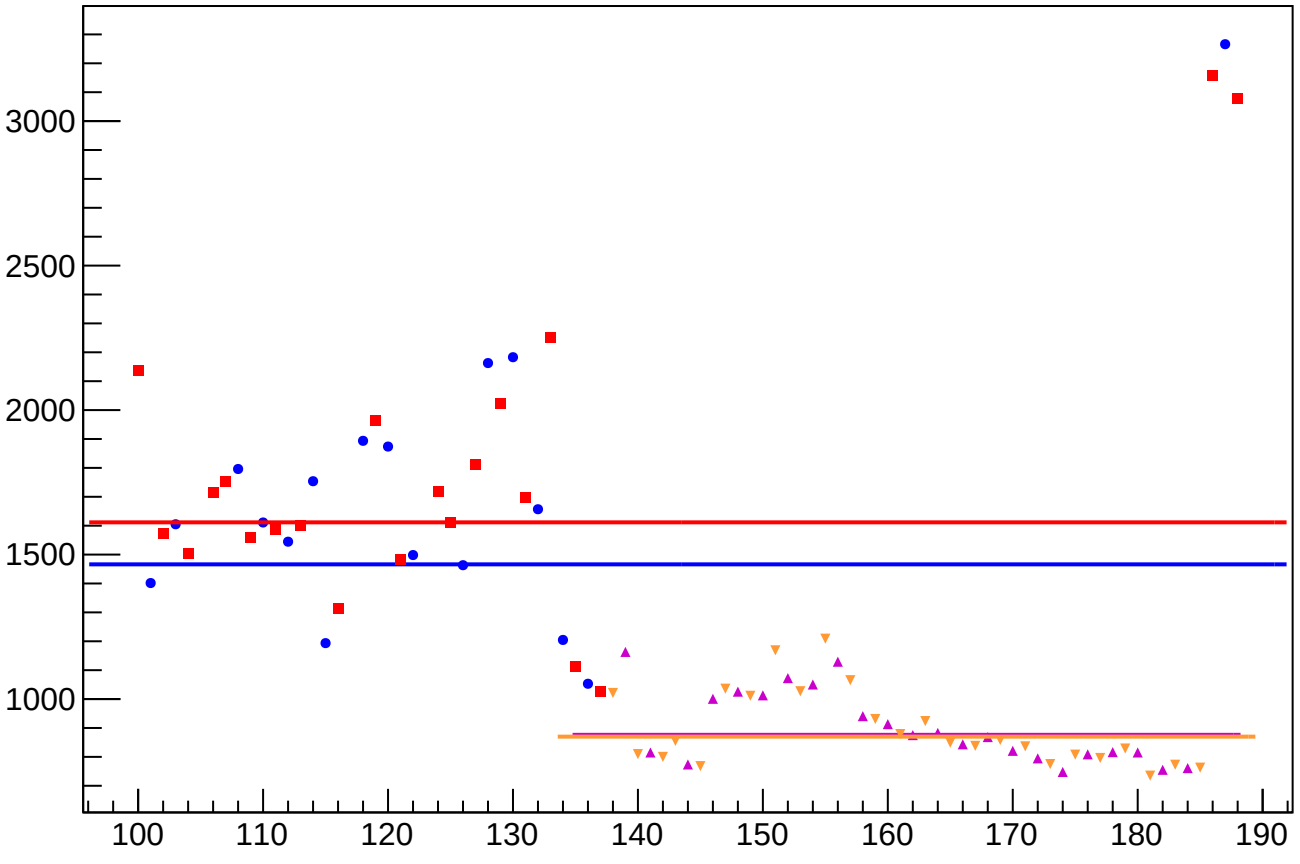
Right Out: -1009.367+/-562.034 χ^2/NDF: 14.1/20

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -831.531+/-188.075 χ^2/NDF: 78.5/41

All: -514.706+/-135.028 χ^2/NDF: 131.7/85

- sign -177.683+/-193.977 χ^2/NDF: 47.3/43



Right In: 1466.191+/-0.393 χ^2/NDF: 799921.8/16

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1611.555+/-0.397 χ^2/NDF: 1180025.9/20

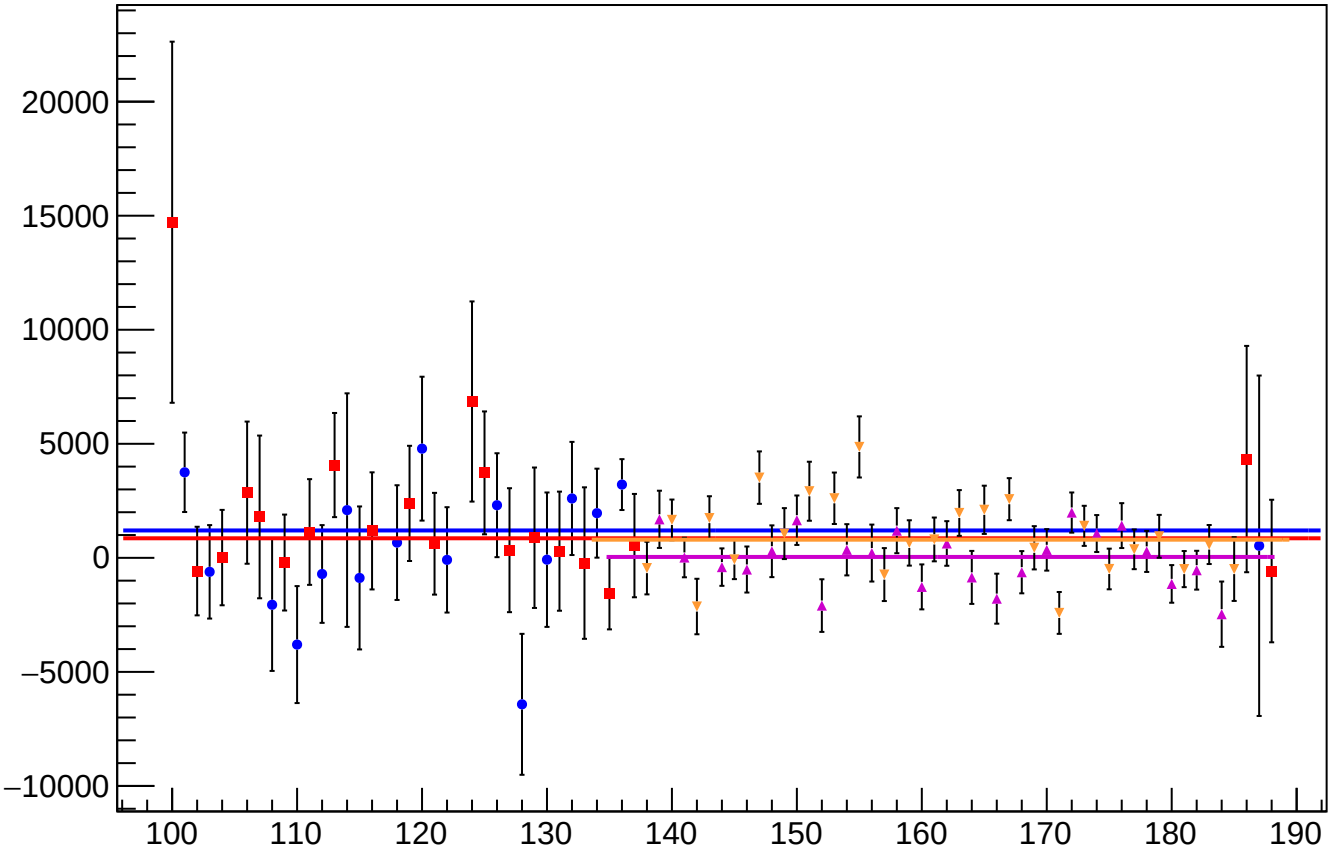
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 938.196+/-0.133 χ^2/NDF: 3482856.9/41

All: 950.630+/-0.095 χ^2/NDF: 8293429.8/85

- sign 963.858+/-0.137 χ^2/NDF: 4792531.1/43

asym_sam_24_68_dd_mean vs Slug



Right In: 1201.023+/-550.227 χ^2/NDF: 21.2/16

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 857.360+/-557.564 χ^2/NDF: 13.2/20

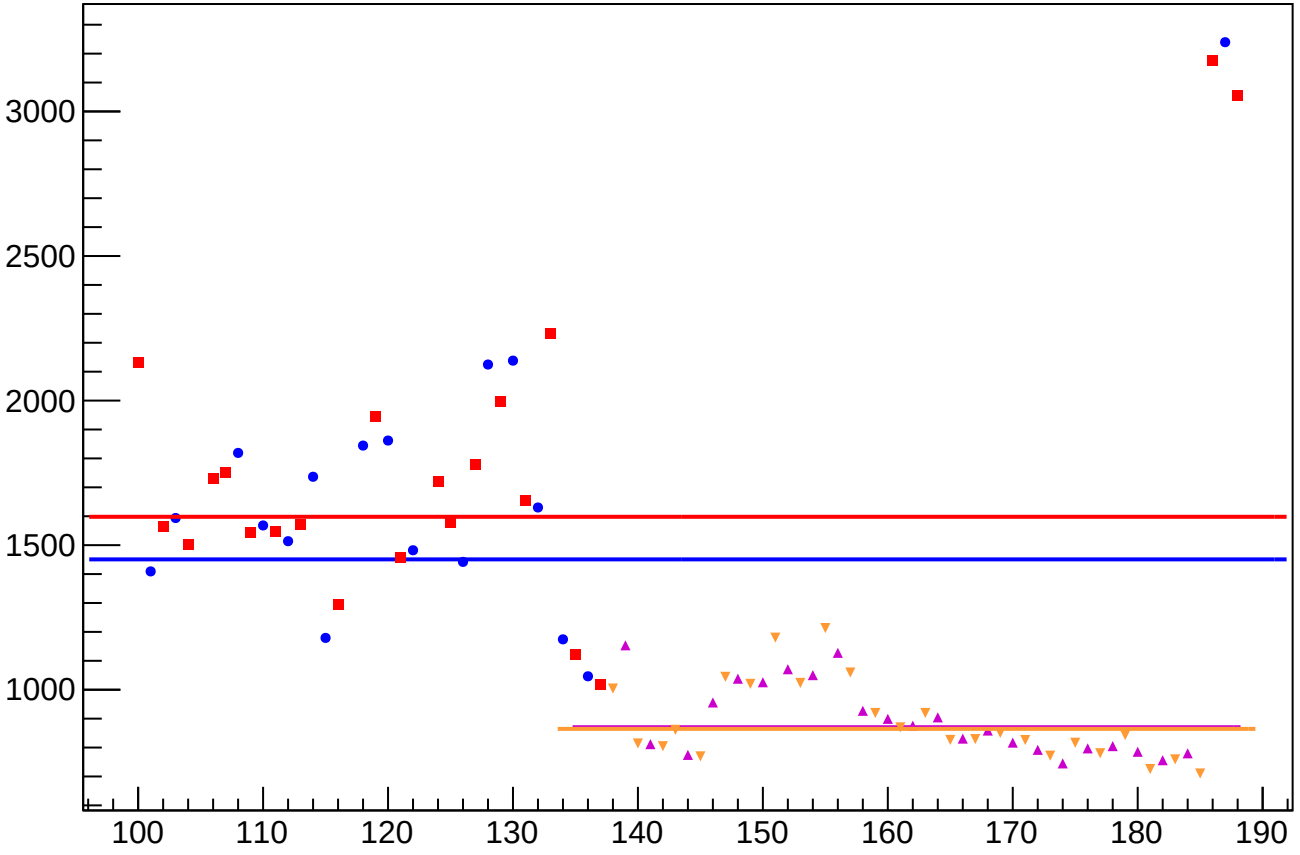
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

\+ sign 843.022+/-186.972 χ^2/NDF: 78.8/41

All: 500.848+/-134.187 χ^2/NDF: 130.5/85

\- sign 137.403+/-192.696 χ^2/NDF: 44.8/43

asym_sam_24_68_dd_rms vs Slug



Right In: 1450.802+/-0.389 χ^2/NDF: 786209.1/16

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

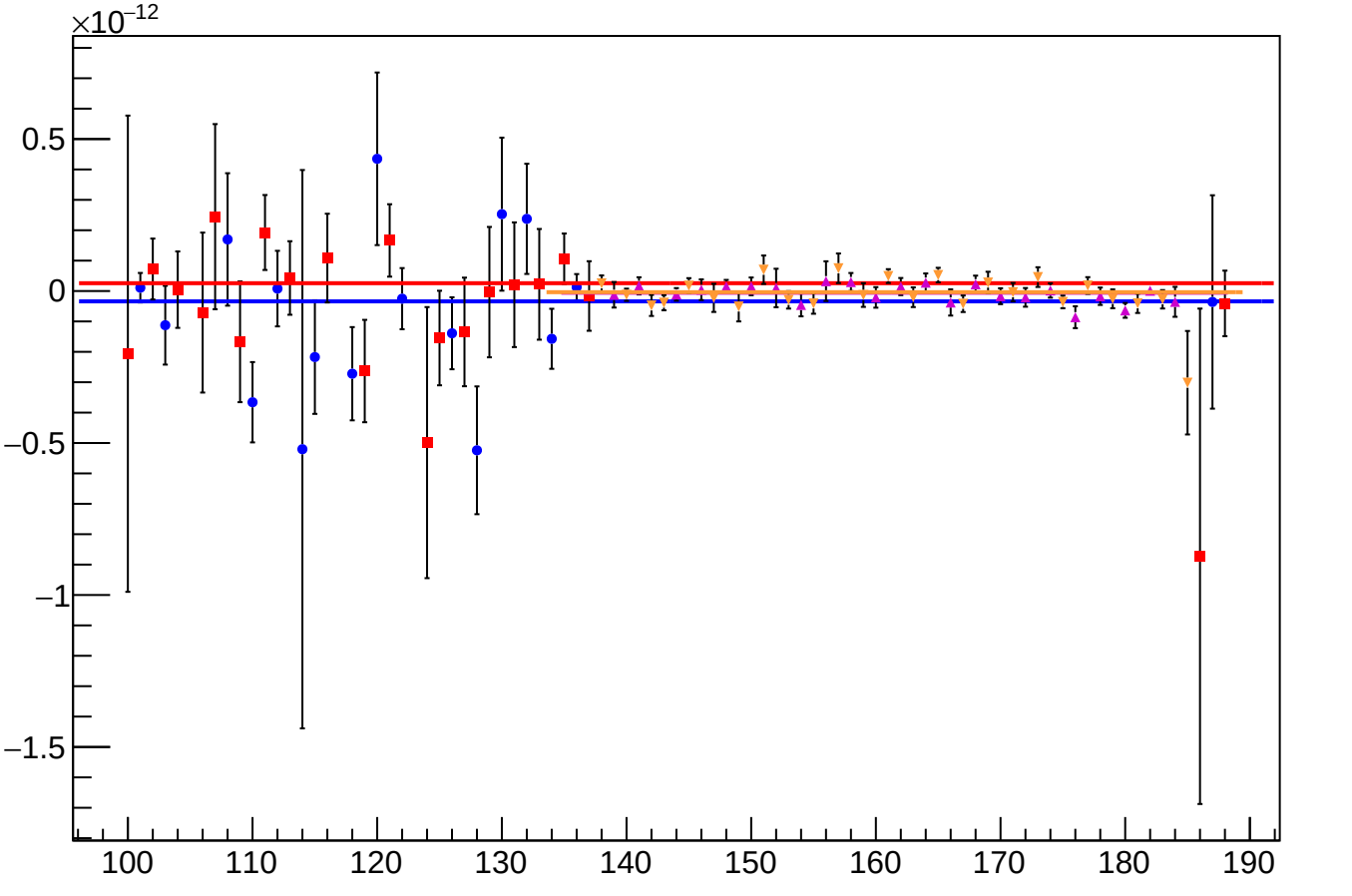
Right Out: 1598.105+/-0.394 χ^2/NDF: 1169356.9/20

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

\+ sign 932.321+/-0.132 χ^2/NDF: 3482859.3/41

All: 944.420+/-0.095 χ^2/NDF: 8274374.7/85

\- sign 957.271+/-0.136 χ^2/NDF: 4774245.9/43



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

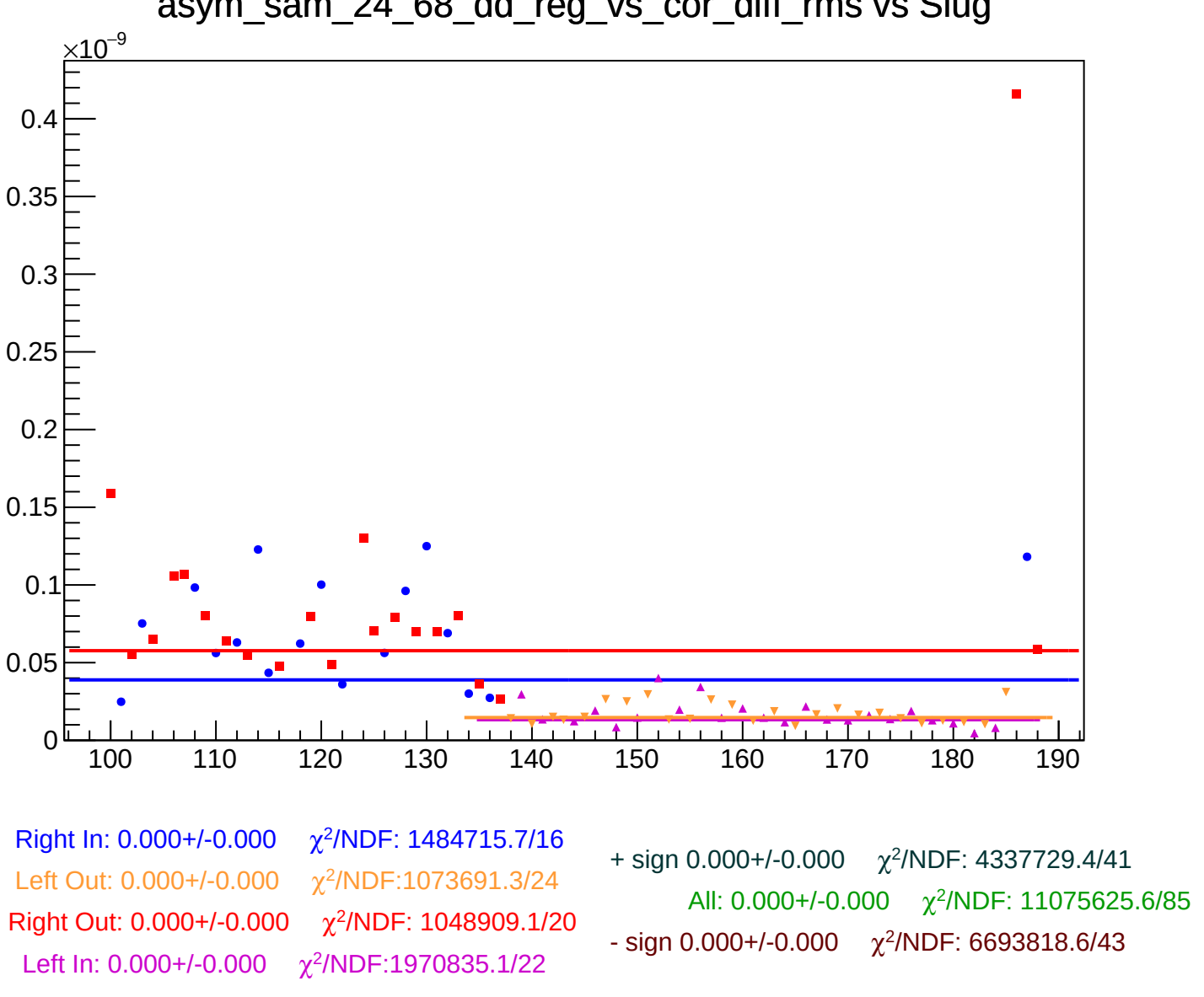
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/20

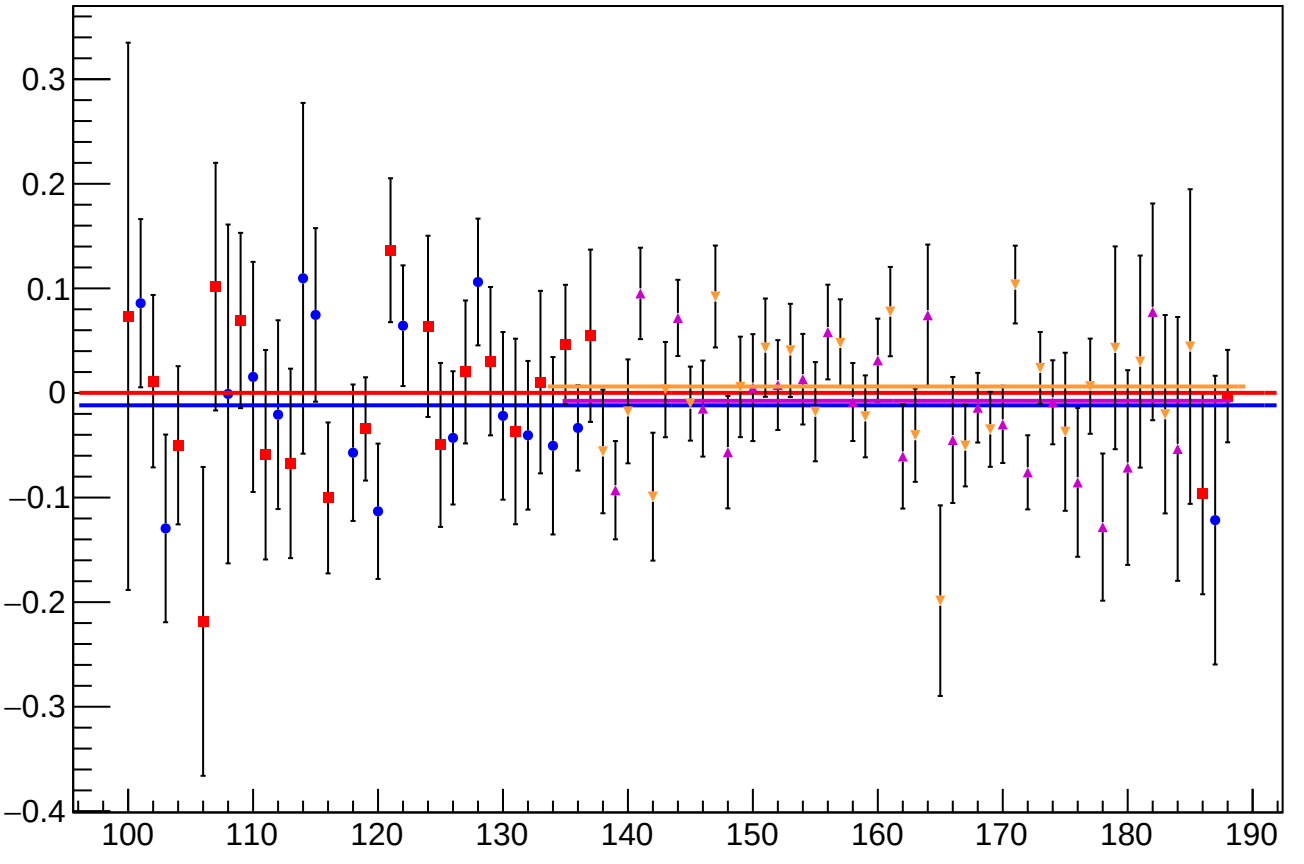
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.5/41

All: -0.000+/-0.000 χ^2/NDF: 103.7/85

- sign -0.000+/-0.000 χ^2/NDF: 36.2/43


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1484715.7/16
Left Out: 0.000+/-0.000 χ²/NDF:1073691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 1048909.1/20
Left In: 0.000+/-0.000 χ²/NDF:1970835.1/22
+ sign 0.000+/-0.000 χ²/NDF: 4337729.4/41
All: 0.000+/-0.000 χ²/NDF: 11075625.6/85
- sign 0.000+/-0.000 χ²/NDF: 6693818.6/43



Right In: -0.012+/-0.018 χ^2/NDF: 14.9/16

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.000+/-0.016 χ^2/NDF: 14.9/20

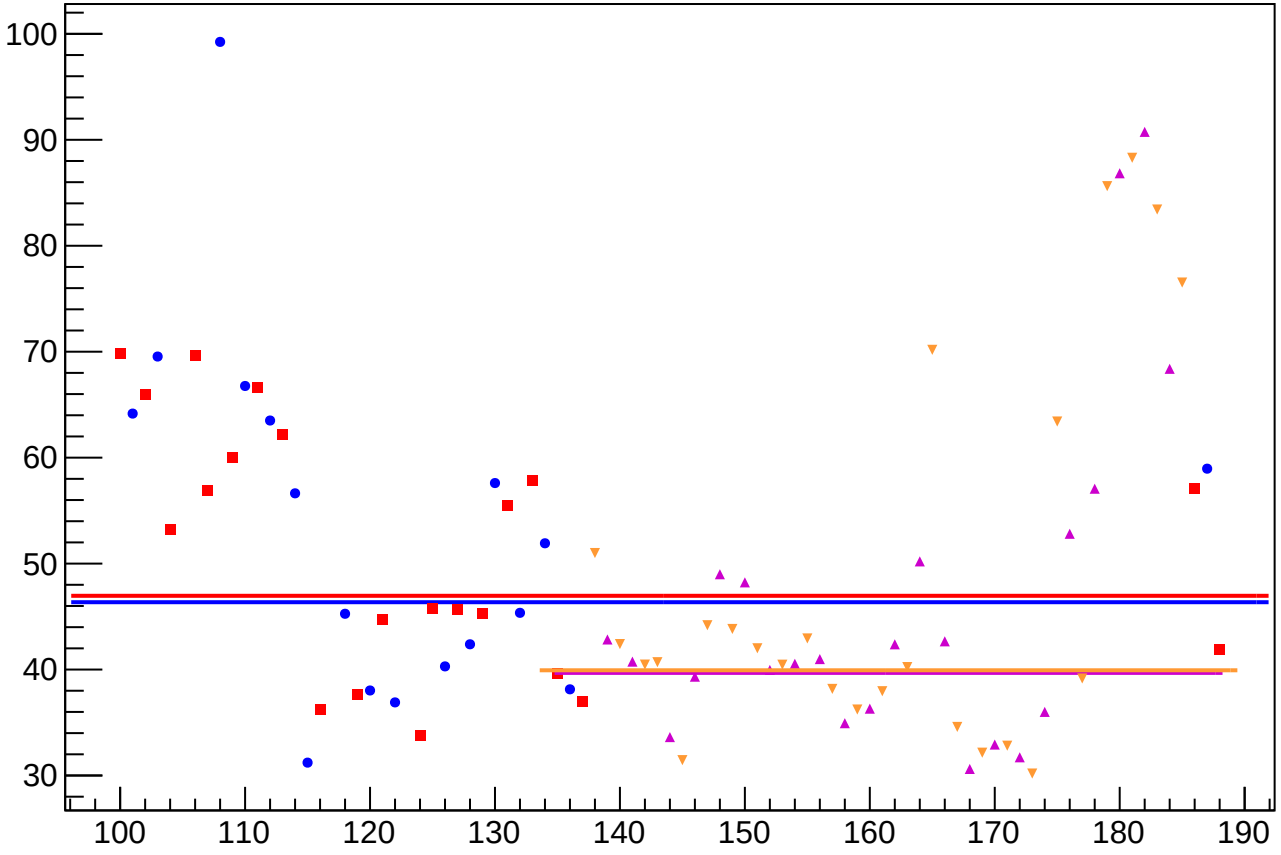
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.5/41

All: -0.002+/-0.006 χ^2/NDF: 92.4/85

- sign -0.006+/-0.008 χ^2/NDF: 45.5/43

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 46.356+/-0.013 χ^2/NDF: 920238.3/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

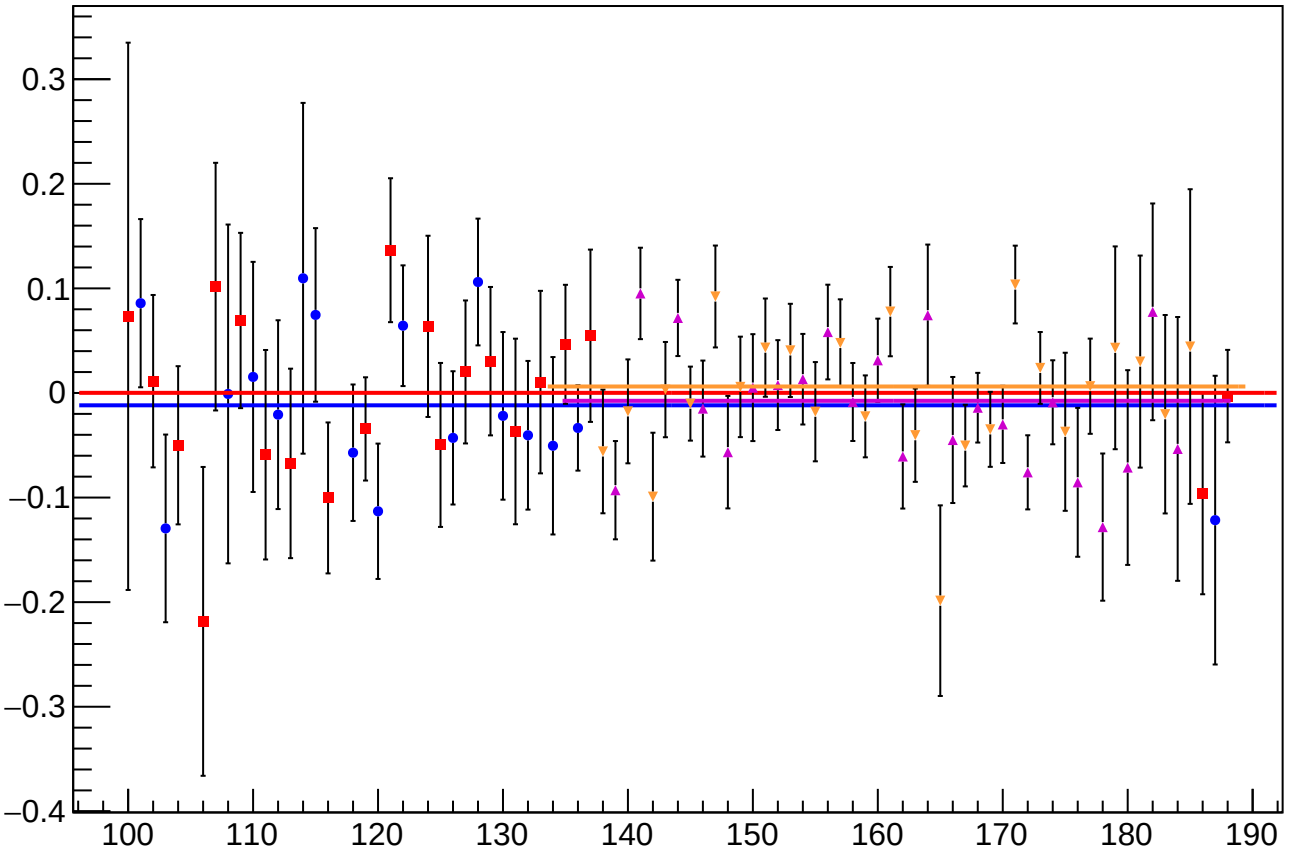
Right Out: 46.961+/-0.012 χ^2/NDF: 703997.5/20

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.366+/-0.006 χ^2/NDF: 3597138.9/41

All: 41.471+/-0.004 χ^2/NDF: 6505517.2/85

- sign 41.576+/-0.006 χ^2/NDF: 2907756.7/43



Right In: -0.012+/-0.018 χ^2/NDF: 14.9/16

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

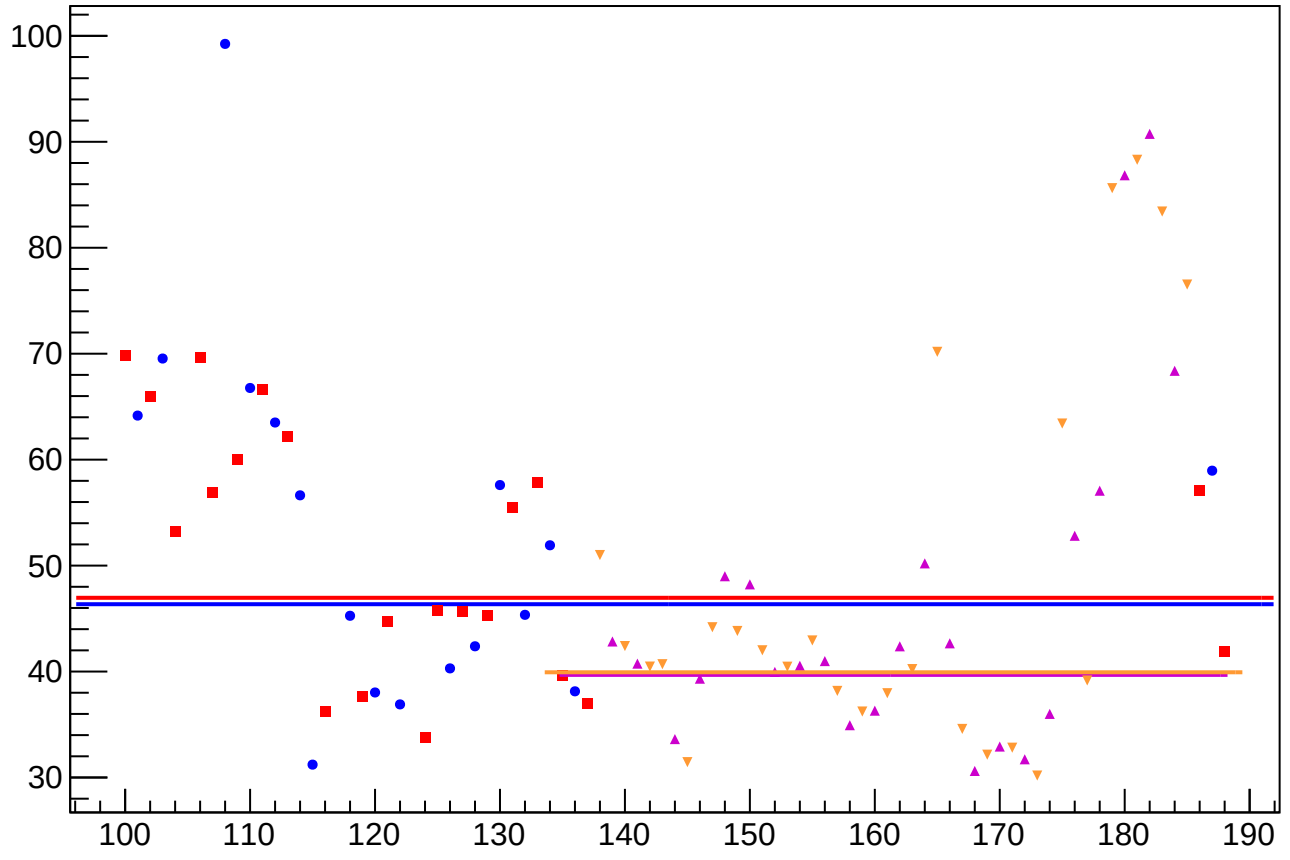
Right Out: 0.000+/-0.016 χ^2/NDF: 14.9/20

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.5/41

All: -0.002+/-0.006 χ^2/NDF: 92.4/85

- sign -0.006+/-0.008 χ^2/NDF: 45.5/43



Right In: 46.356+/-0.013 χ^2/NDF: 920238.3/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

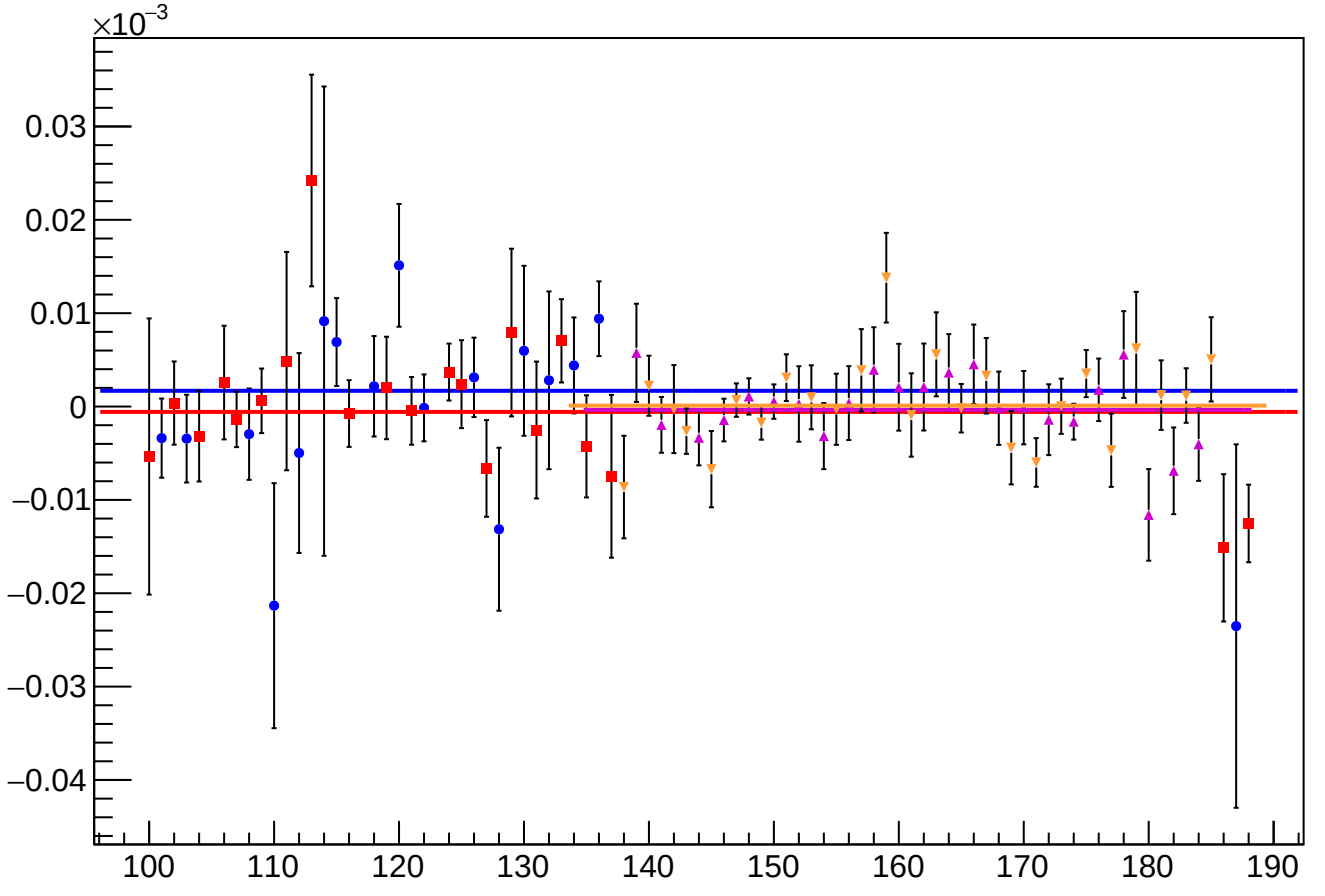
Right Out: 46.961+/-0.012 χ^2/NDF: 703997.5/20

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.366+/-0.006 χ^2/NDF: 3597138.9/41

All: 41.471+/-0.004 χ^2/NDF: 6505517.2/85

- sign 41.576+/-0.006 χ^2/NDF: 2907756.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

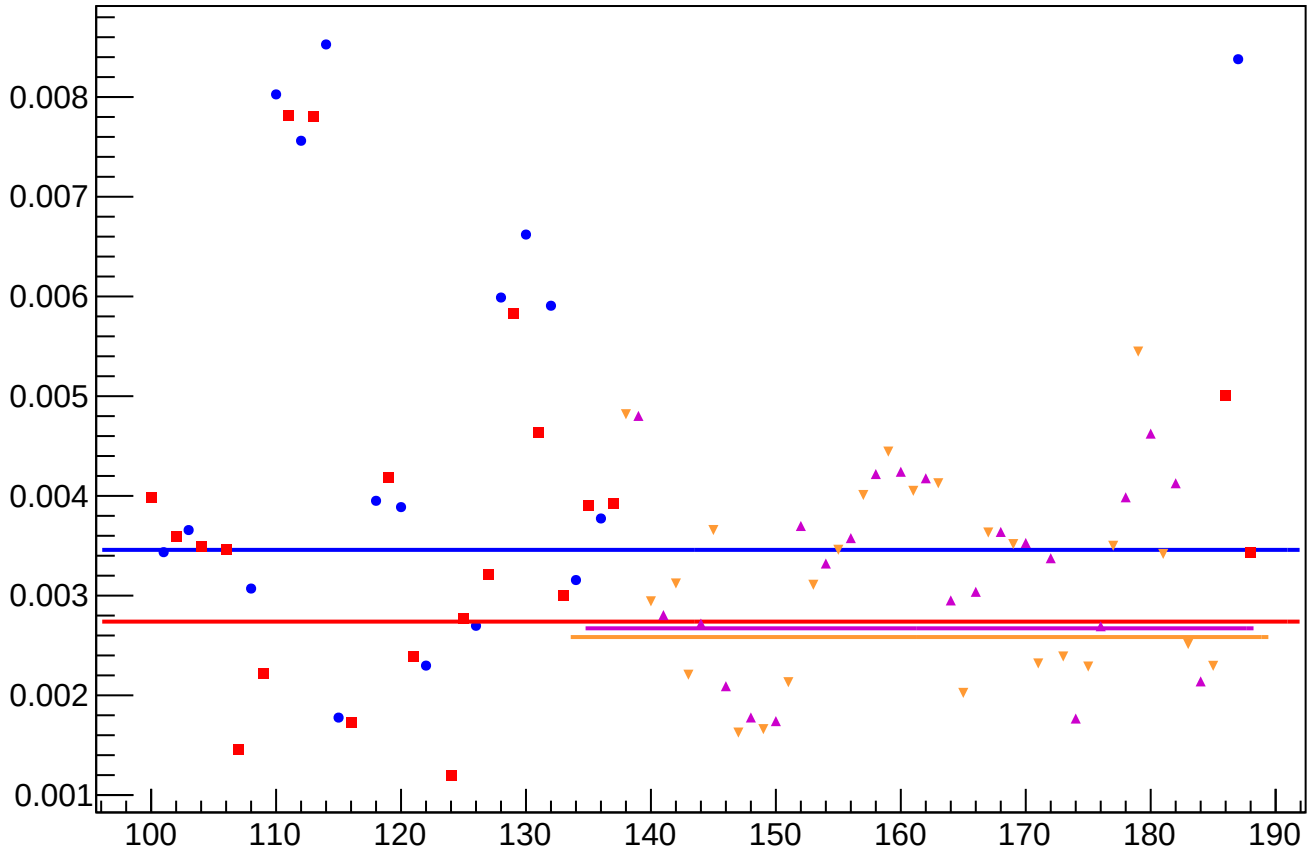
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/20

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/41

All: -0.000+/-0.000 χ^2/NDF: 102.2/85

- sign -0.000+/-0.000 χ^2/NDF: 45.2/43



Right In: 0.003+/-0.000 χ^2/NDF: 1877007.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

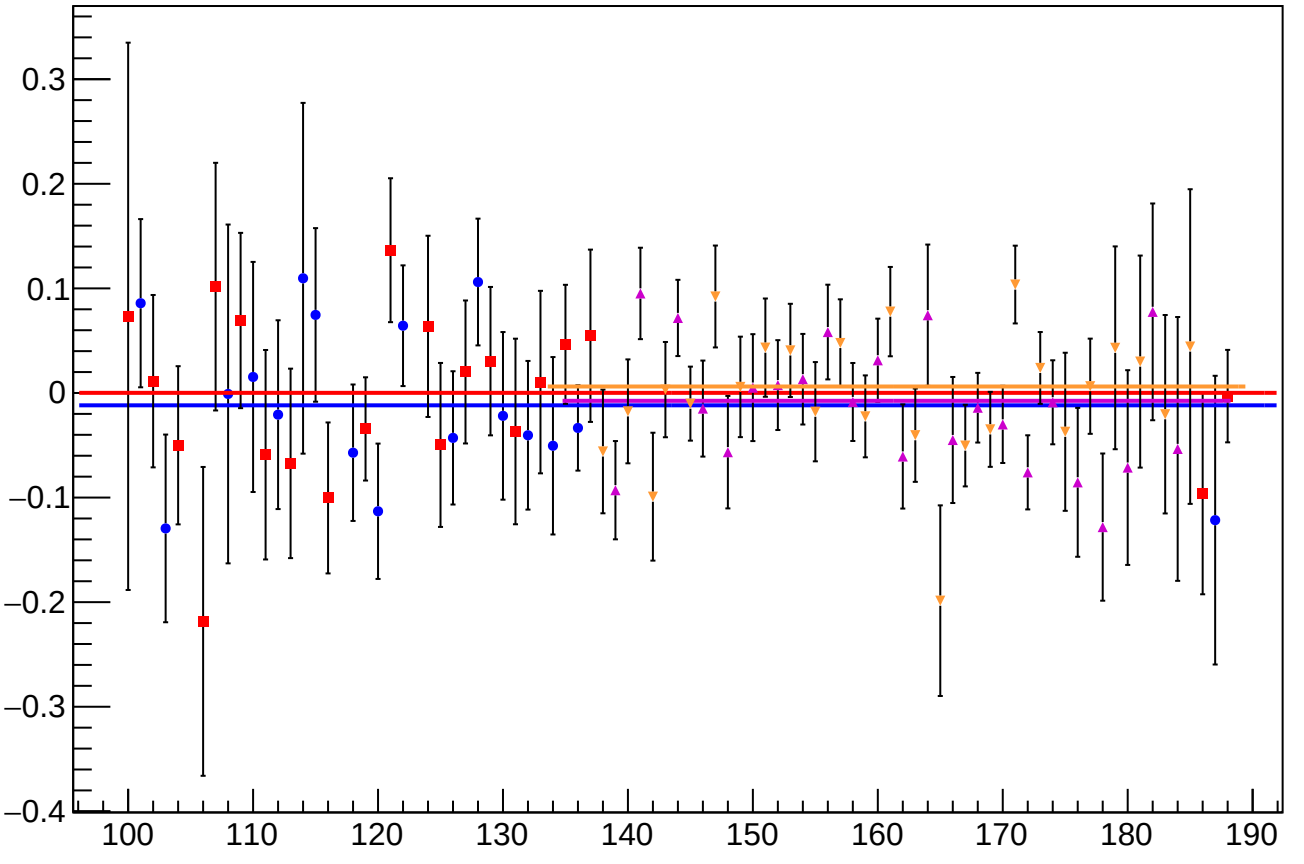
Right Out: 0.003+/-0.000 χ^2/NDF: 2932824.1/20

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 6444258.4/41

All: 0.003+/-0.000 χ^2/NDF: 13214720.3/85

- sign 0.003+/-0.000 χ^2/NDF: 6764360.9/43



Right In: -0.012+/-0.018 χ^2/NDF: 14.9/16

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

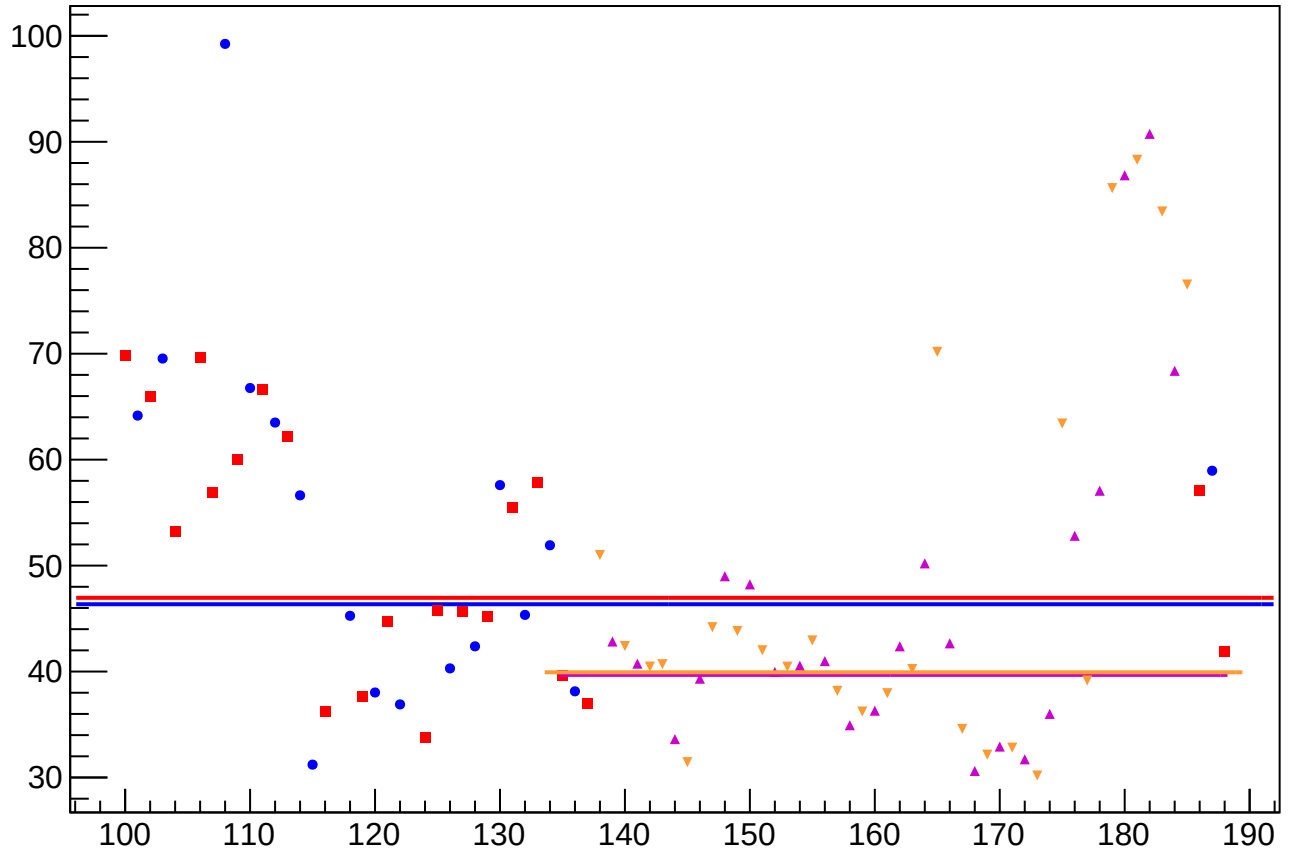
Right Out: 0.000+/-0.016 χ^2/NDF: 14.9/20

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.5/41

All: -0.002+/-0.006 χ^2/NDF: 92.4/85

- sign -0.006+/-0.008 χ^2/NDF: 45.5/43



Right In: 46.354+/-0.013 χ^2/NDF: 920204.7/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

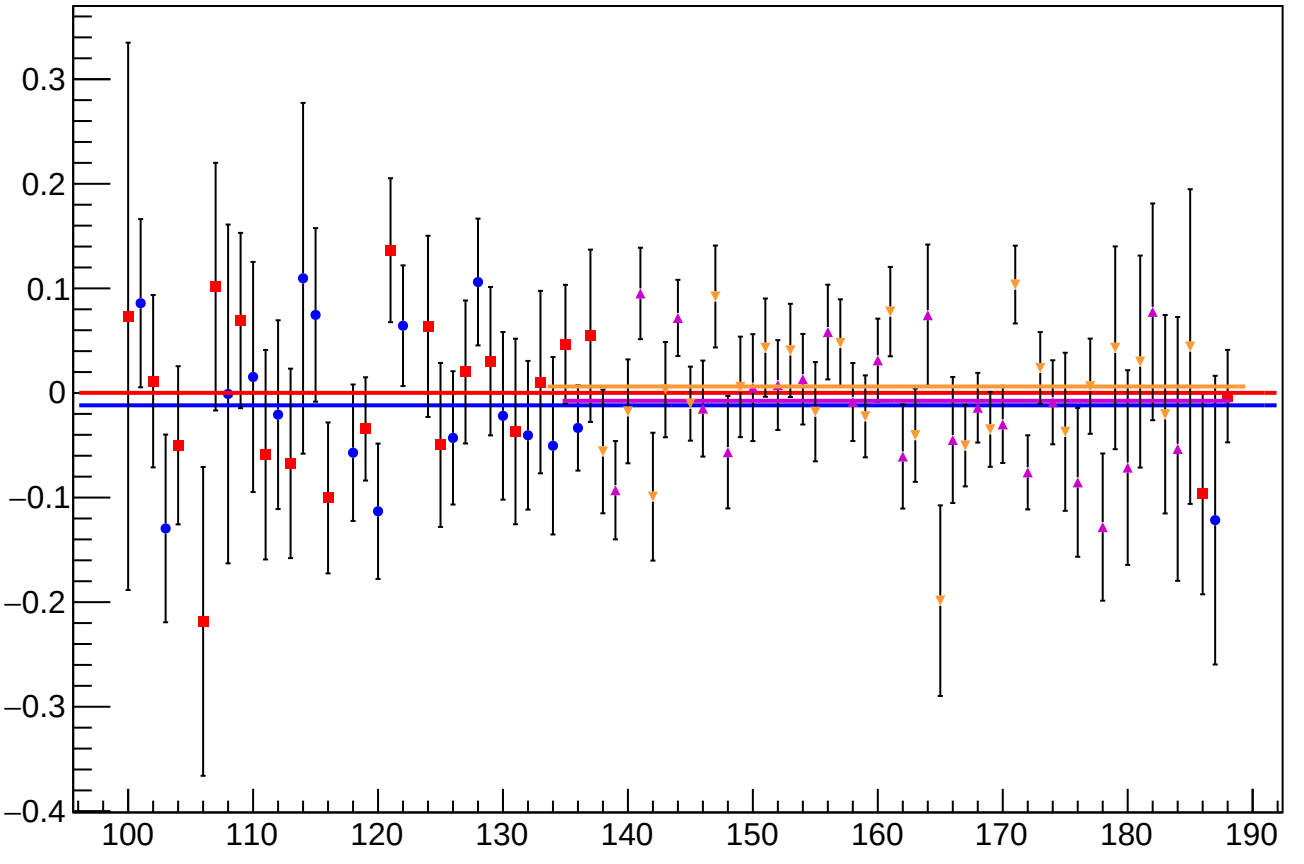
Right Out: 46.960+/-0.012 χ^2/NDF: 703974.2/20

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.366+/-0.006 χ^2/NDF: 3597051.8/41

All: 41.471+/-0.004 χ^2/NDF: 6505394.6/85

- sign 41.576+/-0.006 χ^2/NDF: 2907721.9/43



Right In: -0.012+/-0.018 χ^2/NDF: 14.9/16

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

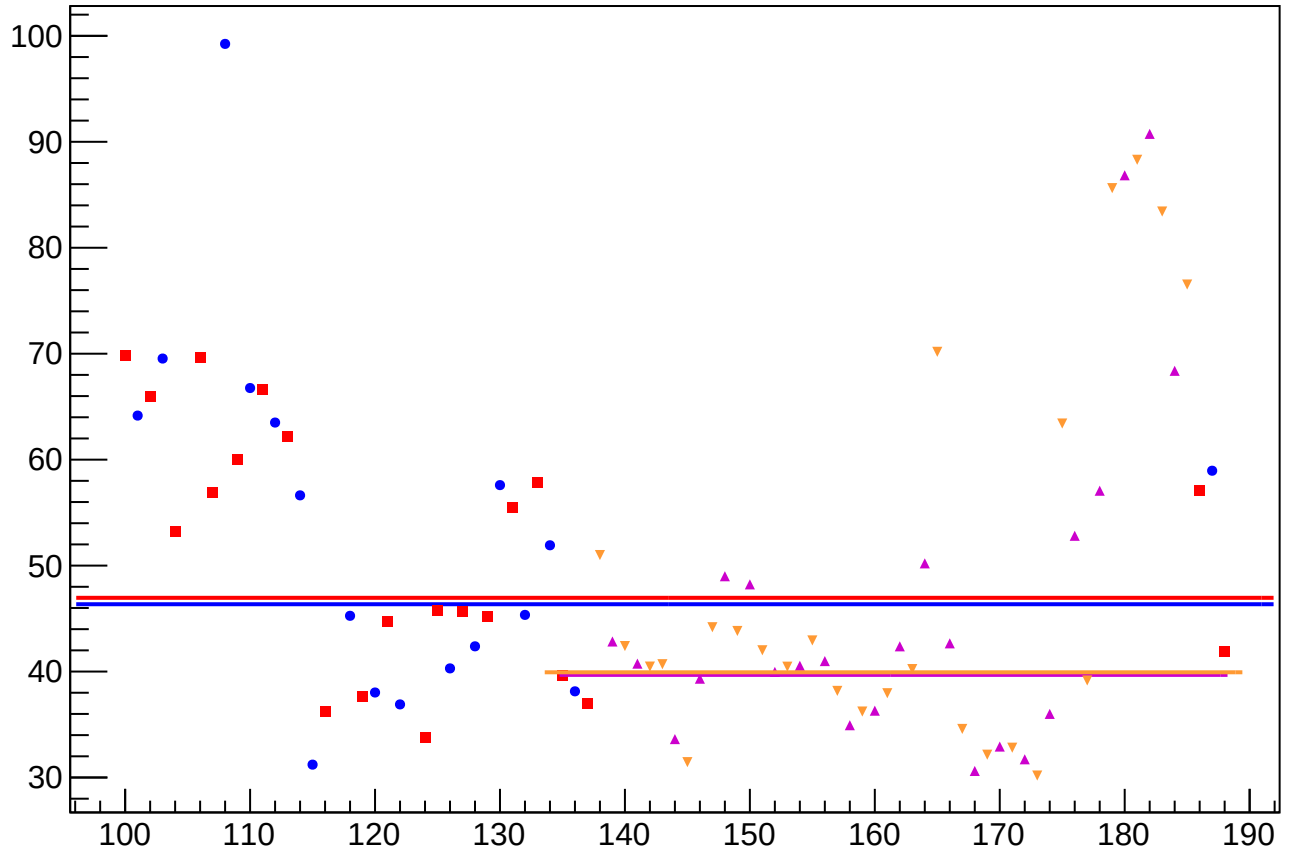
Right Out: 0.000+/-0.016 χ^2/NDF: 14.9/20

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.5/41

All: -0.002+/-0.006 χ^2/NDF: 92.4/85

- sign -0.006+/-0.008 χ^2/NDF: 45.5/43



Right In: 46.354+/-0.013 χ^2/NDF: 920204.7/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

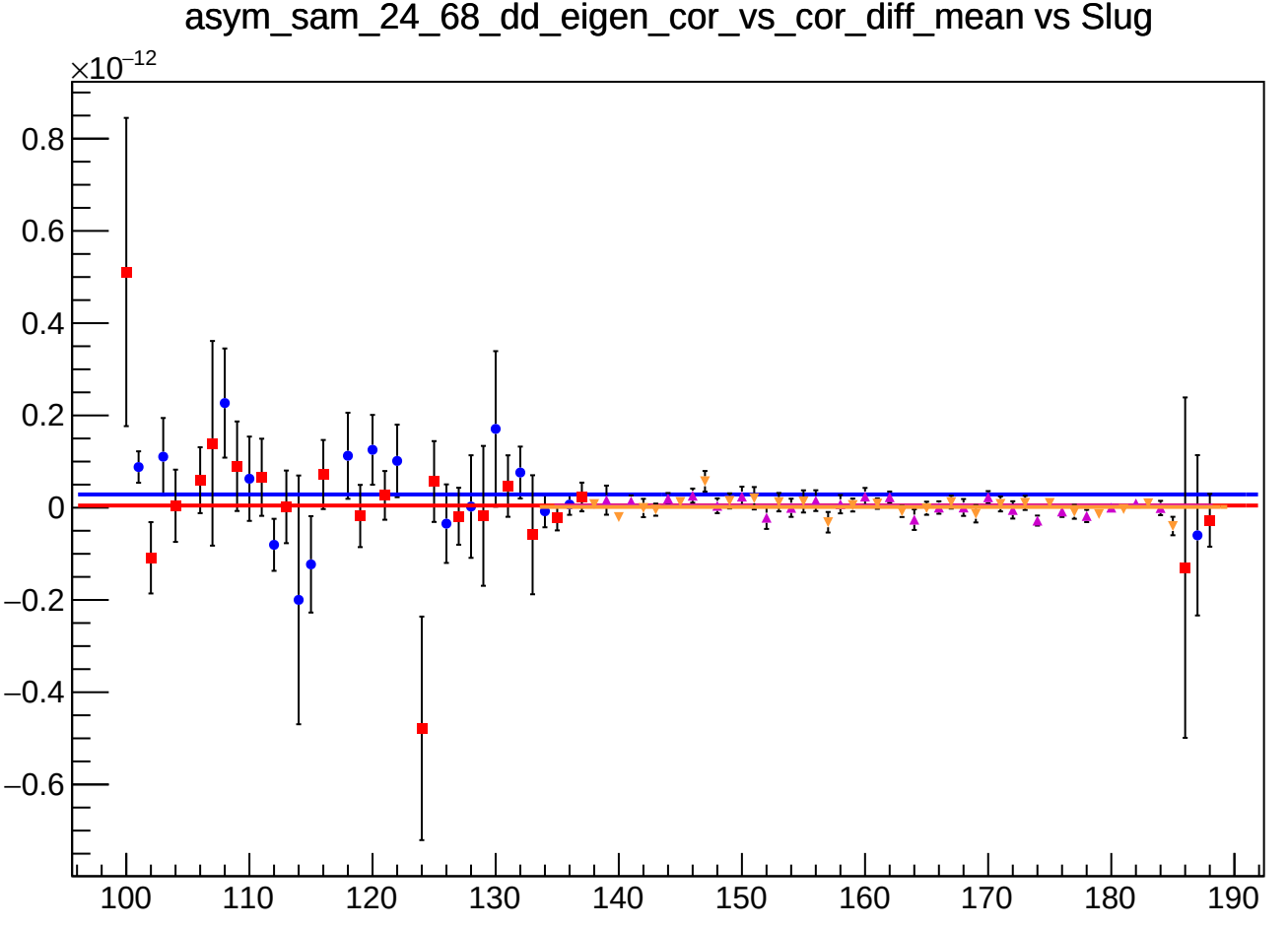
Right Out: 46.960+/-0.012 χ^2/NDF: 703974.2/20

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.366+/-0.006 χ^2/NDF: 3597051.8/41

All: 41.471+/-0.004 χ^2/NDF: 6505394.6/85

- sign 41.576+/-0.006 χ^2/NDF: 2907721.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

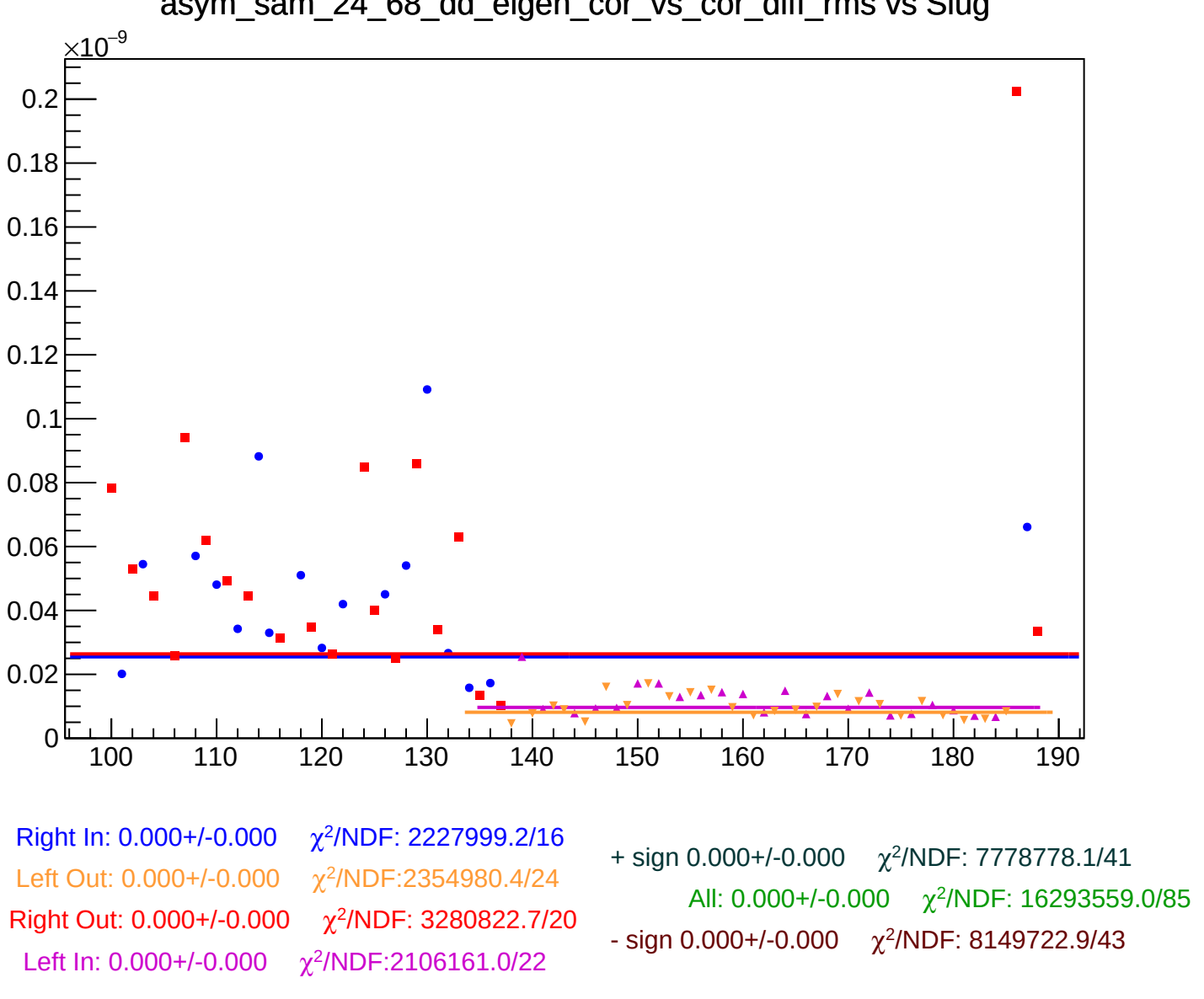
Right Out: 0.000+/-0.000 χ^2/NDF: 14.7/20

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

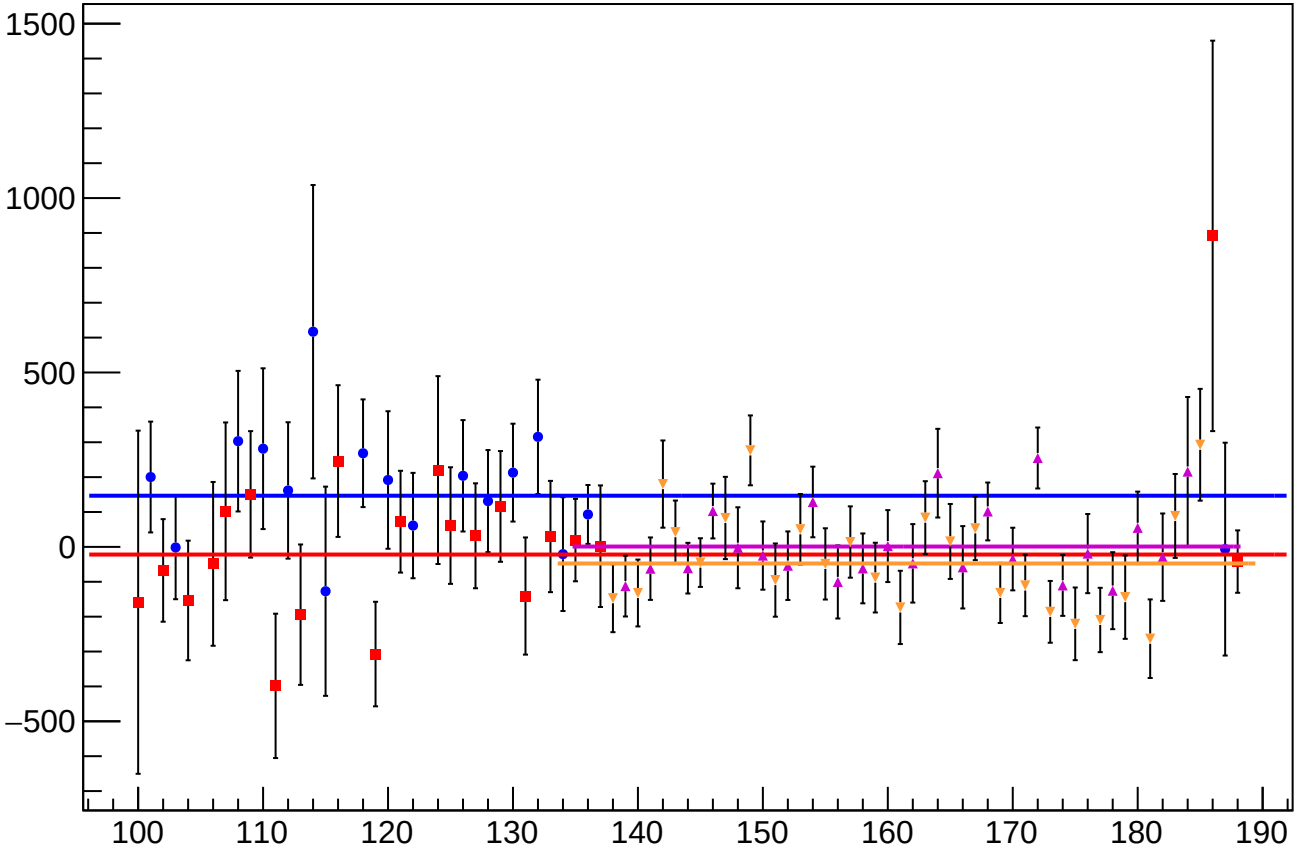
+ sign 0.000+/-0.000 χ^2/NDF: 53.0/41

All: 0.000+/-0.000 χ^2/NDF: 95.3/85

- sign 0.000+/-0.000 χ^2/NDF: 42.2/43


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2227999.2/16
Left Out: 0.000+/-0.000 χ²/NDF:2354980.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3280822.7/20
Left In: 0.000+/-0.000 χ²/NDF:2106161.0/22
+ sign 0.000+/-0.000 χ²/NDF: 7778778.1/41
All: 0.000+/-0.000 χ²/NDF: 16293559.0/85
- sign 0.000+/-0.000 χ²/NDF: 8149722.9/43

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 146.713+/-39.356 χ^2/NDF: 8.3/16

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -21.915+/-36.515 χ^2/NDF: 16.9/20

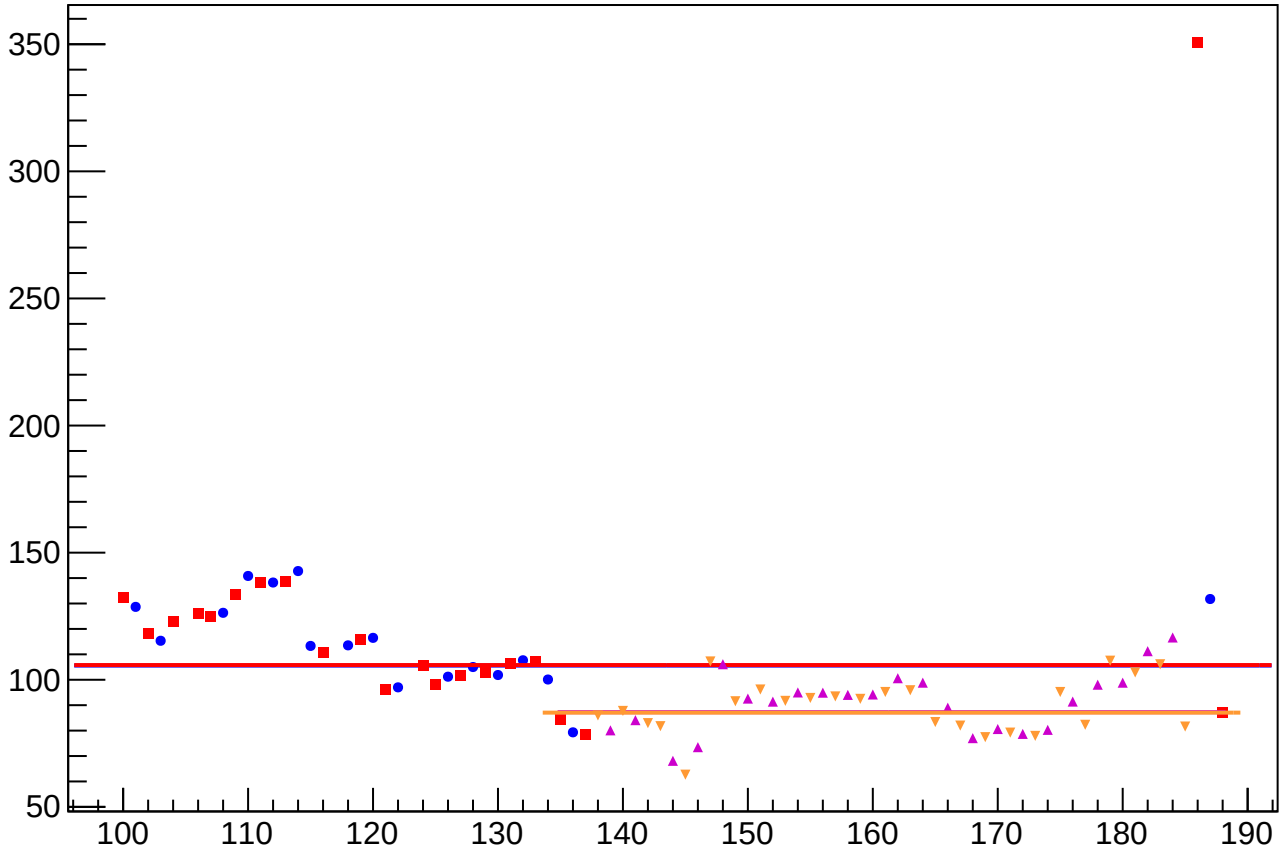
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -7.711+/-17.818 χ^2/NDF: 71.6/41

All: -6.139+/-12.644 χ^2/NDF: 114.3/85

- sign -4.544+/-17.944 χ^2/NDF: 42.7/43

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.589+/-0.028 χ^2/NDF: 423381.2/16

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

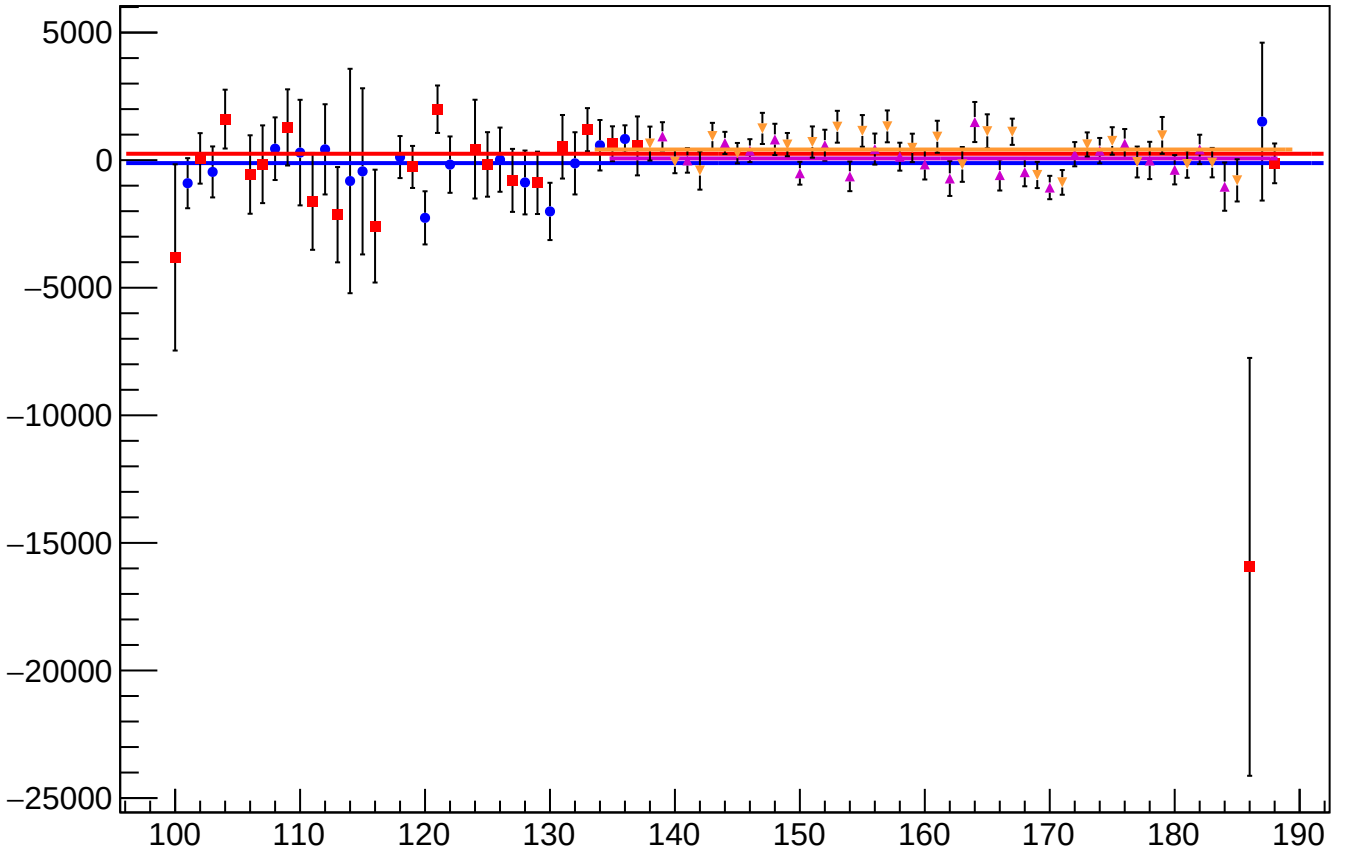
Right Out: 105.779+/-0.026 χ^2/NDF: 825409.0/20

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.867+/-0.013 χ^2/NDF: 1396028.5/41

All: 91.295+/-0.009 χ^2/NDF: 3209907.8/85

- sign 91.730+/-0.013 χ^2/NDF: 1811553.0/43



Right In: -115.803+/-267.604 χ^2/NDF: 12.6/16

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 250.231+/-255.099 χ^2/NDF: 19.2/20

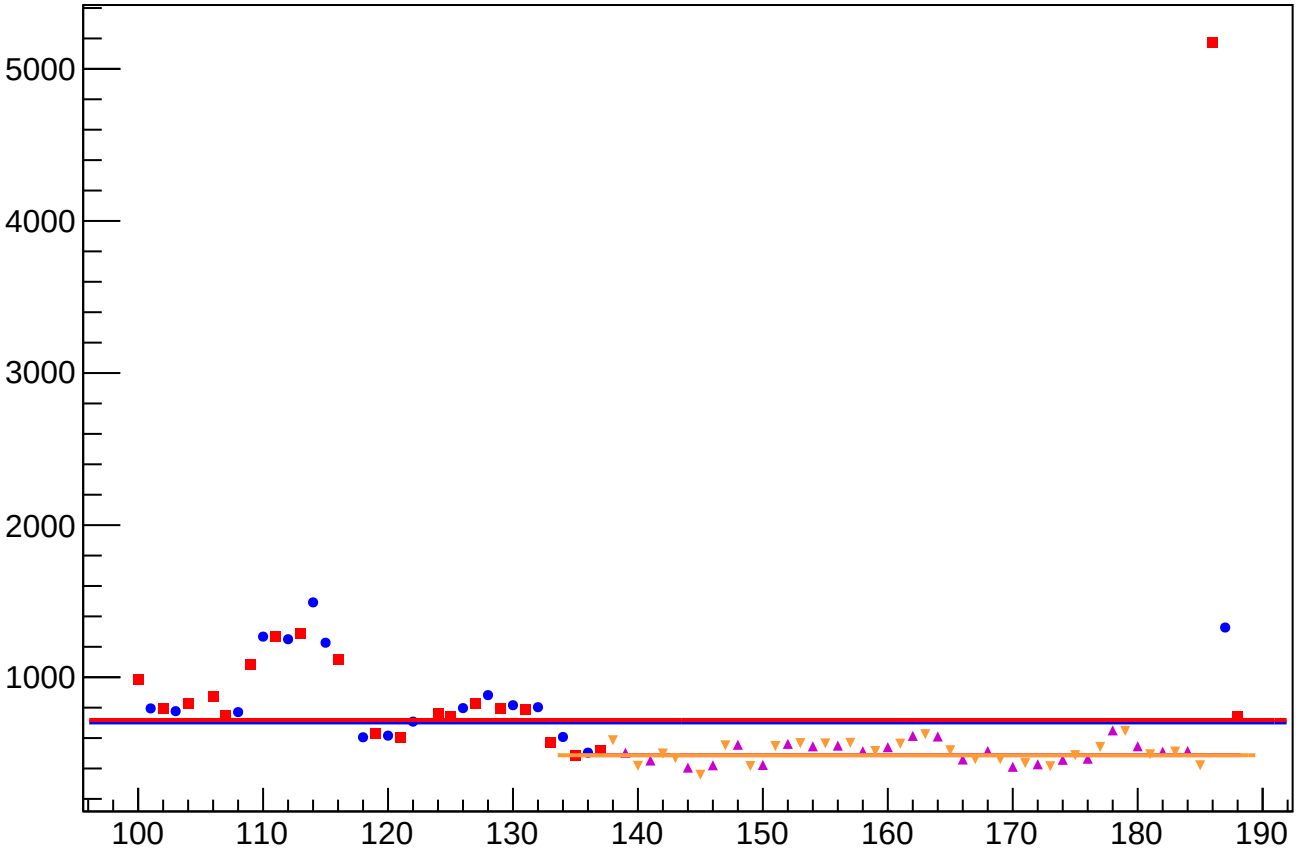
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 336.687+/-103.580 χ^2/NDF: 48.4/41

All: 219.080+/-73.793 χ^2/NDF: 98.1/85

- sign 97.866+/-105.156 χ^2/NDF: 47.1/43

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 702.758+/-0.189 χ^2/NDF: 994823.2/16

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 718.959+/-0.180 χ^2/NDF: 1630676.0/20

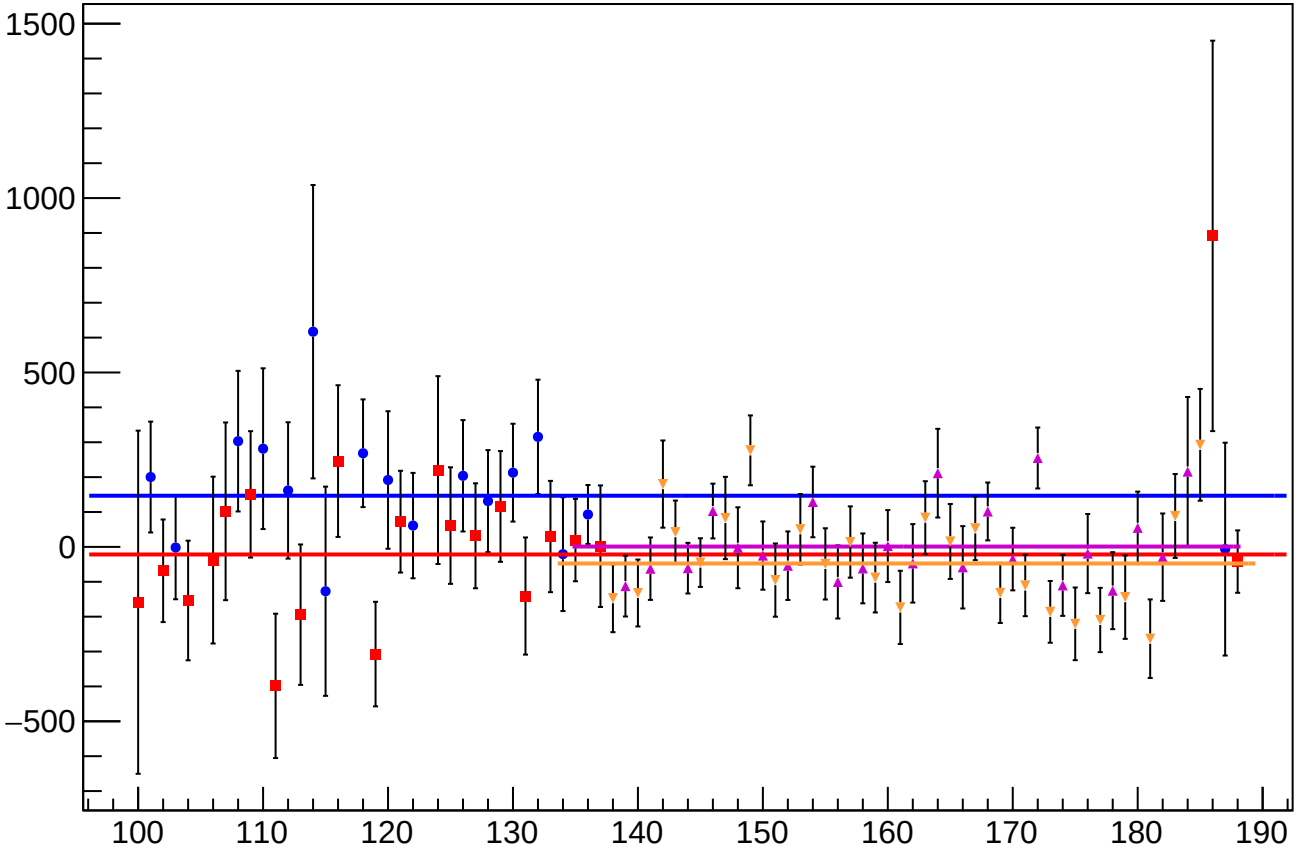
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 519.393+/-0.073 χ^2/NDF: 2920584.8/41

All: 523.231+/-0.052 χ^2/NDF: 6552744.5/85

- sign 527.188+/-0.074 χ^2/NDF: 3626582.3/43

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 146.704+/-39.356 χ^2/NDF: 8.3/16

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -21.706+/-36.531 χ^2/NDF: 16.9/20

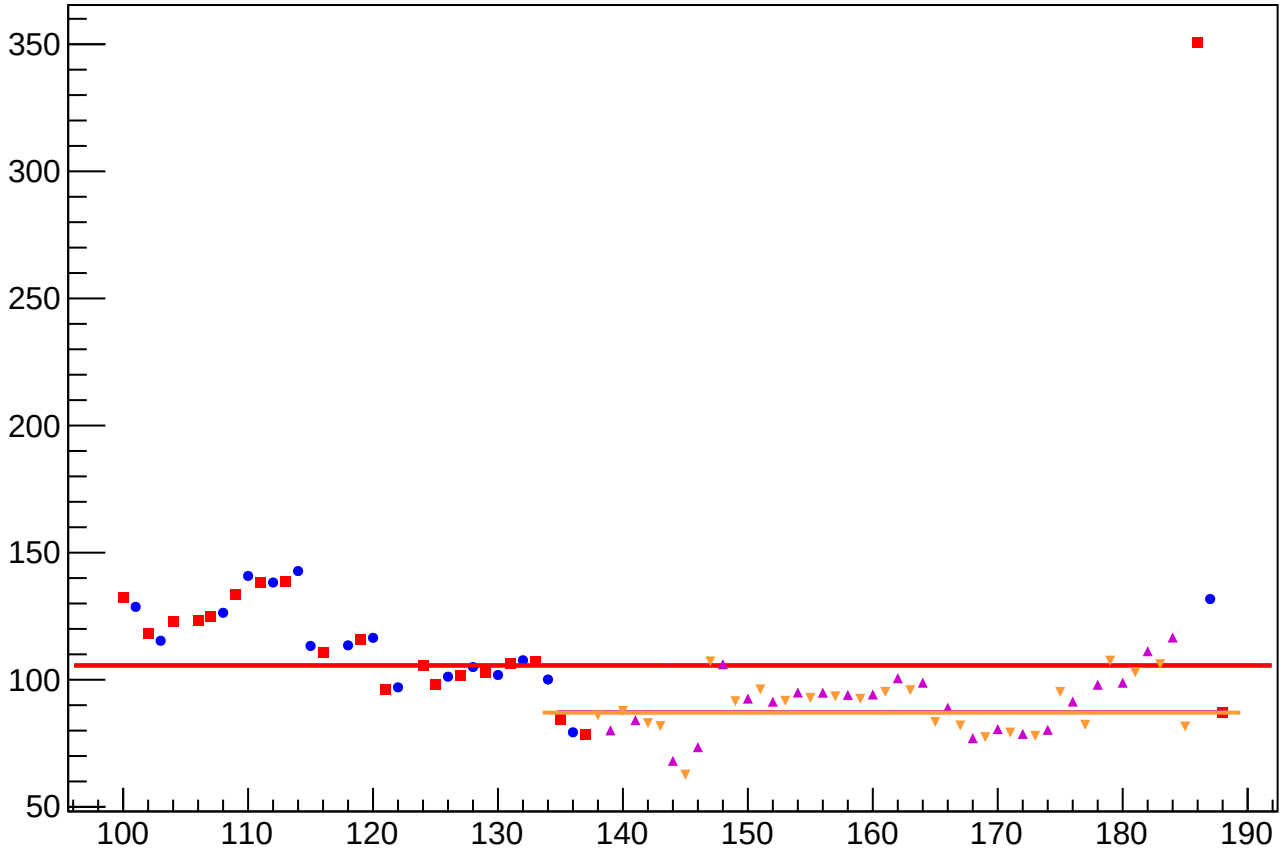
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.719+/-17.818 χ^2/NDF: 71.6/41

All: -6.115+/-12.644 χ^2/NDF: 114.3/85

- sign -4.489+/-17.946 χ^2/NDF: 42.7/43

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.589+/-0.028 χ^2/NDF: 423381.4/16

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

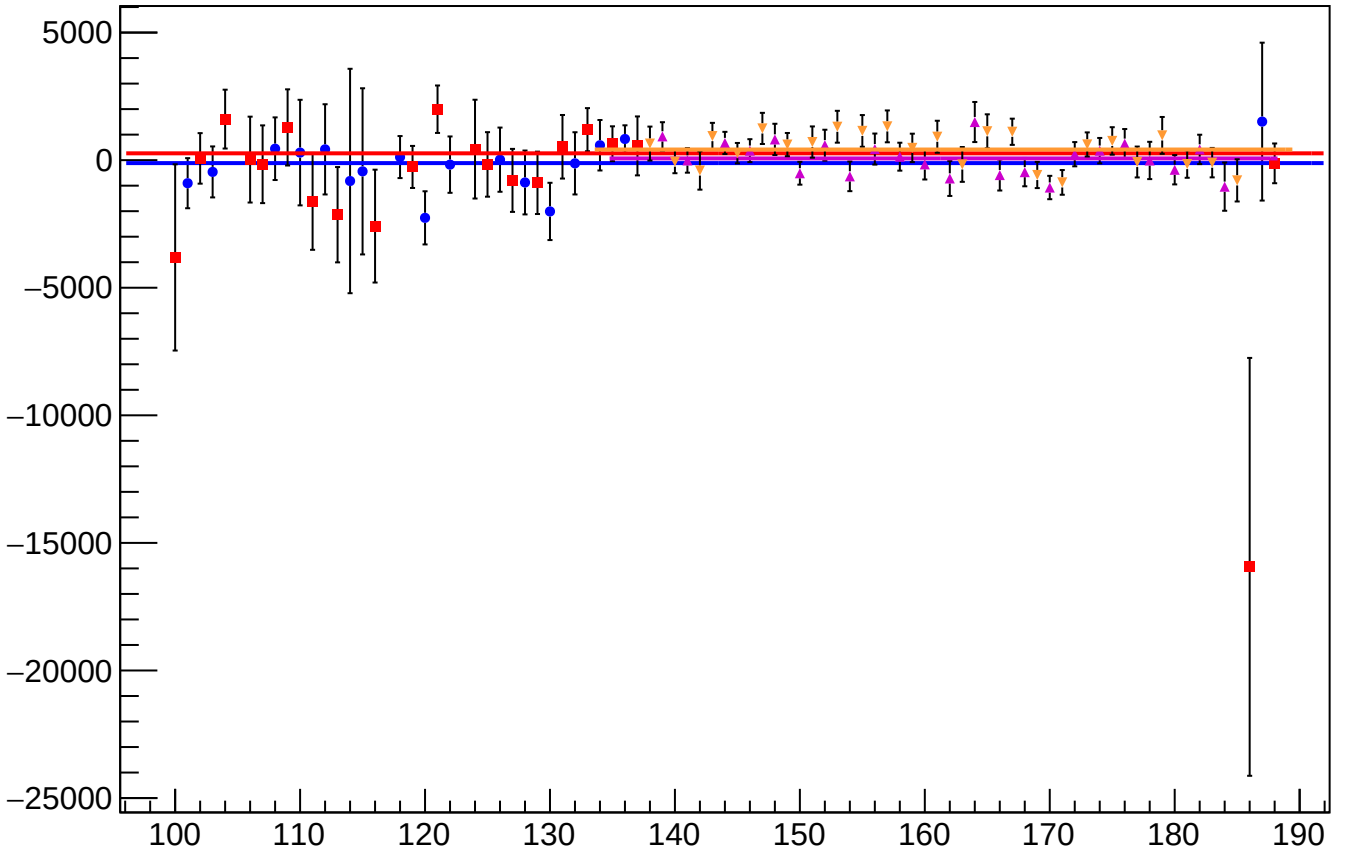
Right Out: 105.697+/-0.026 χ^2/NDF: 821200.2/20

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.867+/-0.013 χ^2/NDF: 1396028.8/41

All: 91.284+/-0.009 χ^2/NDF: 3201854.7/85

- sign 91.707+/-0.013 χ^2/NDF: 1803621.8/43



Right In: -115.794+/-267.605 χ^2/NDF: 12.6/16

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 267.435+/-255.692 χ^2/NDF: 18.9/20

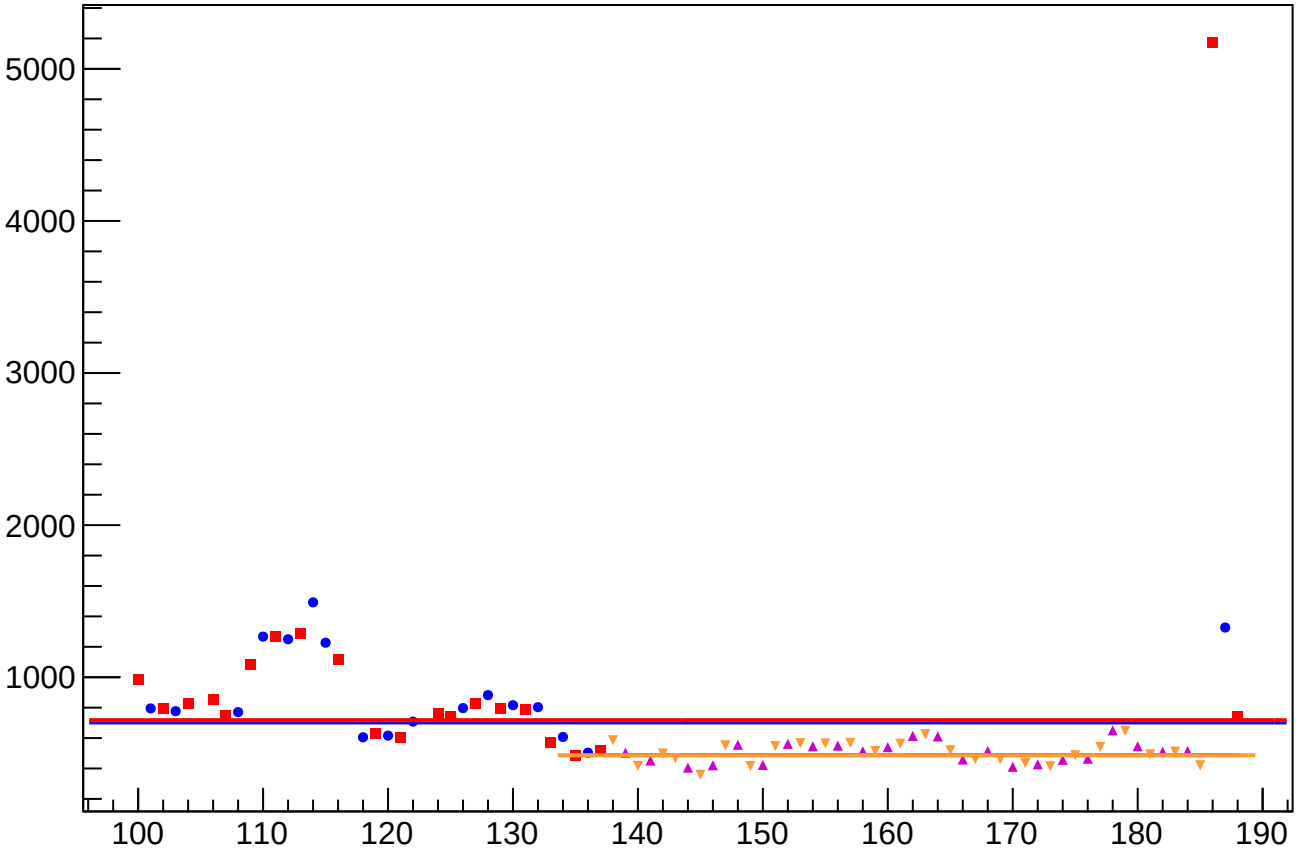
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 336.682+/-103.580 χ^2/NDF: 48.4/41

All: 220.499+/-73.807 χ^2/NDF: 97.9/85

- sign 100.657+/-105.198 χ^2/NDF: 47.0/43

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 702.759+/-0.189 χ^2/NDF: 994832.5/16

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 717.802+/-0.181 χ^2/NDF: 1623245.7/20

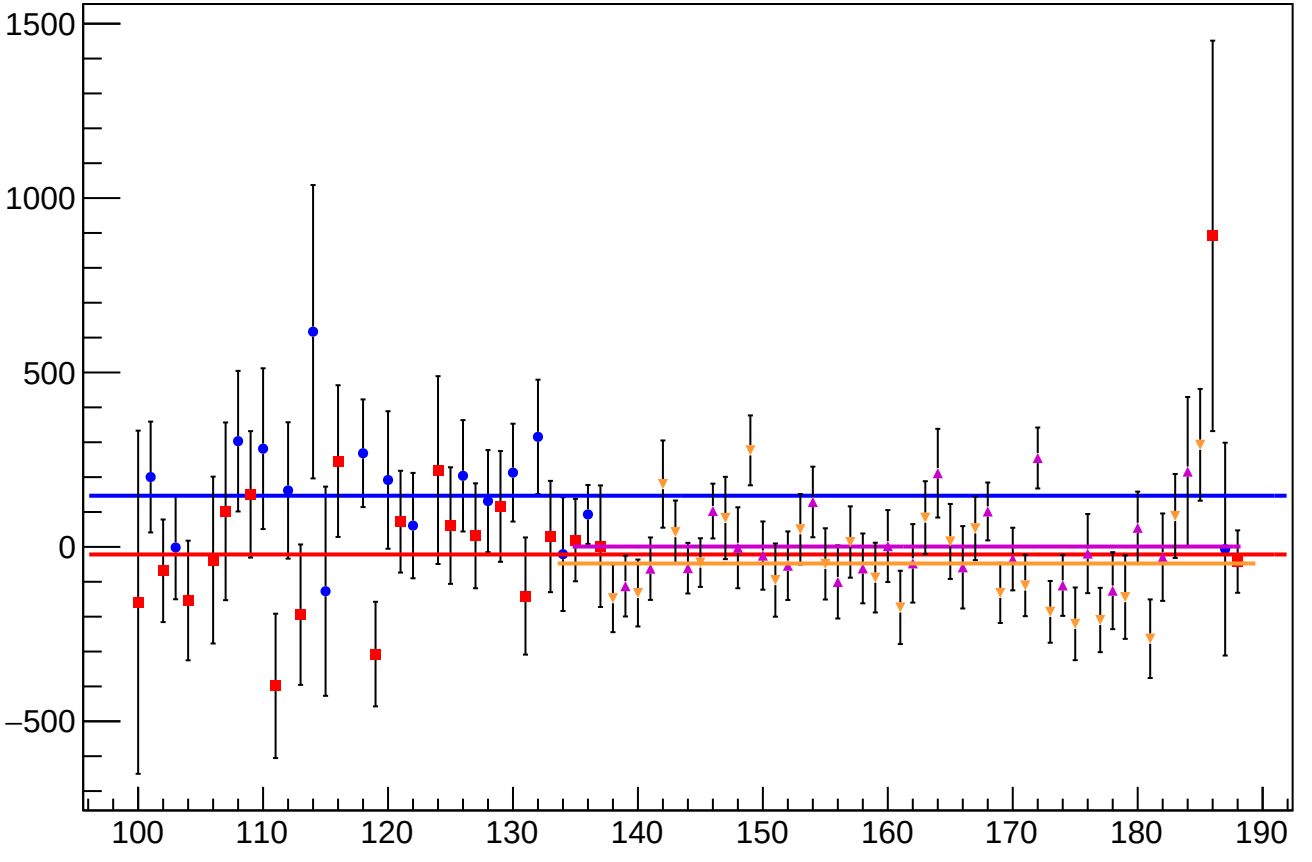
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 519.393+/-0.073 χ^2/NDF: 2920591.9/41

All: 523.059+/-0.052 χ^2/NDF: 6526043.1/85

- sign 526.841+/-0.074 χ^2/NDF: 3600361.6/43

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 146.704+/-39.356 χ^2/NDF: 8.3/16

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -21.706+/-36.531 χ^2/NDF: 16.9/20

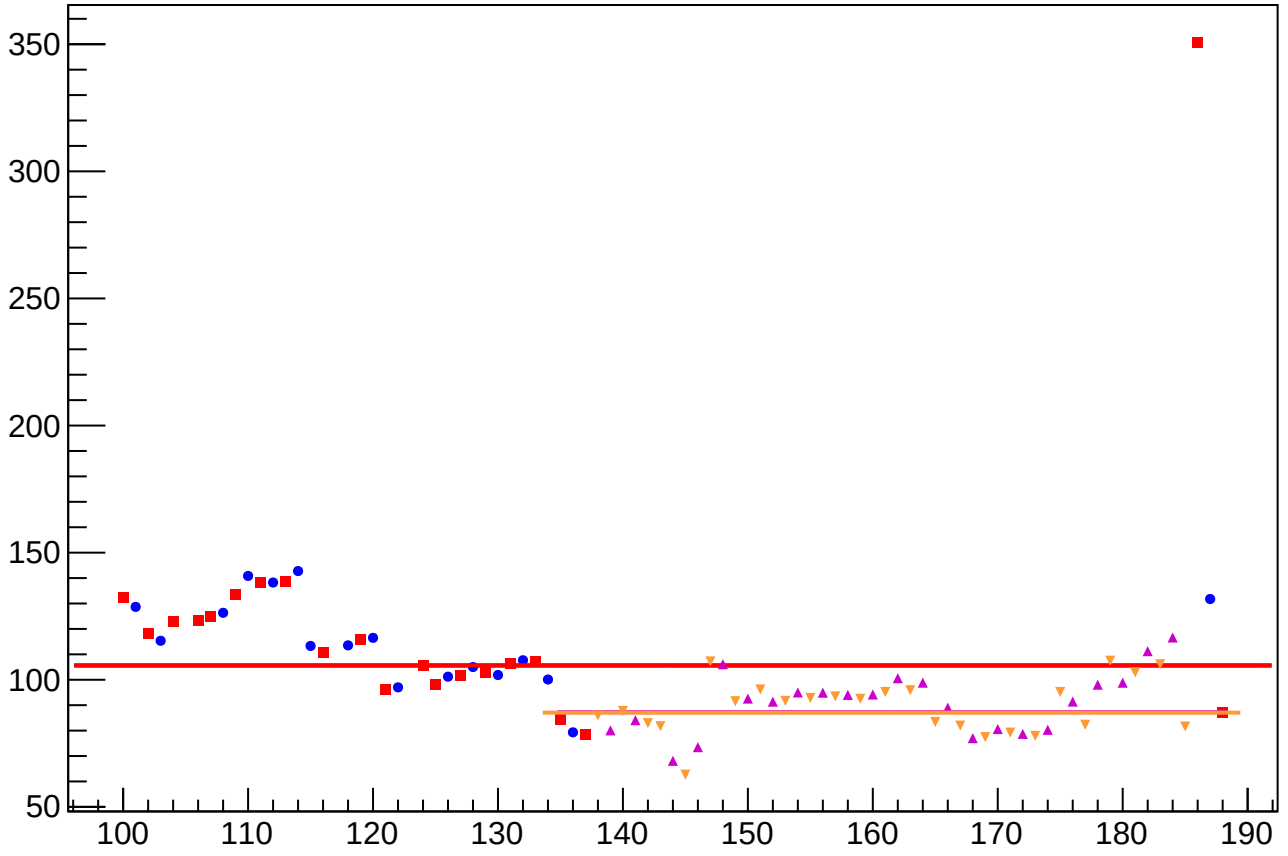
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.719+/-17.818 χ^2/NDF: 71.6/41

All: -6.115+/-12.644 χ^2/NDF: 114.3/85

- sign -4.489+/-17.946 χ^2/NDF: 42.7/43

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.589+/-0.028 χ^2/NDF: 423381.4/16

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

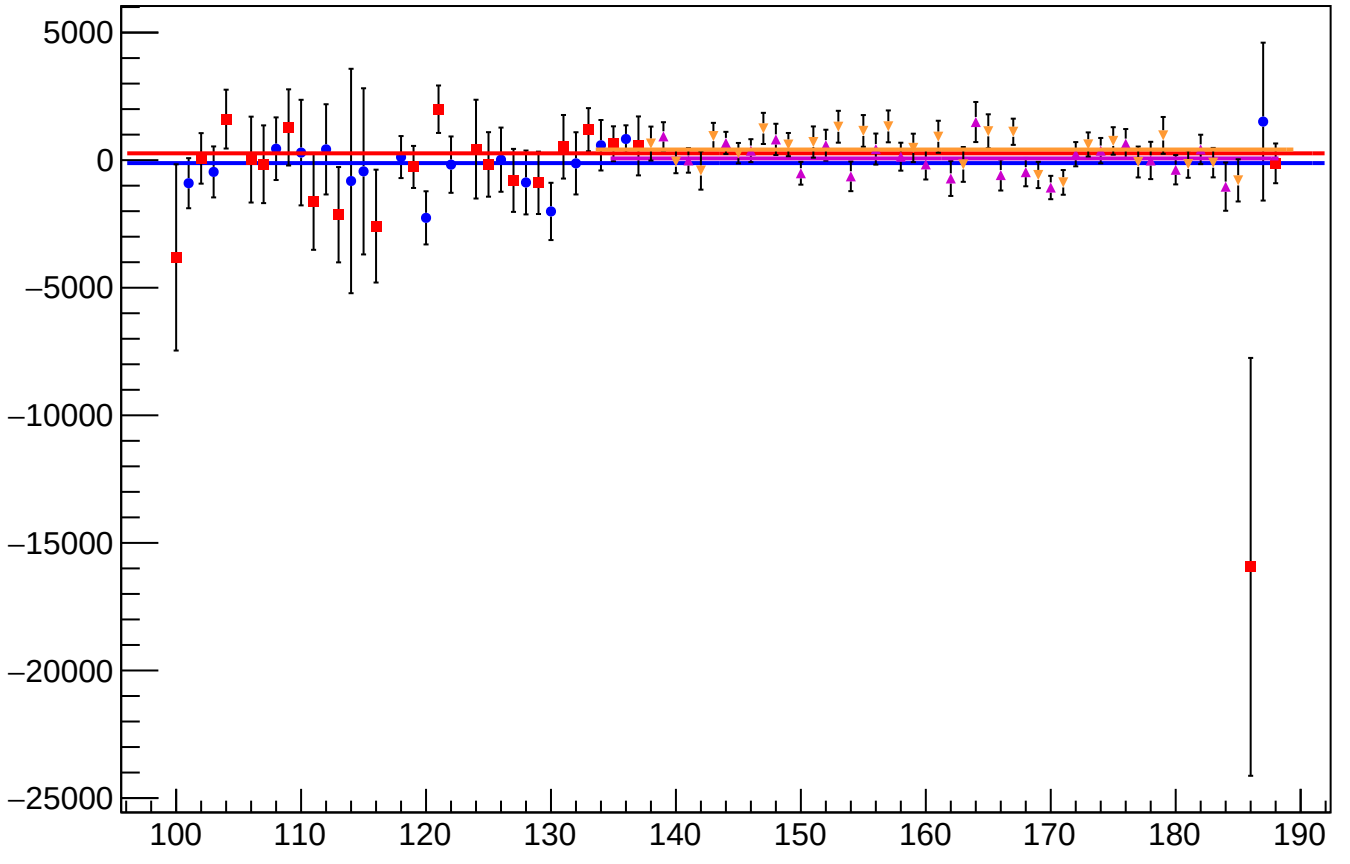
Right Out: 105.697+/-0.026 χ^2/NDF: 821200.2/20

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.867+/-0.013 χ^2/NDF: 1396028.8/41

All: 91.284+/-0.009 χ^2/NDF: 3201854.7/85

- sign 91.707+/-0.013 χ^2/NDF: 1803621.8/43



Right In: -115.794+/-267.605 χ^2/NDF: 12.6/16

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

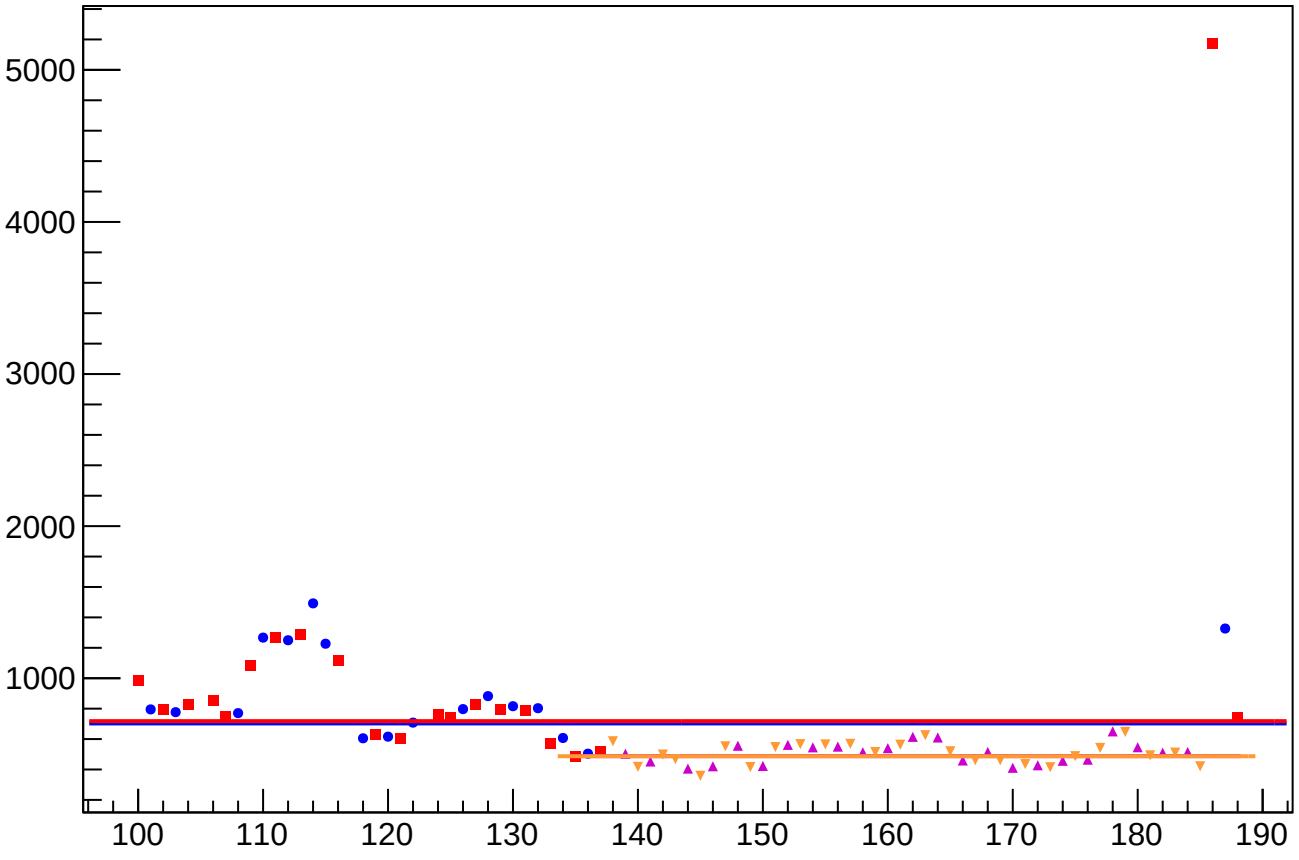
Right Out: 267.435+/-255.692 χ^2/NDF: 18.9/20

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 336.682+/-103.580 χ^2/NDF: 48.4/41

All: 220.499+/-73.807 χ^2/NDF: 97.9/85

- sign 100.657+/-105.198 χ^2/NDF: 47.0/43



Right In: 702.759+/-0.189 χ^2/NDF: 994832.5/16

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 717.802+/-0.181 χ^2/NDF: 1623245.7/20

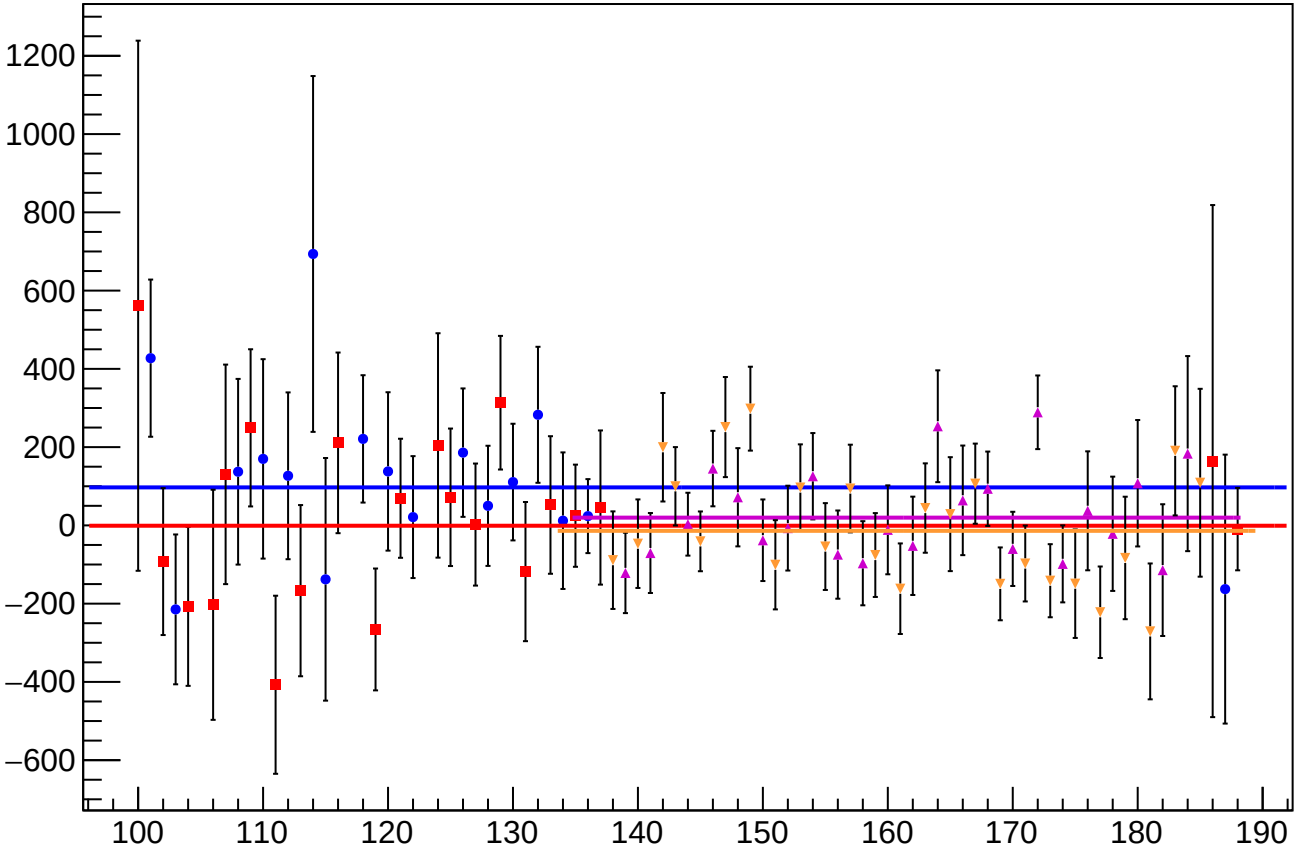
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 519.393+/-0.073 χ^2/NDF: 2920591.9/41

All: 523.059+/-0.052 χ^2/NDF: 6526043.1/85

- sign 526.841+/-0.074 χ^2/NDF: 3600361.6/43

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 97.114+/-43.165 χ^2/NDF: 11.6/16

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -0.881+/-40.549 χ^2/NDF: 16.7/20

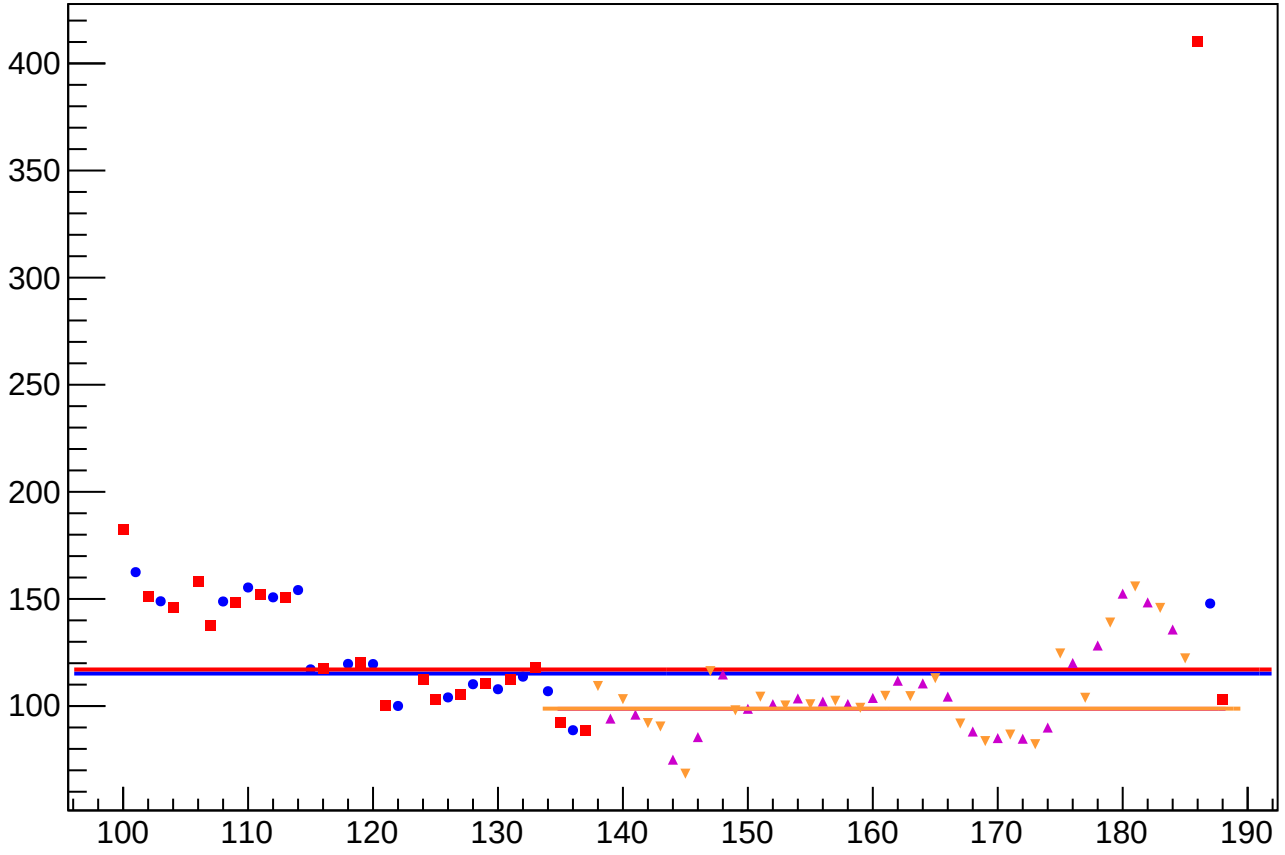
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 10.507+/-20.241 χ^2/NDF: 53.1/41

All: 12.530+/-14.361 χ^2/NDF: 93.3/85

- sign 14.580+/-20.378 χ^2/NDF: 40.2/43

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 115.179+/-0.031 χ^2/NDF: 550359.6/16

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

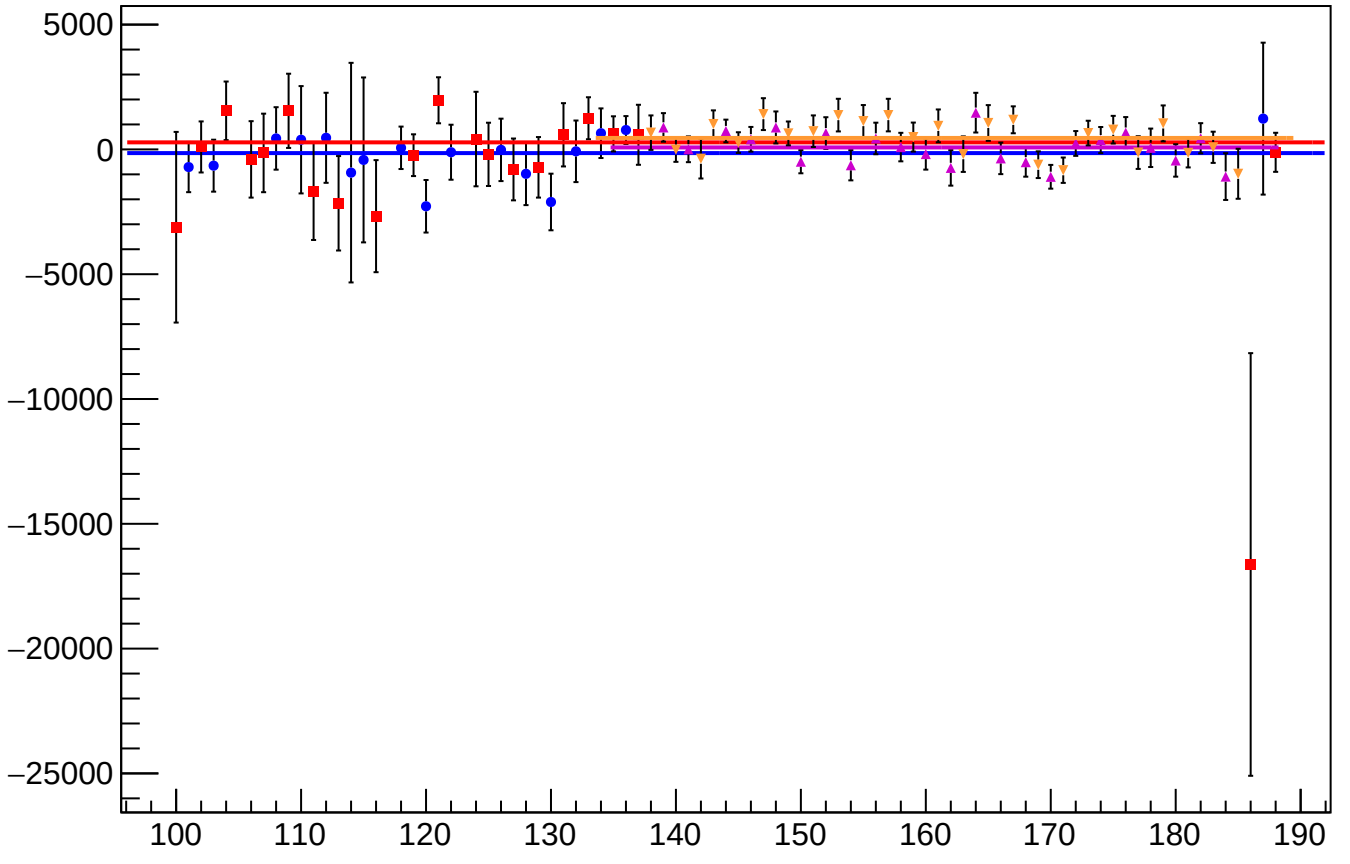
Right Out: 117.071+/-0.029 χ^2/NDF: 922543.4/20

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.400+/-0.014 χ^2/NDF: 1960836.9/41

All: 102.857+/-0.010 χ^2/NDF: 4181009.9/85

- sign 103.320+/-0.014 χ^2/NDF: 2218123.5/43



Right In: -147.878+/-273.447 χ^2/NDF: 12.2/16

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 282.122+/-258.139 χ^2/NDF: 18.6/20

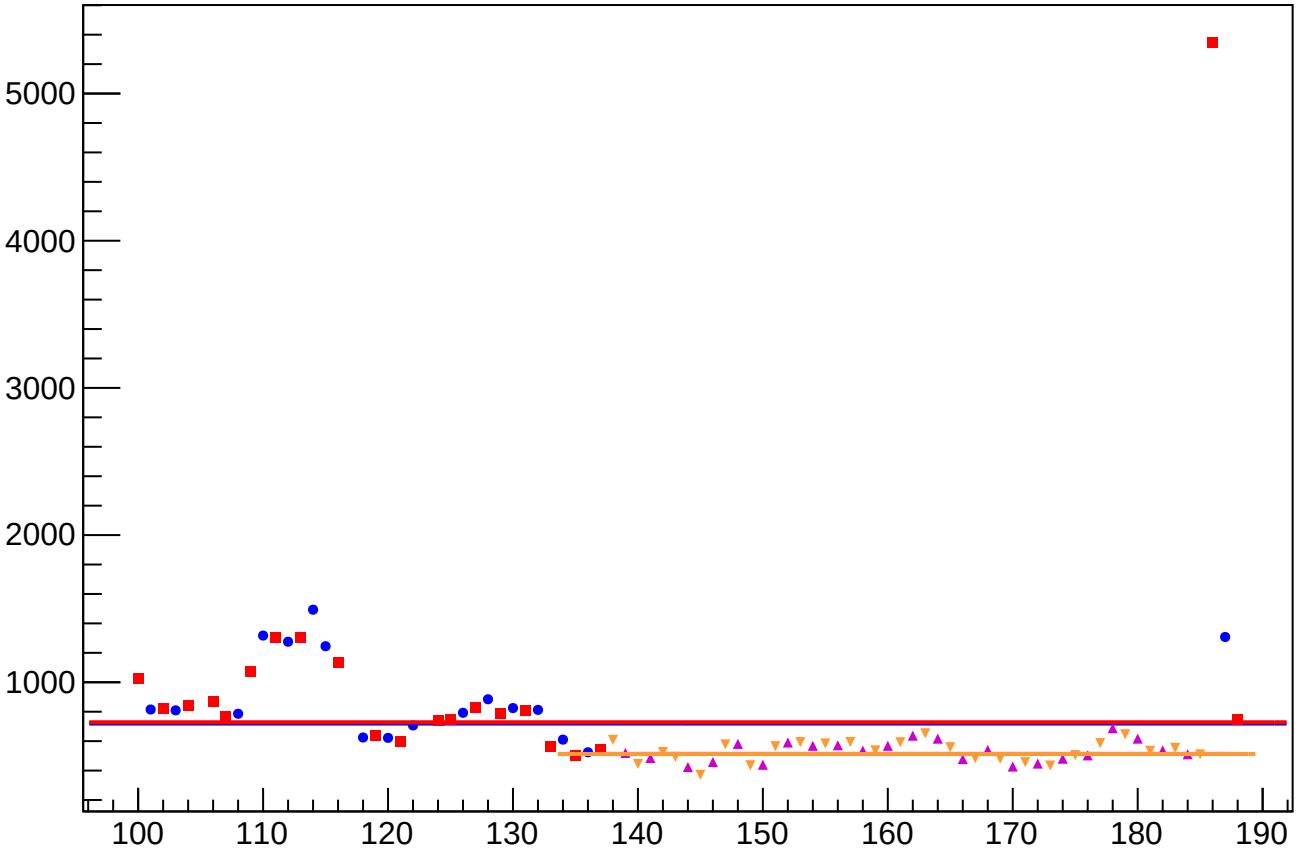
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 363.658+/-108.429 χ^2/NDF: 47.1/41

All: 241.300+/-77.180 χ^2/NDF: 95.0/85

\- sign 115.635+/-109.885 χ^2/NDF: 45.3/43

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 719.453+/-0.193 χ^2/NDF: 951515.9/16

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 728.317+/-0.183 χ^2/NDF: 1616480.3/20

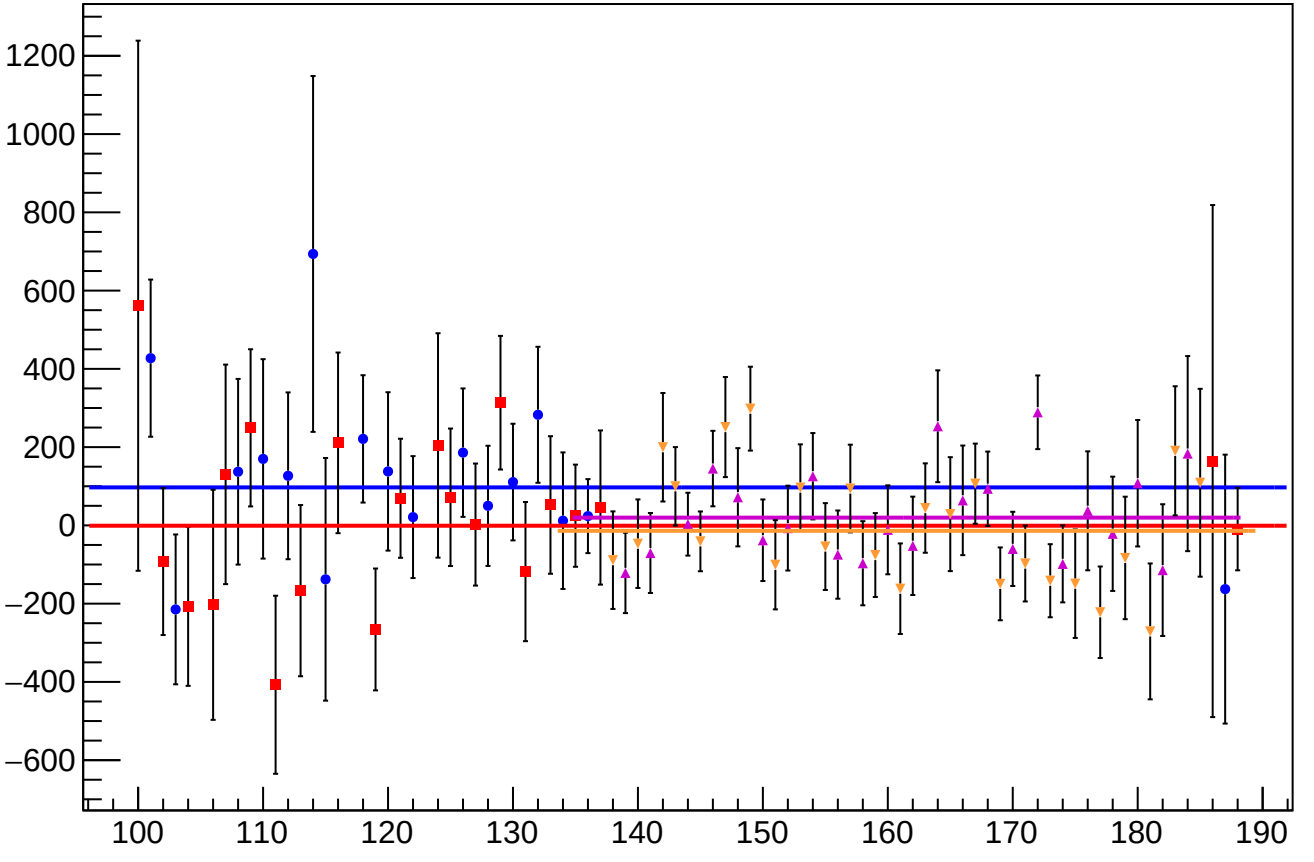
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

\+ sign 545.266+/-0.077 χ^2/NDF: 2713707.9/41

All: 548.747+/-0.055 χ^2/NDF: 6103747.2/85

\- sign 552.323+/-0.078 χ^2/NDF: 3385860.0/43

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 97.112+/-43.165 χ^2/NDF: 11.6/16

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -0.880+/-40.549 χ^2/NDF: 16.7/20

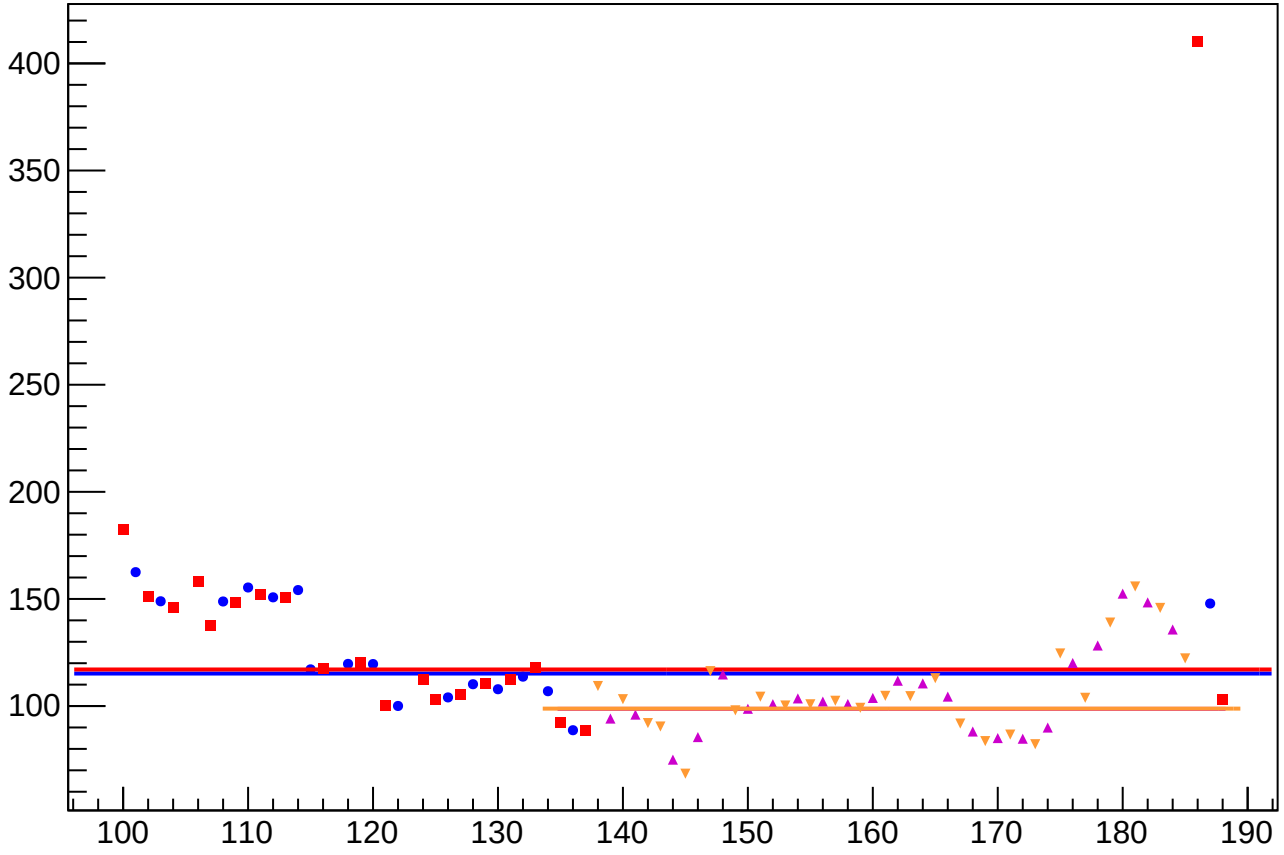
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 10.505+/-20.241 χ^2/NDF: 53.1/41

All: 12.529+/-14.361 χ^2/NDF: 93.3/85

- sign 14.581+/-20.378 χ^2/NDF: 40.2/43

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 115.179+/-0.031 χ^2/NDF: 550345.3/16

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

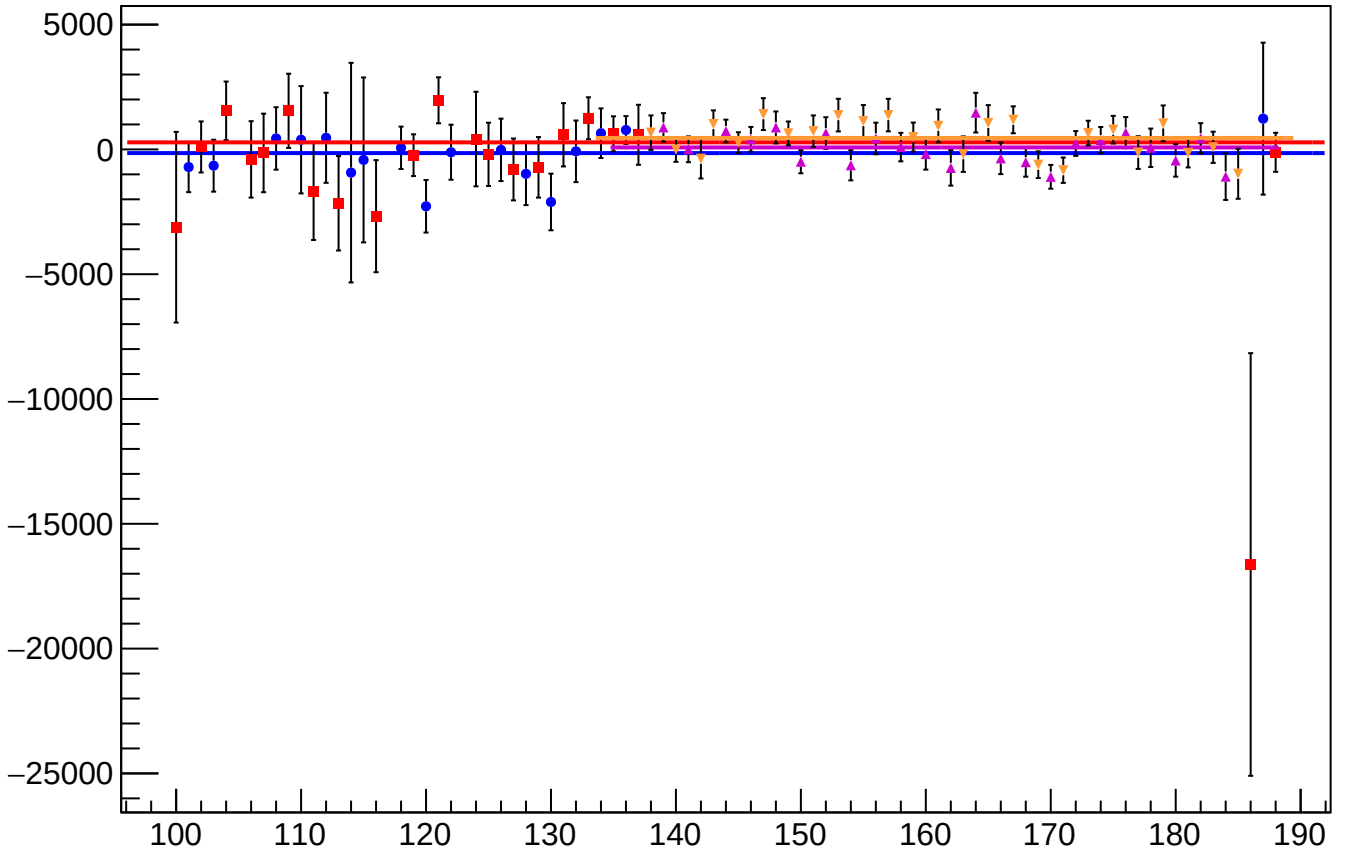
Right Out: 117.071+/-0.029 χ^2/NDF: 922531.7/20

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.400+/-0.014 χ^2/NDF: 1960831.8/41

All: 102.857+/-0.010 χ^2/NDF: 4180984.8/85

- sign 103.320+/-0.014 χ^2/NDF: 2218103.5/43



Right In: -147.880+/-273.447 χ^2/NDF: 12.2/16

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

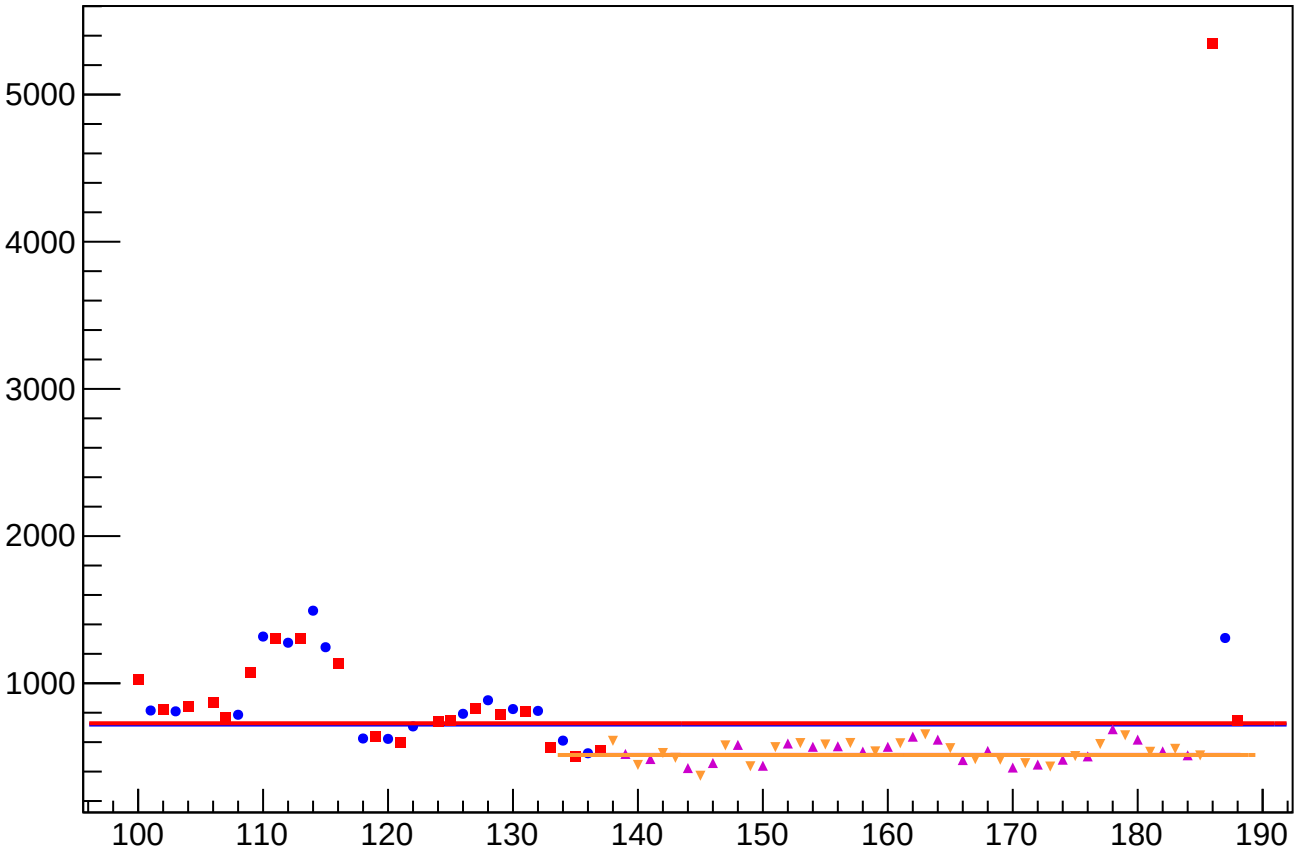
Right Out: 282.122+/-258.139 χ^2/NDF: 18.6/20

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 363.656+/-108.429 χ^2/NDF: 47.1/41

All: 241.299+/-77.180 χ^2/NDF: 95.0/85

\- sign 115.635+/-109.885 χ^2/NDF: 45.3/43



Right In: 719.453+/-0.193 χ^2/NDF: 951509.7/16

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 728.316+/-0.183 χ^2/NDF: 1616473.0/20

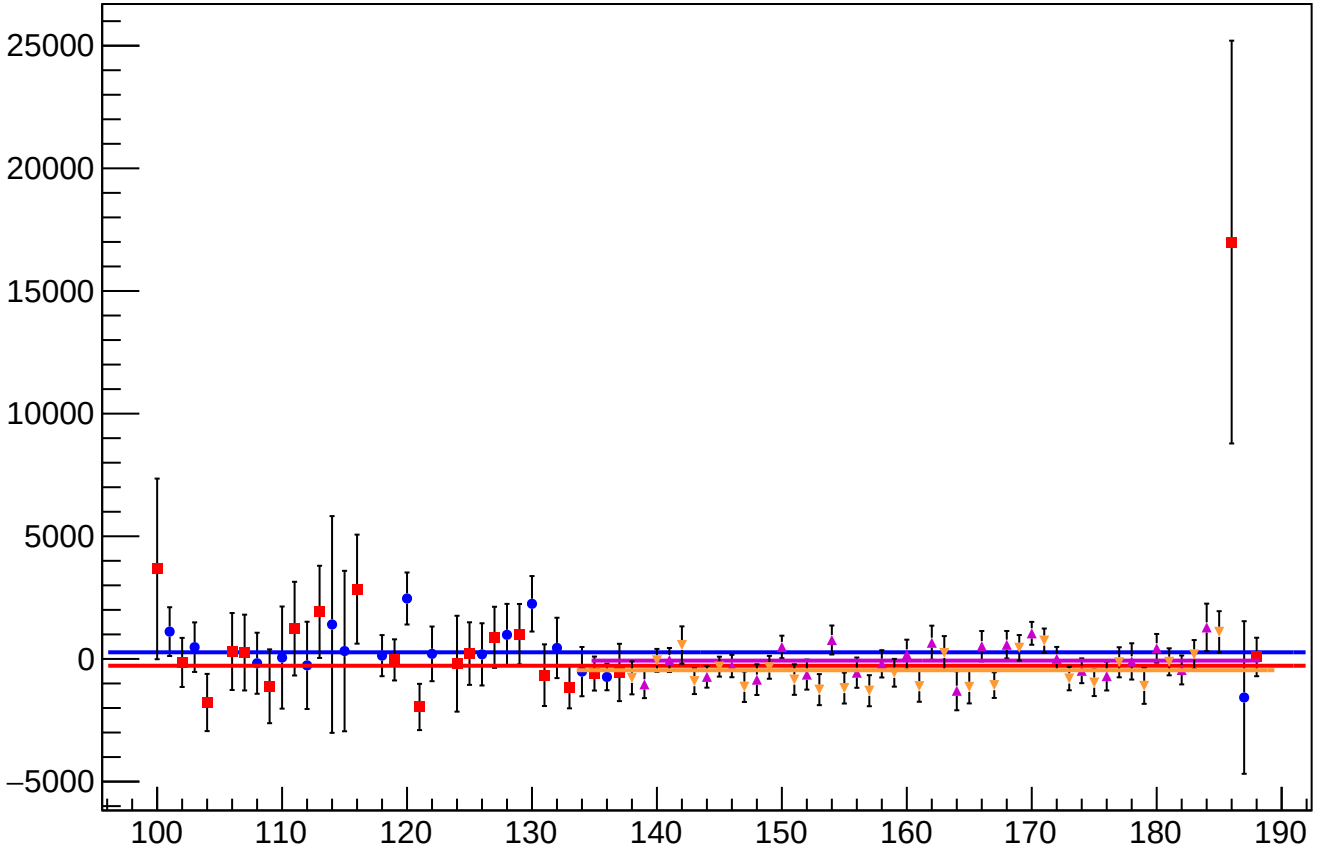
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 545.266+/-0.077 χ^2/NDF: 2713704.2/41

All: 548.747+/-0.055 χ^2/NDF: 6103729.8/85

- sign 552.323+/-0.078 χ^2/NDF: 3385846.3/43

asym_sam_26_48_dd_mean vs Slug



Right In: 270.696+/-270.911 χ^2/NDF: 13.1/16

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -277.375+/-258.221 χ^2/NDF: 18.8/20

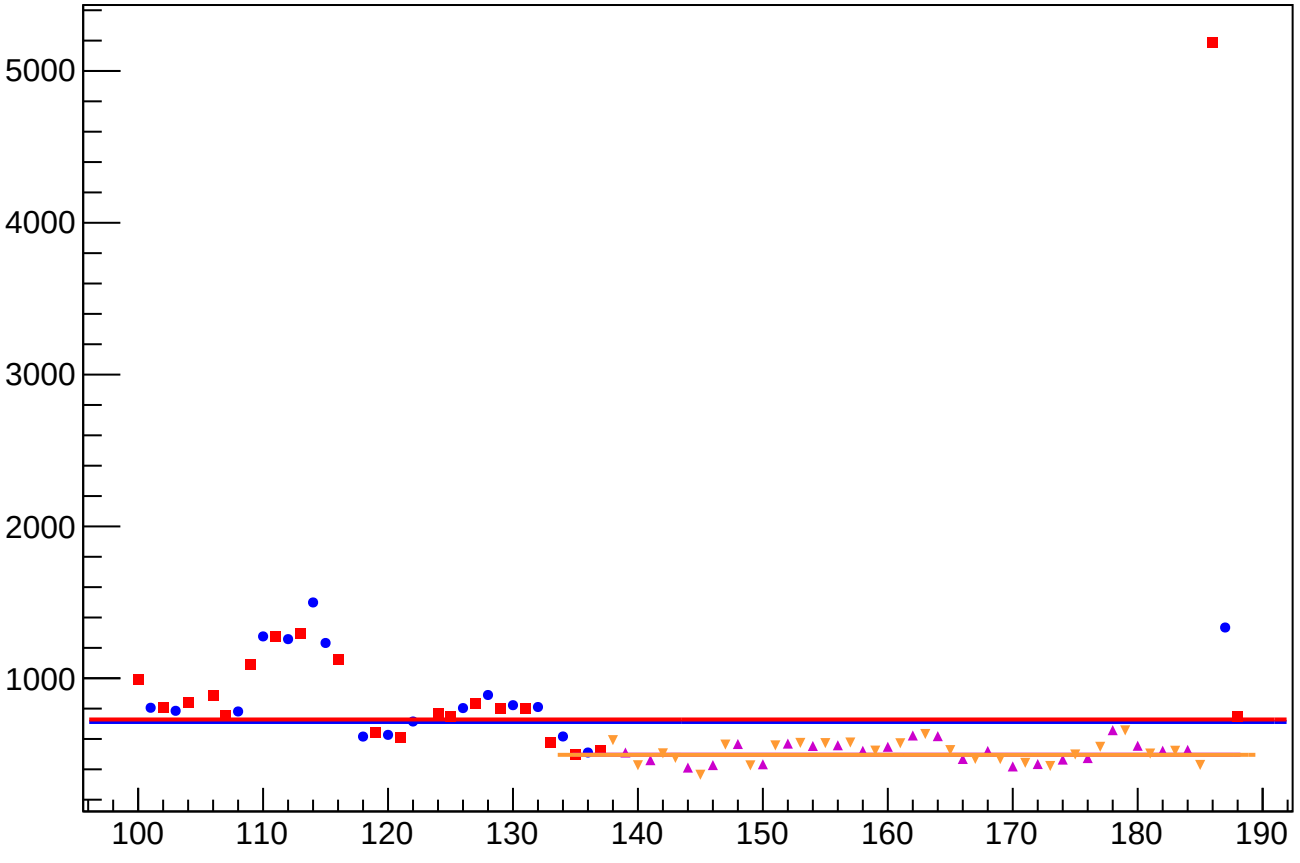
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -349.578+/-105.258 χ^2/NDF: 50.2/41

All: -228.572+/-74.984 χ^2/NDF: 100.7/85

- sign -103.884+/-106.847 χ^2/NDF: 47.9/43

asym_sam_26_48_dd_rms vs Slug



Right In: 711.965+/-0.192 χ^2/NDF: 977327.9/16

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

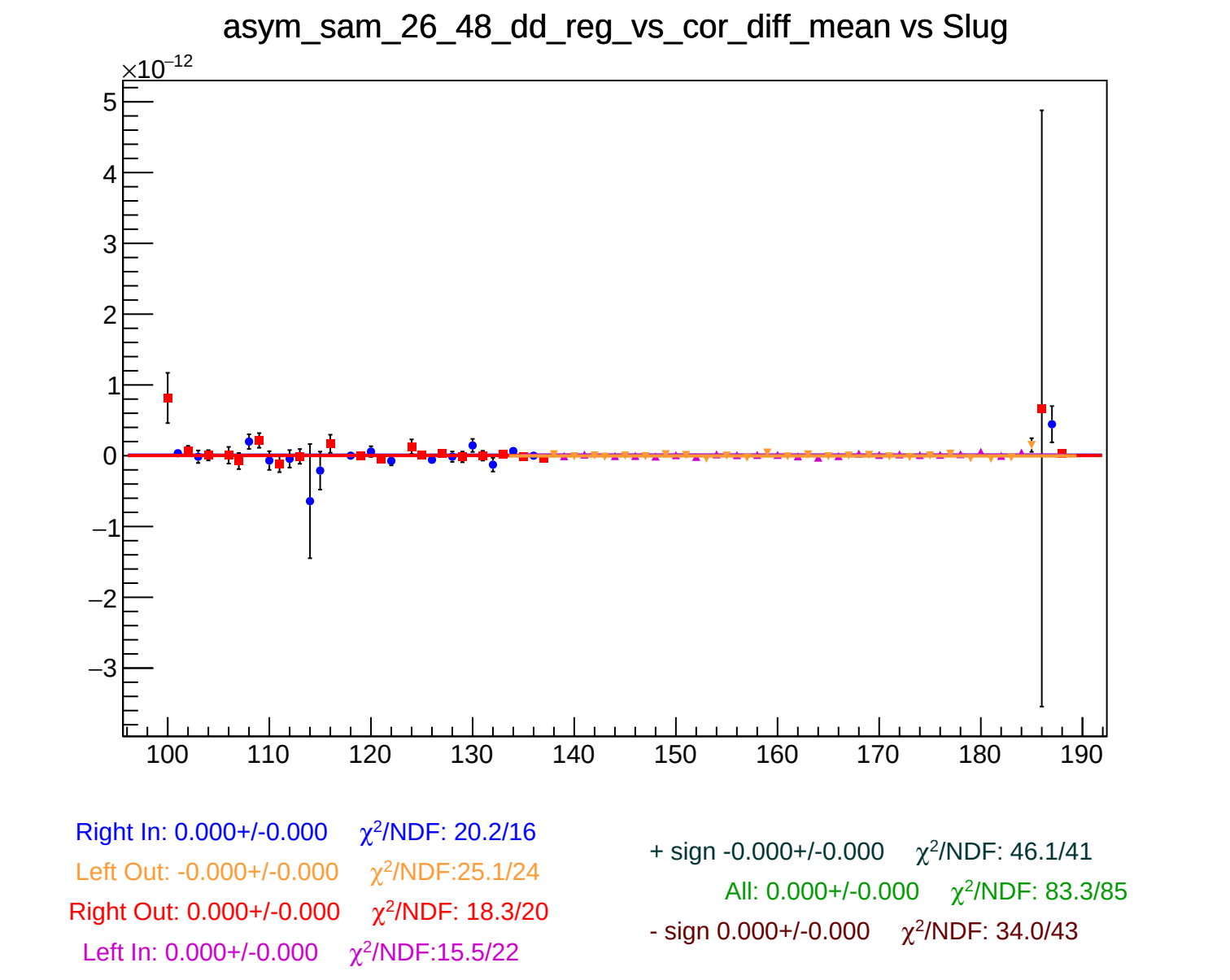
Right Out: 728.345+/-0.183 χ^2/NDF: 1608147.1/20

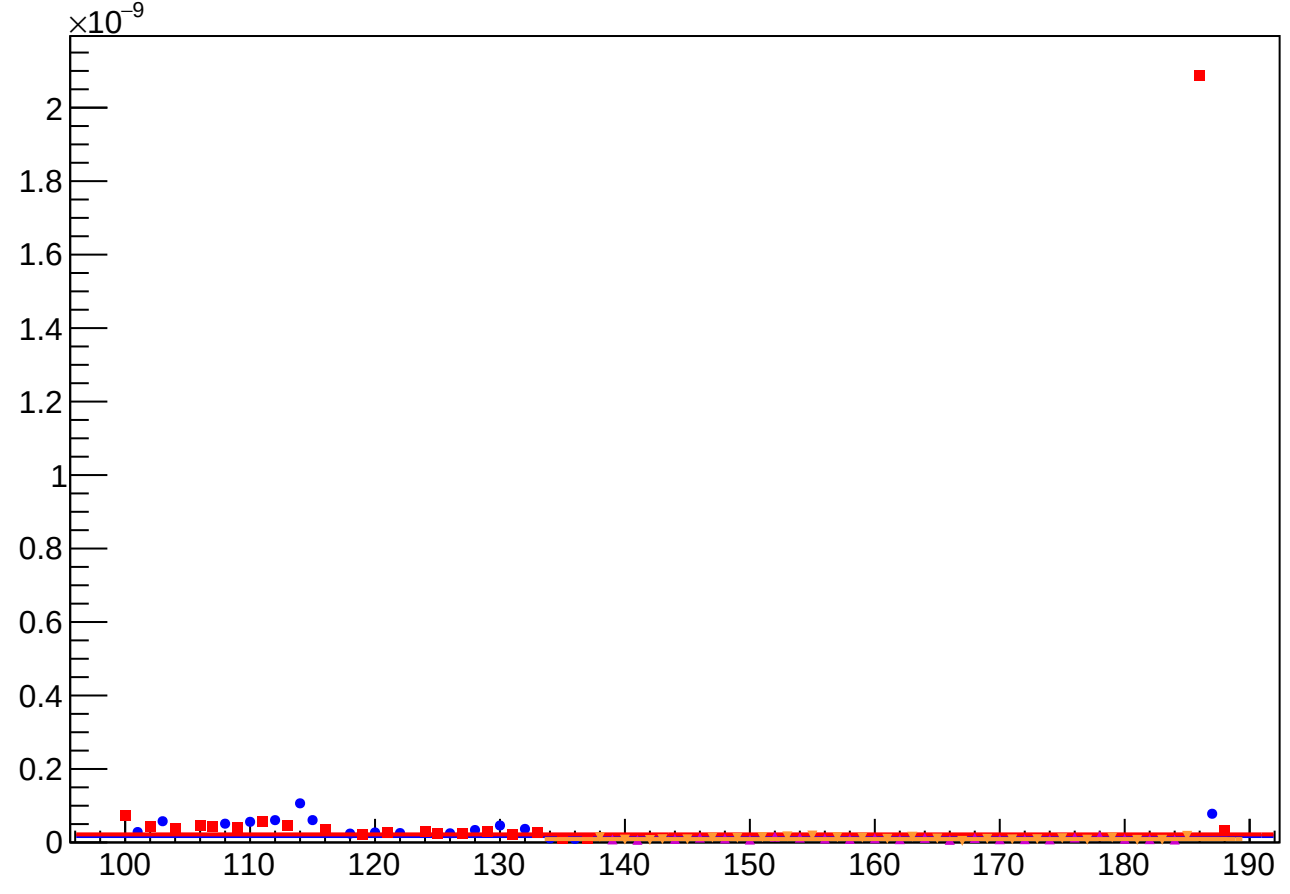
Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 528.189+/-0.074 χ^2/NDF: 2865979.3/41

All: 532.054+/-0.053 χ^2/NDF: 6440424.6/85

- sign 536.036+/-0.076 χ^2/NDF: 3568971.1/43


asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 20.2/16
Left Out: -0.000+/-0.000 χ²/NDF:25.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 18.3/20
Left In: 0.000+/-0.000 χ²/NDF:15.5/22
+ sign -0.000+/-0.000 χ²/NDF: 46.1/41
All: 0.000+/-0.000 χ²/NDF: 83.3/85
- sign 0.000+/-0.000 χ²/NDF: 34.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 2481226.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2233221.1/20

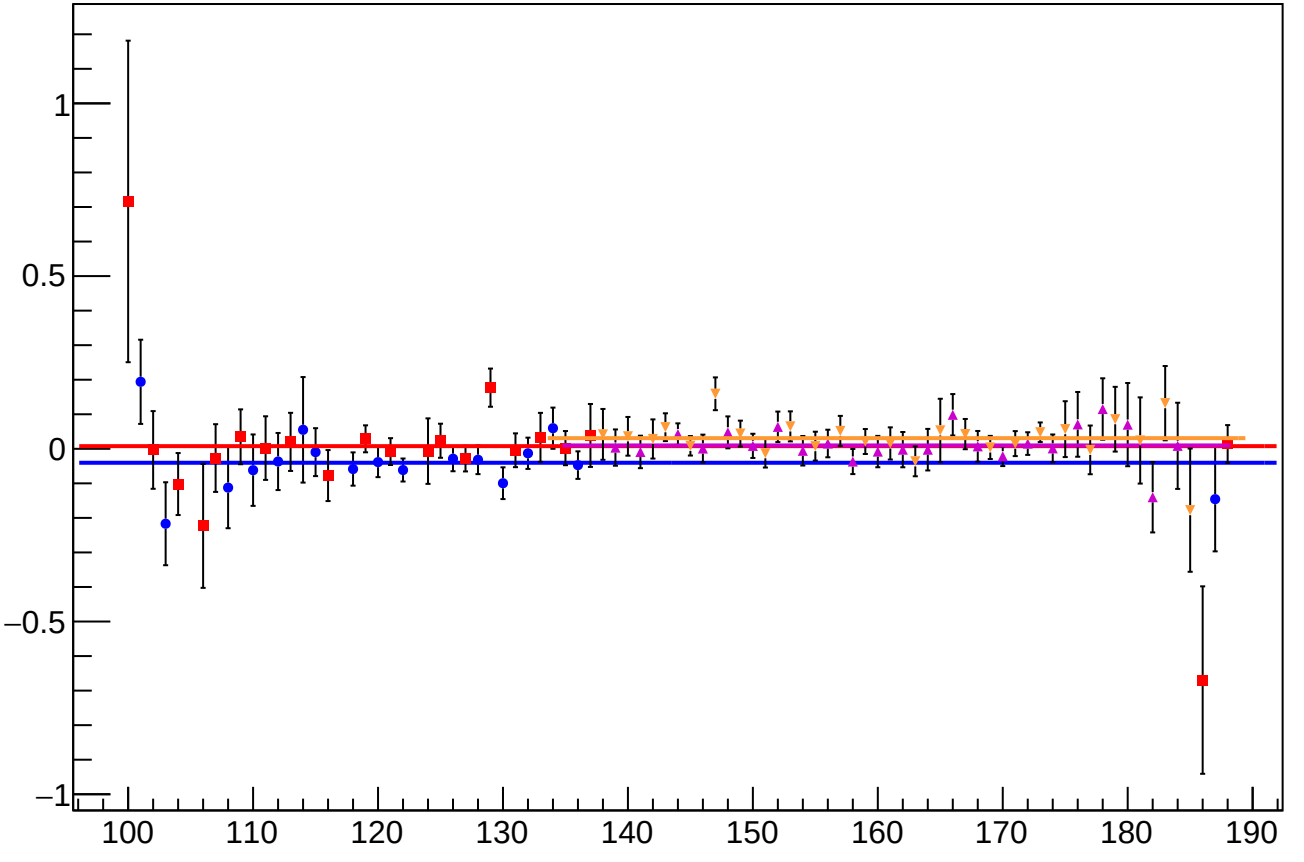
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5250317.0/41

All: 0.000+/-0.000 χ^2/NDF: 9769438.8/85

- sign 0.000+/-0.000 χ^2/NDF: 4470211.5/43

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.008+/-0.014 χ^2/NDF: 24.5/20

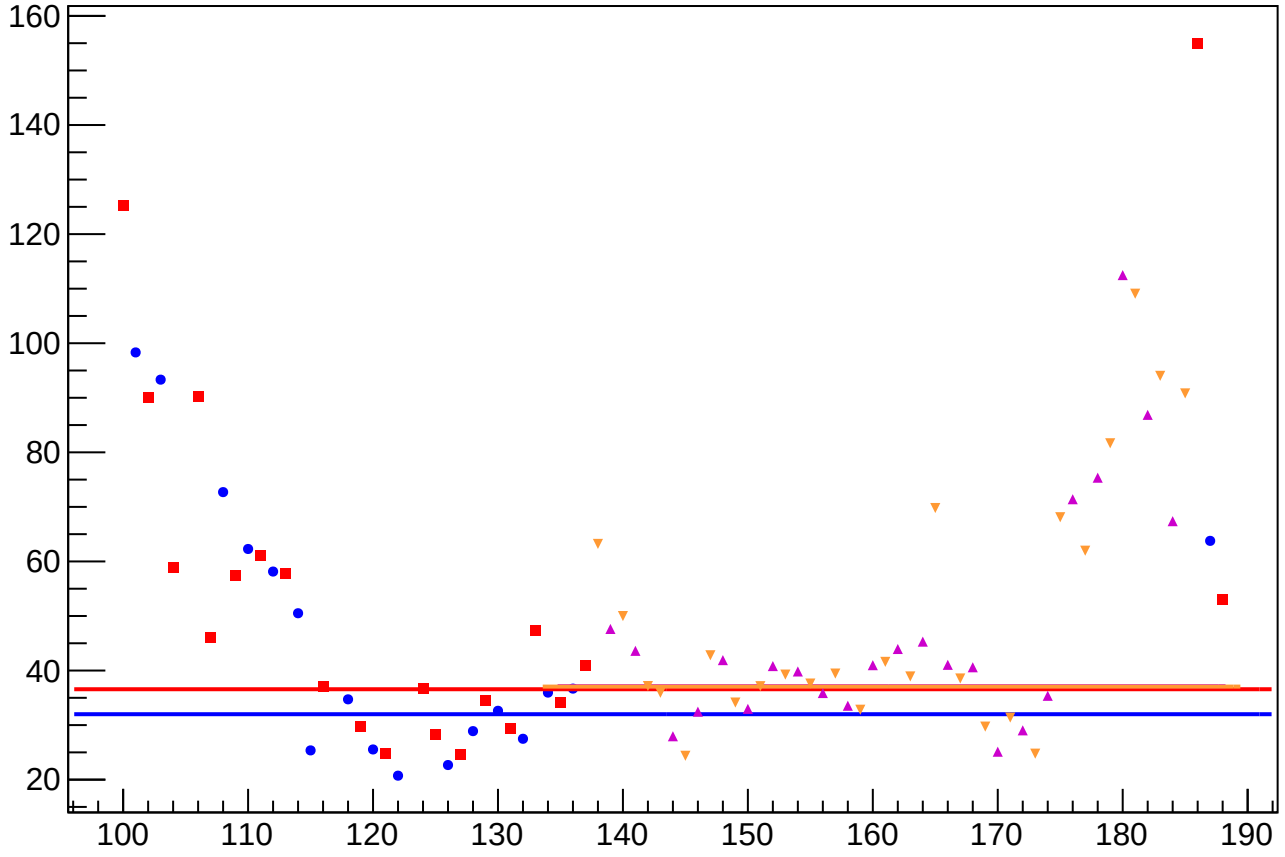
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.007 χ^2/NDF: 50.6/41

All: 0.008+/-0.005 χ^2/NDF: 88.4/85

- sign 0.009+/-0.008 χ^2/NDF: 37.8/43

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.996+/-0.009 χ^2/NDF: 2341492.1/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

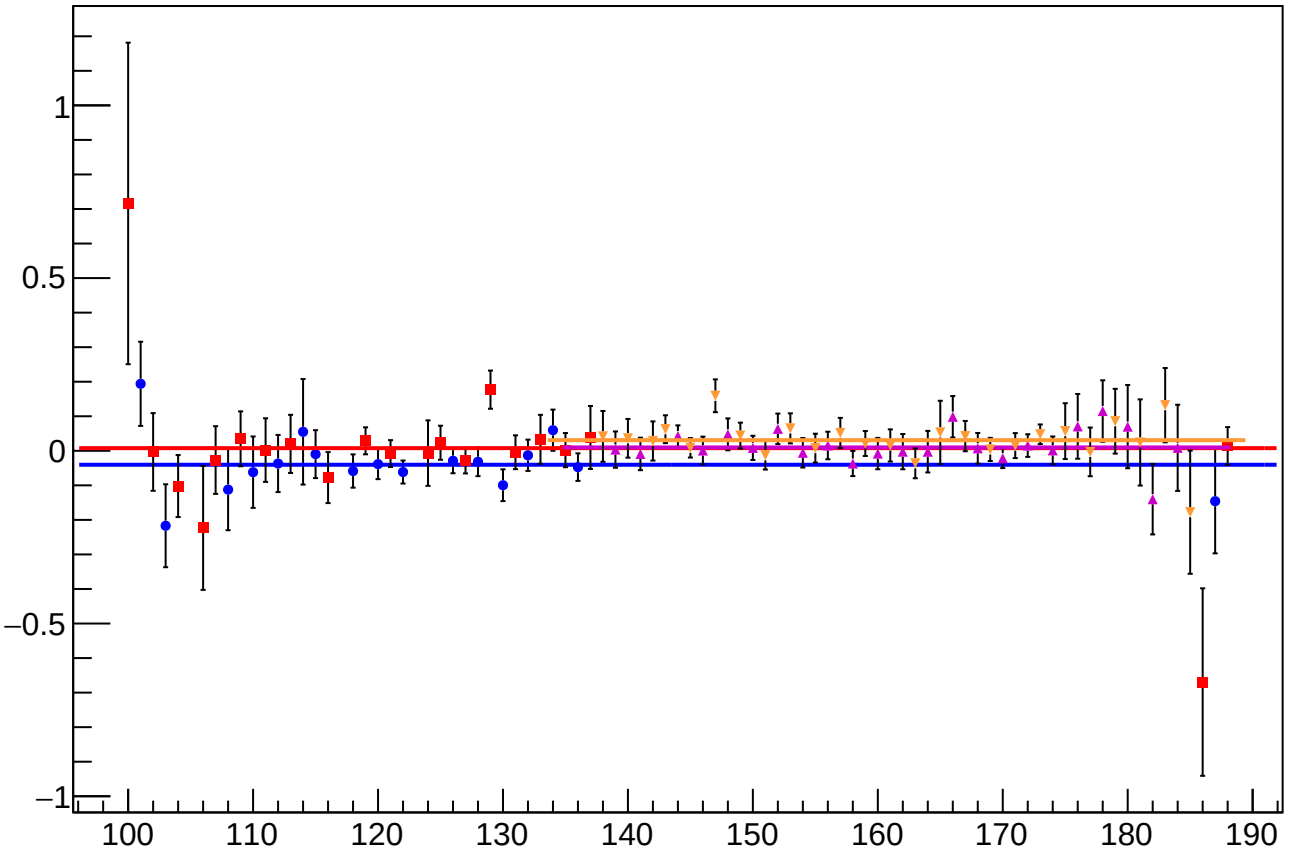
Right Out: 36.574+/-0.010 χ^2/NDF: 2427352.3/20

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.406+/-0.005 χ^2/NDF: 6595915.9/41

All: 36.153+/-0.004 χ^2/NDF: 12079425.1/85

- sign 36.950+/-0.005 χ^2/NDF: 5442366.3/43



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

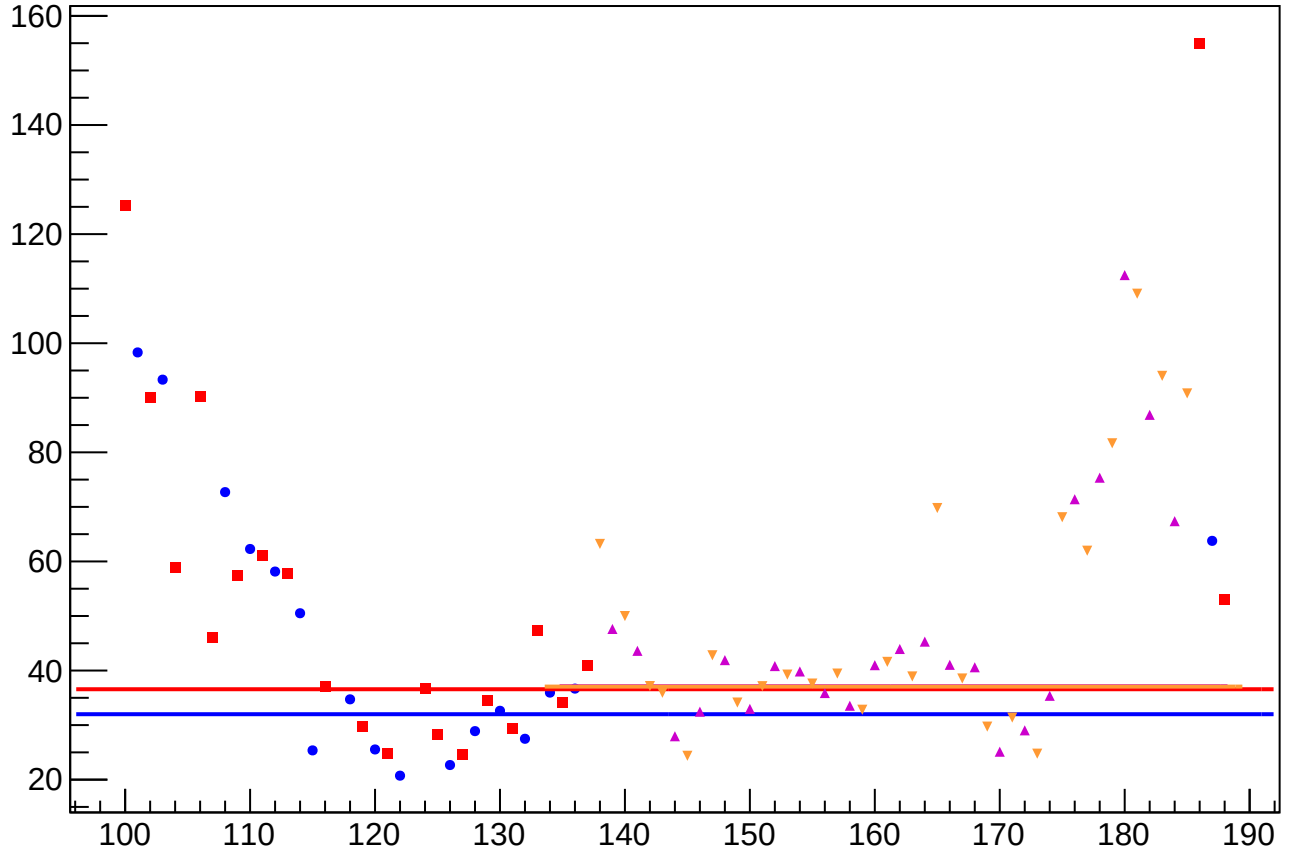
Right Out: 0.008+/-0.014 χ^2/NDF: 24.5/20

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.008+/-0.007 χ^2/NDF: 50.6/41

All: 0.008+/-0.005 χ^2/NDF: 88.4/85

\- sign 0.009+/-0.008 χ^2/NDF: 37.8/43



Right In: 31.996+/-0.009 χ^2/NDF: 2341492.1/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

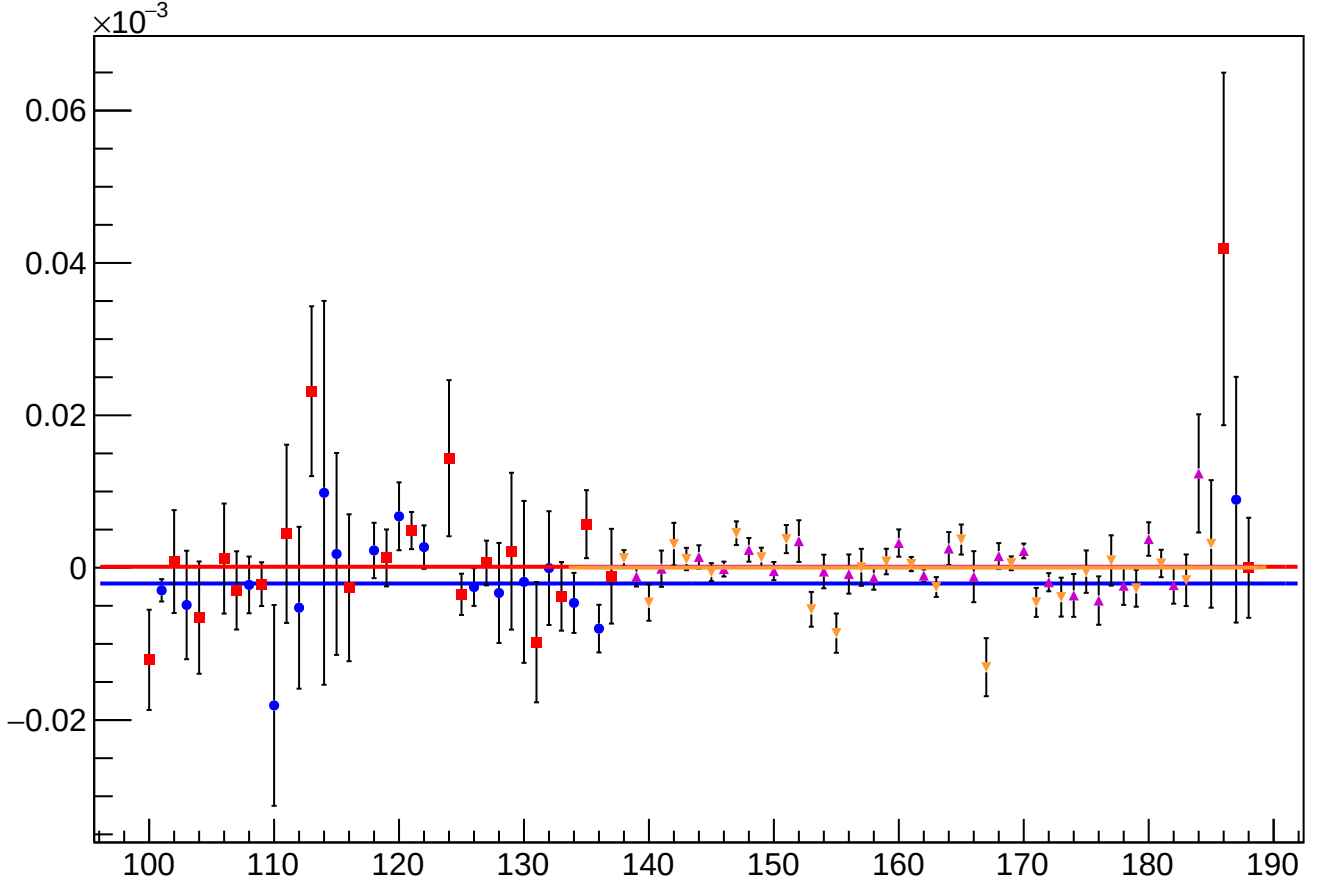
Right Out: 36.574+/-0.010 χ^2/NDF: 2427352.3/20

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.406+/-0.005 χ^2/NDF: 6595915.9/41

All: 36.153+/-0.004 χ^2/NDF: 12079425.1/85

- sign 36.950+/-0.005 χ^2/NDF: 5442366.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/20

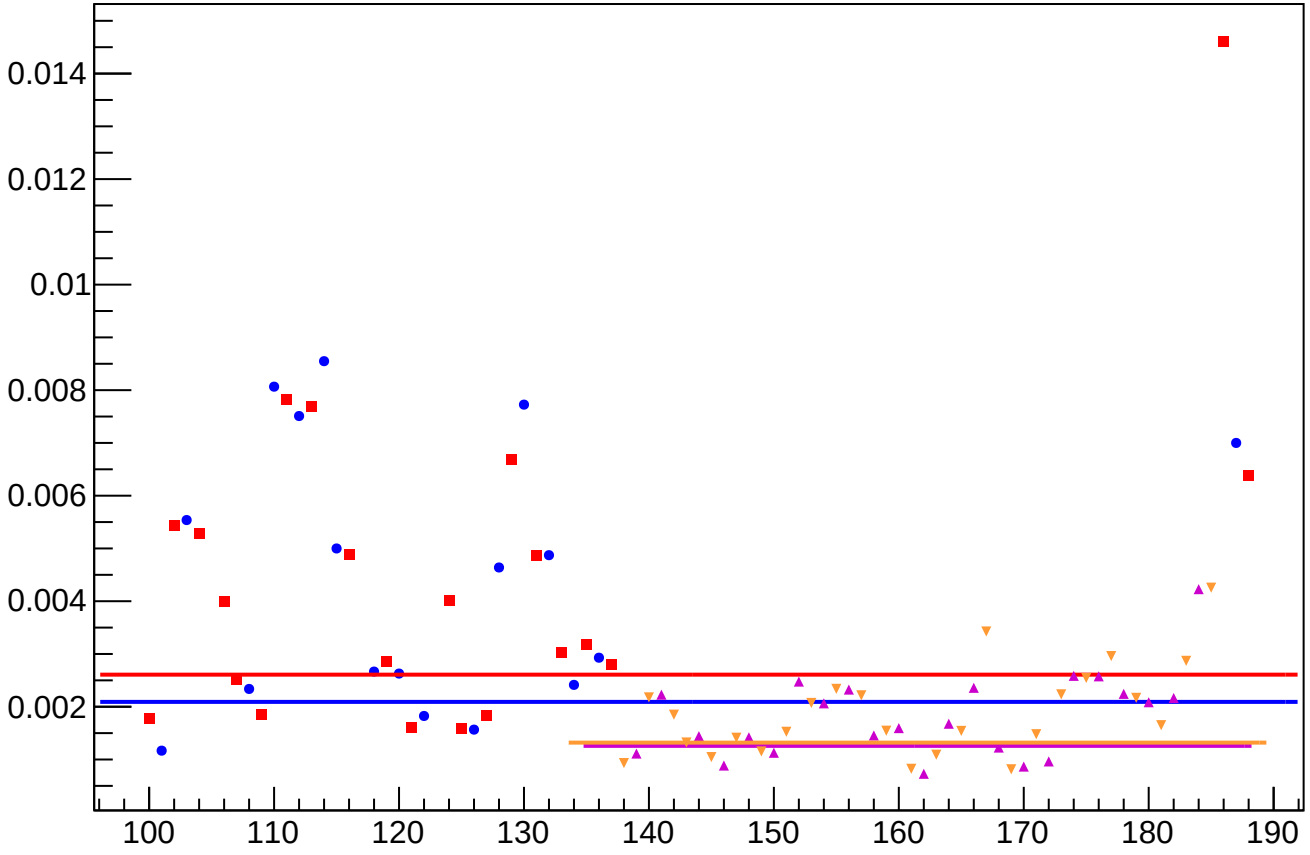
Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.5/41

All: -0.000+/-0.000 χ^2/NDF: 144.9/85

- sign 0.000+/-0.000 χ^2/NDF: 56.9/43

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4102508.2/16

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

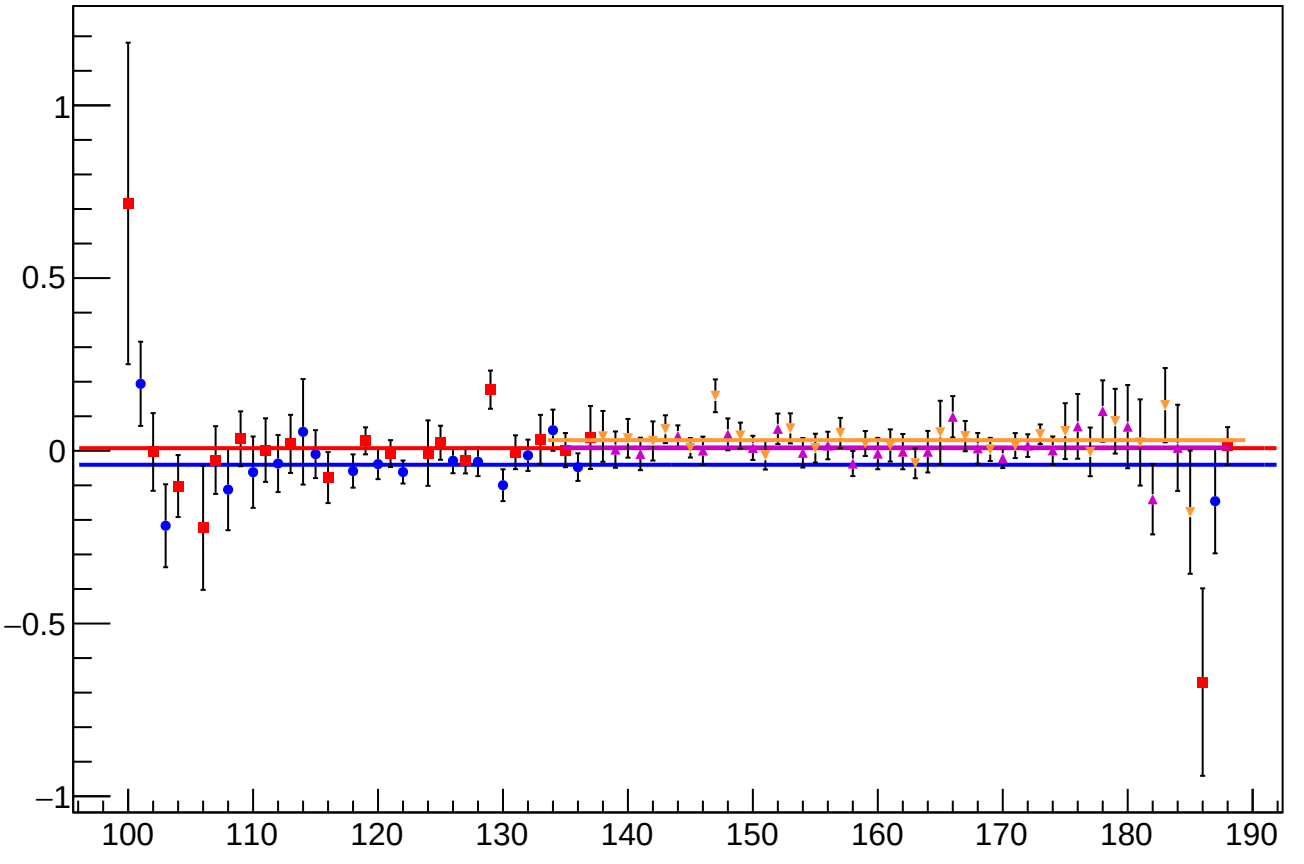
Right Out: 0.003+/-0.000 χ^2/NDF: 4315317.4/20

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 11010562.1/41

All: 0.001+/-0.000 χ^2/NDF: 23829517.8/85

- sign 0.001+/-0.000 χ^2/NDF: 12811164.4/43



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.008+/-0.014 χ^2/NDF: 24.5/20

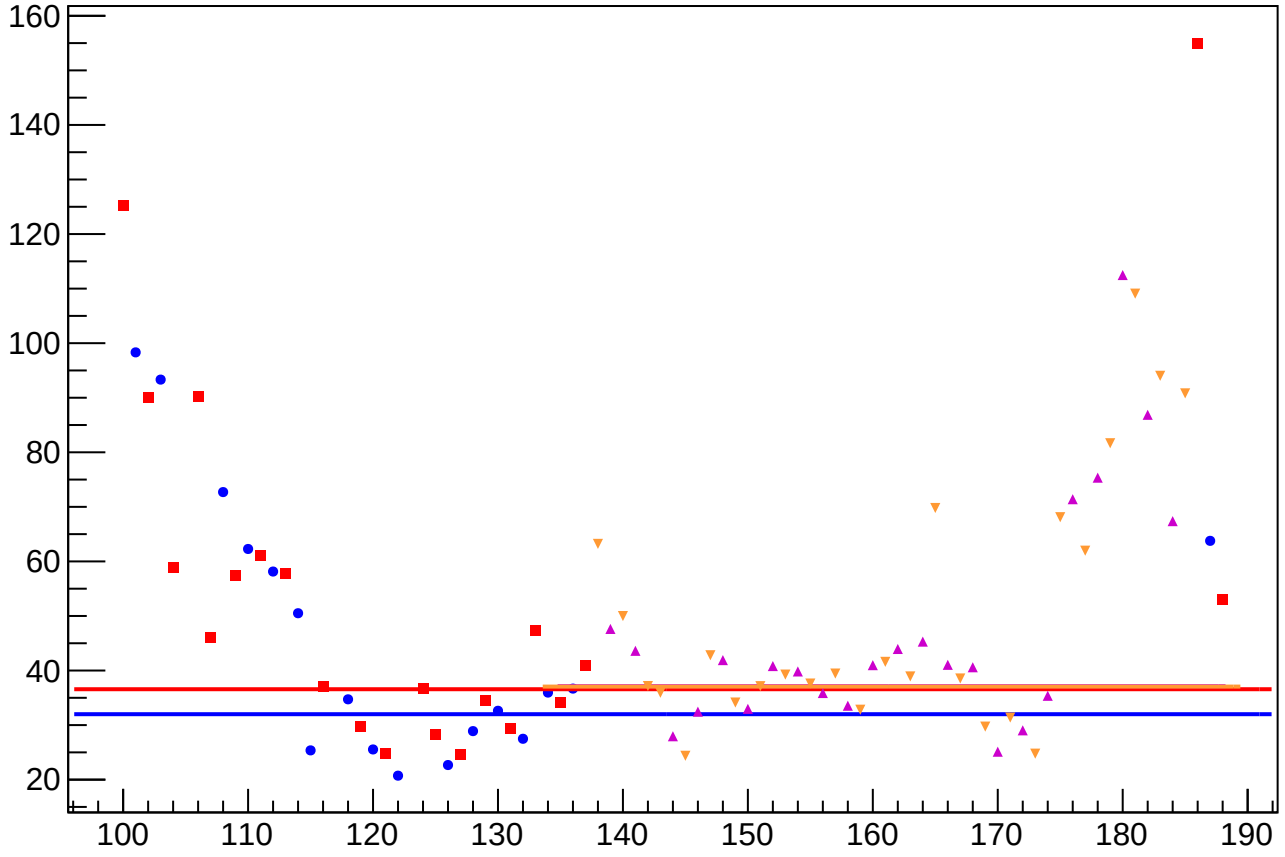
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.008+/-0.007 χ^2/NDF: 50.6/41

All: 0.008+/-0.005 χ^2/NDF: 88.4/85

\- sign 0.009+/-0.008 χ^2/NDF: 37.8/43

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.997+/-0.009 χ^2/NDF: 2341458.5/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

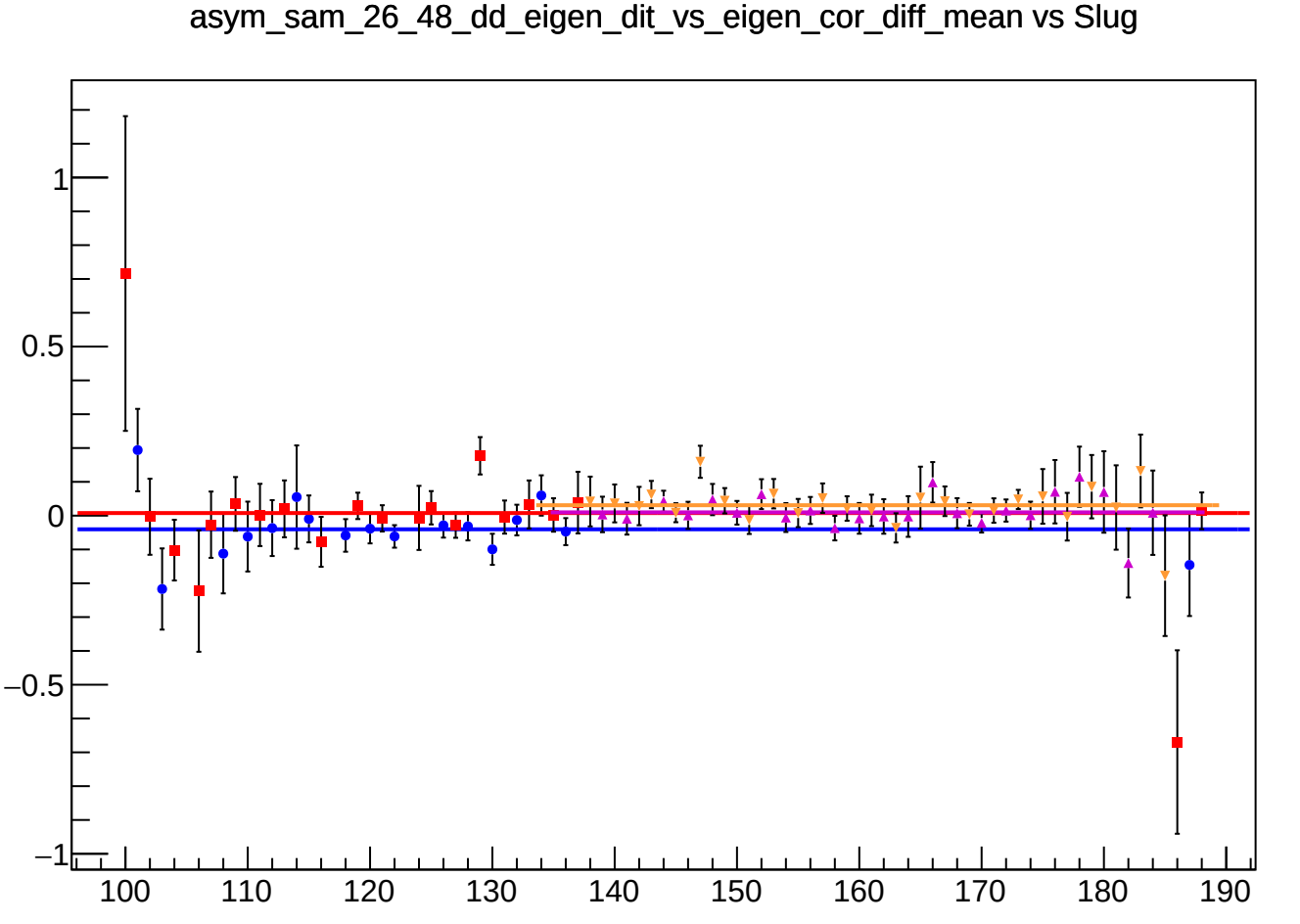
Right Out: 36.574+/-0.010 χ^2/NDF: 2427194.9/20

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.406+/-0.005 χ^2/NDF: 6595858.7/41

All: 36.153+/-0.004 χ^2/NDF: 12079177.7/85

- sign 36.950+/-0.005 χ^2/NDF: 5442176.4/43



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

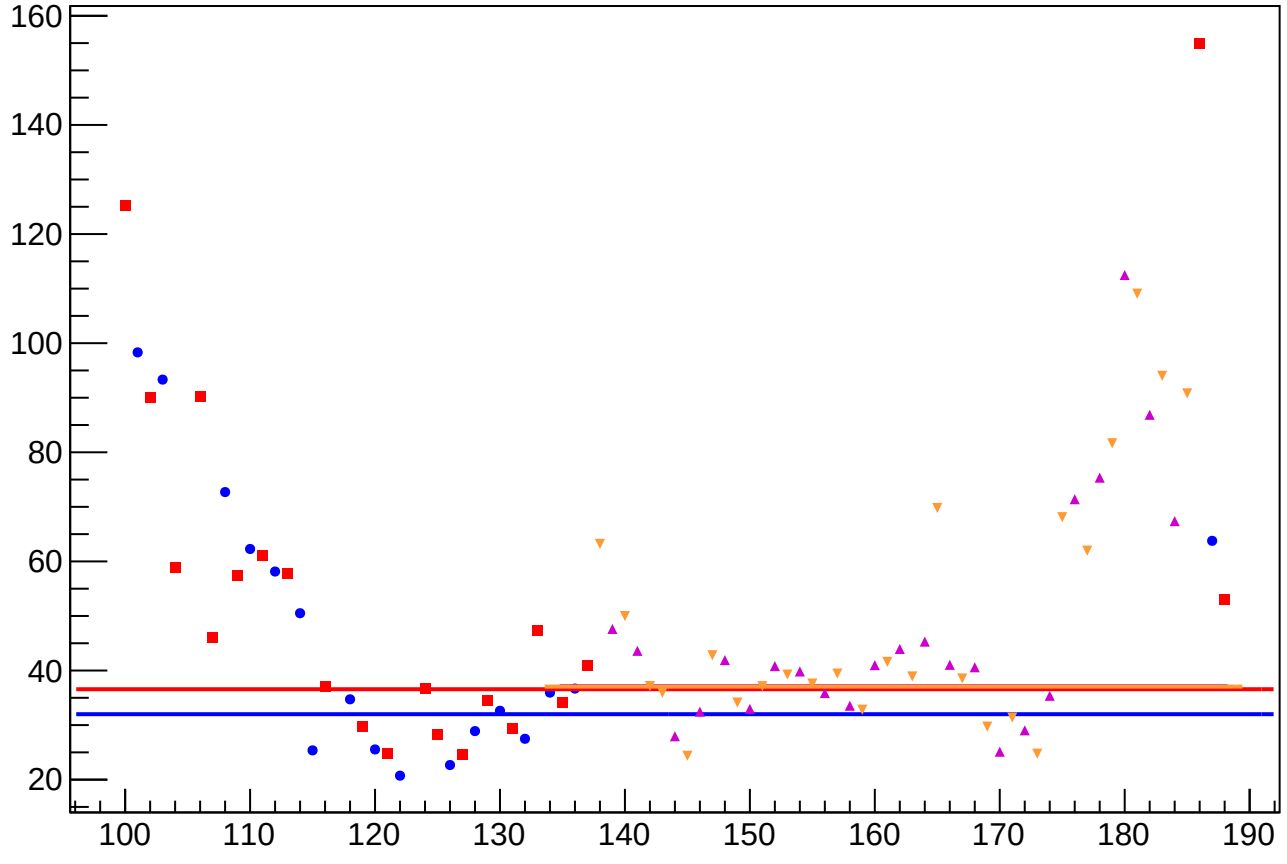
Right Out: 0.008+/-0.014 χ^2/NDF: 24.5/20

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.008+/-0.007 χ^2/NDF: 50.6/41

All: 0.008+/-0.005 χ^2/NDF: 88.4/85

\- sign 0.009+/-0.008 χ^2/NDF: 37.8/43



Right In: 31.997+/-0.009 χ^2/NDF: 2341458.5/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

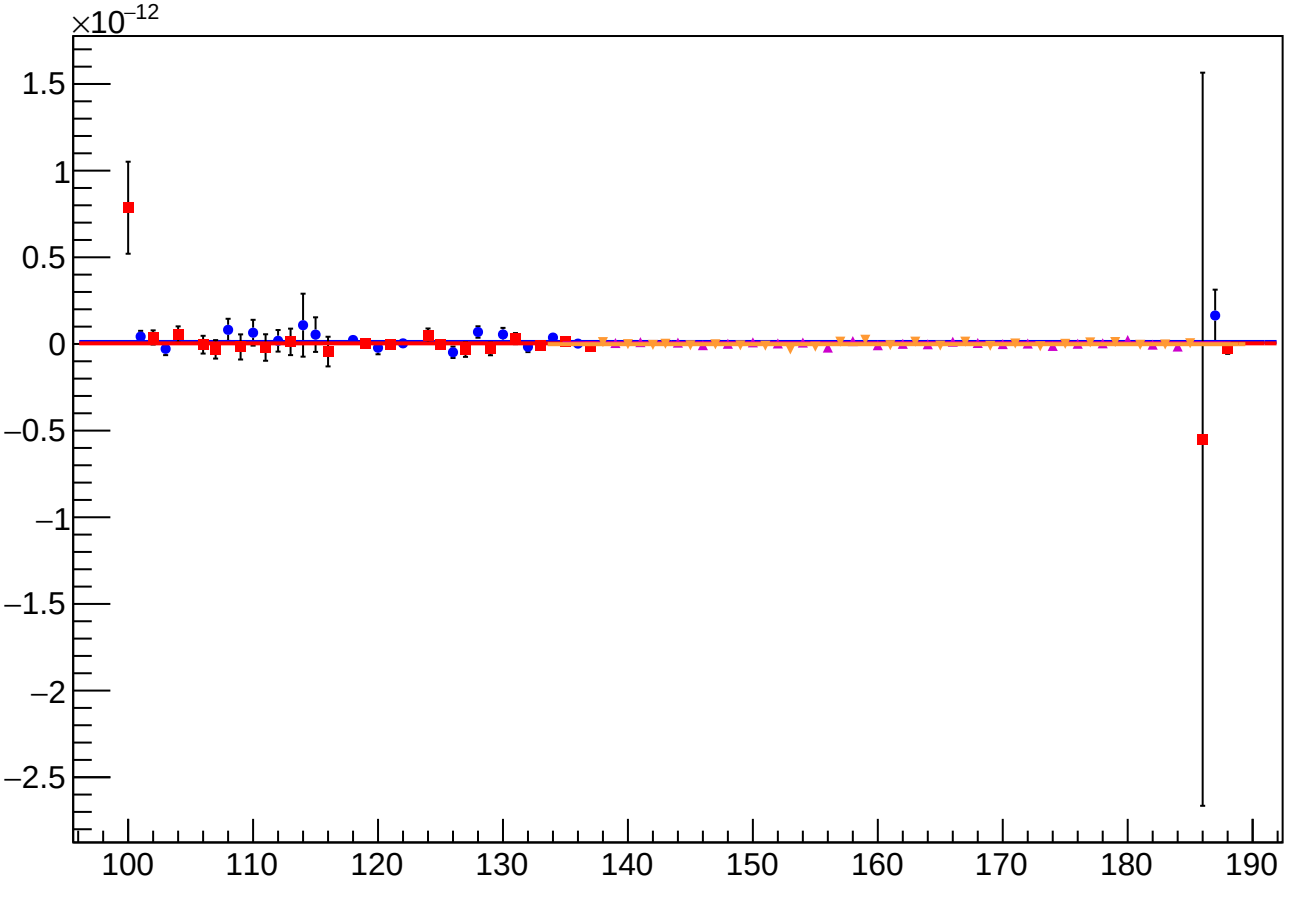
Right Out: 36.574+/-0.010 χ^2/NDF: 2427194.9/20

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.406+/-0.005 χ^2/NDF: 6595858.7/41

All: 36.153+/-0.004 χ^2/NDF: 12079177.7/85

- sign 36.950+/-0.005 χ^2/NDF: 5442176.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

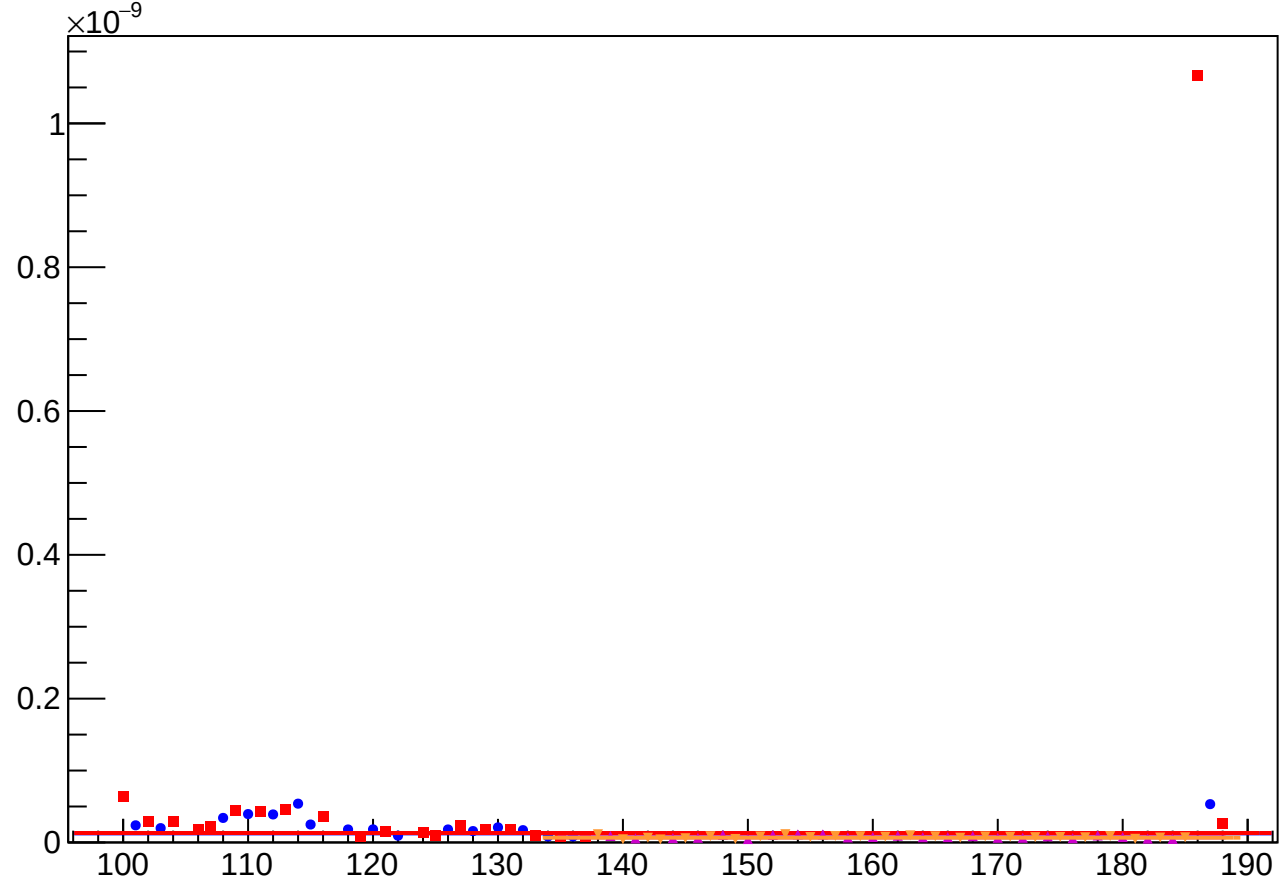
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/20

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.5/41

All: 0.000+/-0.000 χ^2/NDF: 88.0/85

- sign 0.000+/-0.000 χ^2/NDF: 38.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 2313535.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3583158.5/20

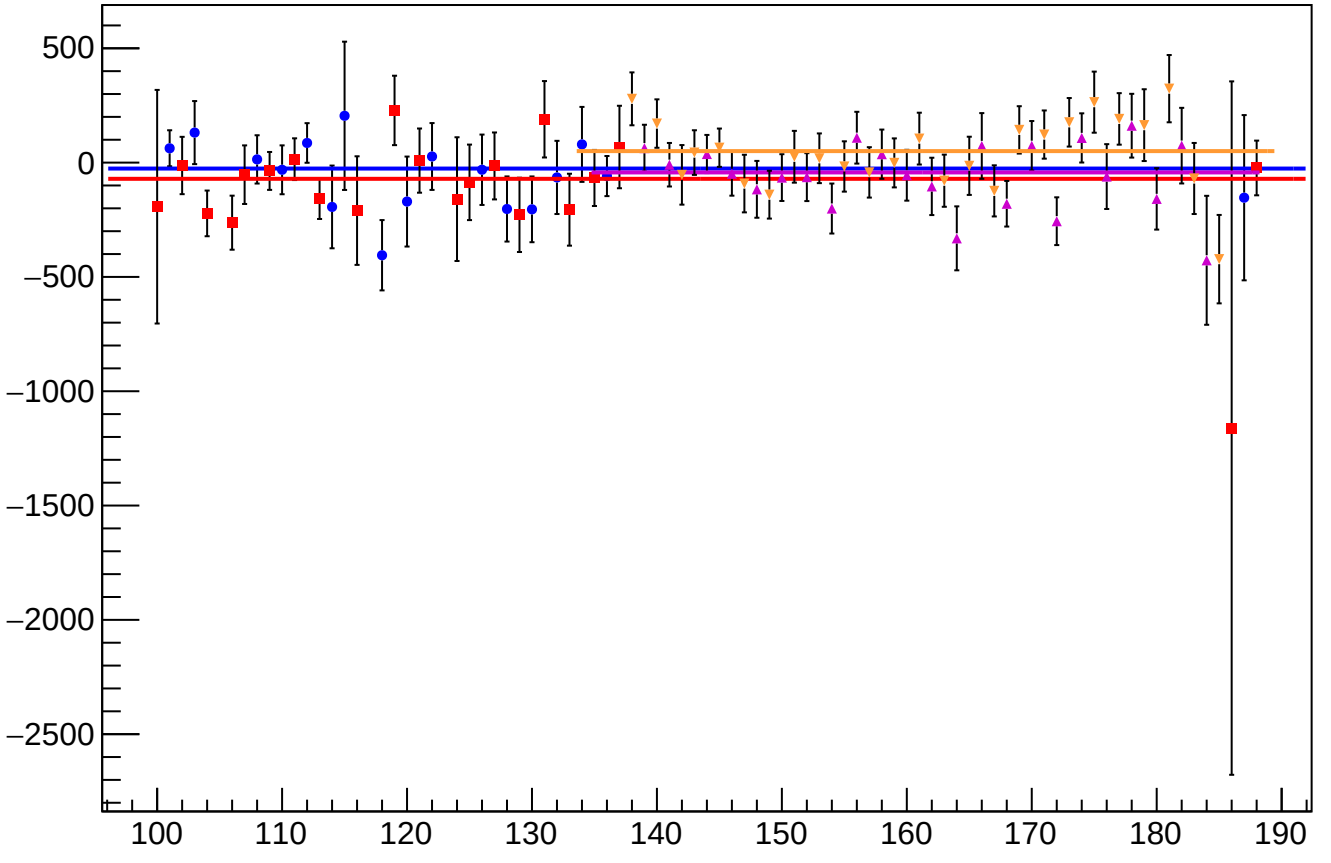
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5842654.0/41

All: 0.000+/-0.000 χ^2/NDF: 12483851.0/85

- sign 0.000+/-0.000 χ^2/NDF: 6578627.8/43

reg_asym_sam_1548_avg_mean vs Slug



Right In: -26.024+/-31.114 χ^2/NDF: 16.3/16

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -70.911+/-29.034 χ^2/NDF: 17.5/20

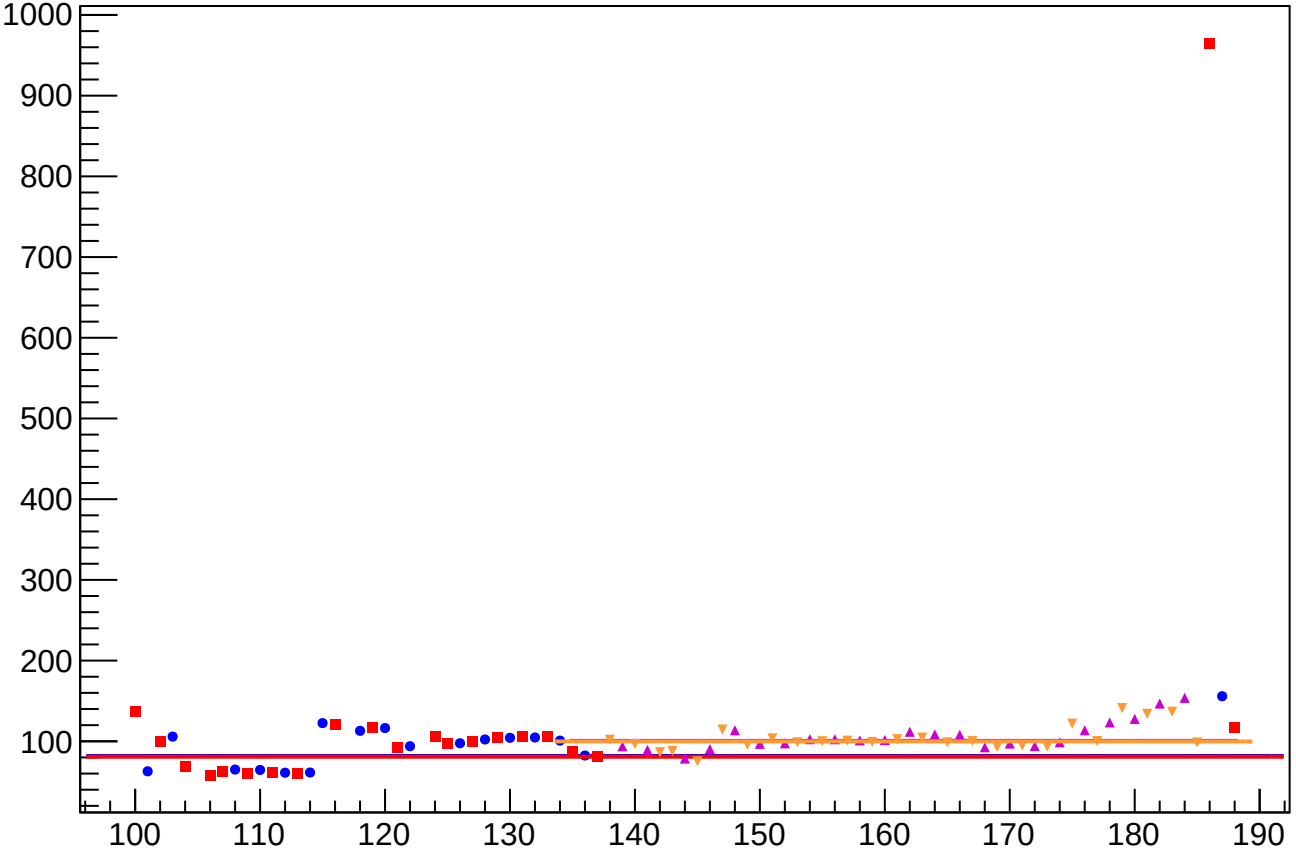
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.403+/-18.473 χ^2/NDF: 53.7/41

All: -15.584+/-13.032 χ^2/NDF: 107.2/85

- sign -54.209+/-18.387 χ^2/NDF: 44.6/43

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.763+/-0.022 χ^2/NDF: 872344.9/16

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 80.898+/-0.021 χ^2/NDF: 1810295.1/20

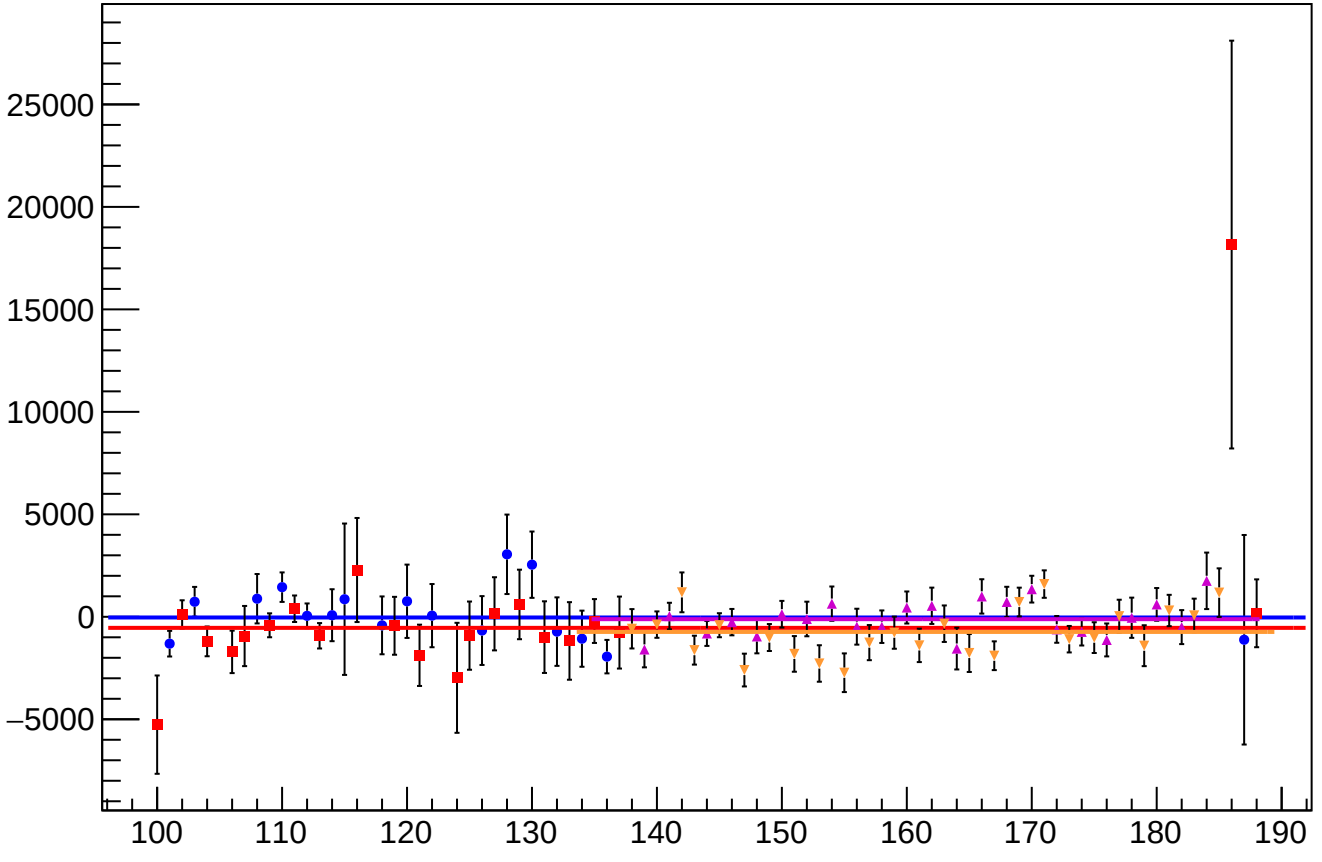
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.467+/-0.013 χ^2/NDF: 2007194.5/41

All: 93.050+/-0.009 χ^2/NDF: 5022258.4/85

- sign 92.637+/-0.013 χ^2/NDF: 3013038.6/43

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -33.153+/-256.675 χ^2/NDF: 21.9/16

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -539.391+/-235.988 χ^2/NDF: 17.0/20

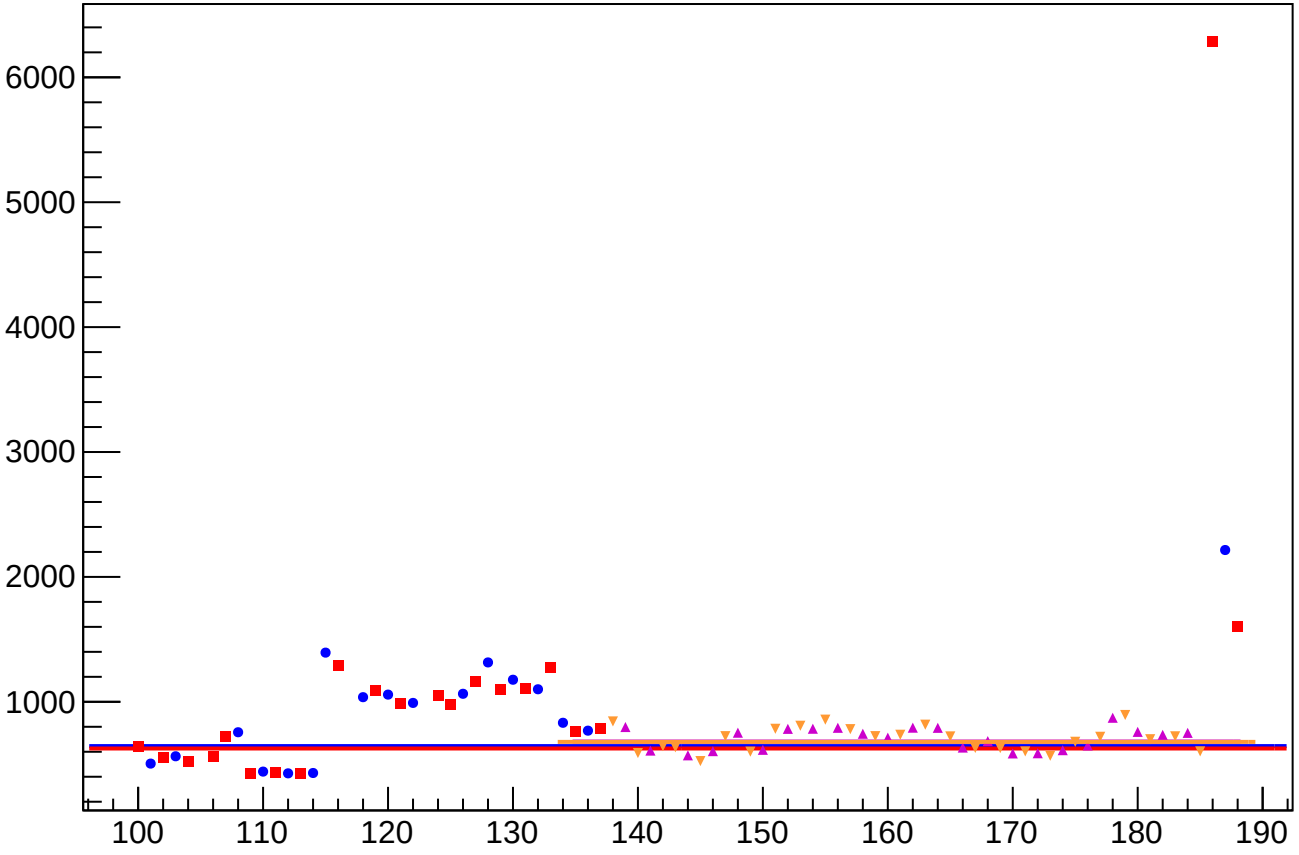
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -547.582+/-133.503 χ^2/NDF: 77.1/41

All: -398.328+/-94.219 χ^2/NDF: 122.6/85

- sign -250.218+/-132.991 χ^2/NDF: 43.0/43

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 645.466+/-0.181 χ^2/NDF: 2064079.2/16

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 626.148+/-0.167 χ^2/NDF: 3431189.9/20

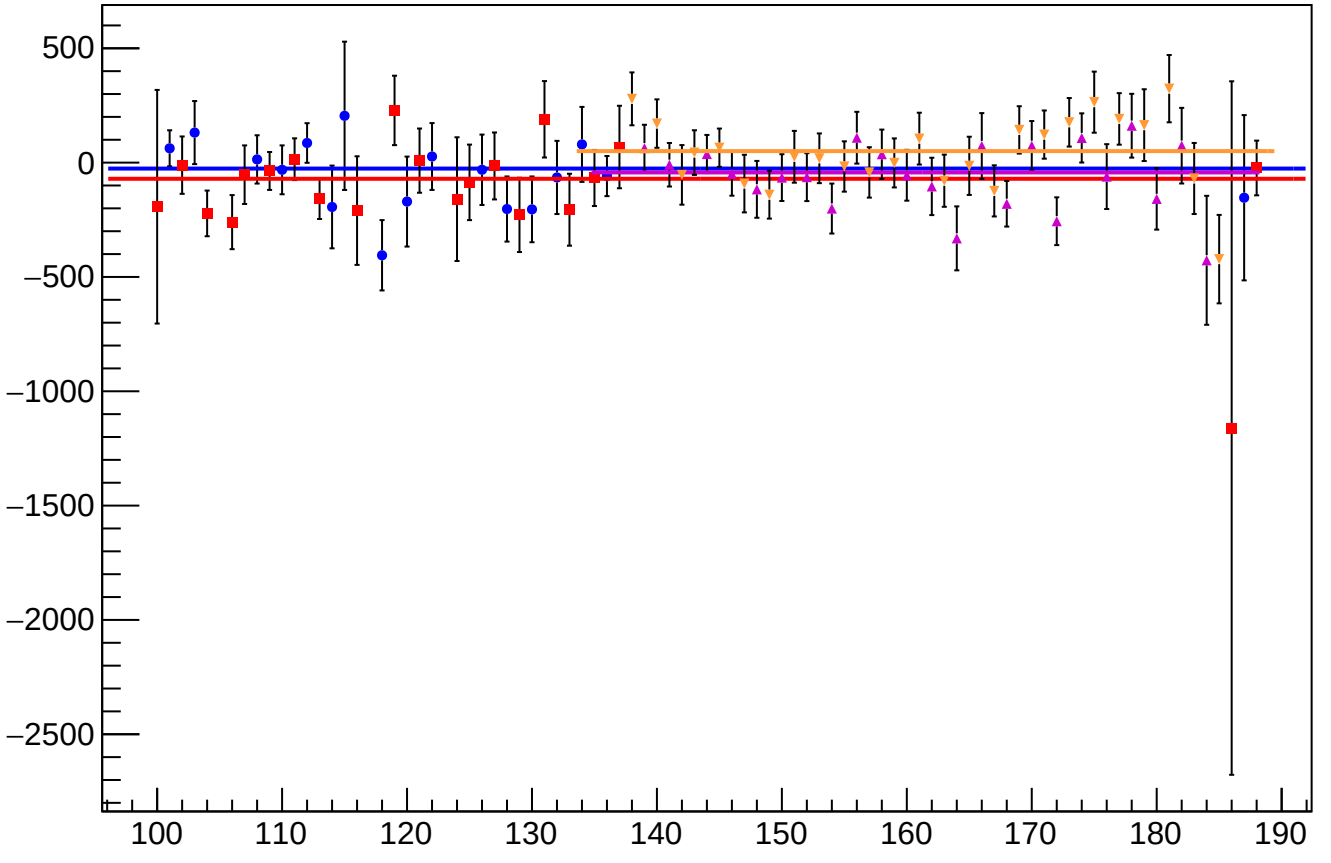
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 670.035+/-0.094 χ^2/NDF: 2826618.7/41

All: 667.101+/-0.067 χ^2/NDF: 6909702.2/85

- sign 664.189+/-0.094 χ^2/NDF: 4081159.0/43

cor_asym_sam_1548_avg_mean vs Slug



Right In: -26.028+/-31.114 χ^2/NDF: 16.3/16

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -70.660+/-29.036 χ^2/NDF: 17.4/20

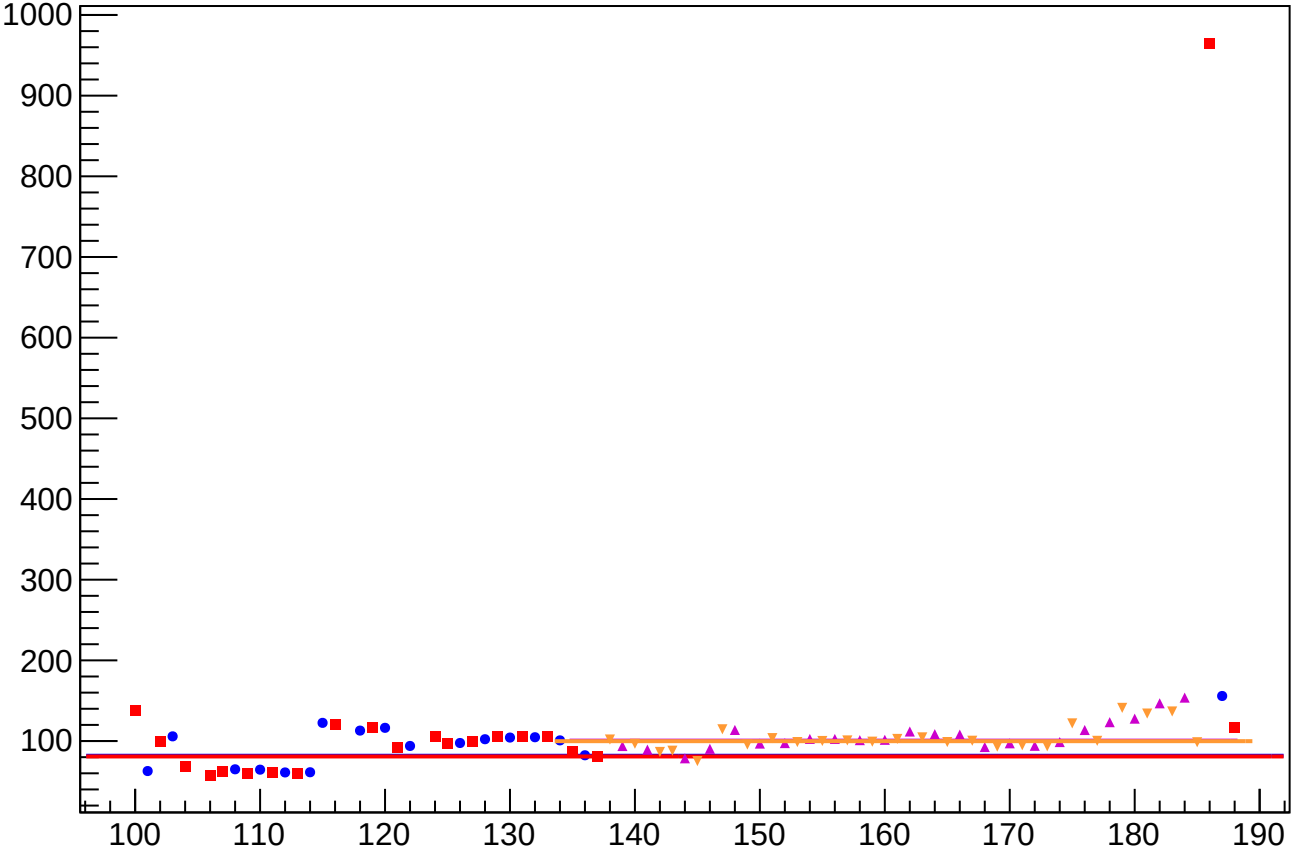
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.408+/-18.473 χ^2/NDF: 53.7/41

All: -15.530+/-13.032 χ^2/NDF: 107.1/85

- sign -54.108+/-18.387 χ^2/NDF: 44.6/43

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.763+/-0.022 χ^2/NDF: 872347.2/16

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 80.881+/-0.021 χ^2/NDF: 1812648.0/20

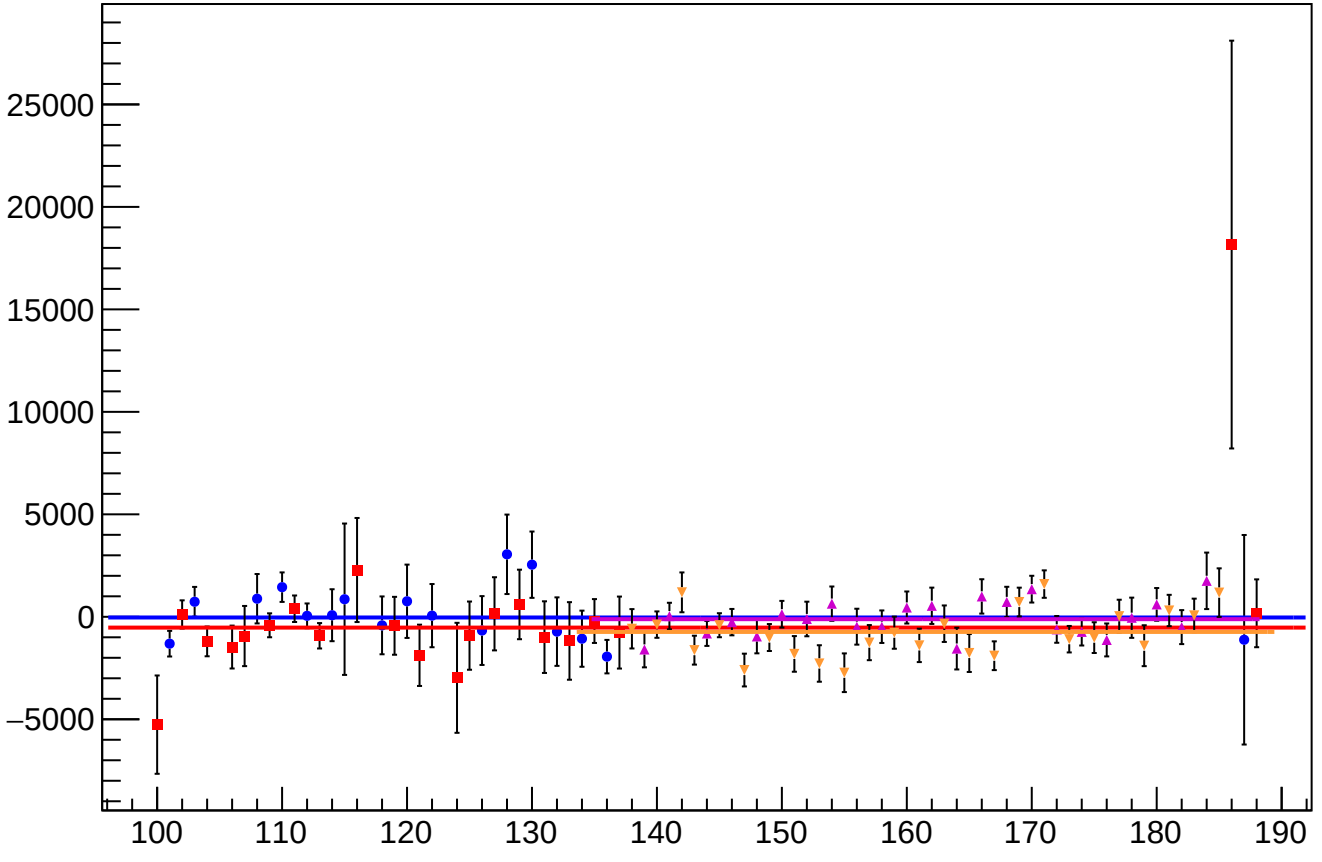
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.467+/-0.013 χ^2/NDF: 2007195.9/41

All: 93.047+/-0.009 χ^2/NDF: 5025566.9/85

- sign 92.631+/-0.013 χ^2/NDF: 3016314.5/43

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -33.180+/-256.678 χ^2/NDF: 21.9/16

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -526.688+/-236.132 χ^2/NDF: 16.5/20

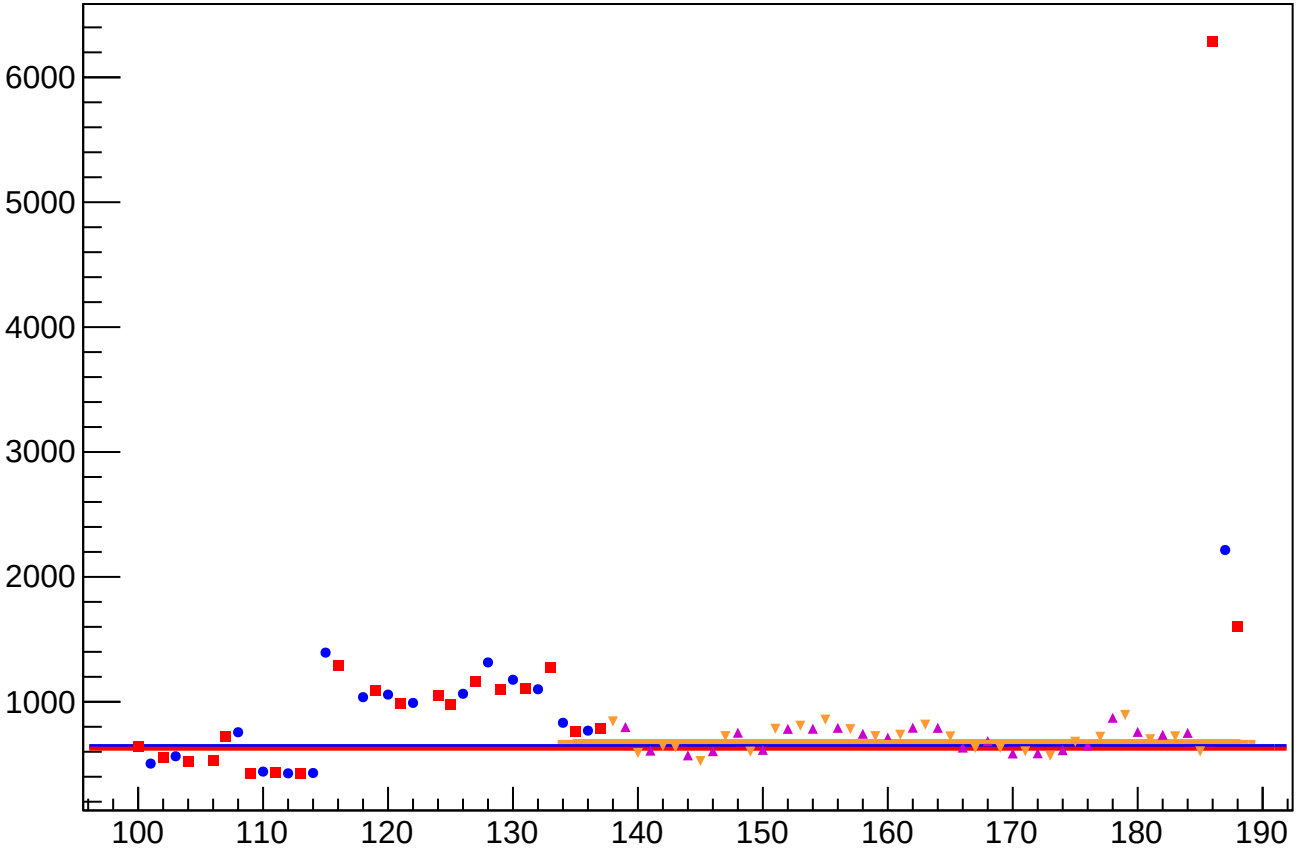
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -547.584+/-133.504 χ^2/NDF: 77.1/41

All: -396.278+/-94.229 χ^2/NDF: 122.0/85

- sign -246.075+/-133.017 χ^2/NDF: 42.3/43

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 645.475+/-0.181 χ^2/NDF: 2064036.0/16

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 624.534+/-0.167 χ^2/NDF: 3440865.2/20

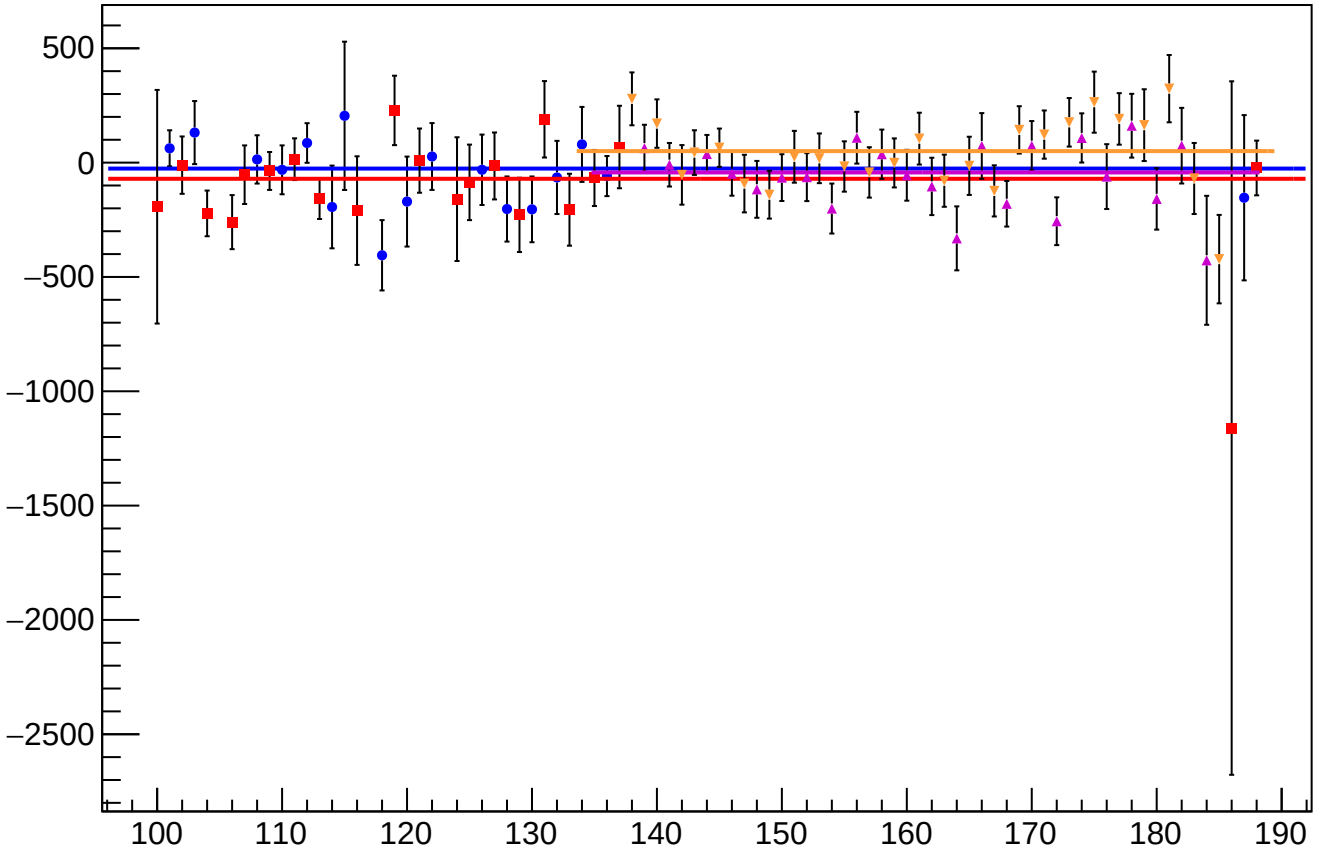
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 670.037+/-0.094 χ^2/NDF: 2826560.6/41

All: 666.853+/-0.067 χ^2/NDF: 6924072.4/85

- sign 663.692+/-0.094 χ^2/NDF: 4095244.2/43

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -26.028+/-31.114 χ^2/NDF: 16.3/16

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -70.660+/-29.036 χ^2/NDF: 17.4/20

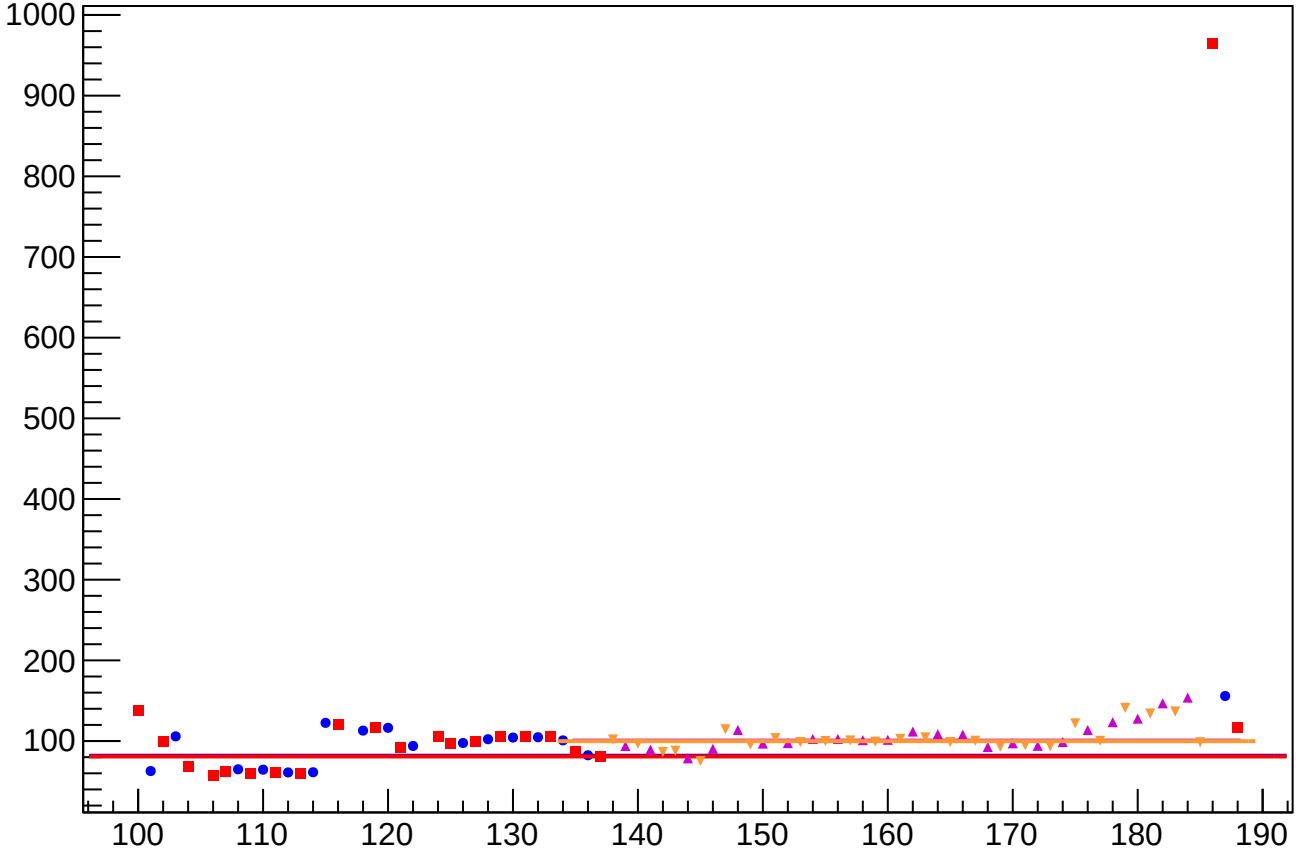
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.408+/-18.473 χ^2/NDF: 53.7/41

All: -15.530+/-13.032 χ^2/NDF: 107.1/85

- sign -54.108+/-18.387 χ^2/NDF: 44.6/43

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.763+/-0.022 χ^2/NDF: 872347.2/16

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

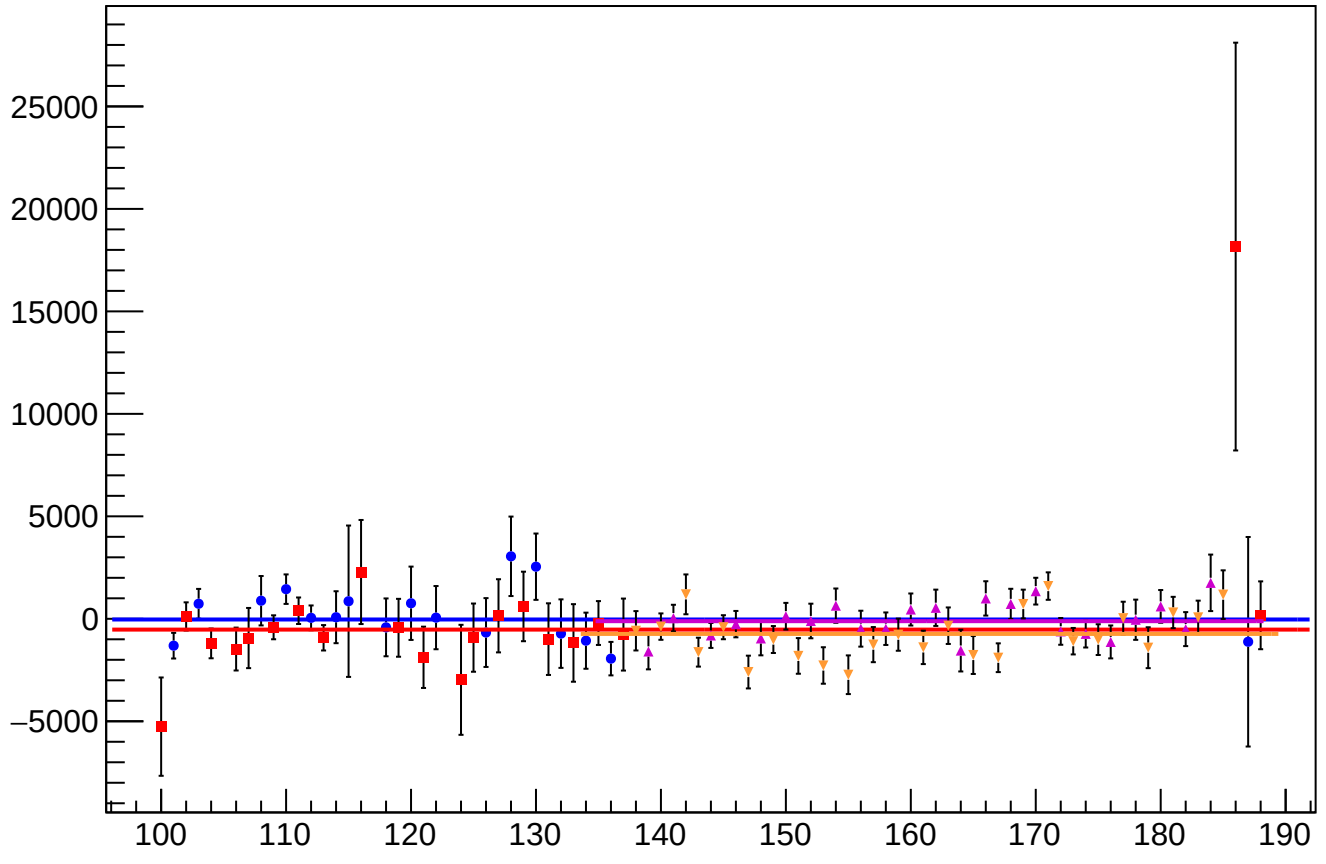
Right Out: 80.881+/-0.021 χ^2/NDF: 1812648.0/20

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.467+/-0.013 χ^2/NDF: 2007195.9/41

All: 93.047+/-0.009 χ^2/NDF: 5025566.9/85

- sign 92.631+/-0.013 χ^2/NDF: 3016314.5/43



Right In: -33.180+/-256.678 χ^2/NDF: 21.9/16

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -526.688+/-236.132 χ^2/NDF: 16.5/20

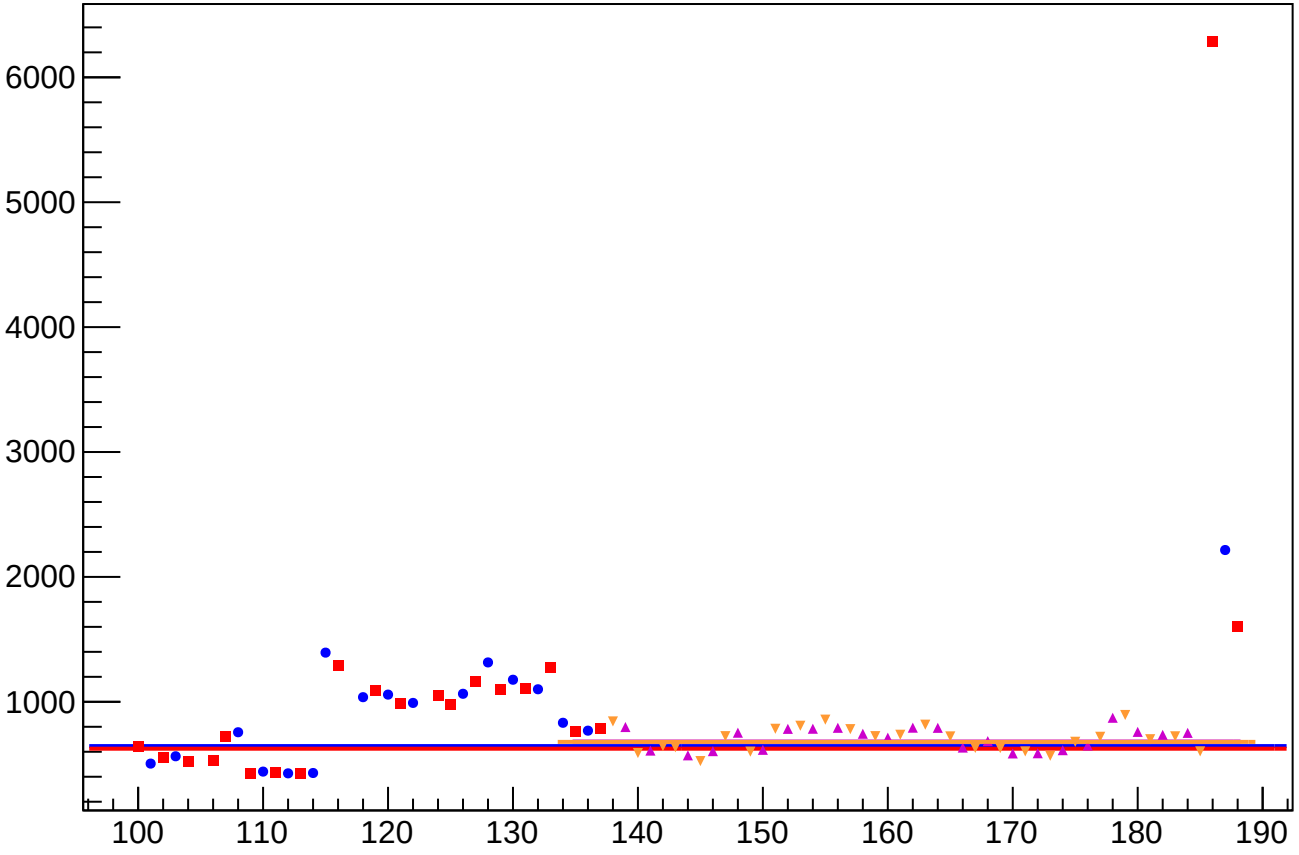
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -547.584+/-133.504 χ^2/NDF: 77.1/41

All: -396.278+/-94.229 χ^2/NDF: 122.0/85

- sign -246.075+/-133.017 χ^2/NDF: 42.3/43

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 645.475+/-0.181 χ^2/NDF: 2064036.0/16

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 624.534+/-0.167 χ^2/NDF: 3440865.2/20

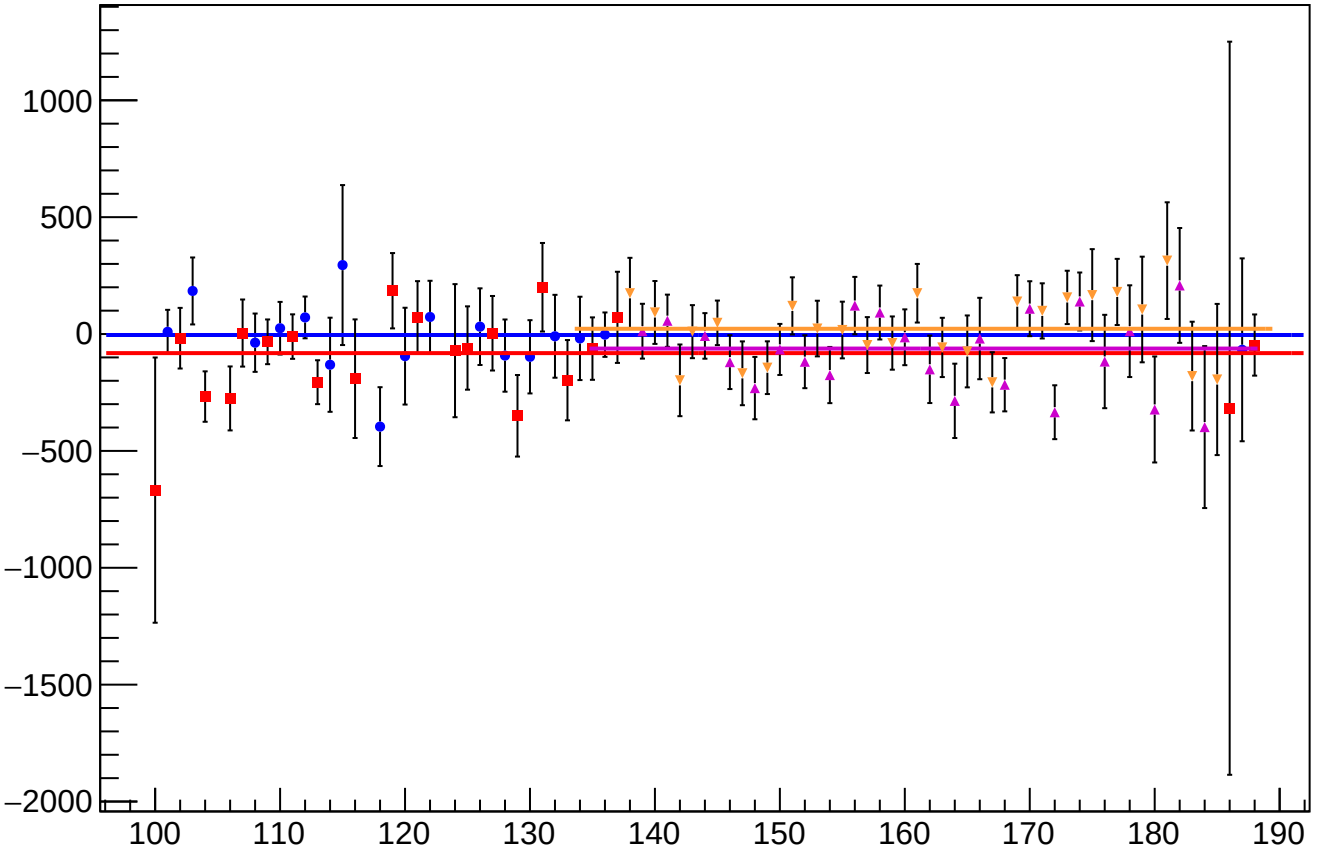
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 670.037+/-0.094 χ^2/NDF: 2826560.6/41

All: 666.853+/-0.067 χ^2/NDF: 6924072.4/85

- sign 663.692+/-0.094 χ^2/NDF: 4095244.2/43

dit_asym_sam_1548_avg_mean vs Slug



Right In: -4.118+/-34.023 χ^2/NDF: 10.4/16

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -81.631+/-31.657 χ^2/NDF: 19.2/20

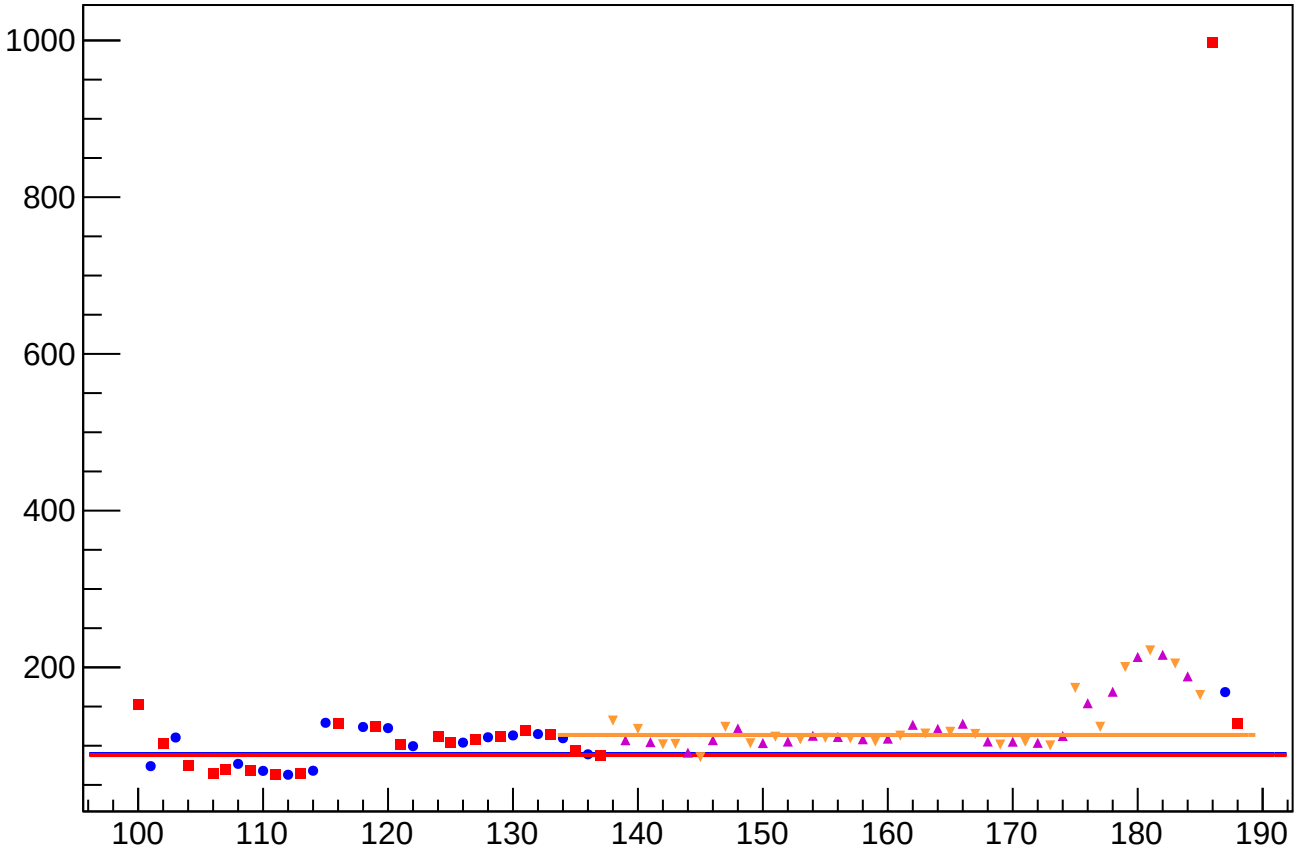
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 12.408+/-20.977 χ^2/NDF: 32.3/41

All: -29.606+/-14.731 χ^2/NDF: 87.0/85

- sign -70.483+/-20.691 χ^2/NDF: 46.7/43

dit_asym_sam_1548_avg_rms vs Slug



Right In: 89.416+/-0.024 χ^2/NDF: 806827.7/16

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 88.091+/-0.022 χ^2/NDF: 1756553.8/20

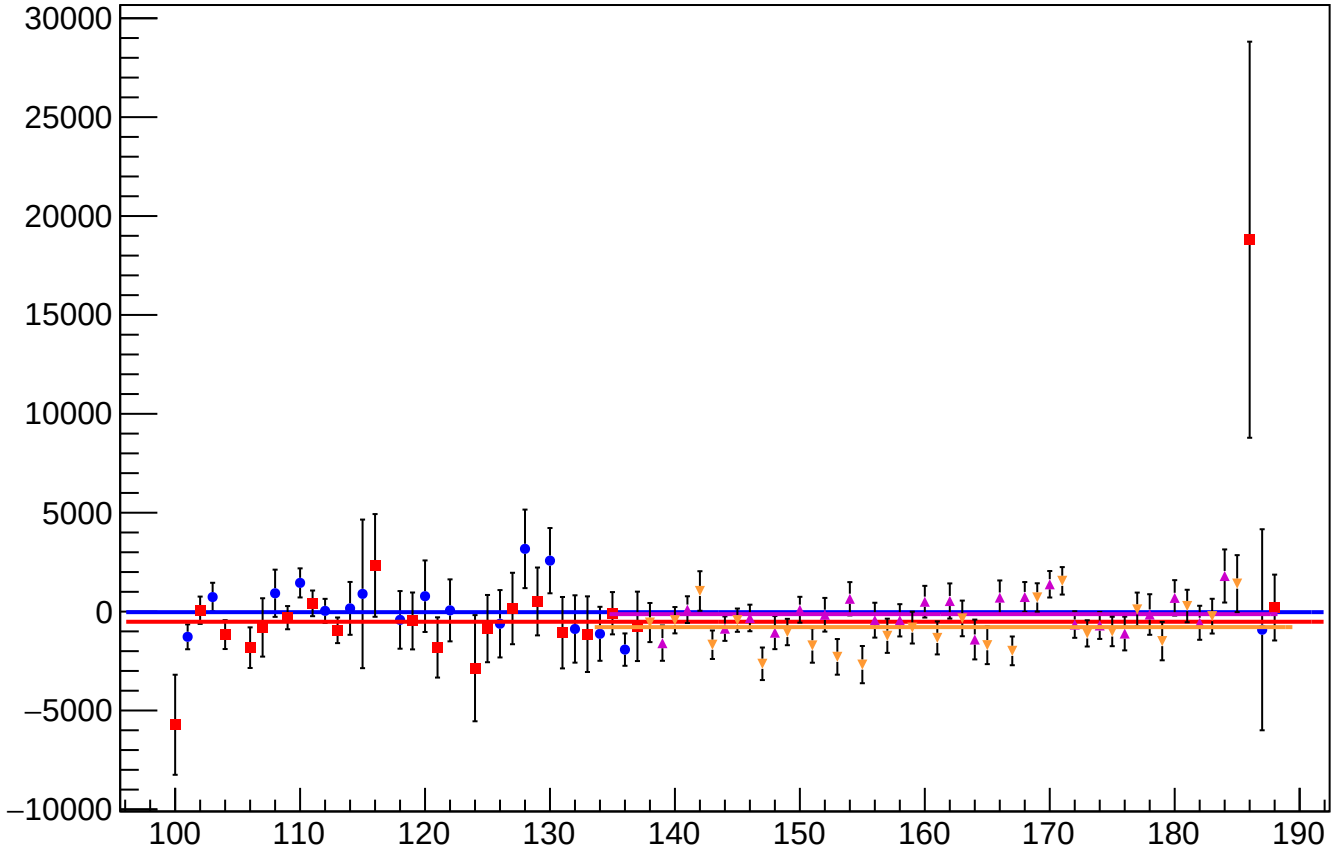
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 104.510+/-0.015 χ^2/NDF: 3021792.1/41

All: 103.616+/-0.010 χ^2/NDF: 6849883.4/85

- sign 102.747+/-0.015 χ^2/NDF: 3820929.5/43

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -28.089+/-259.064 χ^2/NDF: 21.6/16

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -513.343+/-238.677 χ^2/NDF: 17.6/20

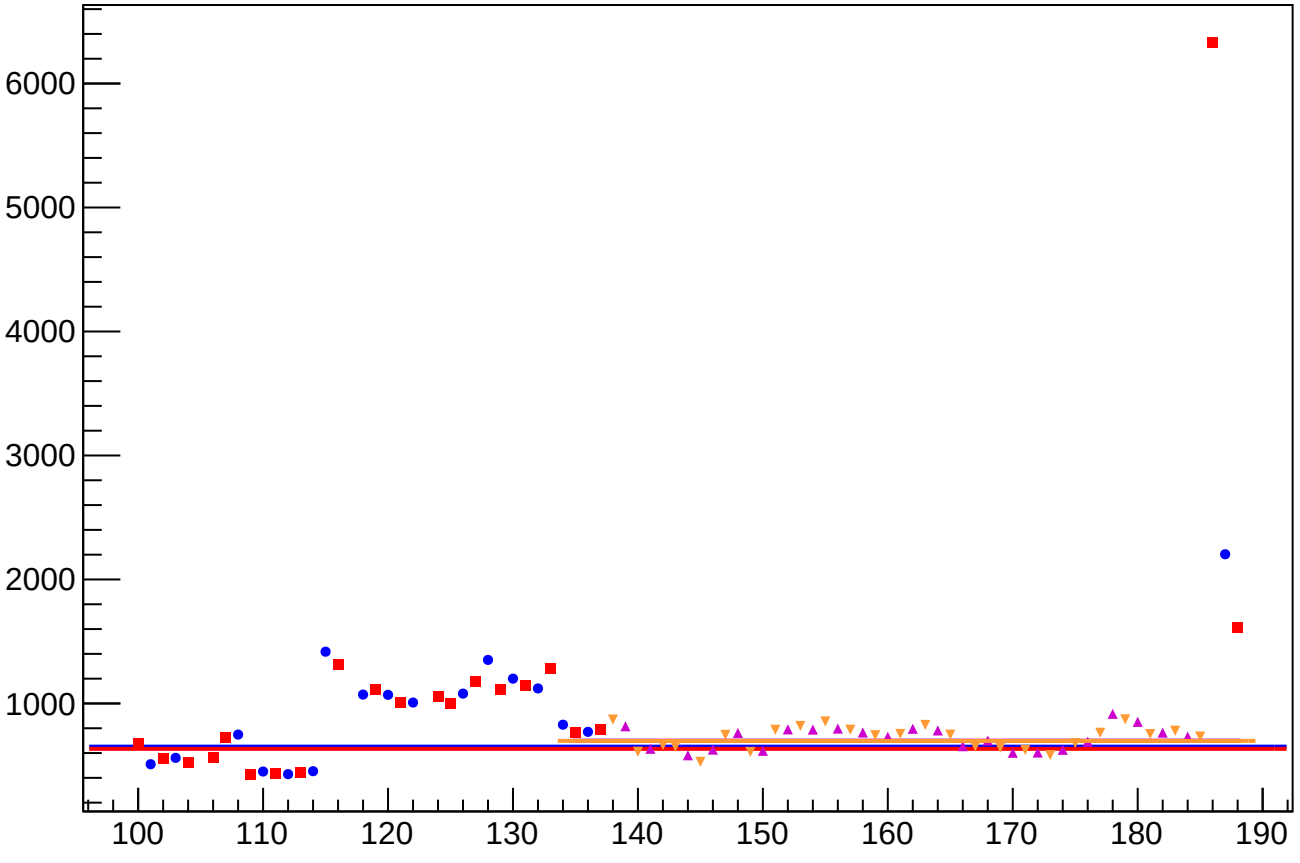
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -574.577+/-136.426 χ^2/NDF: 73.2/41

All: -413.114+/-96.270 χ^2/NDF: 118.0/85

- sign -252.973+/-135.867 χ^2/NDF: 42.0/43

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 651.683+/-0.183 χ^2/NDF: 2074752.1/16

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 633.909+/-0.169 χ^2/NDF: 3431786.0/20

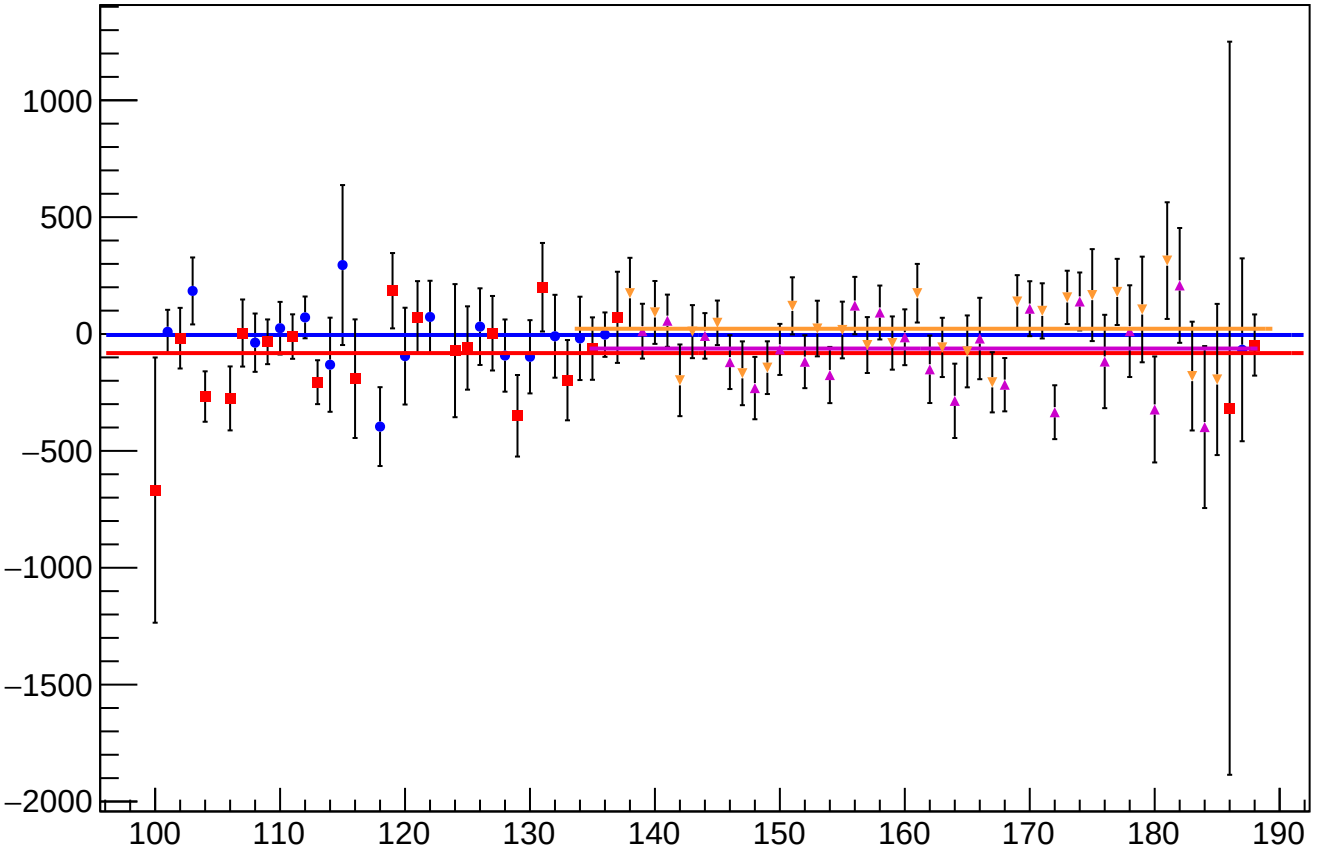
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 685.327+/-0.096 χ^2/NDF: 2836113.0/41

All: 681.968+/-0.068 χ^2/NDF: 6958539.7/85

- sign 678.637+/-0.096 χ^2/NDF: 4120012.5/43

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -4.117+/-34.023 χ^2/NDF: 10.4/16

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -81.631+/-31.657 χ^2/NDF: 19.2/20

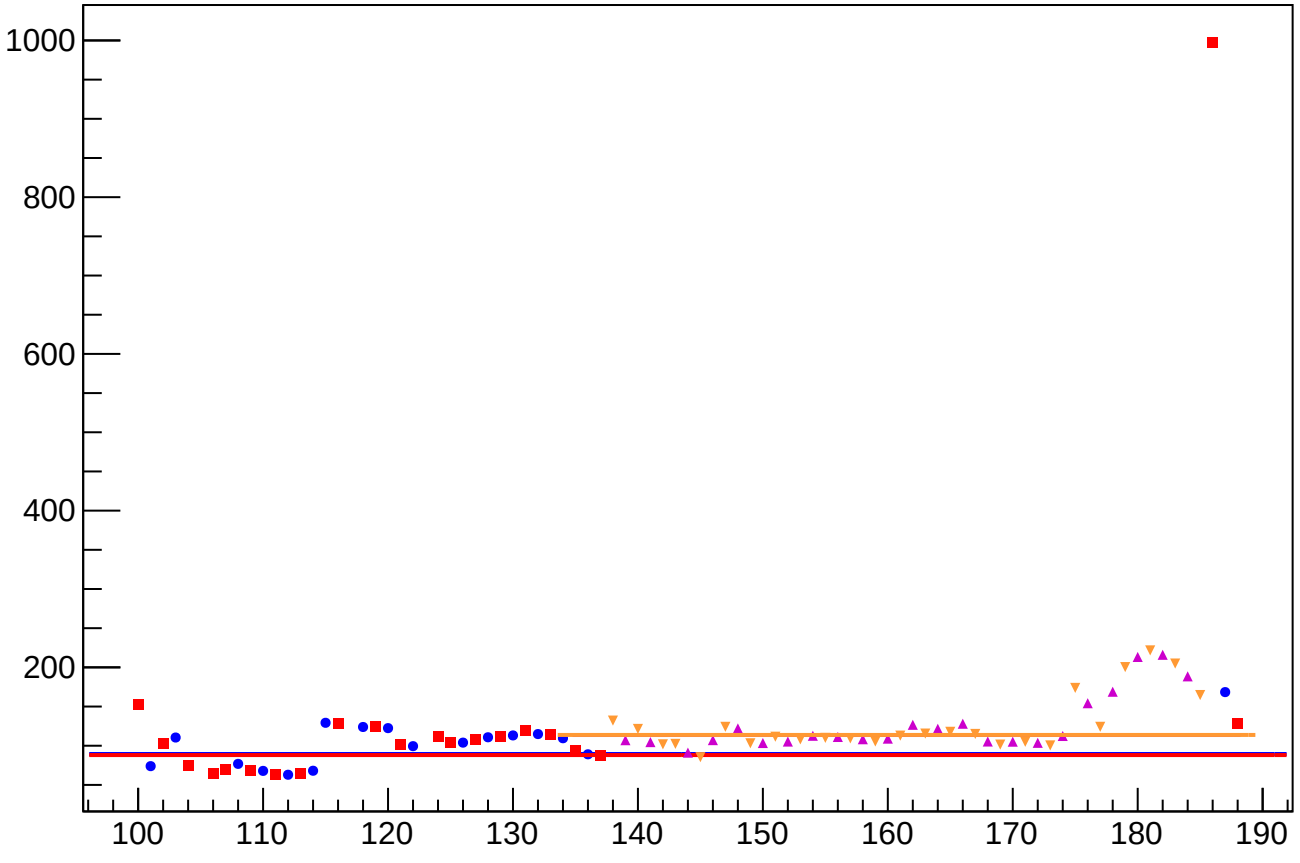
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 12.409+/-20.977 χ^2/NDF: 32.3/41

All: -29.605+/-14.731 χ^2/NDF: 87.0/85

- sign -70.483+/-20.691 χ^2/NDF: 46.7/43

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 89.416+/-0.024 χ^2/NDF: 806827.9/16

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

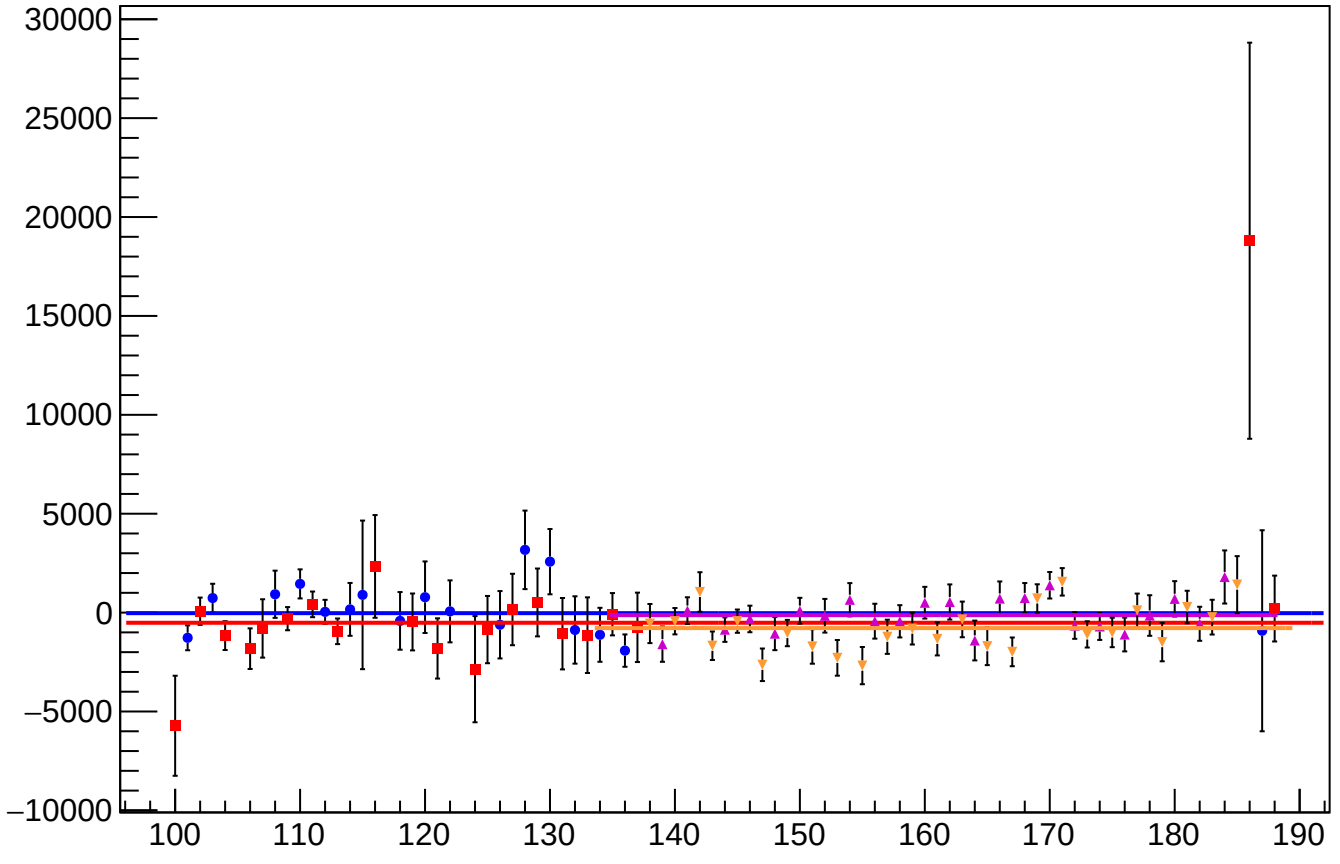
Right Out: 88.091+/-0.022 χ^2/NDF: 1756555.6/20

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 104.510+/-0.015 χ^2/NDF: 3021789.8/41

All: 103.616+/-0.010 χ^2/NDF: 6849872.5/85

- sign 102.747+/-0.015 χ^2/NDF: 3820920.9/43



Right In: -28.089+/-259.064 χ^2/NDF: 21.6/16

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

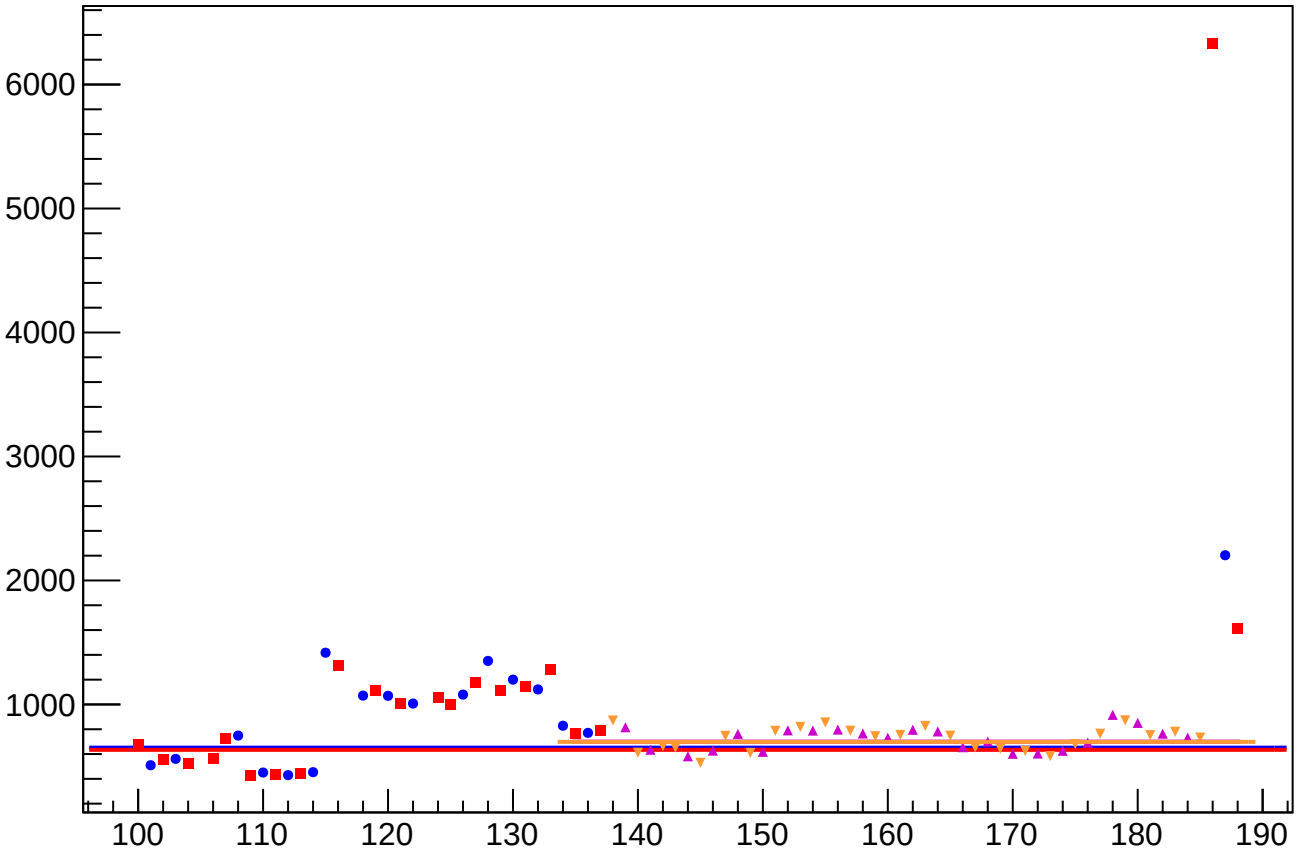
Right Out: -513.342+/-238.677 χ^2/NDF: 17.6/20

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -574.576+/-136.426 χ^2/NDF: 73.2/41

All: -413.113+/-96.270 χ^2/NDF: 118.0/85

- sign -252.972+/-135.867 χ^2/NDF: 42.0/43



Right In: 651.682+/-0.183 χ^2/NDF: 2074756.7/16

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 633.909+/-0.169 χ^2/NDF: 3431786.5/20

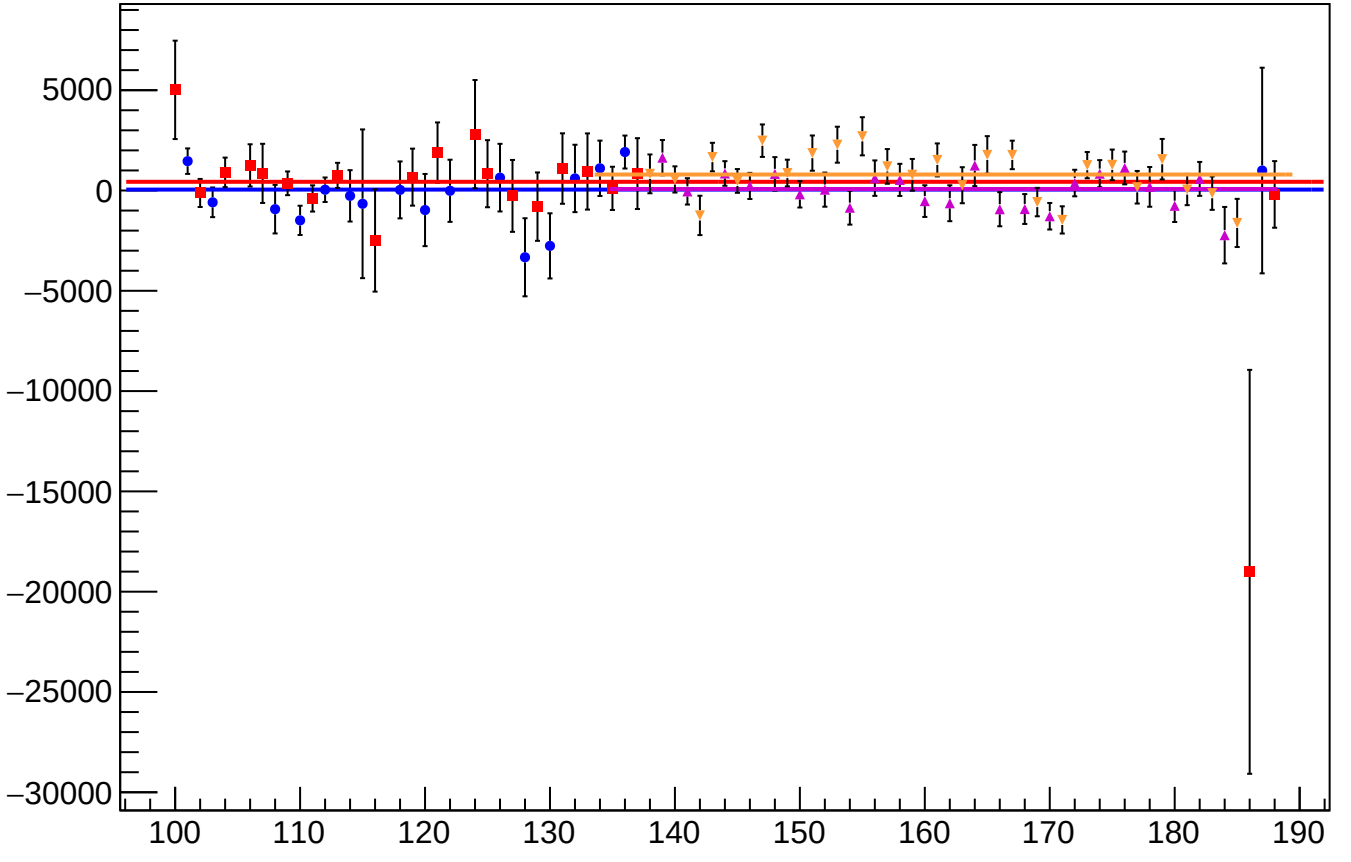
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 685.326+/-0.096 χ^2/NDF: 2836116.1/41

All: 681.967+/-0.068 χ^2/NDF: 6958539.1/85

- sign 678.636+/-0.096 χ^2/NDF: 4120008.9/43

asym_sam_1548_avg_mean vs Slug



Right In: 45.592+/-259.463 χ^2/NDF: 23.3/16

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 433.681+/-238.547 χ^2/NDF: 15.1/20

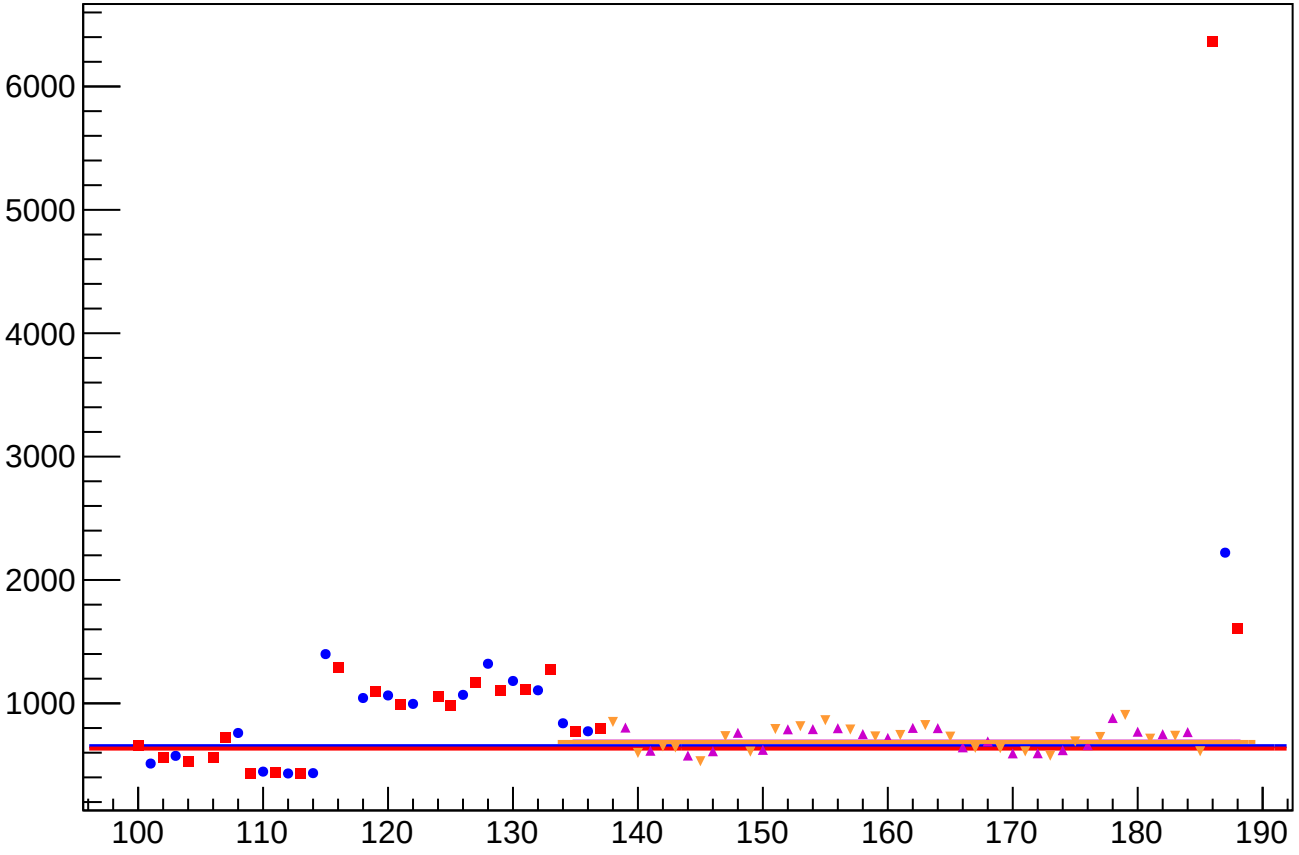
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 593.402+/-135.036 χ^2/NDF: 75.7/41

All: 389.929+/-95.300 χ^2/NDF: 121.9/85

- sign 188.027+/-134.514 χ^2/NDF: 41.6/43

asym_sam_1548_avg_rms vs Slug



Right In: 653.119+/-0.183 χ^2/NDF: 2033502.9/16

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

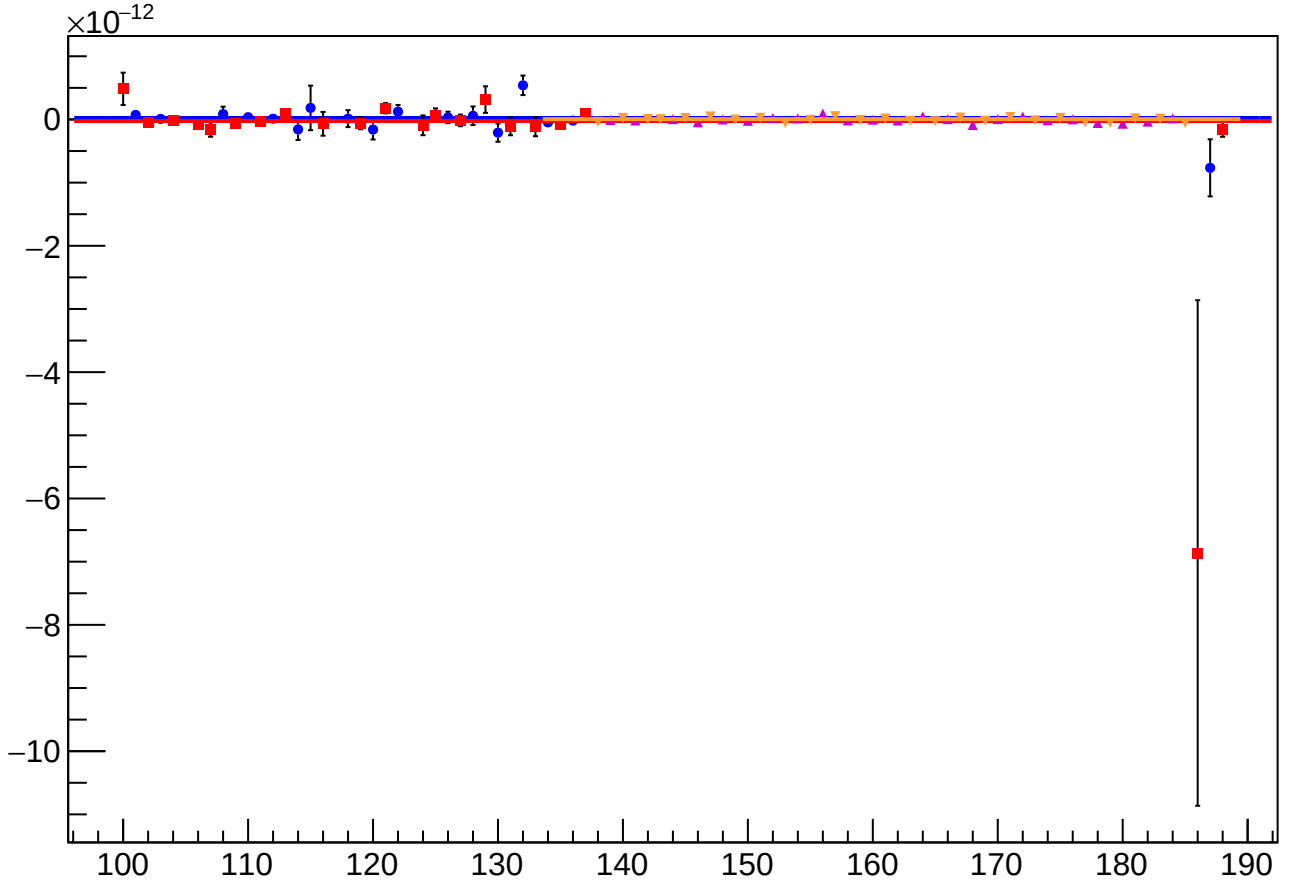
Right Out: 633.325+/-0.169 χ^2/NDF: 3397950.4/20

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 678.000+/-0.095 χ^2/NDF: 2786720.0/41

All: 674.977+/-0.067 χ^2/NDF: 6830744.9/85

- sign 671.977+/-0.095 χ^2/NDF: 4042027.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

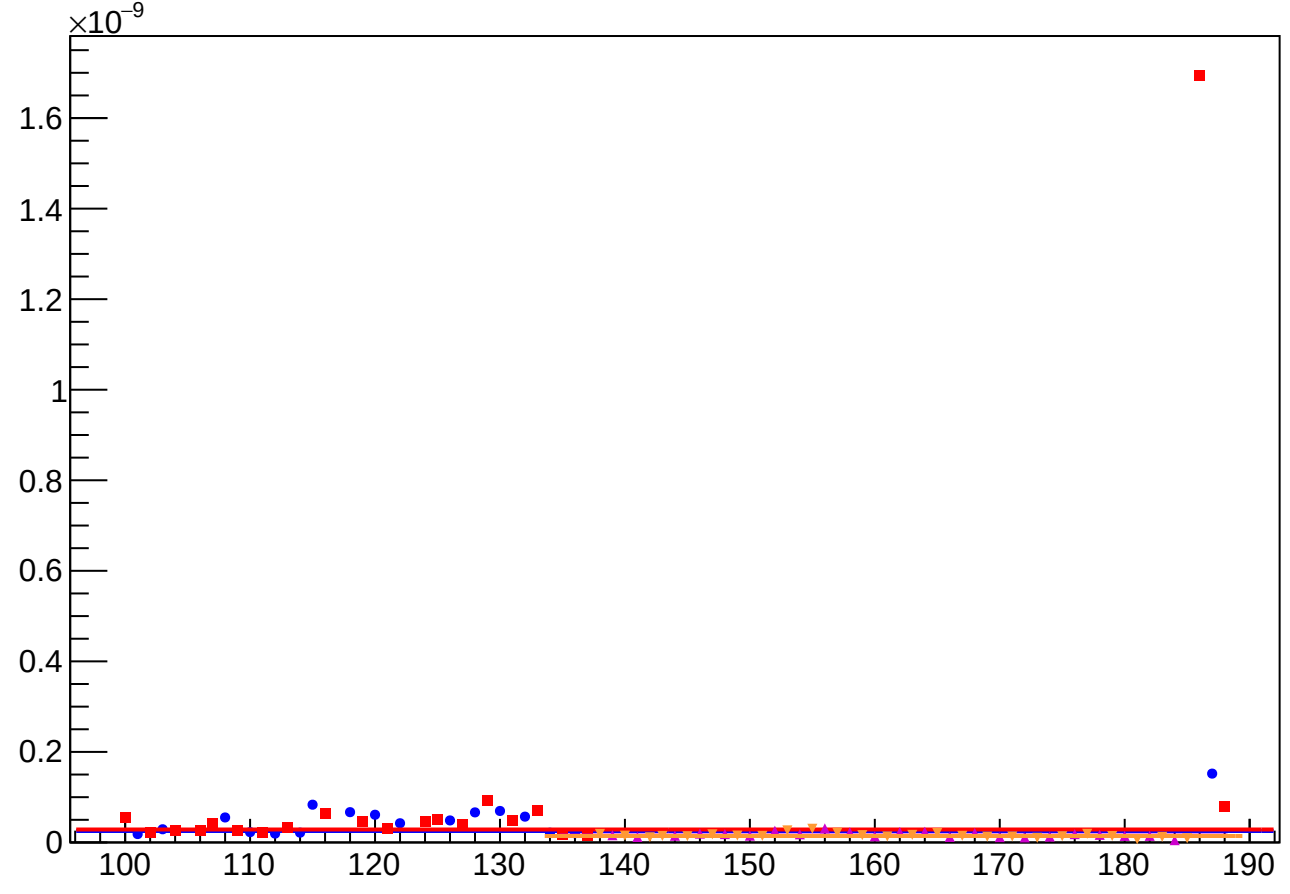
Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/20

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/41

All: 0.000+/-0.000 χ^2/NDF: 111.4/85

- sign -0.000+/-0.000 χ^2/NDF: 57.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 1469593.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

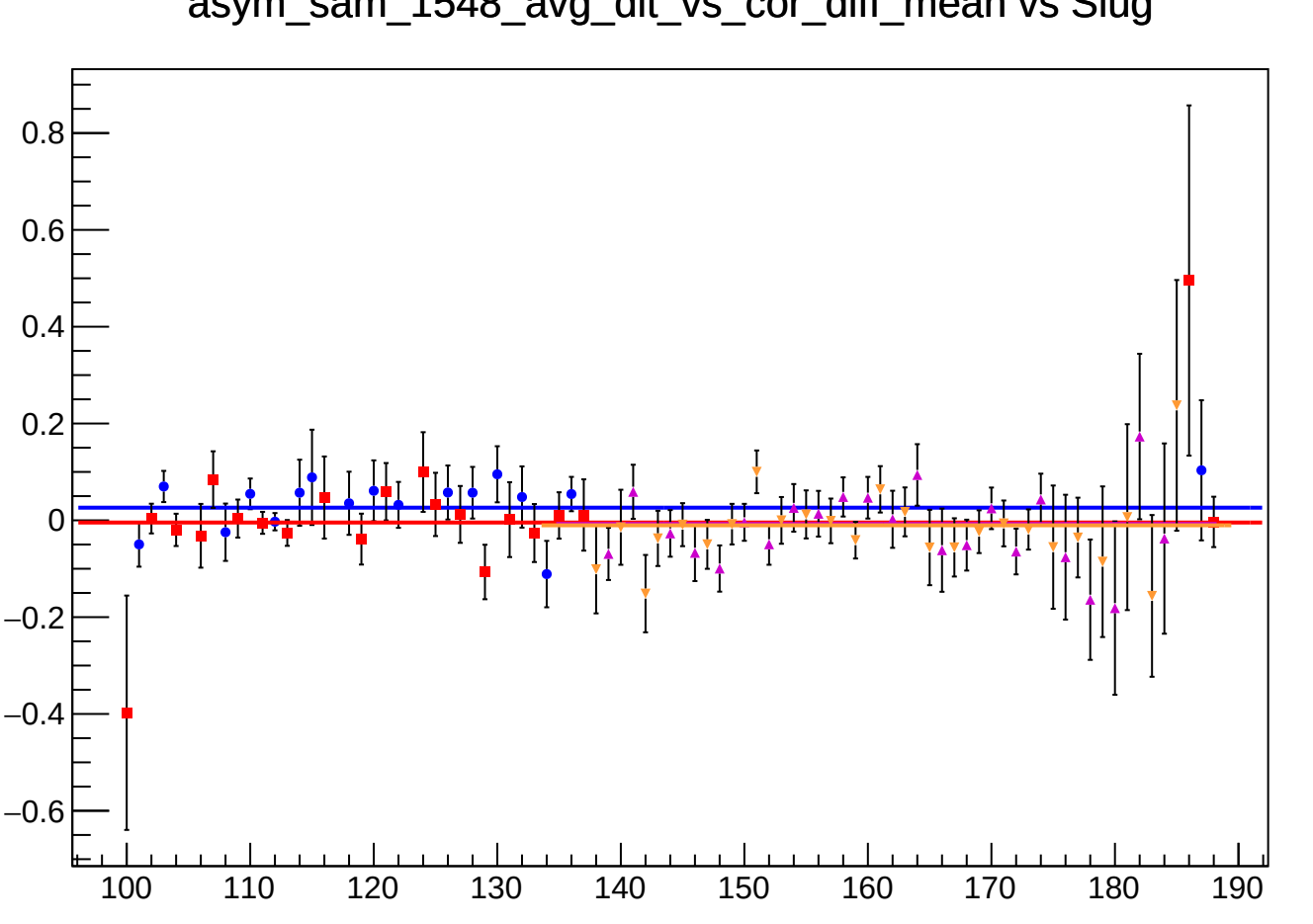
Right Out: 0.000+/-0.000 χ^2/NDF: 1722771.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3394876.2/41

All: 0.000+/-0.000 χ^2/NDF: 7484090.4/85

- sign 0.000+/-0.000 χ^2/NDF: 4039488.0/43



Right In: 0.026+/-0.010 χ^2/NDF: 16.8/16

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.005+/-0.010 χ^2/NDF: 15.5/20

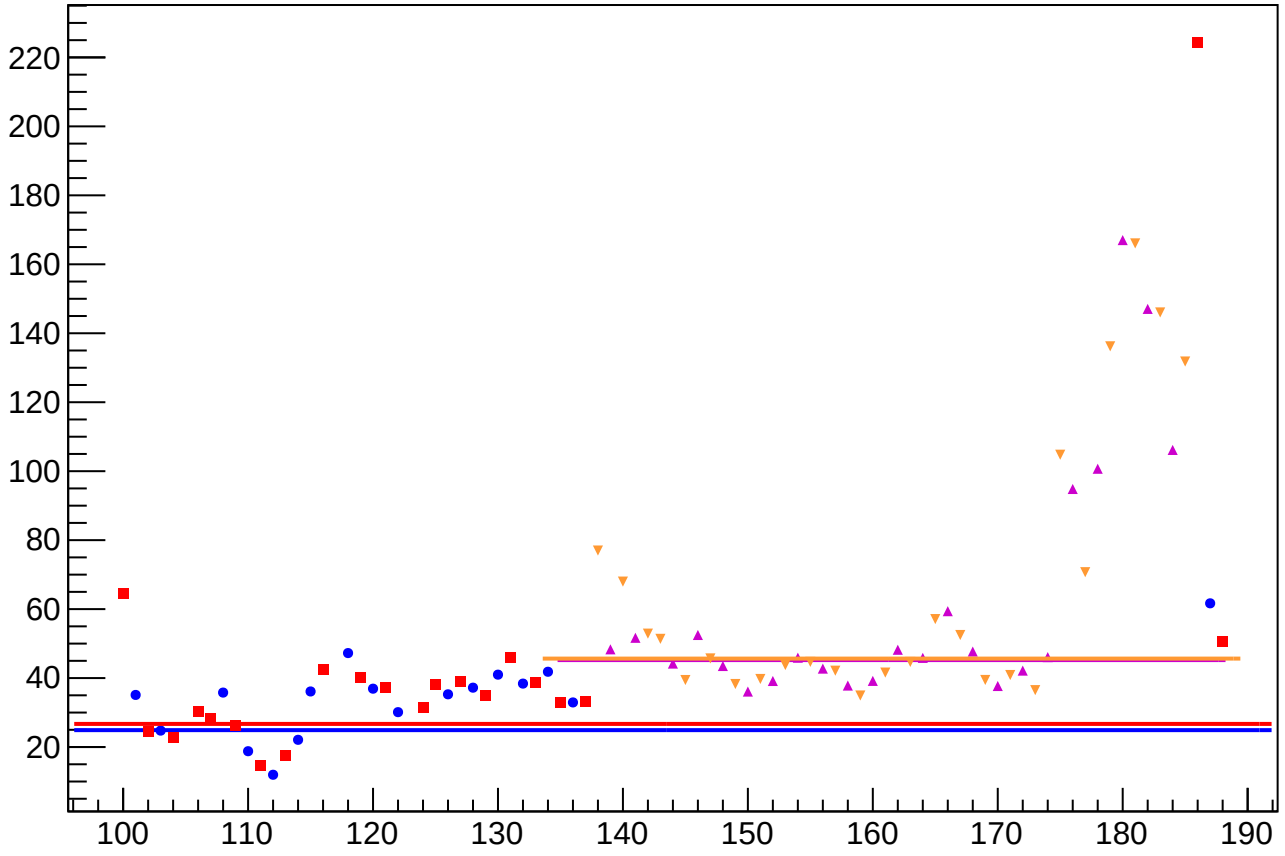
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.010+/-0.008 χ^2/NDF: 40.5/41

All: 0.002+/-0.005 χ^2/NDF: 81.4/85

- sign -0.006+/-0.008 χ^2/NDF: 38.9/43

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.901+/-0.007 χ^2/NDF: 2424989.0/16

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

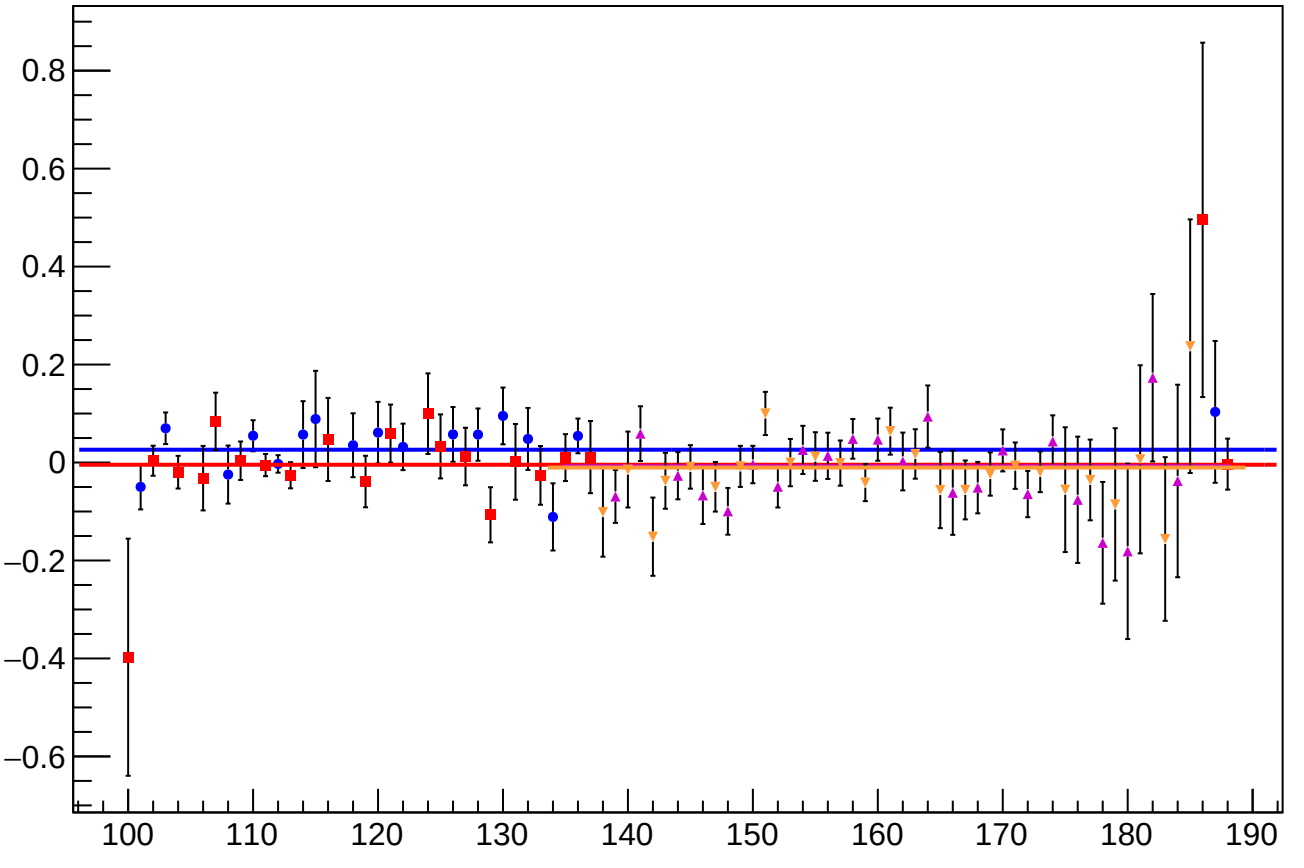
Right Out: 26.706+/-0.007 χ^2/NDF: 2649108.7/20

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

\+ sign 34.370+/-0.005 χ^2/NDF: 10122563.4/41

All: 34.623+/-0.004 χ^2/NDF: 18706654.9/85

\- sign 34.875+/-0.005 χ^2/NDF: 8579678.6/43



Right In: 0.026+/-0.010 χ^2/NDF: 16.8/16

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

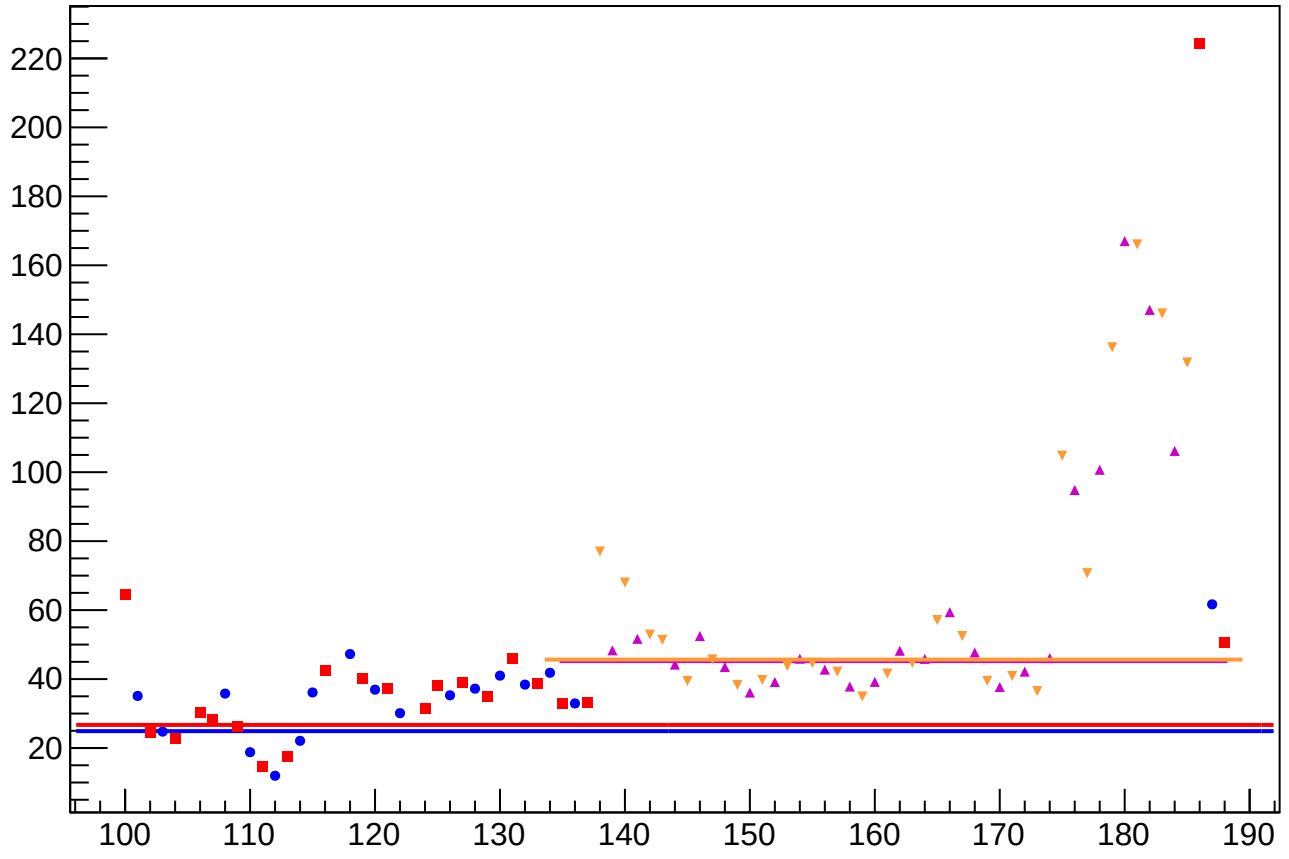
Right Out: -0.005+/-0.010 χ^2/NDF: 15.5/20

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.010+/-0.008 χ^2/NDF: 40.5/41

All: 0.002+/-0.005 χ^2/NDF: 81.4/85

- sign -0.006+/-0.008 χ^2/NDF: 38.9/43



Right In: 24.901+/-0.007 χ^2/NDF: 2424989.0/16

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

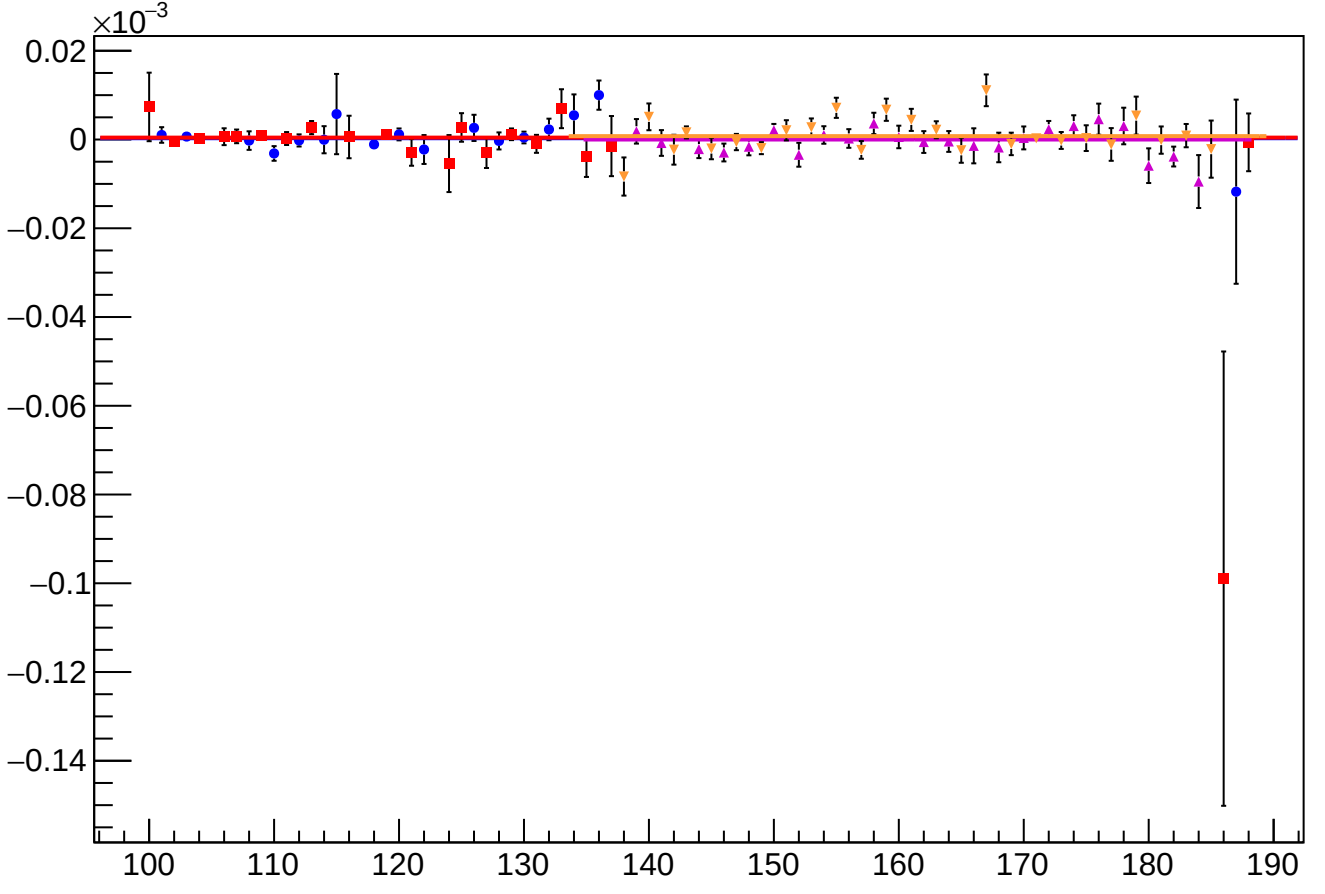
Right Out: 26.706+/-0.007 χ^2/NDF: 2649108.7/20

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

\+ sign 34.370+/-0.005 χ^2/NDF: 10122563.4/41

All: 34.623+/-0.004 χ^2/NDF: 18706654.9/85

\- sign 34.875+/-0.005 χ^2/NDF: 8579678.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

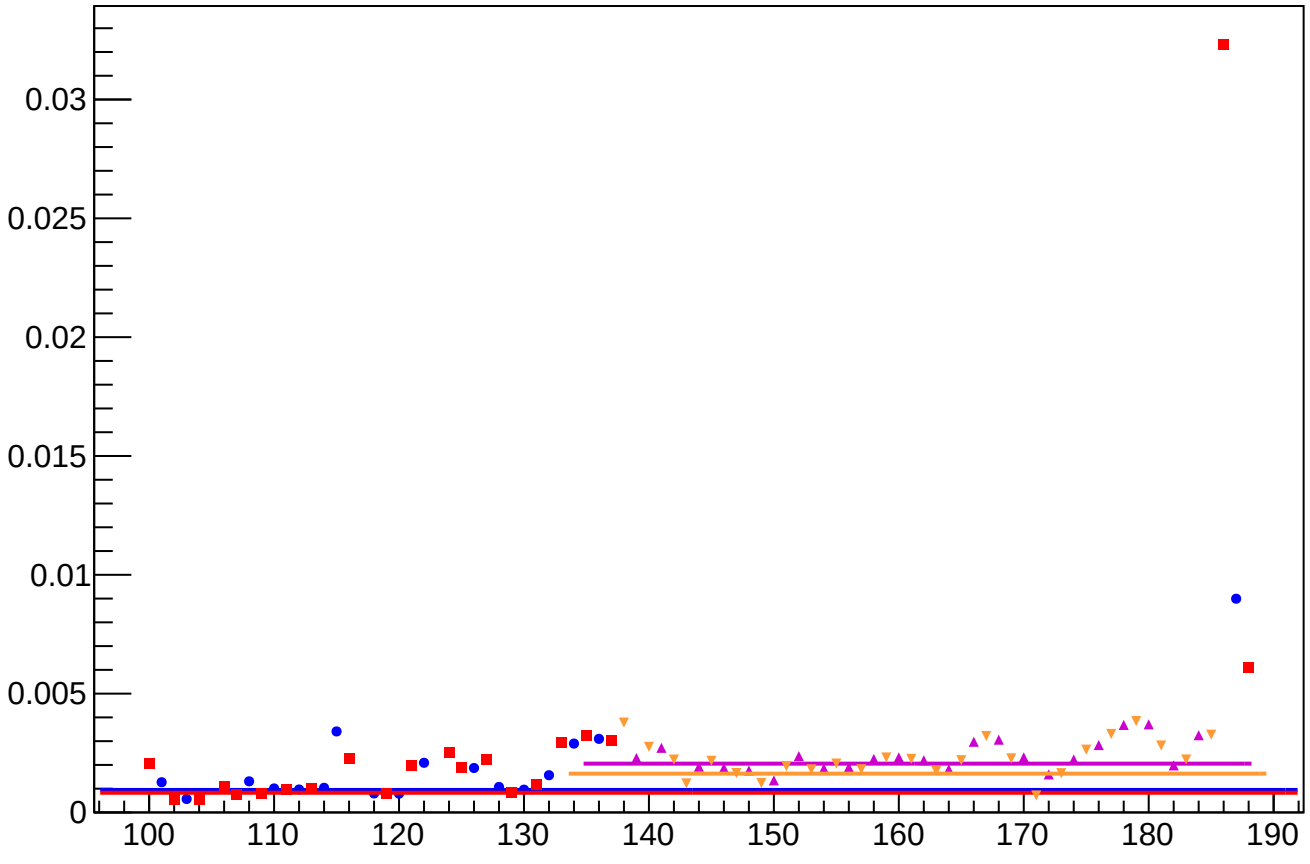
Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/20

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.5/41

All: 0.000+/-0.000 χ^2/NDF: 108.2/85

- sign 0.000+/-0.000 χ^2/NDF: 41.5/43



Right In: 0.001+/-0.000 χ^2/NDF: 2966743.6/16

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

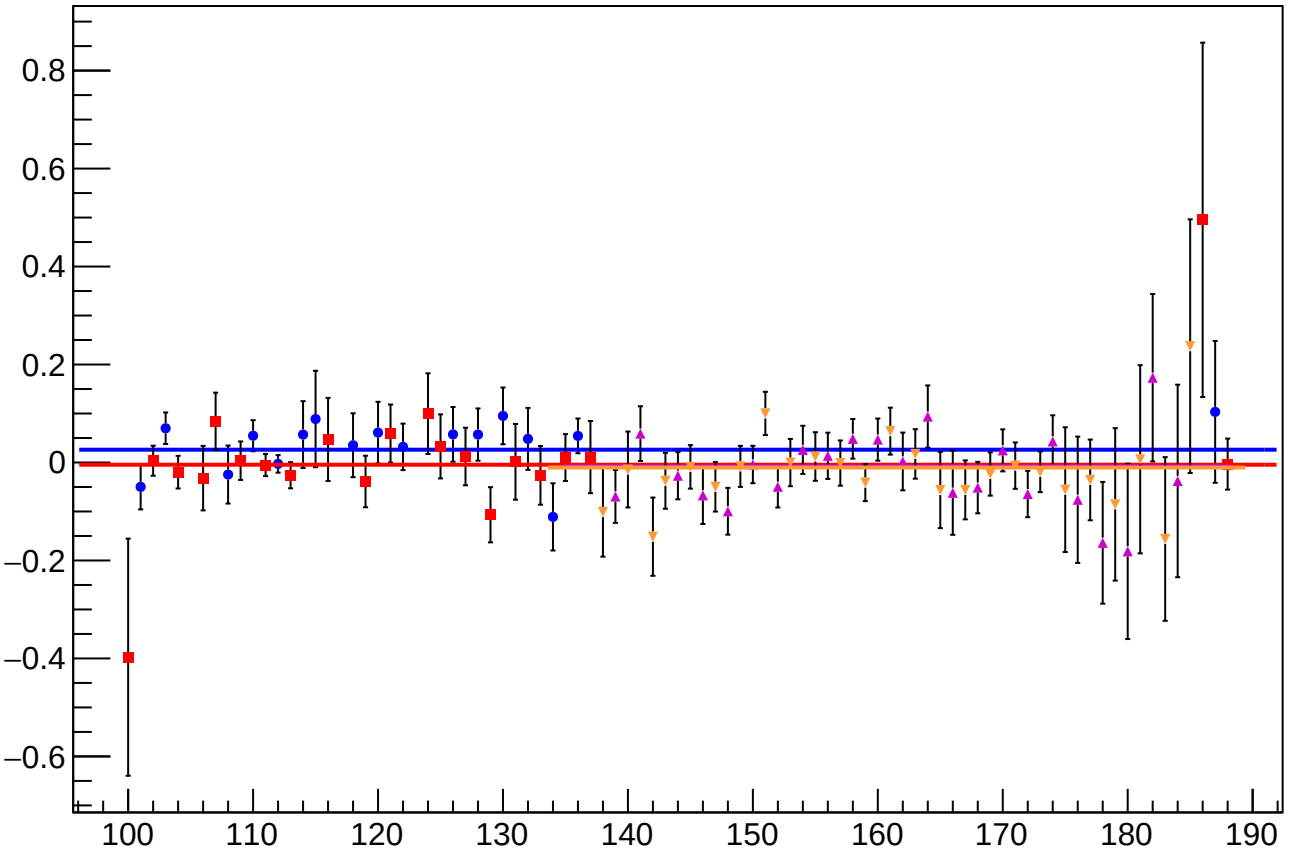
Right Out: 0.001+/-0.000 χ^2/NDF: 5313028.7/20

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 12318594.9/41

All: 0.001+/-0.000 χ^2/NDF: 27957790.0/85

- sign 0.001+/-0.000 χ^2/NDF: 15586826.3/43



Right In: 0.026+/-0.010 χ^2/NDF: 16.8/16

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.005+/-0.010 χ^2/NDF: 15.5/20

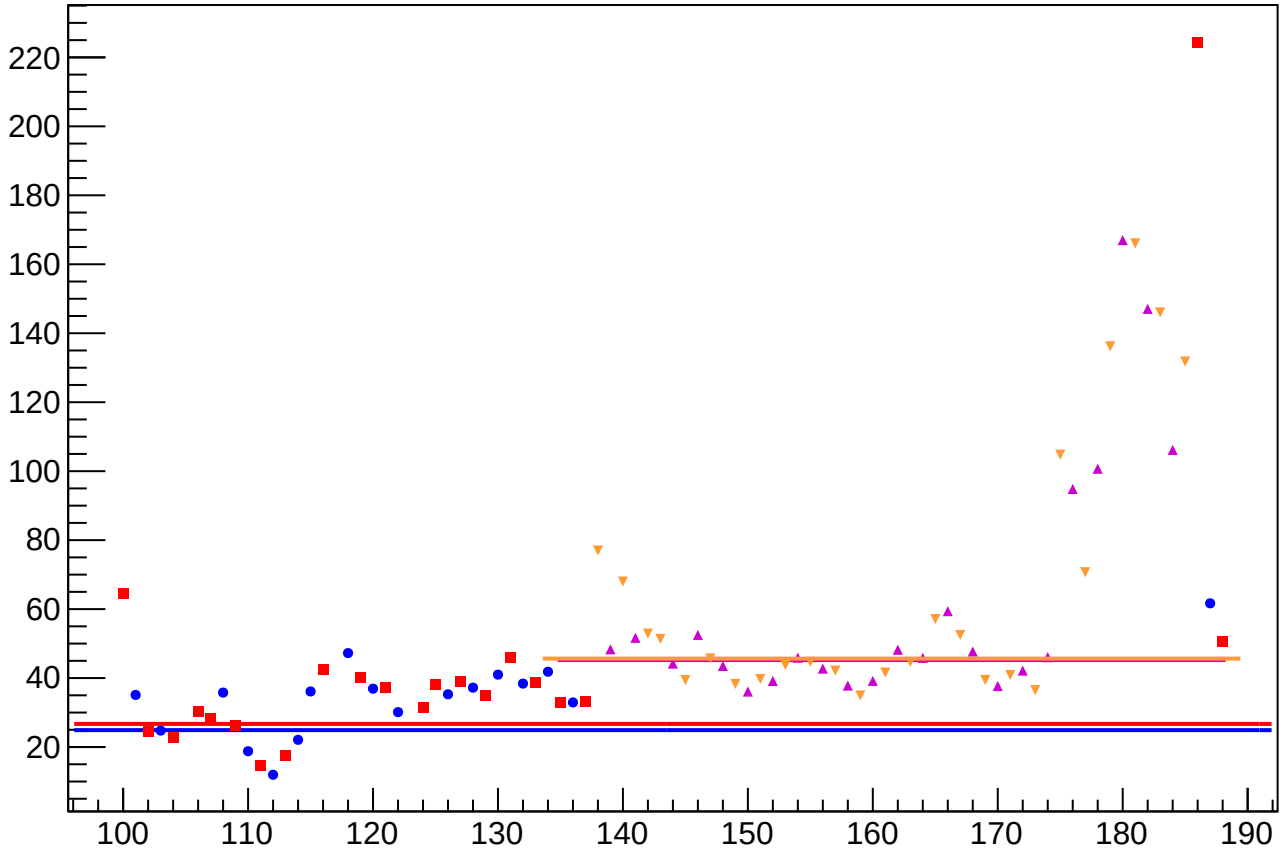
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.010+/-0.008 χ^2/NDF: 40.5/41

All: 0.002+/-0.005 χ^2/NDF: 81.4/85

- sign -0.006+/-0.008 χ^2/NDF: 38.9/43

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.900+/-0.007 χ^2/NDF: 2425171.2/16

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

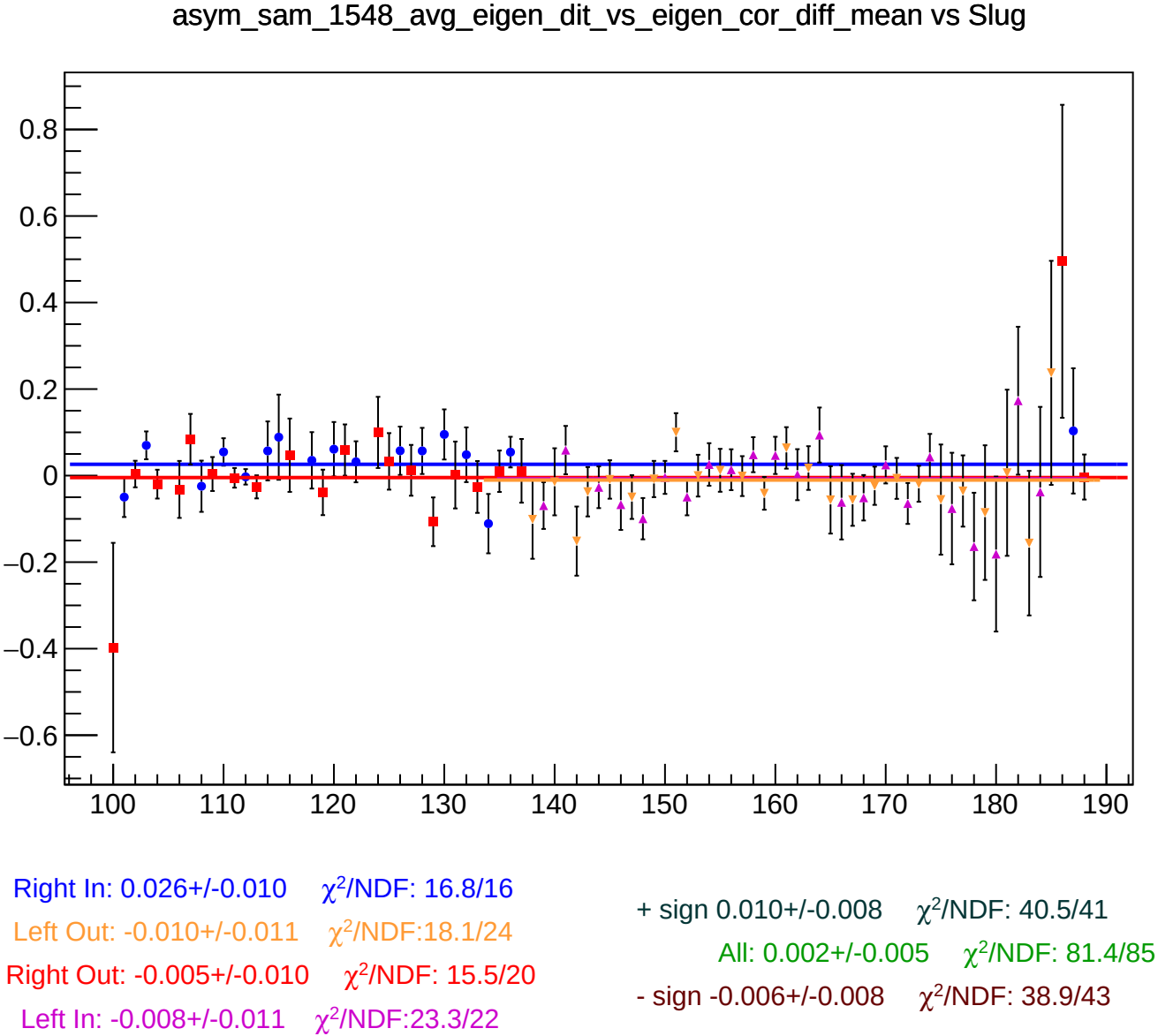
Right Out: 26.706+/-0.007 χ^2/NDF: 2649264.4/20

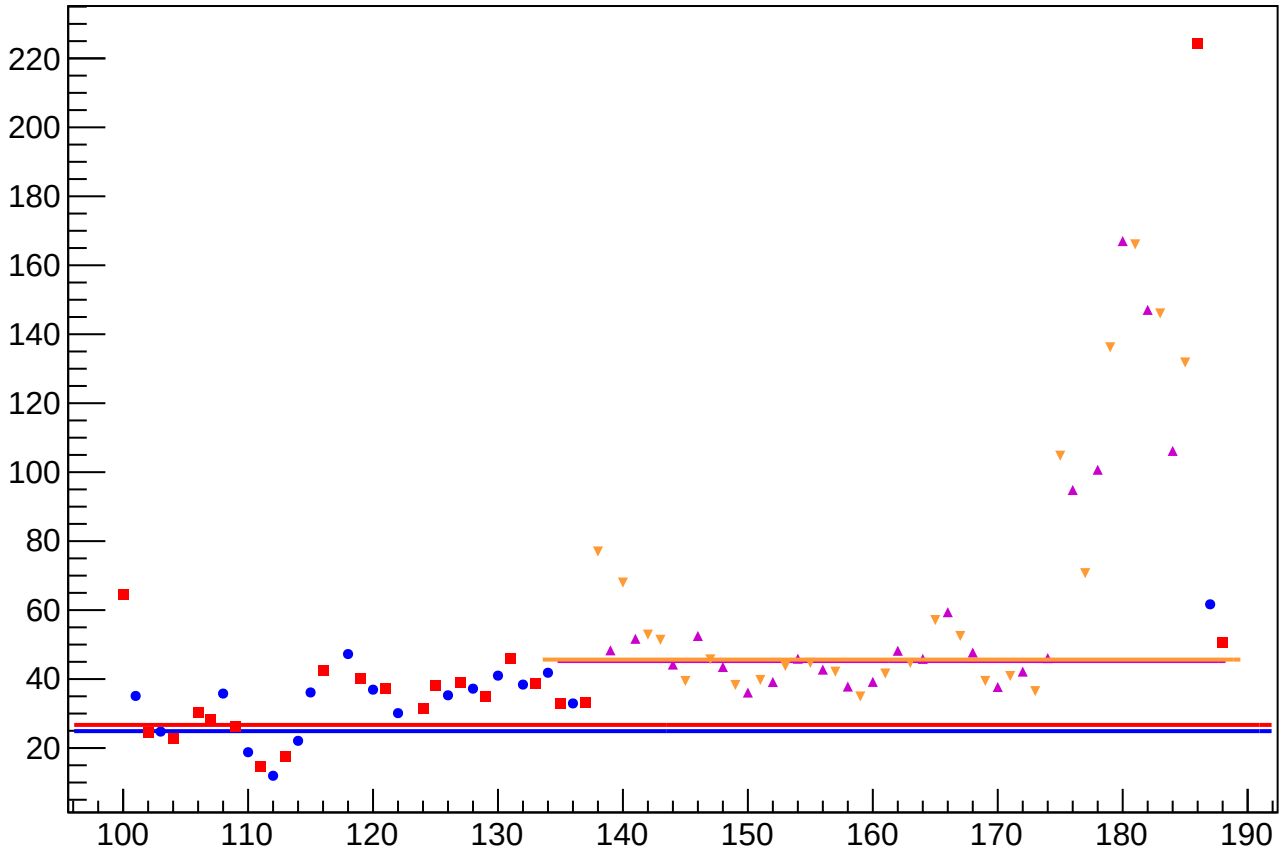
Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.370+/-0.005 χ^2/NDF: 10123028.1/41

All: 34.623+/-0.004 χ^2/NDF: 18707460.1/85

- sign 34.875+/-0.005 χ^2/NDF: 8580016.5/43


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: 0.026+/-0.010 χ²/NDF: 16.8/16
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.005+/-0.010 χ²/NDF: 15.5/20
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.010+/-0.008 χ²/NDF: 40.5/41
All: 0.002+/-0.005 χ²/NDF: 81.4/85
- sign -0.006+/-0.008 χ²/NDF: 38.9/43



Right In: 24.900+/-0.007 χ^2/NDF: 2425171.2/16

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

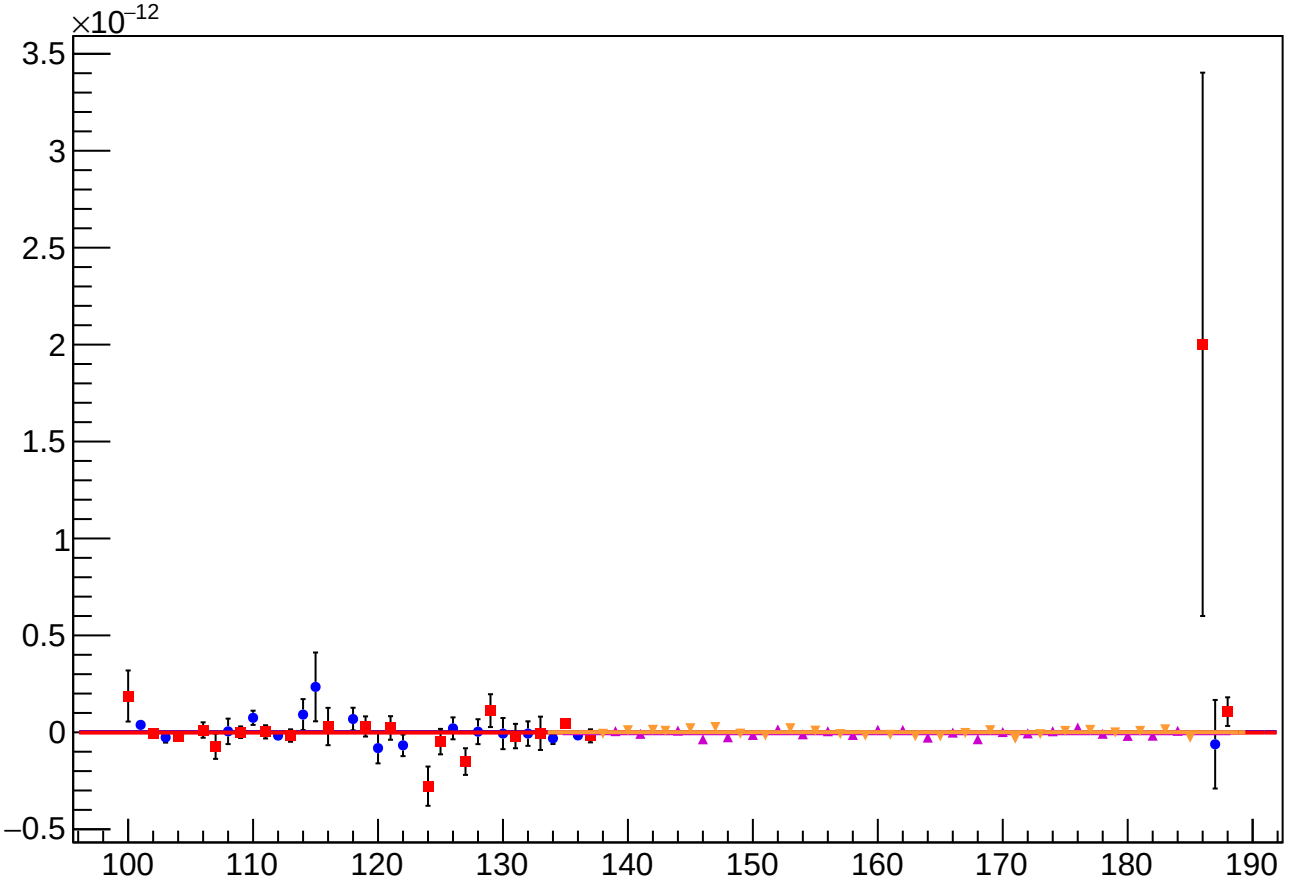
Right Out: 26.706+/-0.007 χ^2/NDF: 2649264.4/20

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.370+/-0.005 χ^2/NDF: 10123028.1/41

All: 34.623+/-0.004 χ^2/NDF: 18707460.1/85

- sign 34.875+/-0.005 χ^2/NDF: 8580016.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

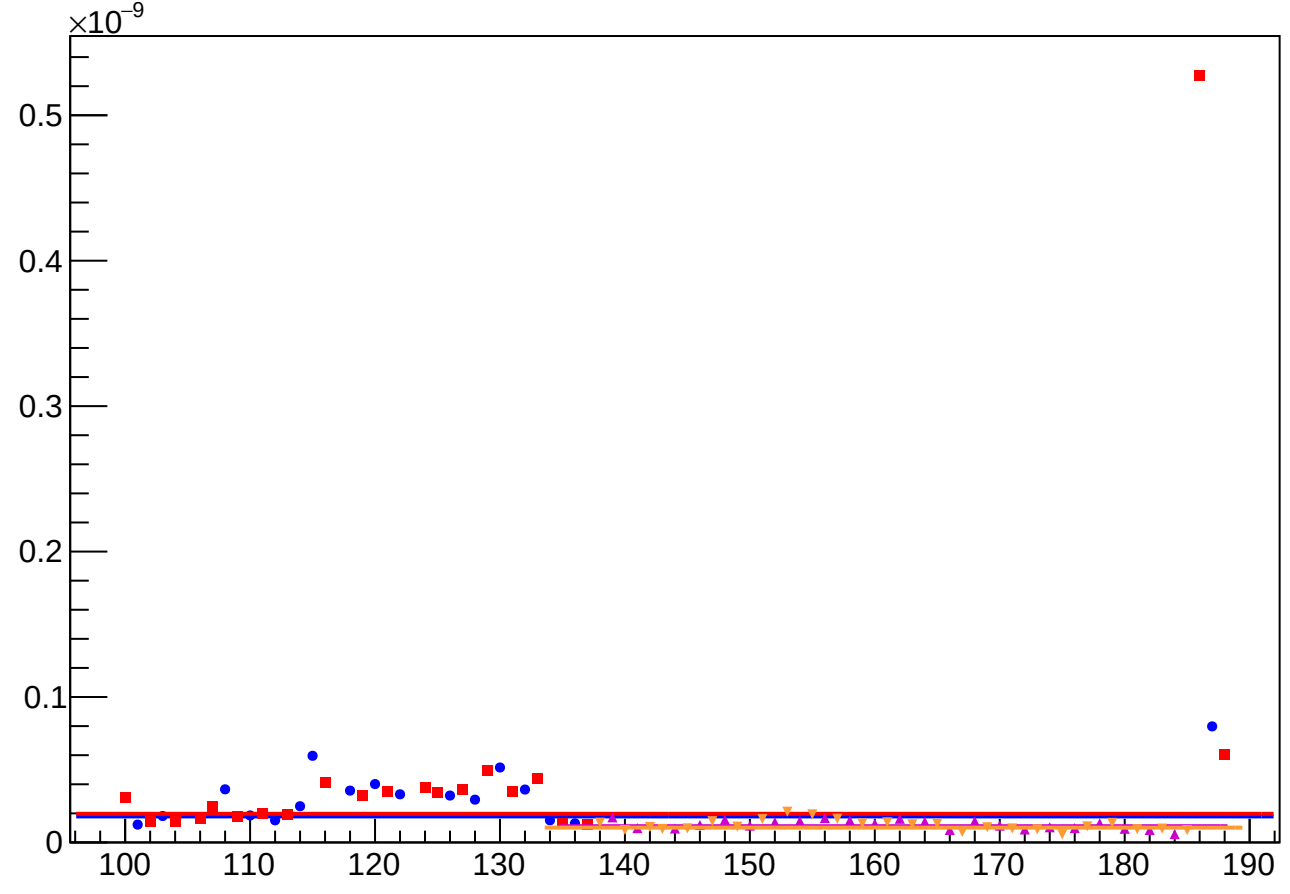
Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/20

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/41

All: -0.000+/-0.000 χ^2/NDF: 97.4/85

- sign -0.000+/-0.000 χ^2/NDF: 51.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 2016953.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2505027.3/20

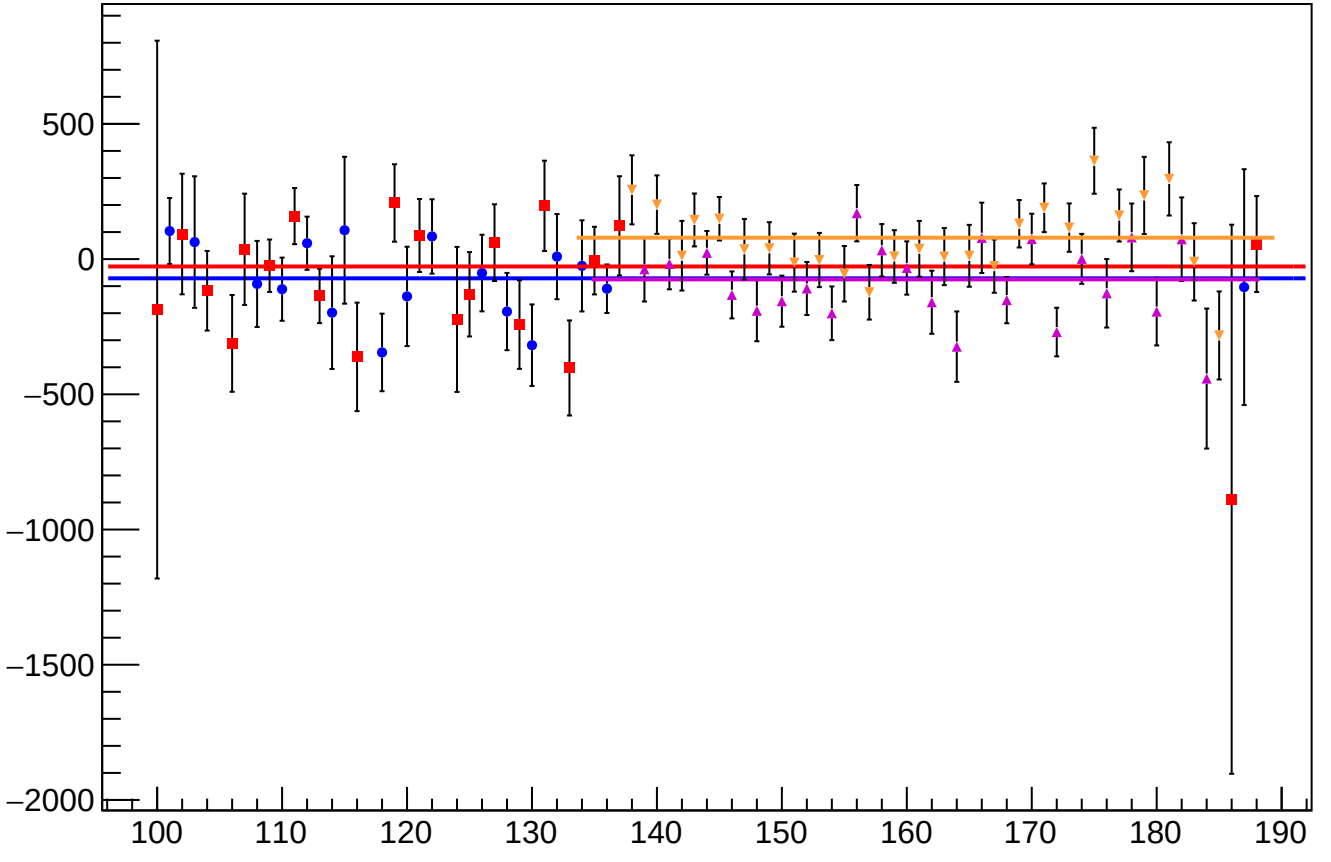
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5692444.7/41

All: 0.000+/-0.000 χ^2/NDF: 11457112.3/85

- sign 0.000+/-0.000 χ^2/NDF: 5615935.8/43

reg_asym_sam_3748_avg_mean vs Slug



Right In: -71.103+/-35.009 χ^2/NDF: 14.1/16

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -27.298+/-33.604 χ^2/NDF: 25.0/20

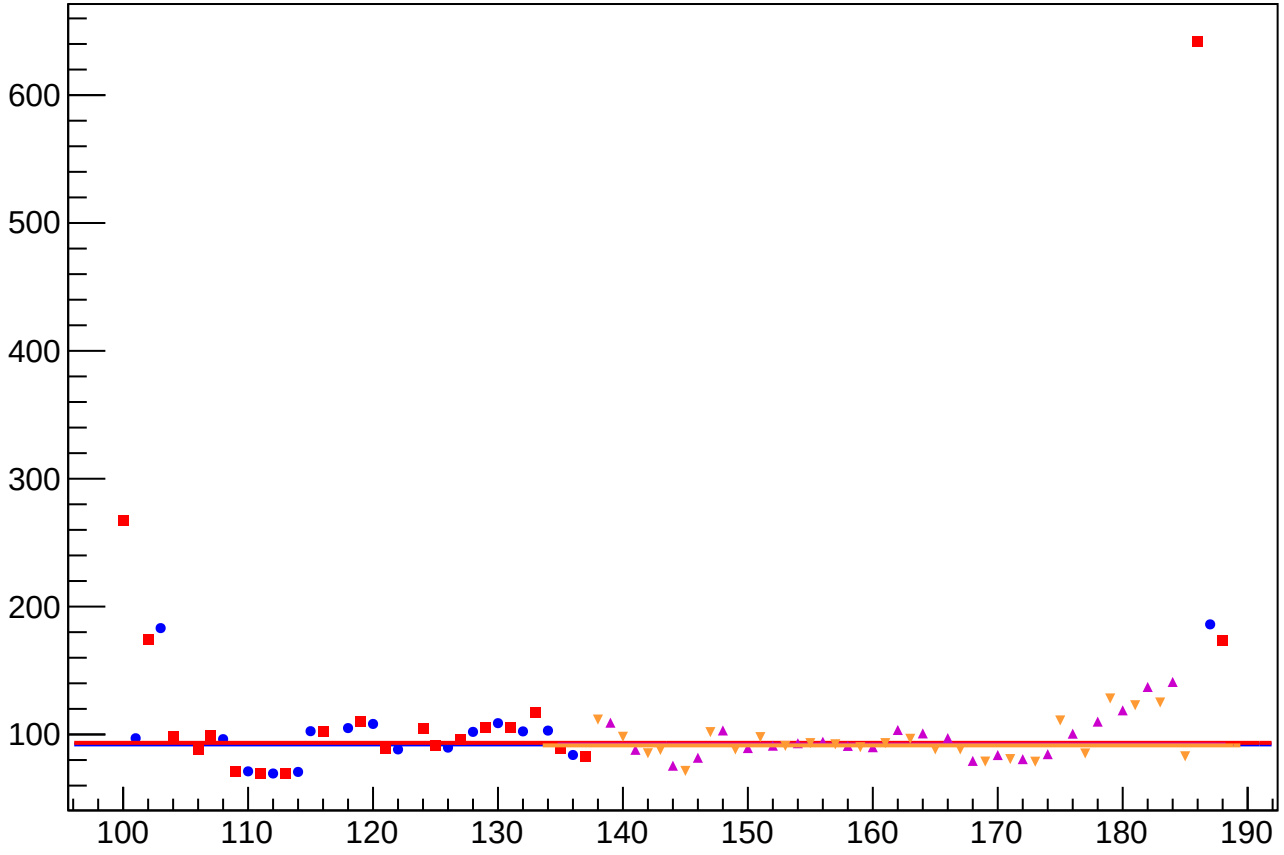
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 39.069+/-18.073 χ^2/NDF: 59.5/41

All: -10.248+/-12.863 χ^2/NDF: 133.7/85

- sign -60.871+/-18.311 χ^2/NDF: 59.0/43

reg_asym_sam_3748_avg_rms vs Slug



Right In: 92.217+/-0.025 χ^2/NDF: 673972.3/16

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

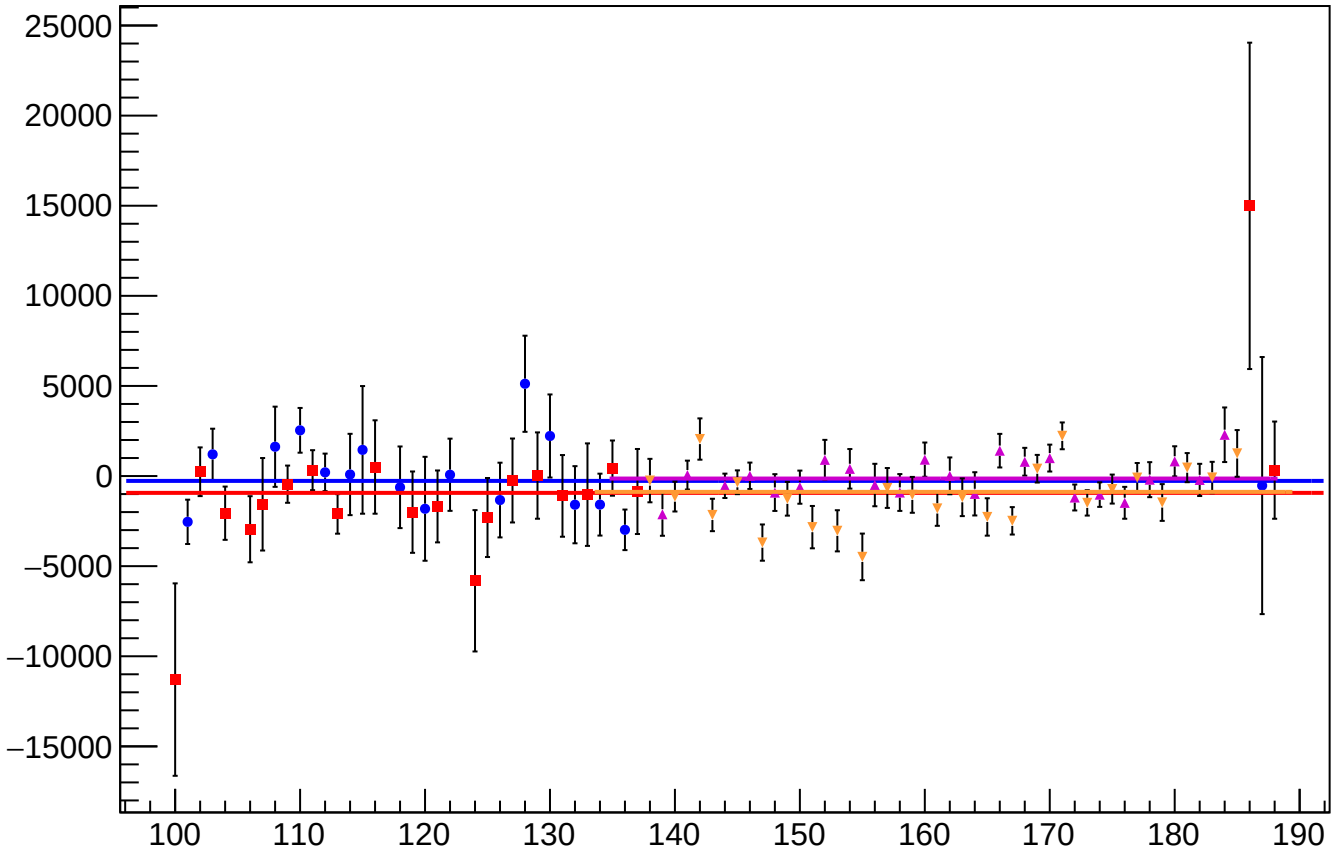
Right Out: 93.447+/-0.024 χ^2/NDF: 1755584.1/20

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.663+/-0.013 χ^2/NDF: 1425869.0/41

All: 92.076+/-0.009 χ^2/NDF: 3885418.5/85

- sign 92.500+/-0.013 χ^2/NDF: 2457431.6/43



Right In: -269.382+/-418.854 χ^2/NDF: 23.4/16

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -933.619+/-396.091 χ^2/NDF: 16.0/20

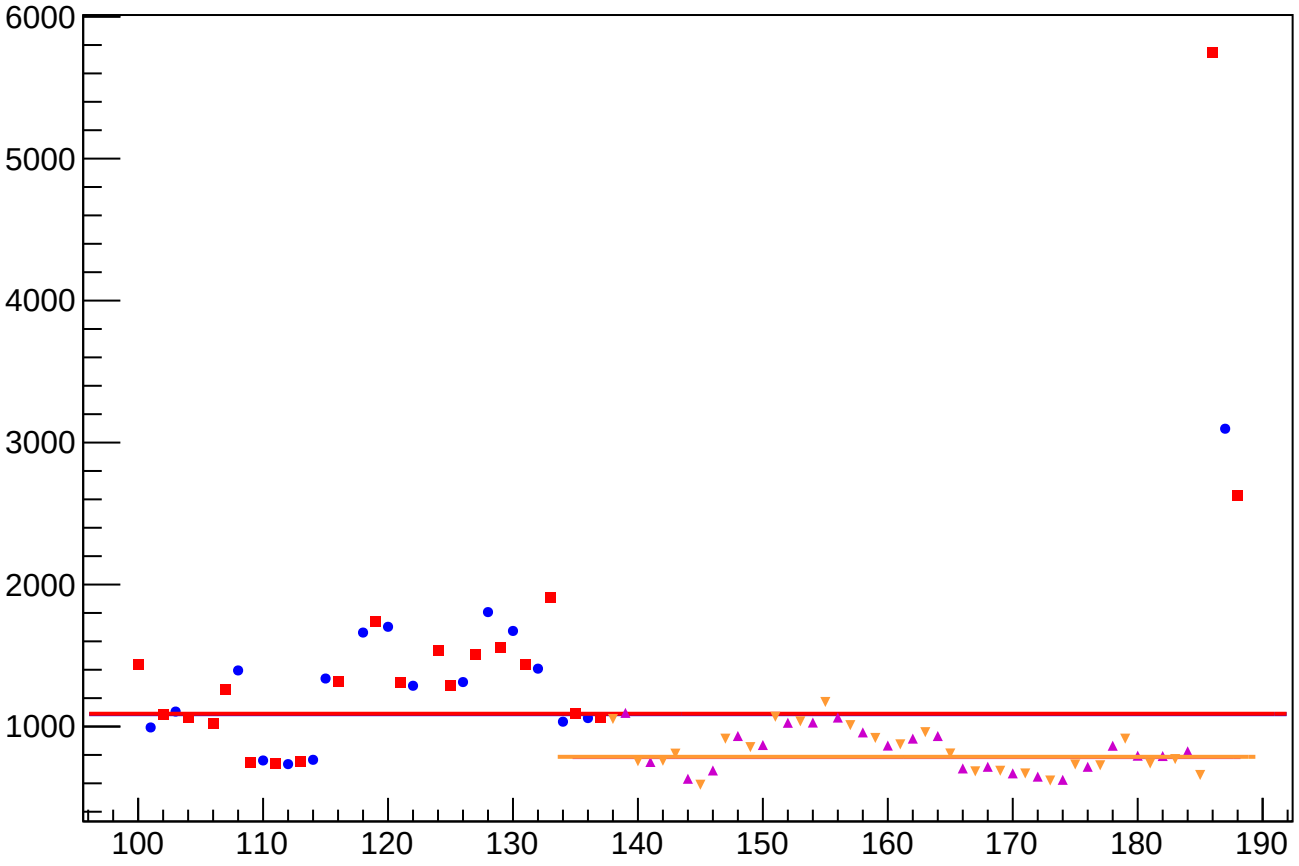
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -781.560+/-167.068 χ^2/NDF: 92.9/41

All: -534.865+/-118.737 χ^2/NDF: 140.8/85

- sign -283.069+/-168.786 χ^2/NDF: 43.5/43

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1087.002+/-0.296 χ^2/NDF: 1212927.8/16

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1090.104+/-0.280 χ^2/NDF: 2398869.0/20

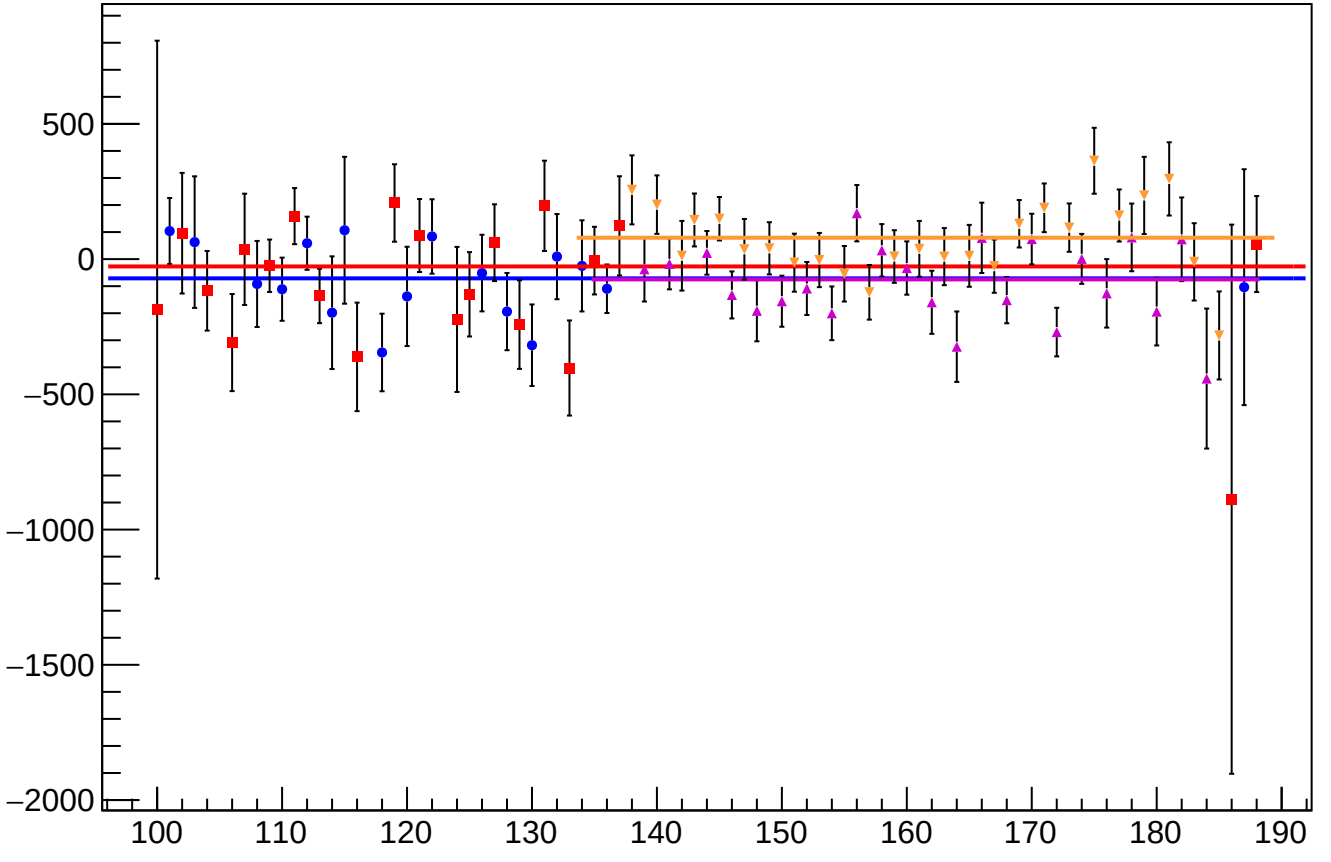
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 834.526+/-0.118 χ^2/NDF: 3287992.9/41

All: 837.367+/-0.084 χ^2/NDF: 7724043.8/85

- sign 840.266+/-0.119 χ^2/NDF: 4434882.5/43

cor_asym_sam_3748_avg_mean vs Slug



Right In: -71.115+/-35.009 χ^2/NDF: 14.1/16

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -27.055+/-33.608 χ^2/NDF: 24.9/20

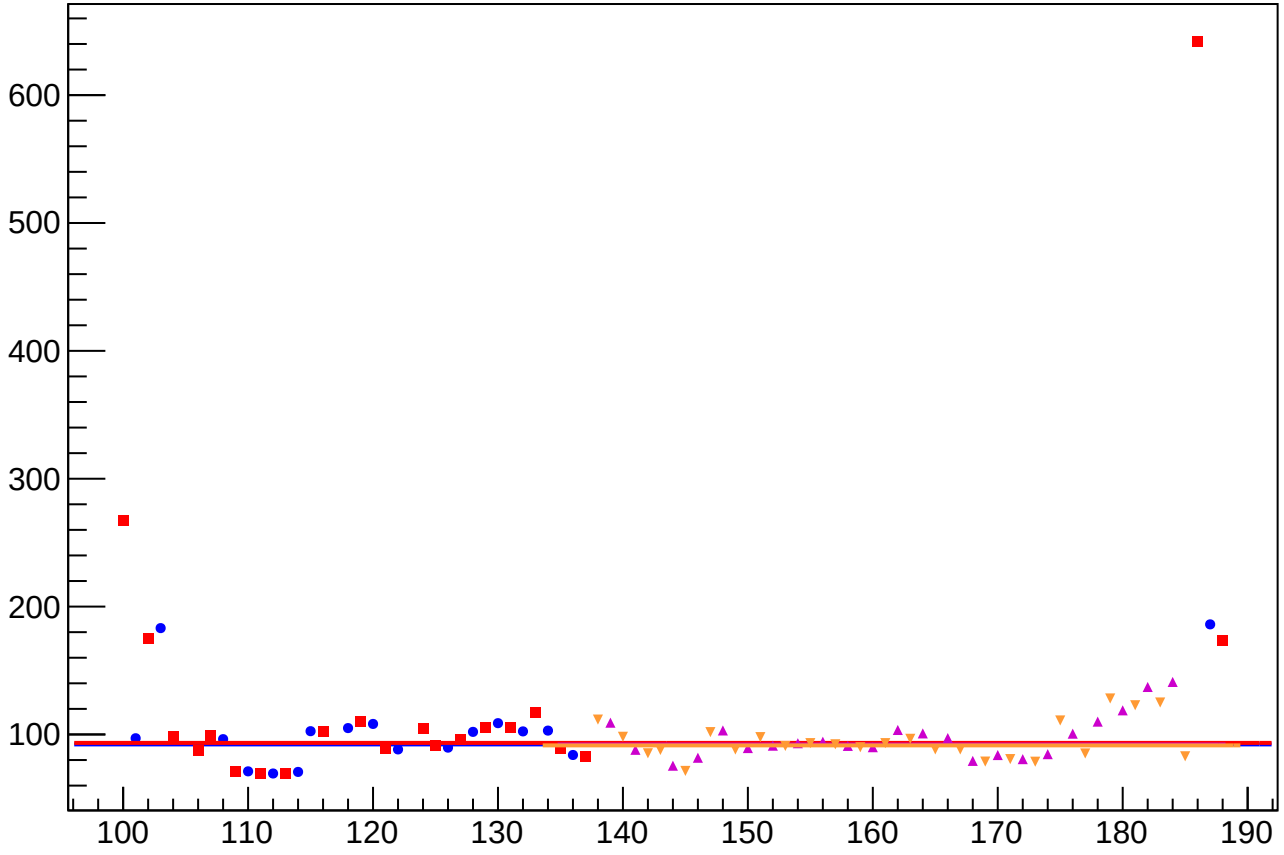
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 39.072+/-18.073 χ^2/NDF: 59.5/41

All: -10.211+/-12.863 χ^2/NDF: 133.6/85

- sign -60.802+/-18.311 χ^2/NDF: 59.0/43

cor_asym_sam_3748_avg_rms vs Slug



Right In: 92.217+/-0.025 χ^2/NDF: 673975.4/16

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

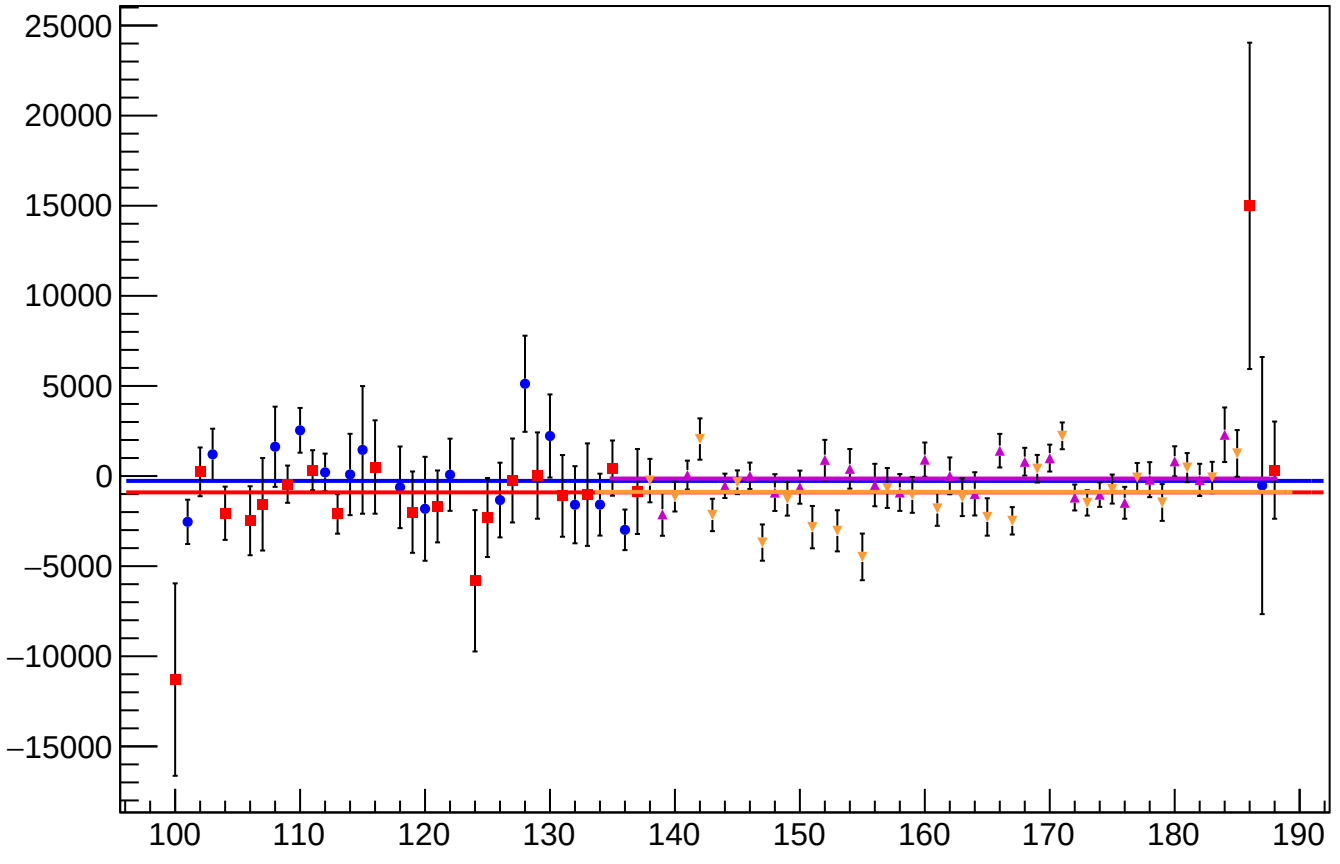
Right Out: 93.402+/-0.024 χ^2/NDF: 1756704.7/20

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.663+/-0.013 χ^2/NDF: 1425872.1/41

All: 92.069+/-0.009 χ^2/NDF: 3886326.8/85

- sign 92.487+/-0.013 χ^2/NDF: 2458404.0/43



Right In: -269.403+/-418.857 χ^2/NDF: 23.4/16

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -906.353+/-396.871 χ^2/NDF: 15.4/20

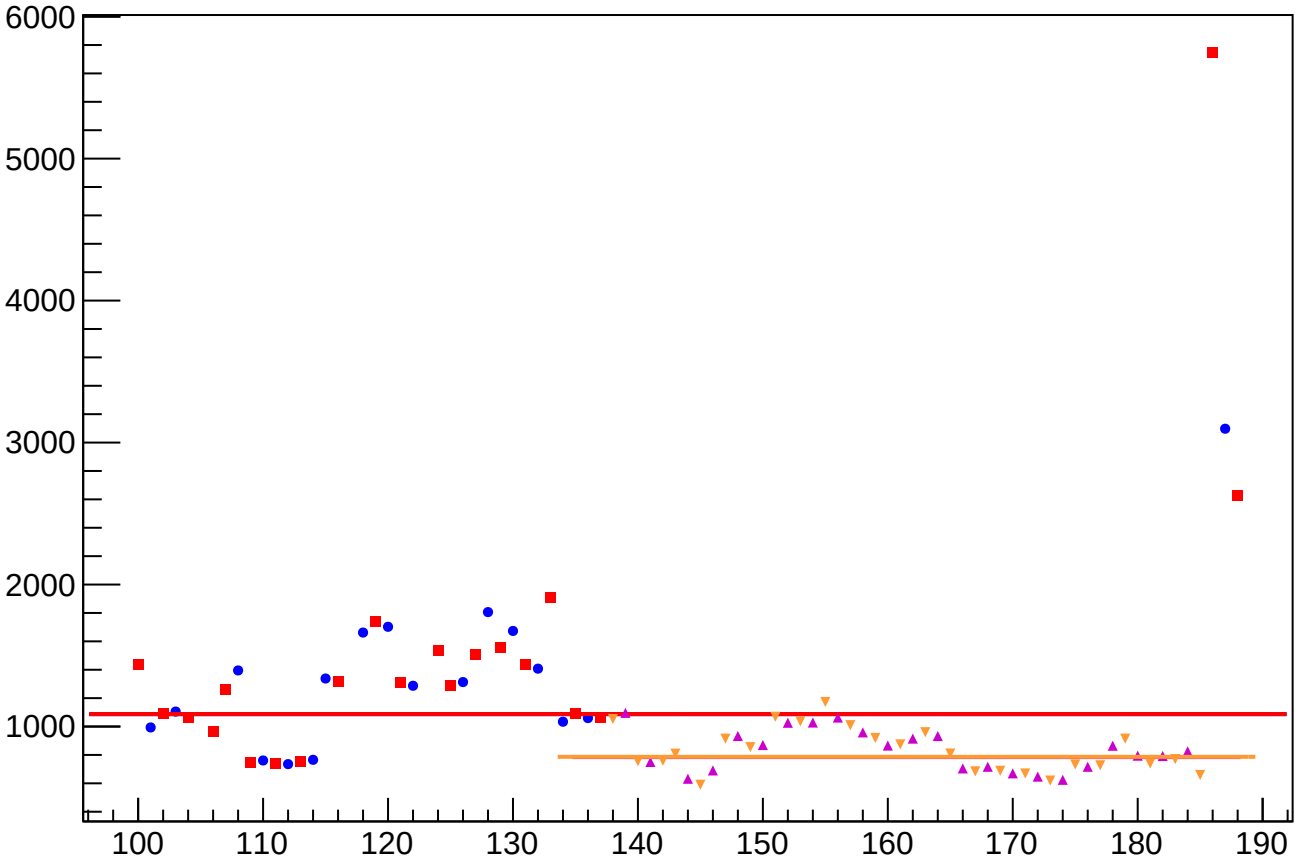
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -781.557+/-167.068 χ^2/NDF: 92.9/41

All: -532.281+/-118.758 χ^2/NDF: 140.1/85

- sign -277.671+/-168.846 χ^2/NDF: 42.7/43

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1087.011+/-0.296 χ^2/NDF: 1212932.7/16

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1087.978+/-0.281 χ^2/NDF: 2404475.9/20

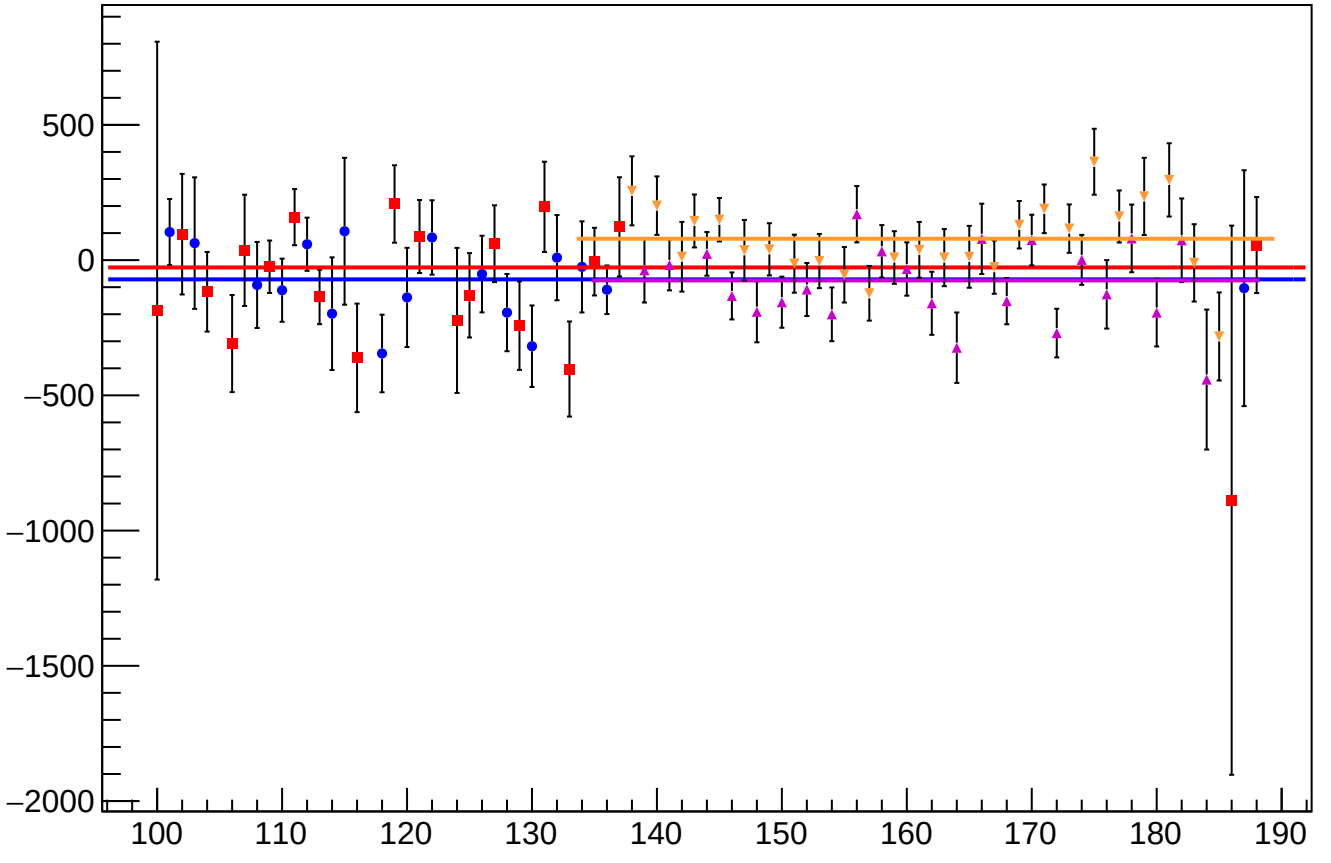
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 834.527+/-0.118 χ^2/NDF: 3288036.8/41

All: 837.088+/-0.084 χ^2/NDF: 7712895.9/85

- sign 839.703+/-0.119 χ^2/NDF: 4423909.2/43

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -71.115+/-35.009 χ^2/NDF: 14.1/16

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -27.055+/-33.608 χ^2/NDF: 24.9/20

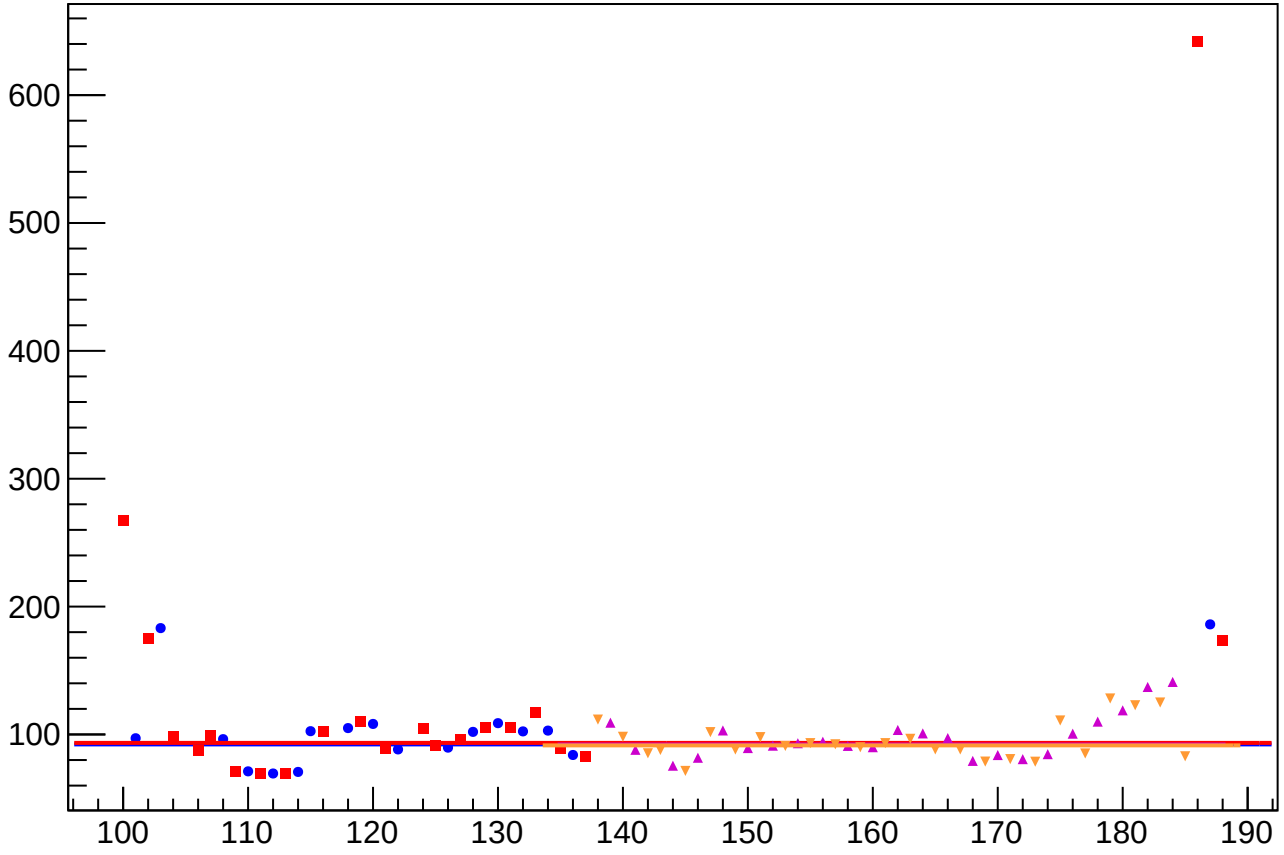
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 39.072+/-18.073 χ^2/NDF: 59.5/41

All: -10.211+/-12.863 χ^2/NDF: 133.6/85

- sign -60.802+/-18.311 χ^2/NDF: 59.0/43

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 92.217+/-0.025 χ^2/NDF: 673975.4/16

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

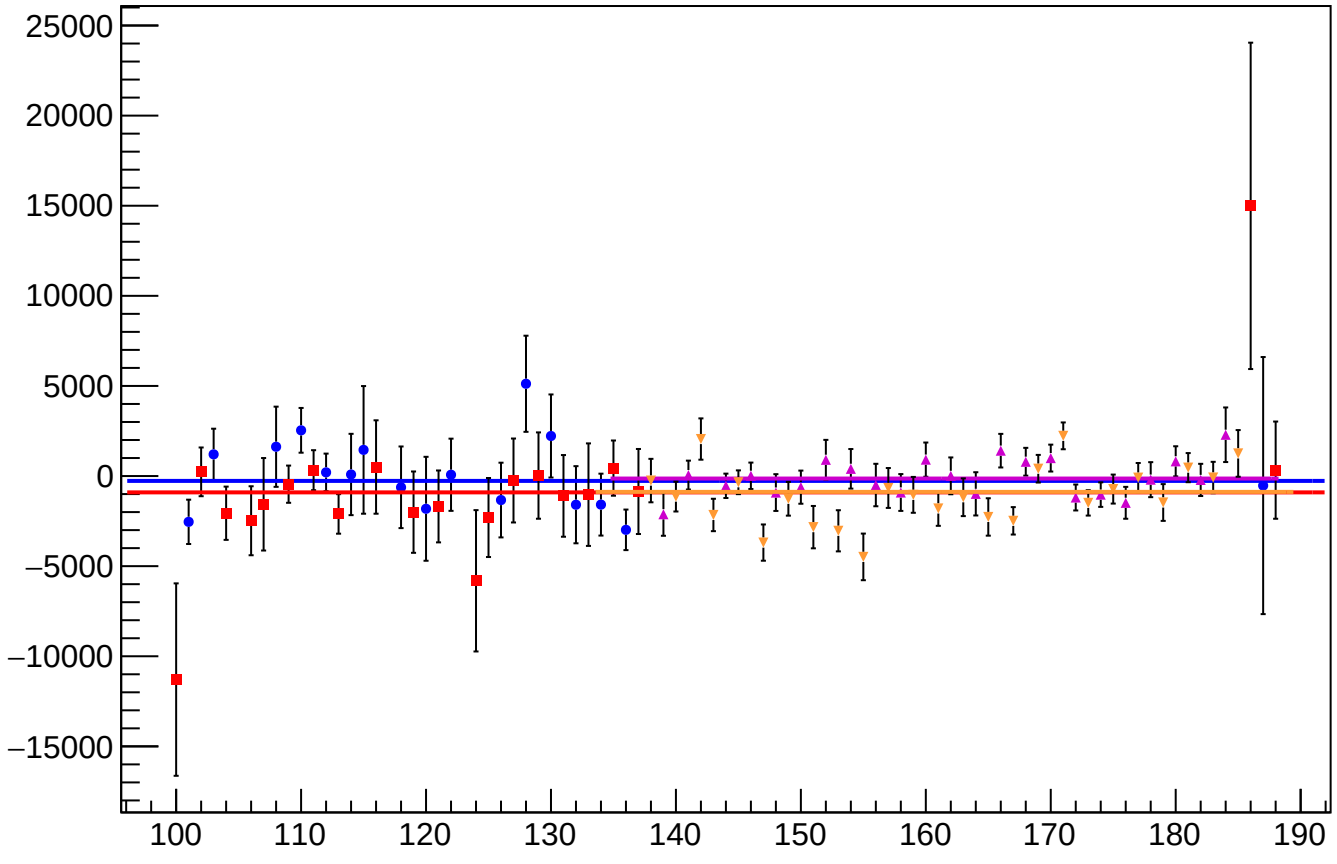
Right Out: 93.402+/-0.024 χ^2/NDF: 1756704.7/20

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.663+/-0.013 χ^2/NDF: 1425872.1/41

All: 92.069+/-0.009 χ^2/NDF: 3886326.8/85

- sign 92.487+/-0.013 χ^2/NDF: 2458404.0/43



Right In: -269.403+/-418.857 χ^2/NDF: 23.4/16

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

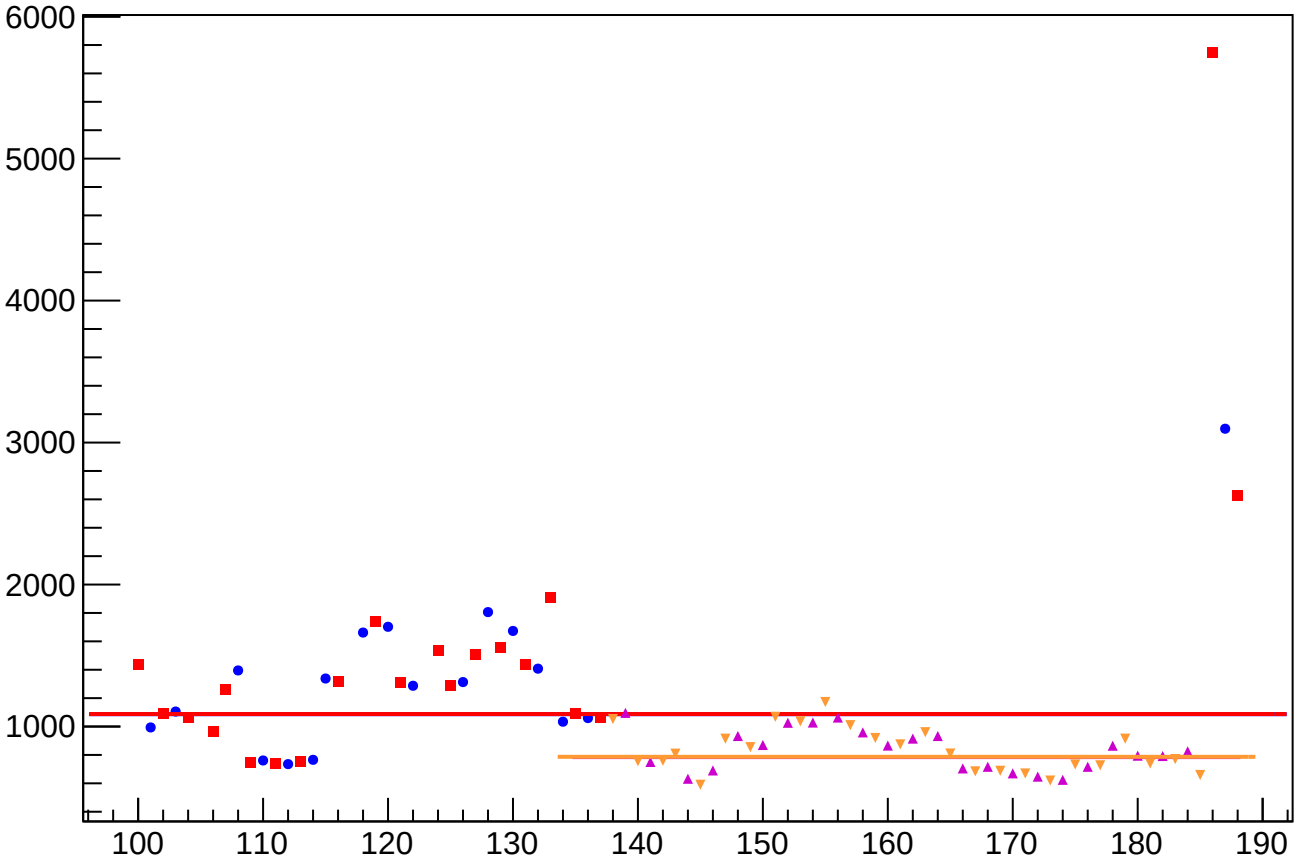
Right Out: -906.353+/-396.871 χ^2/NDF: 15.4/20

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -781.557+/-167.068 χ^2/NDF: 92.9/41

All: -532.281+/-118.758 χ^2/NDF: 140.1/85

- sign -277.671+/-168.846 χ^2/NDF: 42.7/43



Right In: 1087.011+/-0.296 χ^2/NDF: 1212932.7/16

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1087.978+/-0.281 χ^2/NDF: 2404475.9/20

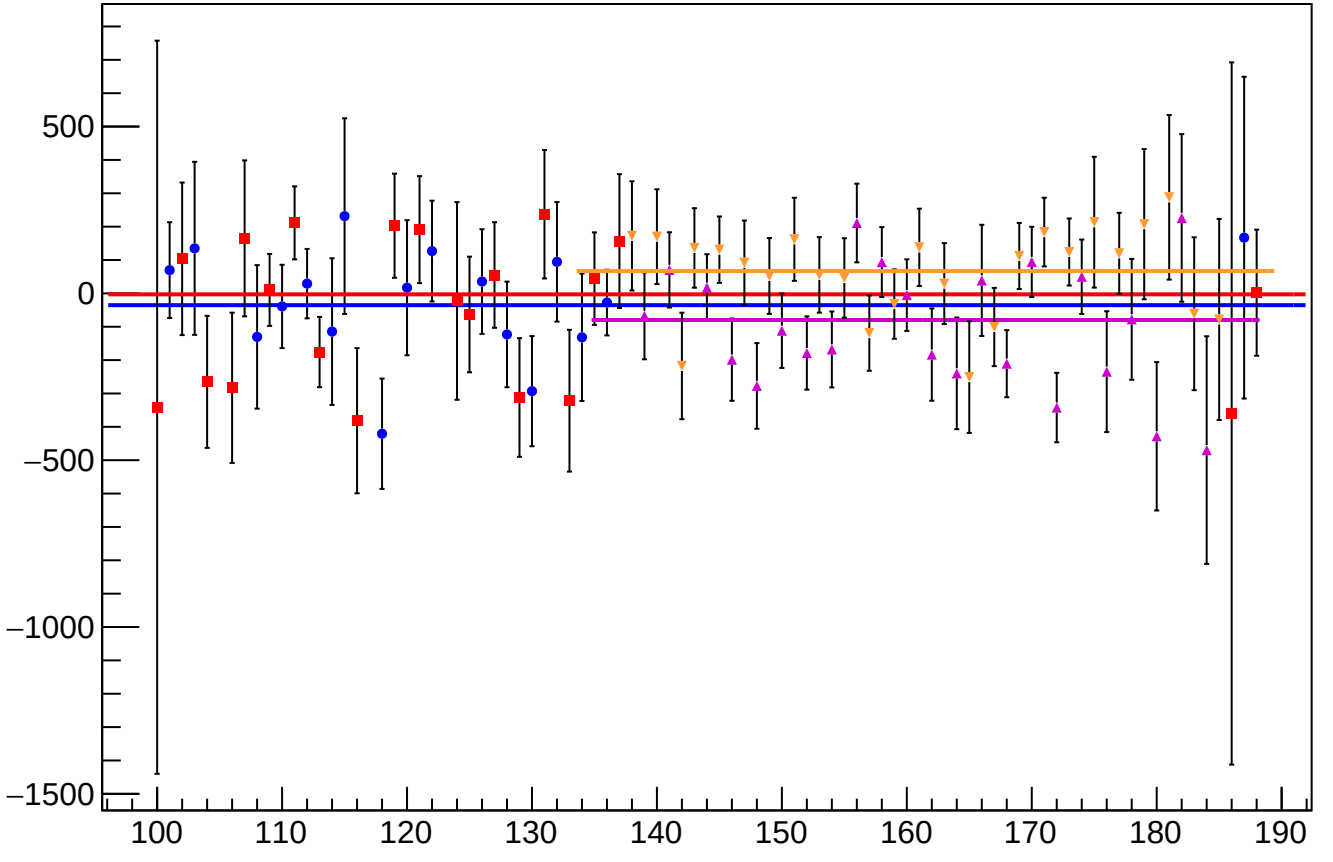
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 834.527+/-0.118 χ^2/NDF: 3288036.8/41

All: 837.088+/-0.084 χ^2/NDF: 7712895.9/85

- sign 839.703+/-0.119 χ^2/NDF: 4423909.2/43

dit_asym_sam_3748_avg_mean vs Slug



Right In: -35.268+/-38.864 χ^2/NDF: 13.1/16

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -2.840+/-37.386 χ^2/NDF: 24.9/20

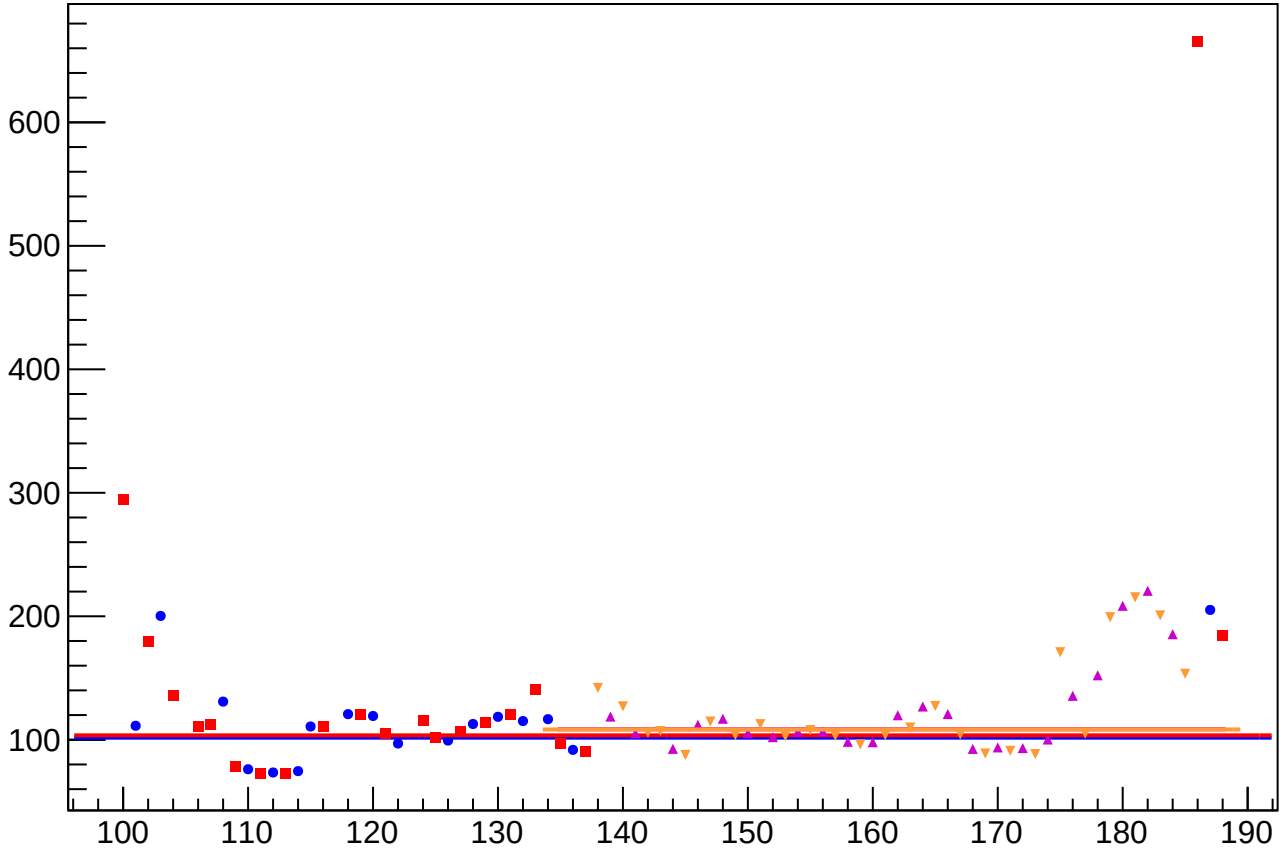
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 36.009+/-21.369 χ^2/NDF: 37.5/41

All: -8.850+/-15.160 χ^2/NDF: 111.0/85

- sign -54.302+/-21.510 χ^2/NDF: 64.6/43

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.707+/-0.027 χ^2/NDF: 808723.5/16

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

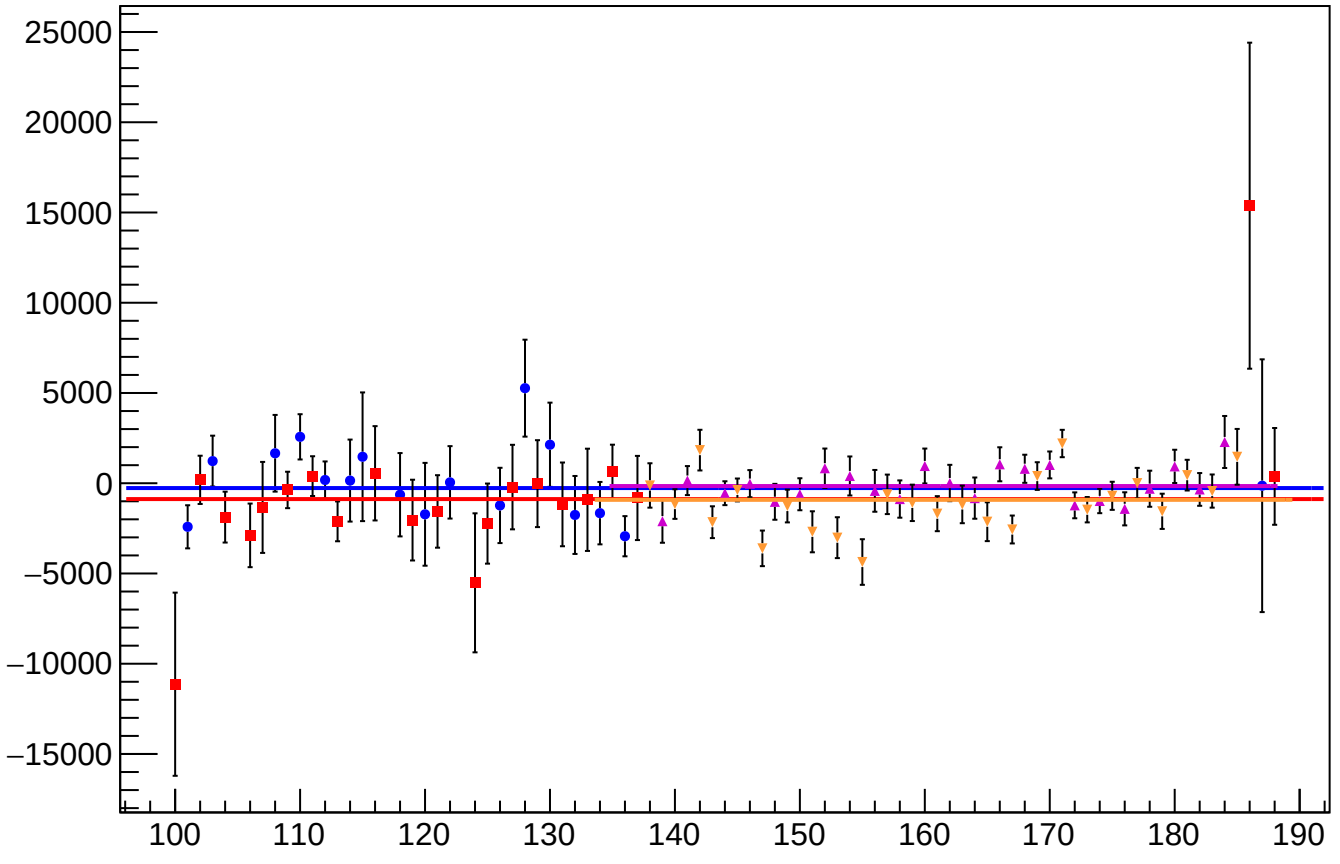
Right Out: 103.576+/-0.026 χ^2/NDF: 1837413.8/20

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 106.328+/-0.015 χ^2/NDF: 2623843.4/41

All: 106.595+/-0.011 χ^2/NDF: 5864417.9/85

- sign 106.865+/-0.015 χ^2/NDF: 3239946.7/43



Right In: -267.426+/-416.324 χ^2/NDF: 23.5/16

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -877.996+/-391.608 χ^2/NDF: 16.6/20

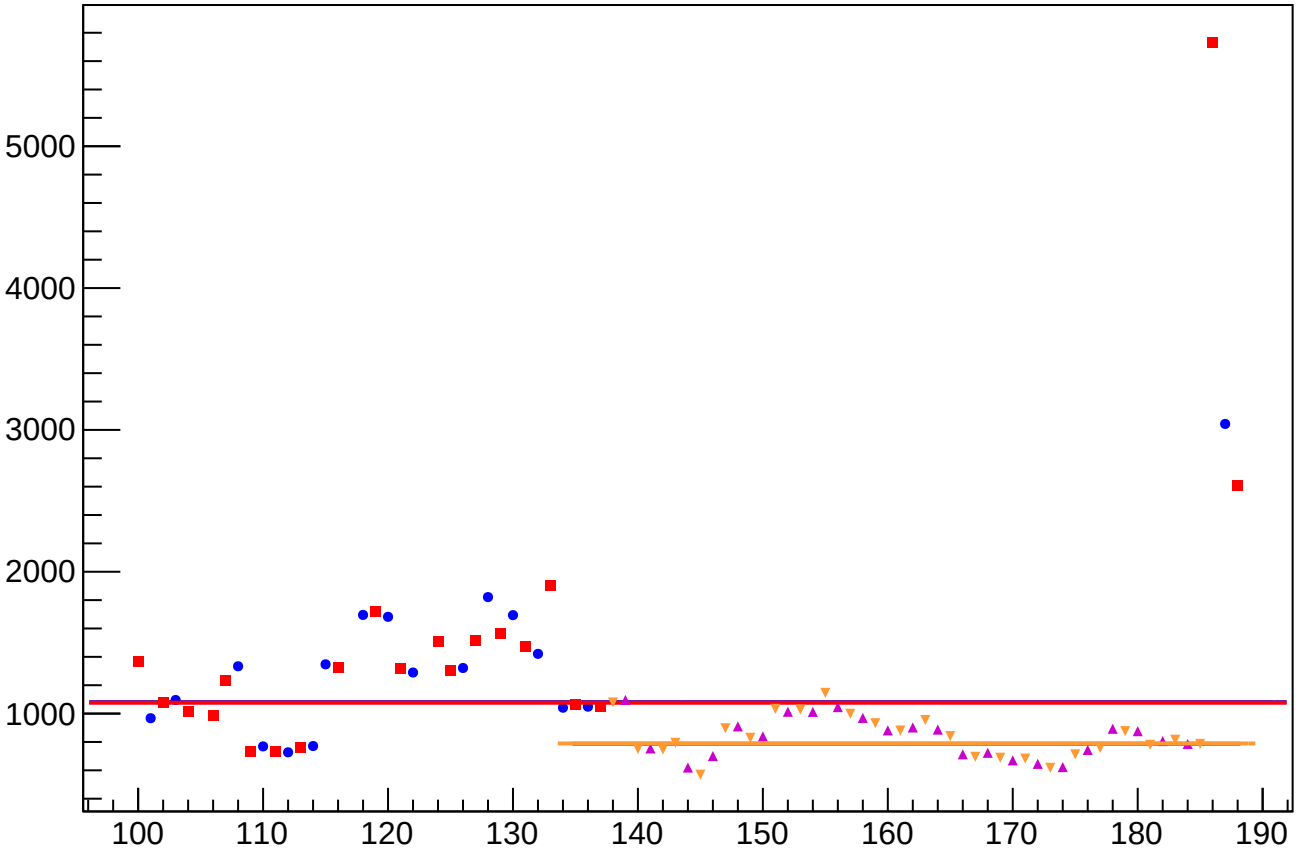
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -813.790+/-167.116 χ^2/NDF: 89.6/41

All: -554.619+/-118.771 χ^2/NDF: 136.9/85

- sign -290.095+/-168.833 χ^2/NDF: 42.5/43

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1080.415+/-0.294 χ^2/NDF: 1234585.9/16

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1077.000+/-0.277 χ^2/NDF: 2438102.8/20

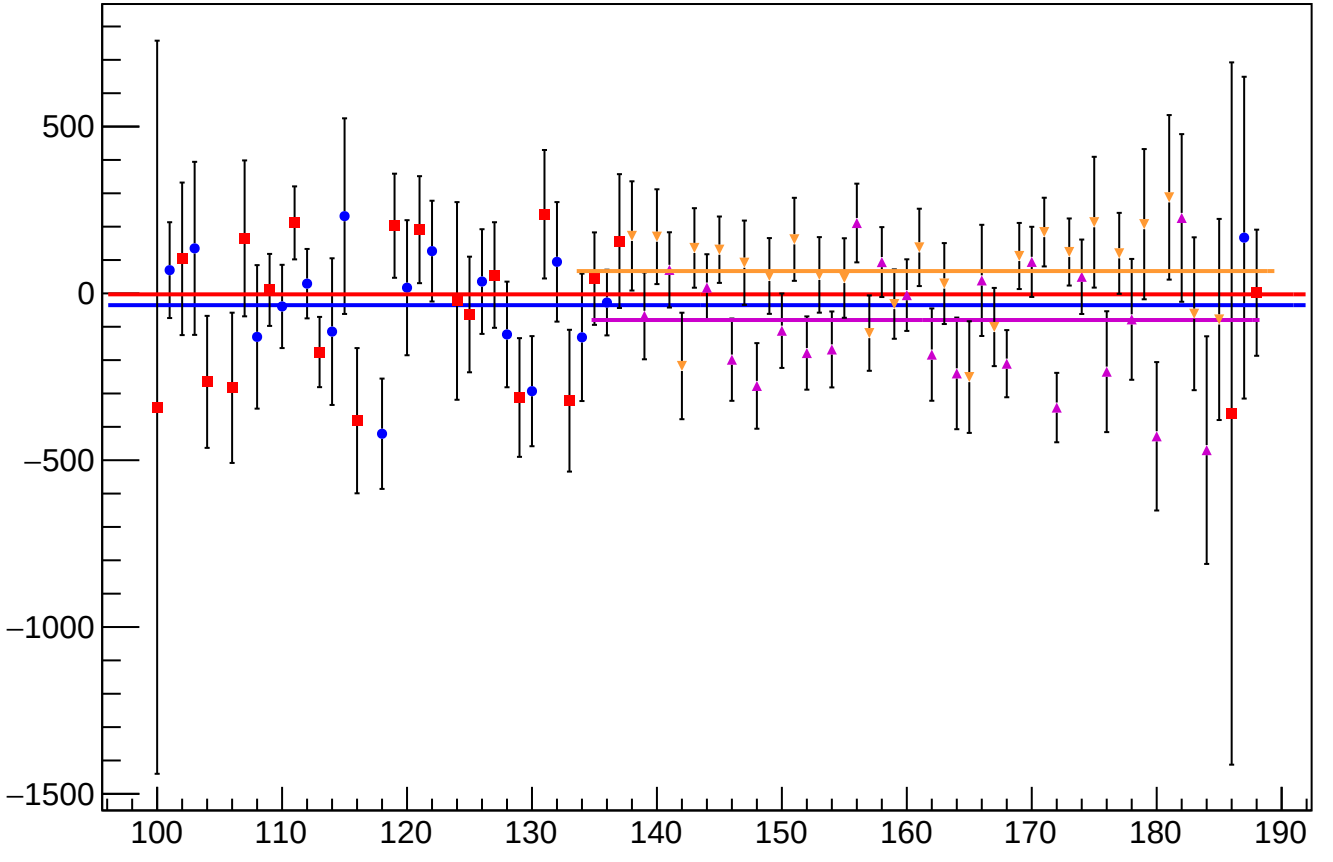
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 836.165+/-0.118 χ^2/NDF: 3232005.1/41

All: 838.667+/-0.084 χ^2/NDF: 7602936.0/85

- sign 841.220+/-0.119 χ^2/NDF: 4370025.3/43

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -35.267+/-38.864 χ^2/NDF: 13.1/16

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -2.838+/-37.386 χ^2/NDF: 24.9/20

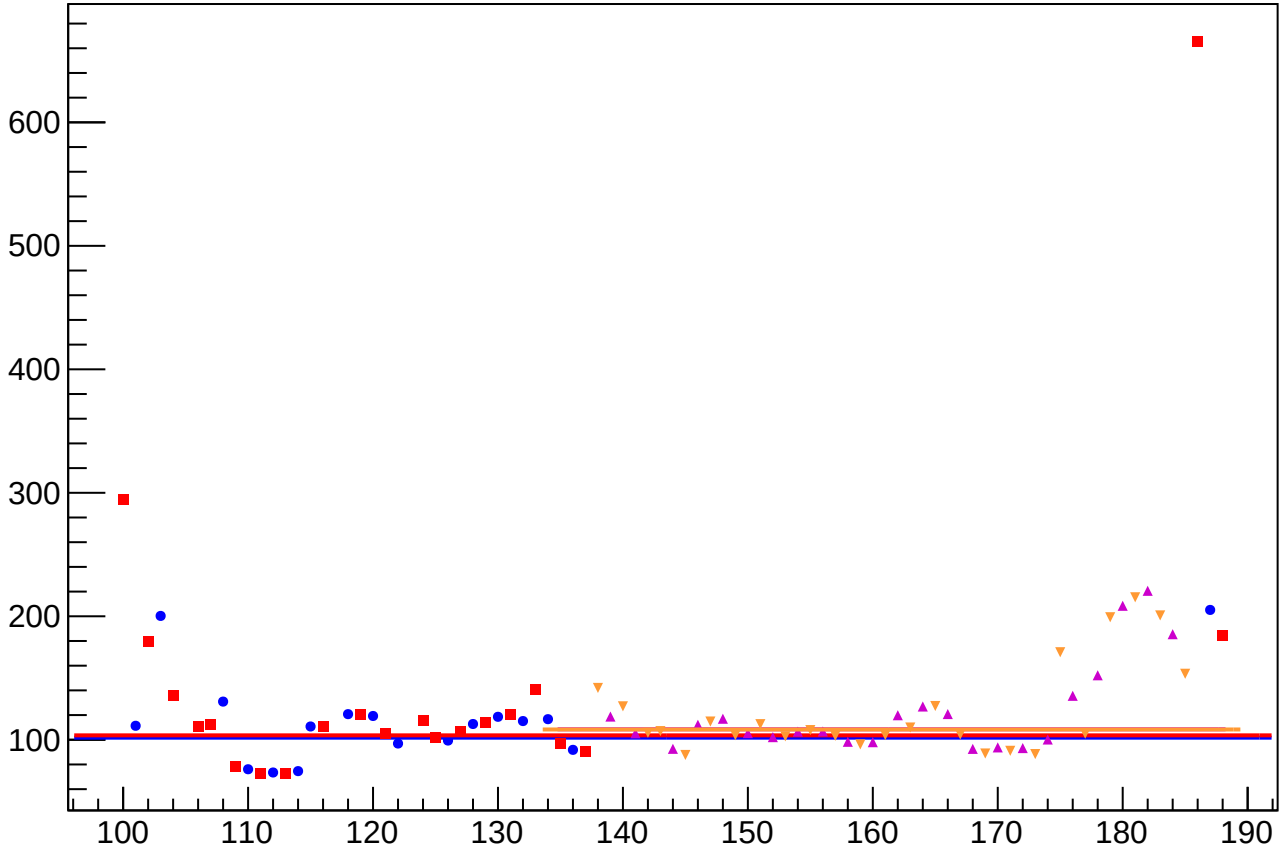
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 36.010+/-21.369 χ^2/NDF: 37.5/41

All: -8.849+/-15.160 χ^2/NDF: 111.0/85

- sign -54.301+/-21.510 χ^2/NDF: 64.6/43

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.707+/-0.027 χ^2/NDF: 808724.0/16

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

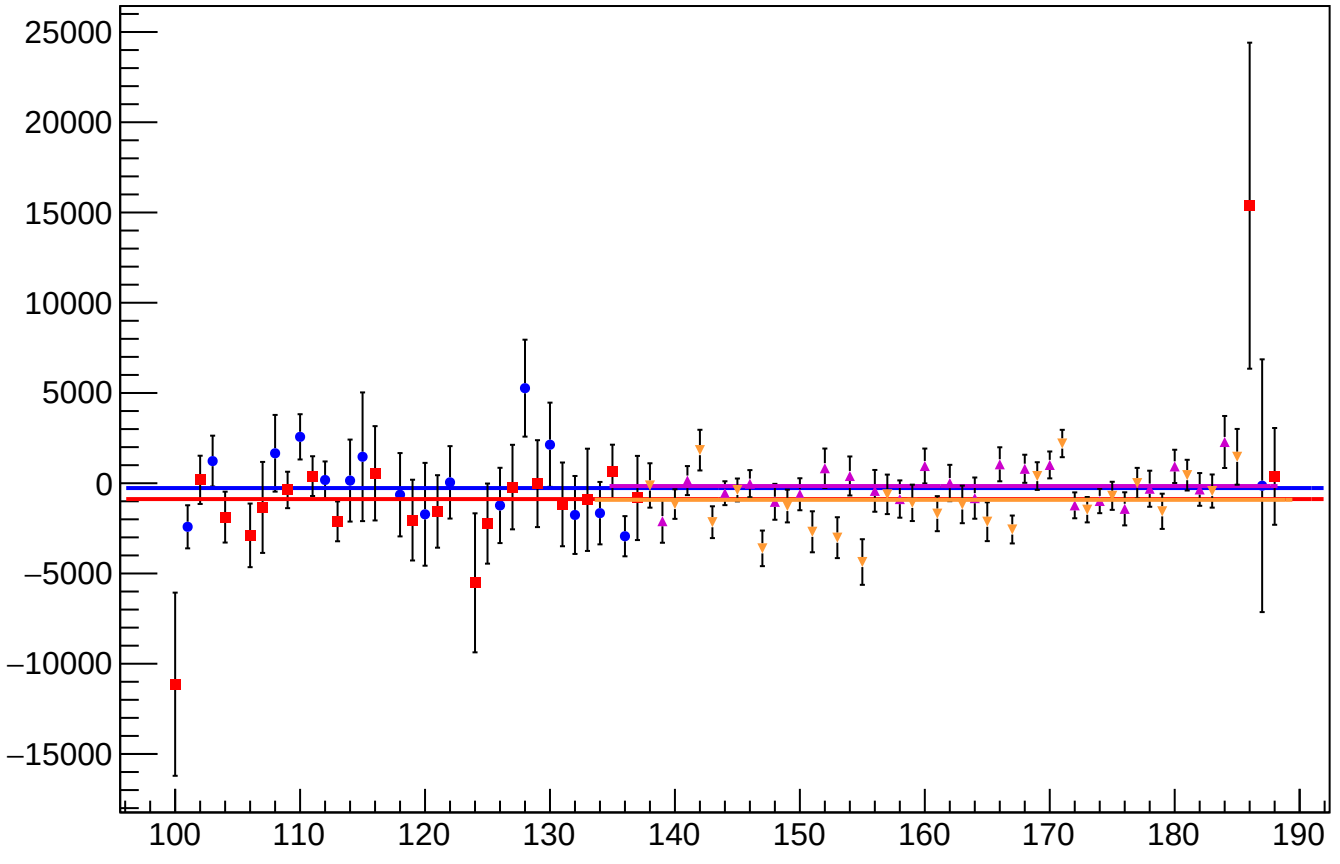
Right Out: 103.577+/-0.026 χ^2/NDF: 1837421.9/20

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 106.328+/-0.015 χ^2/NDF: 2623840.6/41

All: 106.595+/-0.011 χ^2/NDF: 5864405.9/85

- sign 106.865+/-0.015 χ^2/NDF: 3239937.3/43



Right In: -267.425+/-416.323 χ^2/NDF: 23.5/16

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

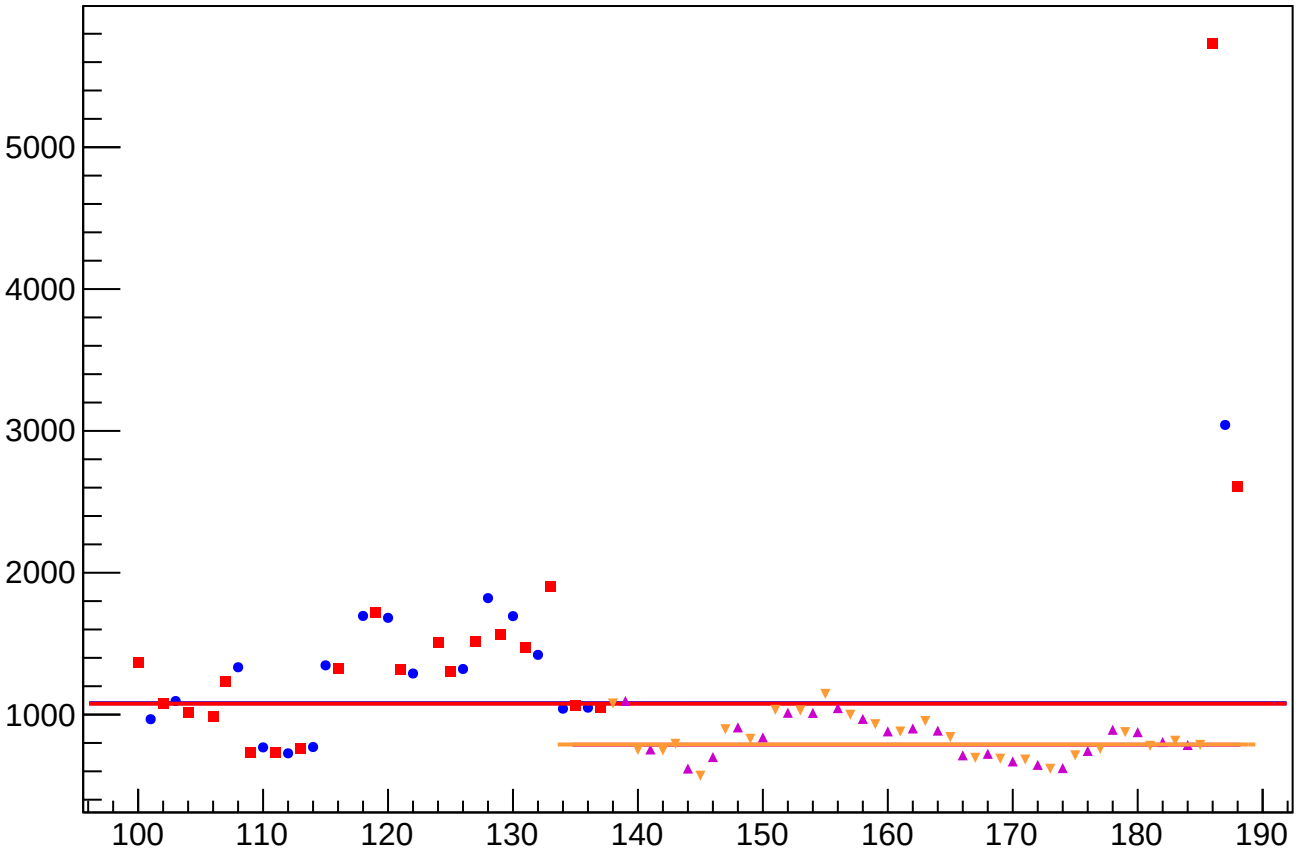
Right Out: -877.995+/-391.607 χ^2/NDF: 16.6/20

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -813.789+/-167.116 χ^2/NDF: 89.6/41

All: -554.618+/-118.771 χ^2/NDF: 136.9/85

- sign -290.094+/-168.833 χ^2/NDF: 42.5/43



Right In: 1080.413+/-0.294 χ^2/NDF: 1234591.5/16

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1076.999+/-0.277 χ^2/NDF: 2438104.2/20

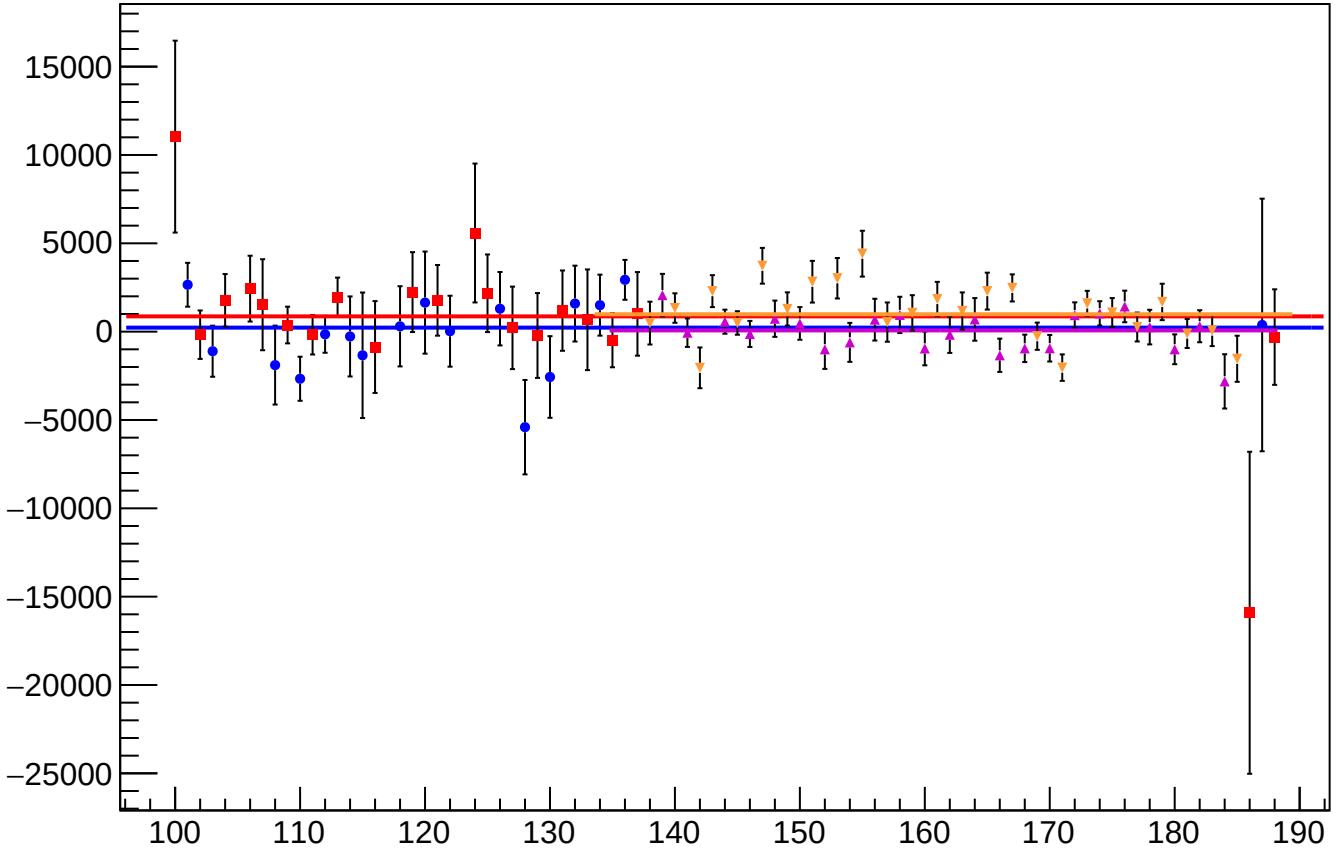
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 836.163+/-0.118 χ^2/NDF: 3232013.0/41

All: 838.665+/-0.084 χ^2/NDF: 7602946.5/85

- sign 841.218+/-0.119 χ^2/NDF: 4370027.8/43

asym_sam_3748_avg_mean vs Slug



Right In: 228.023+/-421.105 χ^2/NDF: 24.4/16

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 864.774+/-398.315 χ^2/NDF: 14.8/20

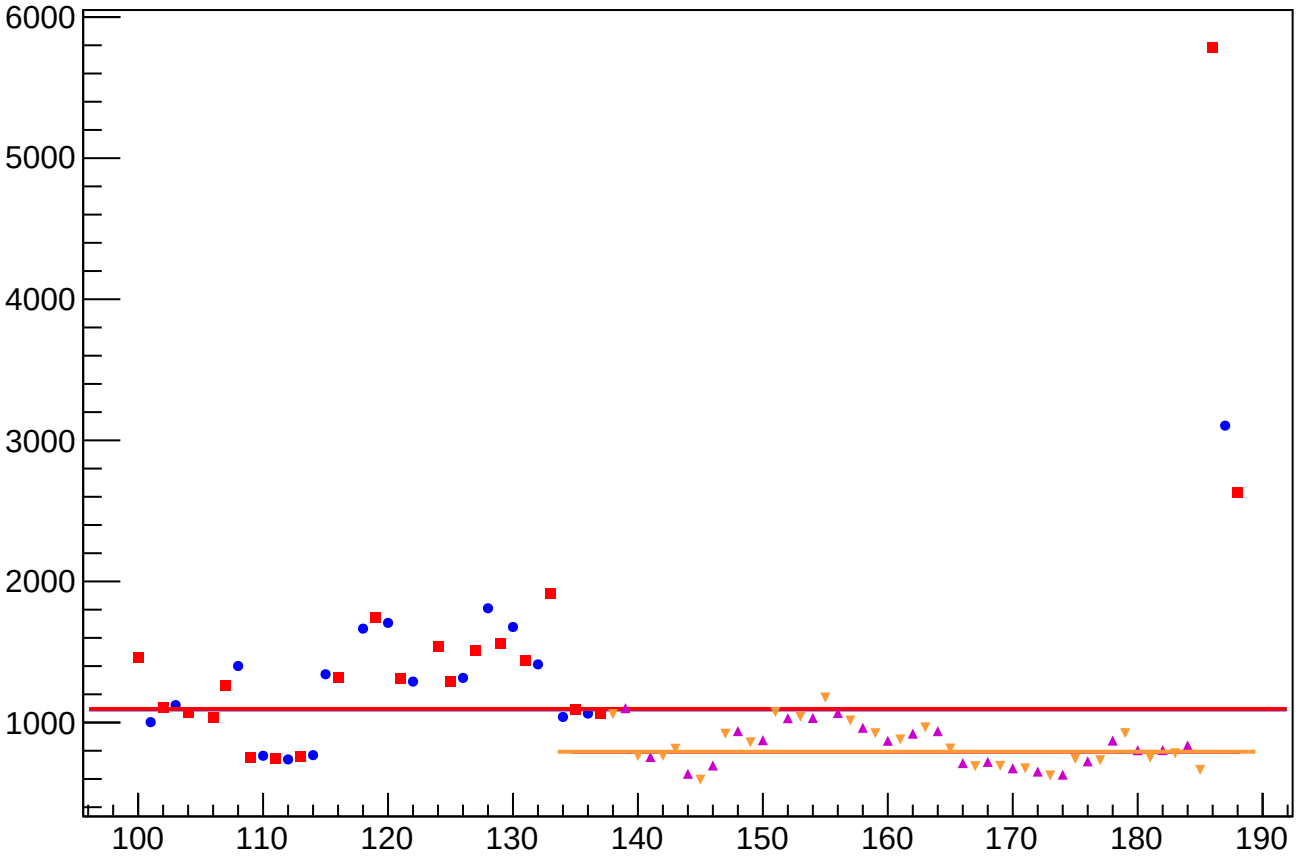
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 864.639+/-168.300 χ^2/NDF: 90.9/41

All: 543.119+/-119.617 χ^2/NDF: 140.7/85

- sign 214.915+/-170.040 χ^2/NDF: 42.5/43

asym_sam_3748_avg_rms vs Slug



Right In: 1093.141+/-0.298 χ^2/NDF: 1206335.4/16

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1096.147+/-0.282 χ^2/NDF: 2392295.8/20

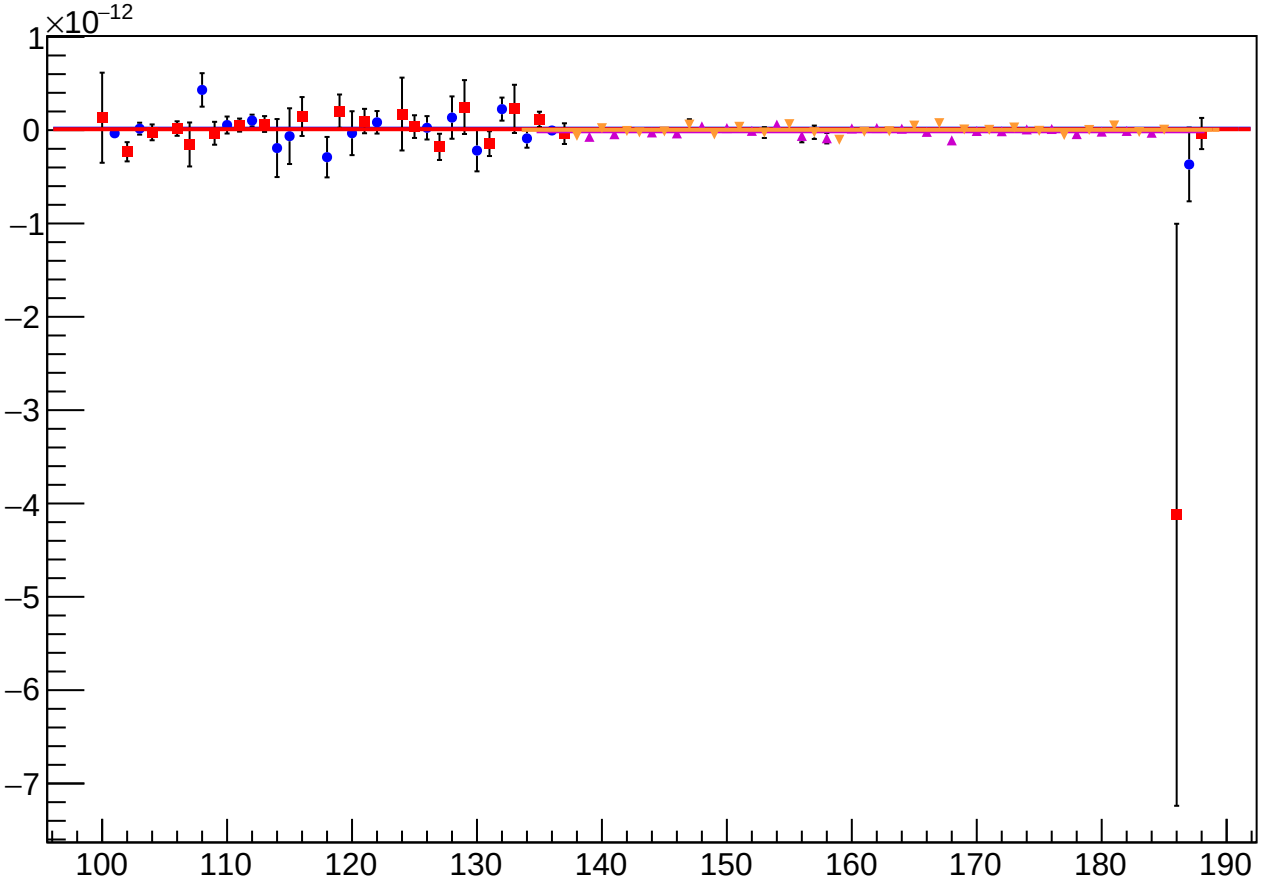
Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

\+ sign 840.985+/-0.119 χ^2/NDF: 3253741.3/41

All: 843.832+/-0.085 χ^2/NDF: 7655209.2/85

\- sign 846.738+/-0.120 χ^2/NDF: 4400311.3/43

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

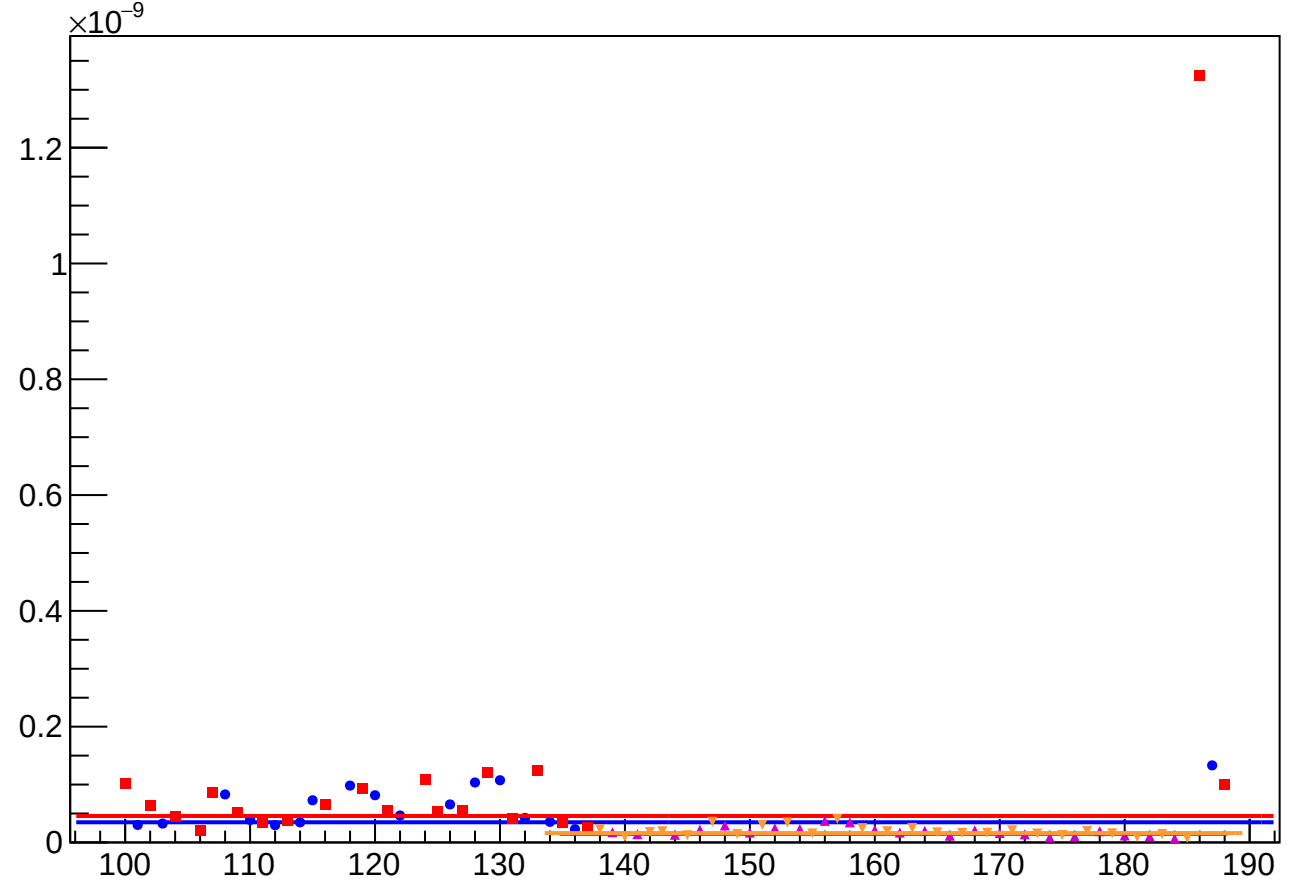
Right Out: 0.000+/-0.000 χ^2/NDF: 17.7/20

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.1/41

All: -0.000+/-0.000 χ^2/NDF: 98.8/85

- sign -0.000+/-0.000 χ^2/NDF: 43.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 1312937.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

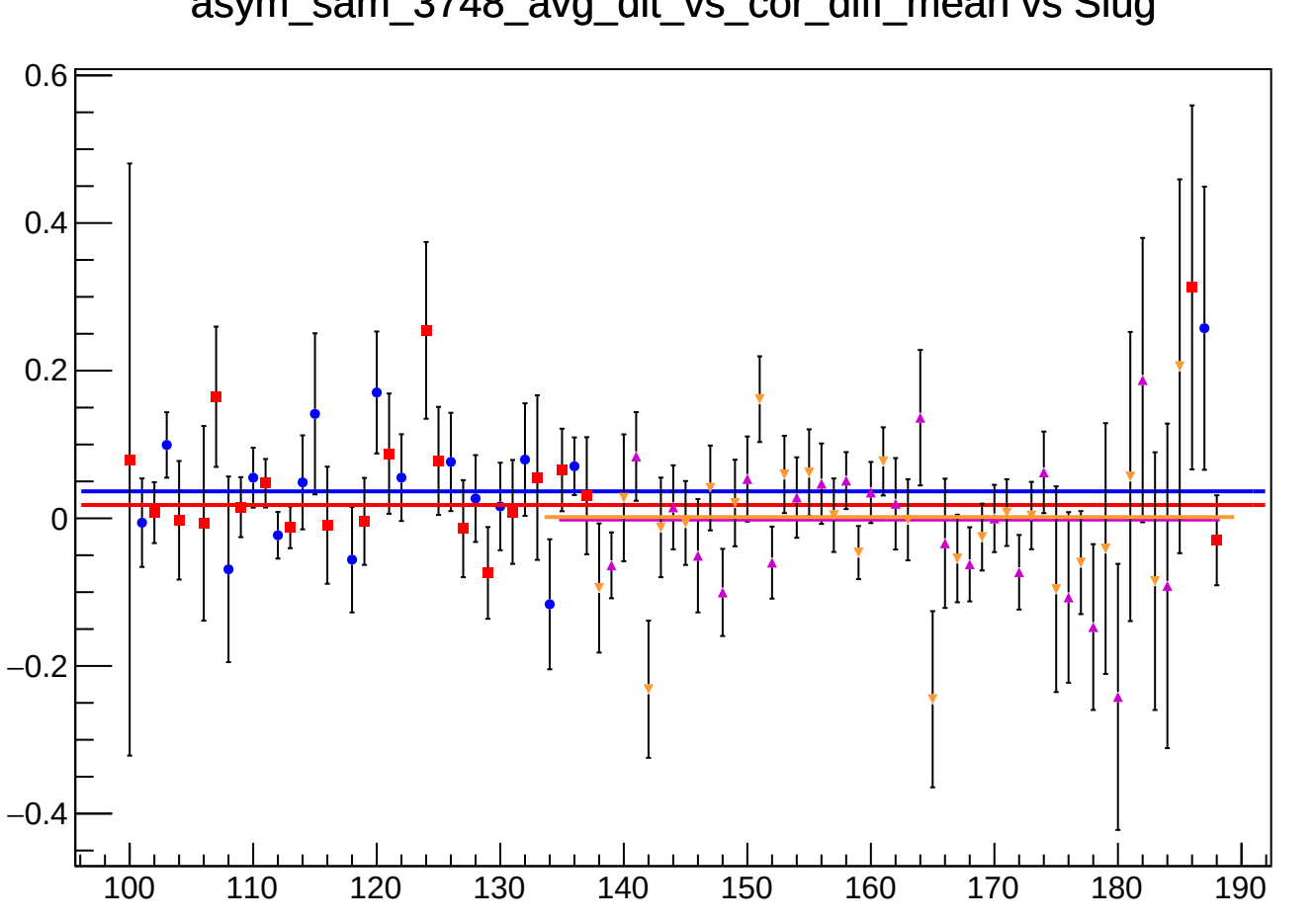
Right Out: 0.000+/-0.000 χ^2/NDF: 1627289.3/20

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4388866.7/41

All: 0.000+/-0.000 χ^2/NDF: 10265891.7/85

- sign 0.000+/-0.000 χ^2/NDF: 5843398.2/43



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.018+/-0.013 χ^2/NDF: 15.4/20

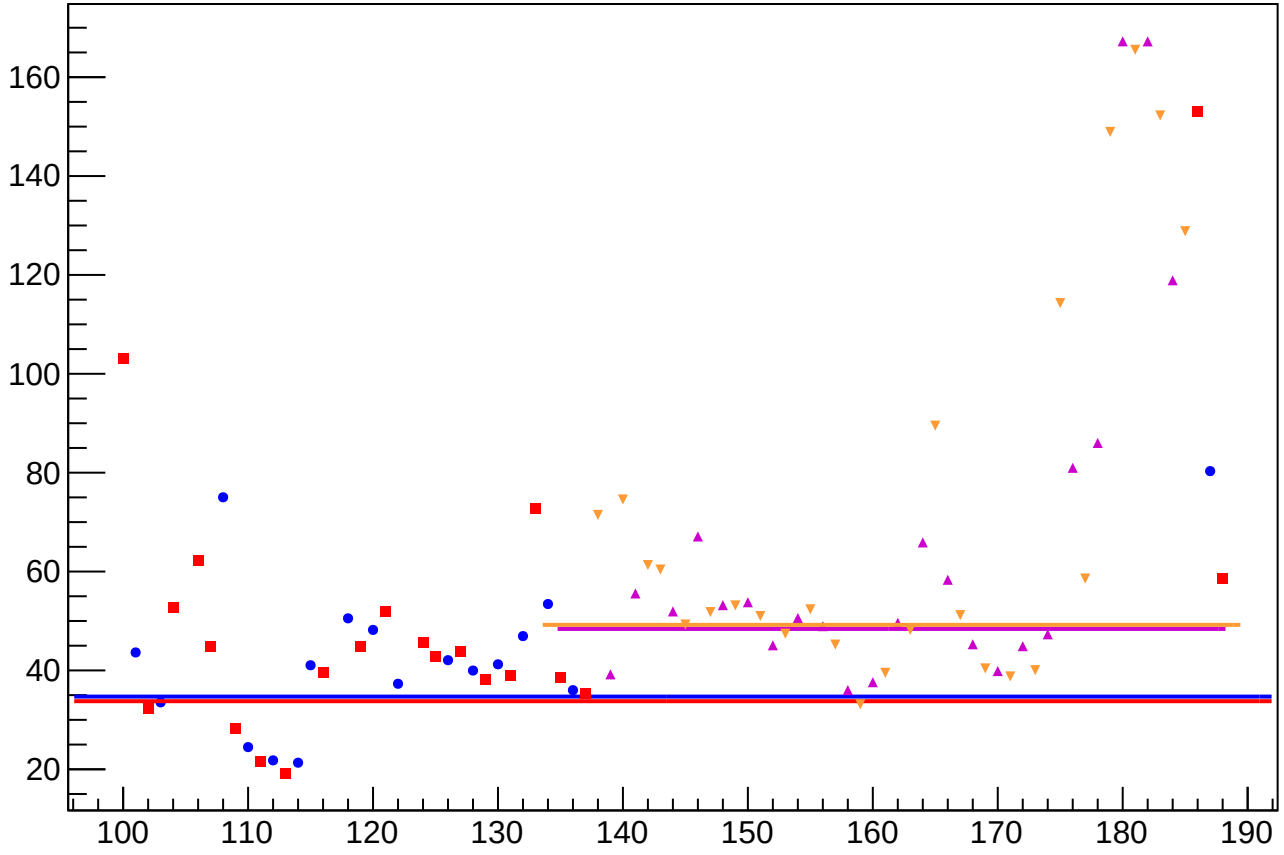
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.2/41

All: 0.012+/-0.006 χ^2/NDF: 95.5/85

- sign 0.008+/-0.009 χ^2/NDF: 42.7/43

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.707+/-0.010 χ^2/NDF: 1284906.3/16

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

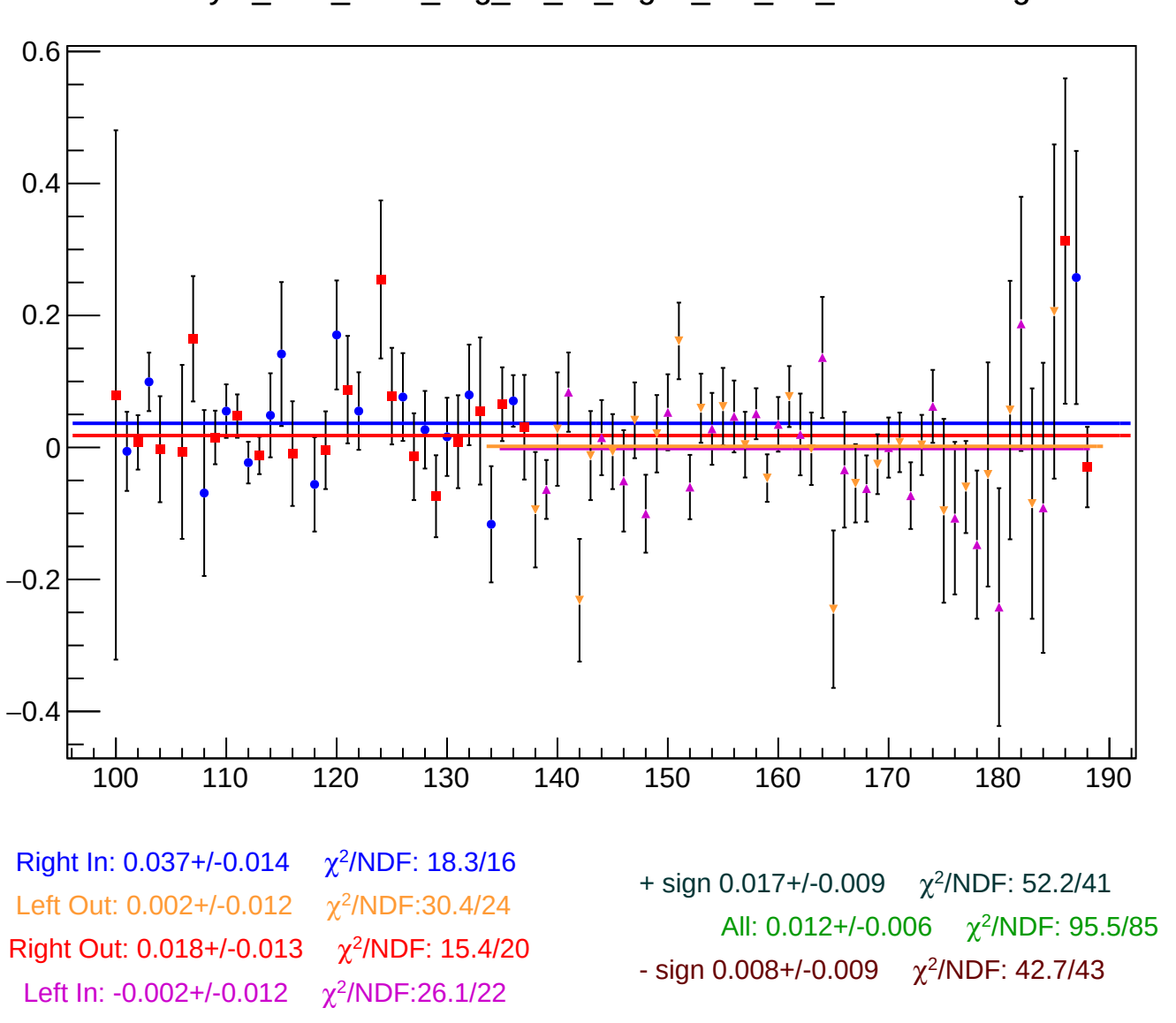
Right Out: 33.775+/-0.009 χ^2/NDF: 2498740.9/20

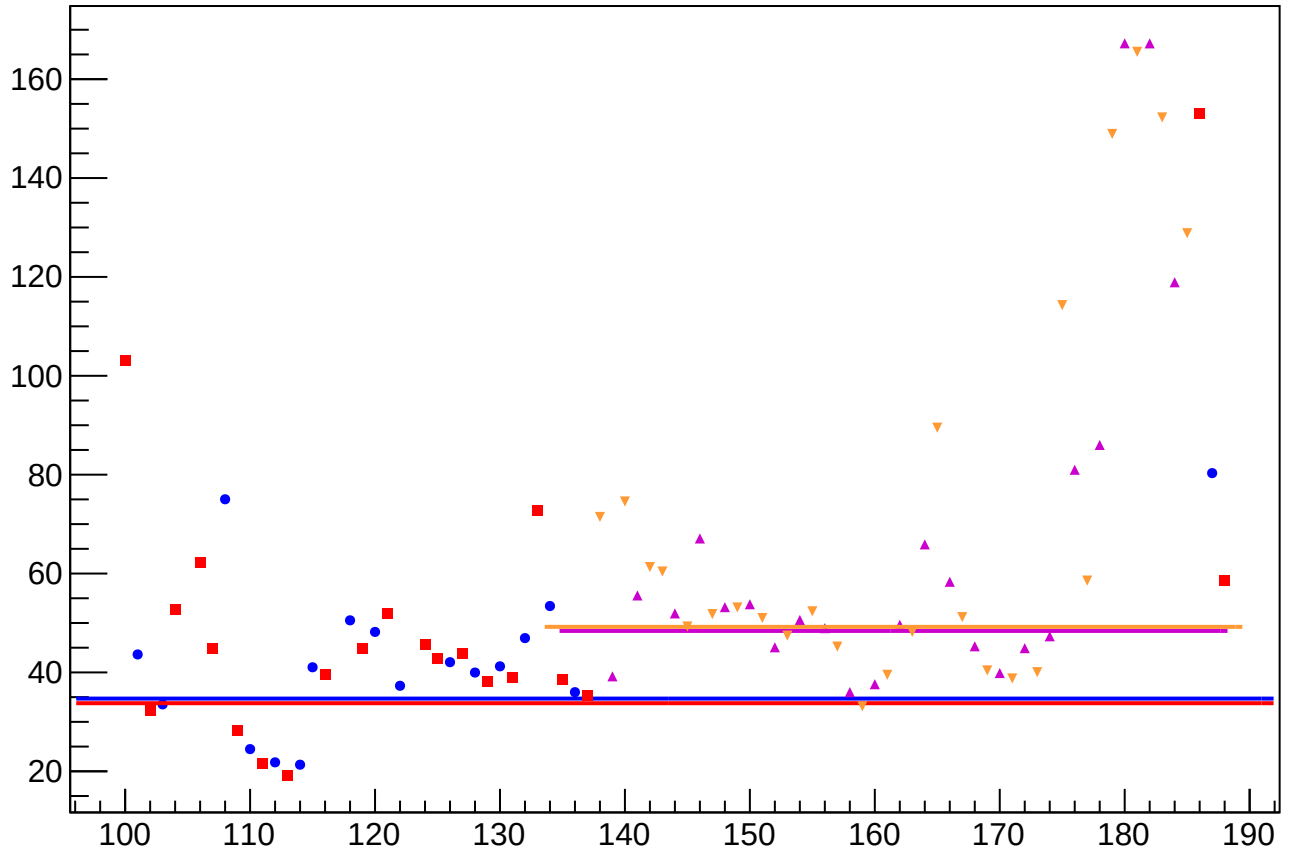
Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 42.823+/-0.007 χ^2/NDF: 6683382.5/41

All: 42.057+/-0.005 χ^2/NDF: 13589601.9/85

- sign 41.340+/-0.006 χ^2/NDF: 6879358.2/43


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.037+/-0.014 χ²/NDF: 18.3/16
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.018+/-0.013 χ²/NDF: 15.4/20
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.017+/-0.009 χ²/NDF: 52.2/41
All: 0.012+/-0.006 χ²/NDF: 95.5/85
- sign 0.008+/-0.009 χ²/NDF: 42.7/43



Right In: 34.707+/-0.010 χ^2/NDF: 1284906.3/16

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

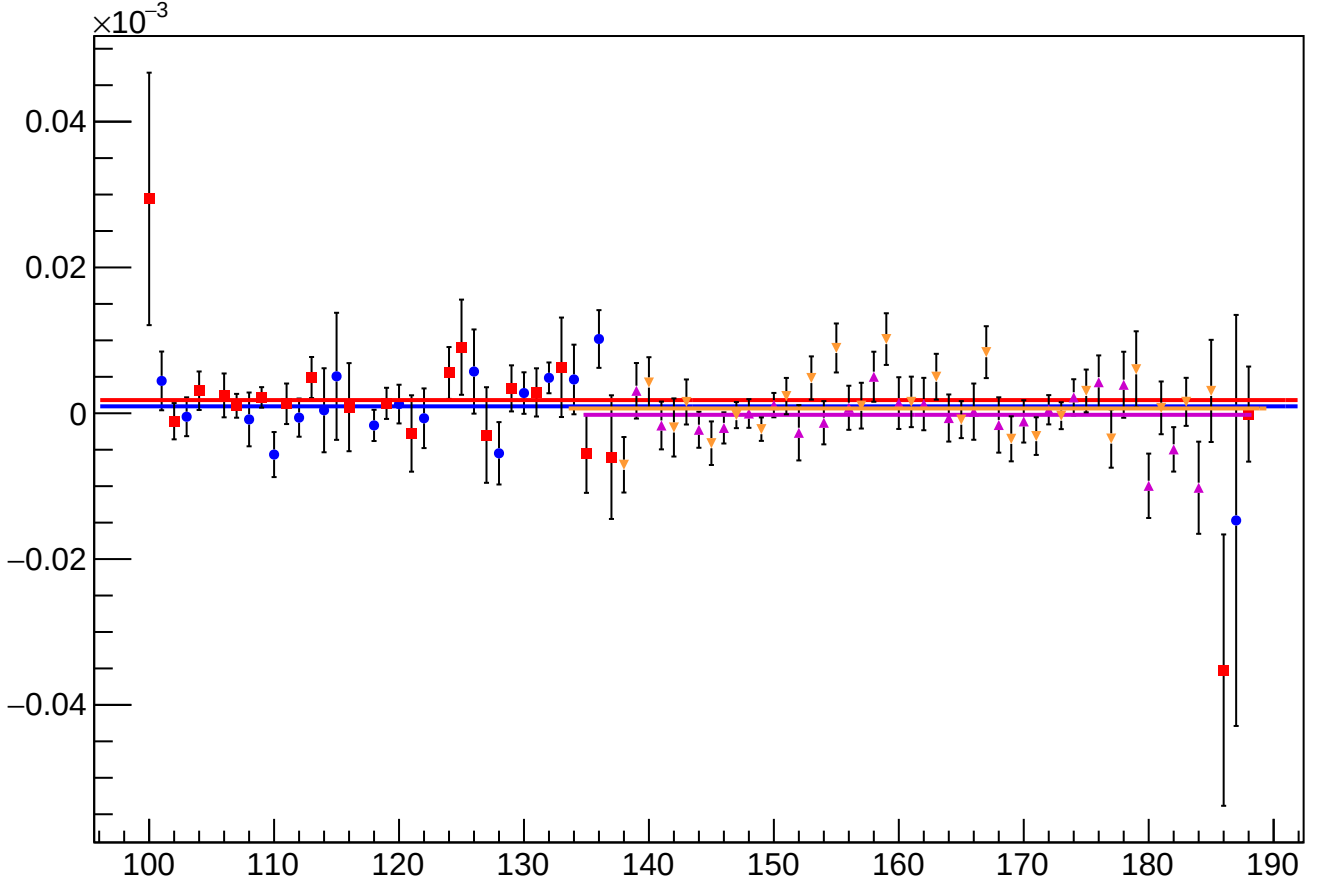
Right Out: 33.775+/-0.009 χ^2/NDF: 2498740.9/20

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 42.823+/-0.007 χ^2/NDF: 6683382.5/41

All: 42.057+/-0.005 χ^2/NDF: 13589601.9/85

- sign 41.340+/-0.006 χ^2/NDF: 6879358.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

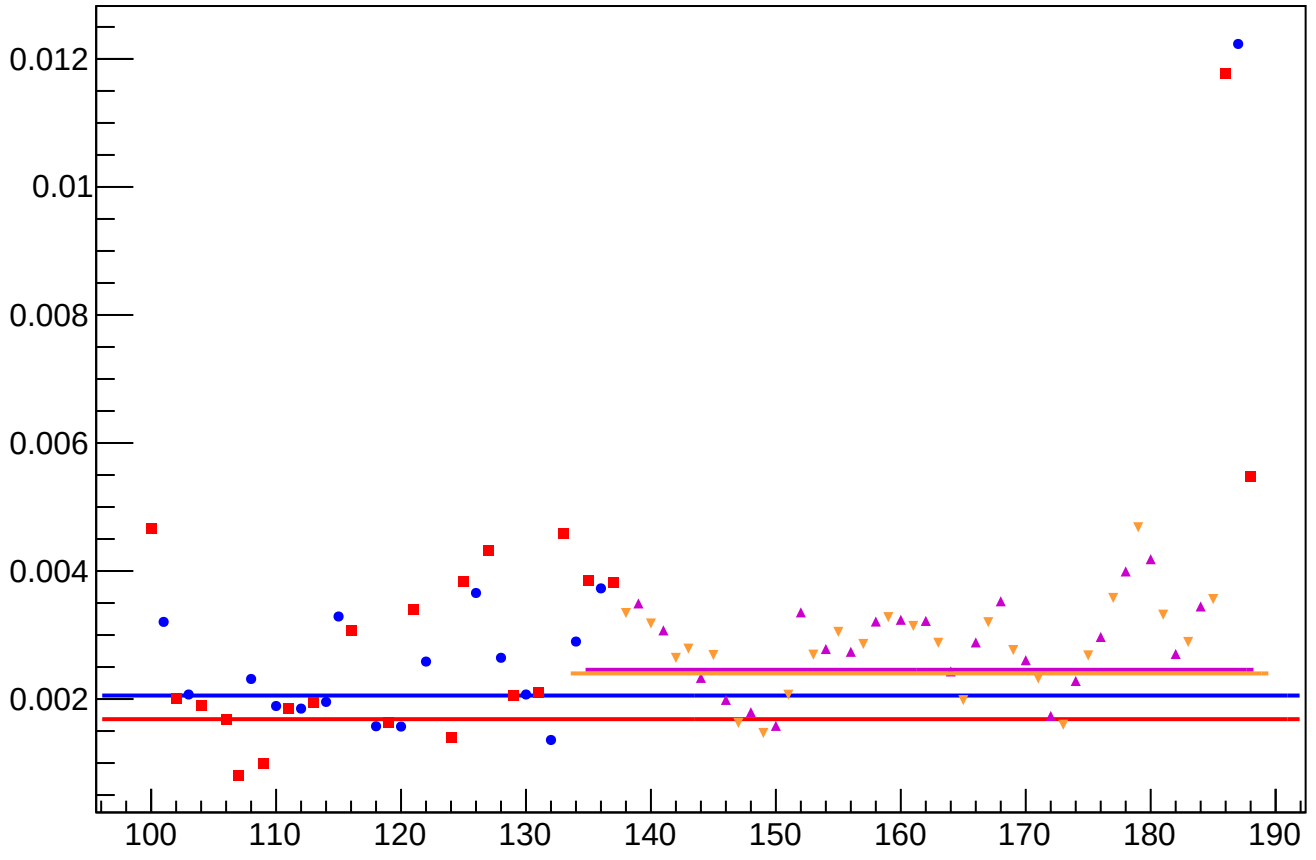
Right Out: 0.000+/-0.000 χ^2/NDF: 16.9/20

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.0/41

All: 0.000+/-0.000 χ^2/NDF: 104.8/85

- sign 0.000+/-0.000 χ^2/NDF: 41.8/43



Right In: 0.002+/-0.000 χ^2/NDF: 1521503.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

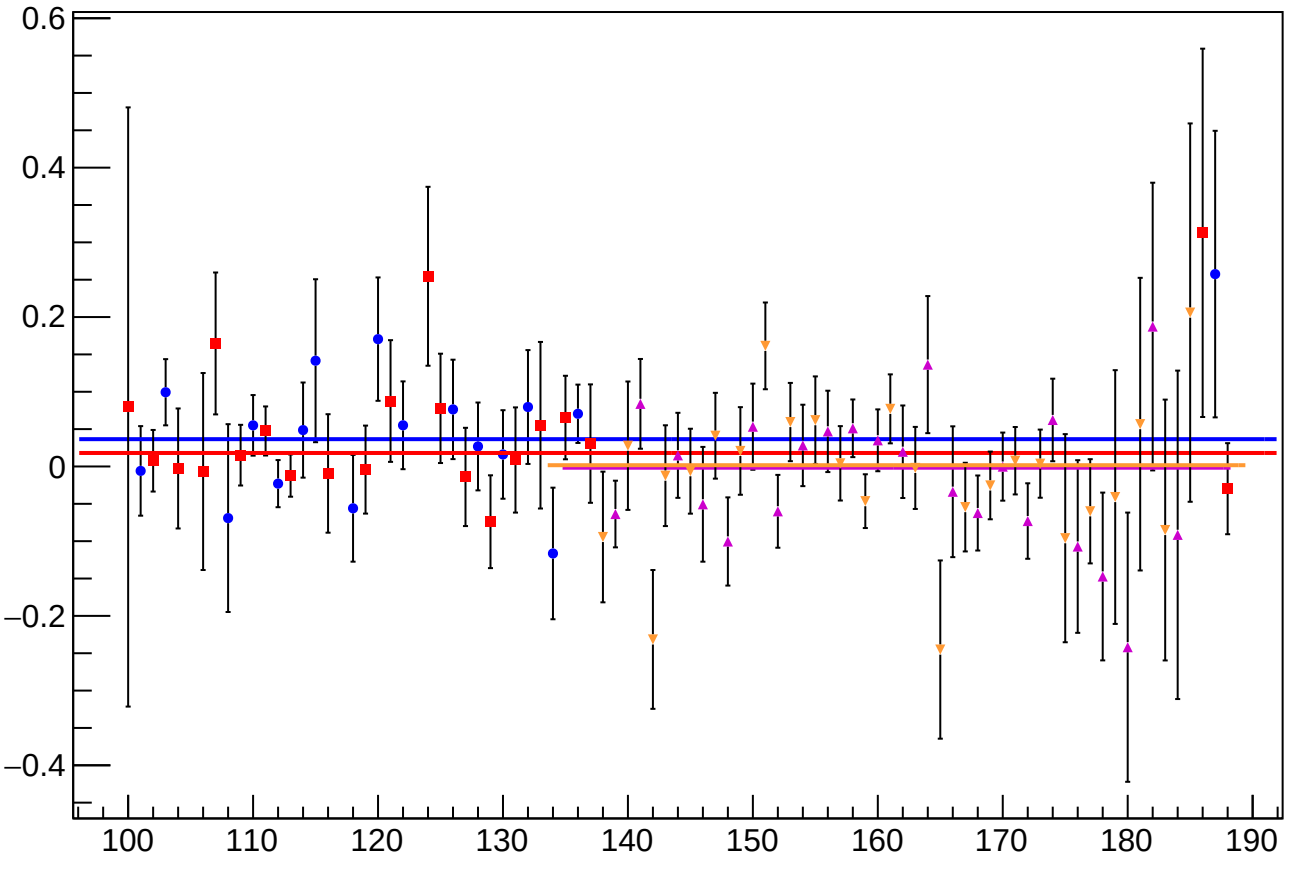
Right Out: 0.002+/-0.000 χ^2/NDF: 4202365.6/20

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 4888732.0/41

All: 0.002+/-0.000 χ^2/NDF: 13342295.1/85

- sign 0.002+/-0.000 χ^2/NDF: 8308622.3/43



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

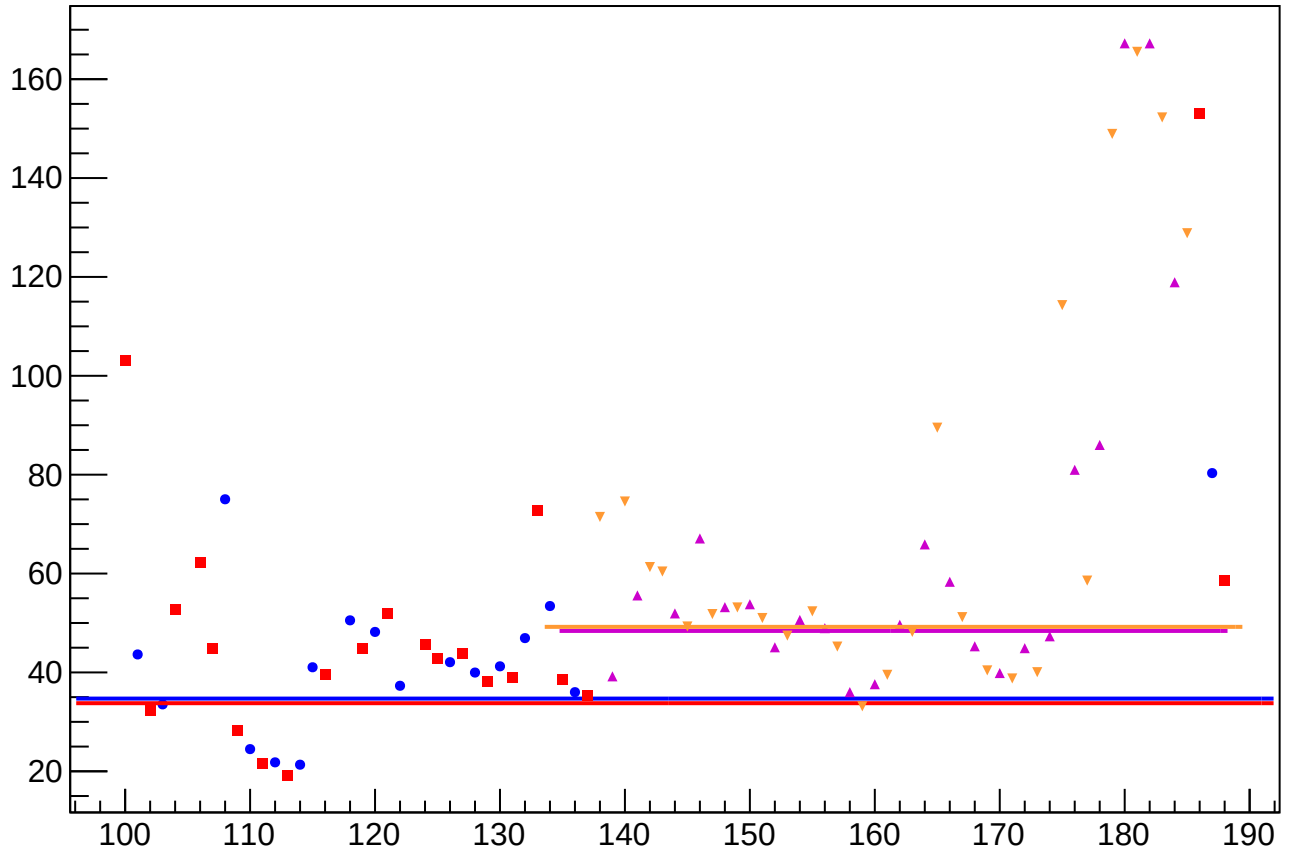
Right Out: 0.018+/-0.013 χ^2/NDF: 15.4/20

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.2/41

All: 0.012+/-0.006 χ^2/NDF: 95.5/85

- sign 0.008+/-0.009 χ^2/NDF: 42.7/43



Right In: 34.708+/-0.010 χ^2/NDF: 1284869.9/16

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

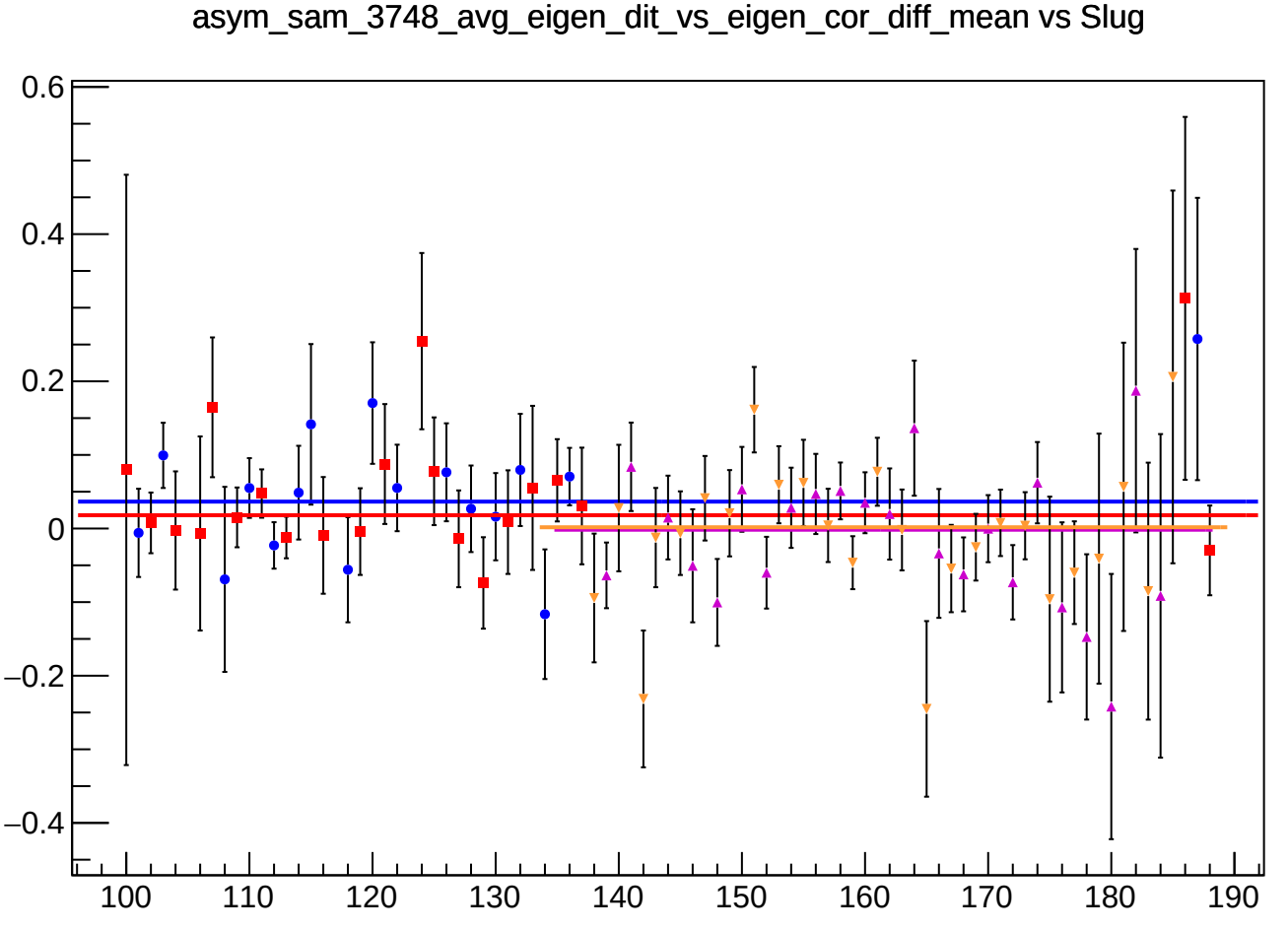
Right Out: 33.775+/-0.009 χ^2/NDF: 2498738.0/20

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 42.823+/-0.007 χ^2/NDF: 6683333.9/41

All: 42.057+/-0.005 χ^2/NDF: 13589514.9/85

- sign 41.340+/-0.006 χ^2/NDF: 6879321.4/43



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

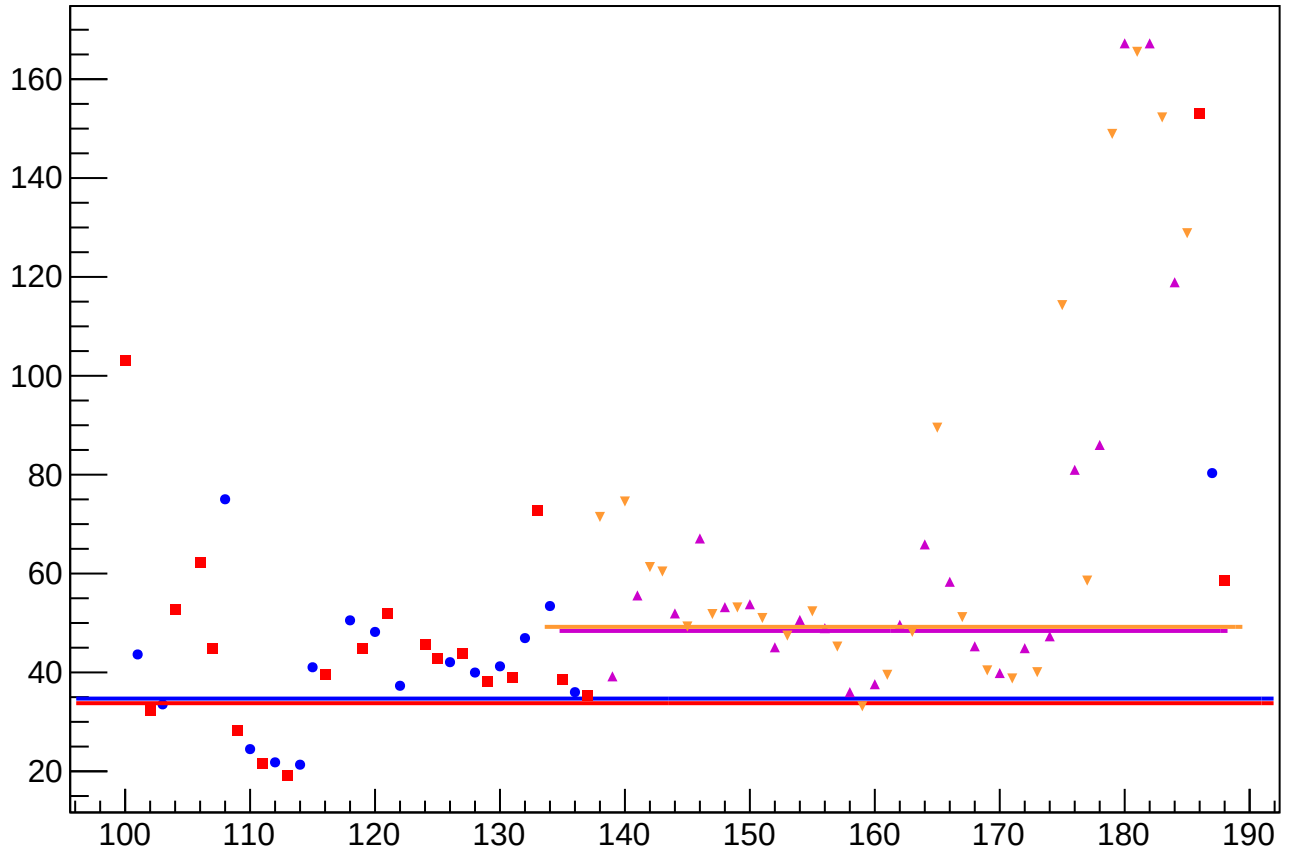
Right Out: 0.018+/-0.013 χ^2/NDF: 15.4/20

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.2/41

All: 0.012+/-0.006 χ^2/NDF: 95.5/85

- sign 0.008+/-0.009 χ^2/NDF: 42.7/43



Right In: 34.708+/-0.010 χ^2/NDF: 1284869.9/16

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

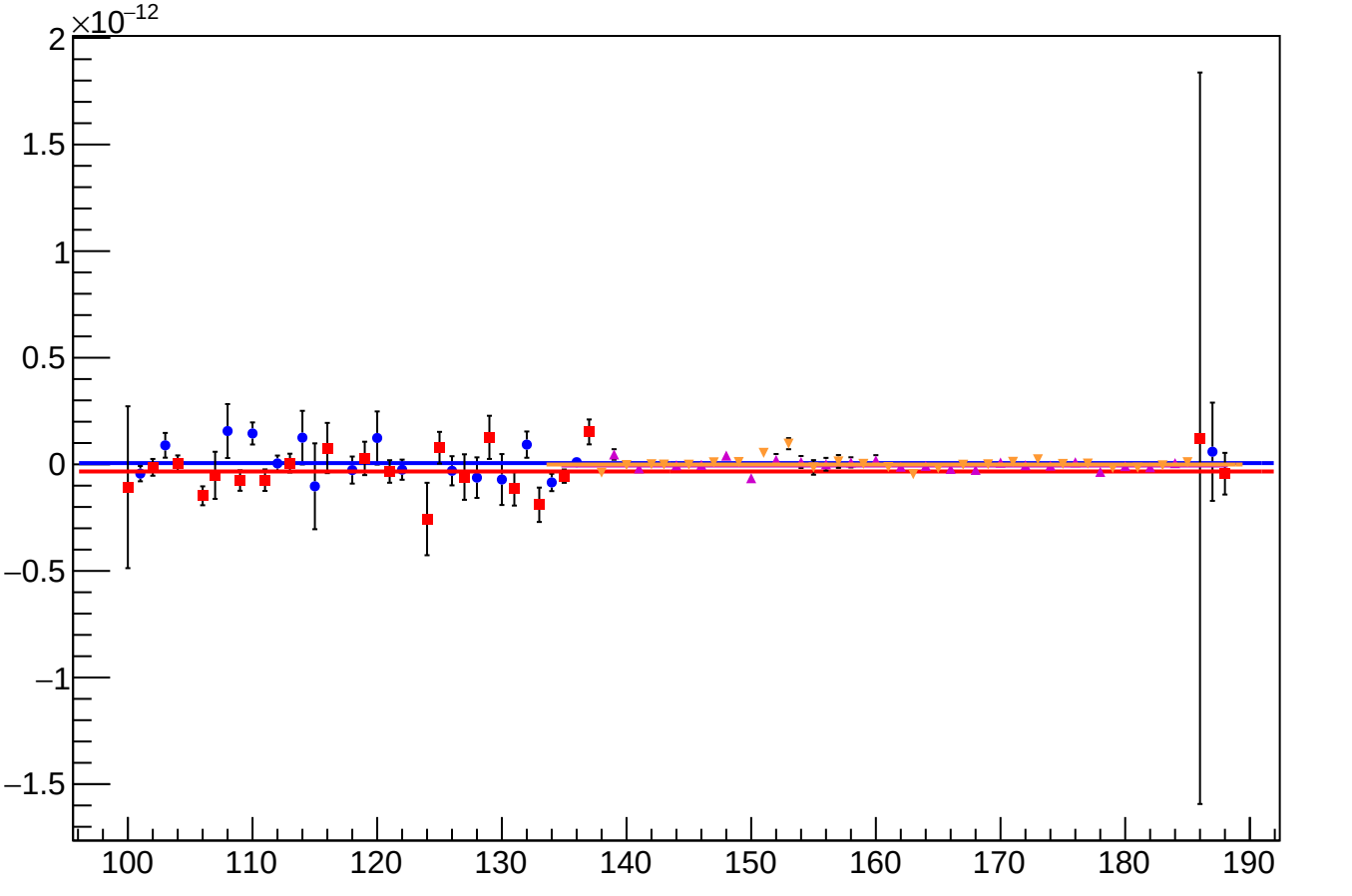
Right Out: 33.775+/-0.009 χ^2/NDF: 2498738.0/20

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 42.823+/-0.007 χ^2/NDF: 6683333.9/41

All: 42.057+/-0.005 χ^2/NDF: 13589514.9/85

- sign 41.340+/-0.006 χ^2/NDF: 6879321.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

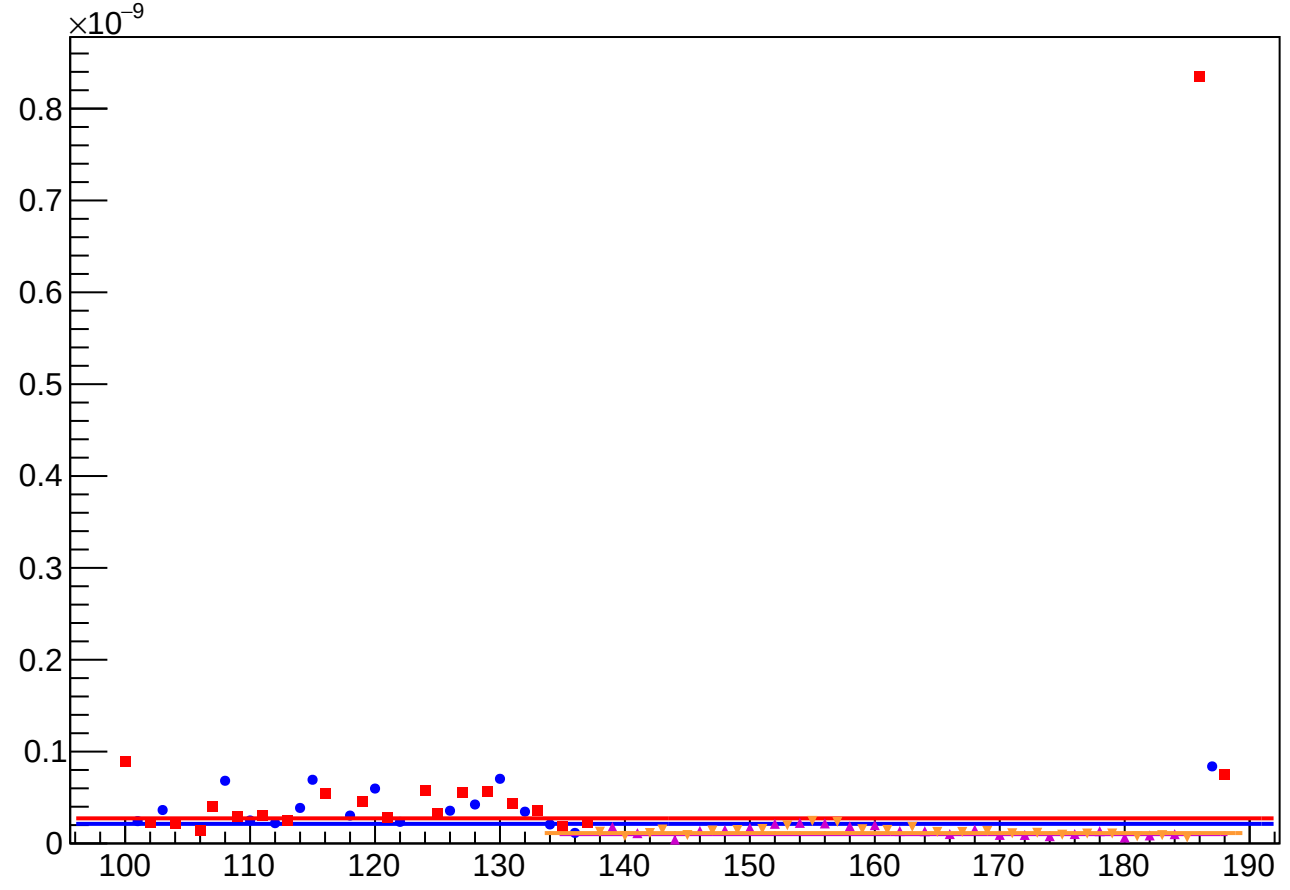
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/20

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.9/41

All: -0.000+/-0.000 χ^2/NDF: 129.6/85

- sign -0.000+/-0.000 χ^2/NDF: 66.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 2229178.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2137505.6/20

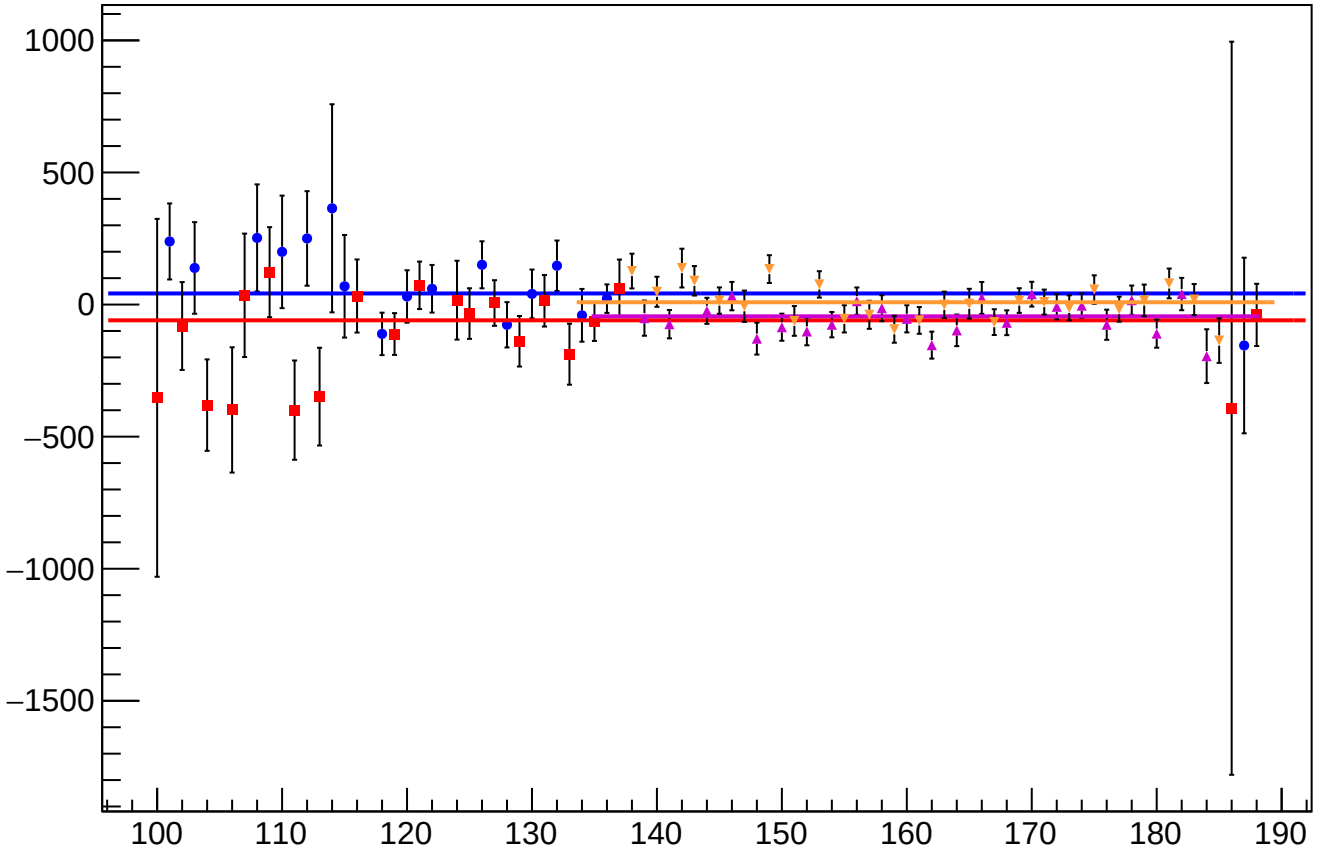
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5866230.0/41

All: 0.000+/-0.000 χ^2/NDF: 15451389.1/85

- sign 0.000+/-0.000 χ^2/NDF: 9496053.6/43

reg_asym_sam_1526_avg_mean vs Slug



Right In: 42.061+/-25.703 χ^2/NDF: 15.3/16

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -59.636+/-26.214 χ^2/NDF: 20.5/20

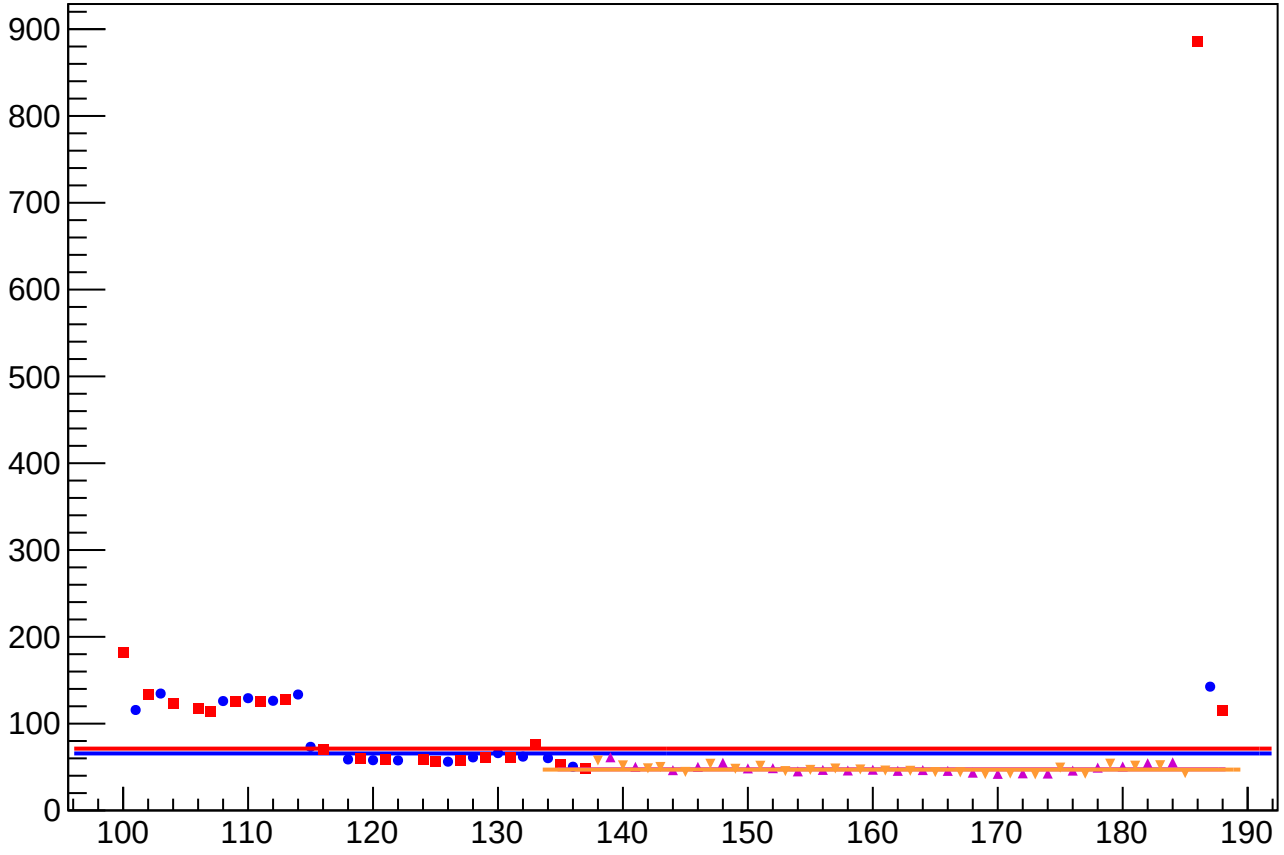
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 13.729+/-9.933 χ^2/NDF: 51.3/41

All: -15.583+/-7.136 χ^2/NDF: 117.1/85

- sign -46.853+/-10.259 χ^2/NDF: 47.8/43

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.675+/-0.018 χ^2/NDF: 1554258.2/16

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

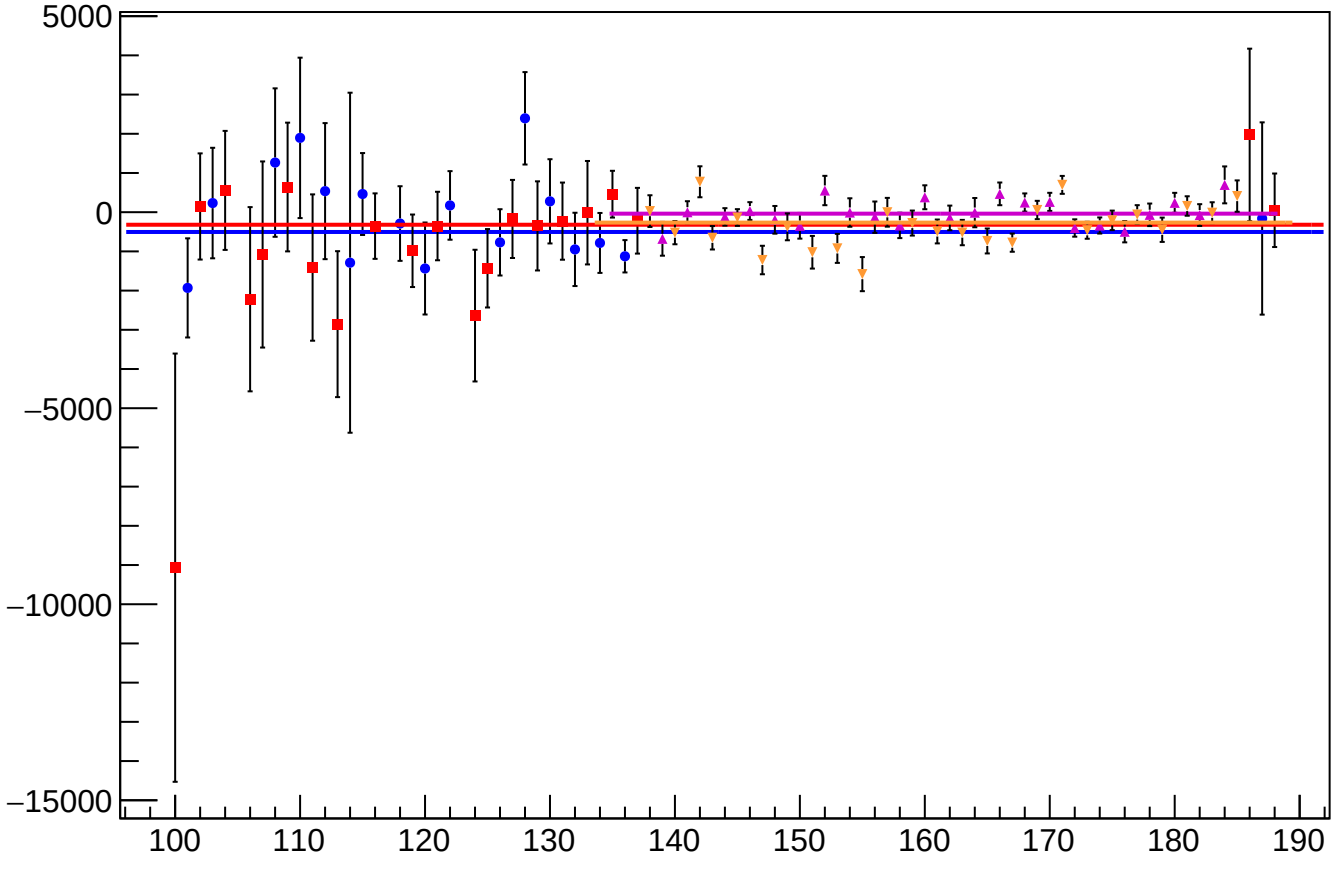
Right Out: 71.231+/-0.019 χ^2/NDF: 2620829.2/20

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.843+/-0.007 χ^2/NDF: 2733818.0/41

All: 50.421+/-0.005 χ^2/NDF: 7041252.4/85

- sign 51.036+/-0.007 χ^2/NDF: 4293480.7/43



Right In: -504.717+/-235.846 χ^2/NDF: 15.6/16

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

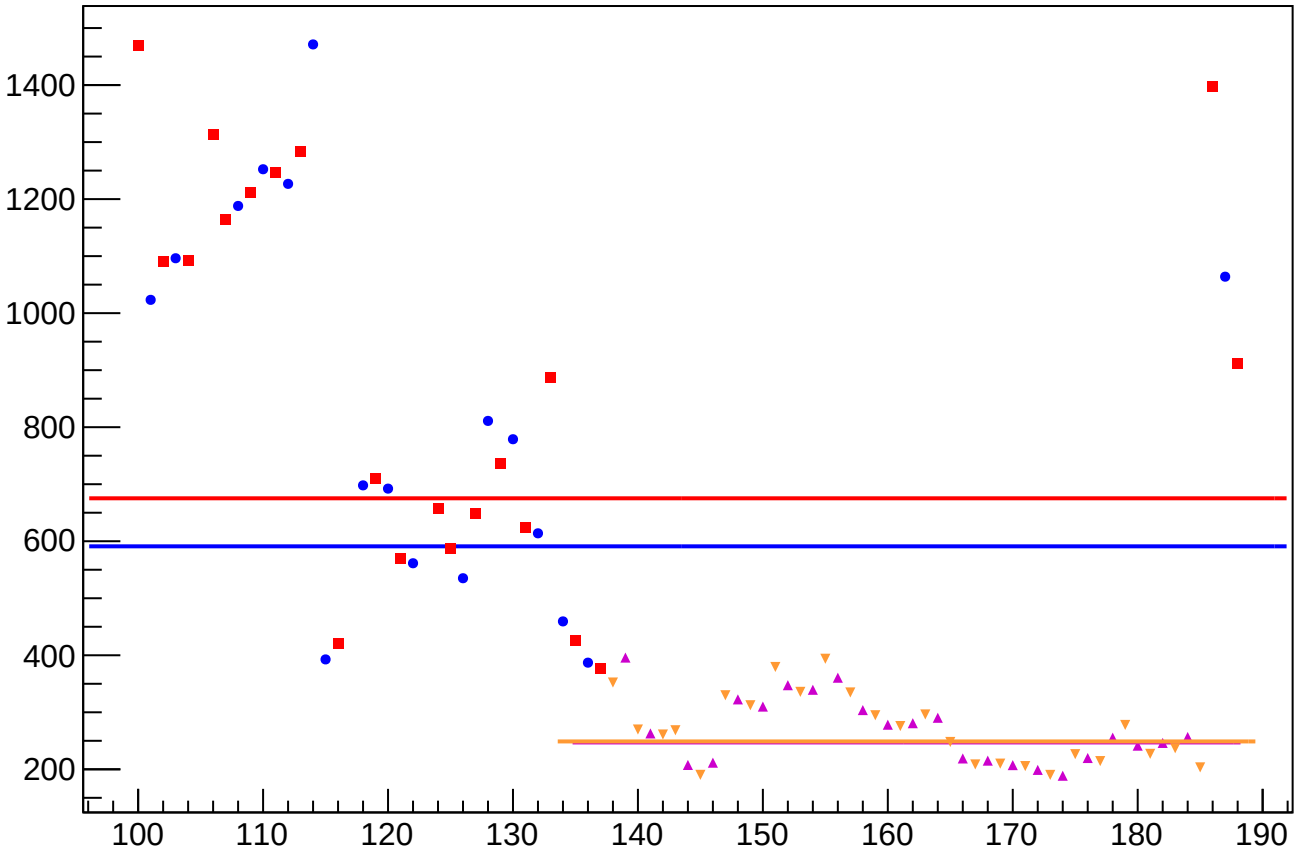
Right Out: -320.191+/-245.778 χ^2/NDF: 13.0/20

Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -279.329+/-56.350 χ^2/NDF: 86.4/41

All: -168.487+/-40.252 χ^2/NDF: 135.2/85

- sign -53.009+/-57.517 χ^2/NDF: 40.9/43



Right In: 591.060+/-0.167 χ^2/NDF: 2128199.7/16

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 675.288+/-0.174 χ^2/NDF: 2472533.3/20

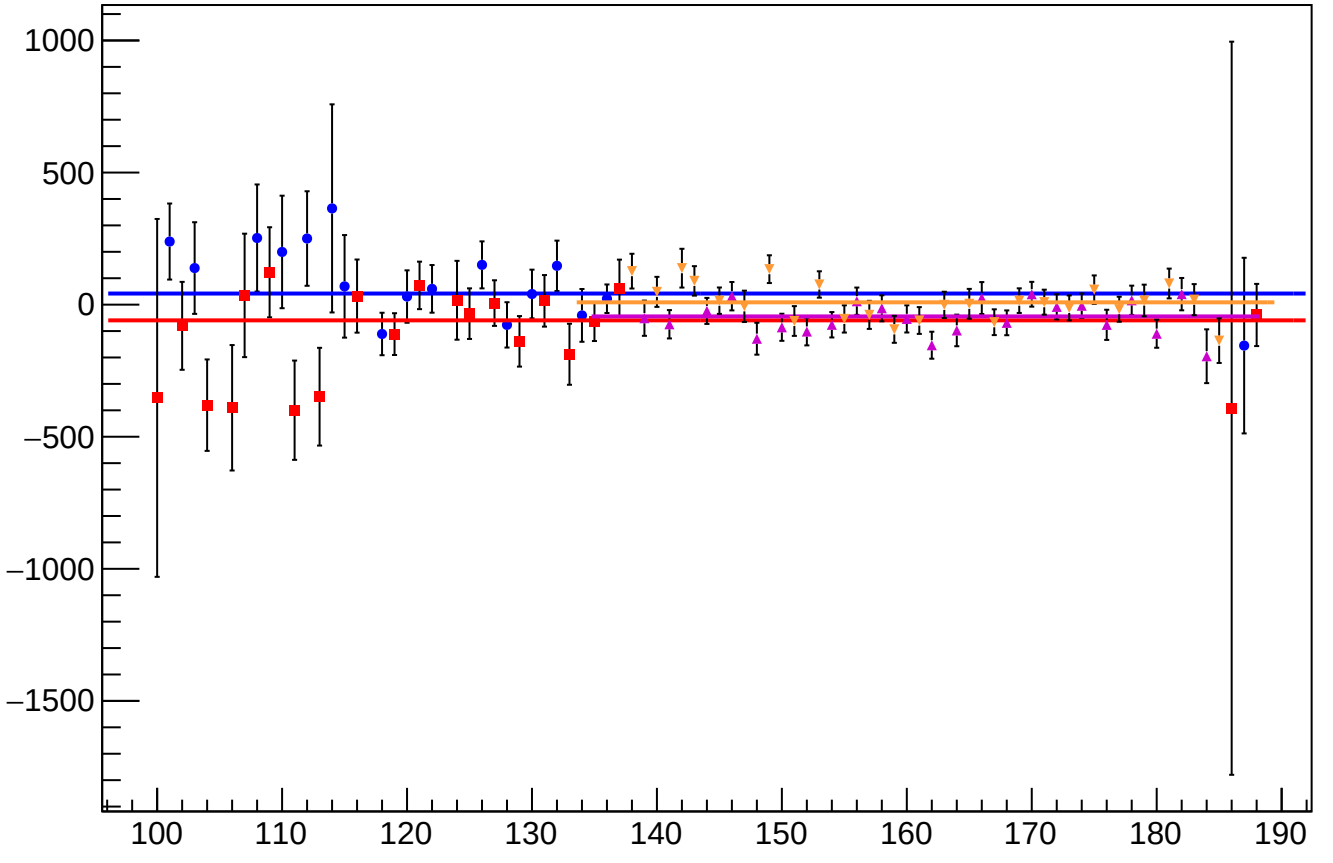
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 268.424+/-0.040 χ^2/NDF: 7761306.4/41

All: 269.469+/-0.028 χ^2/NDF: 17457345.9/85

- sign 270.558+/-0.041 χ^2/NDF: 9694634.7/43

cor_asym_sam_1526_avg_mean vs Slug



Right In: 42.054+/-25.703 χ^2/NDF: 15.3/16

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -59.493+/-26.215 χ^2/NDF: 20.4/20

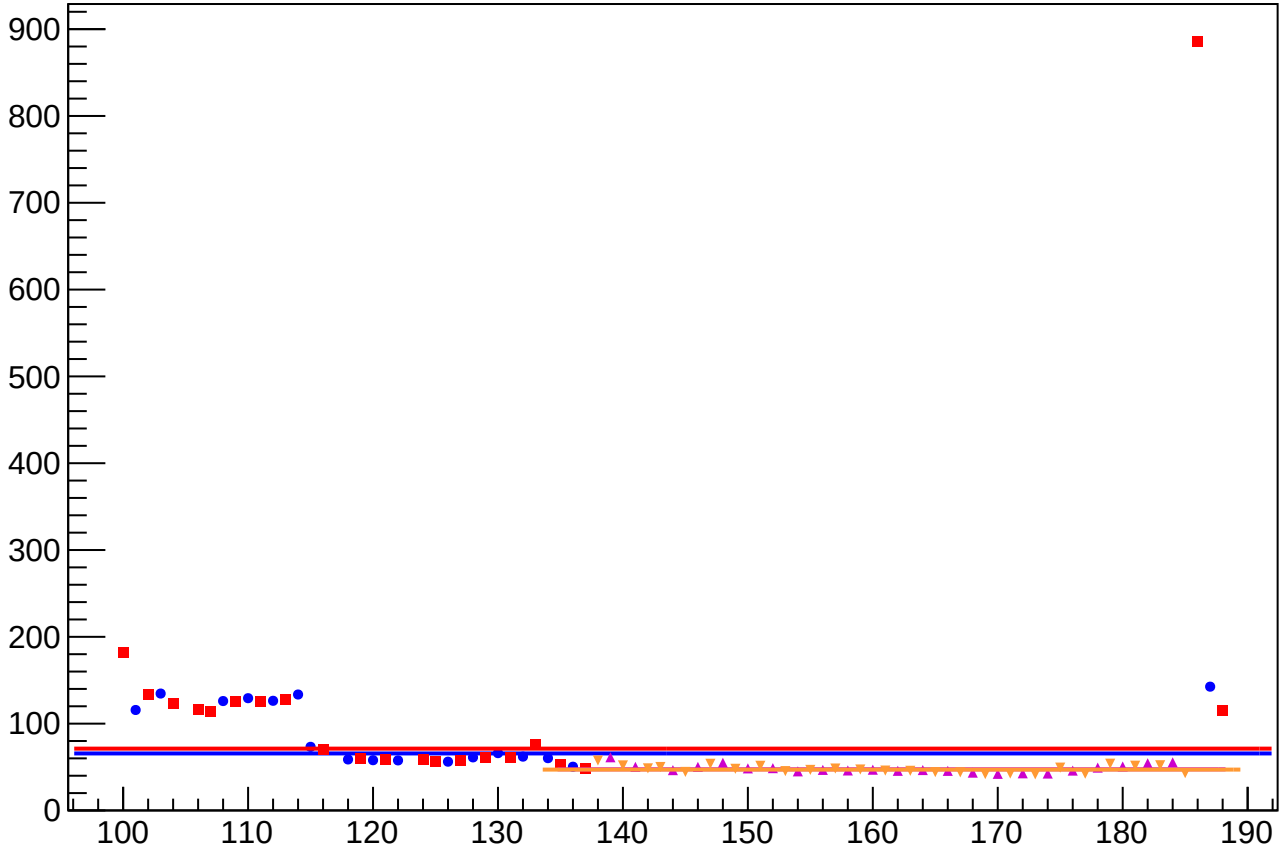
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.730+/-9.933 χ^2/NDF: 51.3/41

All: -15.571+/-7.136 χ^2/NDF: 117.0/85

- sign -46.830+/-10.259 χ^2/NDF: 47.7/43

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.675+/-0.018 χ^2/NDF: 1554260.5/16

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

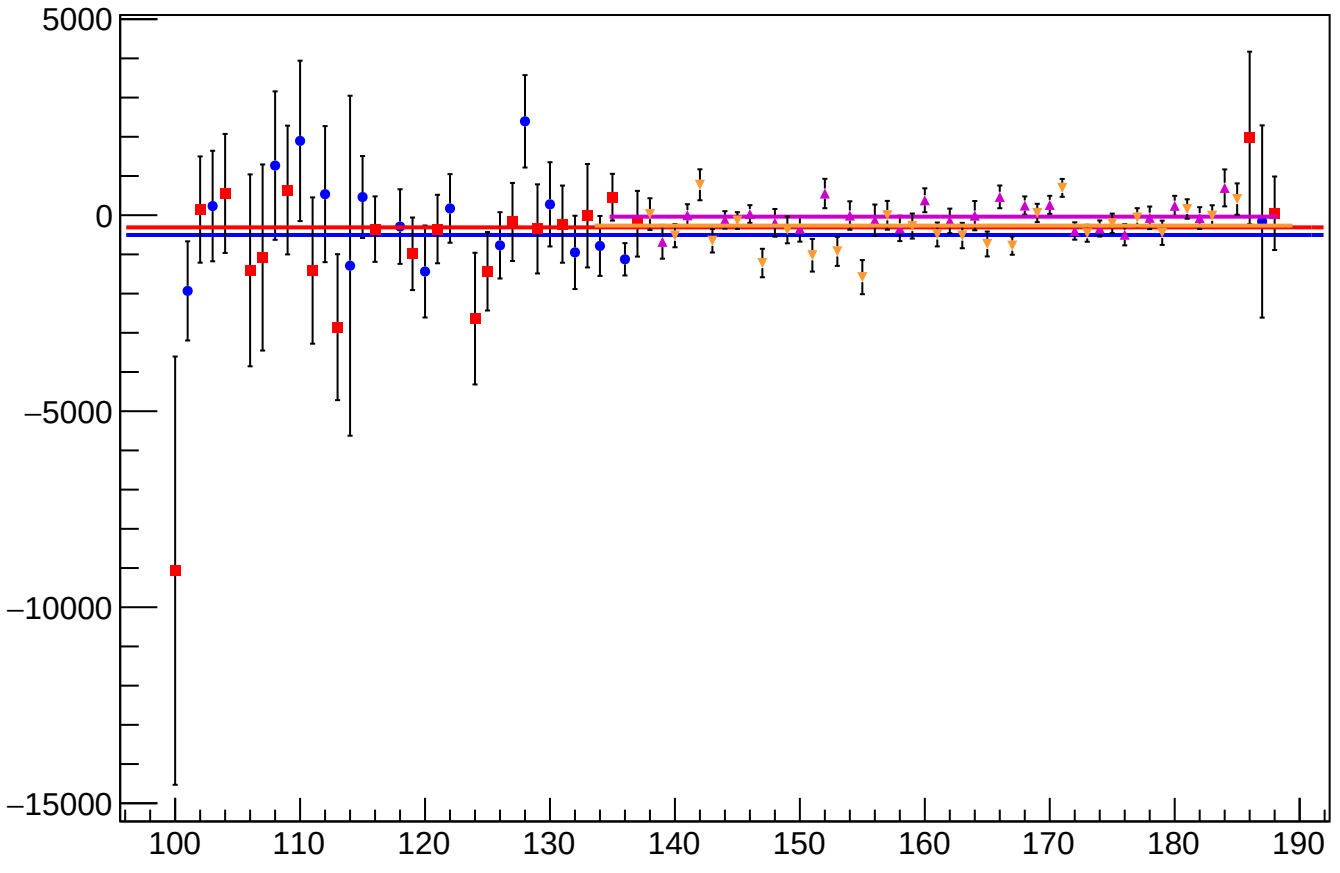
Right Out: 71.217+/-0.019 χ^2/NDF: 2617691.4/20

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.843+/-0.007 χ^2/NDF: 2733820.1/41

All: 50.419+/-0.005 χ^2/NDF: 7036405.5/85

- sign 51.034+/-0.007 χ^2/NDF: 4288684.3/43



Right In: -504.700+/-235.847 χ^2/NDF: 15.7/16

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

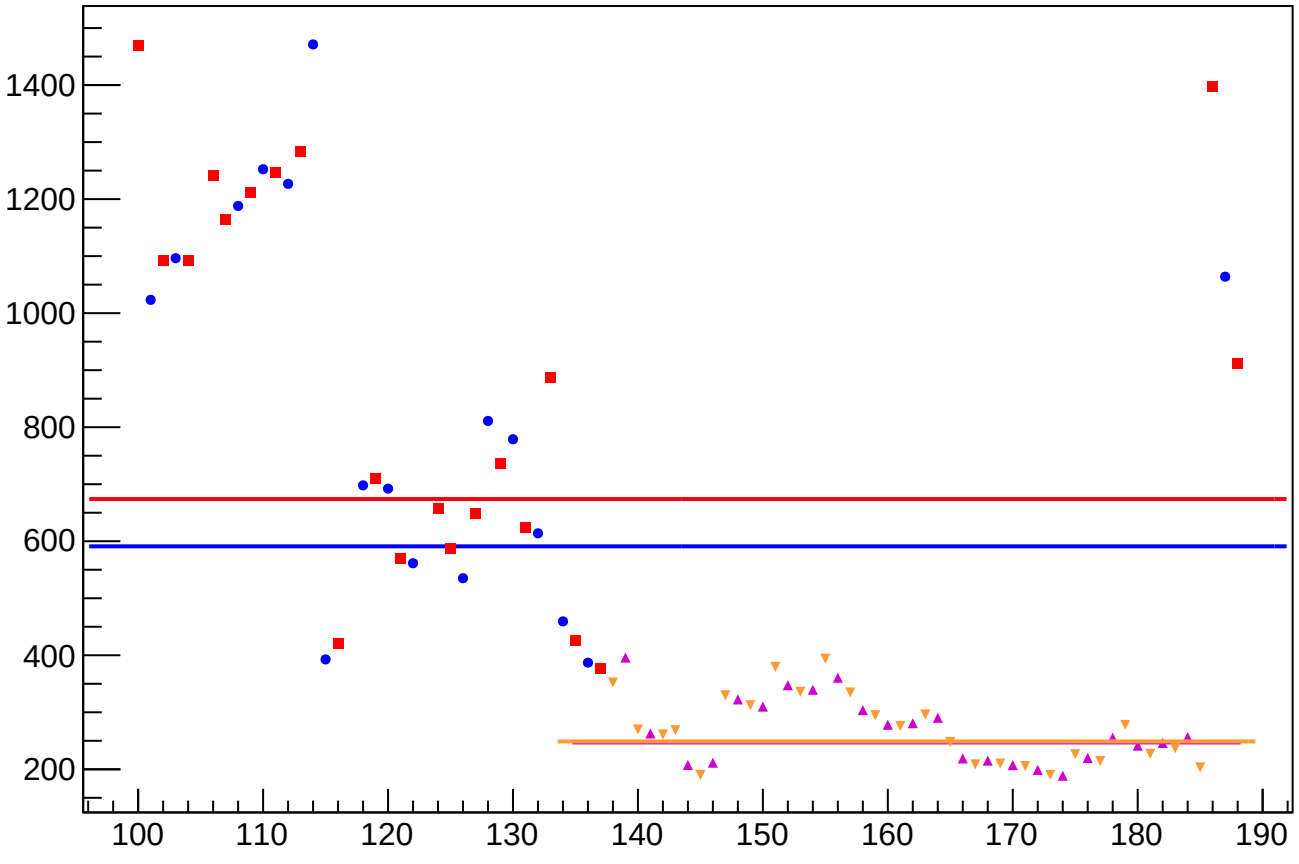
Right Out: -310.435+/-245.890 χ^2/NDF: 12.6/20

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -279.325+/-56.350 χ^2/NDF: 86.4/41

All: -168.218+/-40.252 χ^2/NDF: 134.7/85

- sign -52.460+/-57.518 χ^2/NDF: 40.3/43



Right In: 591.059+/-0.167 χ^2/NDF: 2128236.0/16

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 674.019+/-0.174 χ^2/NDF: 2432421.7/20

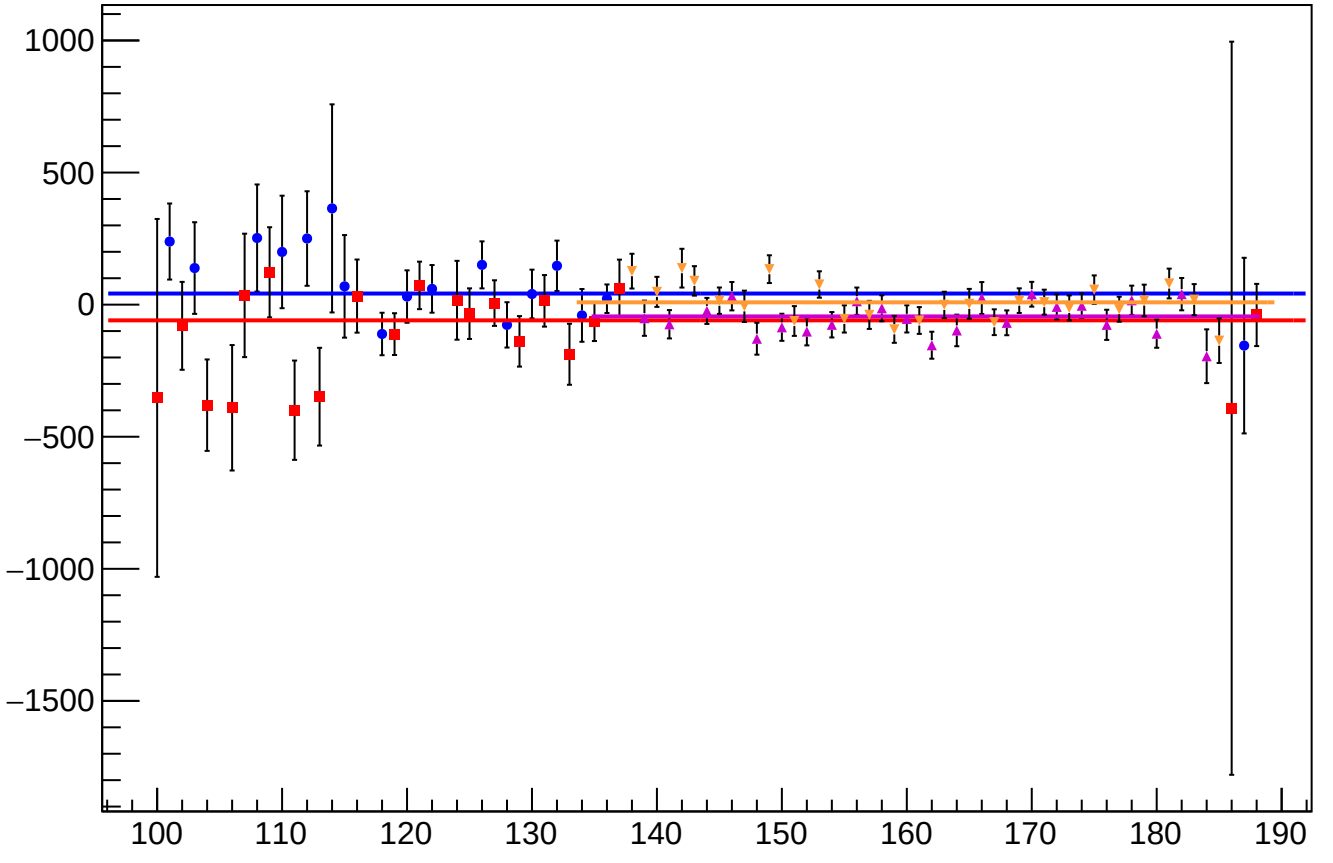
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 268.424+/-0.040 χ^2/NDF: 7761337.8/41

All: 269.425+/-0.028 χ^2/NDF: 17378291.7/85

- sign 270.469+/-0.041 χ^2/NDF: 9615664.1/43

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 42.054+/-25.703 χ^2/NDF: 15.3/16

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -59.493+/-26.215 χ^2/NDF: 20.4/20

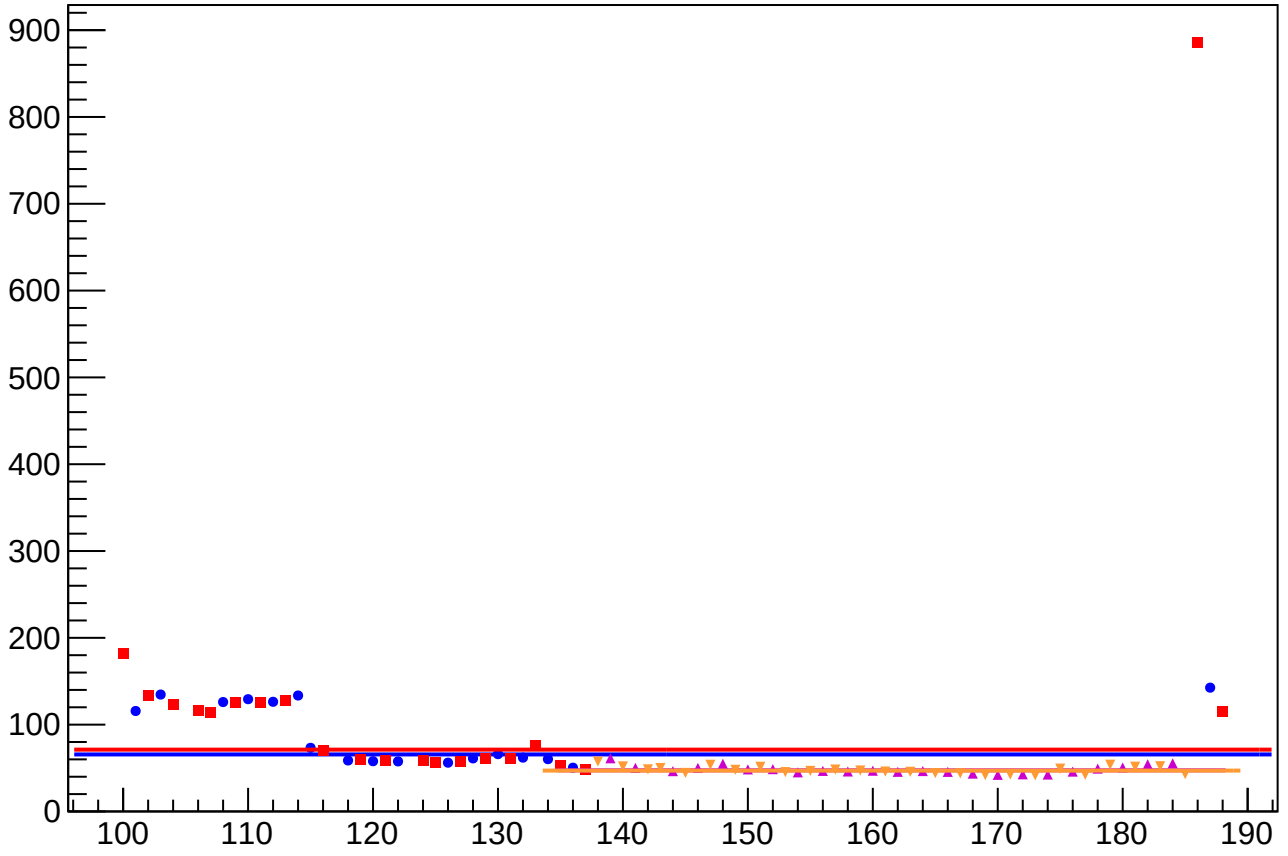
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.730+/-9.933 χ^2/NDF: 51.3/41

All: -15.571+/-7.136 χ^2/NDF: 117.0/85

- sign -46.830+/-10.259 χ^2/NDF: 47.7/43

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.675+/-0.018 χ^2/NDF: 1554260.5/16

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

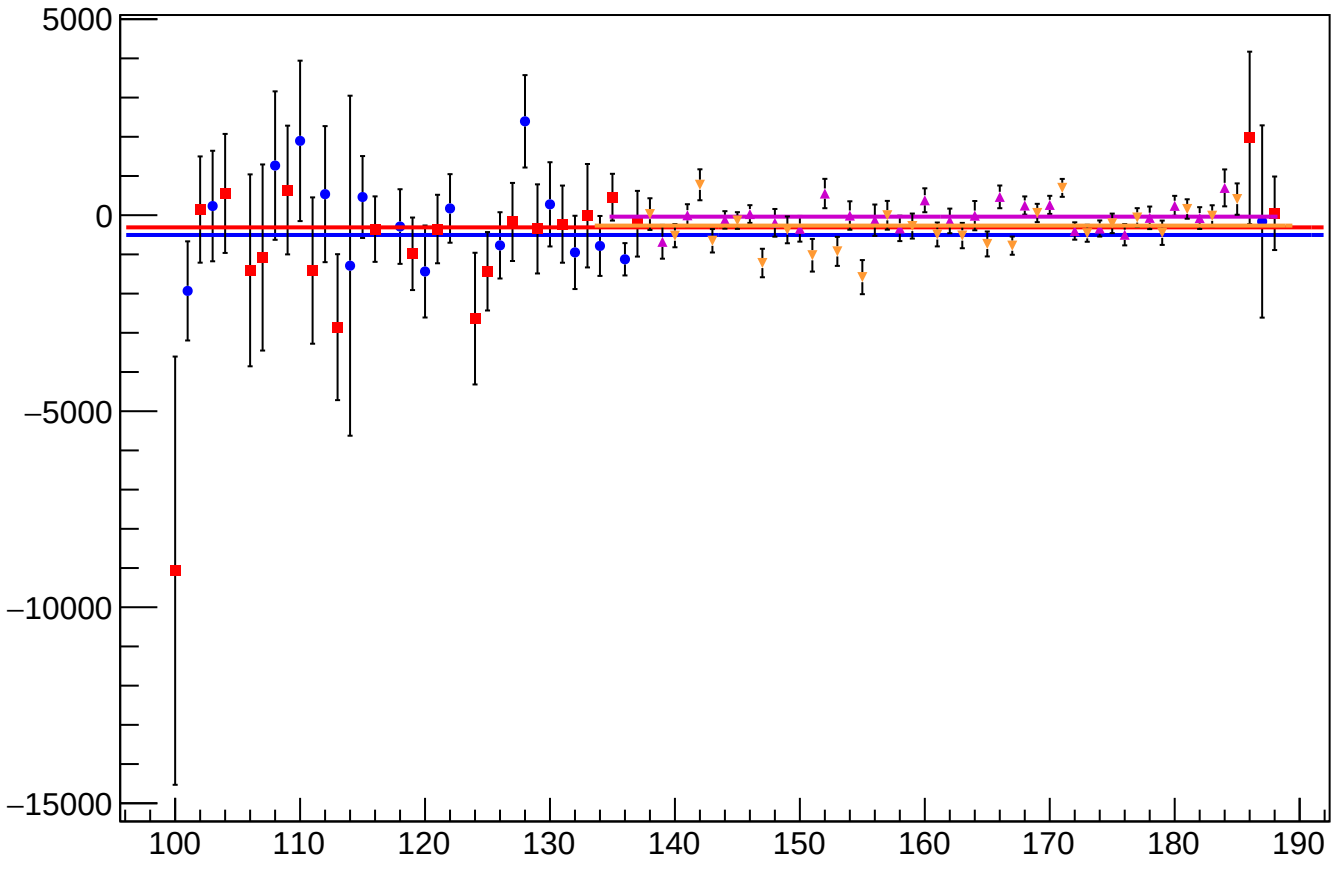
Right Out: 71.217+/-0.019 χ^2/NDF: 2617691.4/20

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.843+/-0.007 χ^2/NDF: 2733820.1/41

All: 50.419+/-0.005 χ^2/NDF: 7036405.5/85

- sign 51.034+/-0.007 χ^2/NDF: 4288684.3/43



Right In: -504.700+/-235.847 χ^2/NDF: 15.7/16

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

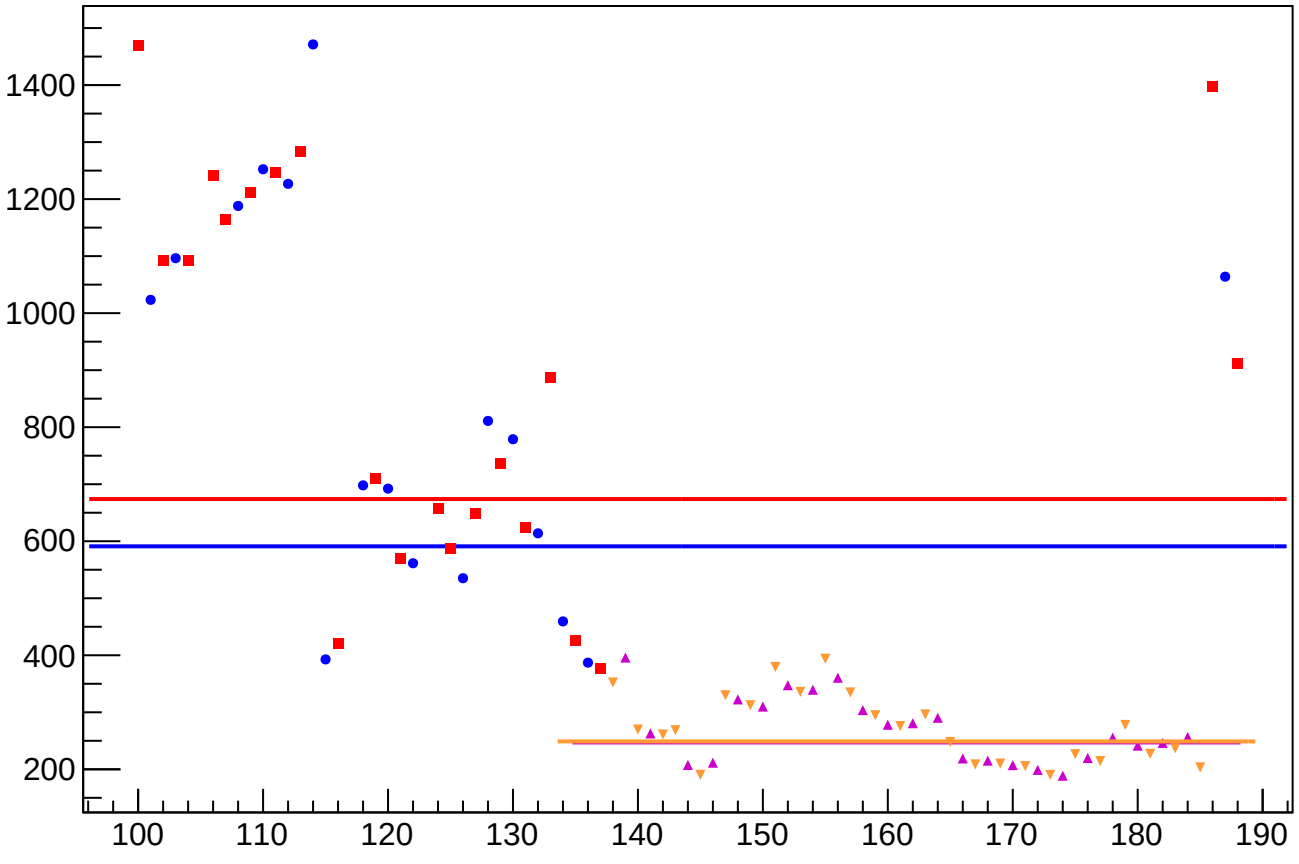
Right Out: -310.435+/-245.890 χ^2/NDF: 12.6/20

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -279.325+/-56.350 χ^2/NDF: 86.4/41

All: -168.218+/-40.252 χ^2/NDF: 134.7/85

- sign -52.460+/-57.518 χ^2/NDF: 40.3/43



Right In: 591.059+/-0.167 χ^2/NDF: 2128236.0/16

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 674.019+/-0.174 χ^2/NDF: 2432421.7/20

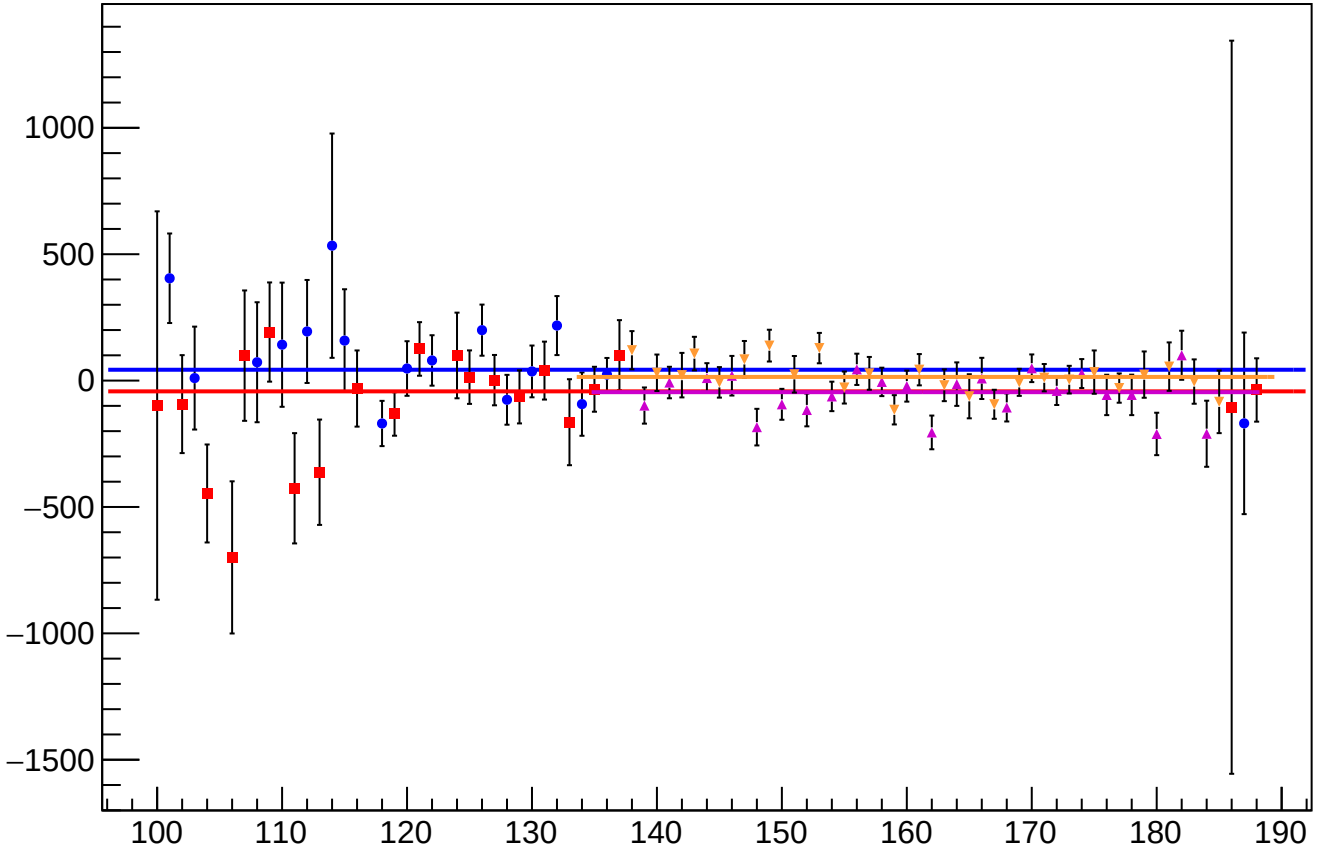
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 268.424+/-0.040 χ^2/NDF: 7761337.8/41

All: 269.425+/-0.028 χ^2/NDF: 17378291.7/85

- sign 270.469+/-0.041 χ^2/NDF: 9615664.1/43

dit_asym_sam_1526_avg_mean vs Slug



Right In: 42.917+/-29.805 χ^2/NDF: 20.0/16

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -42.590+/-30.313 χ^2/NDF: 23.3/20

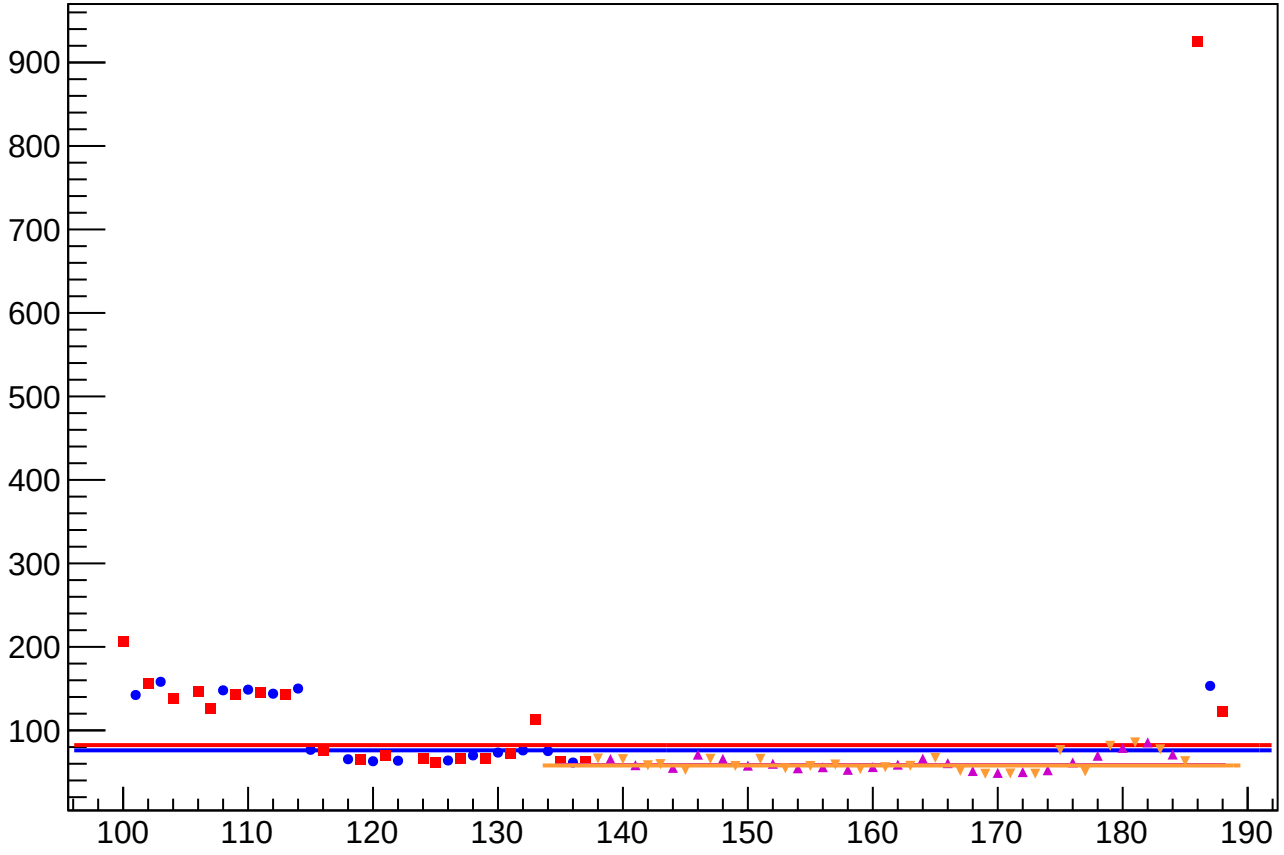
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 19.309+/-12.263 χ^2/NDF: 45.3/41

All: -11.944+/-8.808 χ^2/NDF: 112.7/85

- sign -45.245+/-12.658 χ^2/NDF: 54.0/43

dit_asym_sam_1526_avg_rms vs Slug



Right In: 76.080+/-0.021 χ^2/NDF: 1558546.0/16

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

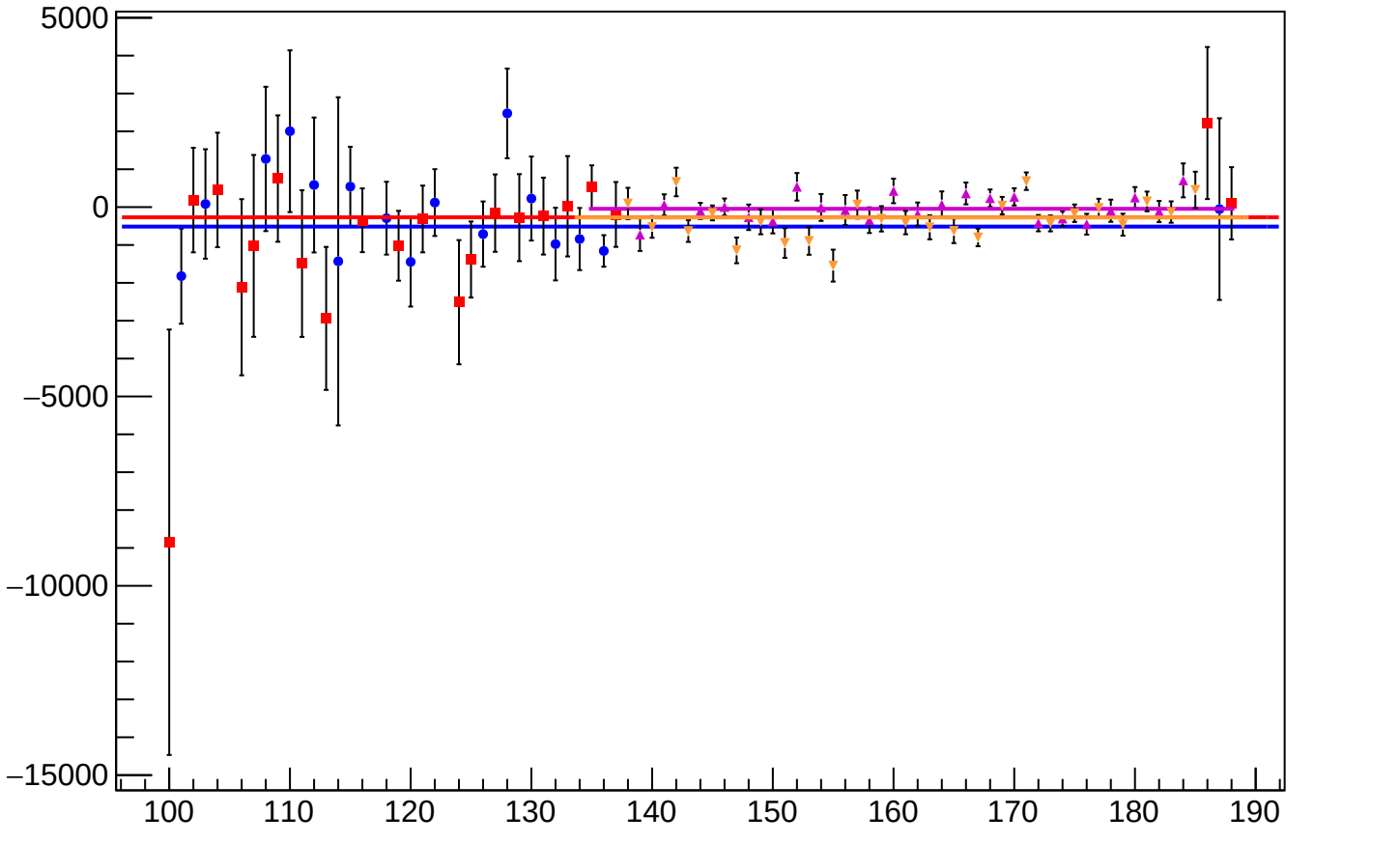
Right Out: 82.326+/-0.021 χ^2/NDF: 2576761.9/20

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 61.032+/-0.009 χ^2/NDF: 3069167.7/41

All: 61.809+/-0.006 χ^2/NDF: 7334406.2/85

- sign 62.638+/-0.009 χ^2/NDF: 4248631.0/43



Right In: -514.574+/-240.105 χ^2/NDF: 15.8/16

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -269.276+/-245.942 χ^2/NDF: 13.7/20

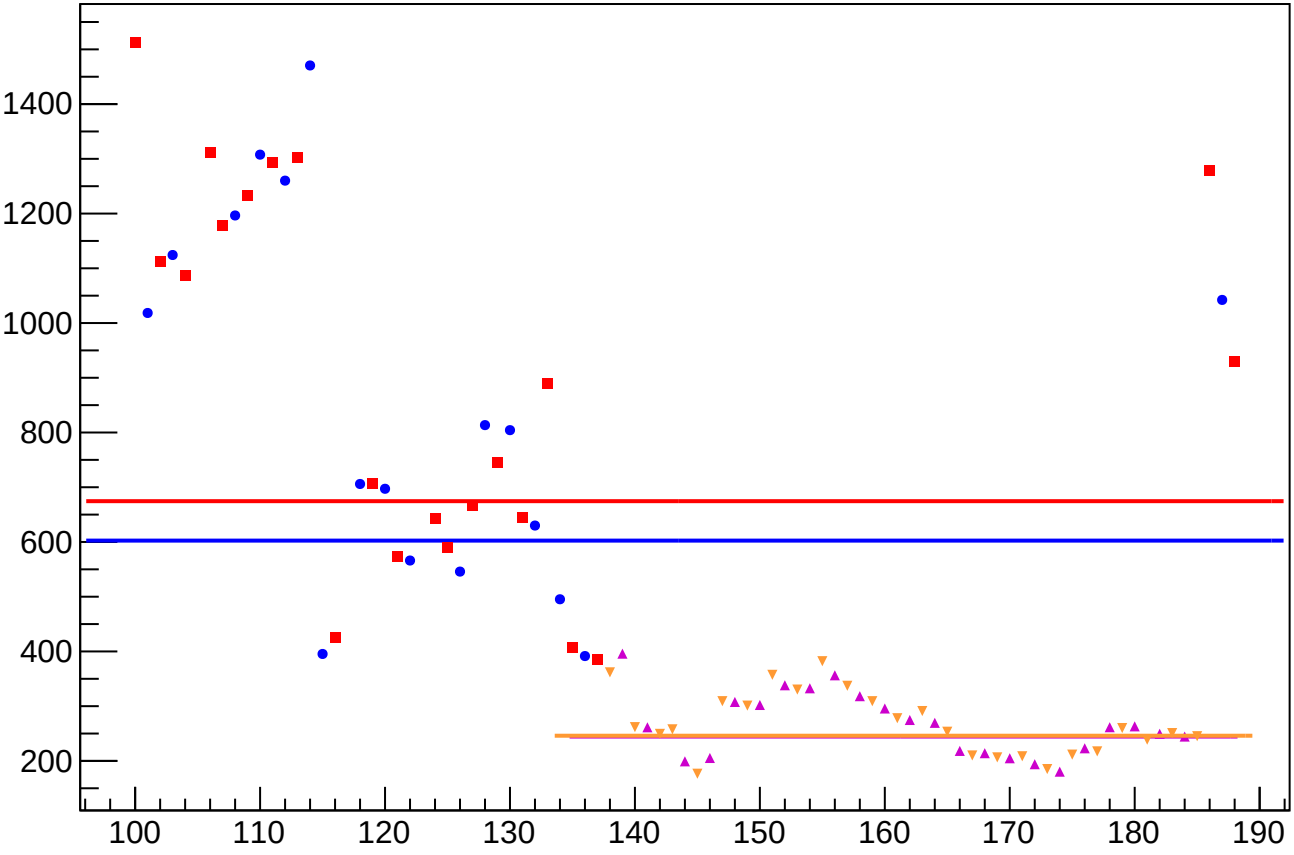
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -285.545+/-55.711 χ^2/NDF: 82.6/41

All: -173.740+/-39.847 χ^2/NDF: 131.8/85

- sign -56.631+/-57.017 χ^2/NDF: 41.0/43

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 602.492+/-0.170 χ^2/NDF: 2115686.6/16

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 674.544+/-0.174 χ^2/NDF: 2554610.9/20

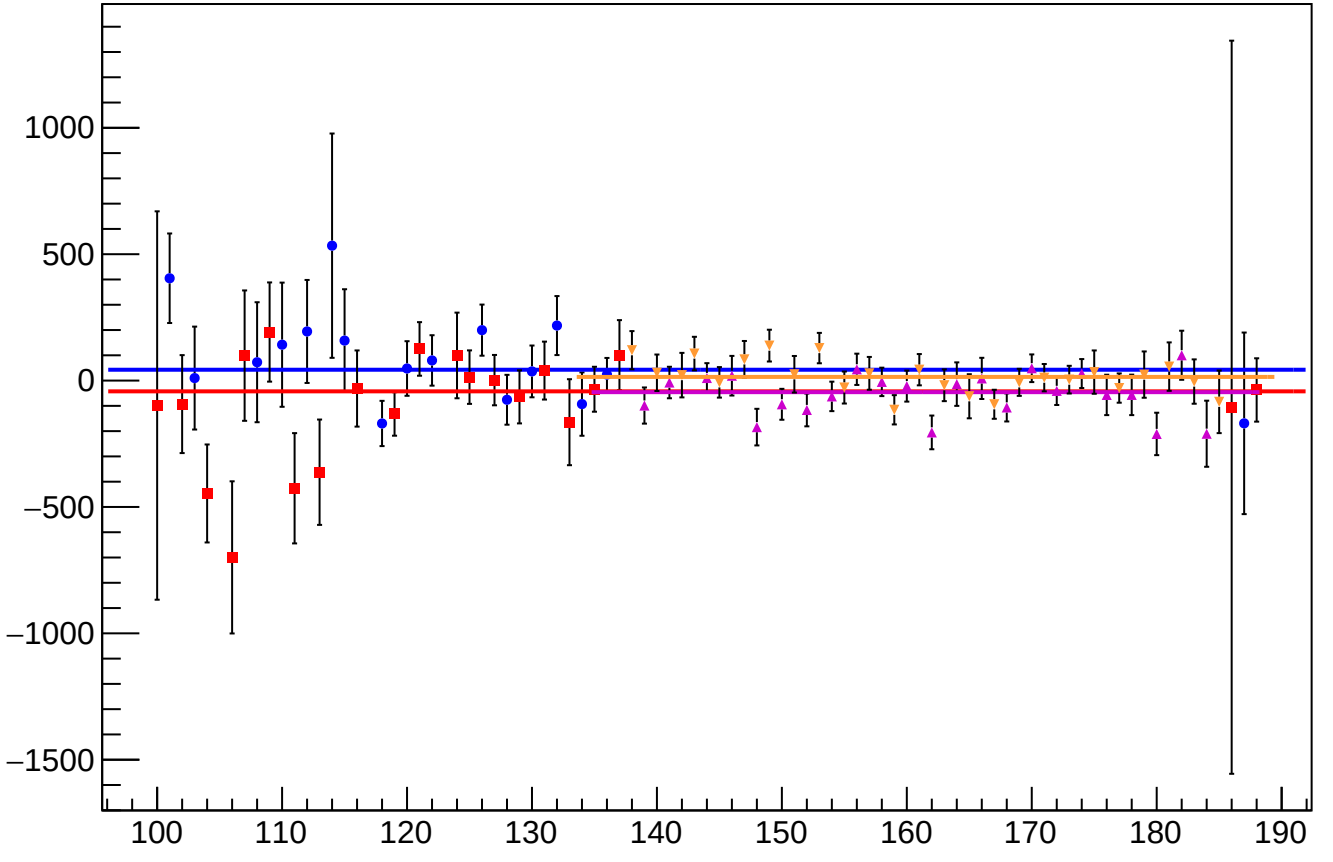
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 265.208+/-0.039 χ^2/NDF: 7967369.1/41

All: 266.360+/-0.028 χ^2/NDF: 17908302.1/85

- sign 267.566+/-0.040 χ^2/NDF: 9939183.4/43

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 42.918+/-29.805 χ^2/NDF: 20.0/16

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -42.590+/-30.313 χ^2/NDF: 23.3/20

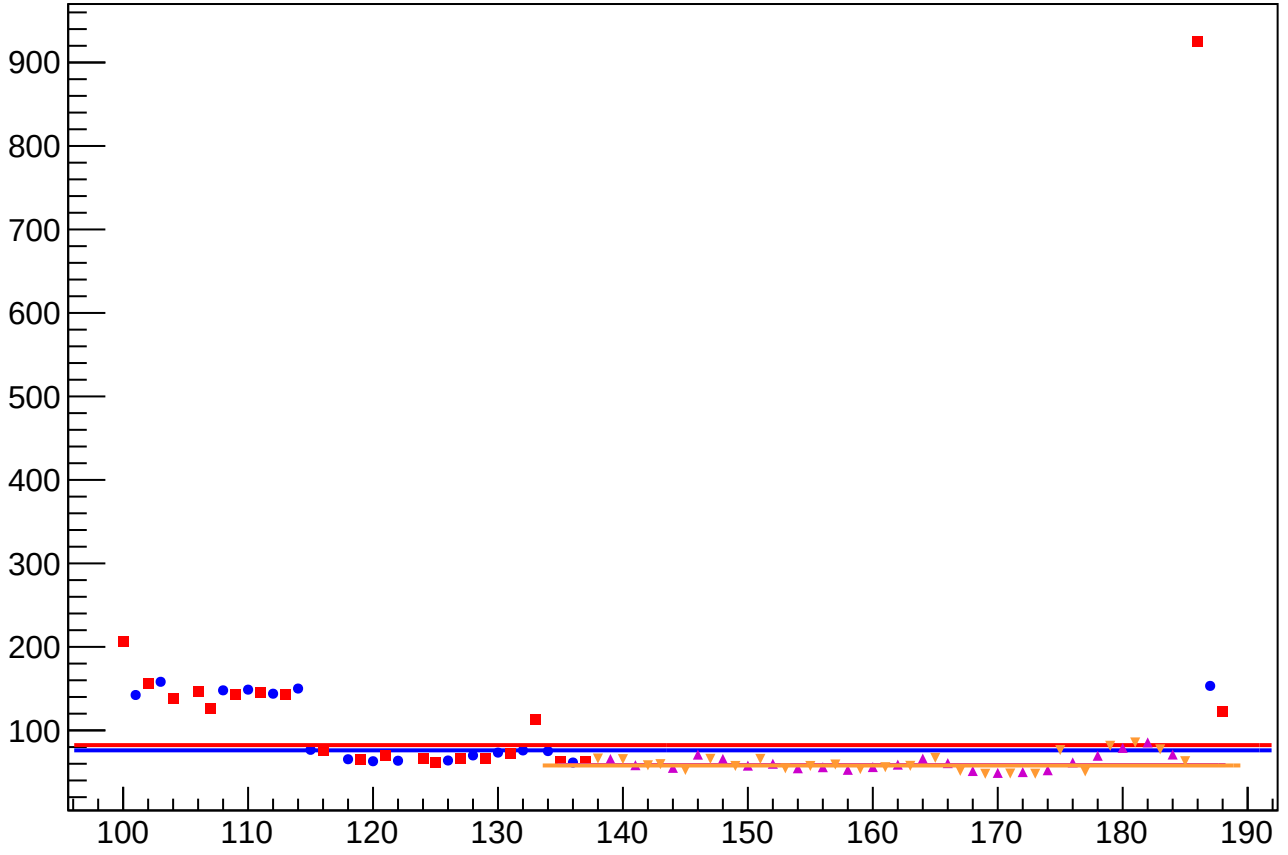
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 19.308+/-12.263 χ^2/NDF: 45.3/41

All: -11.943+/-8.808 χ^2/NDF: 112.7/85

- sign -45.245+/-12.658 χ^2/NDF: 54.0/43

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 76.079+/-0.021 χ^2/NDF: 1558533.0/16

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

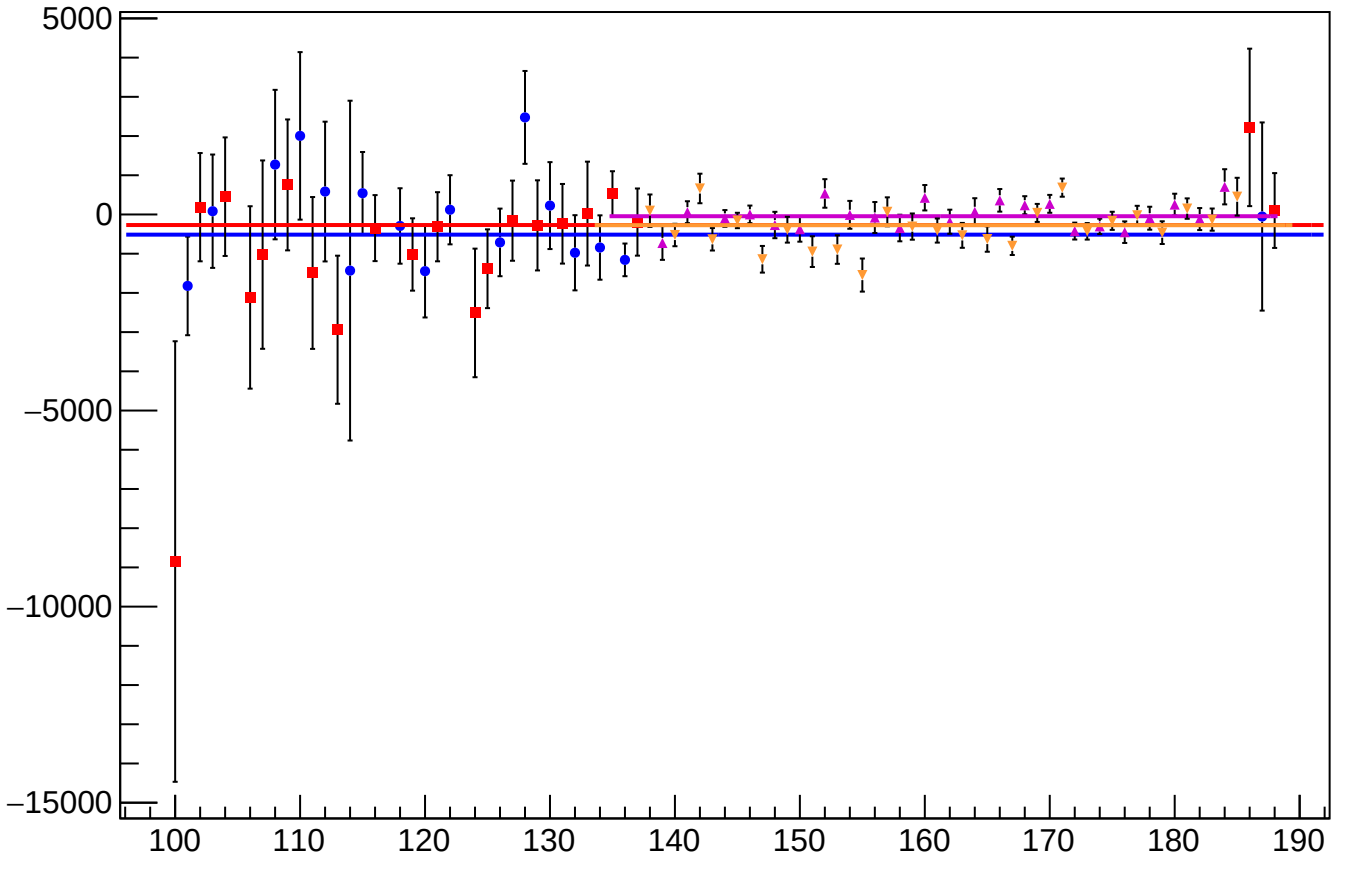
Right Out: 82.326+/-0.021 χ^2/NDF: 2576759.3/20

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 61.032+/-0.009 χ^2/NDF: 3069136.8/41

All: 61.809+/-0.006 χ^2/NDF: 7334331.8/85

- sign 62.638+/-0.009 χ^2/NDF: 4248585.8/43



Right In: -514.572+/-240.105 χ^2/NDF: 15.8/16

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

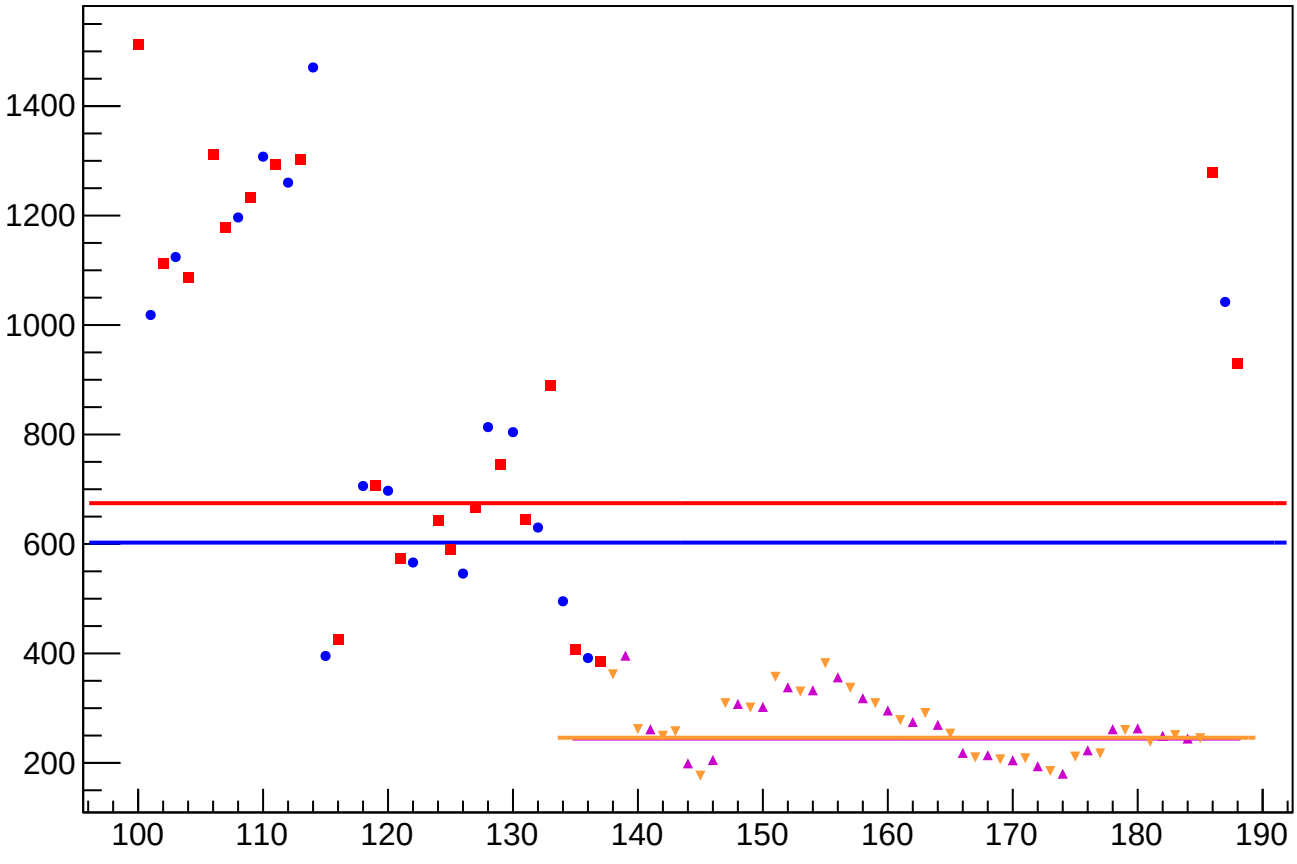
Right Out: -269.276+/-245.942 χ^2/NDF: 13.7/20

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -285.544+/-55.711 χ^2/NDF: 82.6/41

All: -173.740+/-39.847 χ^2/NDF: 131.8/85

- sign -56.630+/-57.017 χ^2/NDF: 41.0/43



Right In: 602.492+/-0.170 χ^2/NDF: 2115668.2/16

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 674.543+/-0.174 χ^2/NDF: 2554592.7/20

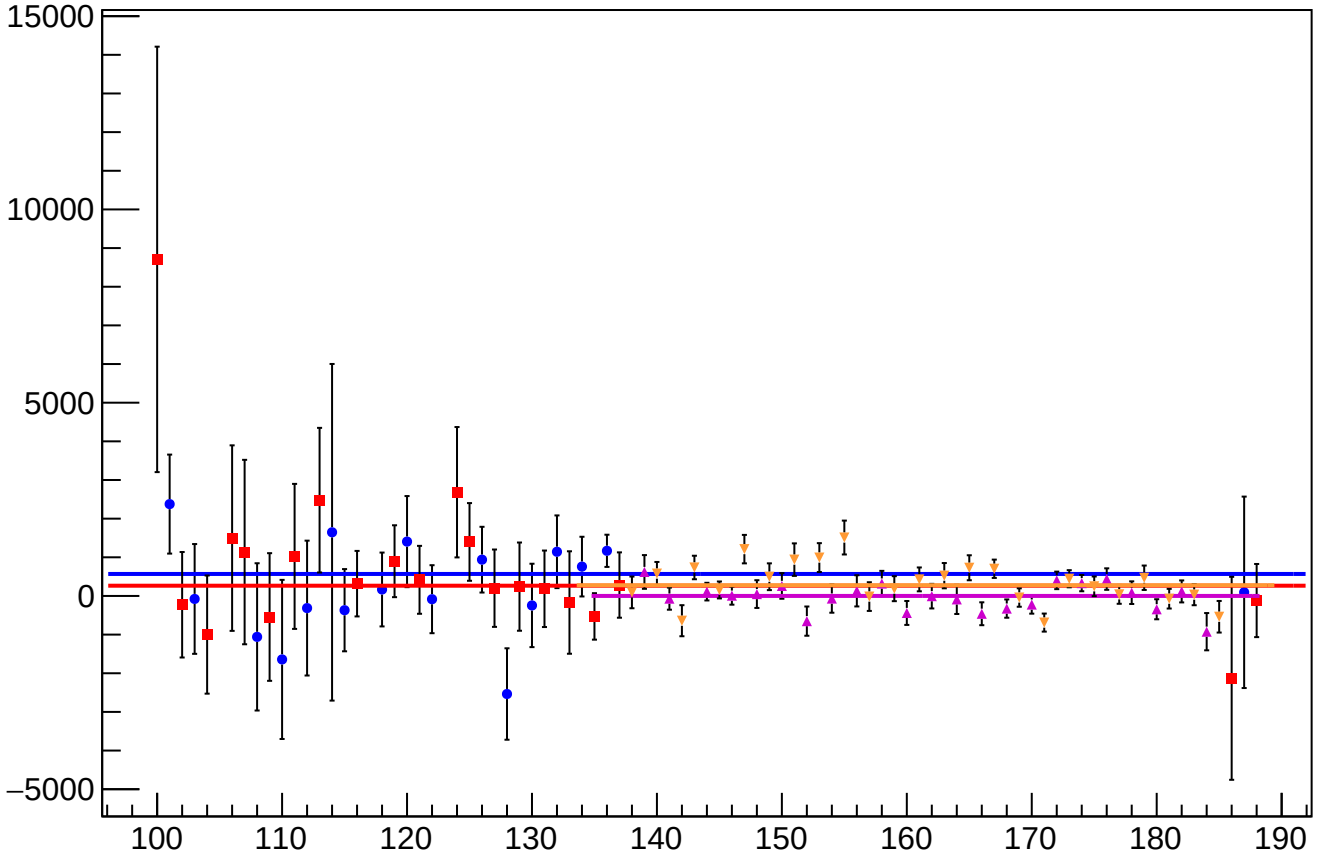
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 265.208+/-0.039 χ^2/NDF: 7967362.7/41

All: 266.359+/-0.028 χ^2/NDF: 17908276.4/85

- sign 267.566+/-0.040 χ^2/NDF: 9939163.8/43

asym_sam_1526_avg_mean vs Slug



Right In: 568.952+/-237.817 χ^2/NDF: 16.6/16

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 265.054+/-248.013 χ^2/NDF: 12.1/20

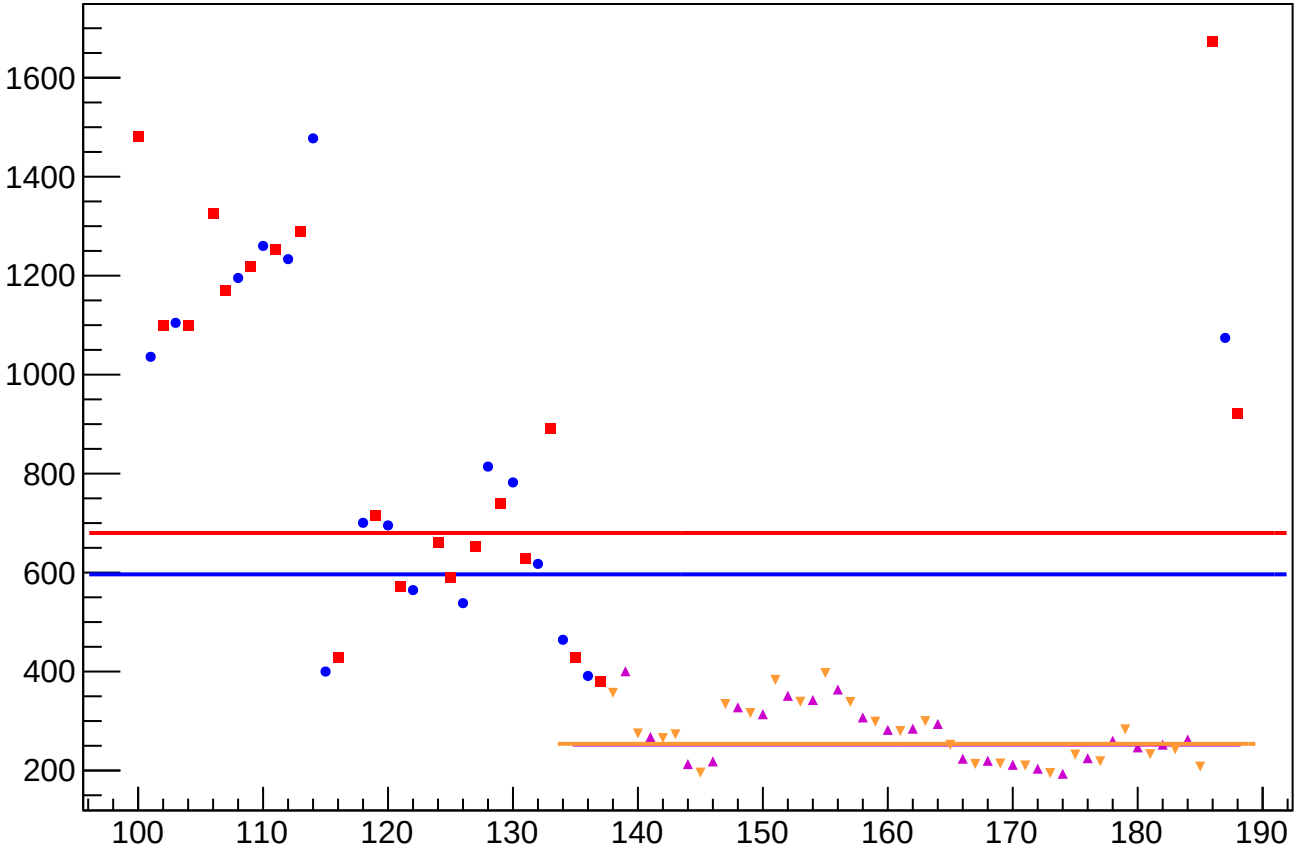
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 294.080+/-57.400 χ^2/NDF: 82.1/41

All: 157.702+/-41.021 χ^2/NDF: 134.9/85

- sign 15.344+/-58.645 χ^2/NDF: 41.3/43

asym_sam_1526_avg_rms vs Slug



Right In: 596.422+/-0.168 χ^2/NDF: 2110853.0/16

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

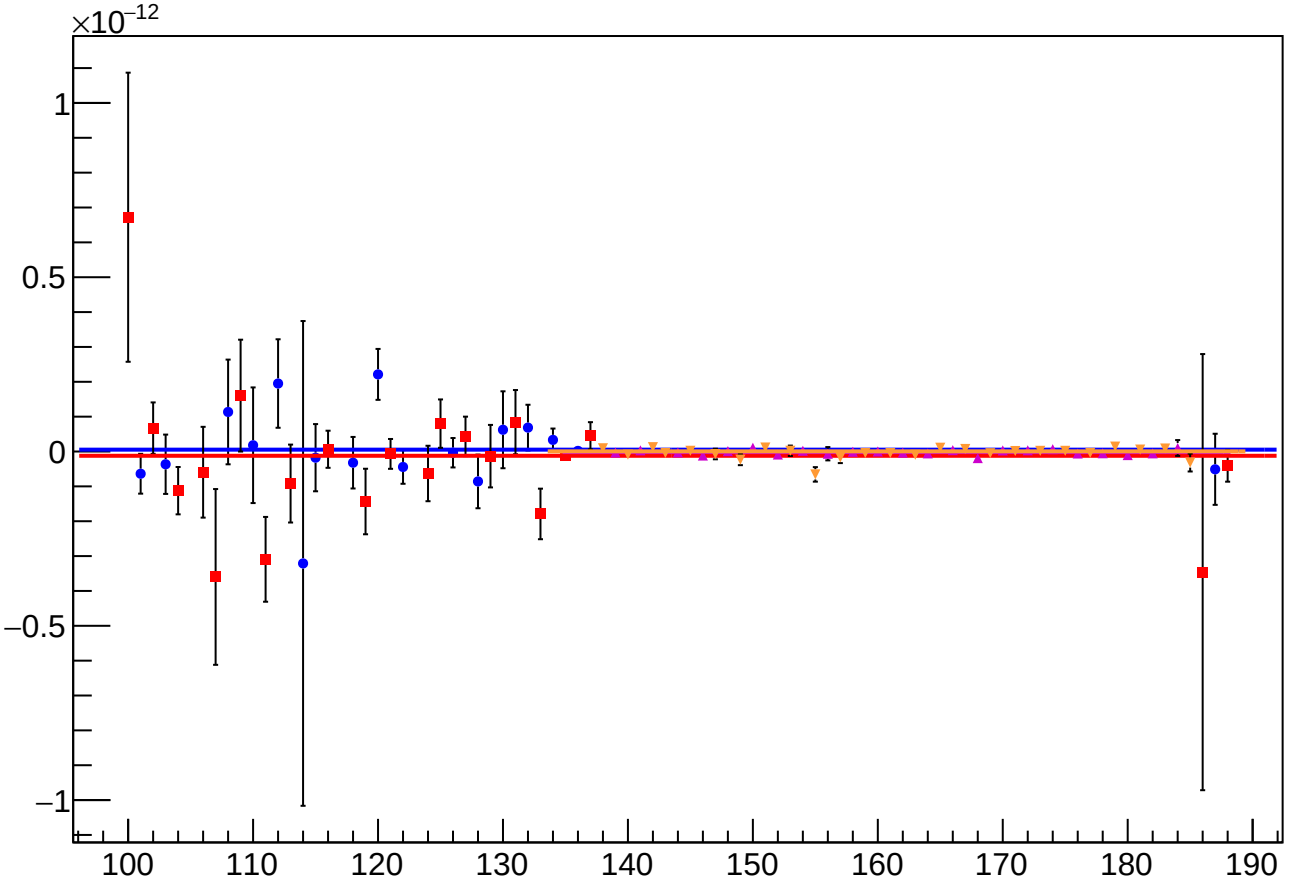
Right Out: 680.021+/-0.175 χ^2/NDF: 2528657.9/20

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 273.904+/-0.041 χ^2/NDF: 7607493.1/41

All: 275.076+/-0.029 χ^2/NDF: 17163498.2/85

- sign 276.300+/-0.041 χ^2/NDF: 9554300.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

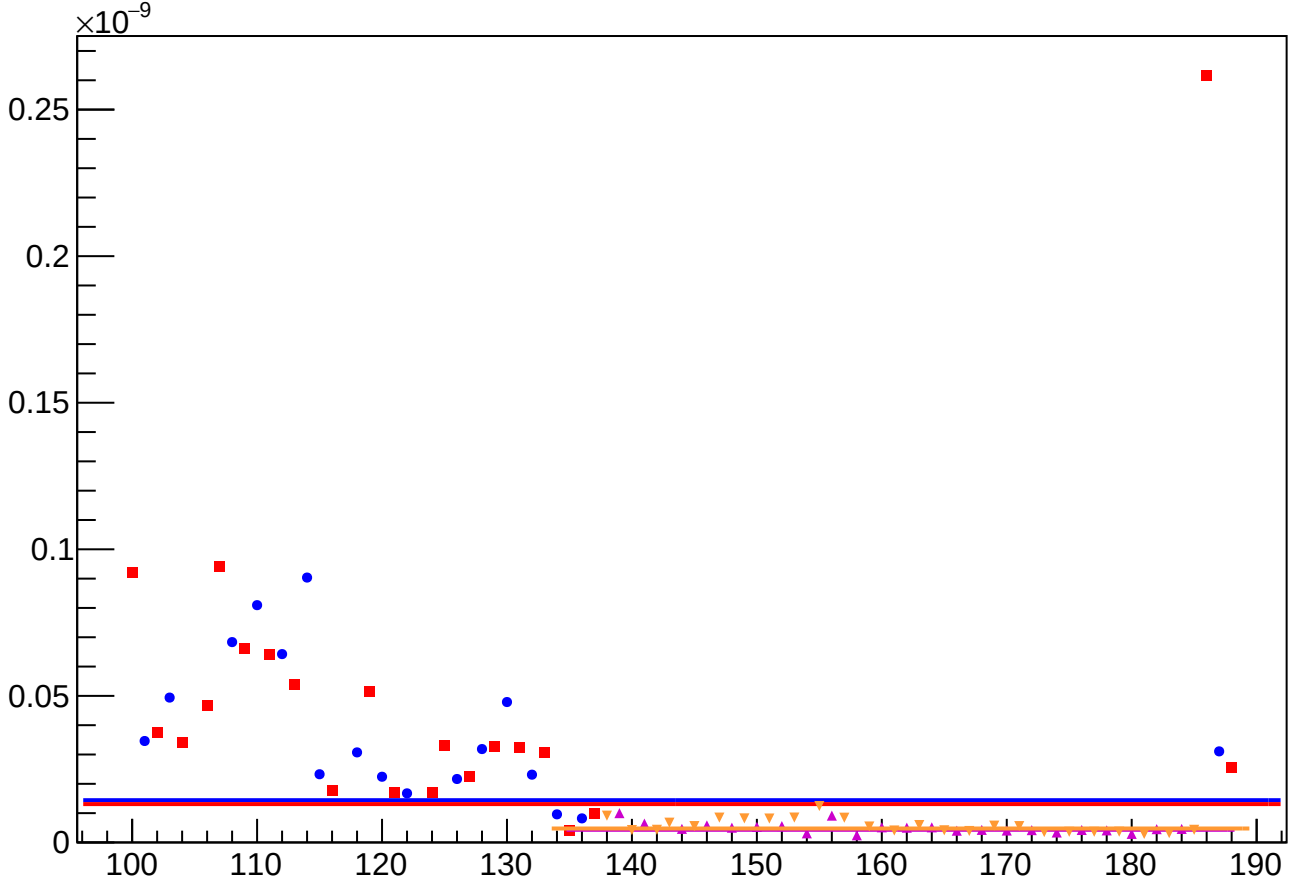
Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/20

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/41

All: -0.000+/-0.000 χ^2/NDF: 91.8/85

- sign -0.000+/-0.000 χ^2/NDF: 45.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 2547450.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

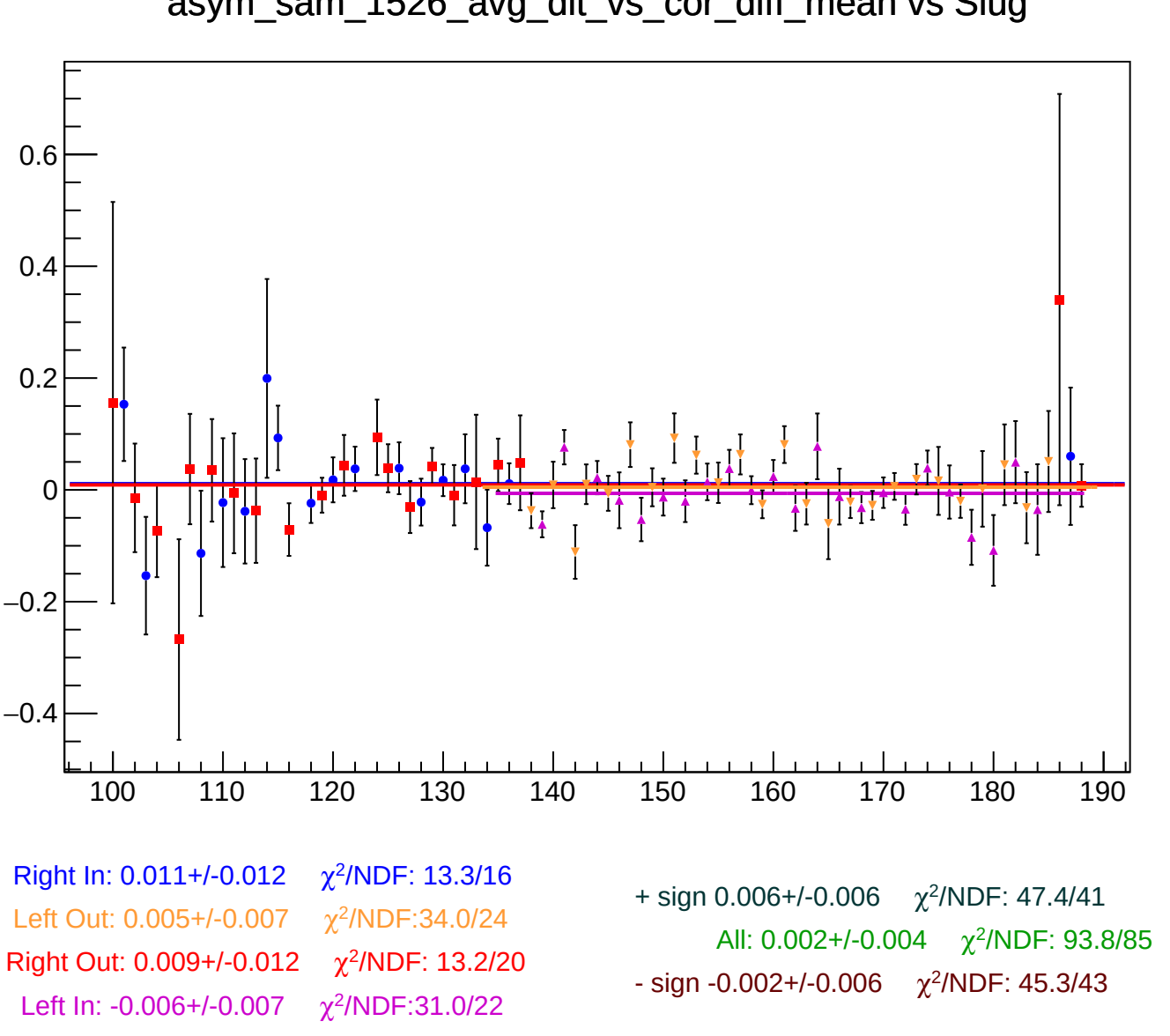
Right Out: 0.000+/-0.000 χ^2/NDF: 3946881.9/20

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

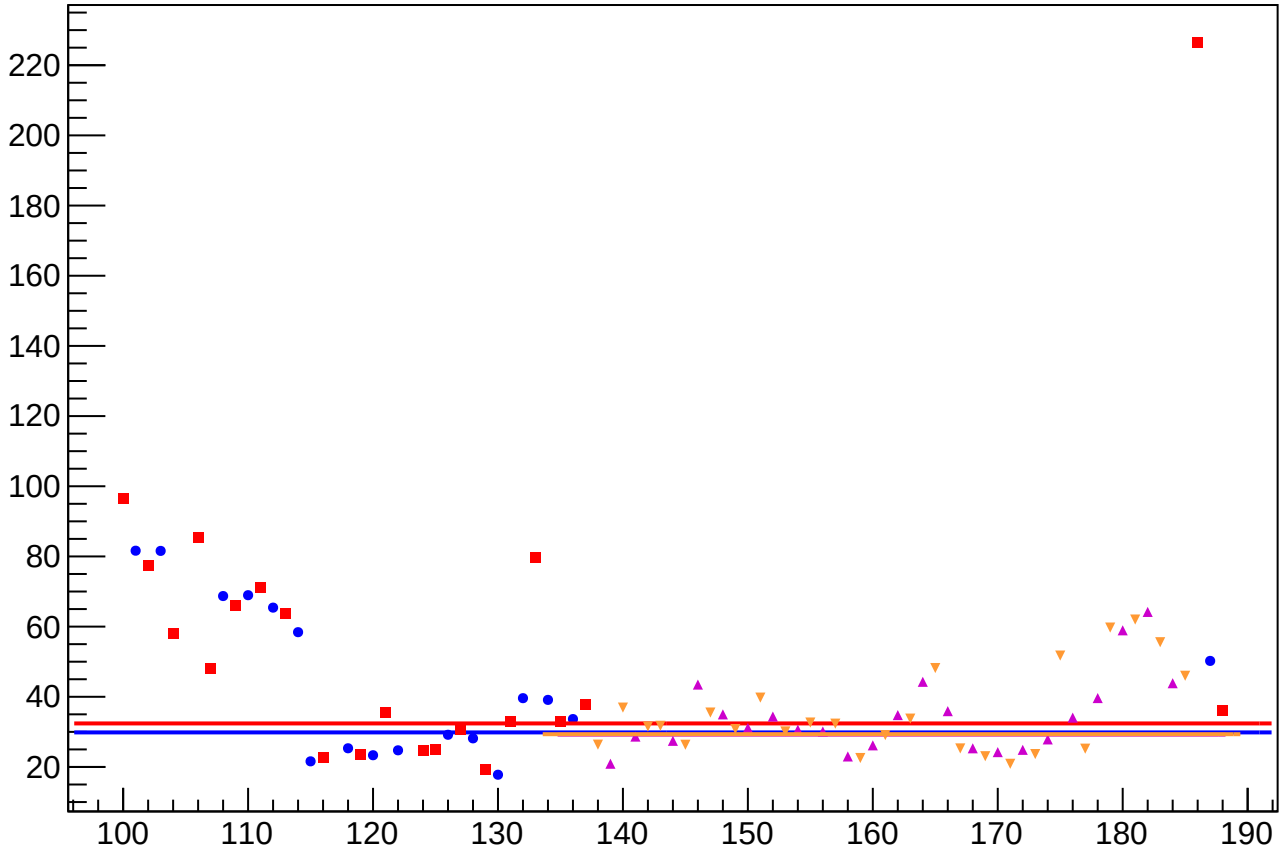
+ sign 0.000+/-0.000 χ^2/NDF: 5808116.2/41

All: 0.000+/-0.000 χ^2/NDF: 12214341.1/85

- sign 0.000+/-0.000 χ^2/NDF: 6341205.1/43


asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
–0.2
–0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.011+/-0.012 χ²/NDF: 13.3/16
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: 0.009+/-0.012 χ²/NDF: 13.2/20
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign 0.006+/-0.006 χ²/NDF: 47.4/41
All: 0.002+/-0.004 χ²/NDF: 93.8/85
- sign -0.002+/-0.006 χ²/NDF: 45.3/43

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.848+/-0.009 χ^2/NDF: 2504089.7/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

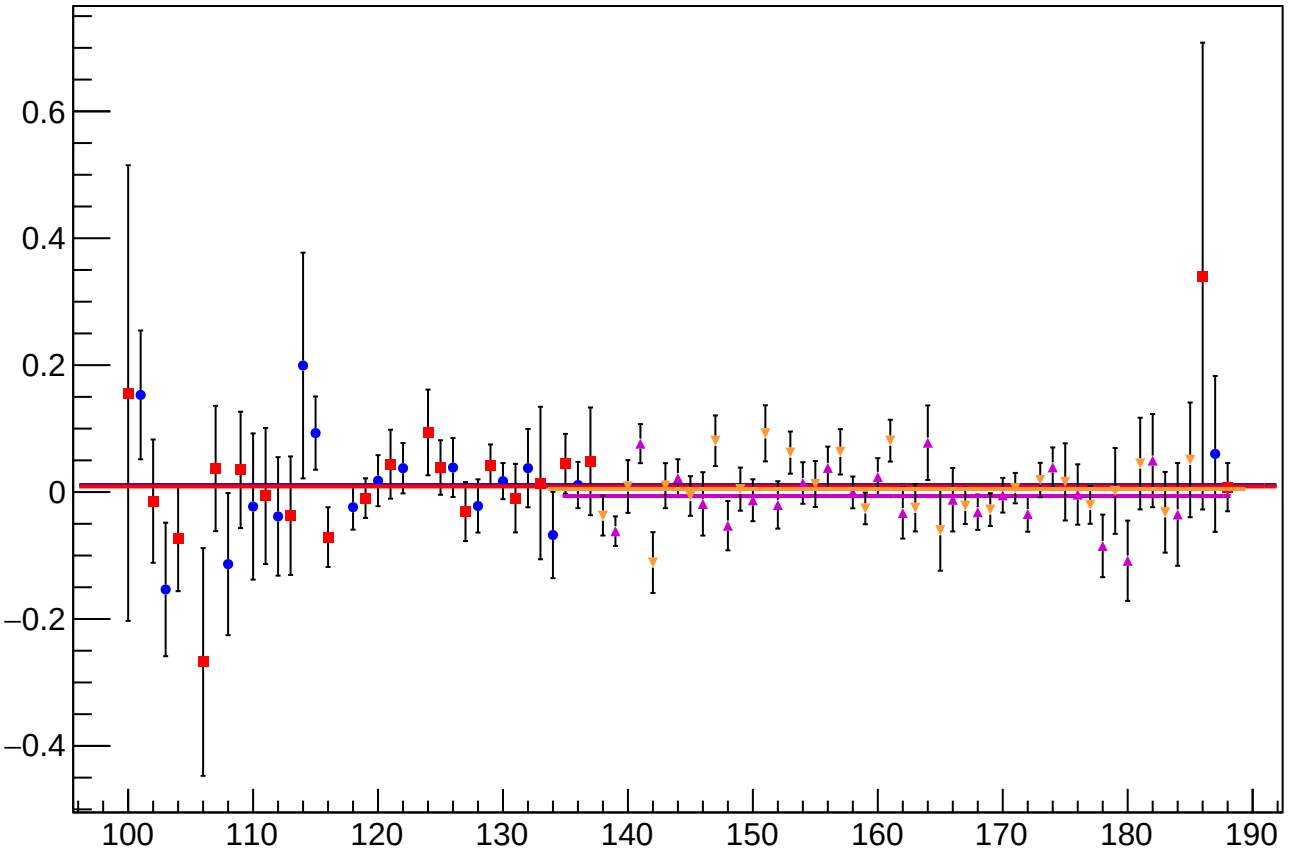
Right Out: 32.407+/-0.009 χ^2/NDF: 3232157.6/20

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

\+ sign 29.462+/-0.004 χ^2/NDF: 5193767.8/41

All: 29.741+/-0.003 χ^2/NDF: 10628676.6/85

\- sign 30.029+/-0.004 χ^2/NDF: 5426630.6/43



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

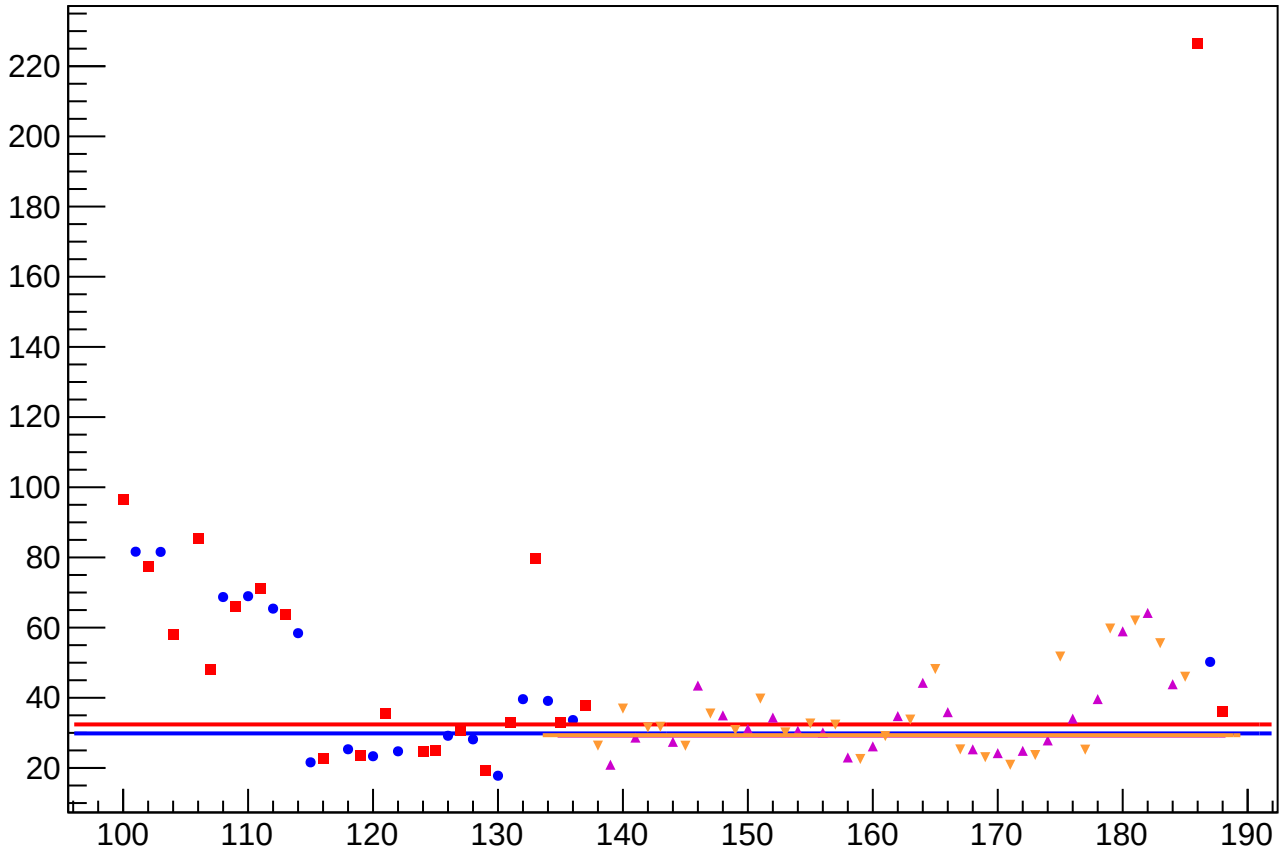
Right Out: 0.009+/-0.012 χ^2/NDF: 13.2/20

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.4/41

All: 0.002+/-0.004 χ^2/NDF: 93.8/85

- sign -0.002+/-0.006 χ^2/NDF: 45.3/43



Right In: 29.848+/-0.009 χ^2/NDF: 2504089.7/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

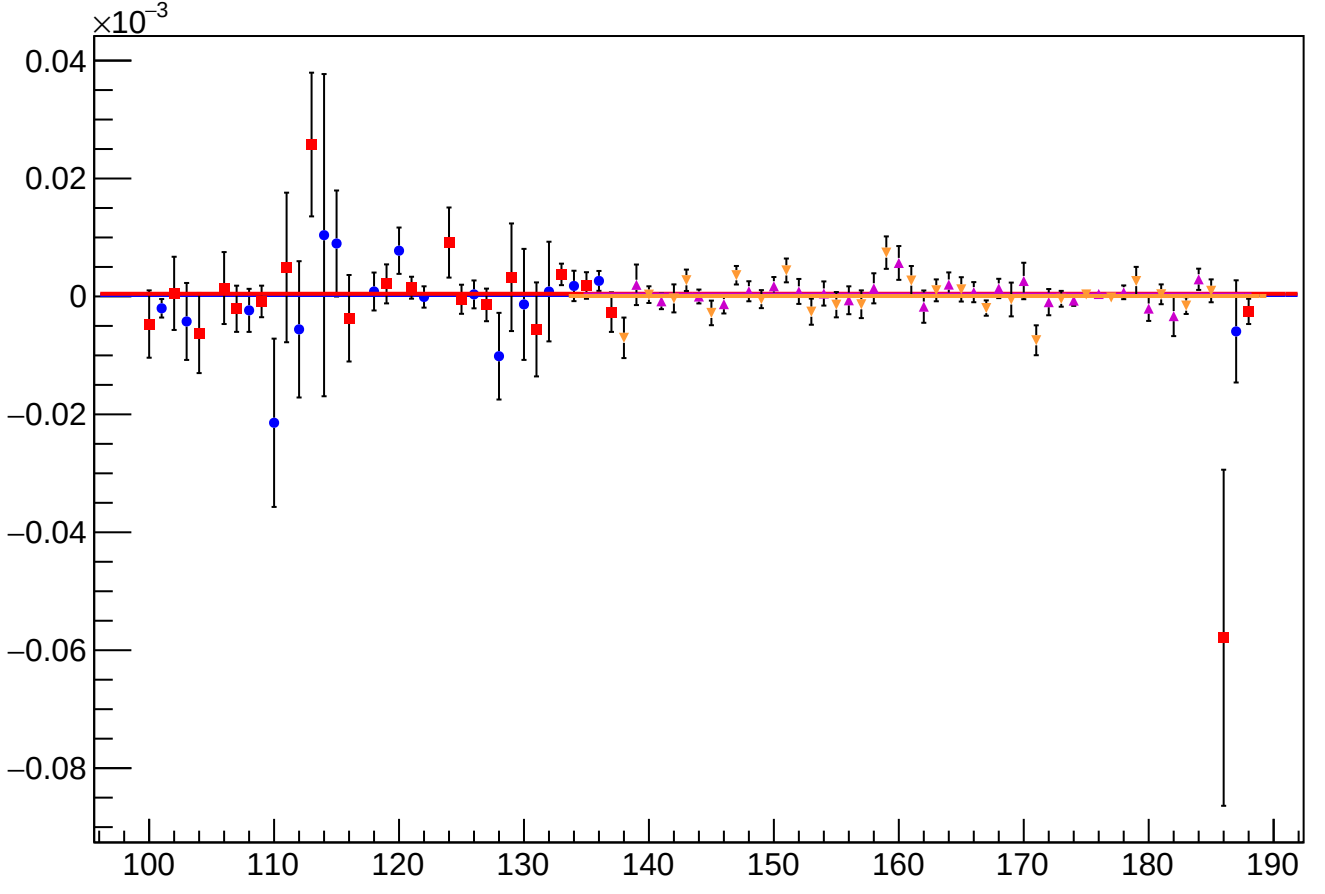
Right Out: 32.407+/-0.009 χ^2/NDF: 3232157.6/20

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

\+ sign 29.462+/-0.004 χ^2/NDF: 5193767.8/41

All: 29.741+/-0.003 χ^2/NDF: 10628676.6/85

\- sign 30.029+/-0.004 χ^2/NDF: 5426630.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

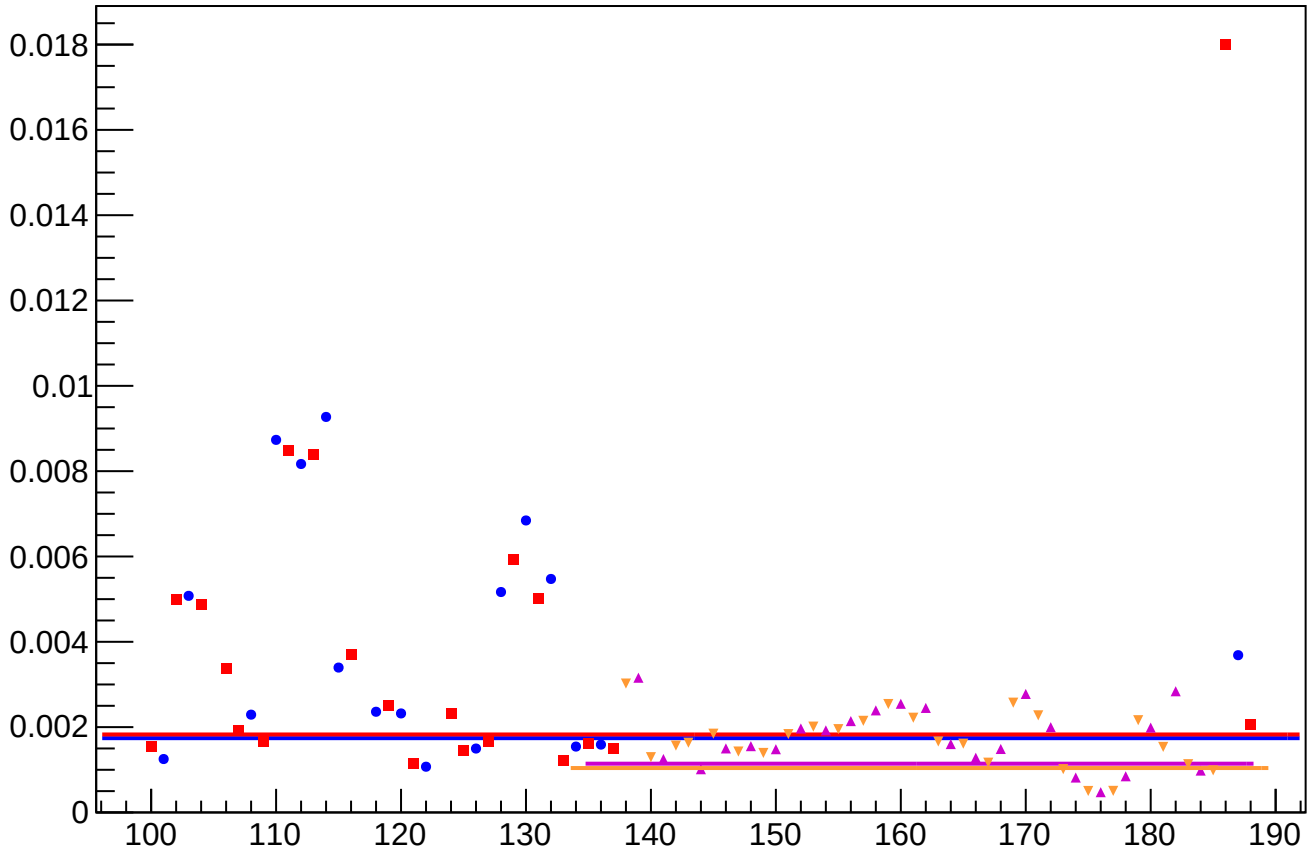
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/20

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.1/41

All: 0.000+/-0.000 χ^2/NDF: 96.8/85

- sign 0.000+/-0.000 χ^2/NDF: 37.3/43



Right In: 0.002+/-0.000 χ^2/NDF: 4033803.6/16

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

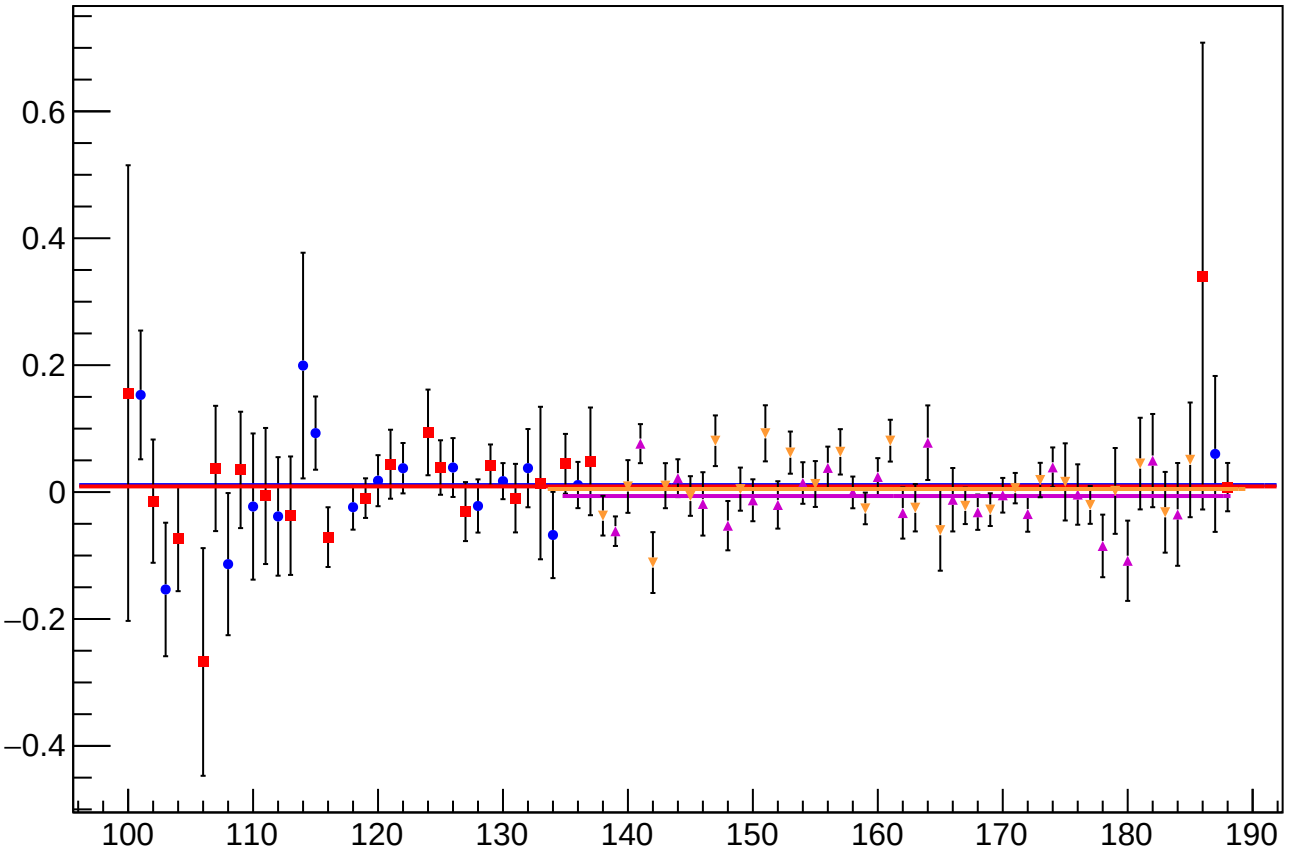
Right Out: 0.002+/-0.000 χ^2/NDF: 4395961.2/20

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 15358719.9/41

All: 0.001+/-0.000 χ^2/NDF: 29742822.4/85

- sign 0.001+/-0.000 χ^2/NDF: 14179573.3/43



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

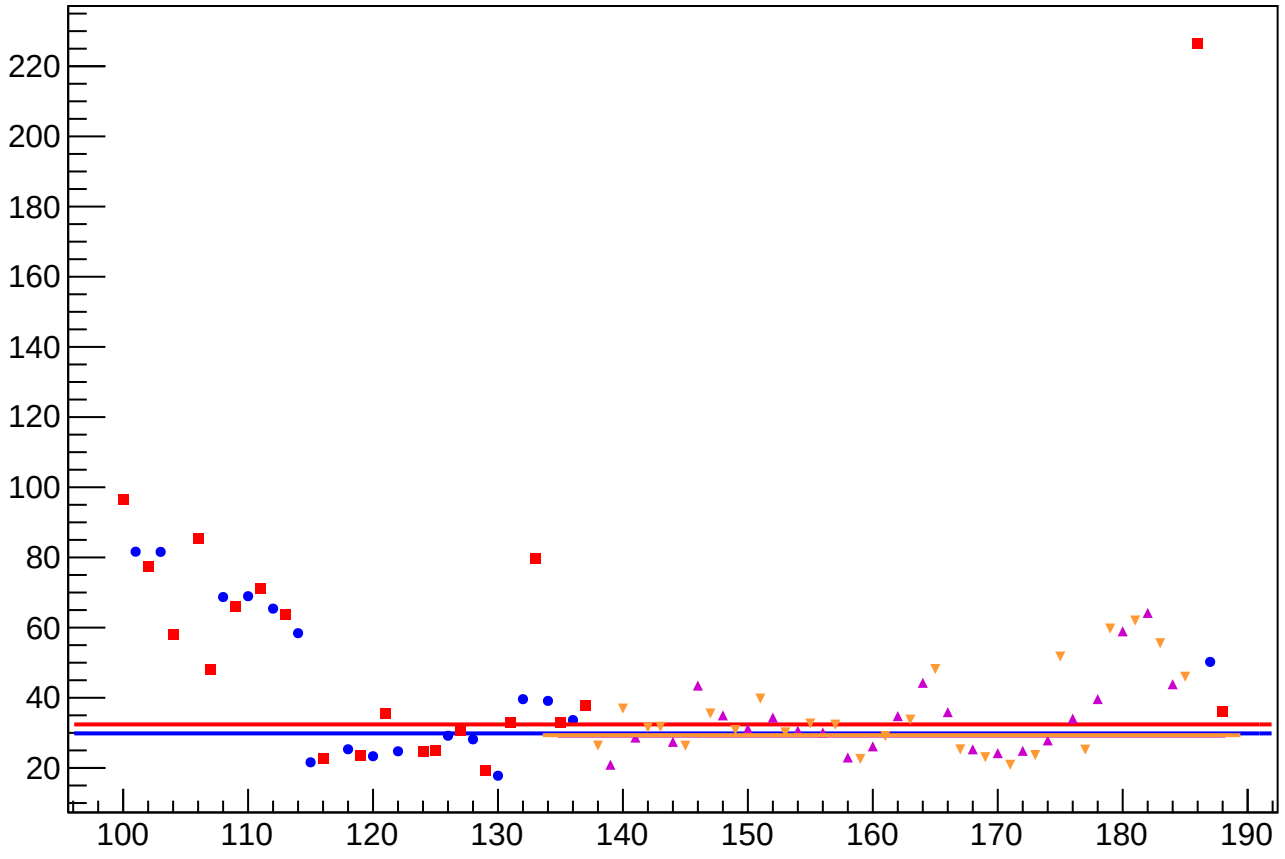
Right Out: 0.009+/-0.012 χ^2/NDF: 13.2/20

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.4/41

All: 0.002+/-0.004 χ^2/NDF: 93.8/85

- sign -0.002+/-0.006 χ^2/NDF: 45.3/43



Right In: 29.846+/-0.009 χ^2/NDF: 2504309.2/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

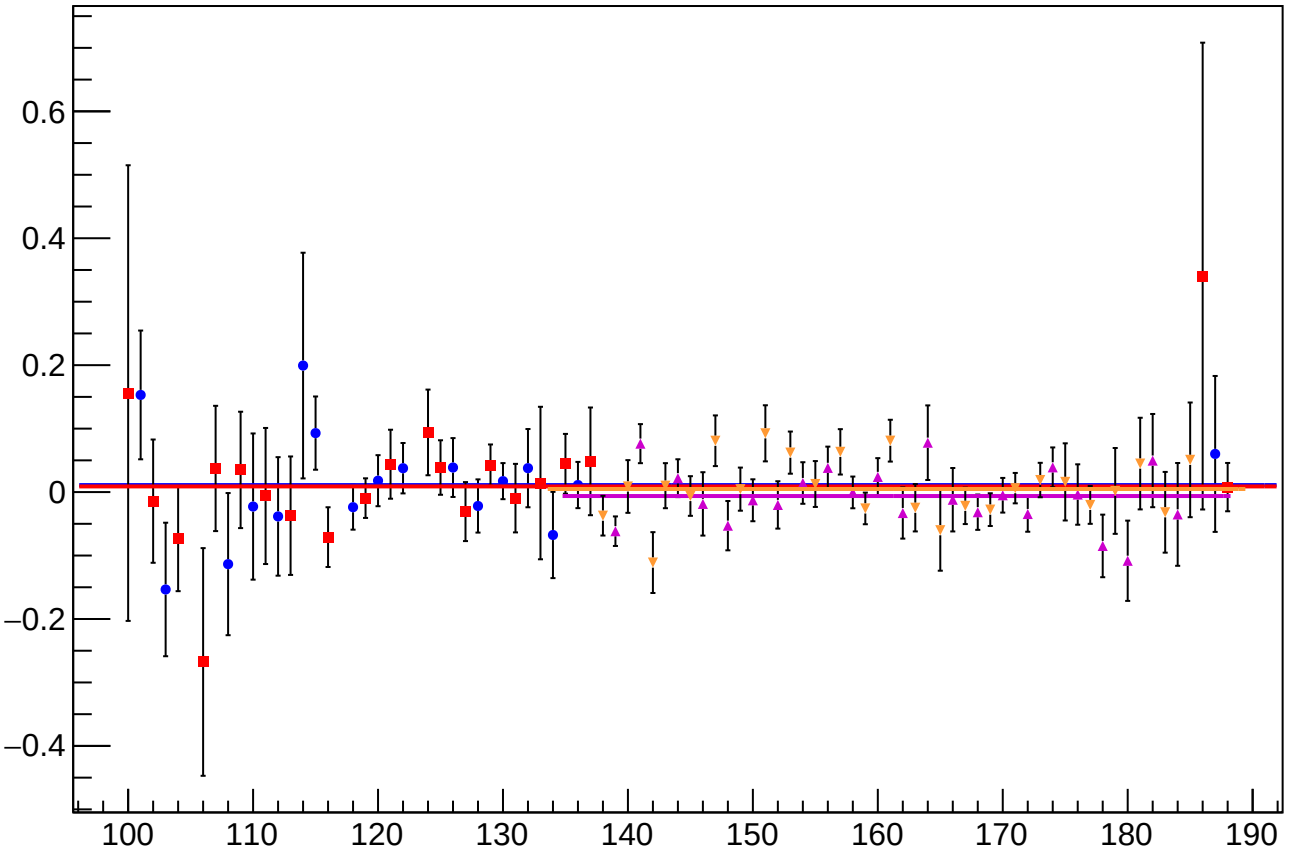
Right Out: 32.406+/-0.009 χ^2/NDF: 3232350.2/20

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.462+/-0.004 χ^2/NDF: 5194014.5/41

All: 29.741+/-0.003 χ^2/NDF: 10628994.8/85

- sign 30.029+/-0.004 χ^2/NDF: 5426695.8/43



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

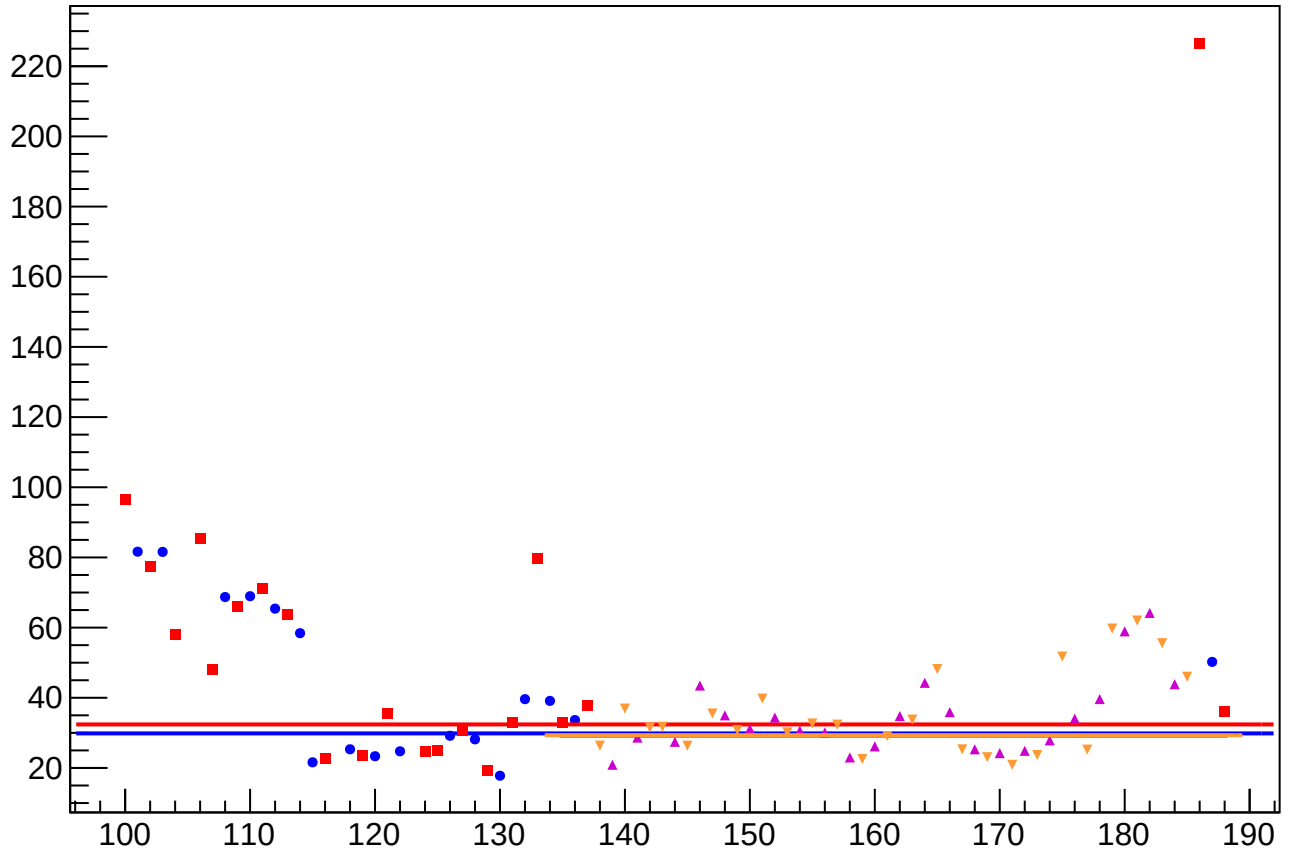
Right Out: 0.009+/-0.012 χ^2/NDF: 13.2/20

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.4/41

All: 0.002+/-0.004 χ^2/NDF: 93.8/85

- sign -0.002+/-0.006 χ^2/NDF: 45.3/43



Right In: 29.846+/-0.009 χ^2/NDF: 2504309.2/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

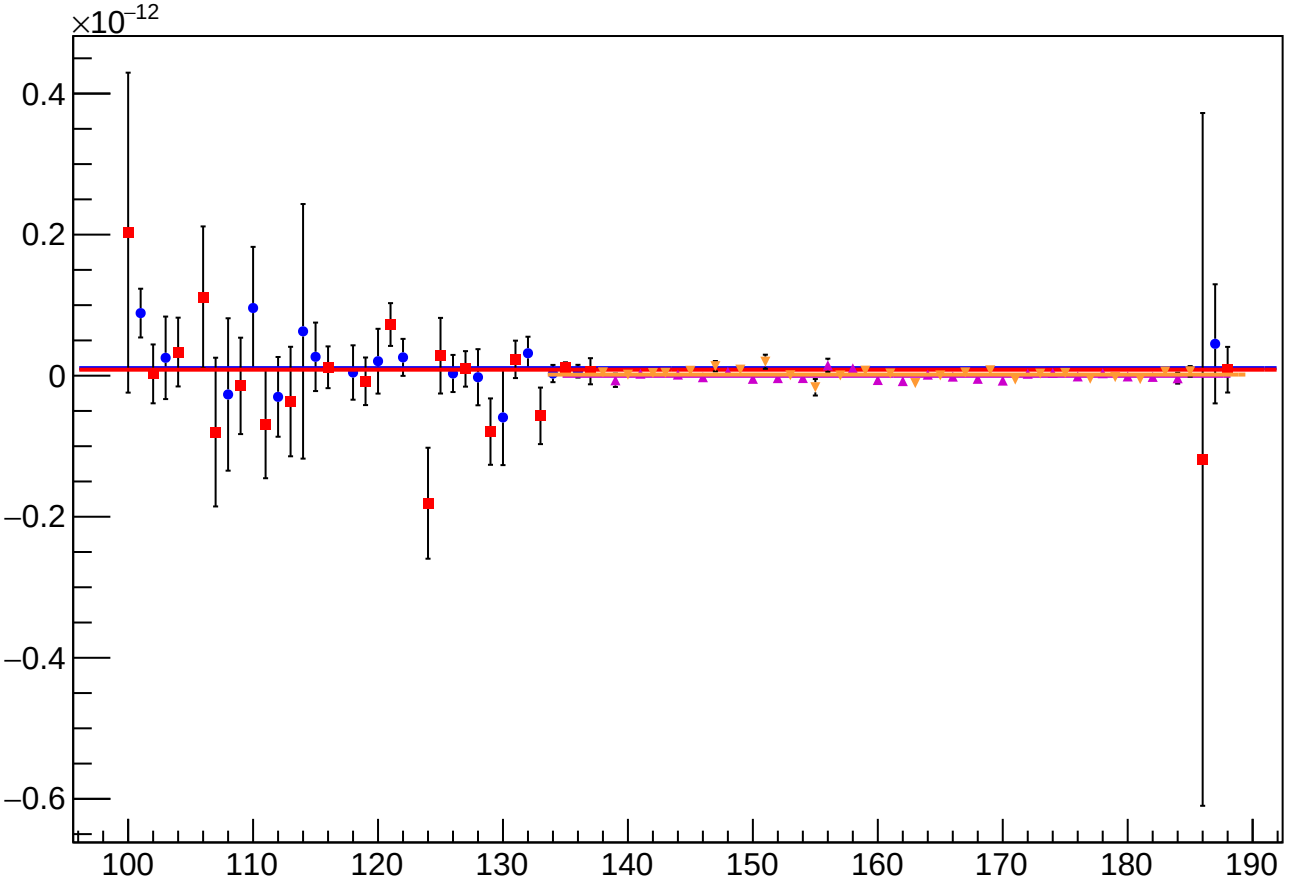
Right Out: 32.406+/-0.009 χ^2/NDF: 3232350.2/20

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.462+/-0.004 χ^2/NDF: 5194014.5/41

All: 29.741+/-0.003 χ^2/NDF: 10628994.8/85

- sign 30.029+/-0.004 χ^2/NDF: 5426695.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 10.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

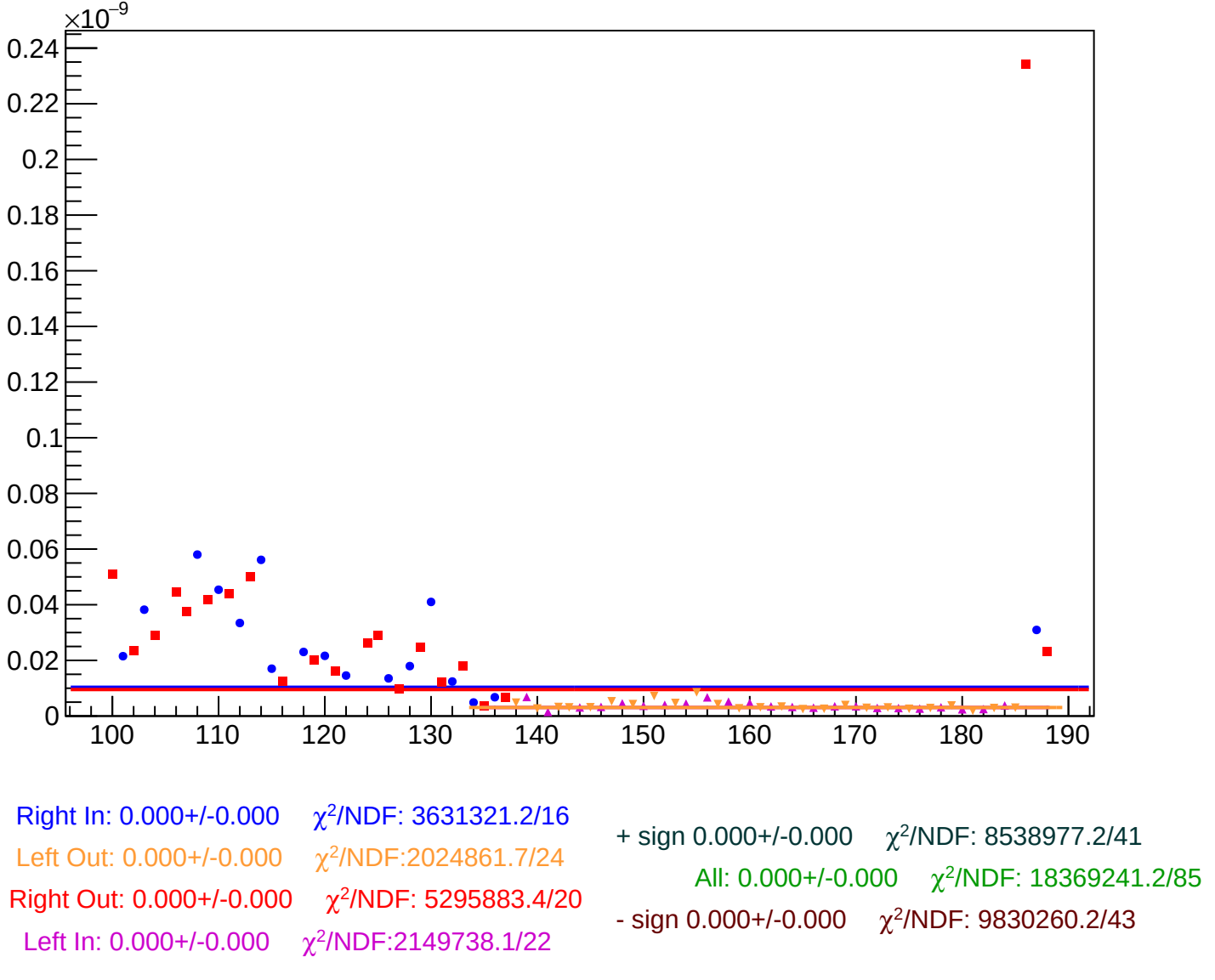
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/20

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

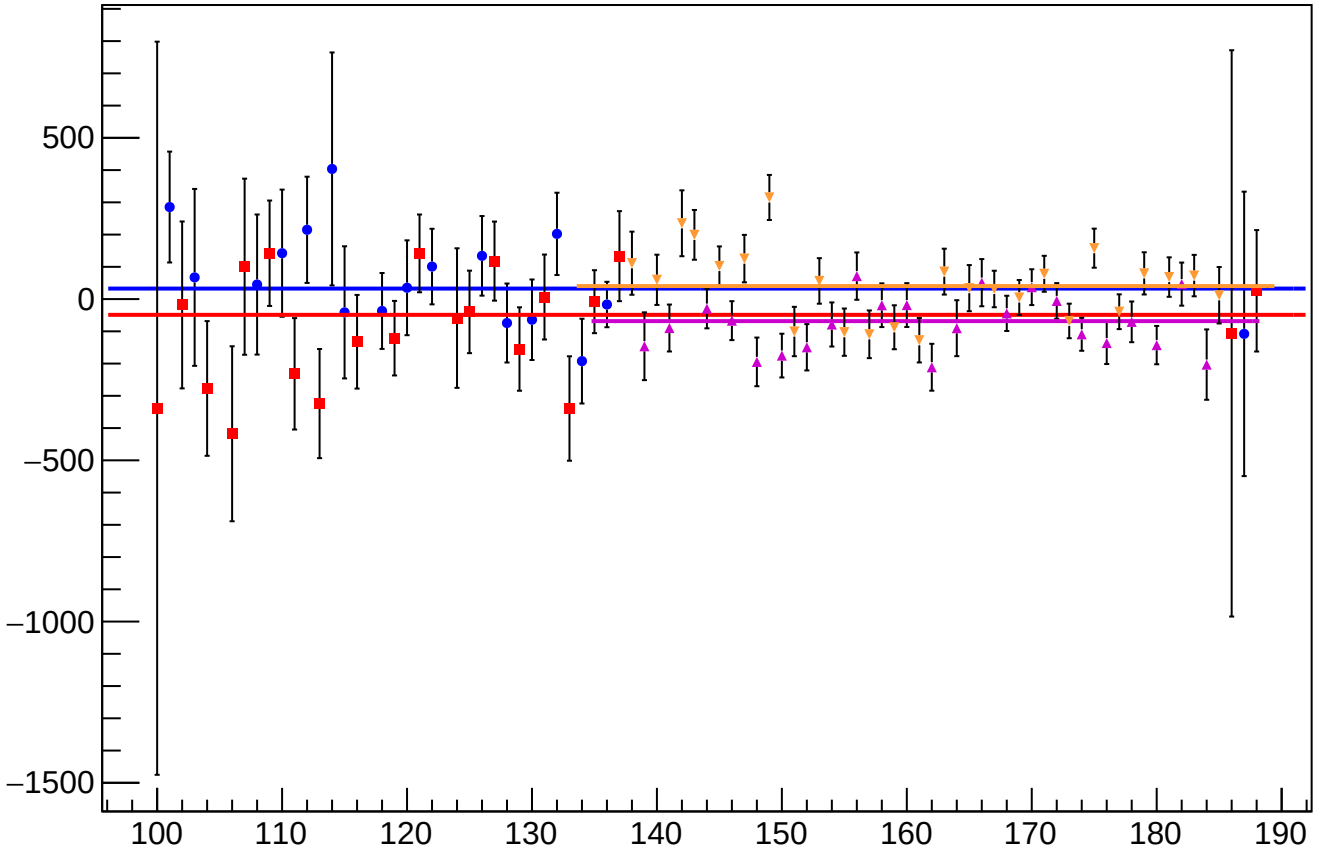
+ sign 0.000+/-0.000 χ^2/NDF: 47.5/41

All: 0.000+/-0.000 χ^2/NDF: 91.6/85

- sign 0.000+/-0.000 χ^2/NDF: 42.2/43


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3631321.2/16
Left Out: 0.000+/-0.000 χ²/NDF:2024861.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5295883.4/20
Left In: 0.000+/-0.000 χ²/NDF:2149738.1/22
+ sign 0.000+/-0.000 χ²/NDF: 8538977.2/41
All: 0.000+/-0.000 χ²/NDF: 18369241.2/85
- sign 0.000+/-0.000 χ²/NDF: 9830260.2/43

reg_asym_sam_3726_avg_mean vs Slug



Right In: 32.602+/-33.781 χ^2/NDF: 12.9/16

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -48.871+/-34.243 χ^2/NDF: 19.7/20

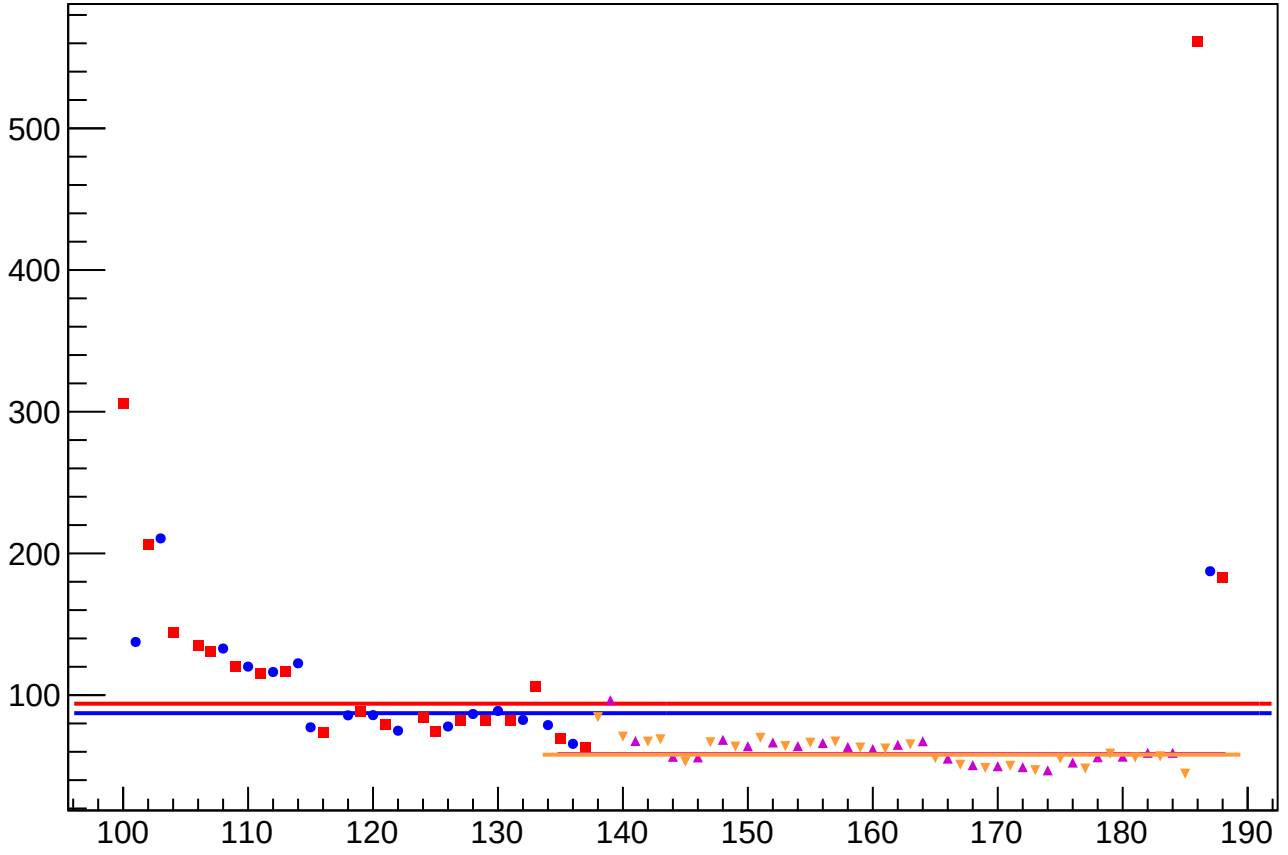
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 39.289+/-12.457 χ^2/NDF: 72.4/41

All: -11.519+/-8.945 χ^2/NDF: 158.5/85

- sign -65.601+/-12.852 χ^2/NDF: 51.8/43

reg_asym_sam_3726_avg_rms vs Slug



Right In: 87.257+/-0.024 χ^2/NDF: 1142599.9/16

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

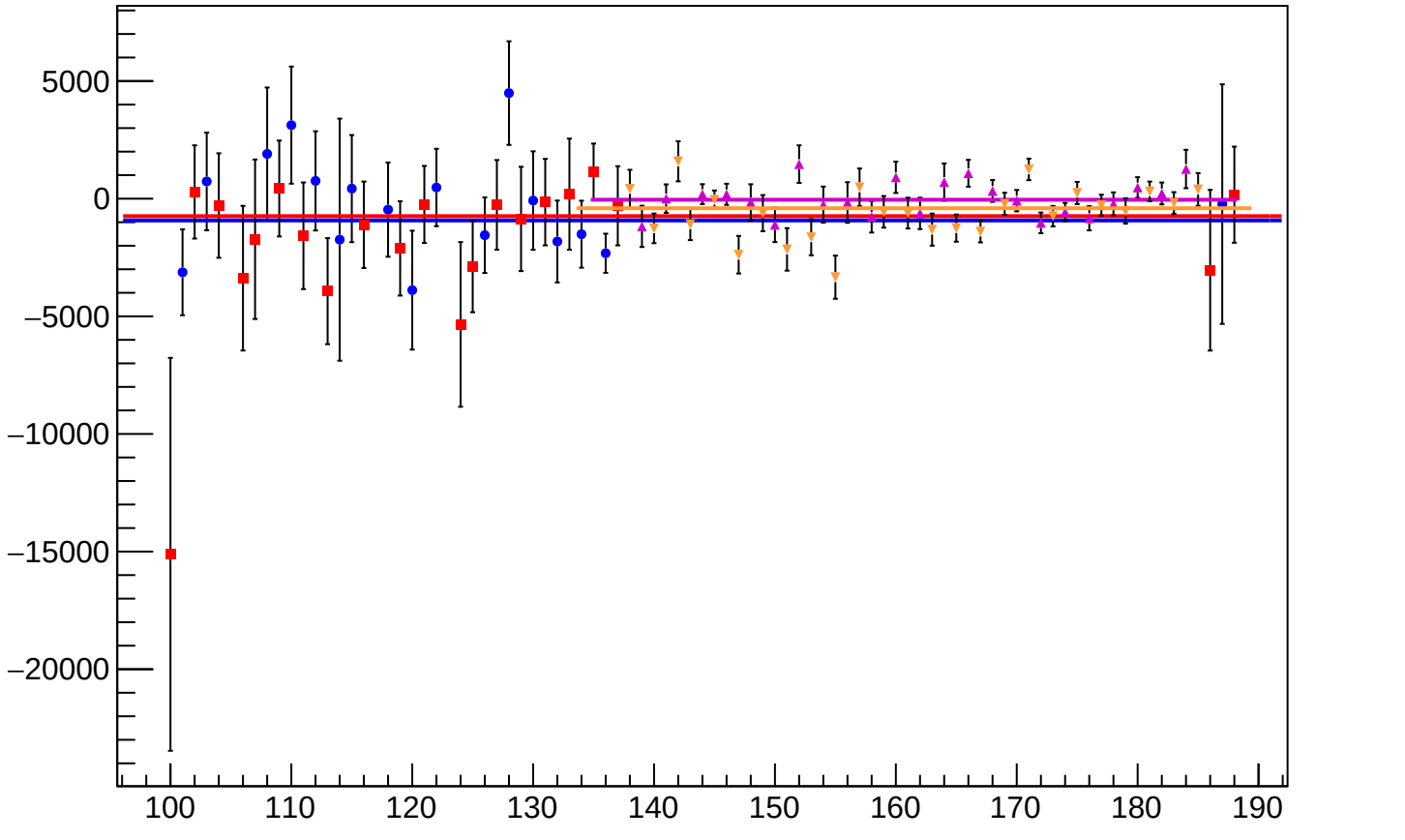
Right Out: 93.950+/-0.024 χ^2/NDF: 2190429.5/20

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 61.975+/-0.009 χ^2/NDF: 3246839.0/41

All: 62.668+/-0.006 χ^2/NDF: 8037524.0/85

- sign 63.405+/-0.009 χ^2/NDF: 4777911.8/43



Right In: -924.612+/-439.249 χ^2/NDF: 18.5/16

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

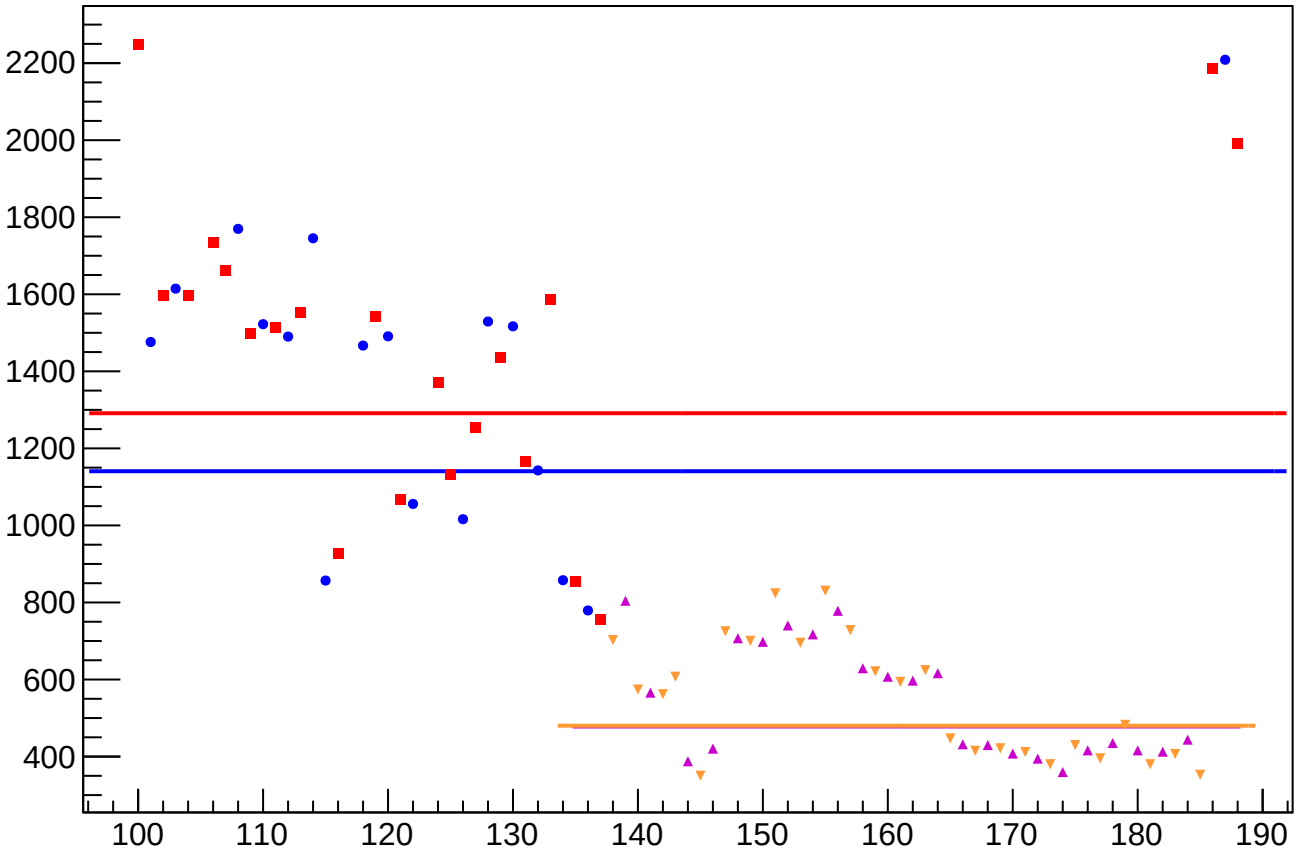
Right Out: -742.455+/-452.073 χ^2/NDF: 13.7/20

Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -438.744+/-109.861 χ^2/NDF: 83.1/41

All: -266.866+/-78.479 χ^2/NDF: 135.0/85

- sign -87.763+/-112.146 χ^2/NDF: 46.9/43



Right In: 1140.697+/-0.311 χ^2/NDF: 1212822.9/16

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1291.201+/-0.320 χ^2/NDF: 1294753.1/20

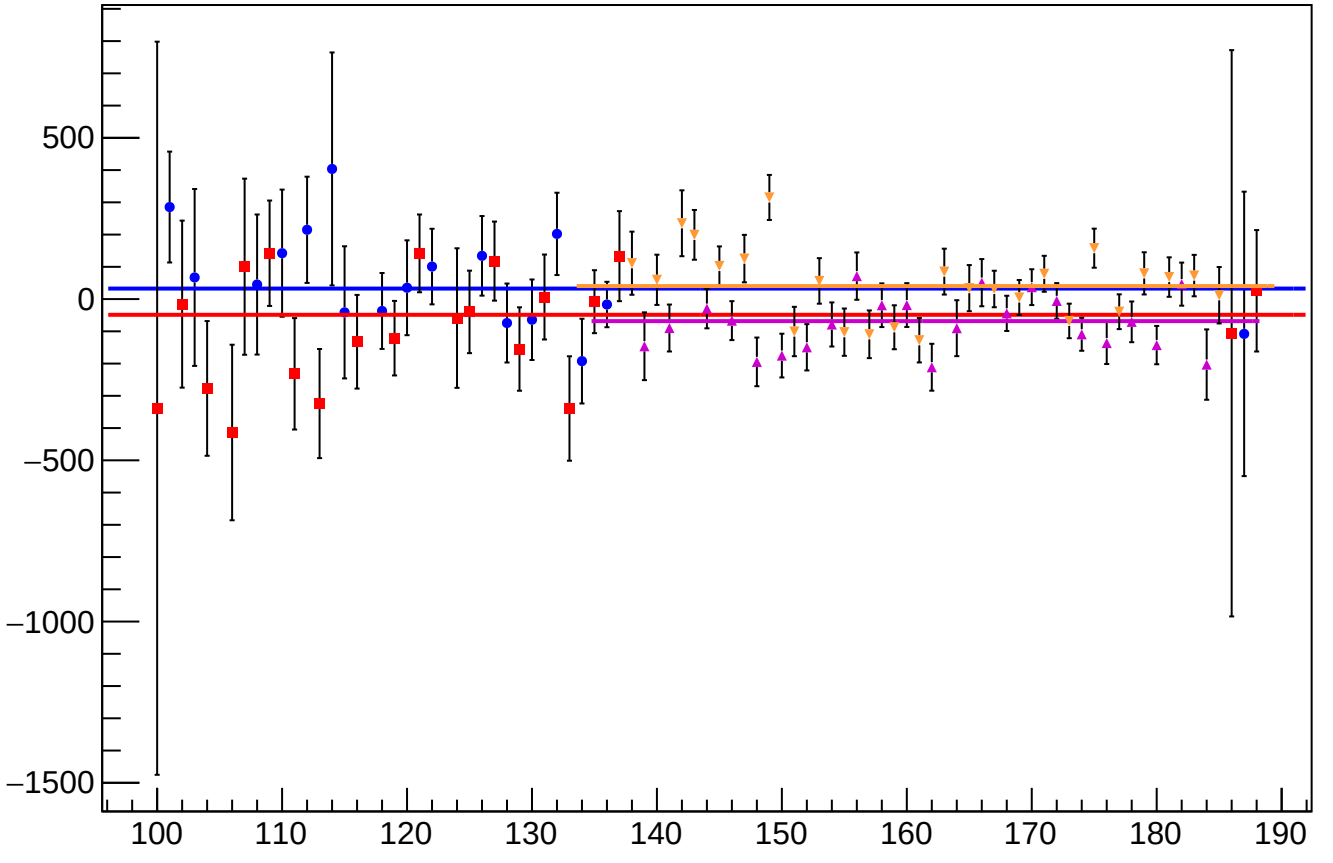
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 521.482+/-0.078 χ^2/NDF: 8034837.9/41

All: 524.734+/-0.055 χ^2/NDF: 17620745.8/85

- sign 528.122+/-0.079 χ^2/NDF: 9582329.9/43

cor_asym_sam_3726_avg_mean vs Slug



Right In: 32.593+/-33.781 χ^2/NDF: 12.9/16

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -48.727+/-34.245 χ^2/NDF: 19.7/20

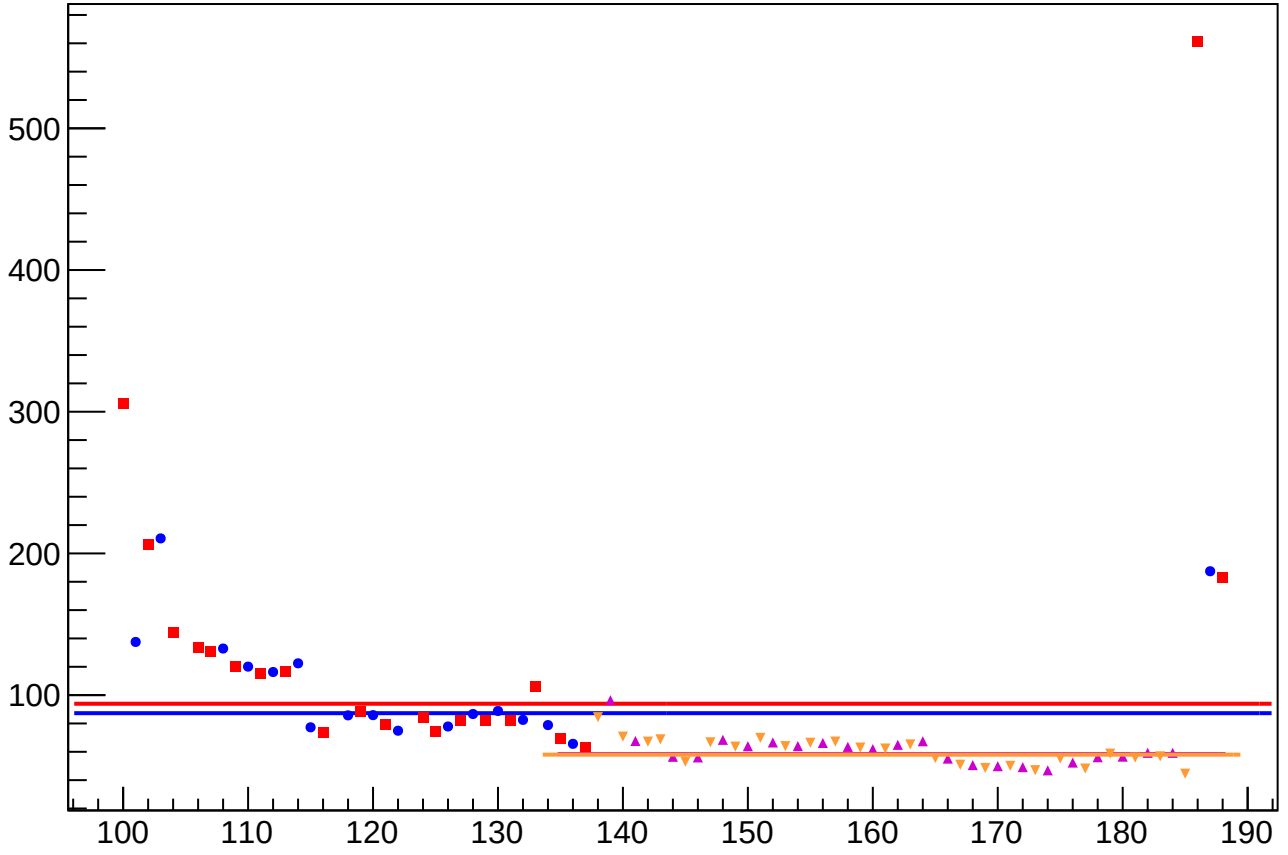
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.290+/-12.457 χ^2/NDF: 72.4/41

All: -11.508+/-8.945 χ^2/NDF: 158.4/85

- sign -65.580+/-12.853 χ^2/NDF: 51.7/43

cor_asym_sam_3726_avg_rms vs Slug



Right In: 87.257+/-0.024 χ^2/NDF: 1142602.8/16

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

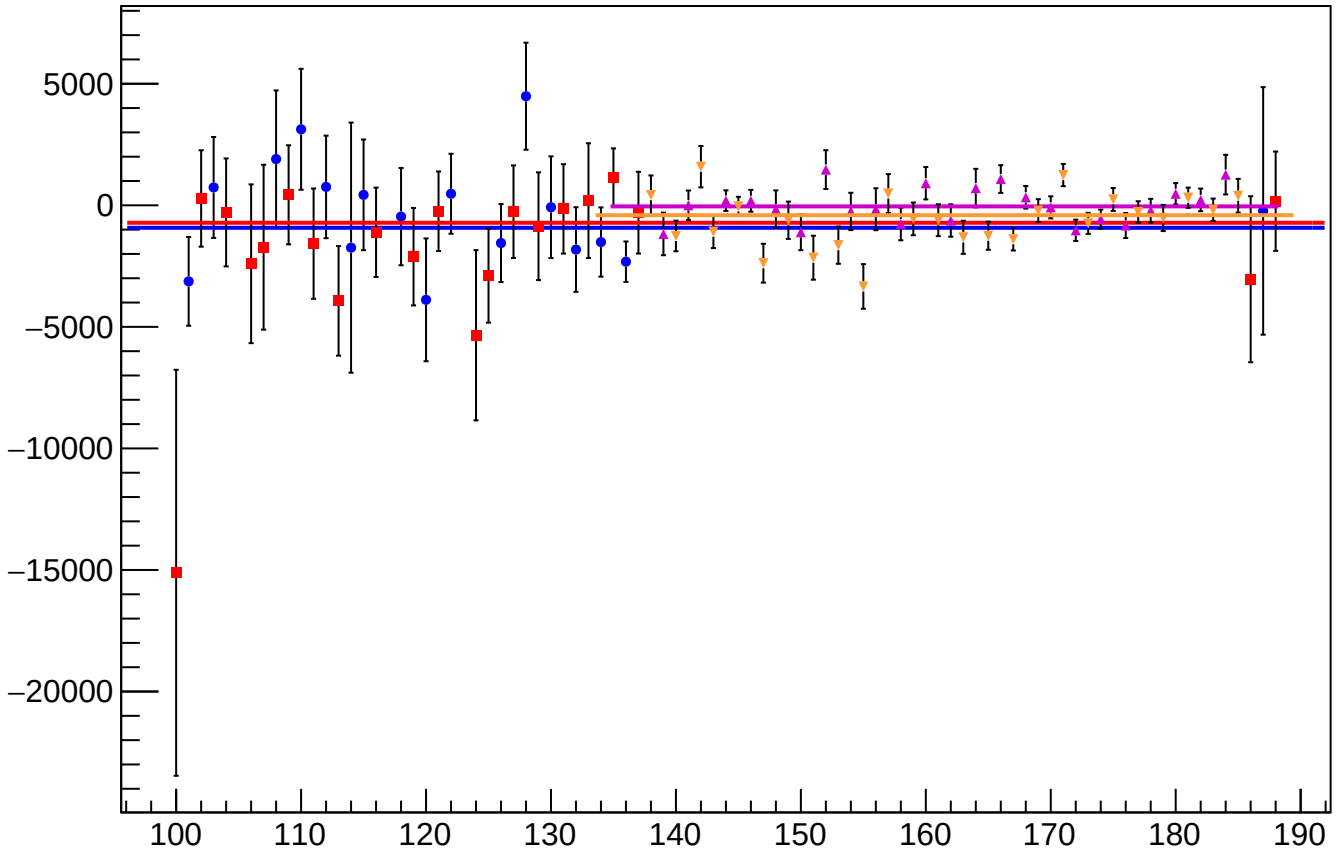
Right Out: 93.915+/-0.024 χ^2/NDF: 2186196.6/20

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 61.975+/-0.009 χ^2/NDF: 3246841.2/41

All: 62.665+/-0.006 χ^2/NDF: 8029326.1/85

- sign 63.400+/-0.009 χ^2/NDF: 4769809.7/43



Right In: -924.579+/-439.250 χ^2/NDF: 18.5/16

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -717.614+/-452.648 χ^2/NDF: 13.2/20

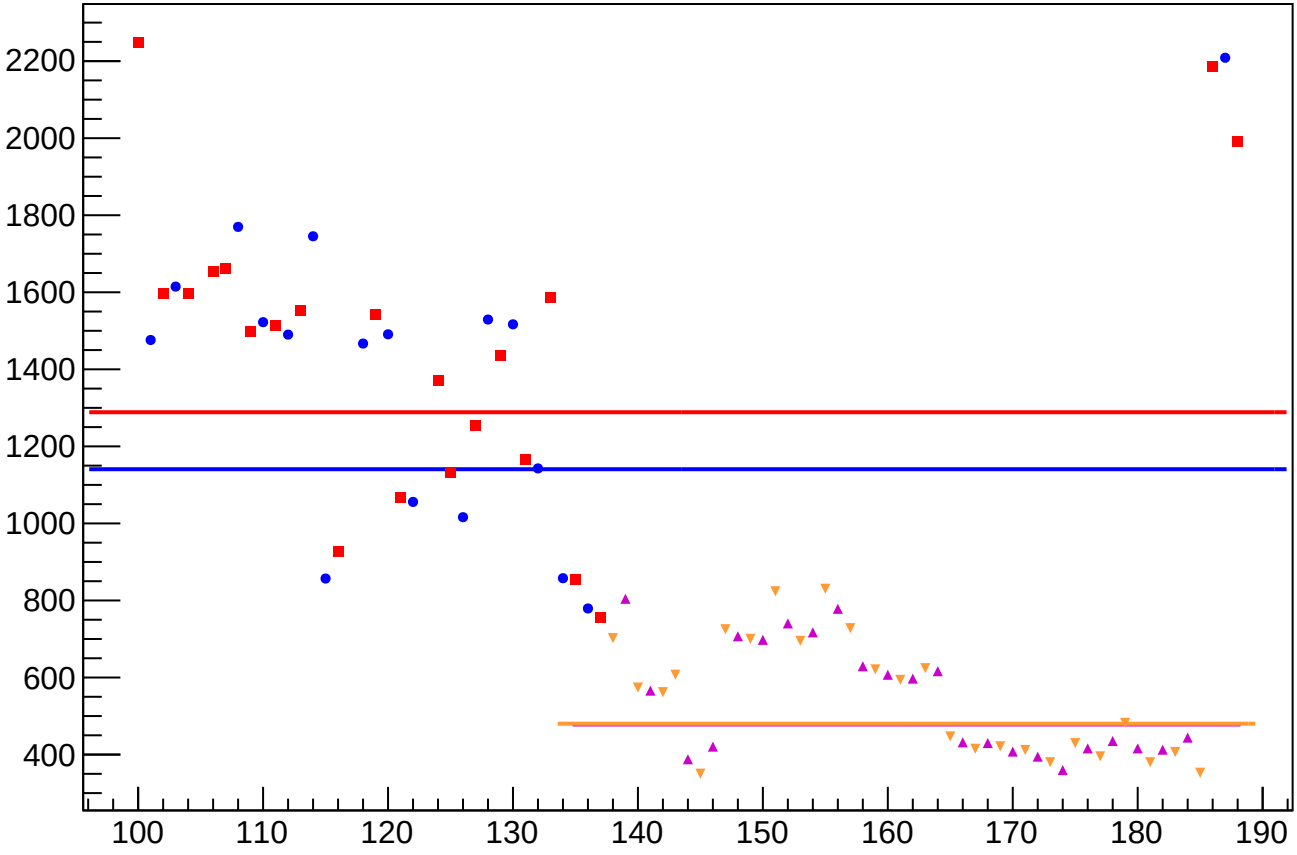
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -438.740+/-109.861 χ^2/NDF: 83.1/41

All: -266.080+/-78.482 χ^2/NDF: 134.4/85

- sign -86.134+/-112.155 χ^2/NDF: 46.3/43

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1140.698+/-0.311 χ^2/NDF: 1212858.7/16

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

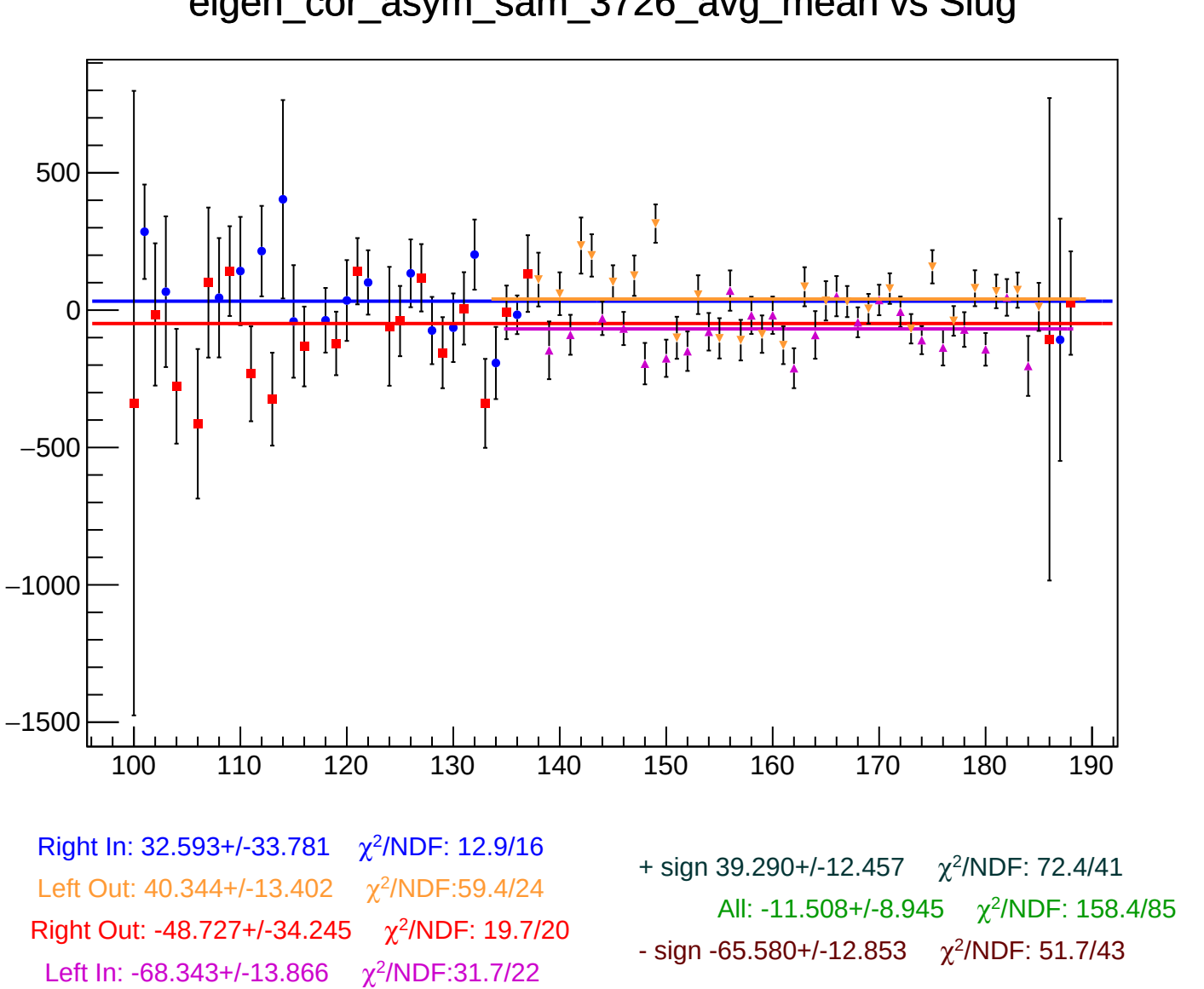
Right Out: 1288.647+/-0.320 χ^2/NDF: 1278466.1/20

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

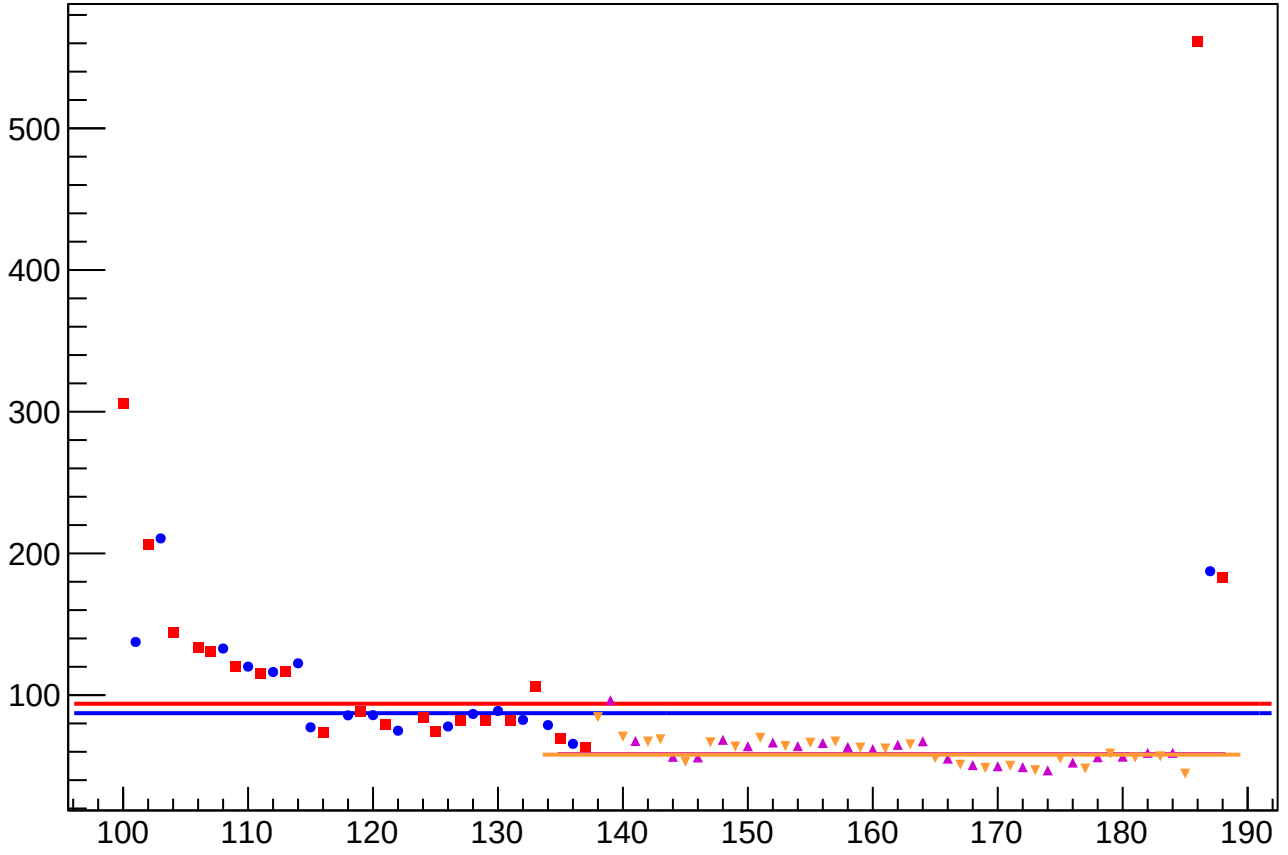
+ sign 521.482+/-0.078 χ^2/NDF: 8034864.0/41

All: 524.599+/-0.055 χ^2/NDF: 17551731.9/85

- sign 527.847+/-0.079 χ^2/NDF: 9513581.0/43


eigen_cor_asym_sam_3726_avg_mean vs Slug
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Right In: 32.593+/-33.781 χ²/NDF: 12.9/16
Left Out: 40.344+/-13.402 χ²/NDF:59.4/24
Right Out: -48.727+/-34.245 χ²/NDF: 19.7/20
Left In: -68.343+/-13.866 χ²/NDF:31.7/22
+ sign 39.290+/-12.457 χ²/NDF: 72.4/41
All: -11.508+/-8.945 χ²/NDF: 158.4/85
- sign -65.580+/-12.853 χ²/NDF: 51.7/43

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 87.257+/-0.024 χ^2/NDF: 1142602.8/16

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

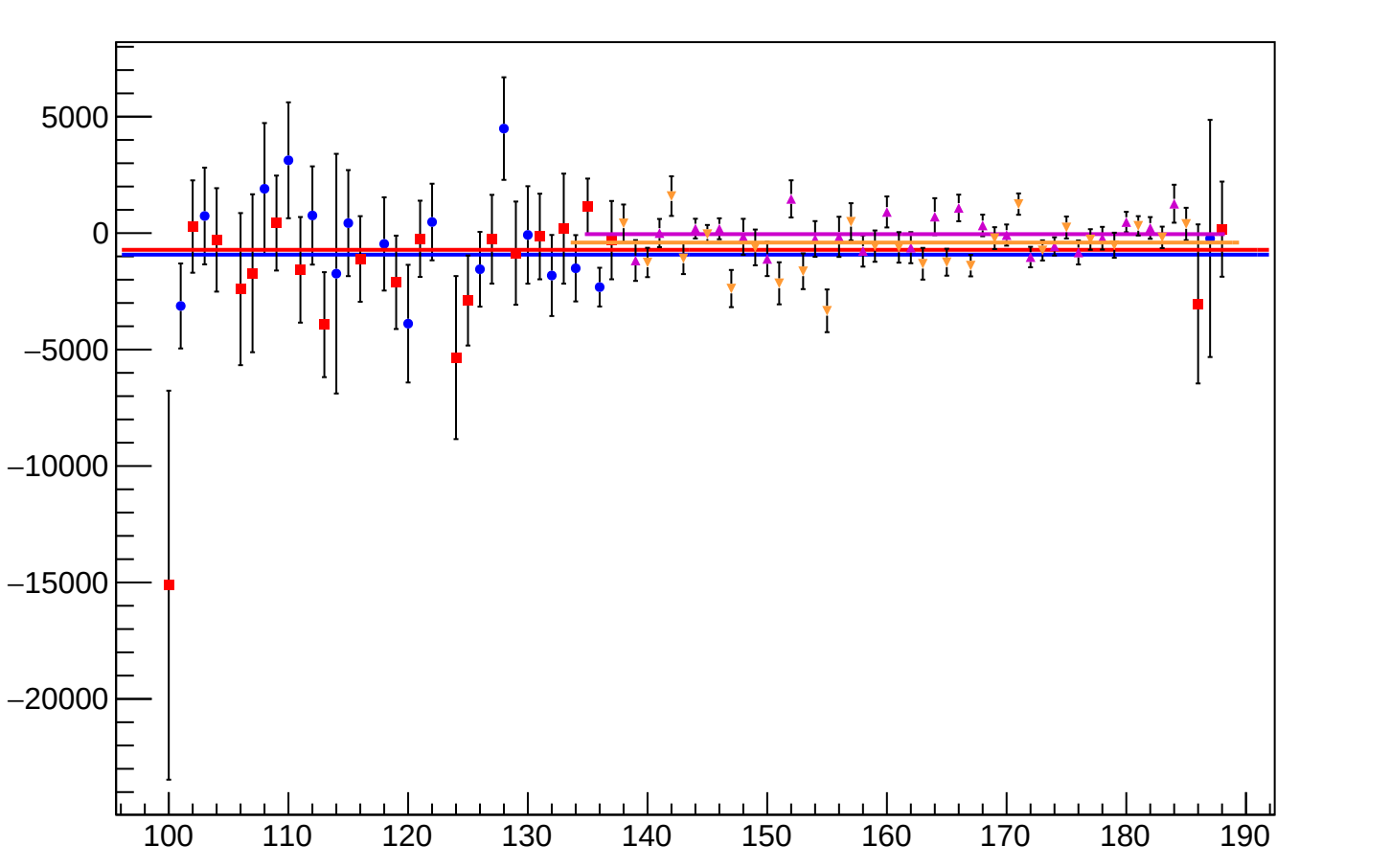
Right Out: 93.915+/-0.024 χ^2/NDF: 2186196.6/20

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 61.975+/-0.009 χ^2/NDF: 3246841.2/41

All: 62.665+/-0.006 χ^2/NDF: 8029326.1/85

- sign 63.400+/-0.009 χ^2/NDF: 4769809.7/43



Right In: -924.579+/-439.250 χ^2/NDF: 18.5/16

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

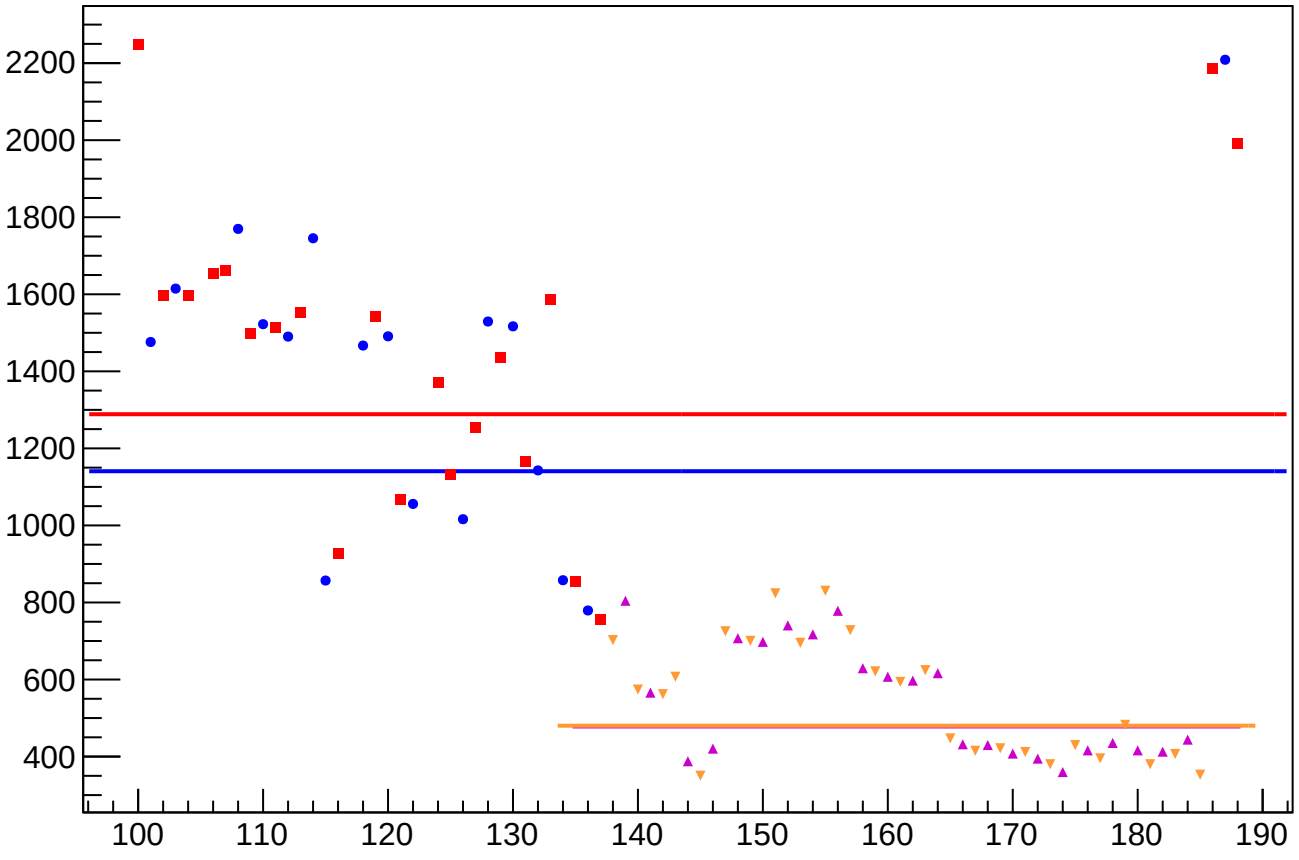
Right Out: -717.614+/-452.648 χ^2/NDF: 13.2/20

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -438.740+/-109.861 χ^2/NDF: 83.1/41

All: -266.080+/-78.482 χ^2/NDF: 134.4/85

- sign -86.134+/-112.155 χ^2/NDF: 46.3/43



Right In: 1140.698+/-0.311 χ^2/NDF: 1212858.7/16

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1288.647+/-0.320 χ^2/NDF: 1278466.1/20

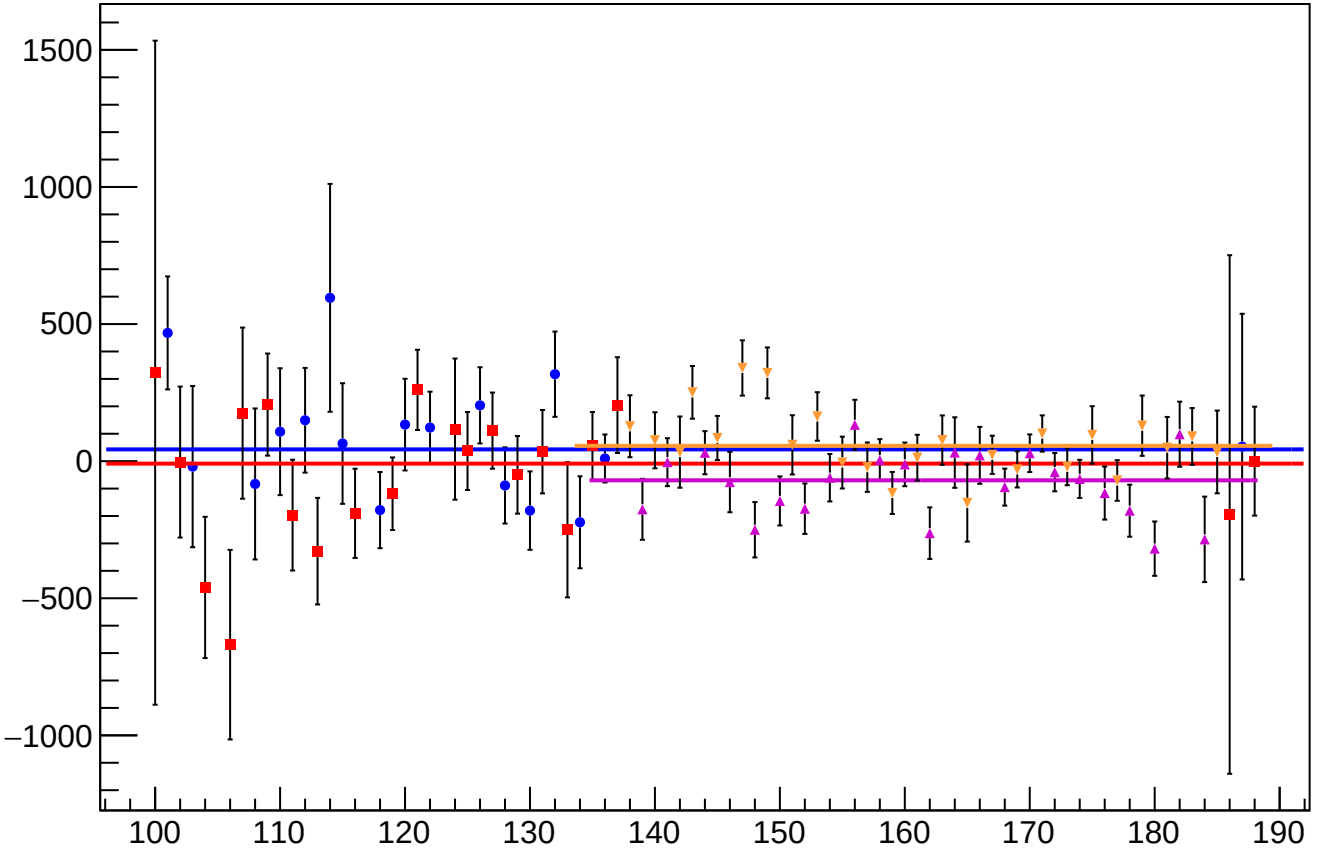
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 521.482+/-0.078 χ^2/NDF: 8034864.0/41

All: 524.599+/-0.055 χ^2/NDF: 17551731.9/85

- sign 527.847+/-0.079 χ^2/NDF: 9513581.0/43

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.983+/-39.813 χ^2/NDF: 20.3/16

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -8.952+/-40.173 χ^2/NDF: 21.4/20

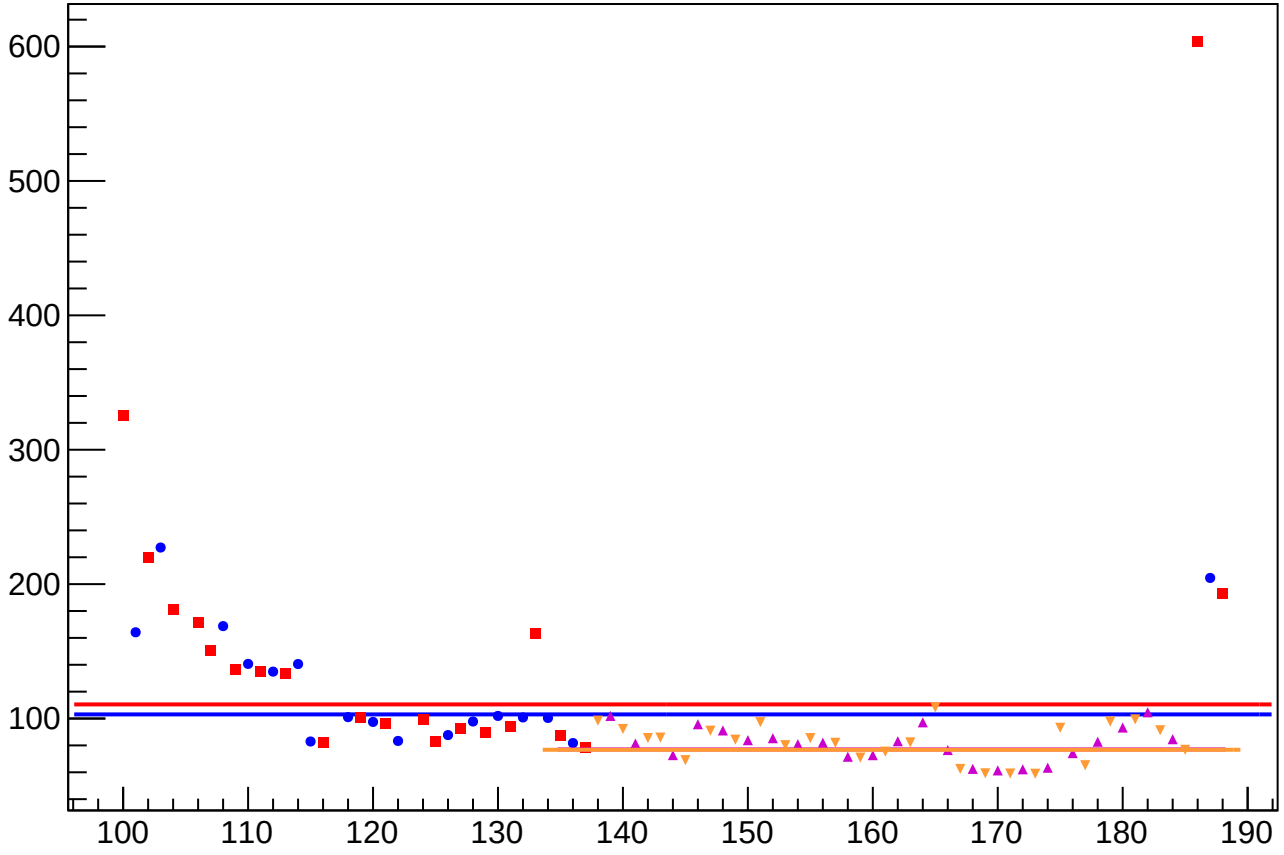
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.758+/-16.363 χ^2/NDF: 58.7/41

All: -1.225+/-11.722 χ^2/NDF: 139.7/85

- sign -59.193+/-16.801 χ^2/NDF: 57.8/43

dit_asym_sam_3726_avg_rms vs Slug



Right In: 103.069+/-0.028 χ^2/NDF: 1070765.7/16

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

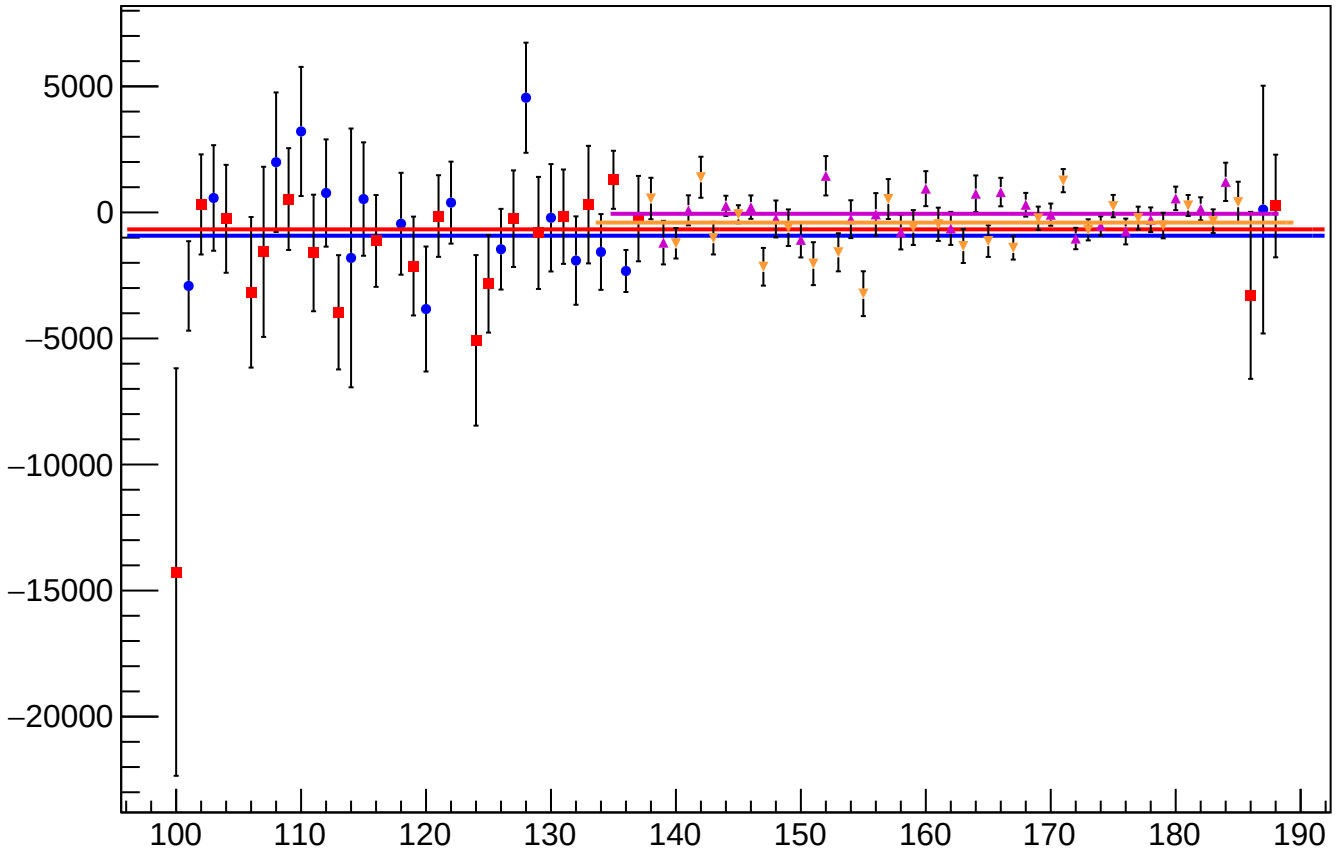
Right Out: 110.500+/-0.028 χ^2/NDF: 2106494.2/20

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 81.191+/-0.012 χ^2/NDF: 3032113.5/41

All: 82.010+/-0.008 χ^2/NDF: 7154034.4/85

- sign 82.874+/-0.012 χ^2/NDF: 4111614.0/43



Right In: -923.971+/-440.939 χ^2/NDF: 18.5/16

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -671.738+/-447.528 χ^2/NDF: 14.3/20

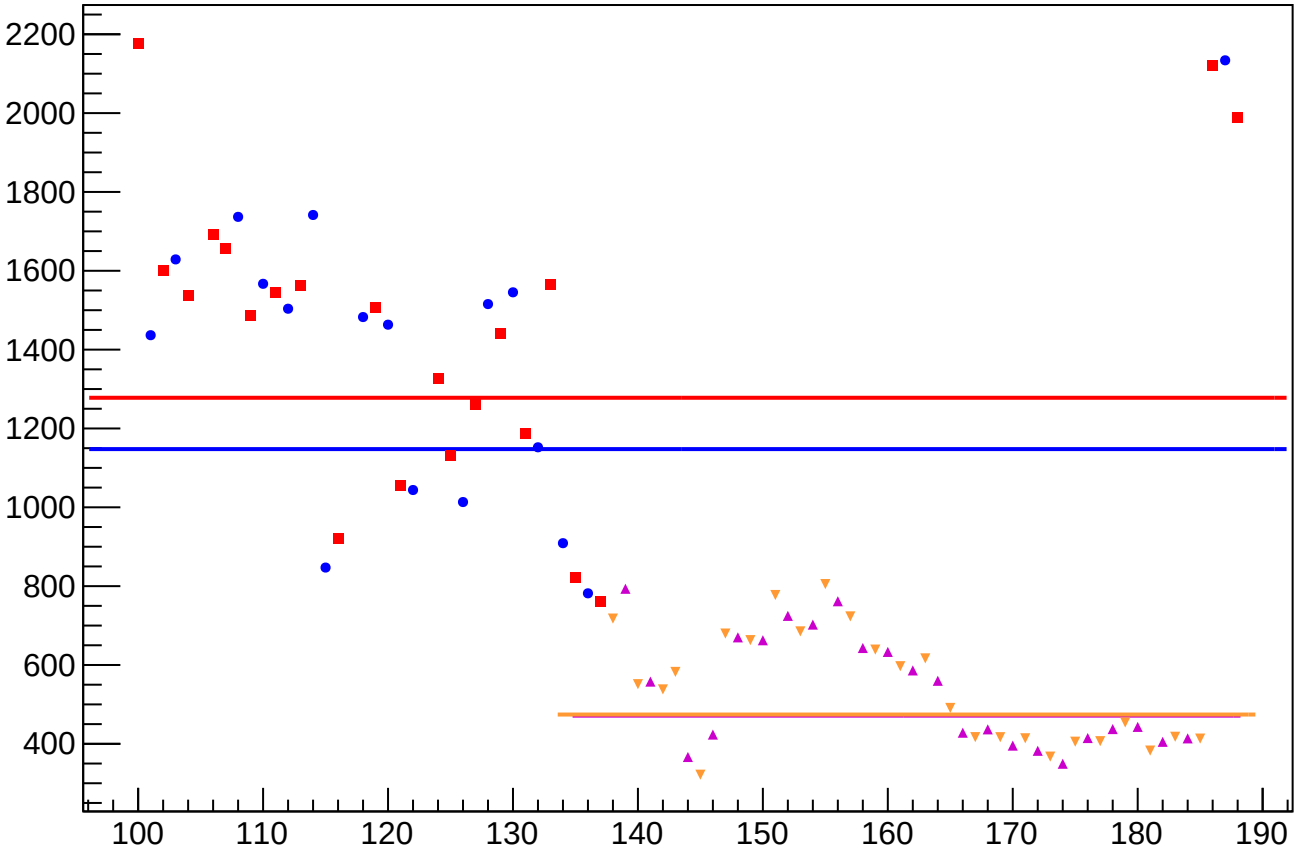
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -434.807+/-108.346 χ^2/NDF: 80.6/41

All: -267.029+/-77.423 χ^2/NDF: 132.2/85

- sign -91.960+/-110.675 χ^2/NDF: 46.8/43

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1147.662+/-0.312 χ^2/NDF: 1174614.0/16

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1277.883+/-0.316 χ^2/NDF: 1321669.0/20

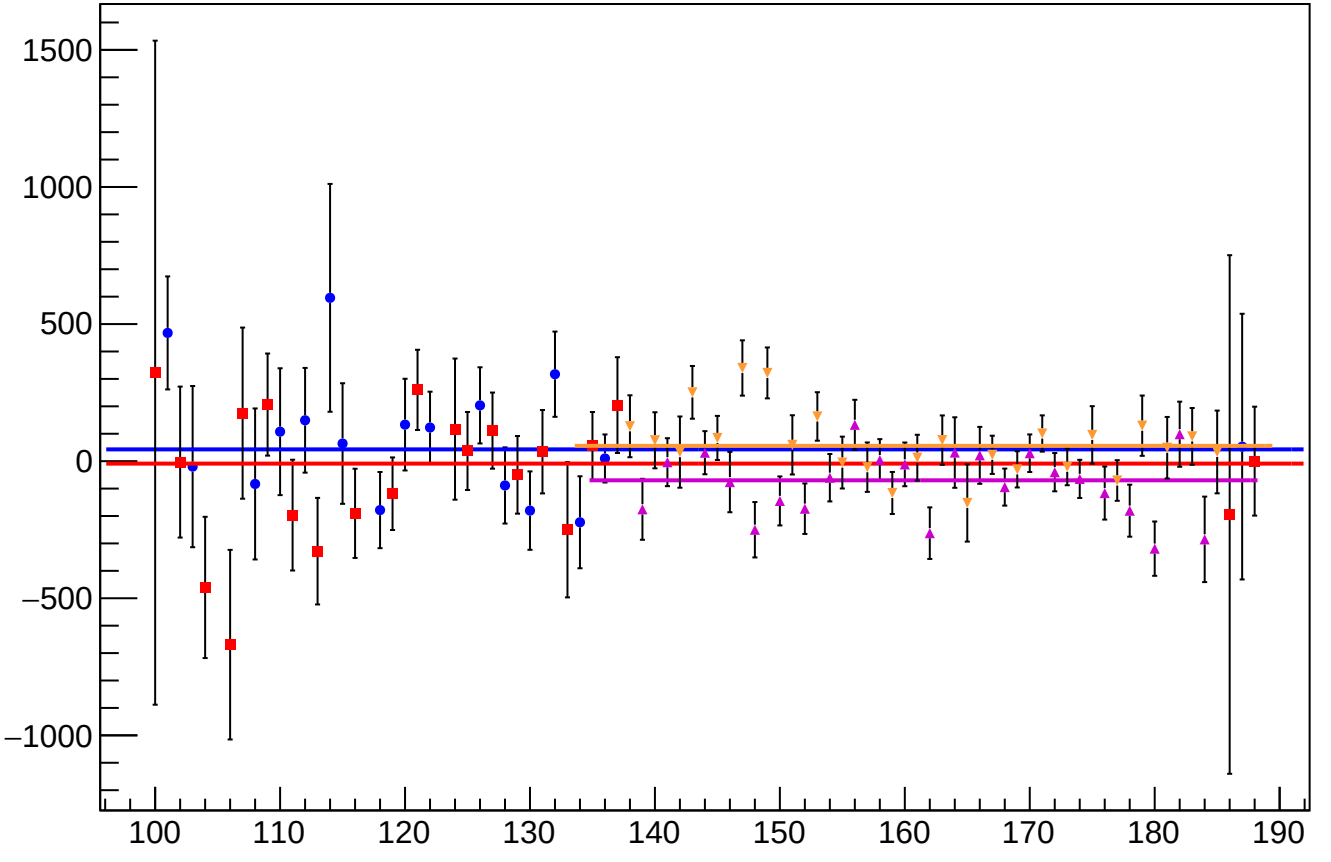
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 514.950+/-0.077 χ^2/NDF: 8096207.6/41

All: 517.801+/-0.055 χ^2/NDF: 17726987.4/85

- sign 520.776+/-0.078 χ^2/NDF: 9627949.6/43

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.983+/-39.813 χ^2/NDF: 20.3/16

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -8.949+/-40.173 χ^2/NDF: 21.4/20

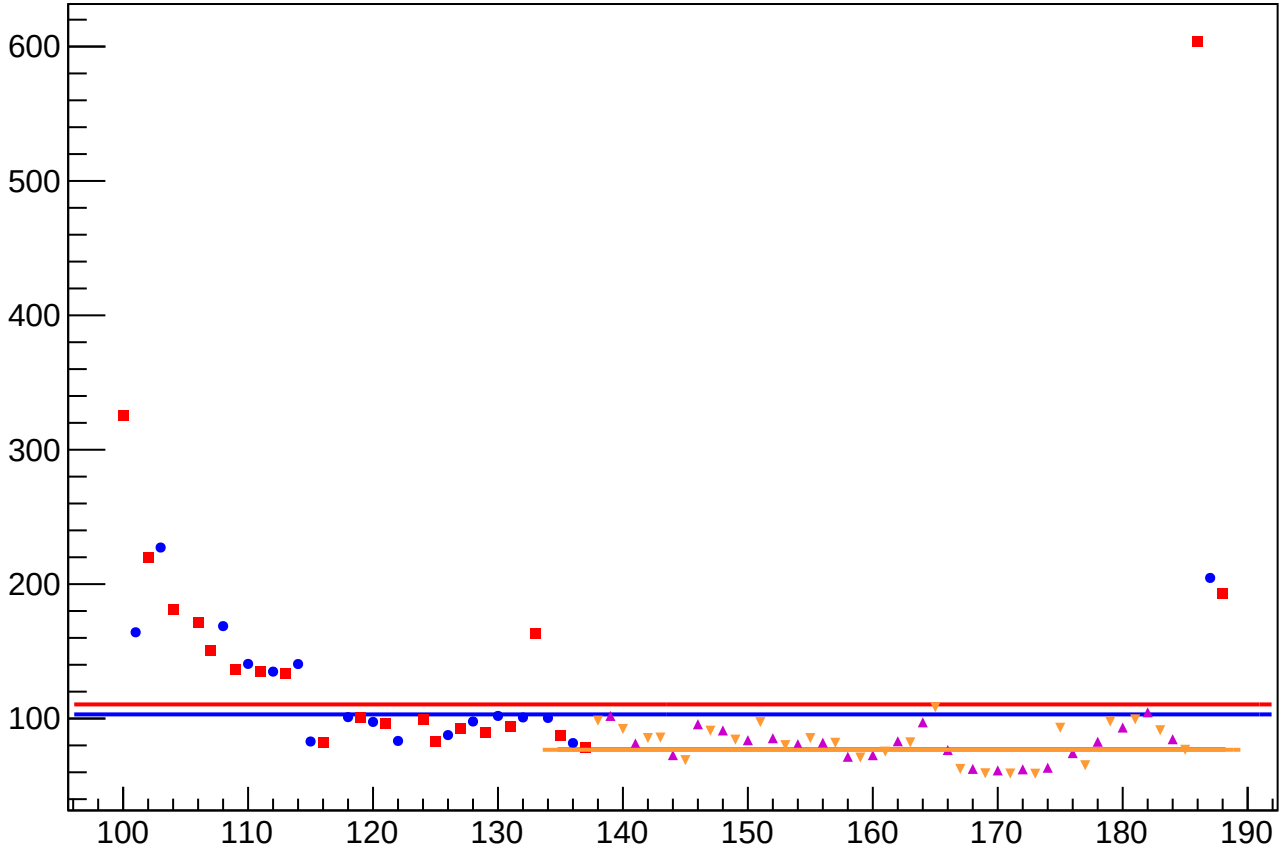
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.758+/-16.363 χ^2/NDF: 58.7/41

All: -1.225+/-11.722 χ^2/NDF: 139.7/85

- sign -59.192+/-16.801 χ^2/NDF: 57.8/43

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 103.069+/-0.028 χ^2/NDF: 1070763.2/16

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

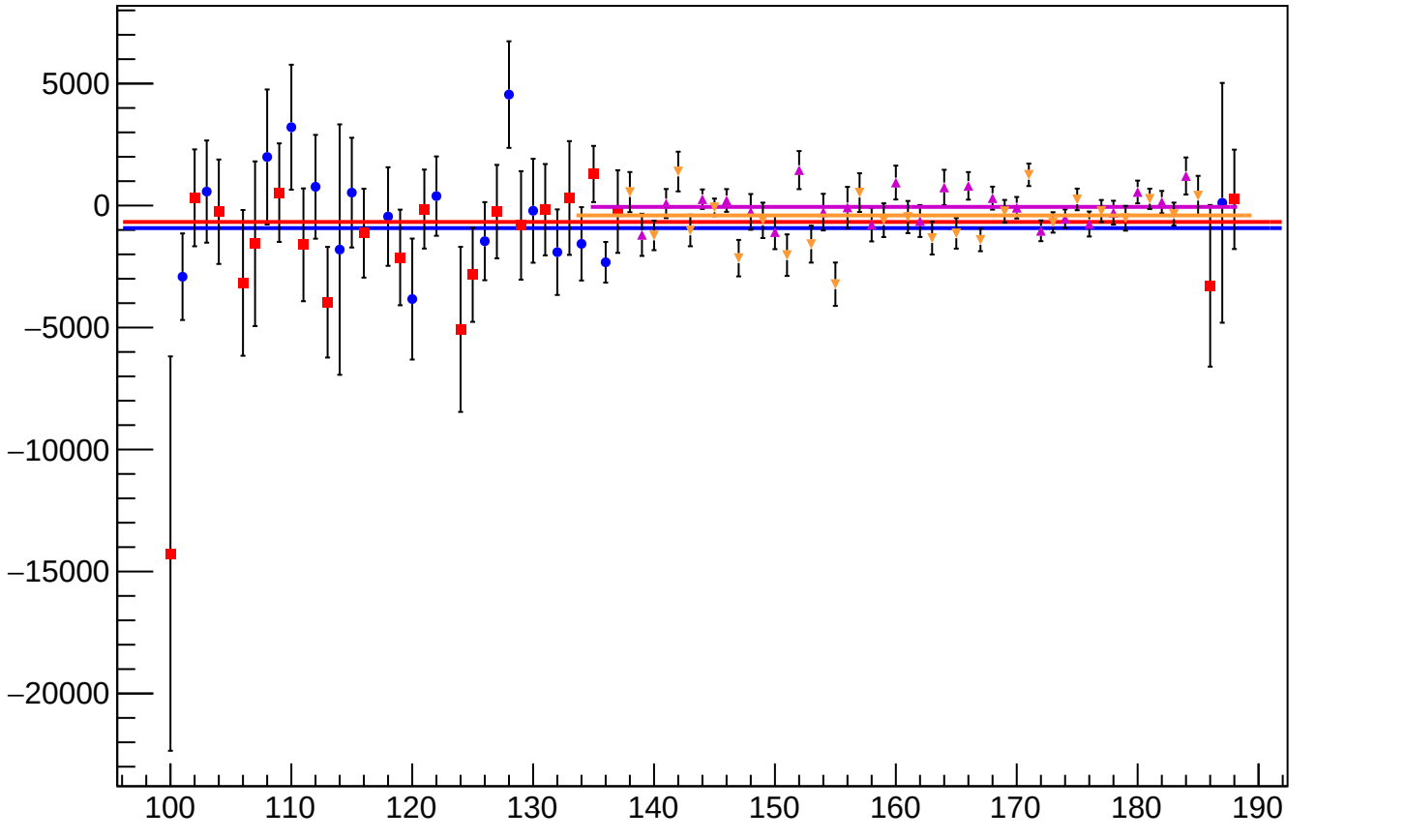
Right Out: 110.500+/-0.028 χ^2/NDF: 2106500.4/20

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 81.191+/-0.012 χ^2/NDF: 3032084.4/41

All: 82.010+/-0.008 χ^2/NDF: 7153977.4/85

- sign 82.875+/-0.012 χ^2/NDF: 4111585.6/43



Right In: -923.966+/-440.938 χ^2/NDF: 18.5/16

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -671.739+/-447.527 χ^2/NDF: 14.3/20

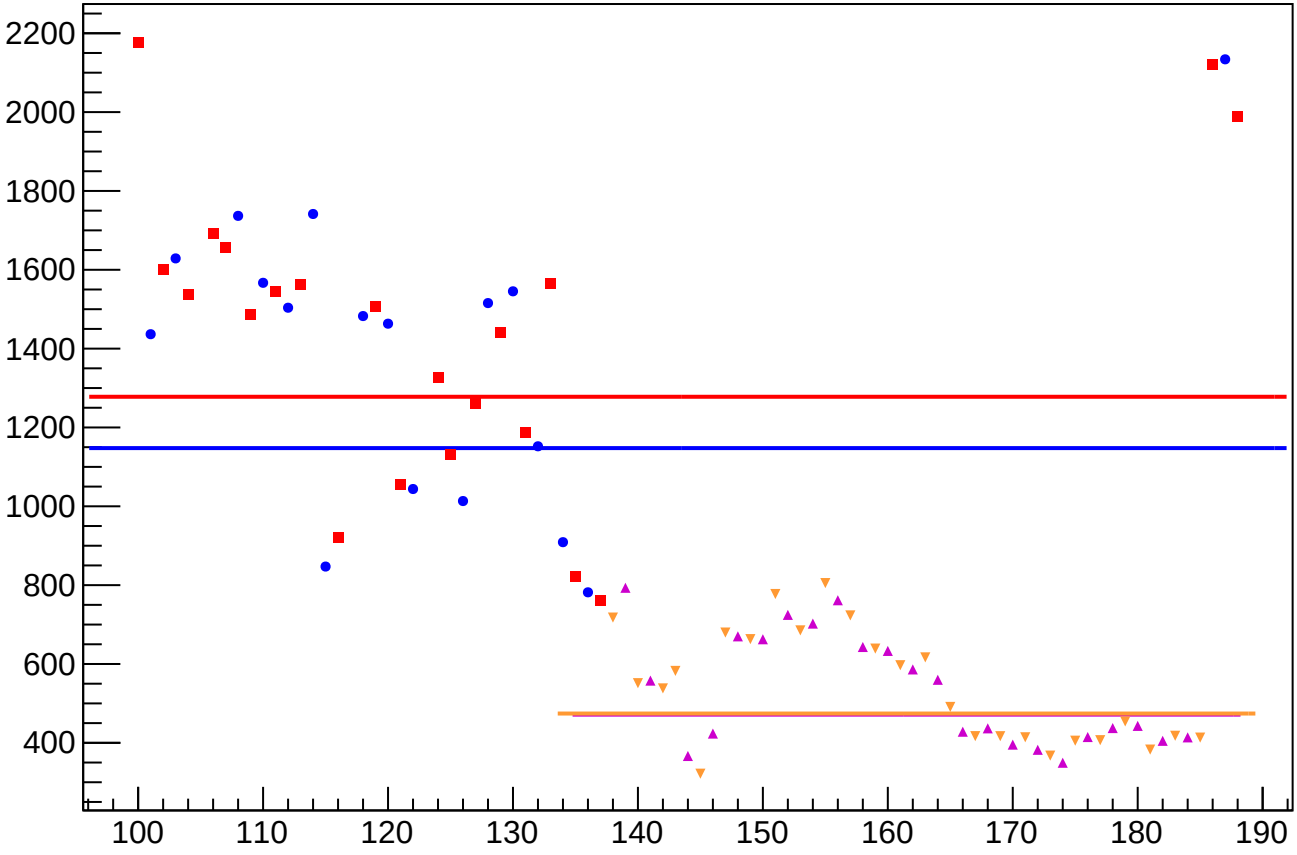
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -434.807+/-108.346 χ^2/NDF: 80.6/41

All: -267.029+/-77.423 χ^2/NDF: 132.2/85

- sign -91.961+/-110.675 χ^2/NDF: 46.8/43

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1147.661+/-0.312 χ^2/NDF: 1174600.9/16

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1277.881+/-0.316 χ^2/NDF: 1321659.4/20

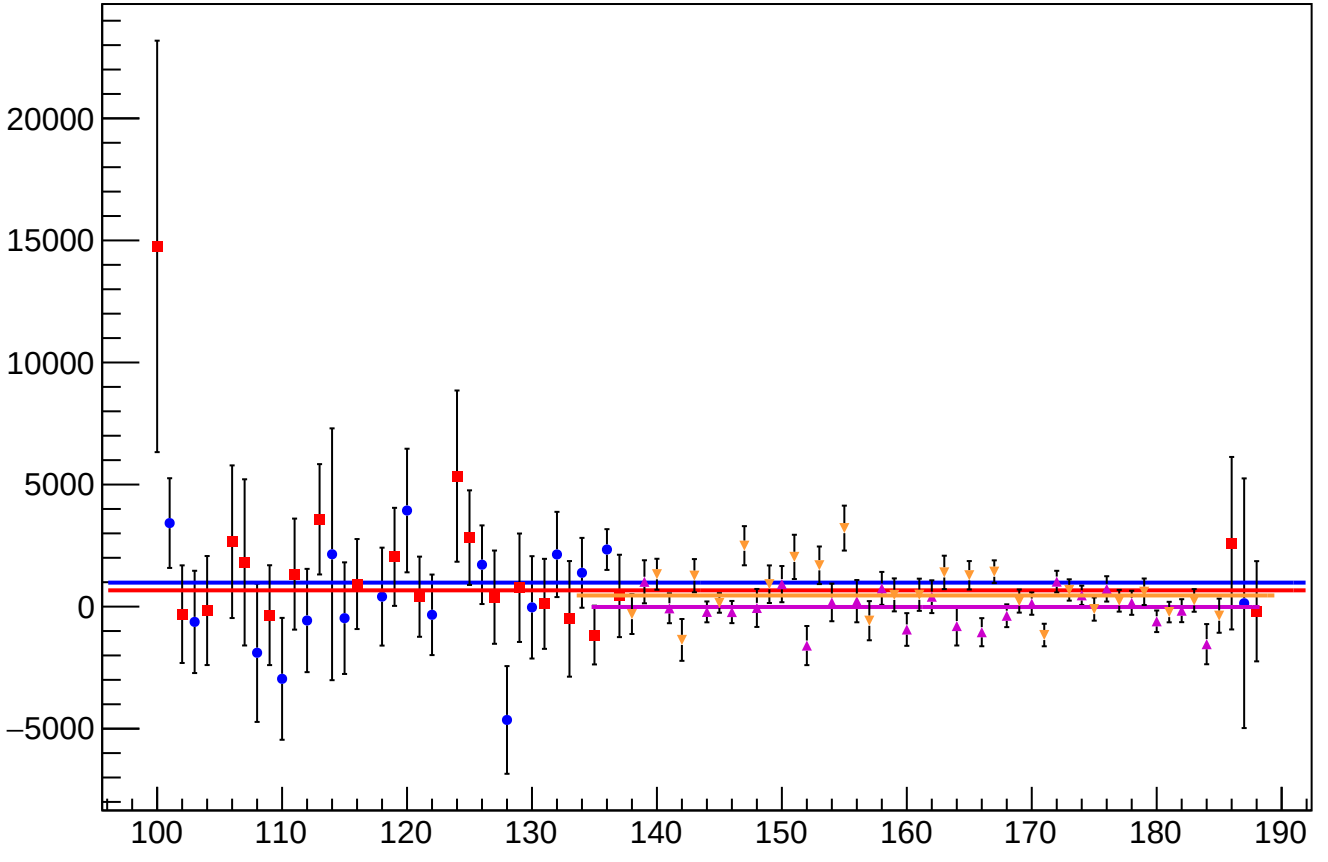
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 514.950+/-0.077 χ^2/NDF: 8096199.5/41

All: 517.801+/-0.055 χ^2/NDF: 17726960.0/85

- sign 520.776+/-0.078 χ^2/NDF: 9627930.1/43

asym_sam_3726_avg_mean vs Slug



Right In: 982.998+/-440.985 χ^2/NDF: 19.1/16

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 666.899+/-454.023 χ^2/NDF: 12.4/20

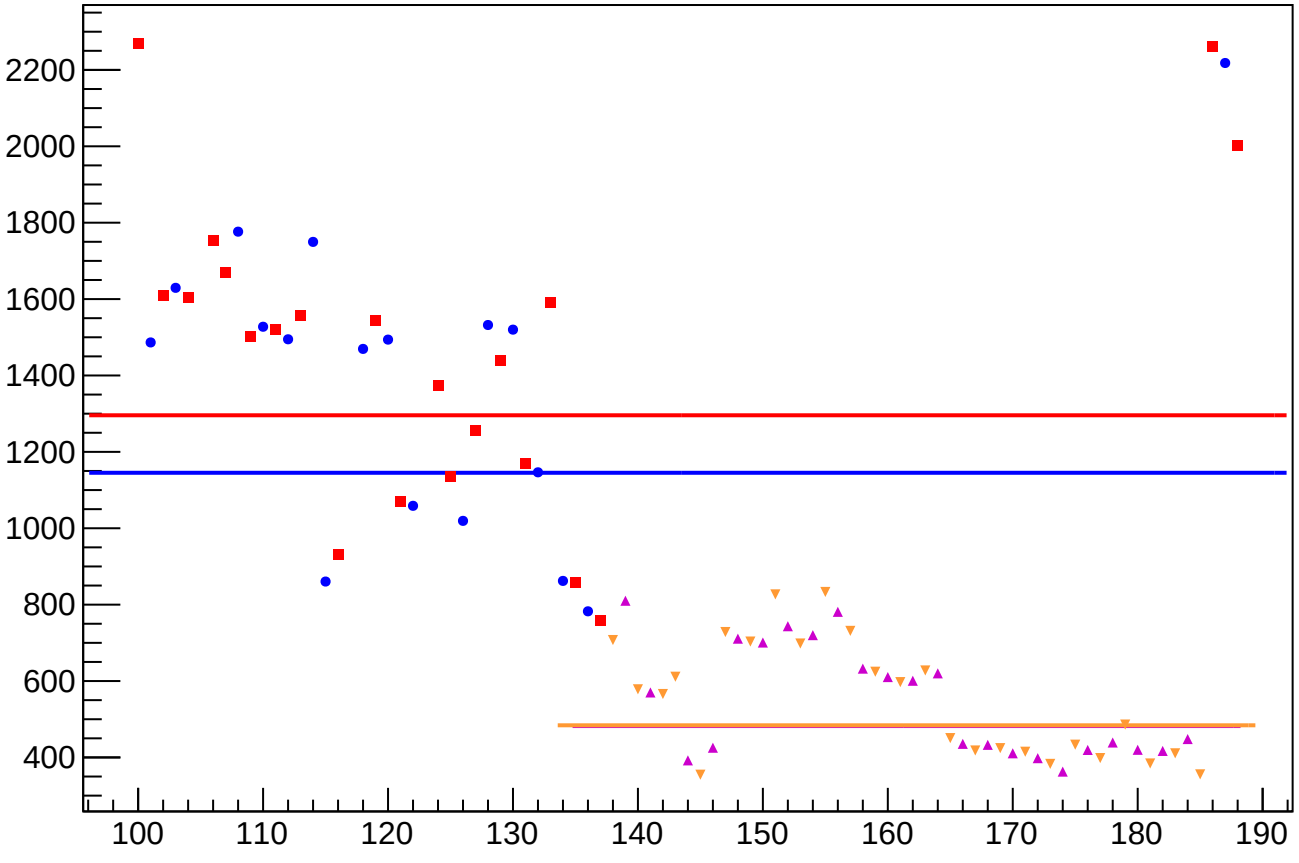
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 490.408+/-110.690 χ^2/NDF: 79.8/41

All: 263.629+/-79.083 χ^2/NDF: 133.1/85

- sign 27.176+/-113.027 χ^2/NDF: 44.8/43

asym_sam_3726_avg_rms vs Slug



Right In: 1145.258+/-0.312 χ^2/NDF: 1212382.3/16

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

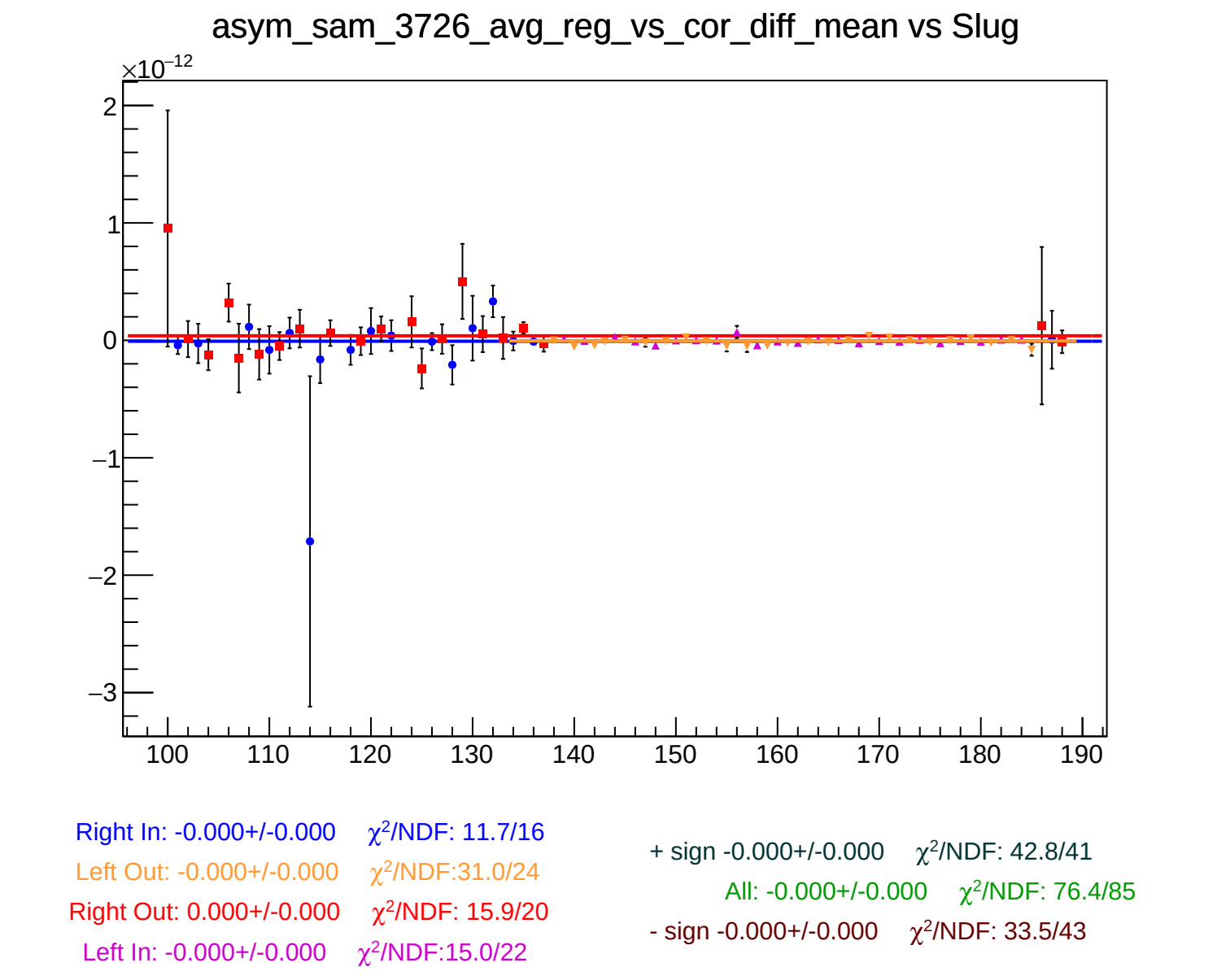
Right Out: 1295.802+/-0.321 χ^2/NDF: 1312873.2/20

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 525.782+/-0.078 χ^2/NDF: 7972909.9/41

All: 529.112+/-0.056 χ^2/NDF: 17501164.5/85

- sign 532.584+/-0.080 χ^2/NDF: 9524557.4/43


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
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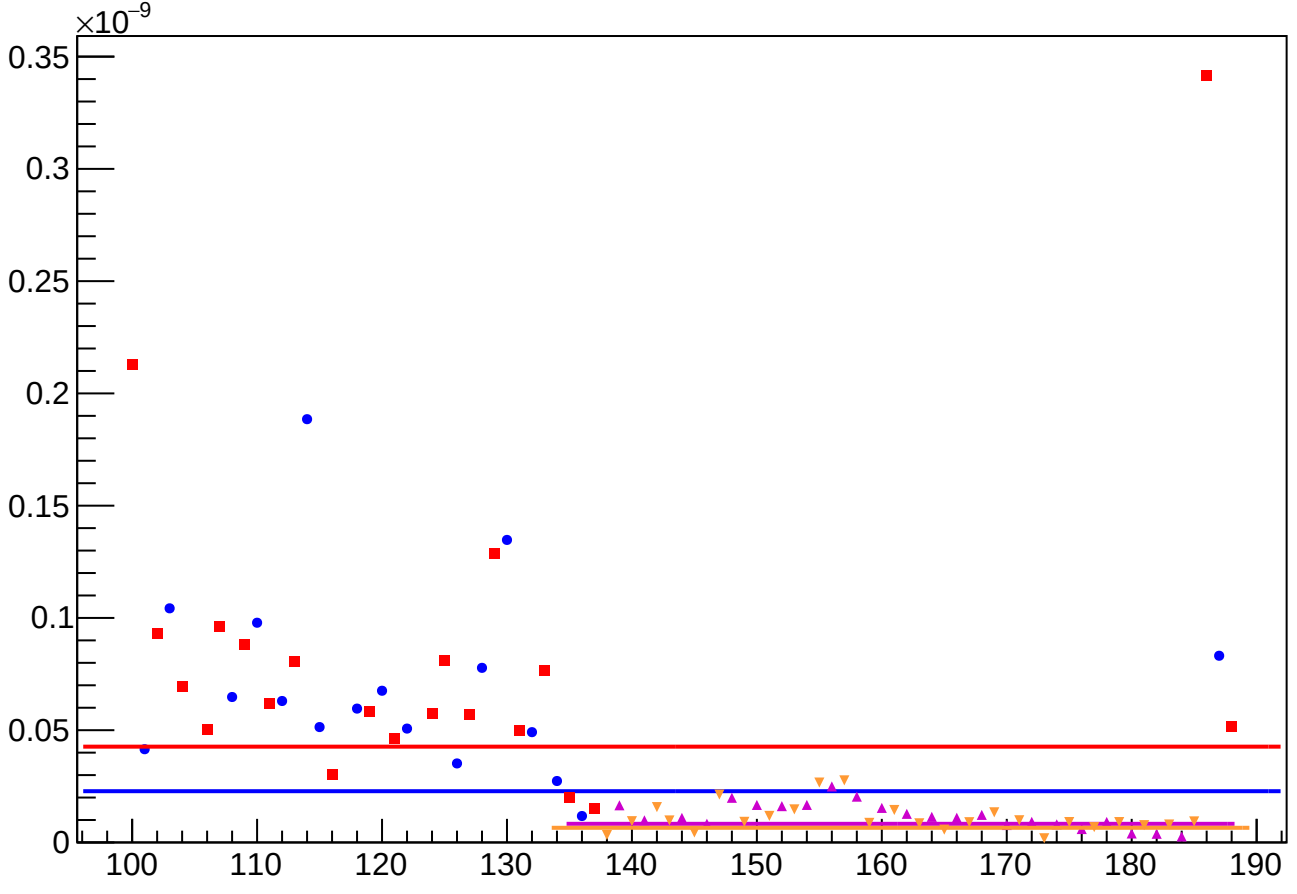
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.7/16
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/20
Left In: -0.000+/-0.000 χ²/NDF:15.0/22
+ sign -0.000+/-0.000 χ²/NDF: 42.8/41
All: -0.000+/-0.000 χ²/NDF: 76.4/85
- sign -0.000+/-0.000 χ²/NDF: 33.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 2972875.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2266912.4/20

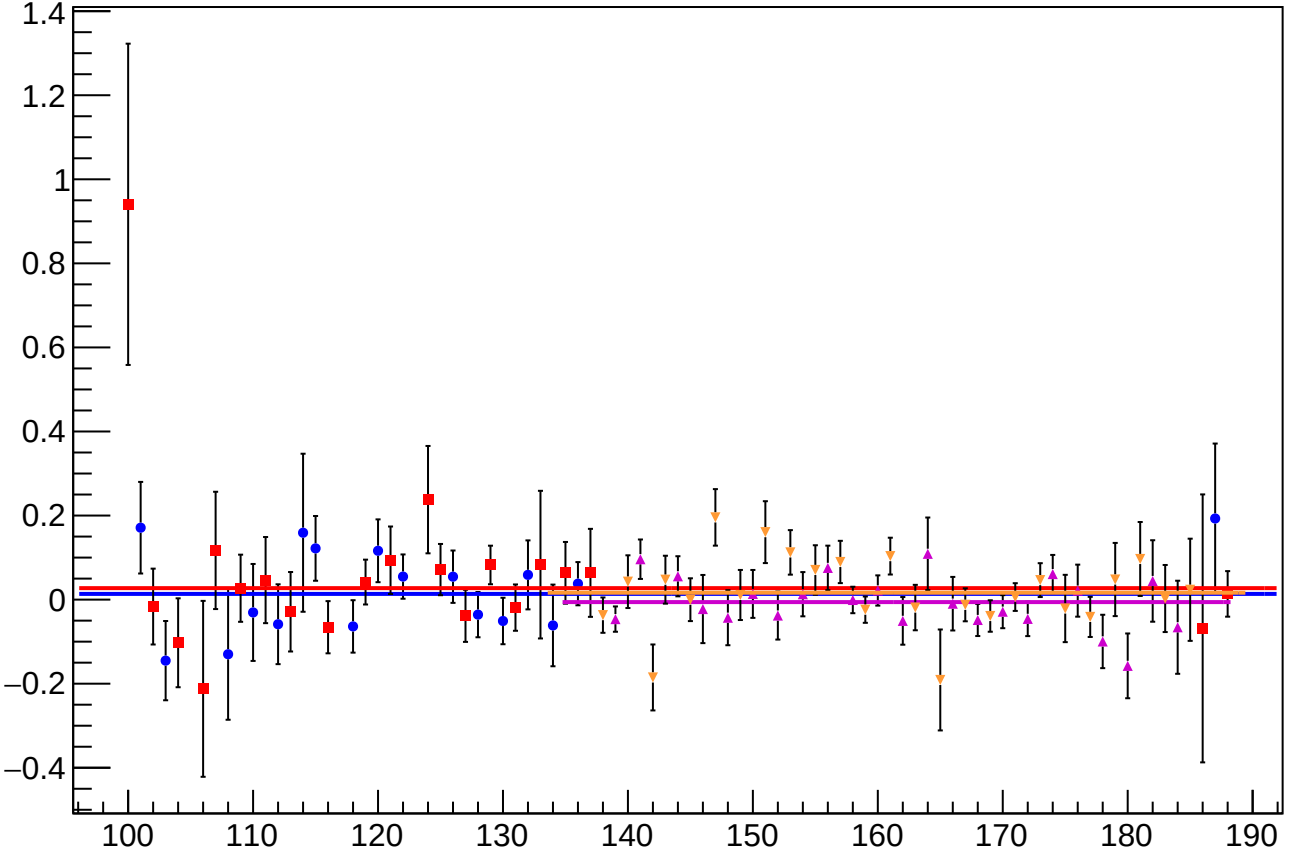
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8426916.2/41

All: 0.000+/-0.000 χ^2/NDF: 17226267.6/85

- sign 0.000+/-0.000 χ^2/NDF: 8476971.2/43

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.027+/-0.017 χ^2/NDF: 19.7/20

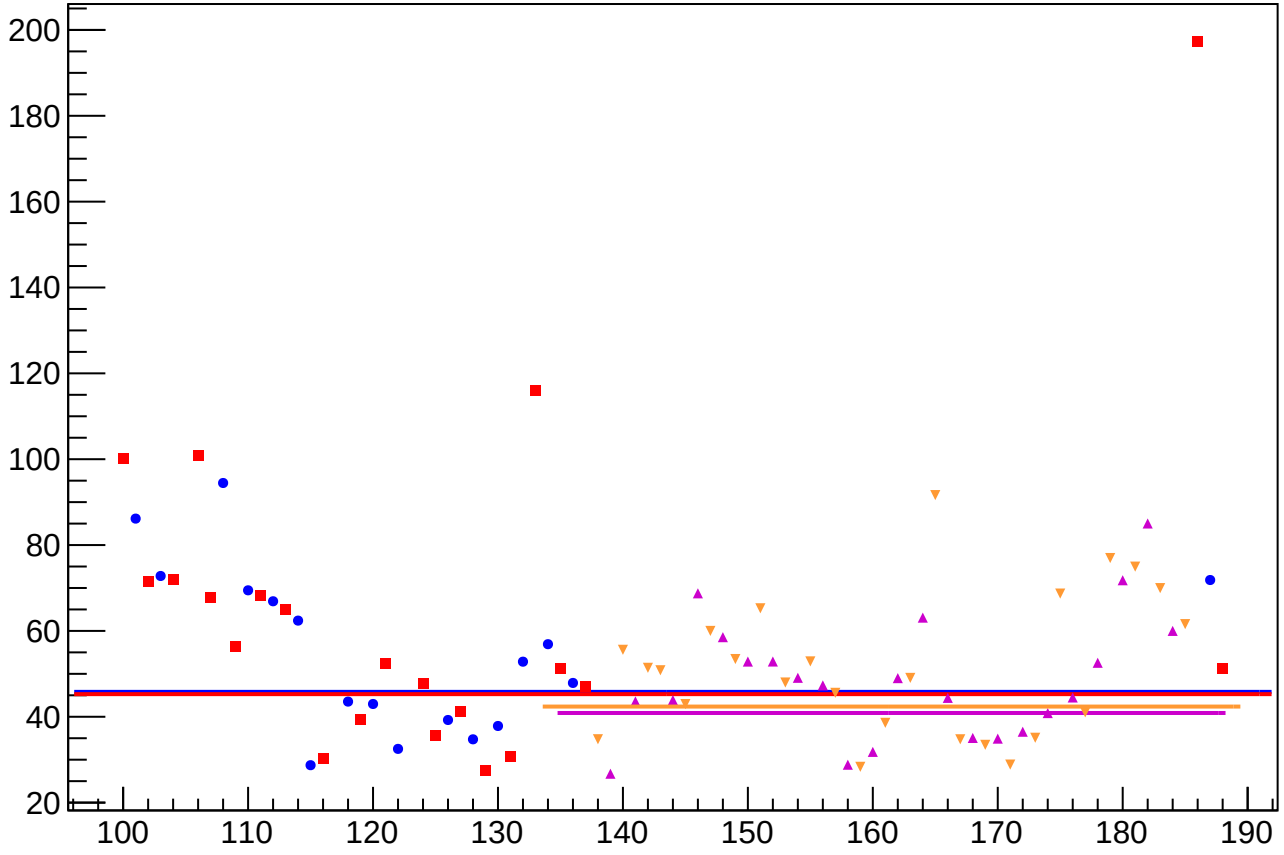
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 59.0/41

All: 0.009+/-0.006 χ^2/NDF: 108.5/85

- sign 0.003+/-0.009 χ^2/NDF: 48.5/43

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.800+/-0.013 χ^2/NDF: 1297129.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

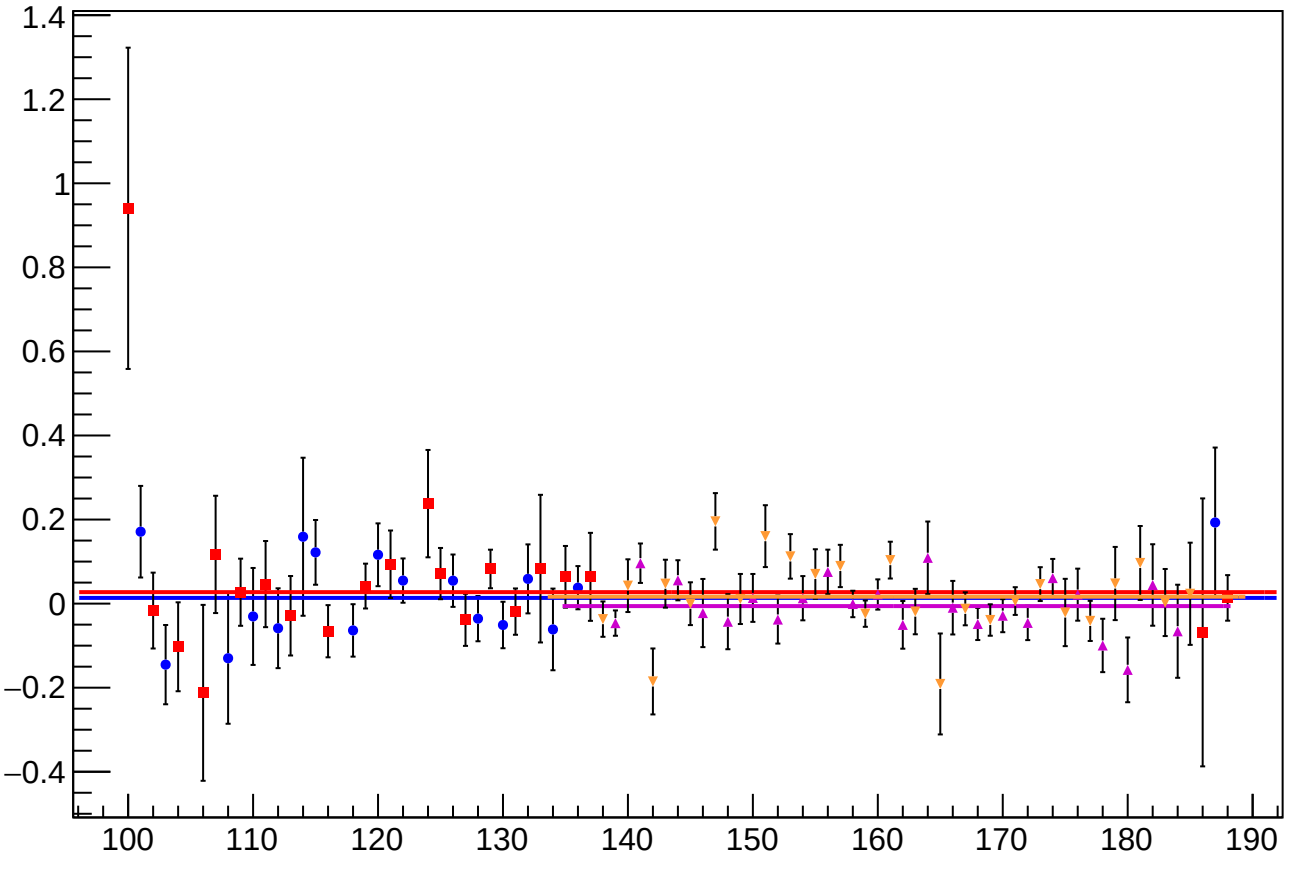
Right Out: 45.269+/-0.012 χ^2/NDF: 2230445.9/20

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.210+/-0.006 χ^2/NDF: 4541523.5/41

All: 42.622+/-0.004 χ^2/NDF: 9564938.8/85

- sign 42.060+/-0.006 χ^2/NDF: 5006713.2/43



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

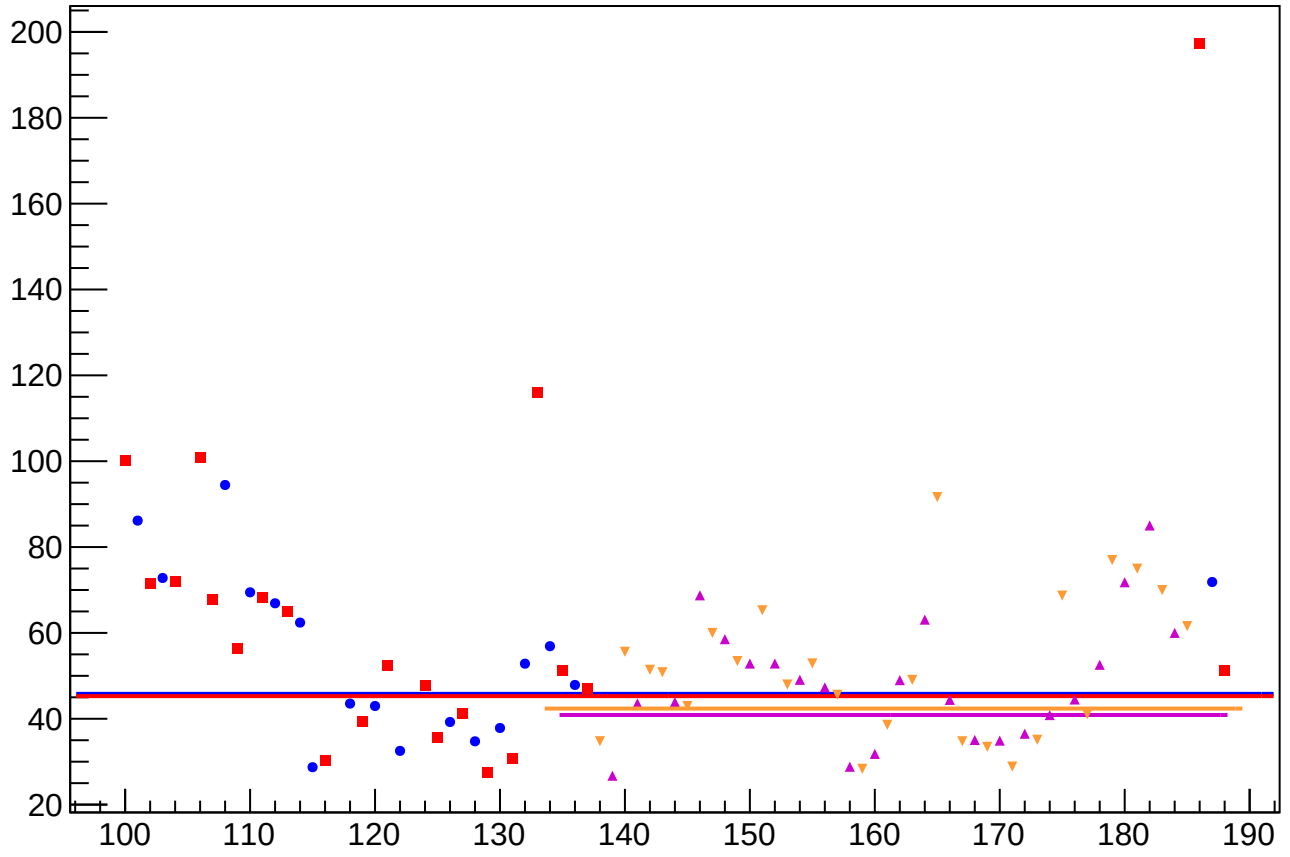
Right Out: 0.027+/-0.017 χ^2/NDF: 19.7/20

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 59.0/41

All: 0.009+/-0.006 χ^2/NDF: 108.5/85

- sign 0.003+/-0.009 χ^2/NDF: 48.5/43



Right In: 45.800+/-0.013 χ^2/NDF: 1297129.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

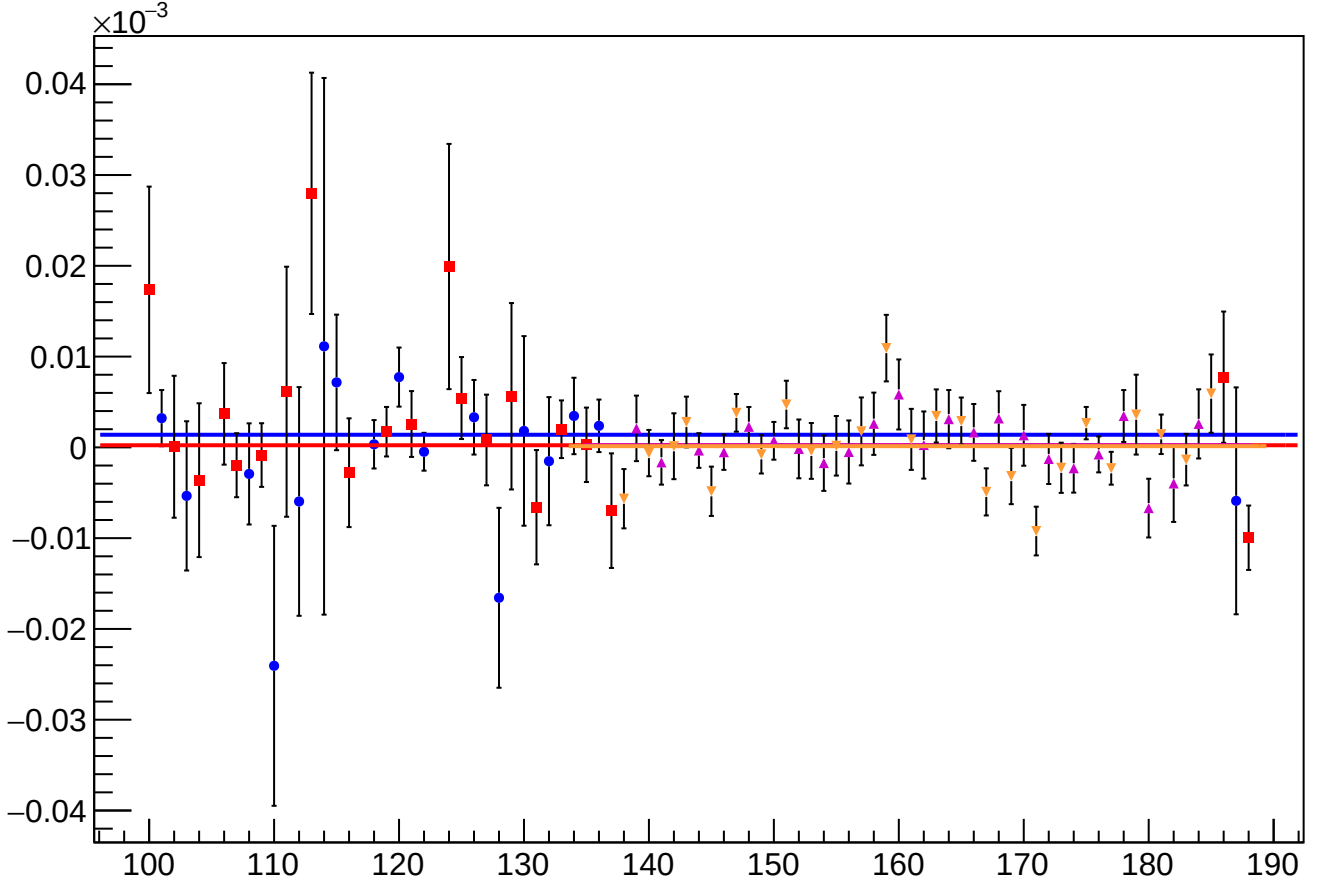
Right Out: 45.269+/-0.012 χ^2/NDF: 2230445.9/20

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.210+/-0.006 χ^2/NDF: 4541523.5/41

All: 42.622+/-0.004 χ^2/NDF: 9564938.8/85

- sign 42.060+/-0.006 χ^2/NDF: 5006713.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/20

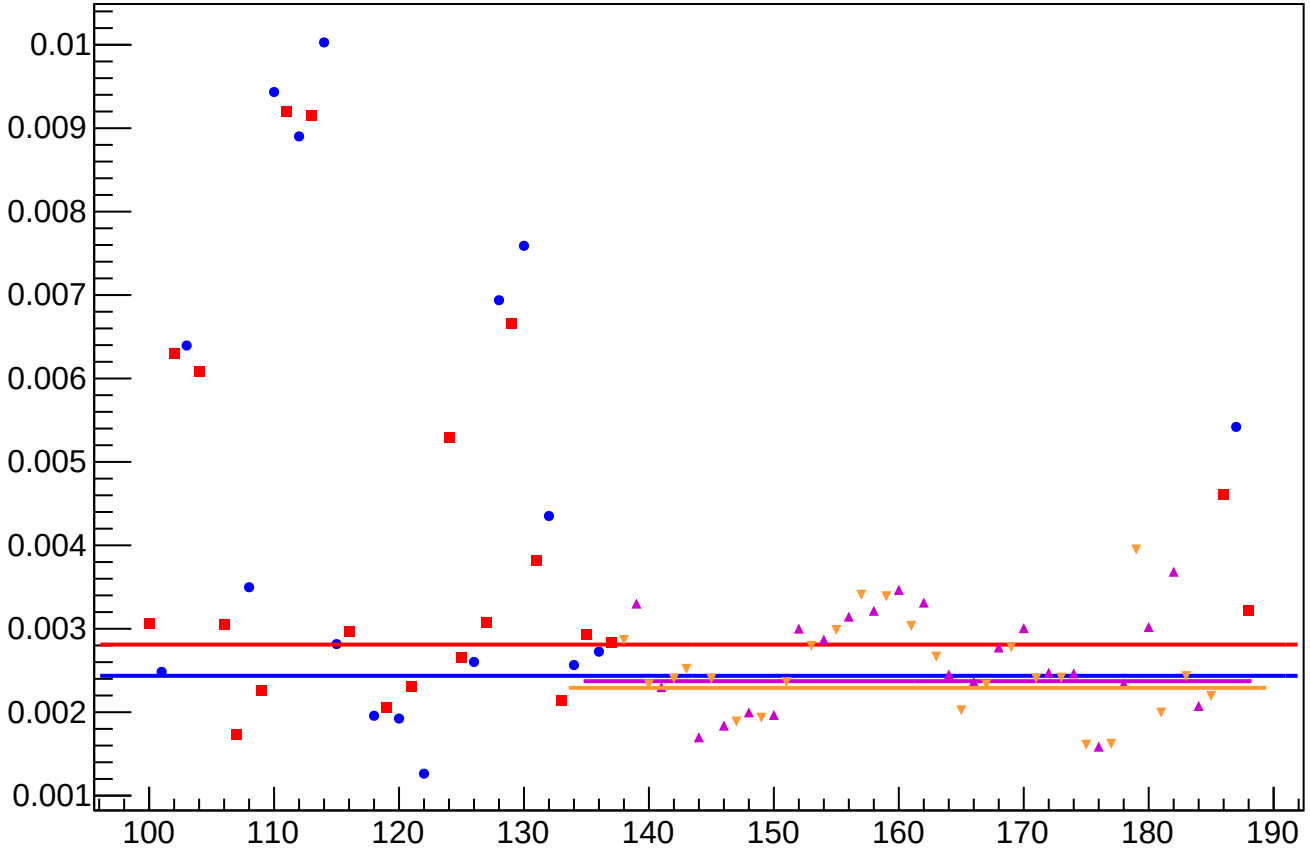
Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.6/41

All: 0.000+/-0.000 χ^2/NDF: 106.2/85

- sign 0.000+/-0.000 χ^2/NDF: 40.5/43

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3546875.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

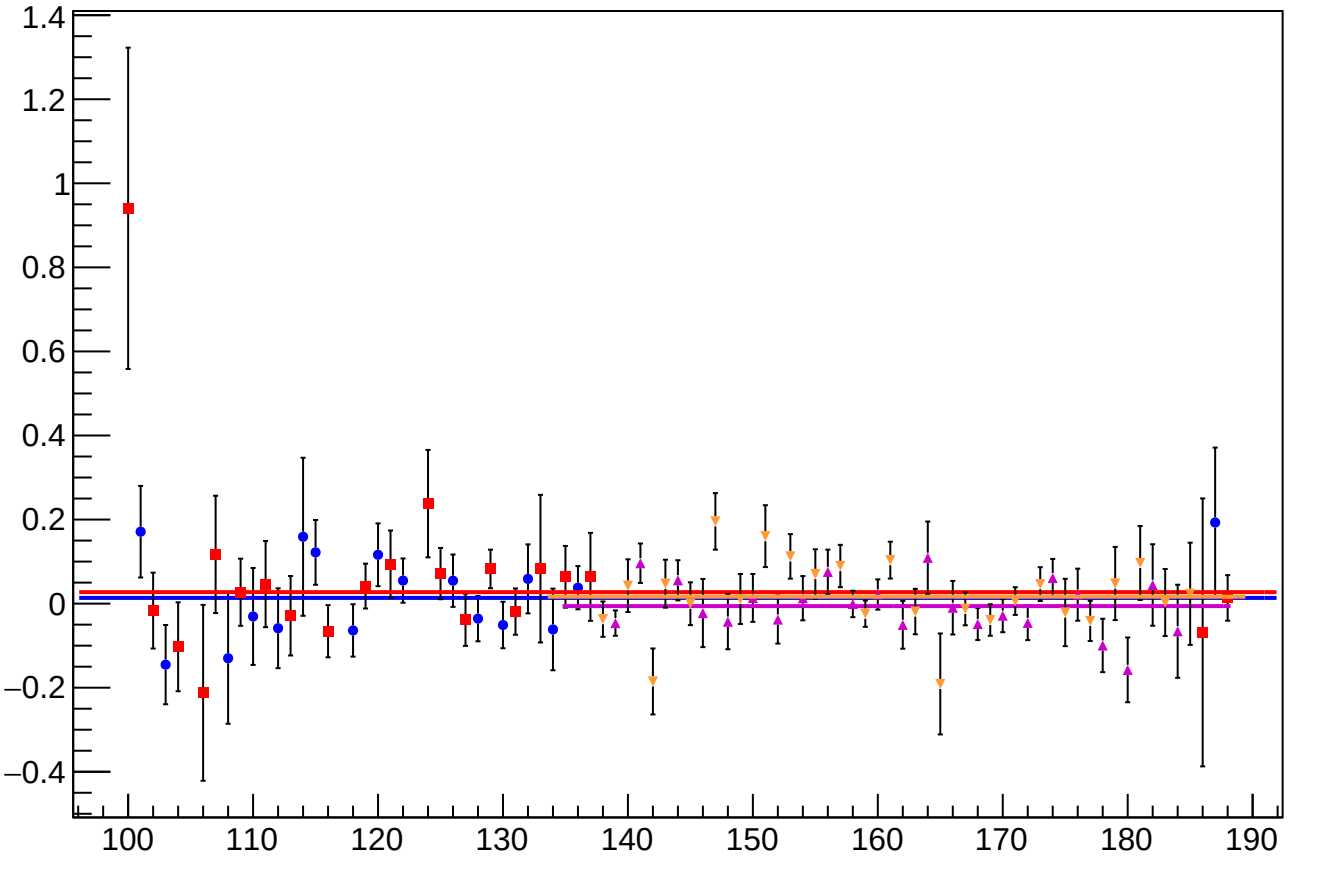
Right Out: 0.003+/-0.000 χ^2/NDF: 2666458.6/20

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5396358.4/41

All: 0.002+/-0.000 χ^2/NDF: 10441121.2/85

- sign 0.002+/-0.000 χ^2/NDF: 4951436.4/43



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

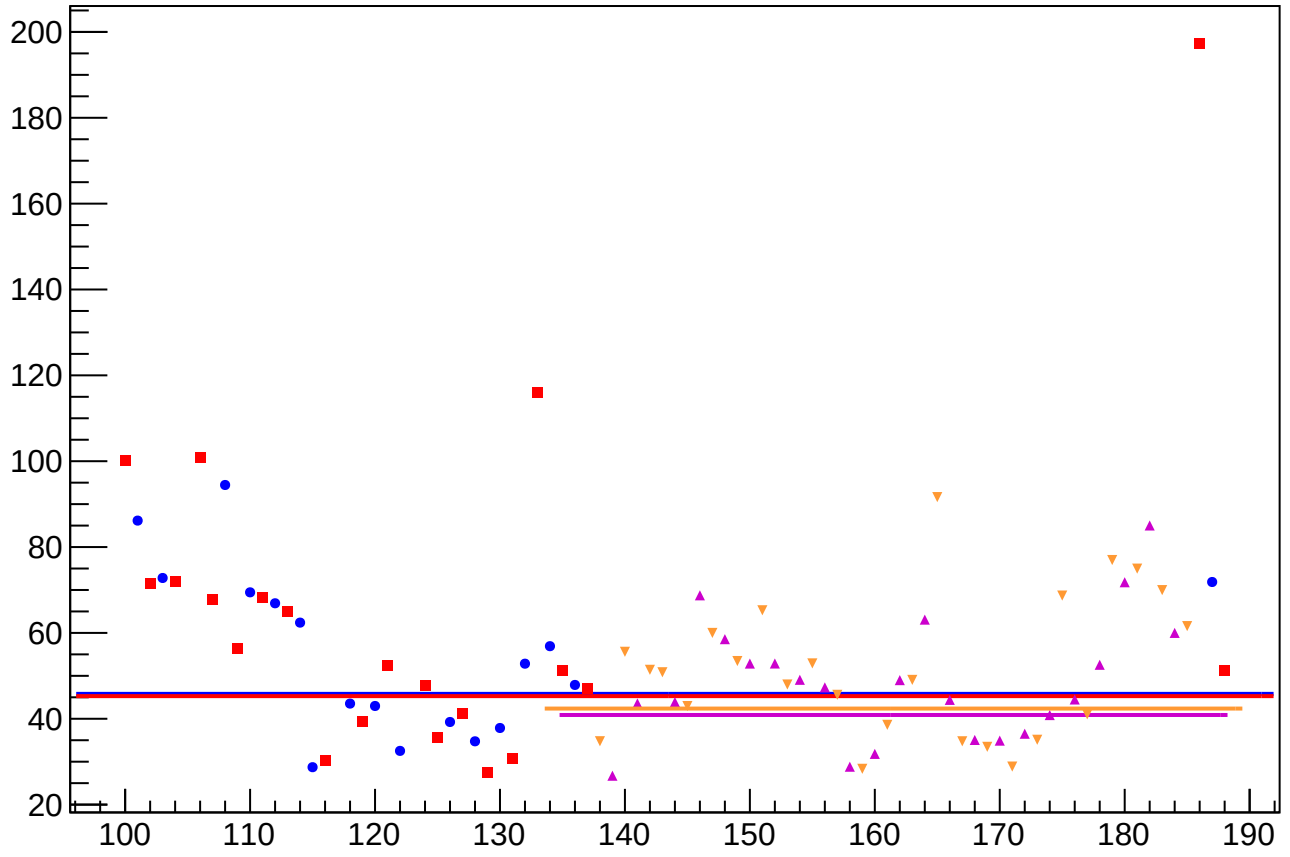
Right Out: 0.027+/-0.017 χ^2/NDF: 19.7/20

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 59.0/41

All: 0.009+/-0.006 χ^2/NDF: 108.5/85

- sign 0.003+/-0.009 χ^2/NDF: 48.5/43



Right In: 45.800+/-0.013 χ^2/NDF: 1297093.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

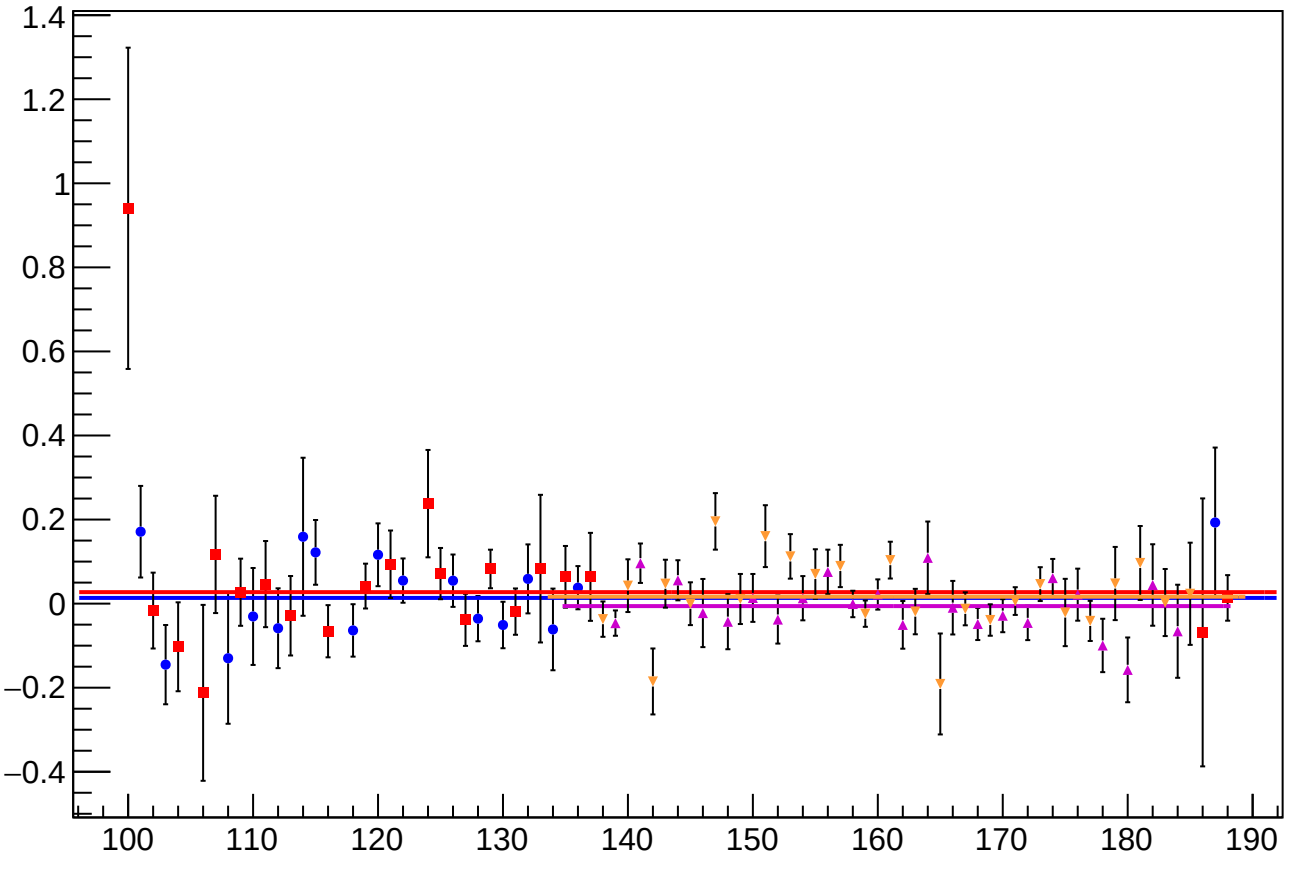
Right Out: 45.270+/-0.012 χ^2/NDF: 2230366.1/20

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.210+/-0.006 χ^2/NDF: 4541506.3/41

All: 42.622+/-0.004 χ^2/NDF: 9564856.6/85

- sign 42.061+/-0.006 χ^2/NDF: 5006652.2/43



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

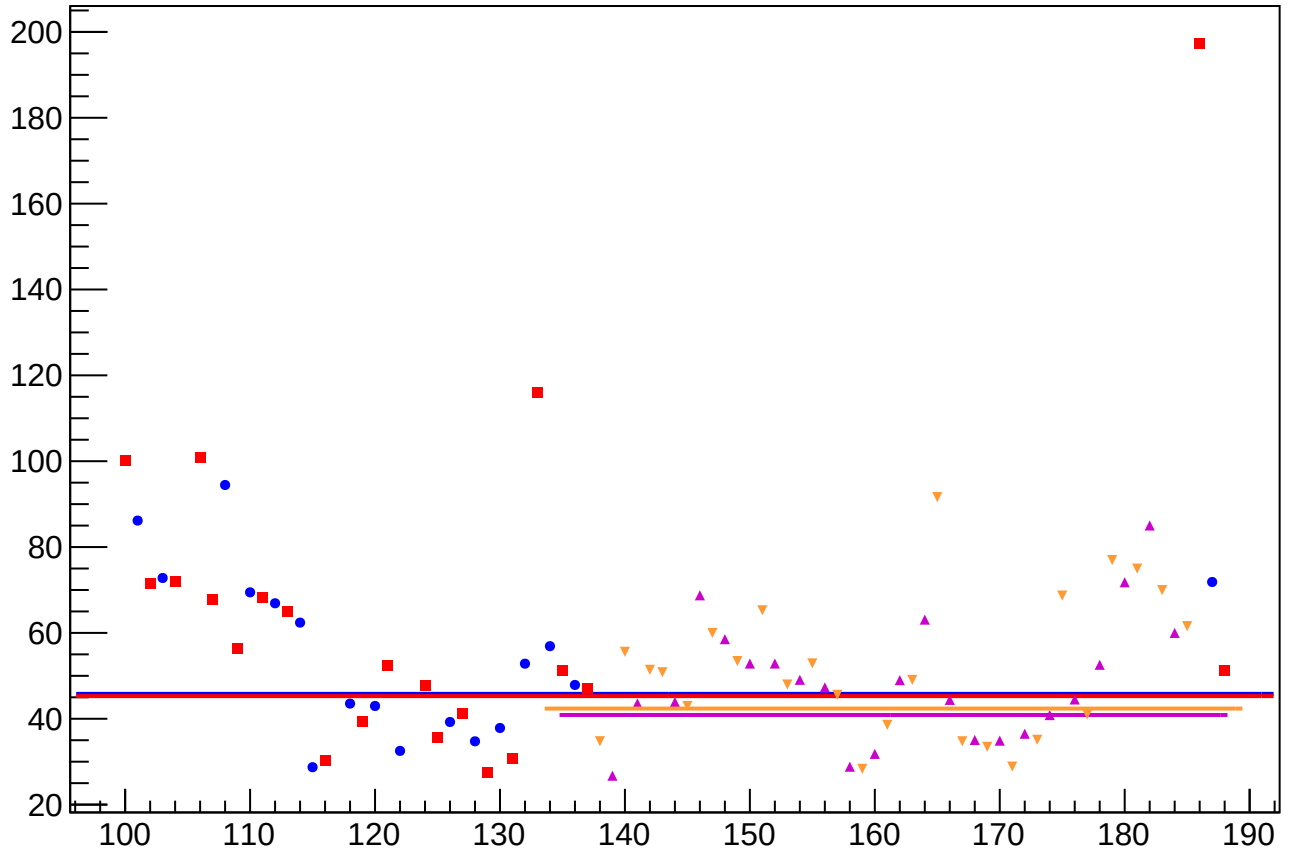
Right Out: 0.027+/-0.017 χ^2/NDF: 19.7/20

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 59.0/41

All: 0.009+/-0.006 χ^2/NDF: 108.5/85

- sign 0.003+/-0.009 χ^2/NDF: 48.5/43



Right In: 45.800+/-0.013 χ^2/NDF: 1297093.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

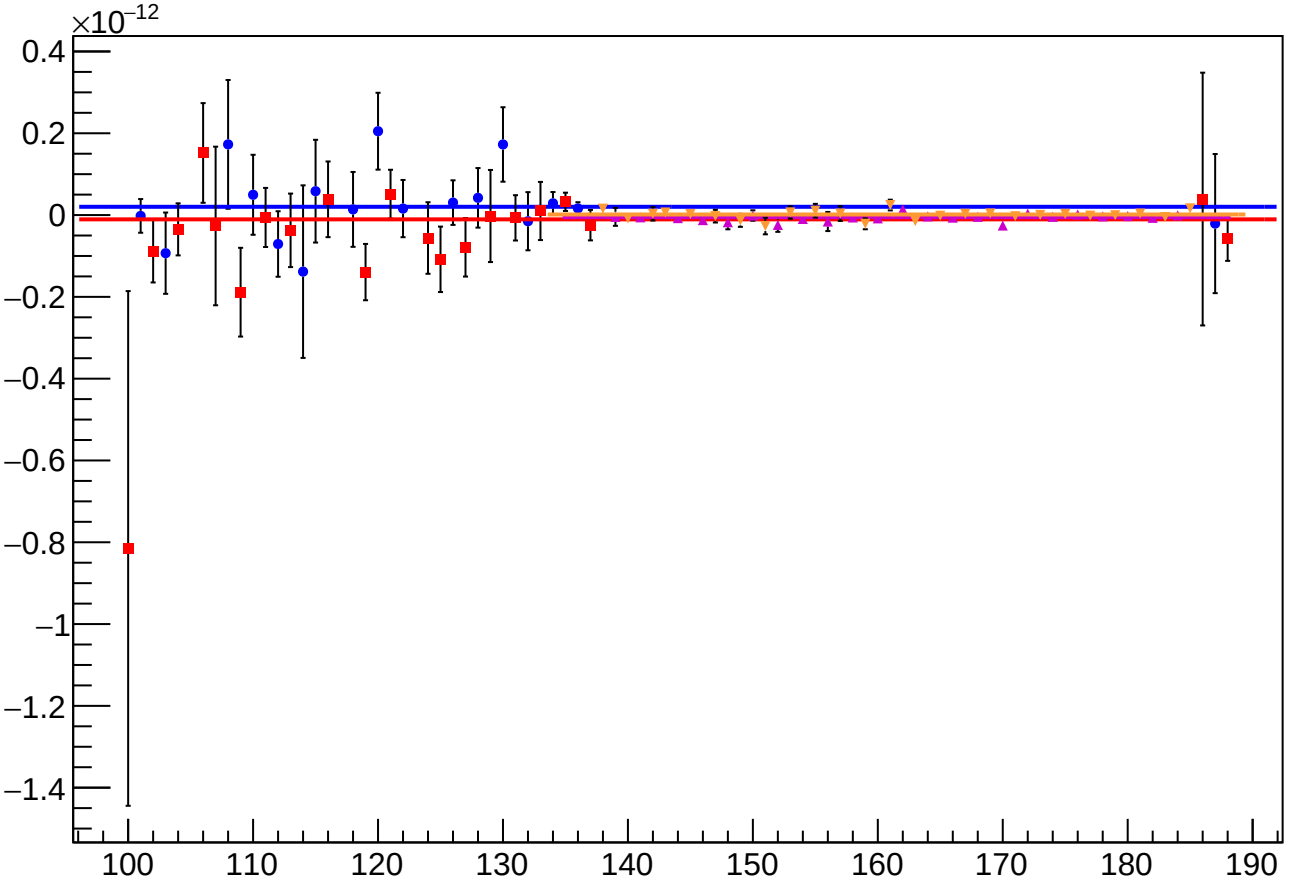
Right Out: 45.270+/-0.012 χ^2/NDF: 2230366.1/20

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.210+/-0.006 χ^2/NDF: 4541506.3/41

All: 42.622+/-0.004 χ^2/NDF: 9564856.6/85

- sign 42.061+/-0.006 χ^2/NDF: 5006652.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

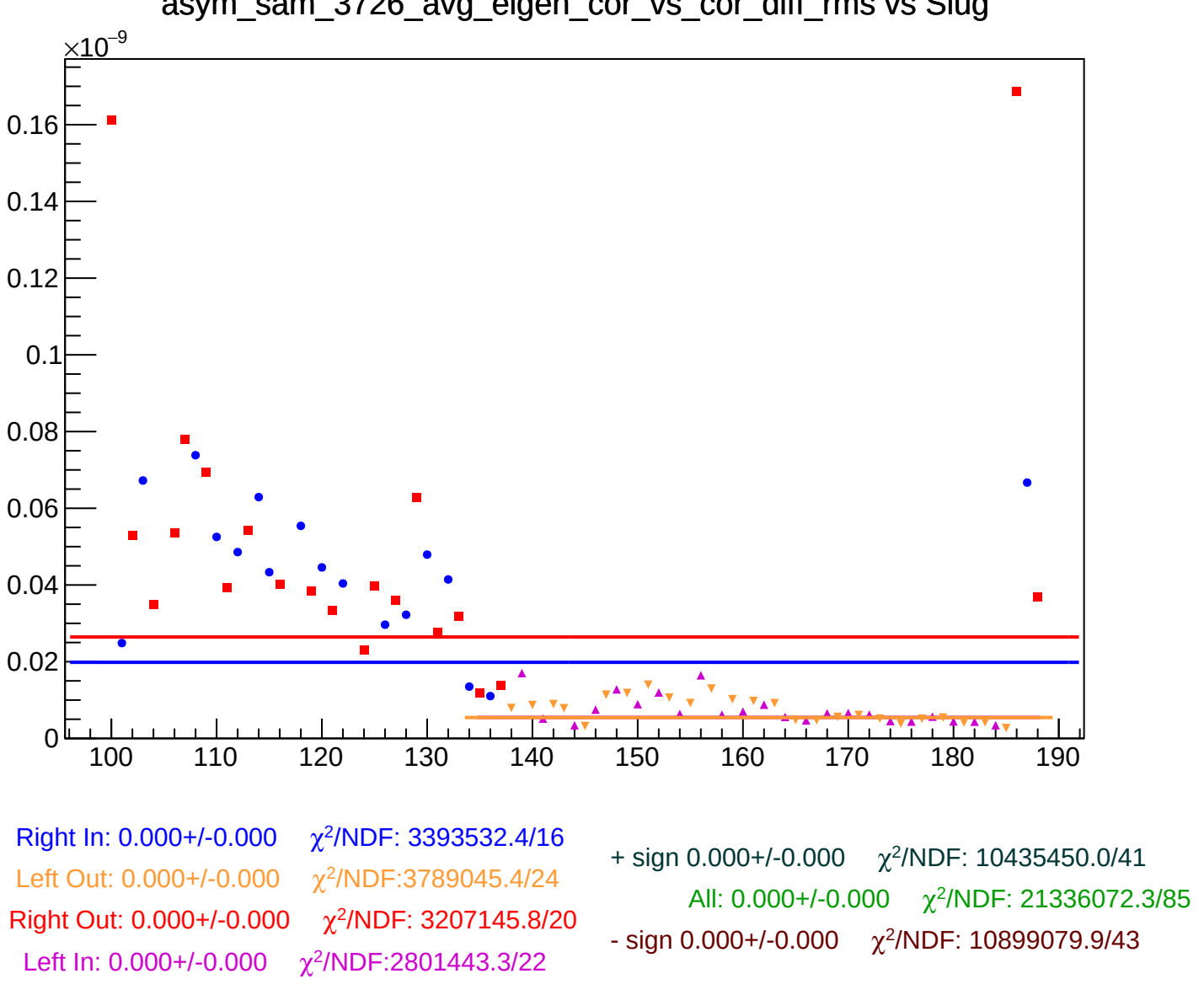
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/20

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

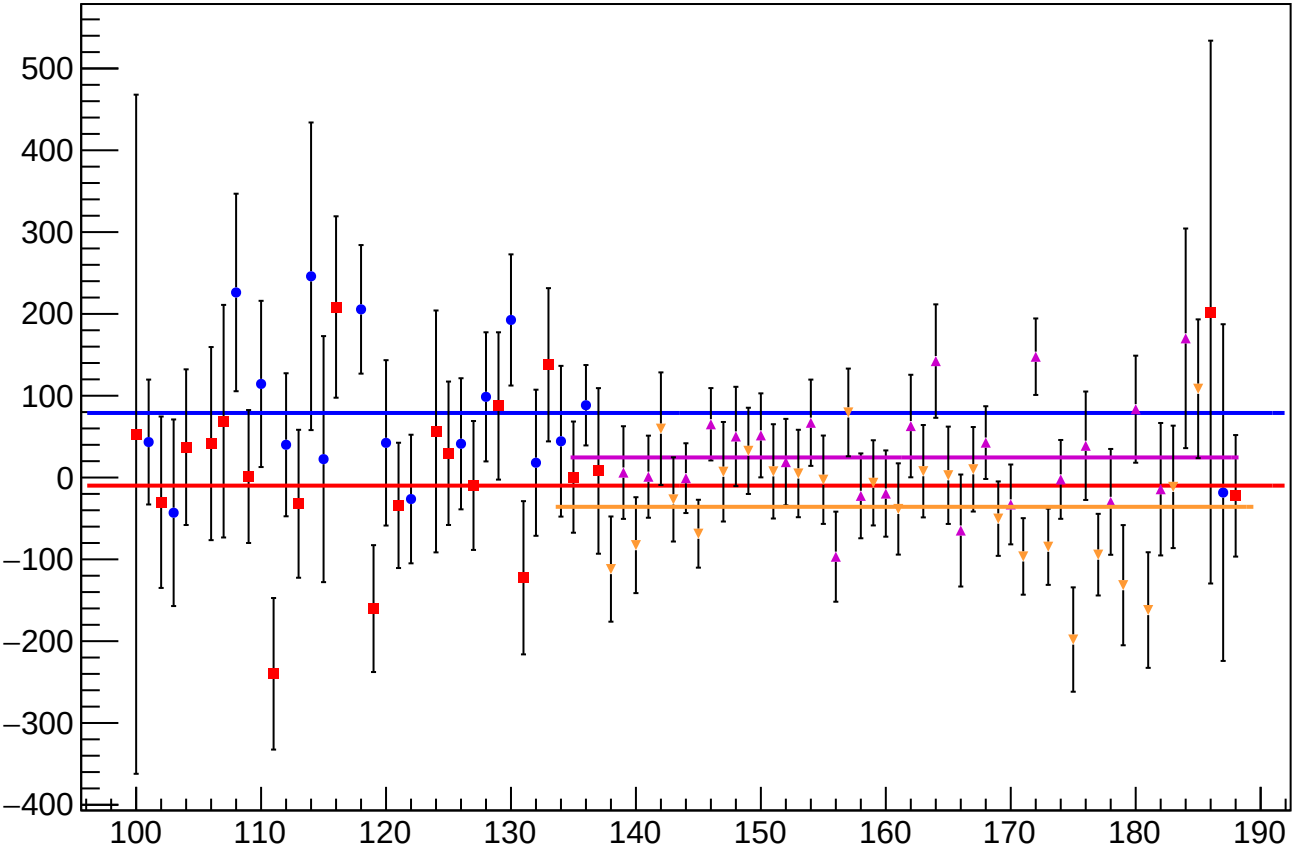
+ sign 0.000+/-0.000 χ^2/NDF: 34.3/41

All: -0.000+/-0.000 χ^2/NDF: 75.4/85

- sign -0.000+/-0.000 χ^2/NDF: 32.9/43


asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3393532.4/16
Left Out: 0.000+/-0.000 χ²/NDF:3789045.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3207145.8/20
Left In: 0.000+/-0.000 χ²/NDF:2801443.3/22
+ sign 0.000+/-0.000 χ²/NDF: 10435450.0/41
All: 0.000+/-0.000 χ²/NDF: 21336072.3/85
- sign 0.000+/-0.000 χ²/NDF: 10899079.9/43

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 78.933+/-21.358 χ^2/NDF: 11.8/16

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -9.885+/-20.716 χ^2/NDF: 20.8/20

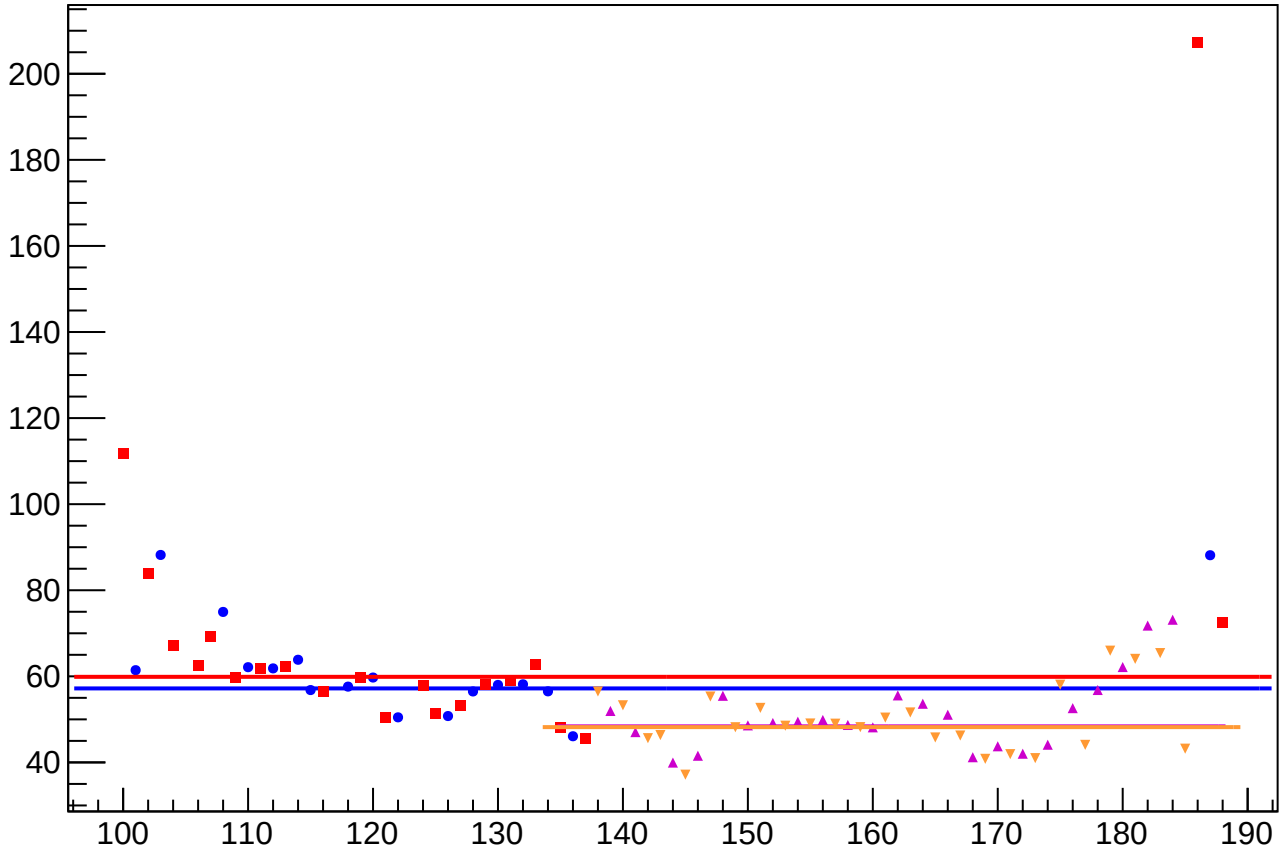
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -11.324+/-9.863 χ^2/NDF: 68.2/41

All: 2.340+/-7.034 χ^2/NDF: 120.7/85

- sign 16.486+/-10.035 χ^2/NDF: 48.6/43

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 57.191+/-0.015 χ^2/NDF: 387331.9/16

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

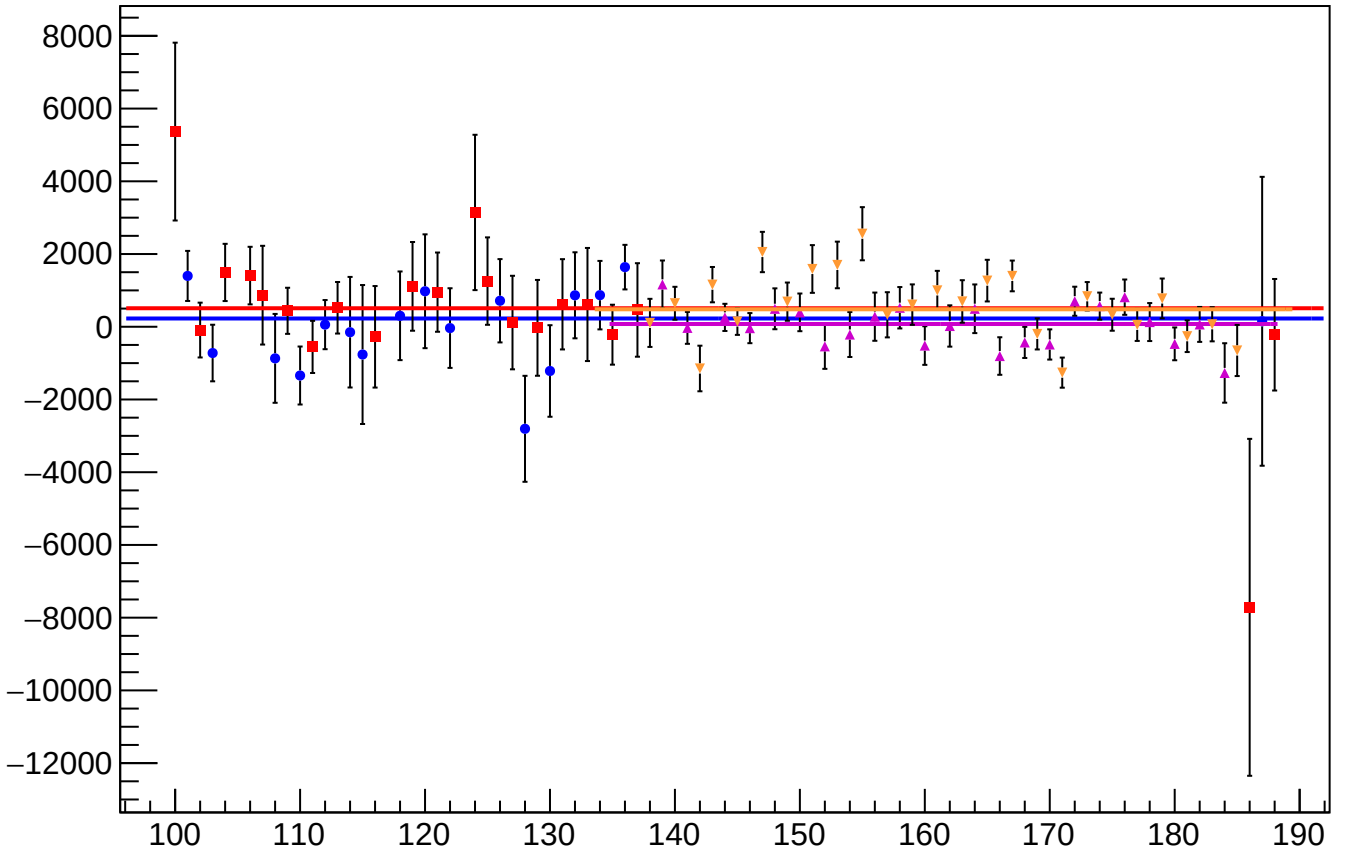
Right Out: 59.884+/-0.015 χ^2/NDF: 780211.9/20

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.116+/-0.007 χ^2/NDF: 1446577.8/41

All: 50.590+/-0.005 χ^2/NDF: 3403565.1/85

- sign 51.080+/-0.007 χ^2/NDF: 1947597.0/43



Right In: 227.225+/-240.781 χ^2/NDF: 21.6/16

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

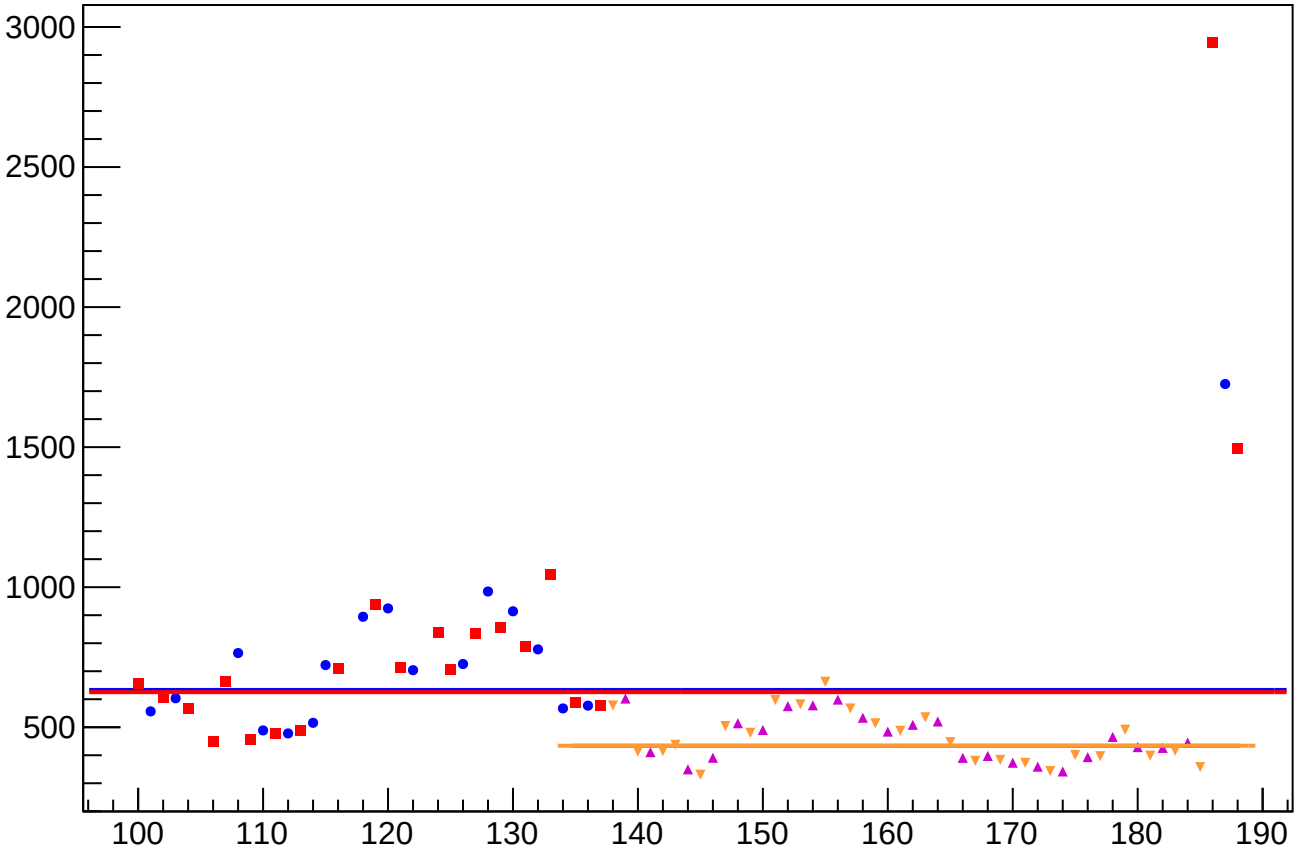
Right Out: 508.981+/-224.525 χ^2/NDF: 16.8/20

Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 442.663+/-92.765 χ^2/NDF: 91.8/41

All: 298.393+/-65.928 χ^2/NDF: 141.0/85

- sign 151.154+/-93.715 χ^2/NDF: 44.3/43



Right In: 633.124+/-0.170 χ^2/NDF: 844483.5/16

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 625.250+/-0.159 χ^2/NDF: 2041425.4/20

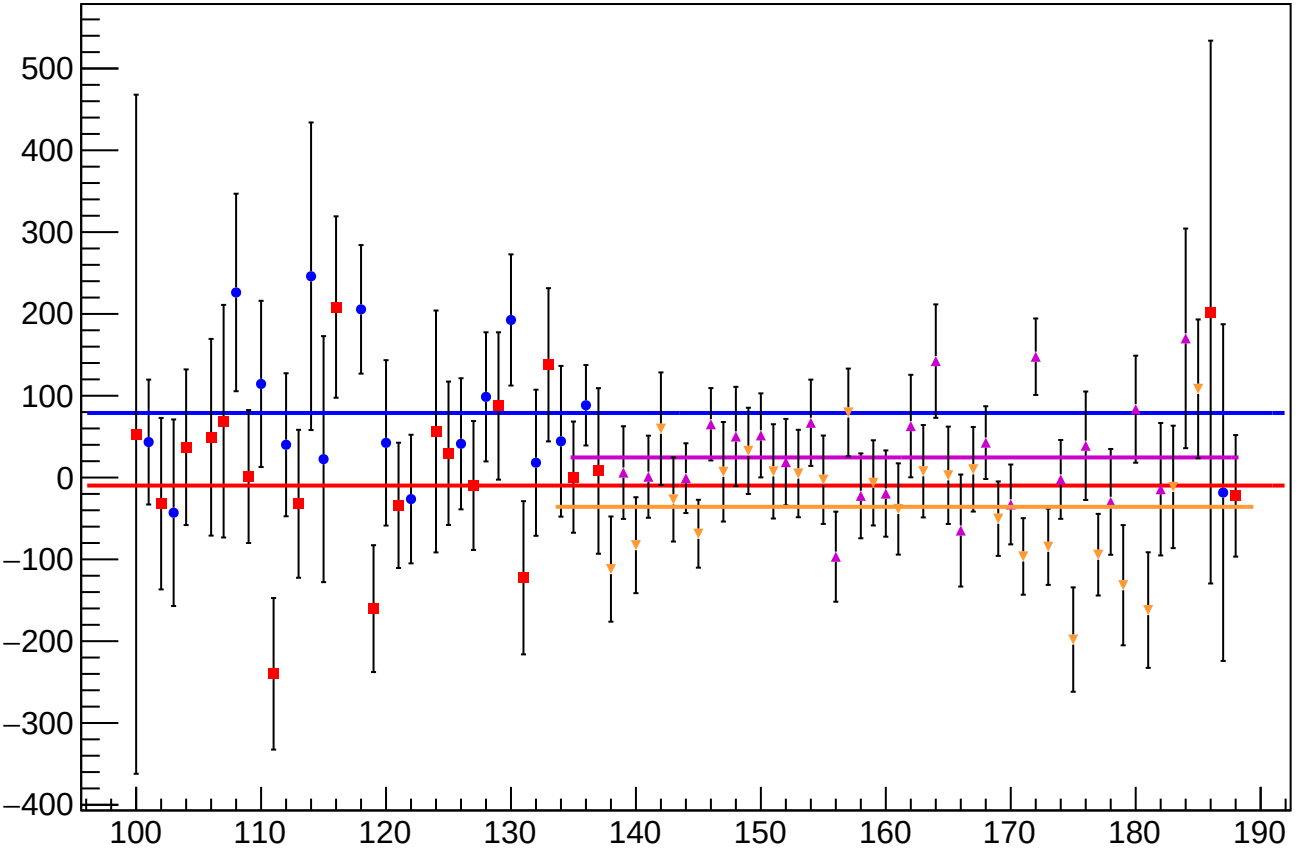
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 463.510+/-0.066 χ^2/NDF: 3253622.2/41

All: 465.281+/-0.047 χ^2/NDF: 7593114.0/85

- sign 467.089+/-0.066 χ^2/NDF: 4338017.8/43

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 78.938+/-21.358 χ^2/NDF: 11.8/16

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -9.784+/-20.728 χ^2/NDF: 20.8/20

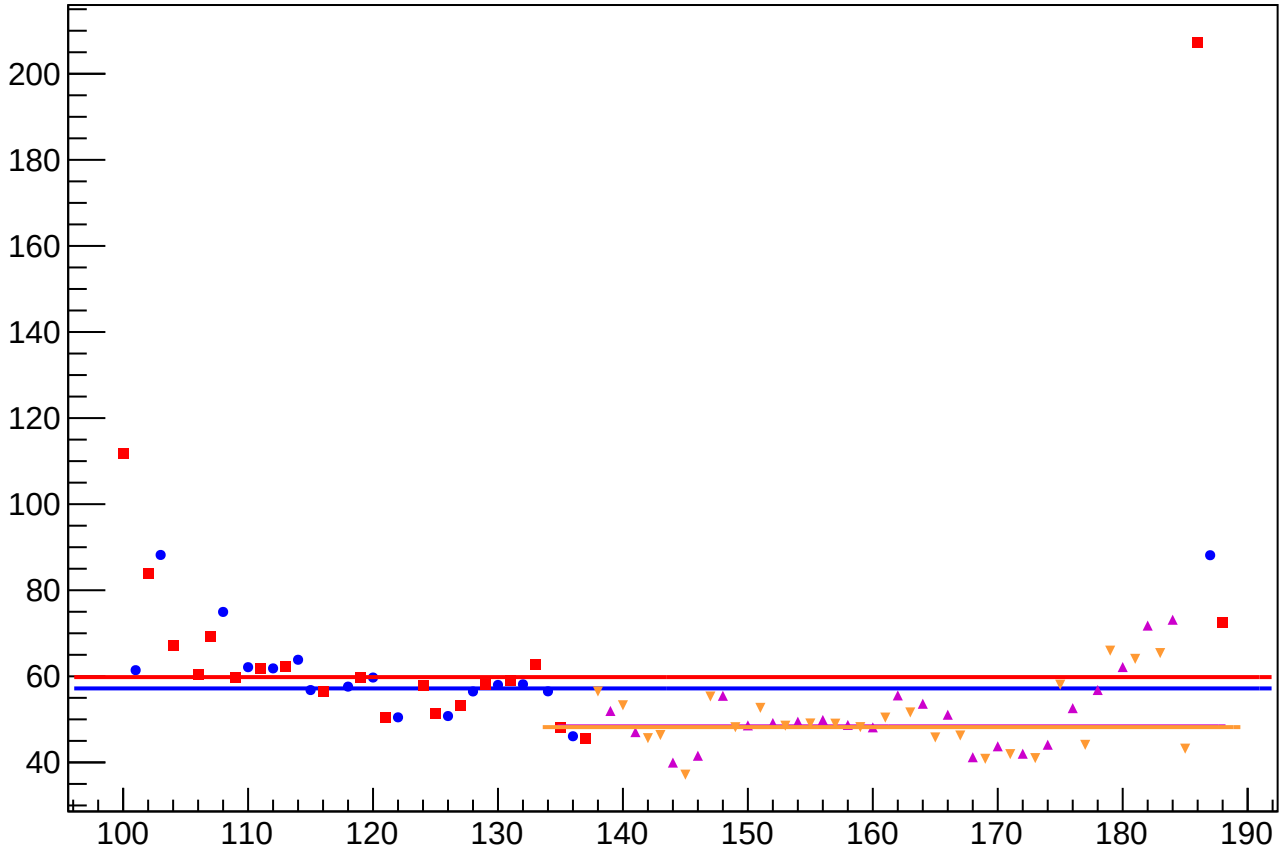
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -11.327+/-9.863 χ^2/NDF: 68.2/41

All: 2.352+/-7.035 χ^2/NDF: 120.8/85

\- sign 16.518+/-10.037 χ^2/NDF: 48.7/43

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 57.191+/-0.015 χ^2/NDF: 387335.6/16

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

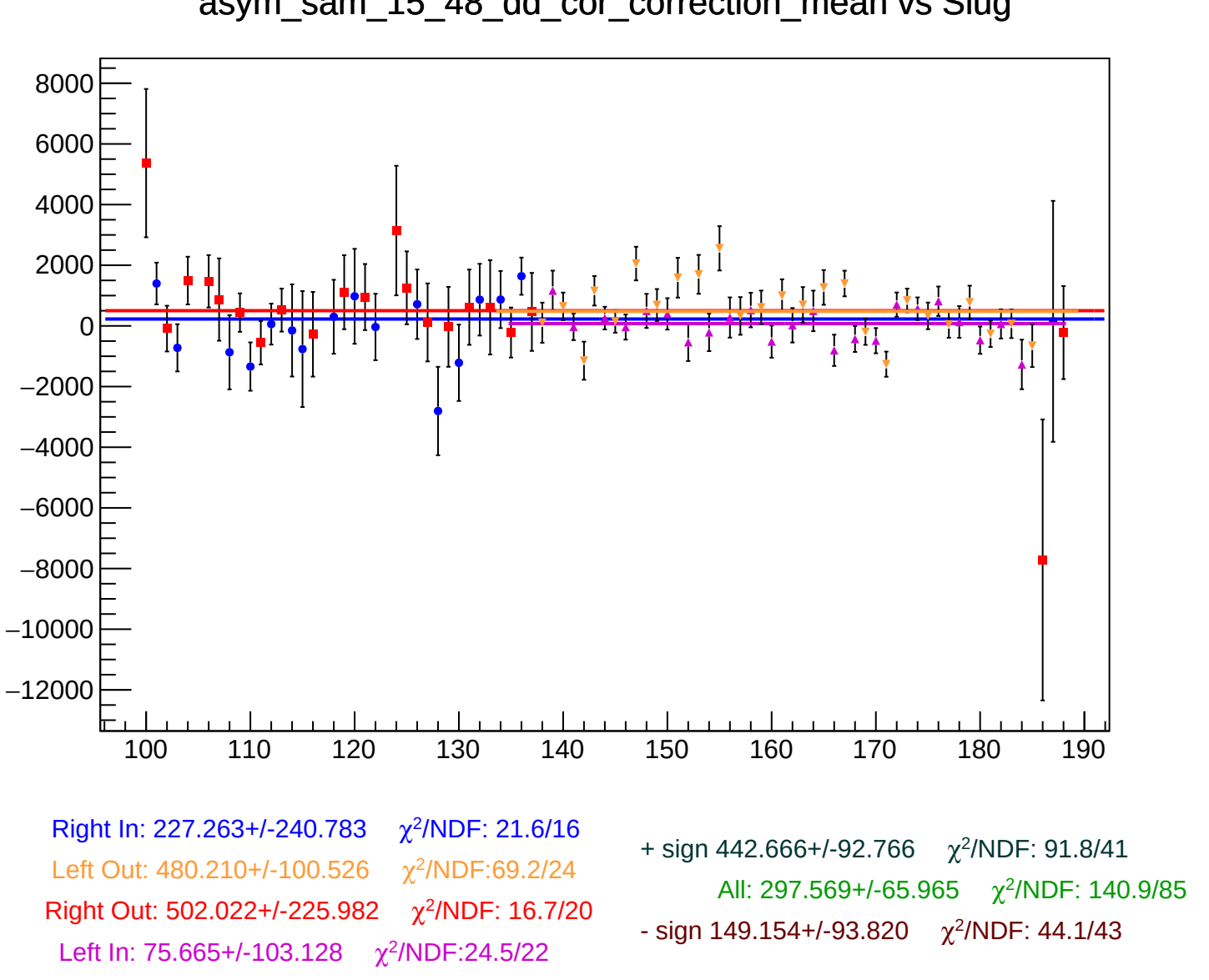
Right Out: 59.821+/-0.015 χ^2/NDF: 779506.5/20

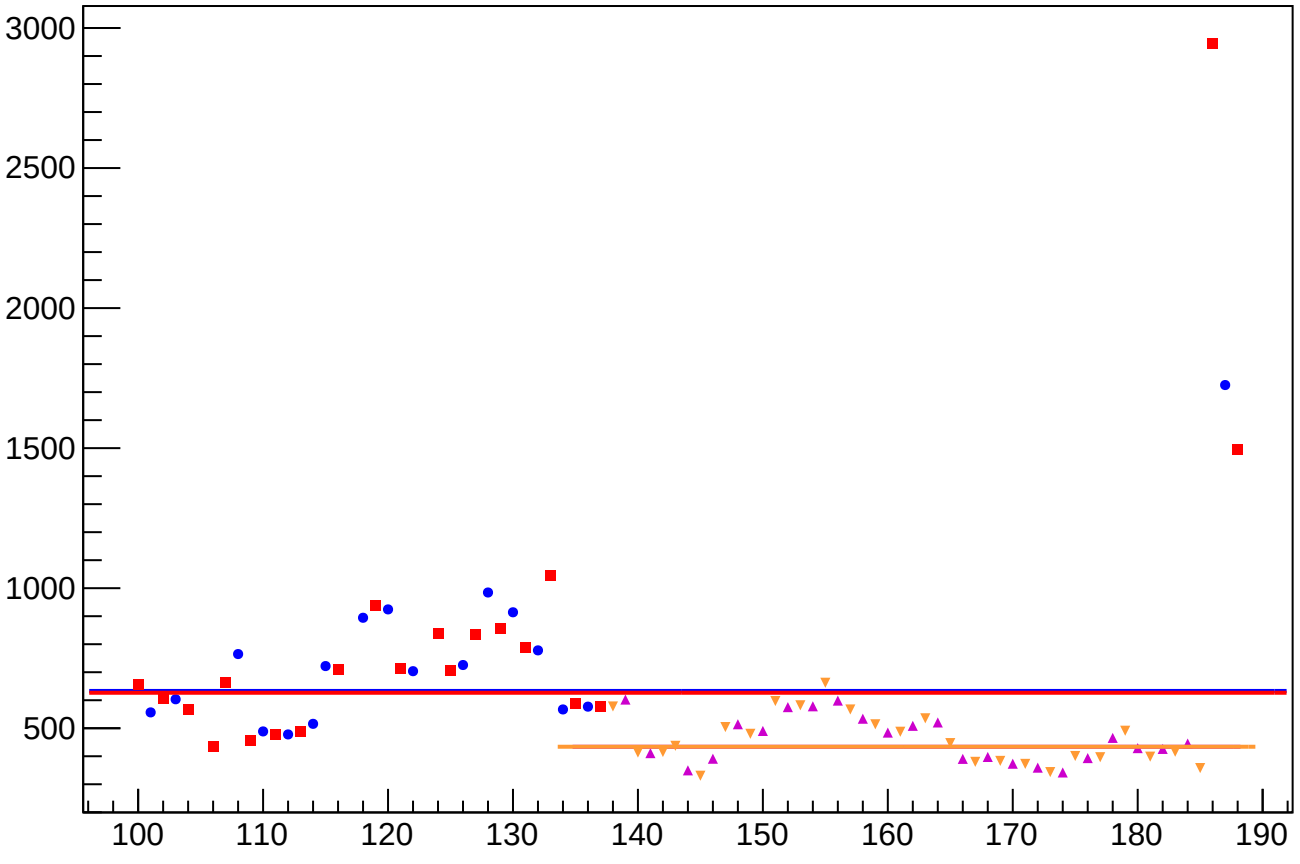
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.116+/-0.007 χ^2/NDF: 1446581.8/41

All: 50.581+/-0.005 χ^2/NDF: 3396965.7/85

- sign 51.063+/-0.007 χ^2/NDF: 1941325.9/43


asym_sam_15_48_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: 227.263+/-240.783 χ²/NDF: 21.6/16
Left Out: 480.210+/-100.526 χ²/NDF:69.2/24
Right Out: 502.022+/-225.982 χ²/NDF: 16.7/20
Left In: 75.665+/-103.128 χ²/NDF:24.5/22
+ sign 442.666+/-92.766 χ²/NDF: 91.8/41
All: 297.569+/-65.965 χ²/NDF: 140.9/85
- sign 149.154+/-93.820 χ²/NDF: 44.1/43



Right In: 633.128+/-0.170 χ^2/NDF: 844473.8/16

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 626.671+/-0.160 χ^2/NDF: 2038387.6/20

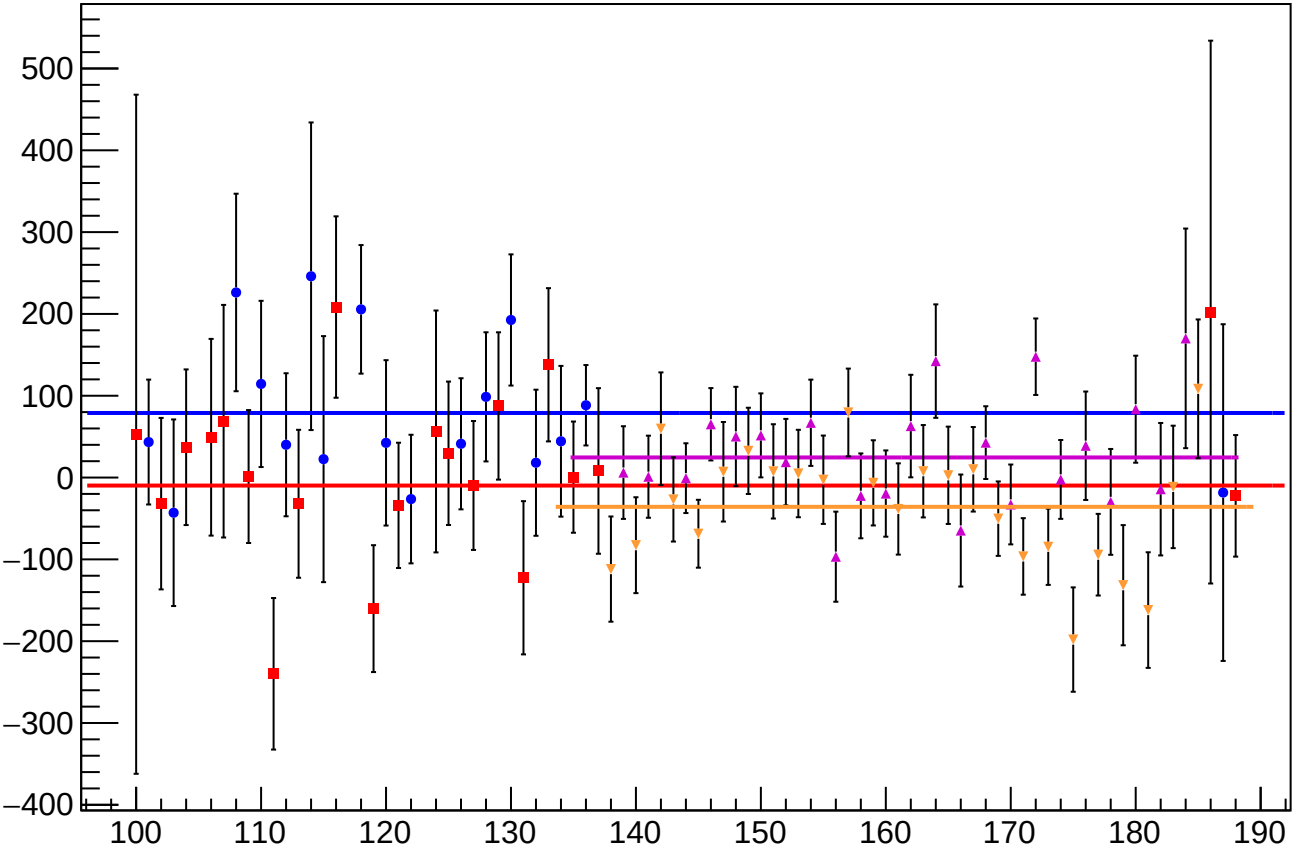
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 463.510+/-0.066 χ^2/NDF: 3253652.0/41

All: 465.225+/-0.047 χ^2/NDF: 7594937.8/85

- sign 466.979+/-0.066 χ^2/NDF: 4339902.8/43

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 78.938+/-21.358 χ^2/NDF: 11.8/16

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -9.784+/-20.728 χ^2/NDF: 20.8/20

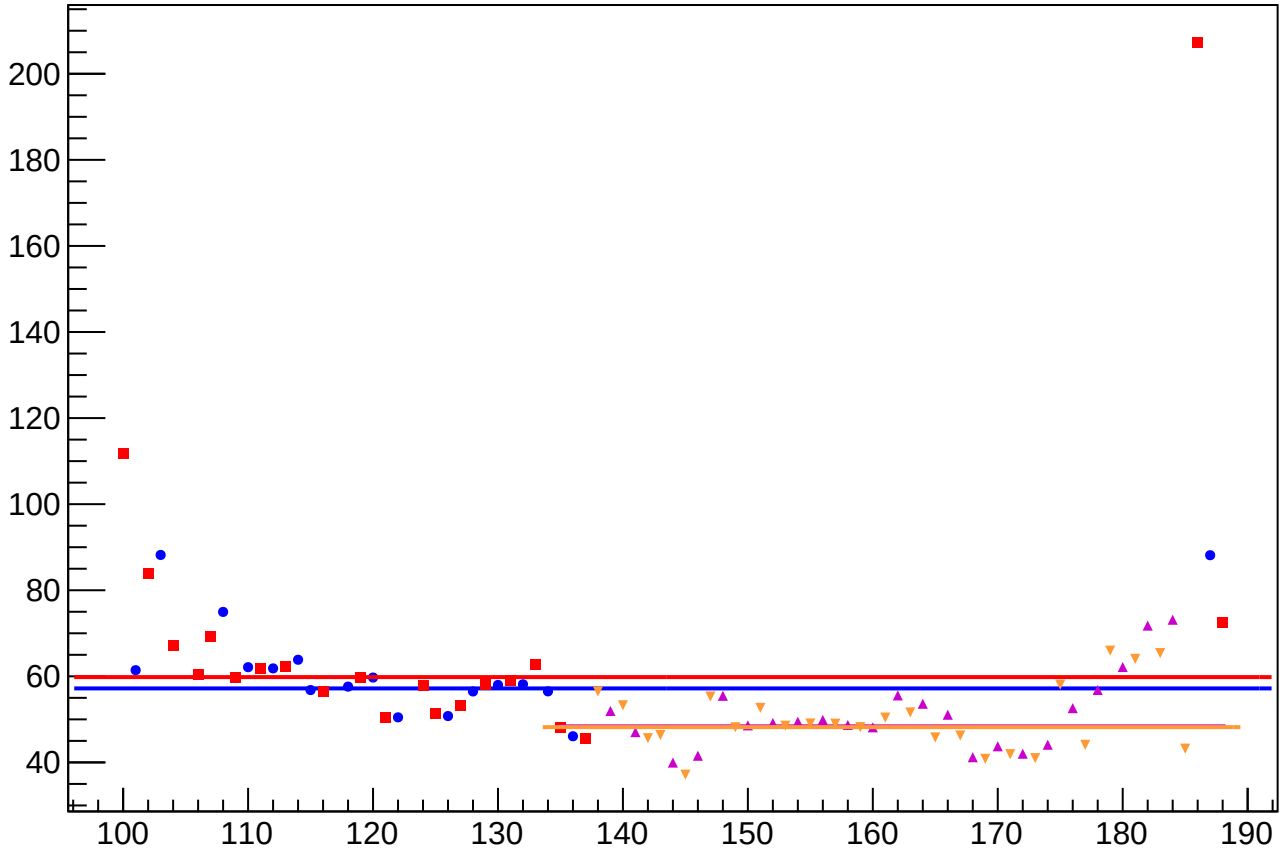
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -11.327+/-9.863 χ^2/NDF: 68.2/41

All: 2.352+/-7.035 χ^2/NDF: 120.8/85

\- sign 16.518+/-10.037 χ^2/NDF: 48.7/43

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 57.191+/-0.015 χ^2/NDF: 387335.6/16

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

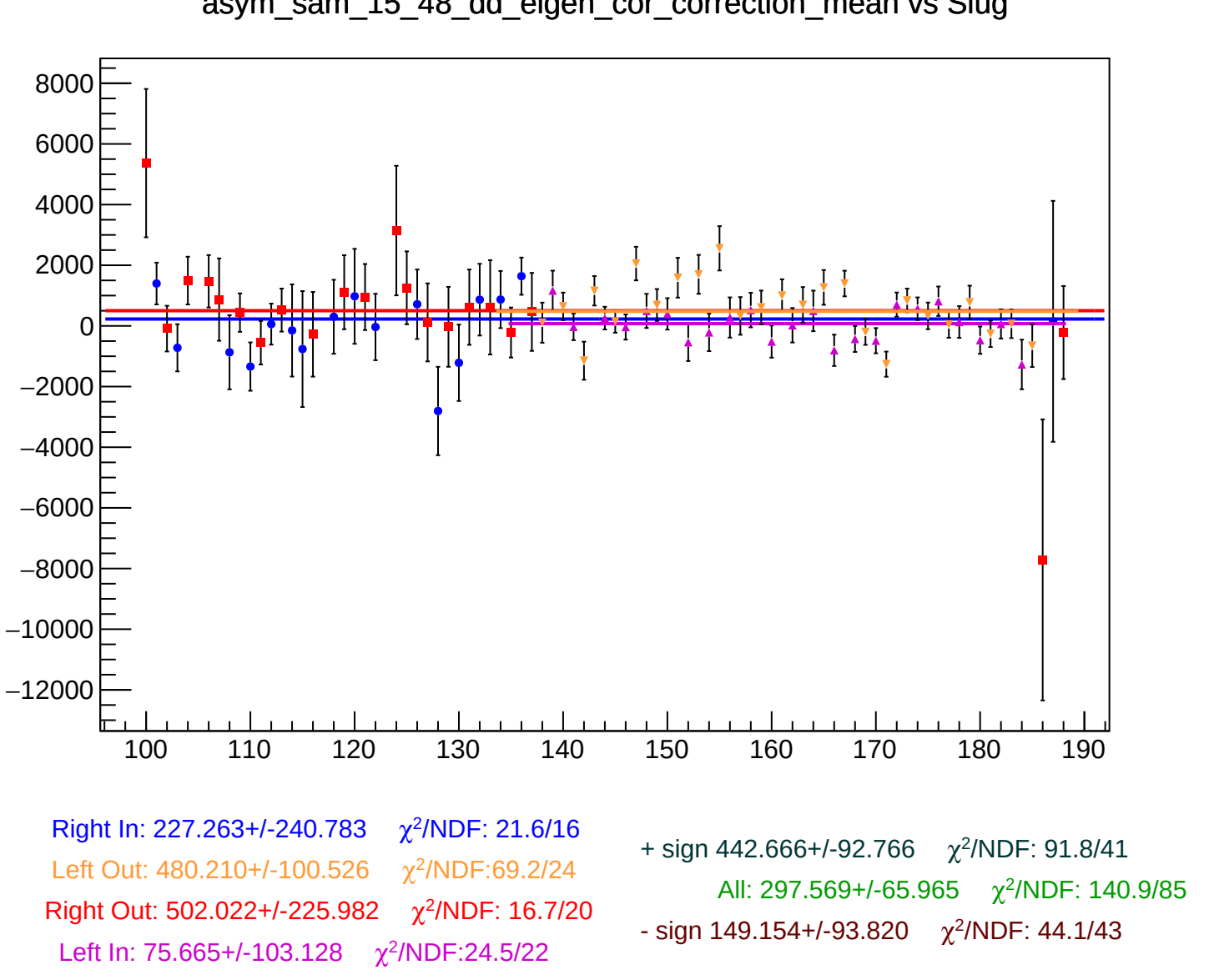
Right Out: 59.821+/-0.015 χ^2/NDF: 779506.5/20

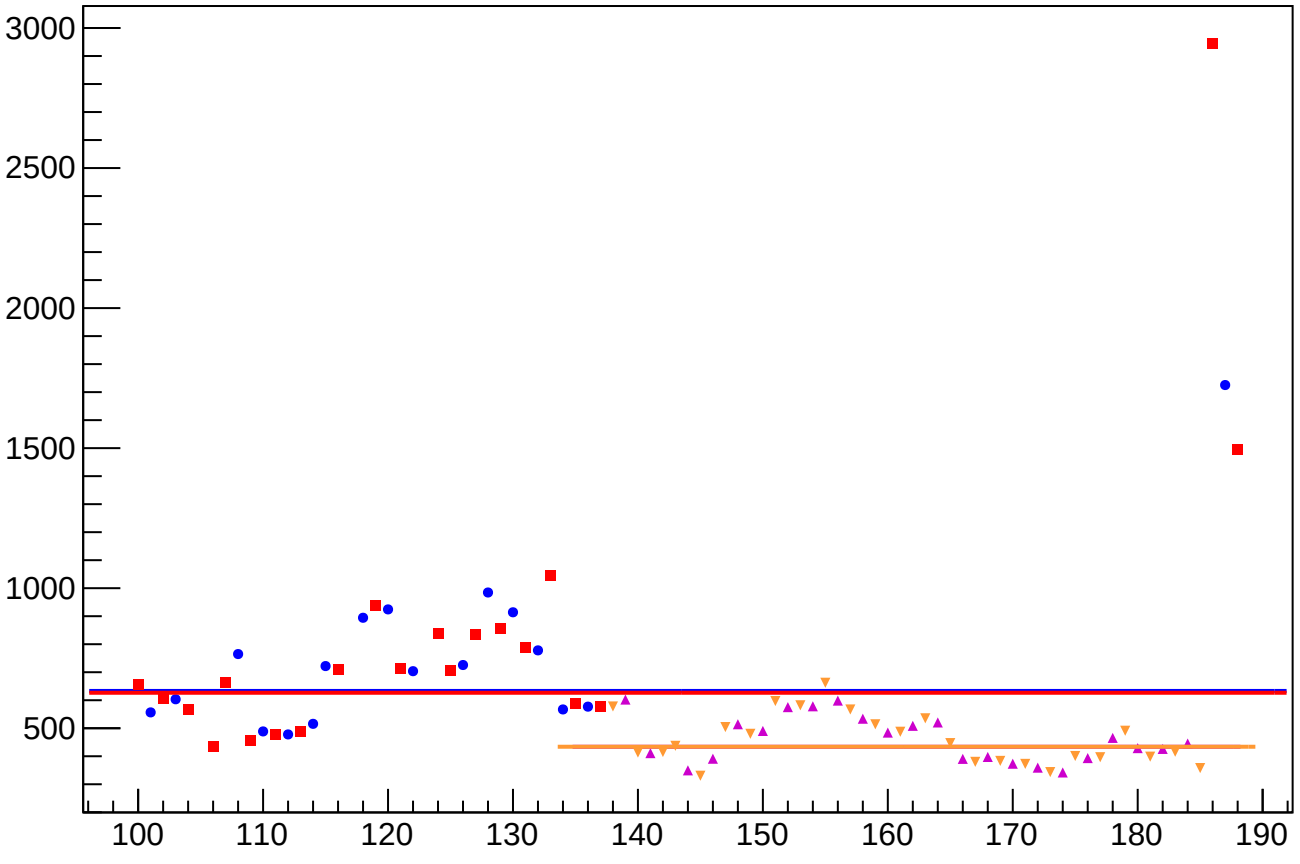
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.116+/-0.007 χ^2/NDF: 1446581.8/41

All: 50.581+/-0.005 χ^2/NDF: 3396965.7/85

- sign 51.063+/-0.007 χ^2/NDF: 1941325.9/43


asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: 227.263+/-240.783 χ²/NDF: 21.6/16
Left Out: 480.210+/-100.526 χ²/NDF:69.2/24
Right Out: 502.022+/-225.982 χ²/NDF: 16.7/20
Left In: 75.665+/-103.128 χ²/NDF:24.5/22
+ sign 442.666+/-92.766 χ²/NDF: 91.8/41
All: 297.569+/-65.965 χ²/NDF: 140.9/85
- sign 149.154+/-93.820 χ²/NDF: 44.1/43



Right In: 633.128+/-0.170 χ^2/NDF: 844473.8/16

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 626.671+/-0.160 χ^2/NDF: 2038387.6/20

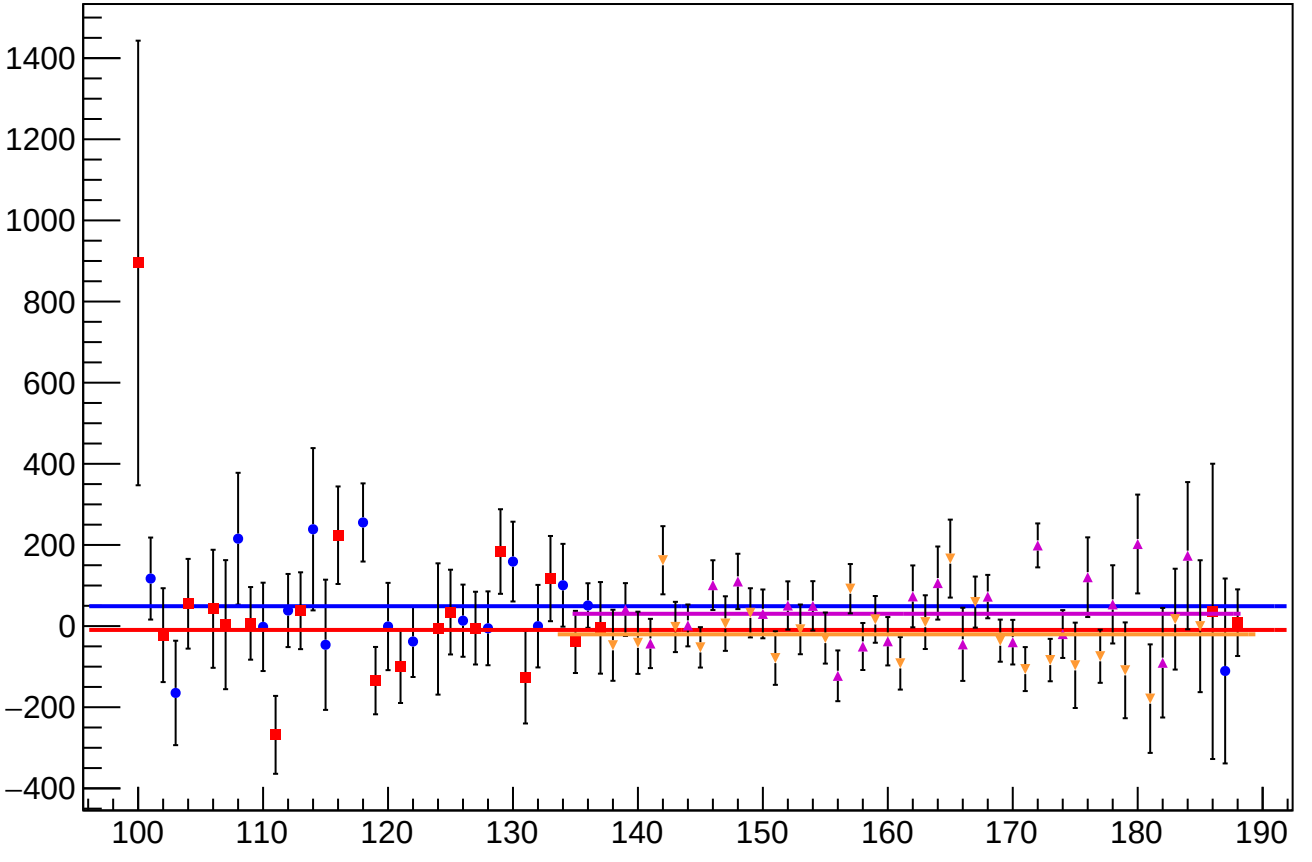
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 463.510+/-0.066 χ^2/NDF: 3253652.0/41

All: 465.225+/-0.047 χ^2/NDF: 7594937.8/85

- sign 466.979+/-0.066 χ^2/NDF: 4339902.8/43

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 49.017+/-24.352 χ^2/NDF: 14.3/16

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -9.491+/-23.275 χ^2/NDF: 24.1/20

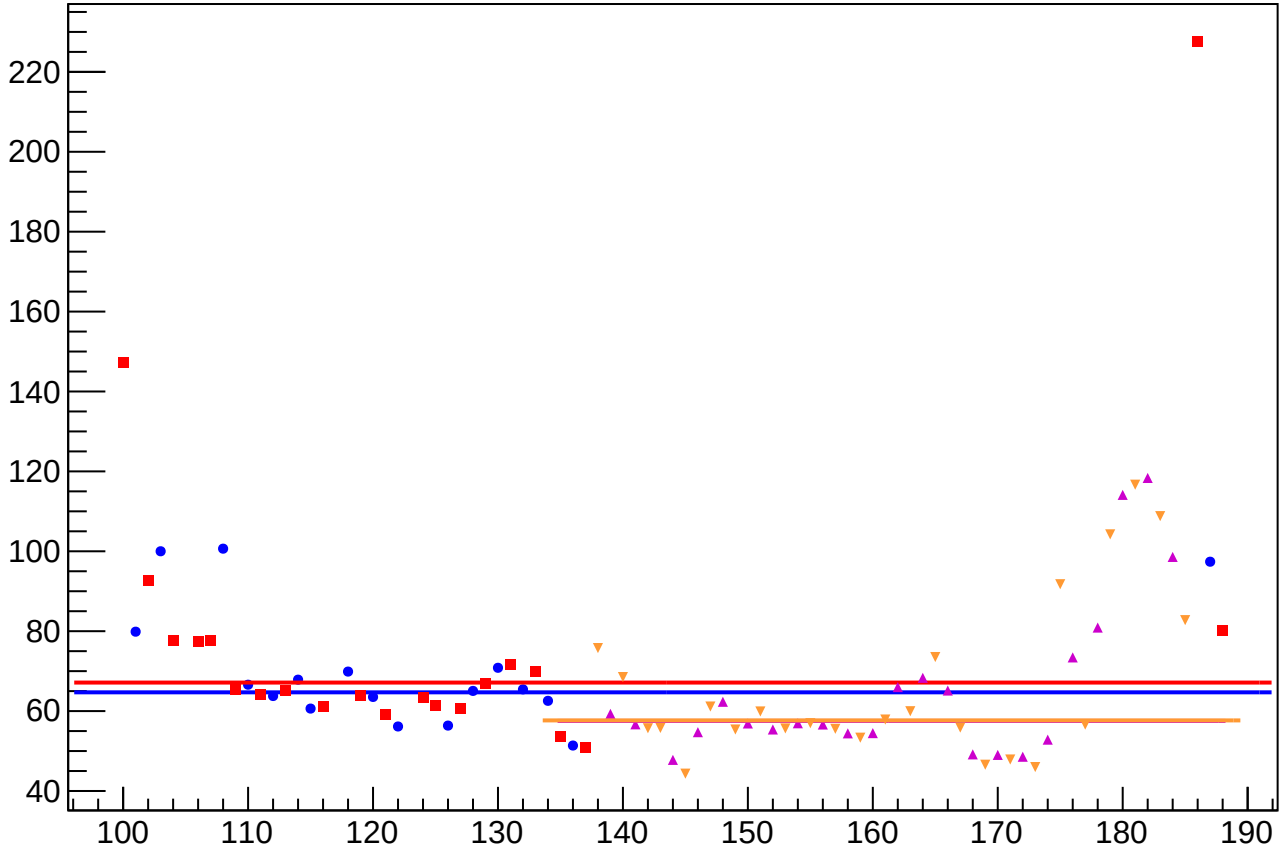
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

\+ sign -3.730+/-11.898 χ^2/NDF: 45.6/41

All: 7.933+/-8.443 χ^2/NDF: 106.4/85

\- sign 19.765+/-11.984 χ^2/NDF: 58.8/43

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.694+/-0.017 χ^2/NDF: 506591.0/16

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

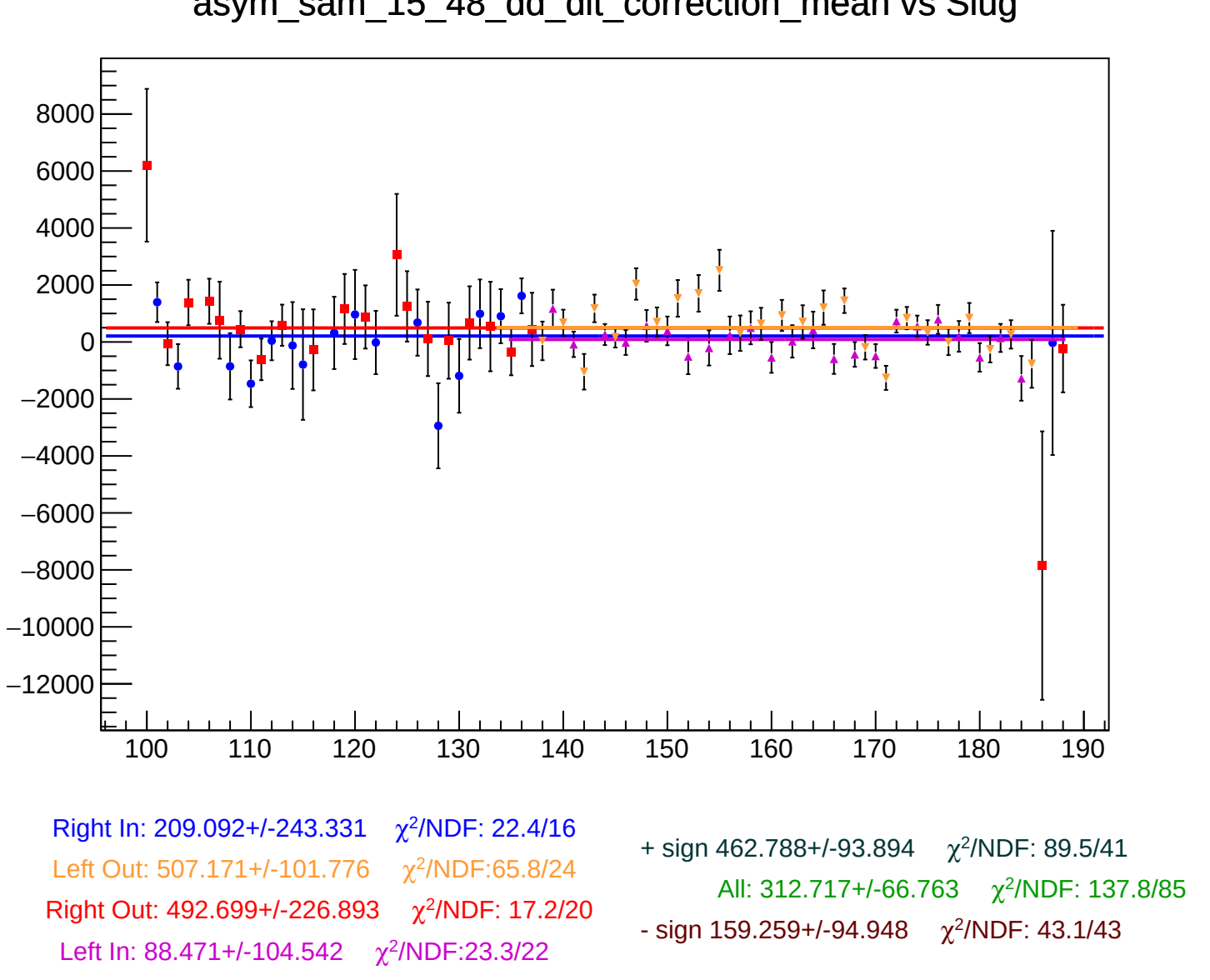
Right Out: 67.141+/-0.016 χ^2/NDF: 770096.0/20

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

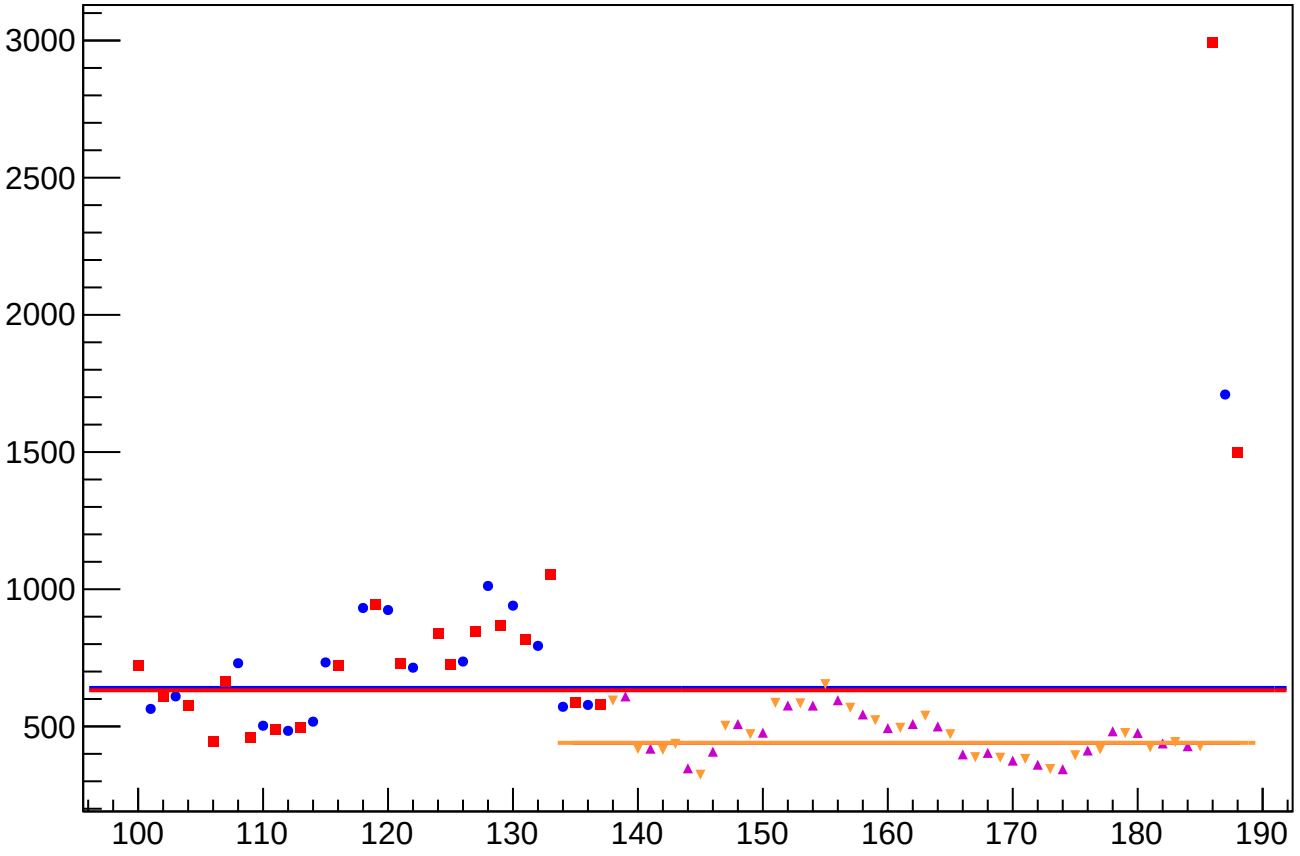
+ sign 59.345+/-0.008 χ^2/NDF: 2543090.1/41

All: 59.712+/-0.006 χ^2/NDF: 5010402.6/85

- sign 60.085+/-0.008 χ^2/NDF: 2463481.6/43


asym_sam_15_48_dd_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: 209.092+/-243.331 χ²/NDF: 22.4/16
Left Out: 507.171+/-101.776 χ²/NDF:65.8/24
Right Out: 492.699+/-226.893 χ²/NDF: 17.2/20
Left In: 88.471+/-104.542 χ²/NDF:23.3/22
+ sign 462.788+/-93.894 χ²/NDF: 89.5/41
All: 312.717+/-66.763 χ²/NDF: 137.8/85
- sign 159.259+/-94.948 χ²/NDF: 43.1/43

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 640.249+/-0.172 χ^2/NDF: 853518.6/16

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 631.755+/-0.160 χ^2/NDF: 2054593.5/20

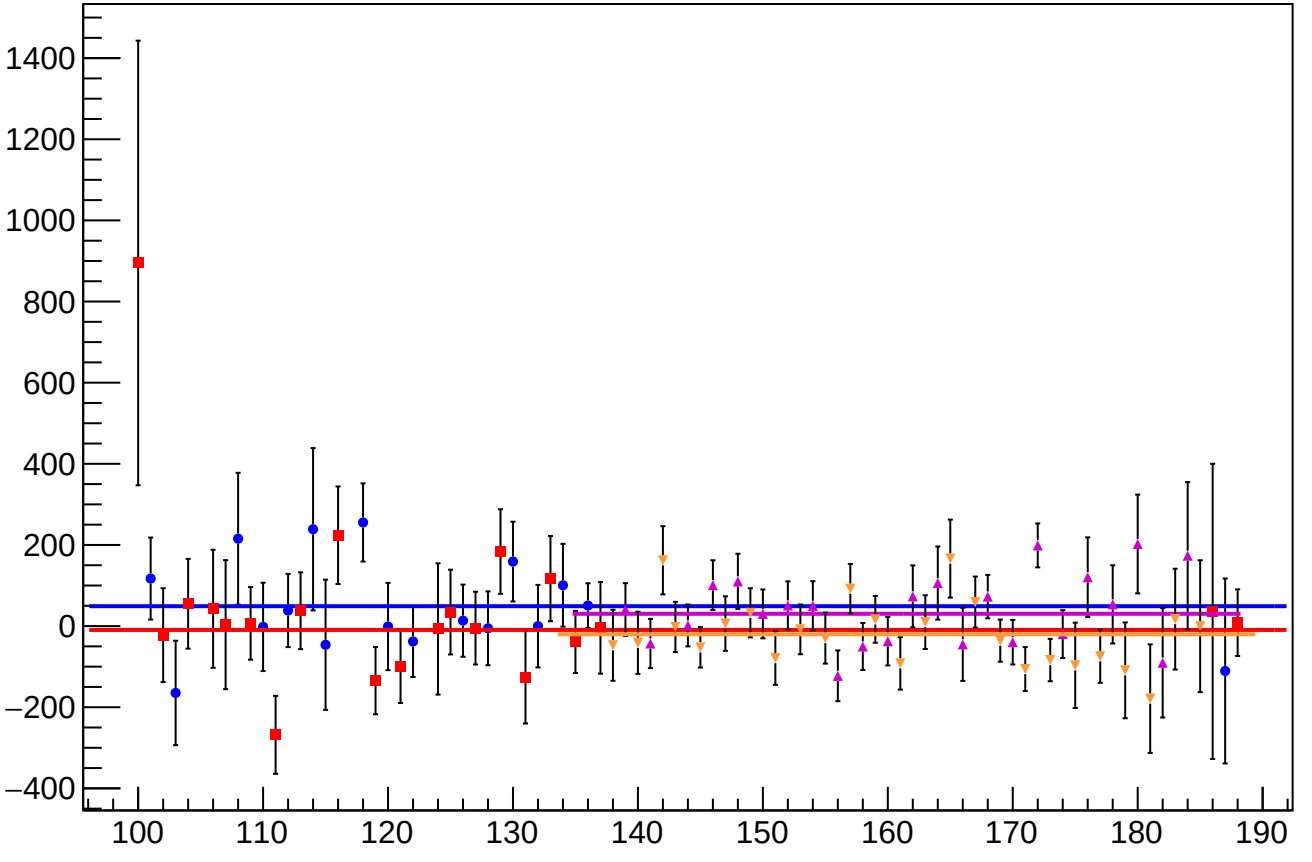
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 469.880+/-0.066 χ^2/NDF: 3202447.4/41

All: 471.659+/-0.047 χ^2/NDF: 7500259.6/85

- sign 473.478+/-0.067 χ^2/NDF: 4296360.1/43

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 49.015+/-24.352 χ^2/NDF: 14.3/16

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -9.490+/-23.275 χ^2/NDF: 24.1/20

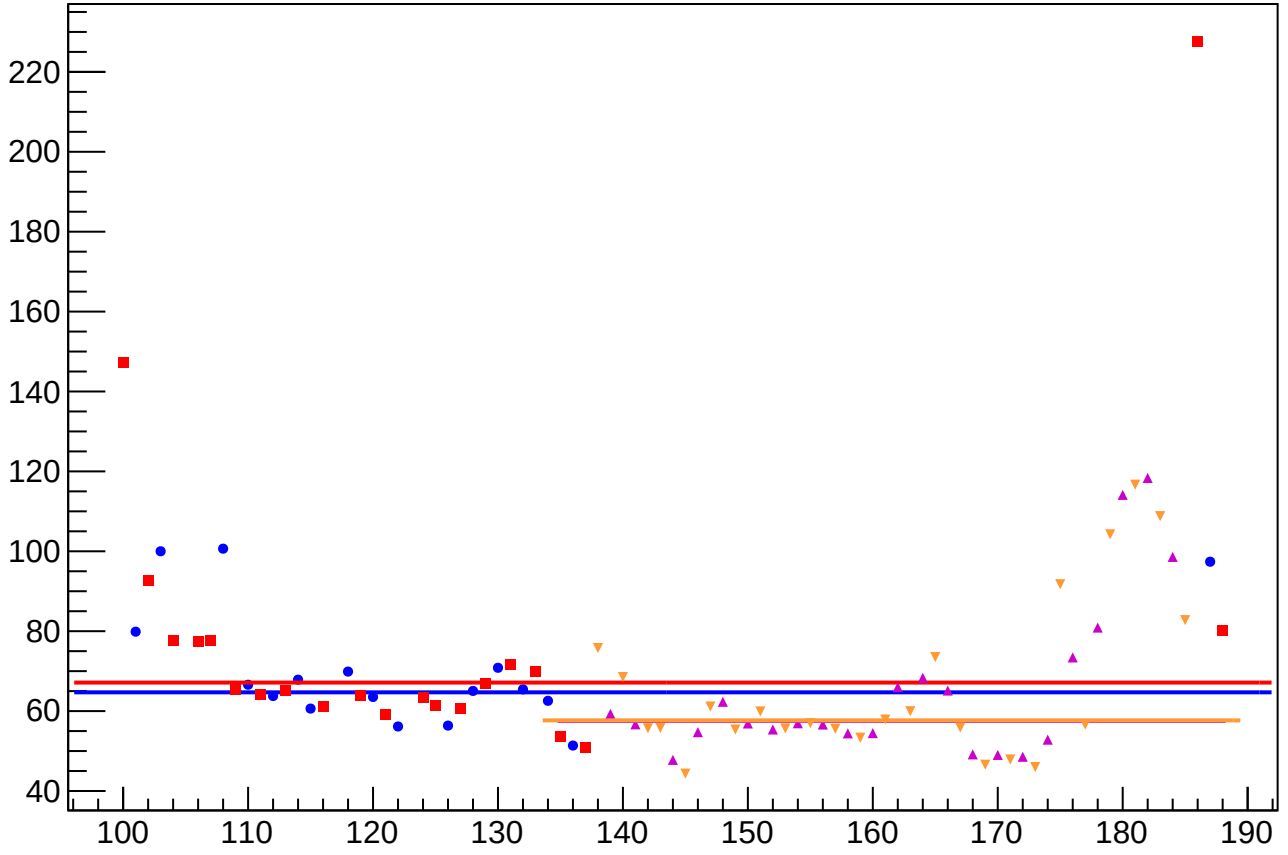
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

\+ sign -3.731+/-11.898 χ^2/NDF: 45.6/41

All: 7.933+/-8.443 χ^2/NDF: 106.4/85

\- sign 19.766+/-11.984 χ^2/NDF: 58.8/43

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.694+/-0.017 χ^2/NDF: 506590.6/16

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

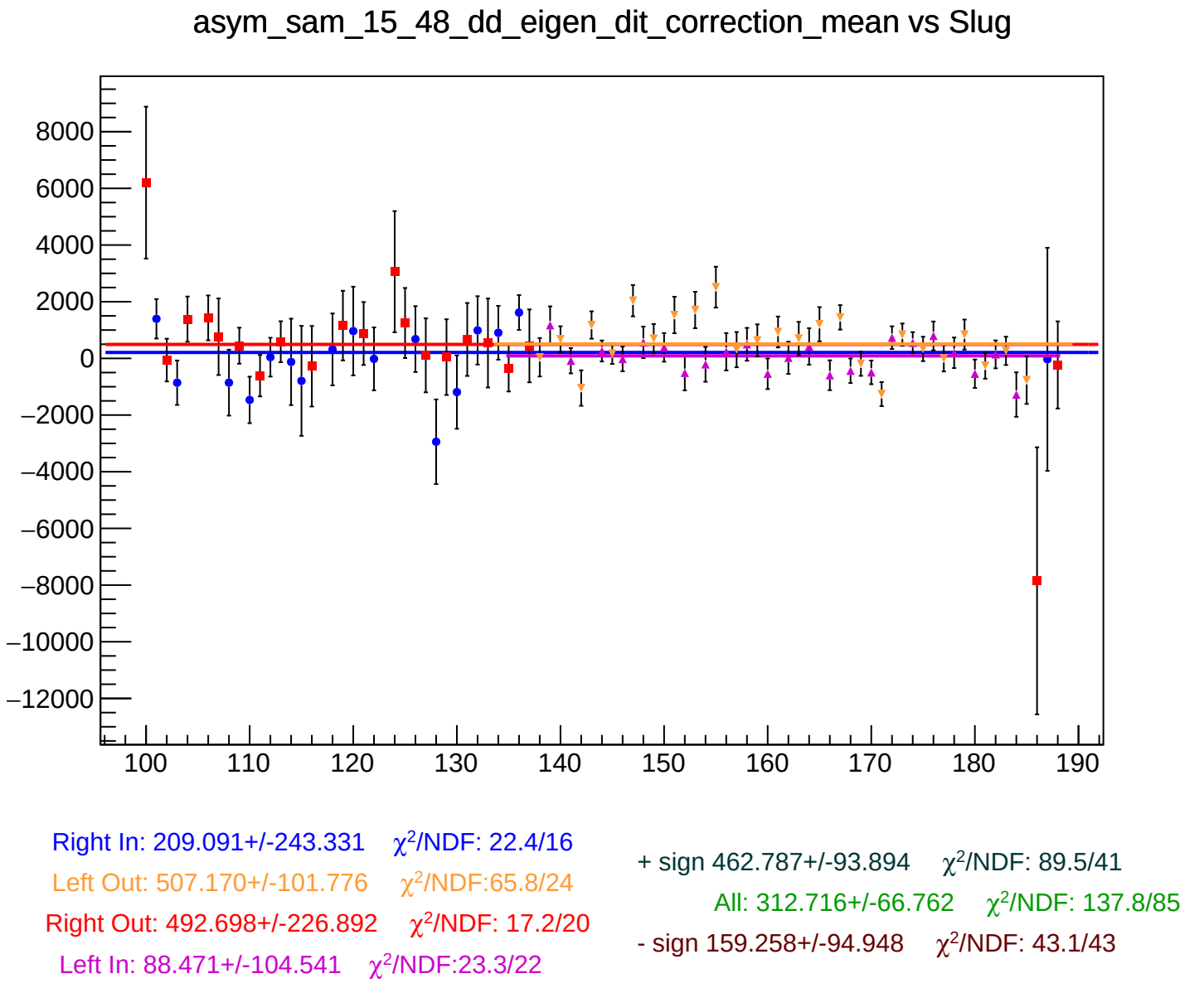
Right Out: 67.140+/-0.016 χ^2/NDF: 770105.9/20

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 59.346+/-0.008 χ^2/NDF: 2543078.8/41

All: 59.712+/-0.006 χ^2/NDF: 5010374.0/85

- sign 60.085+/-0.008 χ^2/NDF: 2463464.9/43


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug
8000
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−6000
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170
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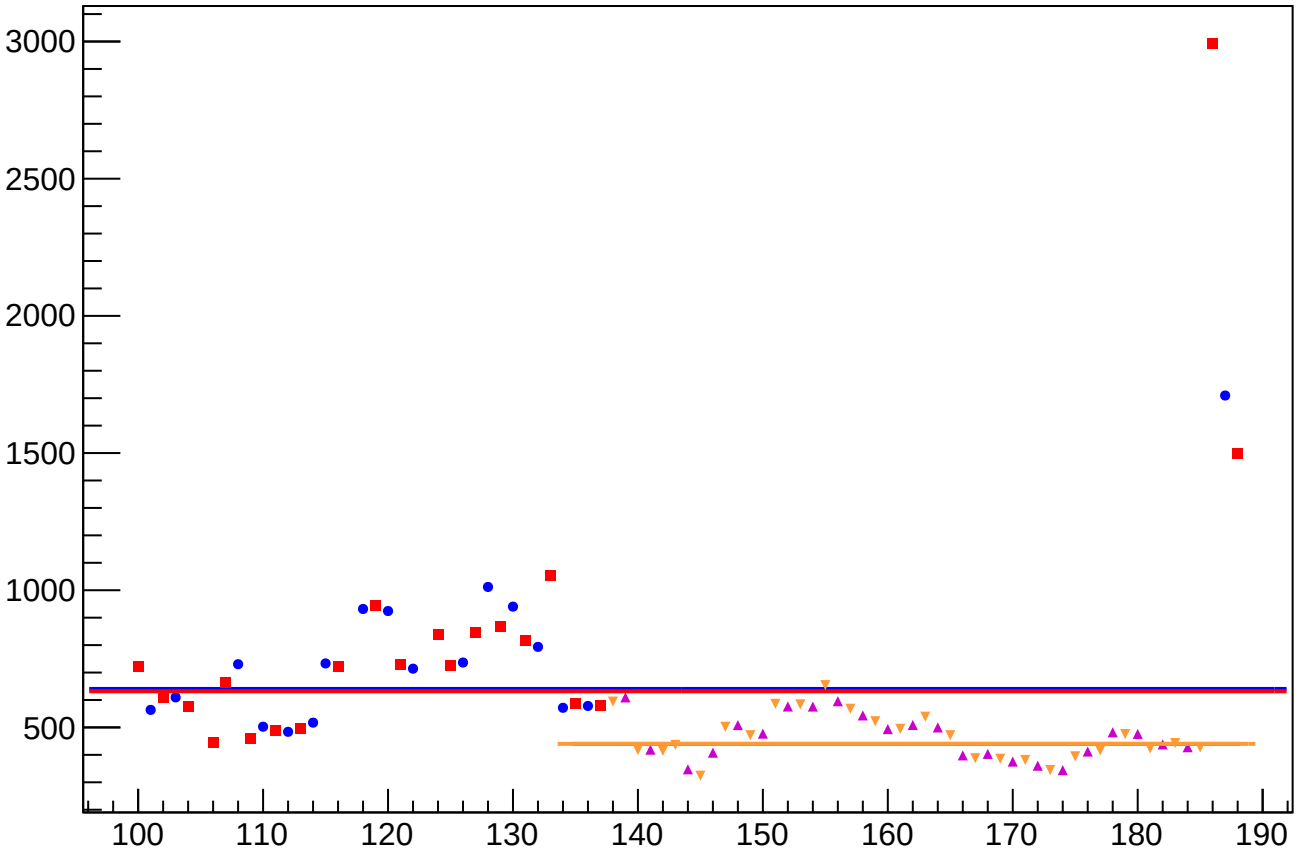
190
Right In: 209.091+/-243.331 χ²/NDF: 22.4/16
Left Out: 507.170+/-101.776 χ²/NDF:65.8/24
Right Out: 492.698+/-226.892 χ²/NDF: 17.2/20
Left In: 88.471+/-104.541 χ²/NDF:23.3/22
+ sign 462.787+/-93.894 χ²/NDF: 89.5/41
All: 312.716+/-66.762 χ²/NDF: 137.8/85
- sign 159.258+/-94.948 χ²/NDF: 43.1/43



Right In: 640.248+/-0.172 χ^2/NDF: 853521.6/16

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 631.754+/-0.160 χ^2/NDF: 2054594.8/20

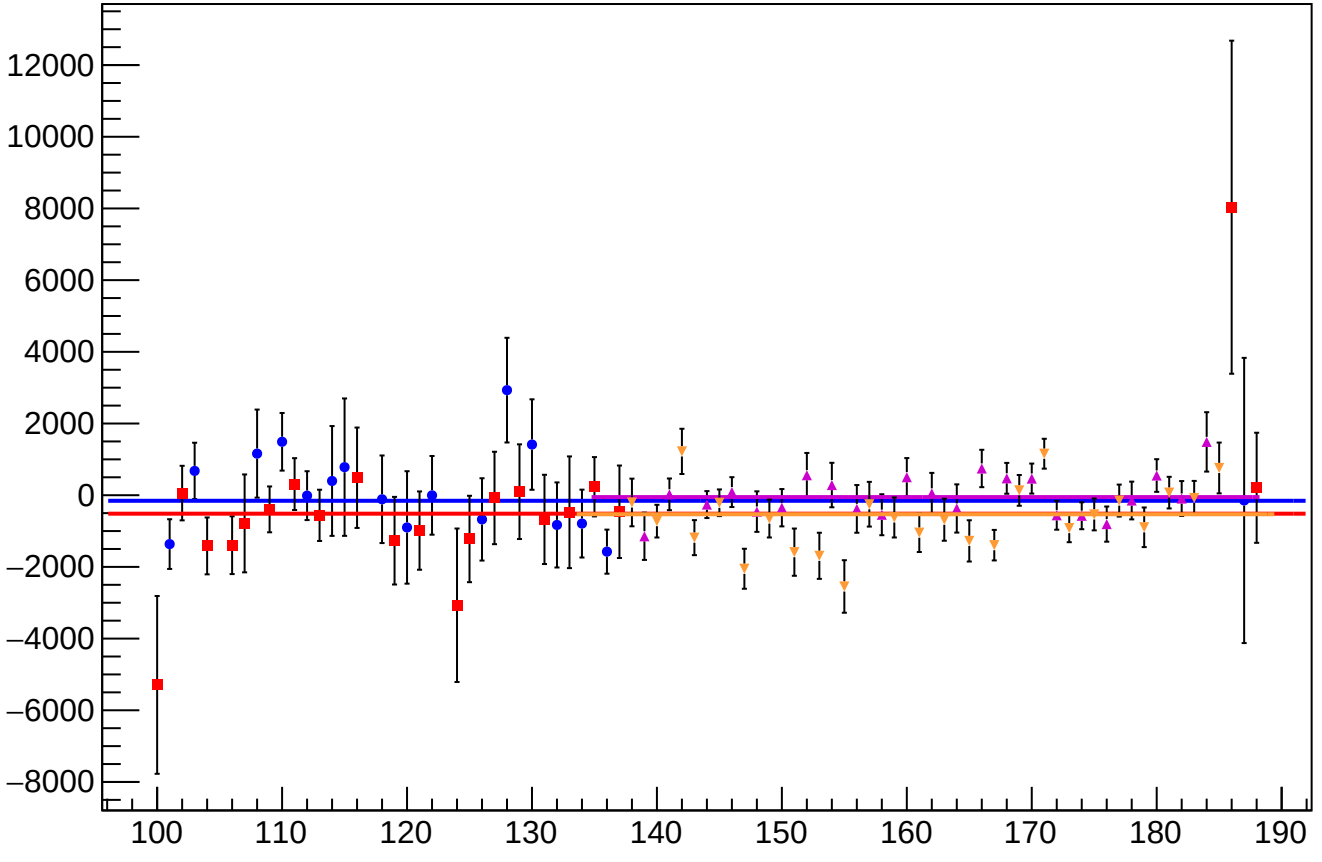
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 469.879+/-0.066 χ^2/NDF: 3202465.1/41

All: 471.658+/-0.047 χ^2/NDF: 7500293.8/85

- sign 473.477+/-0.067 χ^2/NDF: 4296376.7/43

asym_sam_15_48_dd_mean vs Slug



Right In: -155.618+/-242.145 χ^2/NDF: 22.5/16

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -515.369+/-226.121 χ^2/NDF: 15.8/20

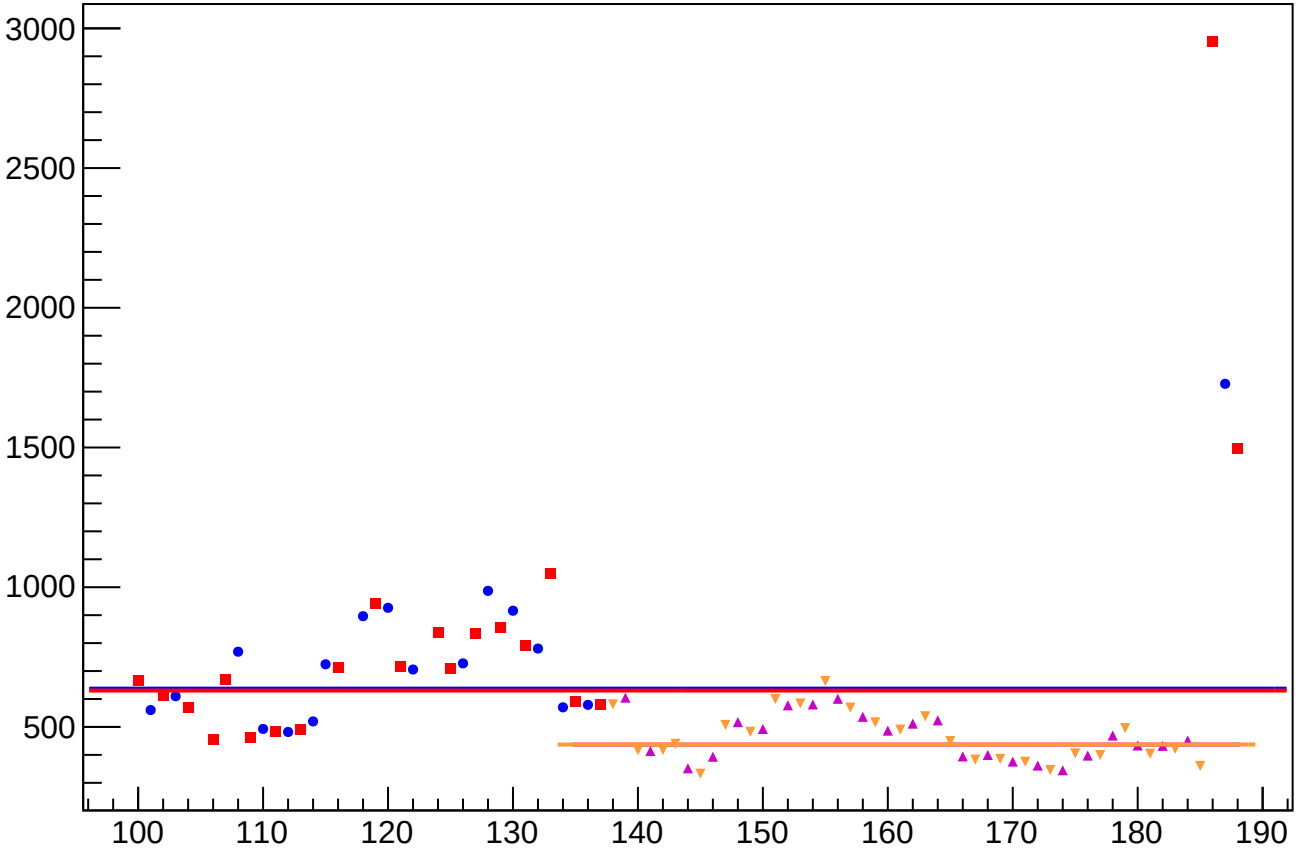
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

\+ sign -475.625+/-93.409 χ^2/NDF: 90.1/41

All: -306.195+/-66.394 χ^2/NDF: 140.1/85

\- sign -133.195+/-94.388 χ^2/NDF: 43.3/43

asym_sam_15_48_dd_rms vs Slug



Right In: 637.023+/-0.171 χ^2/NDF: 832082.4/16

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

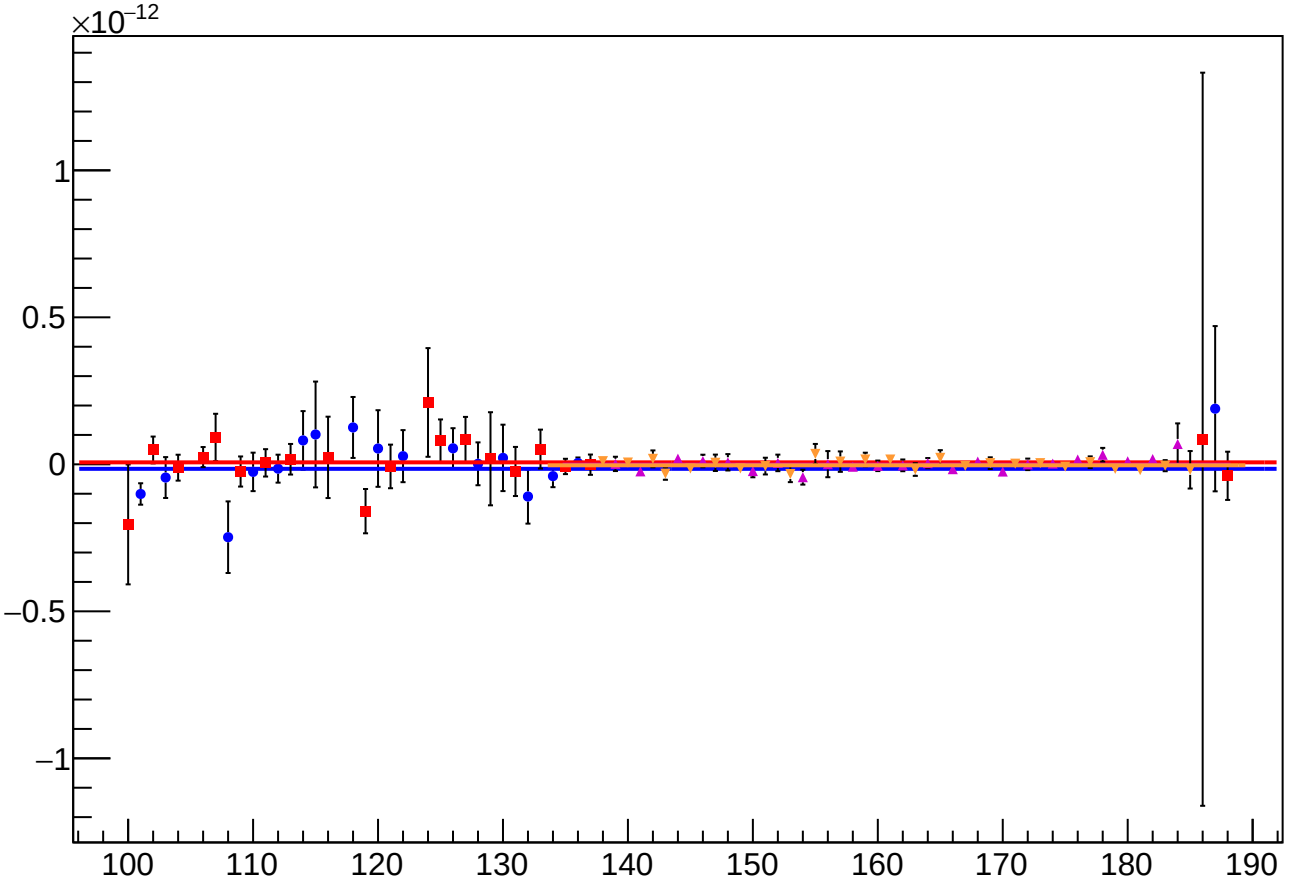
Right Out: 630.248+/-0.160 χ^2/NDF: 2013297.7/20

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 466.898+/-0.066 χ^2/NDF: 3219336.8/41

All: 468.740+/-0.047 χ^2/NDF: 7521255.6/85

- sign 470.620+/-0.067 χ^2/NDF: 4300347.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

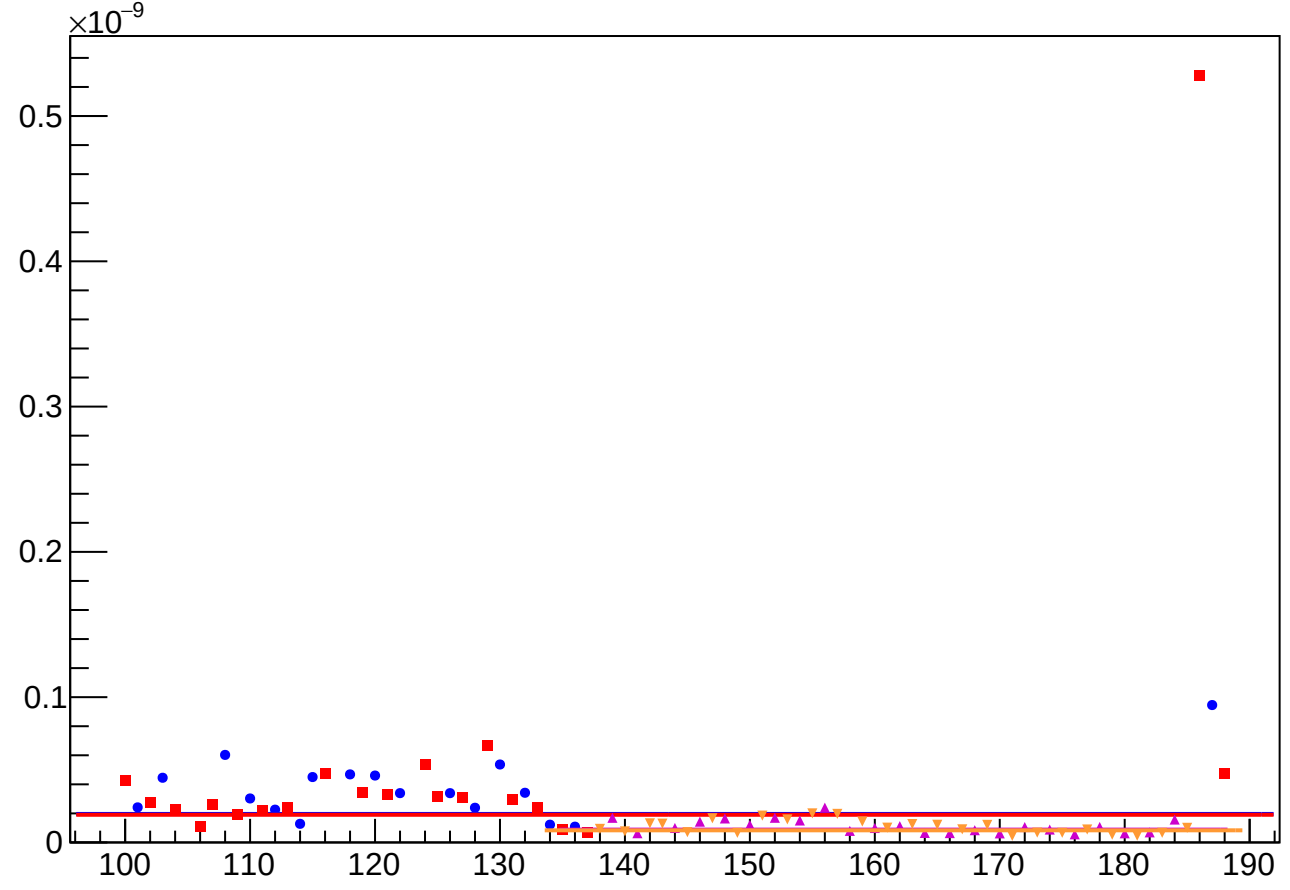
Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/20

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.6/41

All: -0.000+/-0.000 χ^2/NDF: 68.9/85

- sign -0.000+/-0.000 χ^2/NDF: 35.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 1878136.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

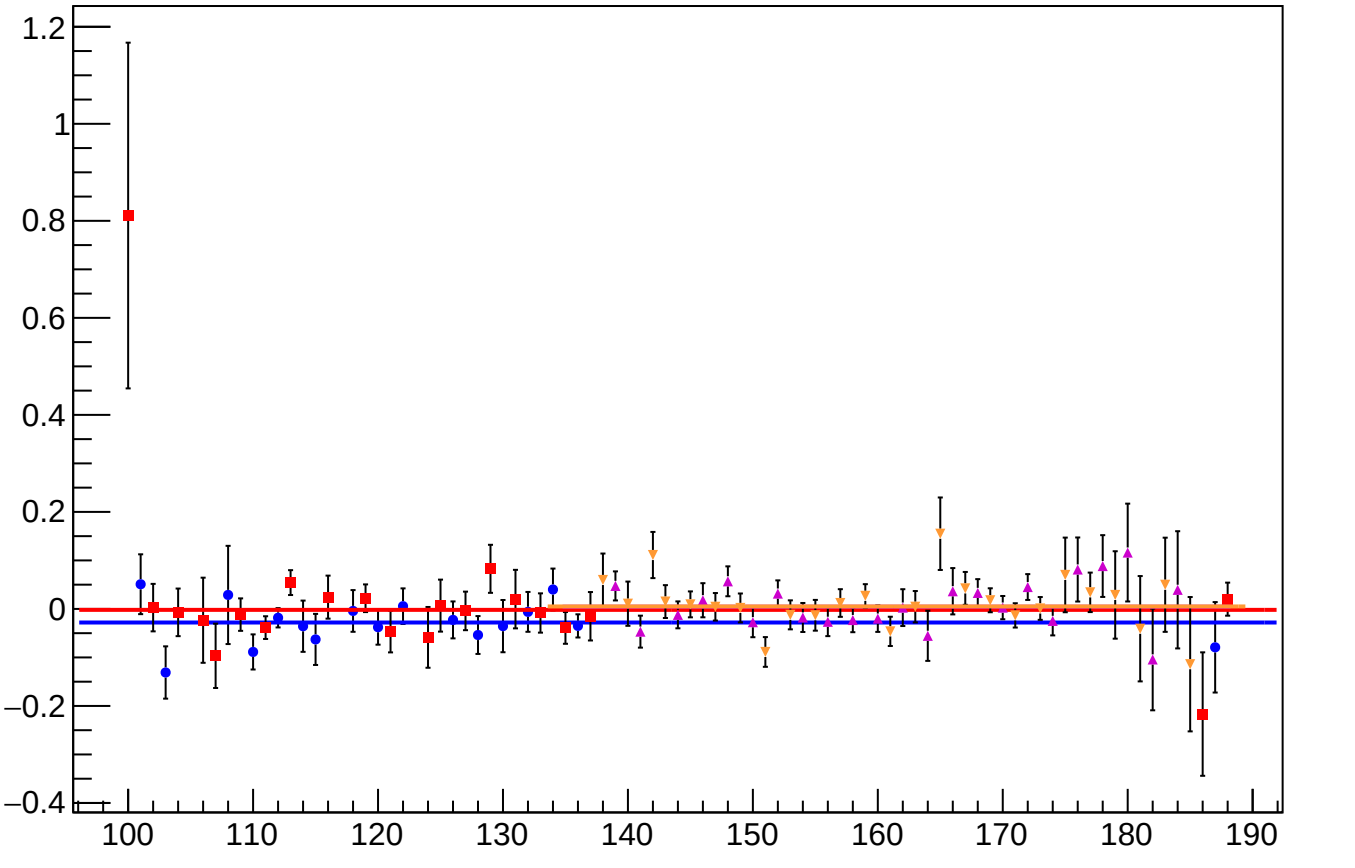
Right Out: 0.000+/-0.000 χ^2/NDF: 2019176.5/20

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5574688.4/41

All: 0.000+/-0.000 χ^2/NDF: 10587601.0/85

- sign 0.000+/-0.000 χ^2/NDF: 4984688.5/43



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/16

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.002+/-0.009 χ^2/NDF: 25.4/20

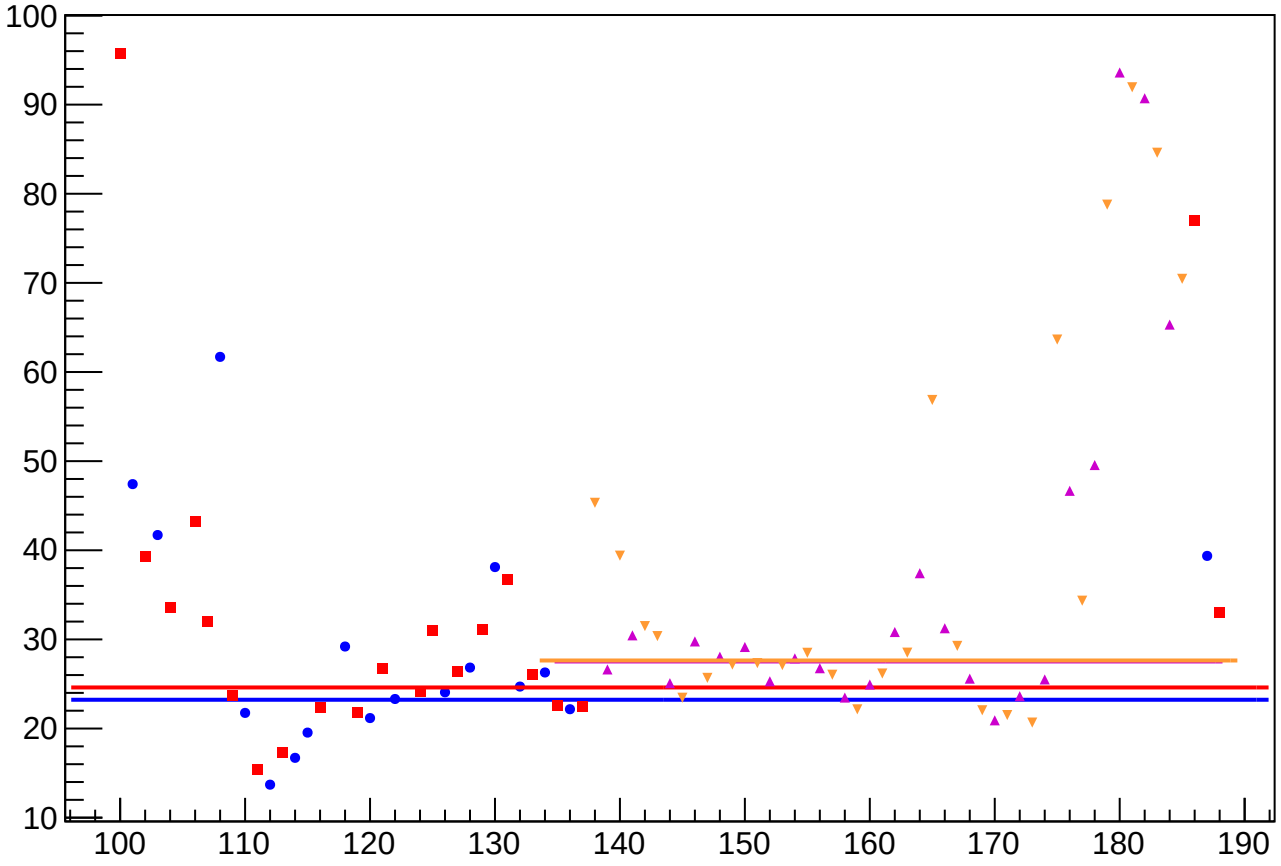
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.006 χ^2/NDF: 50.6/41

All: -0.002+/-0.004 χ^2/NDF: 102.6/85

- sign 0.002+/-0.006 χ^2/NDF: 50.8/43

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.230+/-0.007 χ^2/NDF: 1625031.7/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

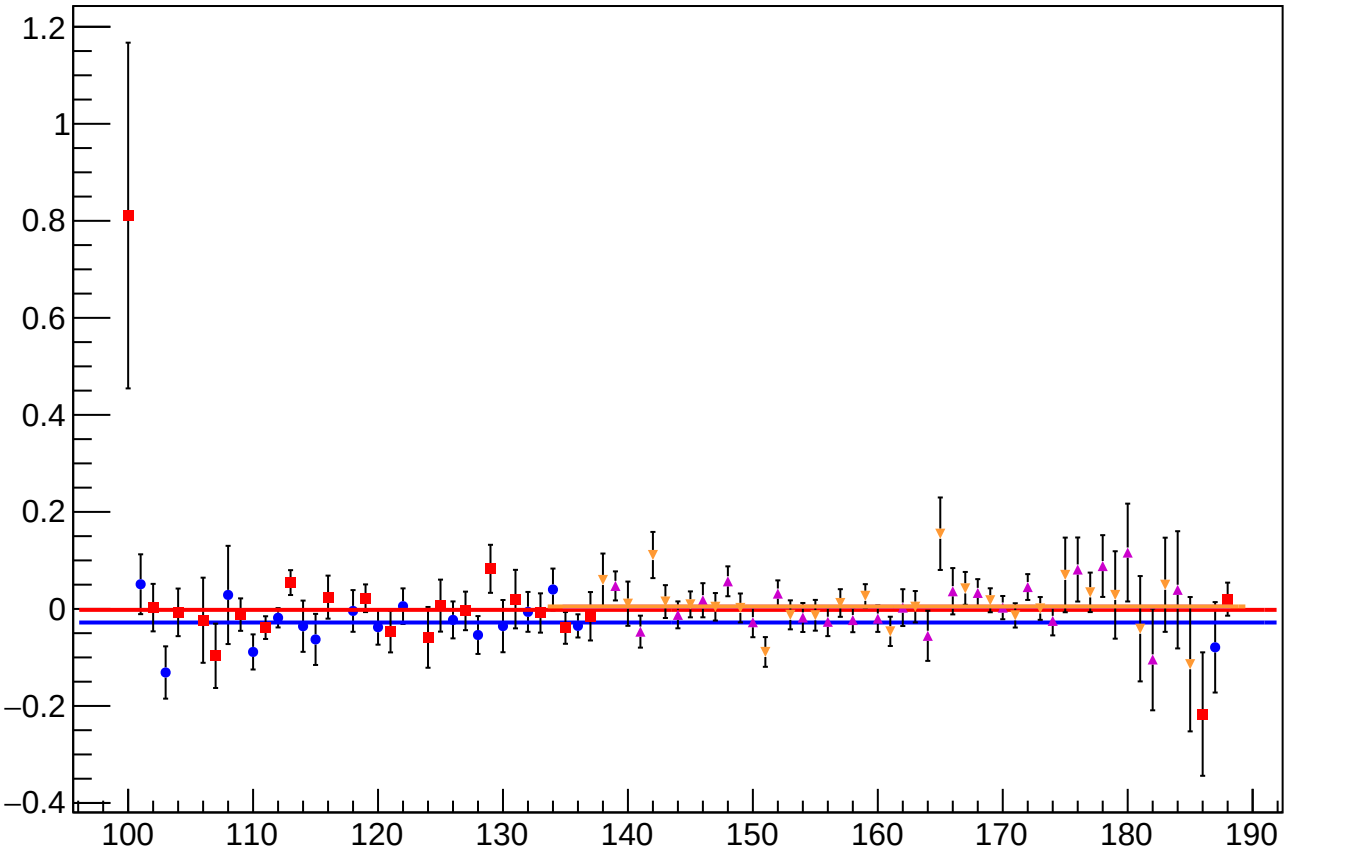
Right Out: 24.609+/-0.006 χ^2/NDF: 1569087.3/20

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.096+/-0.004 χ^2/NDF: 5888197.4/41

All: 26.259+/-0.003 χ^2/NDF: 10227321.3/85

- sign 26.420+/-0.004 χ^2/NDF: 4335665.1/43



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/16

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

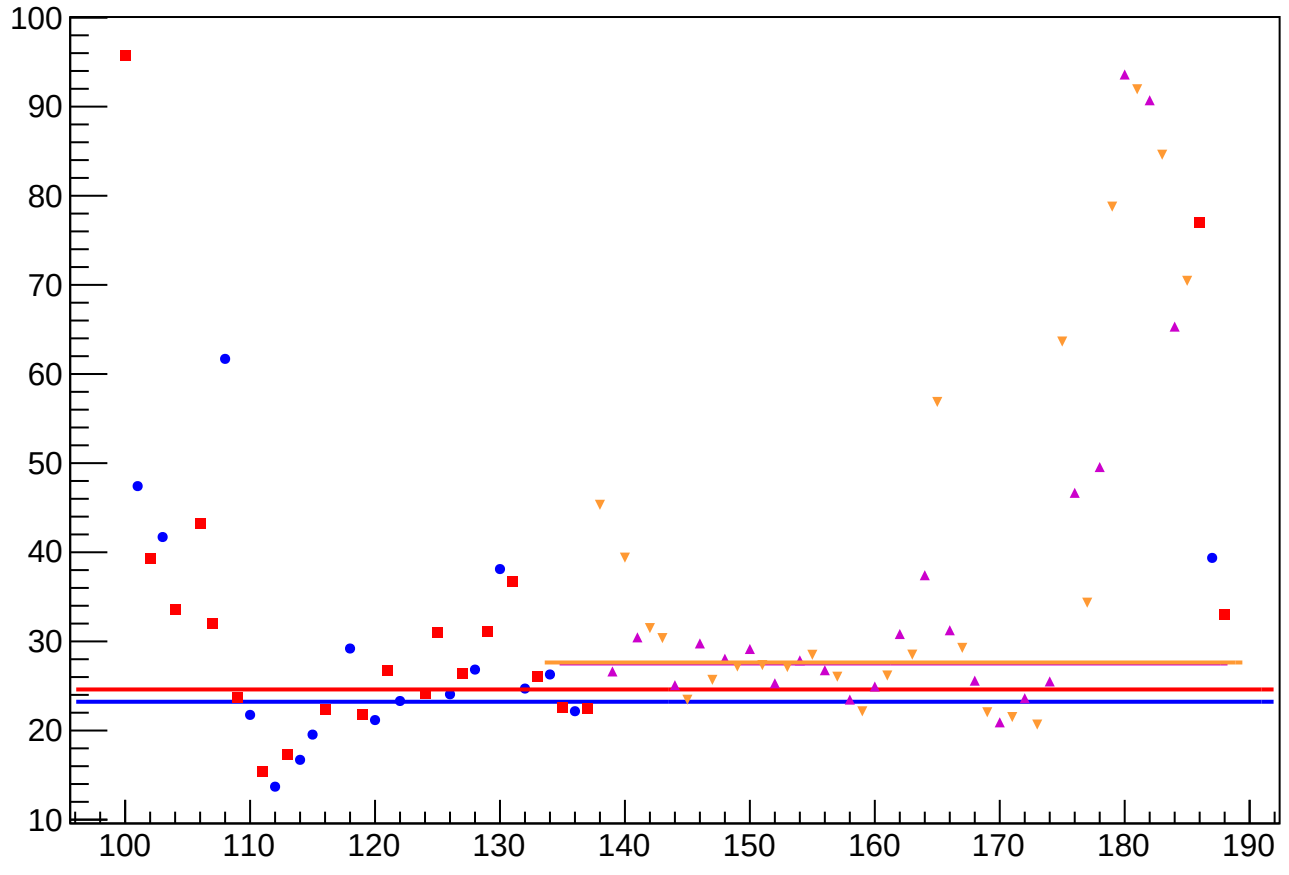
Right Out: -0.002+/-0.009 χ^2/NDF: 25.4/20

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.006 χ^2/NDF: 50.6/41

All: -0.002+/-0.004 χ^2/NDF: 102.6/85

- sign 0.002+/-0.006 χ^2/NDF: 50.8/43



Right In: 23.230+/-0.007 χ^2/NDF: 1625031.7/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

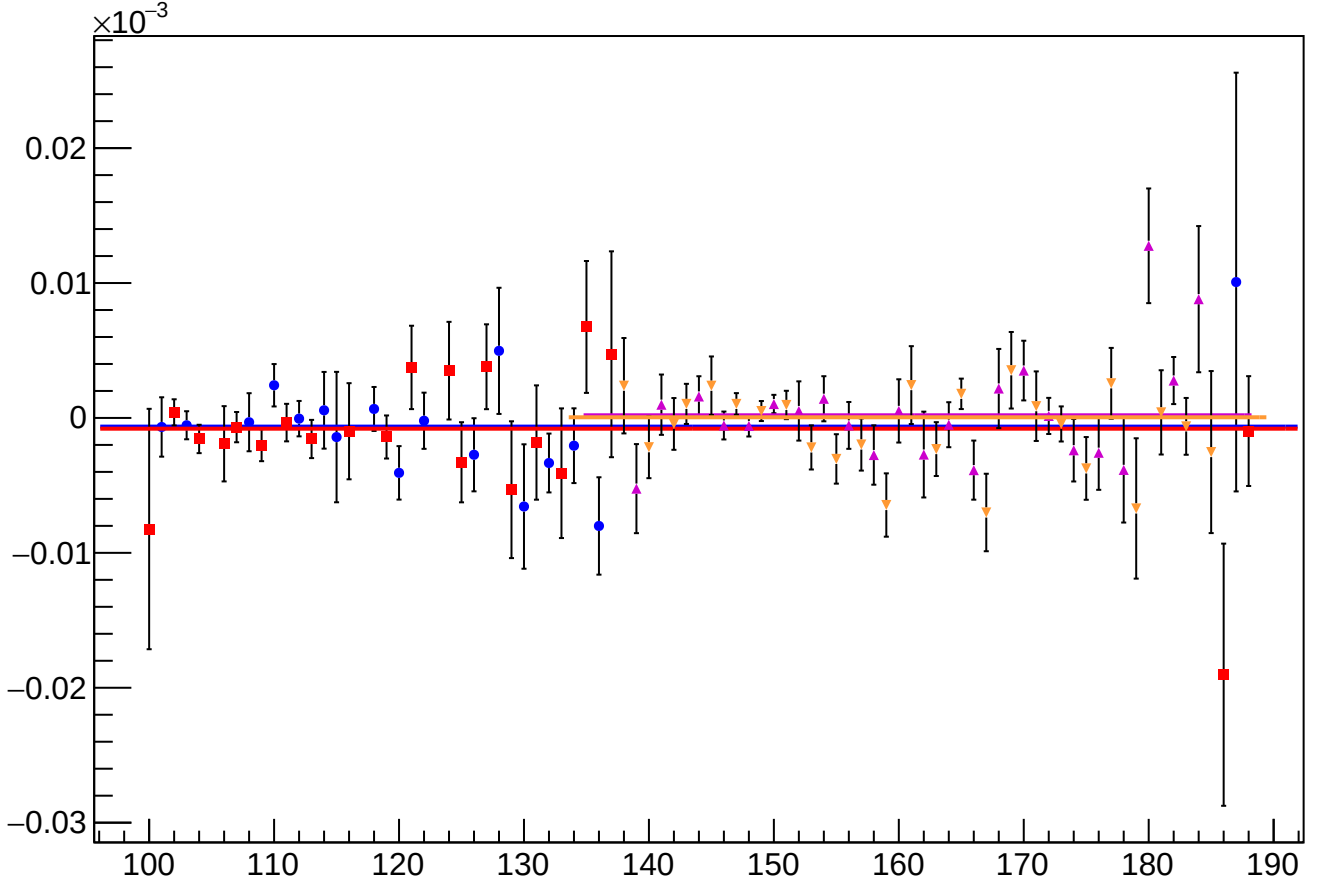
Right Out: 24.609+/-0.006 χ^2/NDF: 1569087.3/20

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.096+/-0.004 χ^2/NDF: 5888197.4/41

All: 26.259+/-0.003 χ^2/NDF: 10227321.3/85

- sign 26.420+/-0.004 χ^2/NDF: 4335665.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

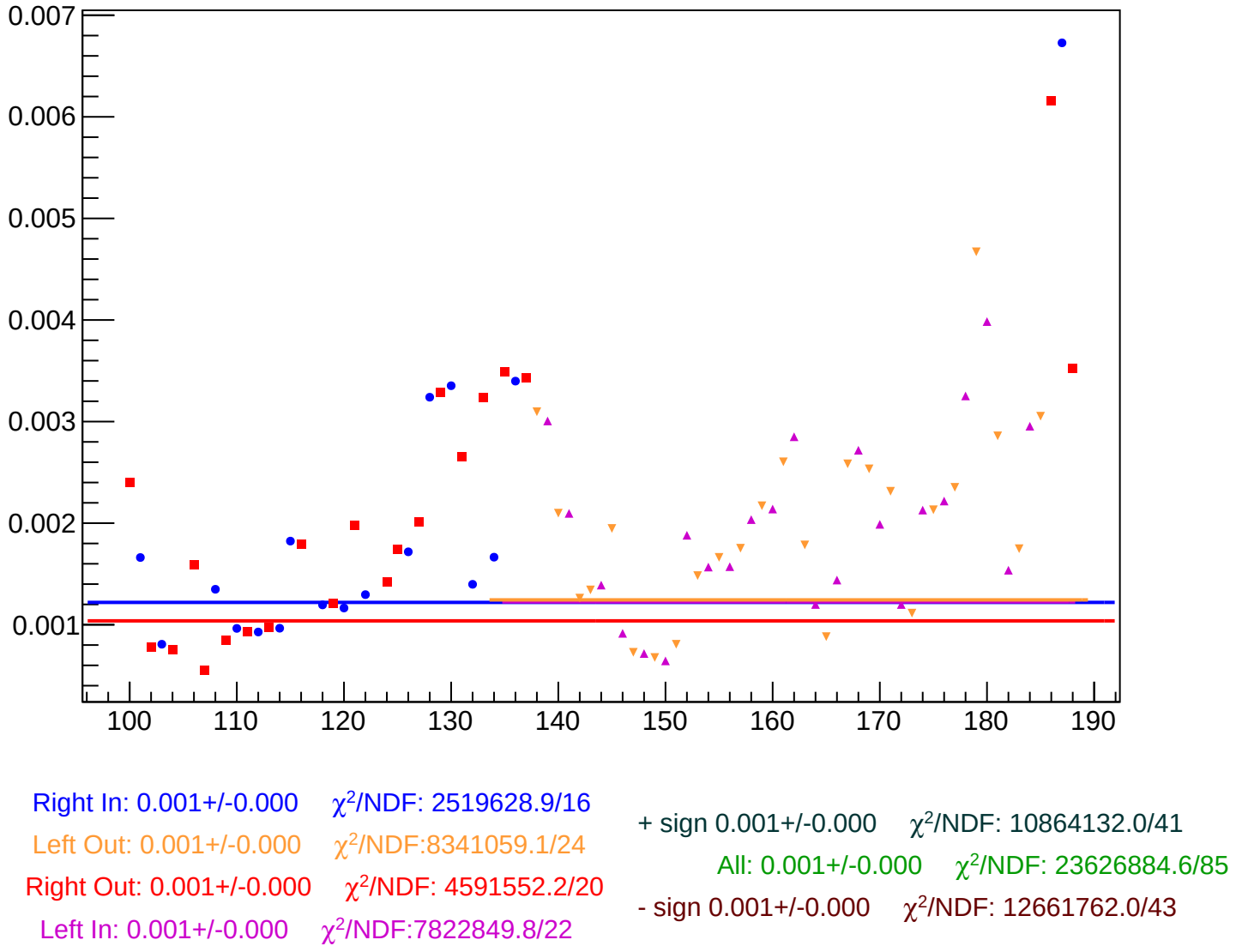
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/20

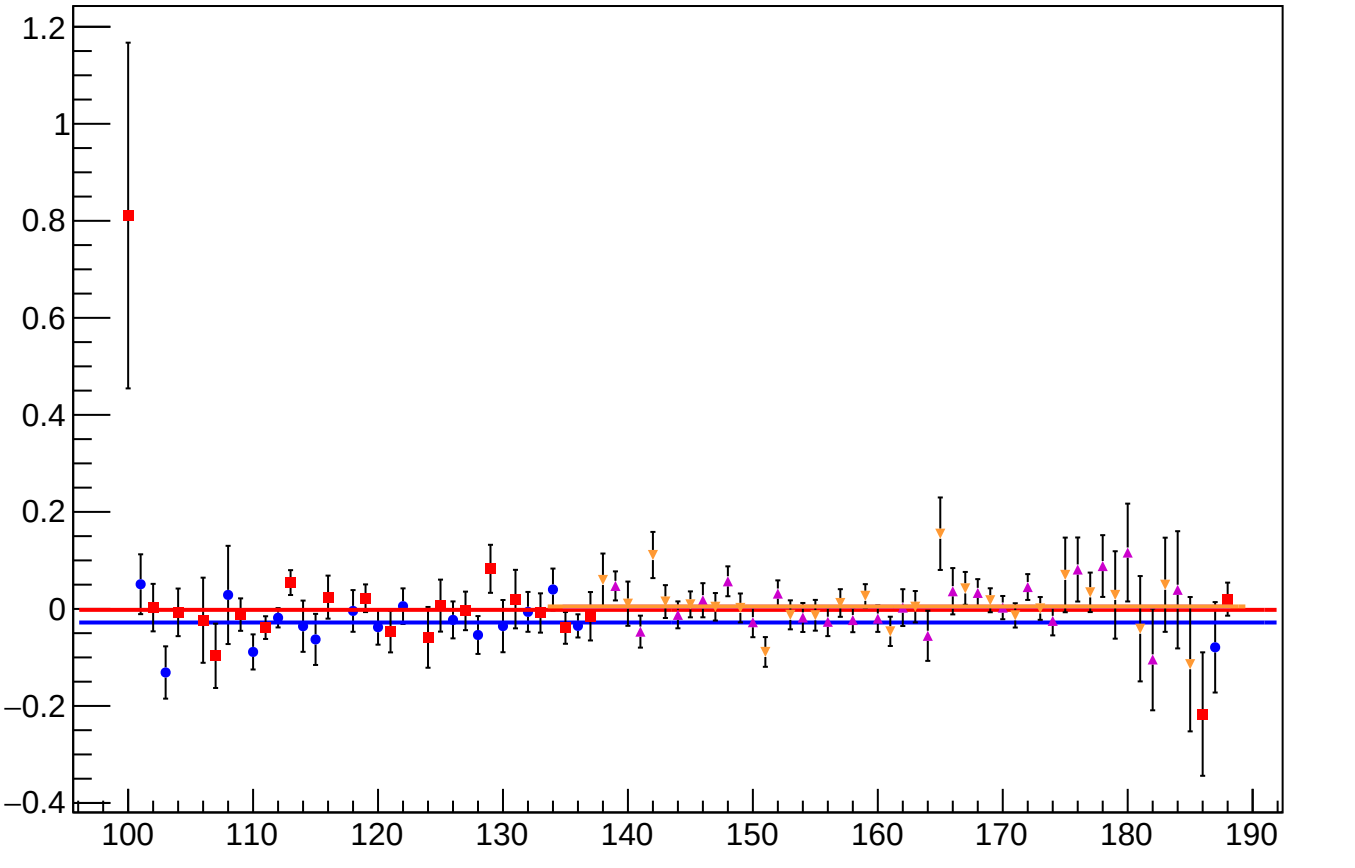
Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

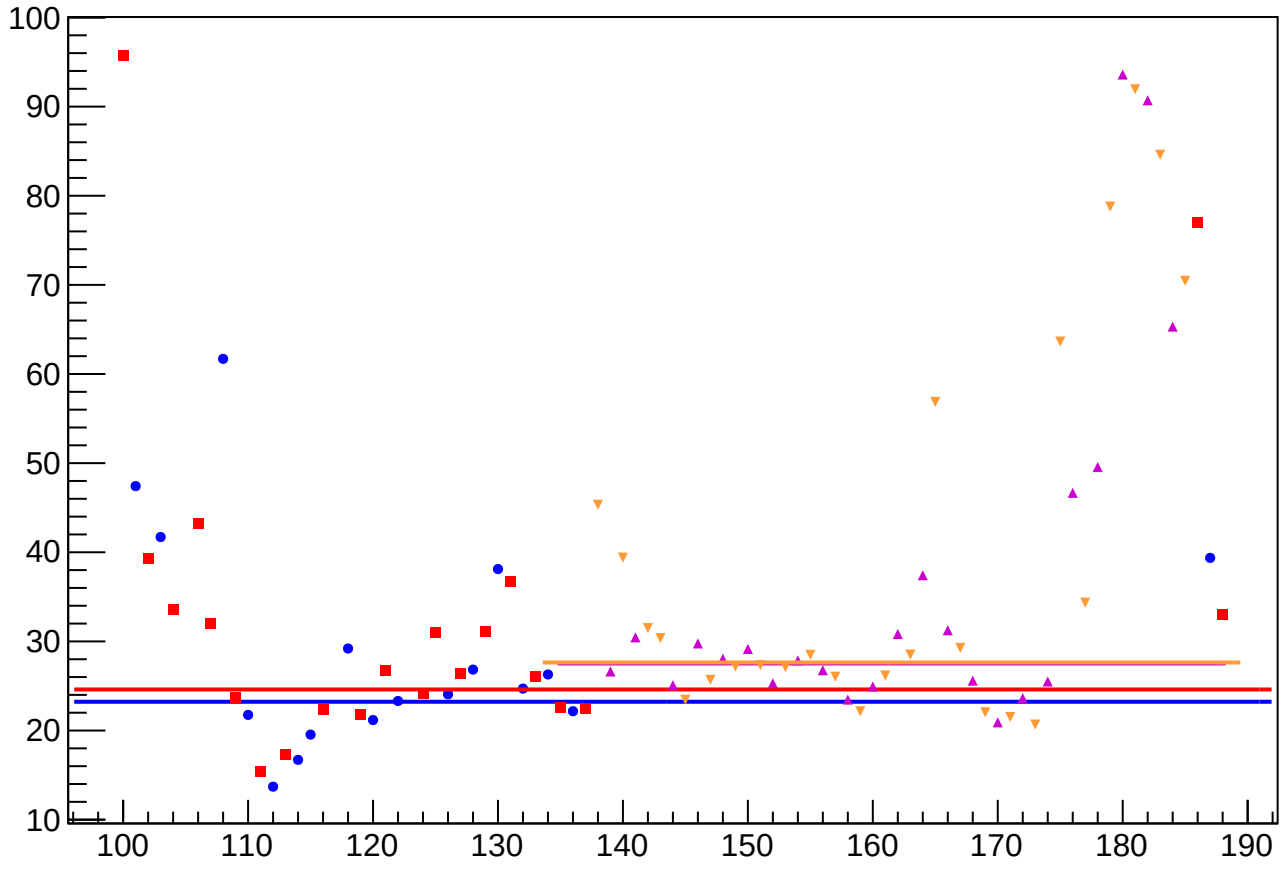
+ sign -0.000+/-0.000 χ^2/NDF: 56.4/41

All: -0.000+/-0.000 χ^2/NDF: 111.9/85

- sign -0.000+/-0.000 χ^2/NDF: 55.5/43


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 2519628.9/16
Left Out: 0.001+/-0.000 χ²/NDF:8341059.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 4591552.2/20
Left In: 0.001+/-0.000 χ²/NDF:7822849.8/22
+ sign 0.001+/-0.000 χ²/NDF: 10864132.0/41
All: 0.001+/-0.000 χ²/NDF: 23626884.6/85
- sign 0.001+/-0.000 χ²/NDF: 12661762.0/43


asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.028+/-0.009 χ²/NDF: 14.0/16
Left Out: 0.005+/-0.007 χ²/NDF:28.4/24
Right Out: -0.002+/-0.009 χ²/NDF: 25.4/20
Left In: 0.005+/-0.007 χ²/NDF:25.1/22
+ sign -0.006+/-0.006 χ²/NDF: 50.5/41
All: -0.002+/-0.004 χ²/NDF: 102.6/85
- sign 0.002+/-0.006 χ²/NDF: 50.8/43



Right In: 23.229+/-0.007 χ^2/NDF: 1625053.2/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

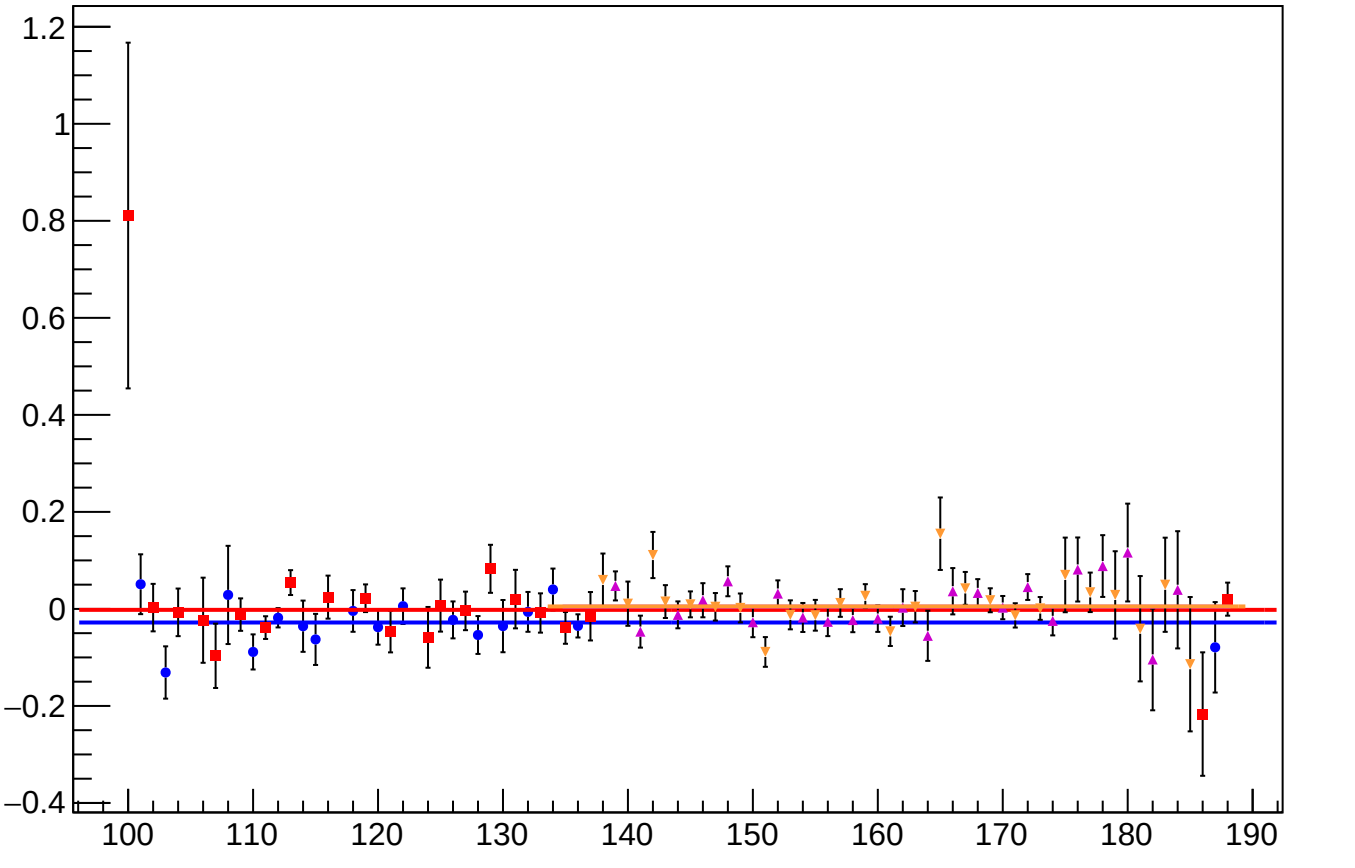
Right Out: 24.609+/-0.006 χ^2/NDF: 1569163.4/20

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.096+/-0.004 χ^2/NDF: 5888229.2/41

All: 26.259+/-0.003 χ^2/NDF: 10227433.9/85

- sign 26.420+/-0.004 χ^2/NDF: 4335748.0/43



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/16

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

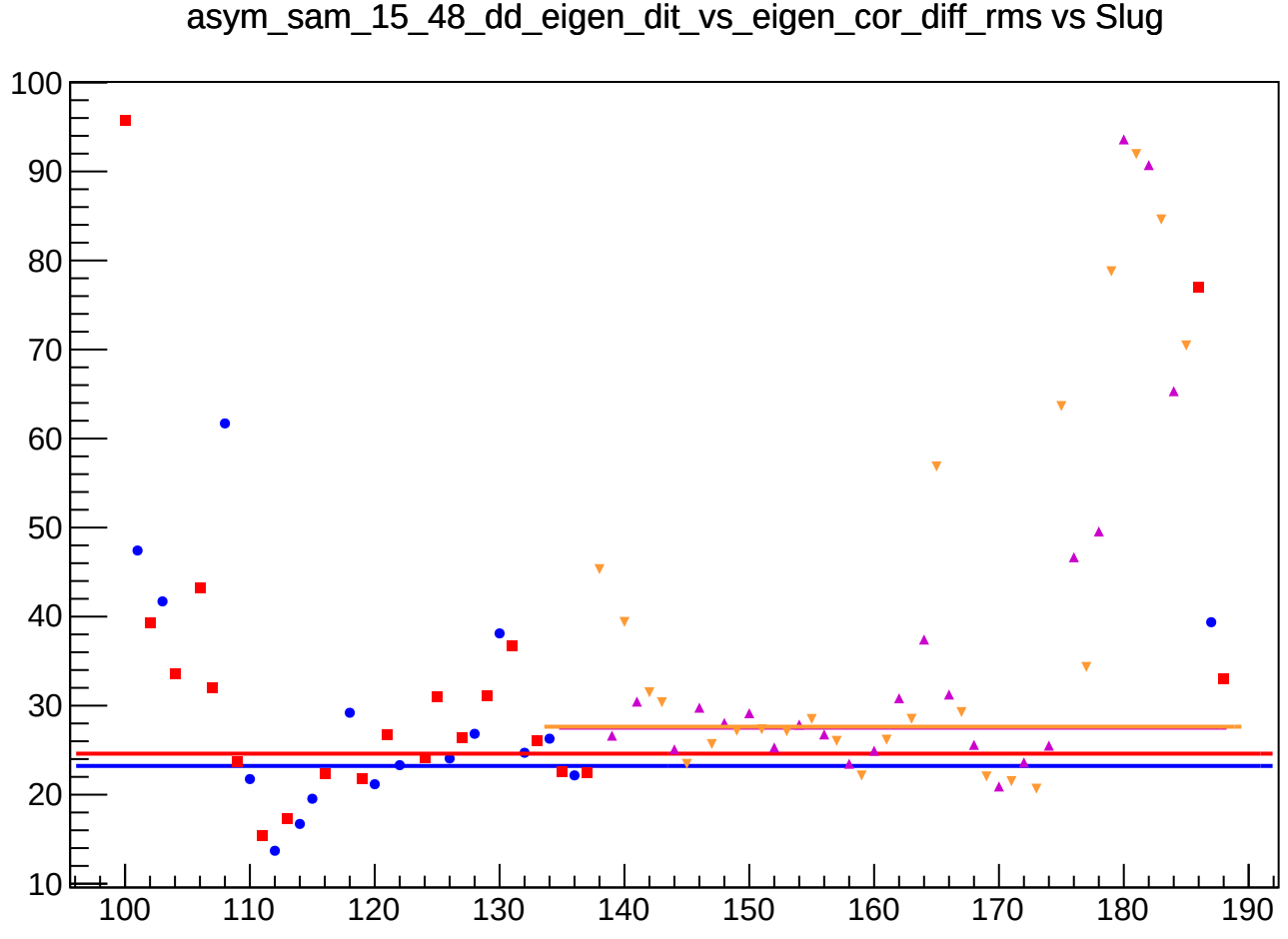
Right Out: -0.002+/-0.009 χ^2/NDF: 25.4/20

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.006 χ^2/NDF: 50.5/41

All: -0.002+/-0.004 χ^2/NDF: 102.6/85

- sign 0.002+/-0.006 χ^2/NDF: 50.8/43



Right In: 23.229+/-0.007 χ^2/NDF: 1625053.2/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

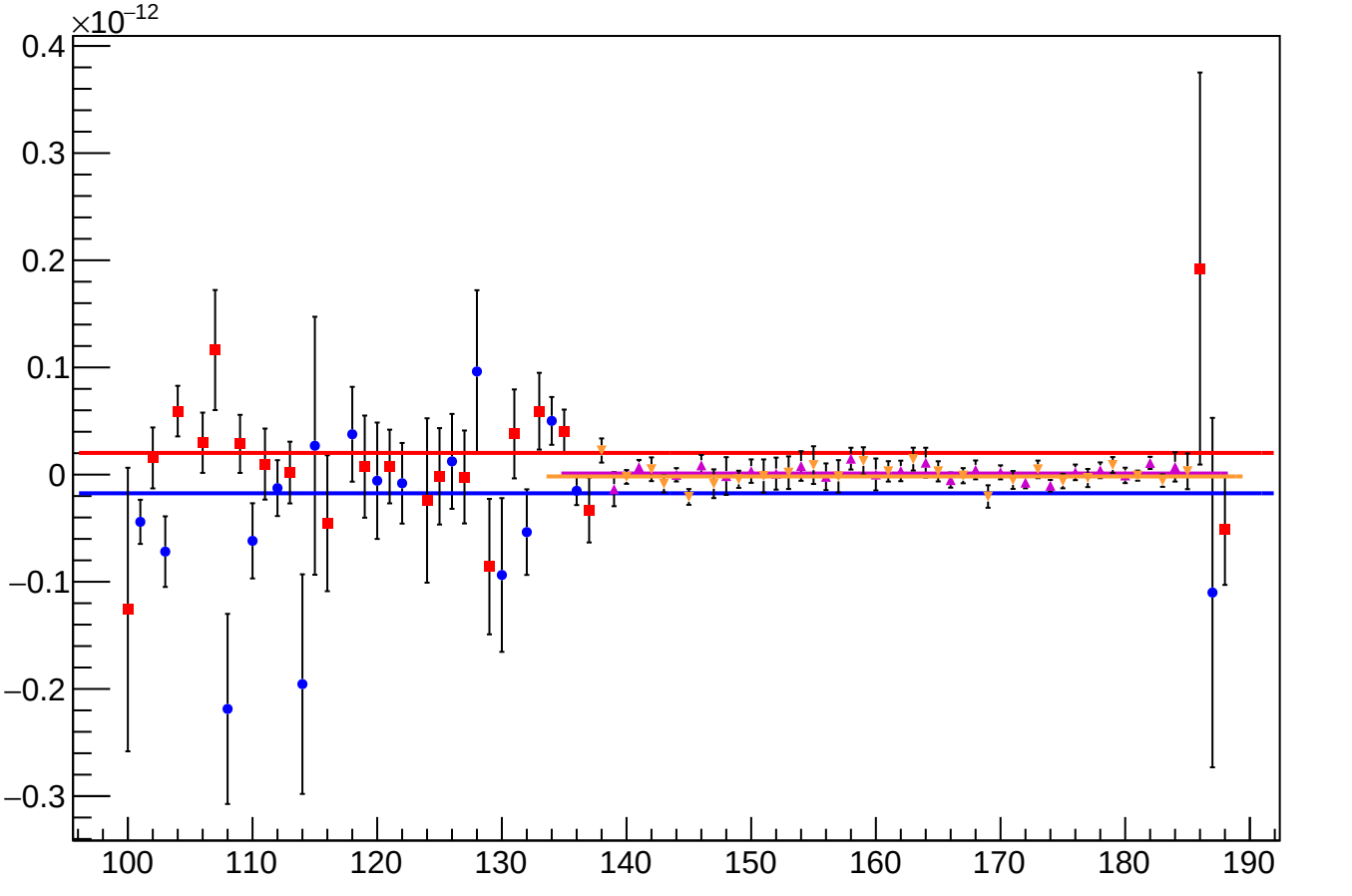
Right Out: 24.609+/-0.006 χ^2/NDF: 1569163.4/20

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.096+/-0.004 χ^2/NDF: 5888229.2/41

All: 26.259+/-0.003 χ^2/NDF: 10227433.9/85

- sign 26.420+/-0.004 χ^2/NDF: 4335748.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

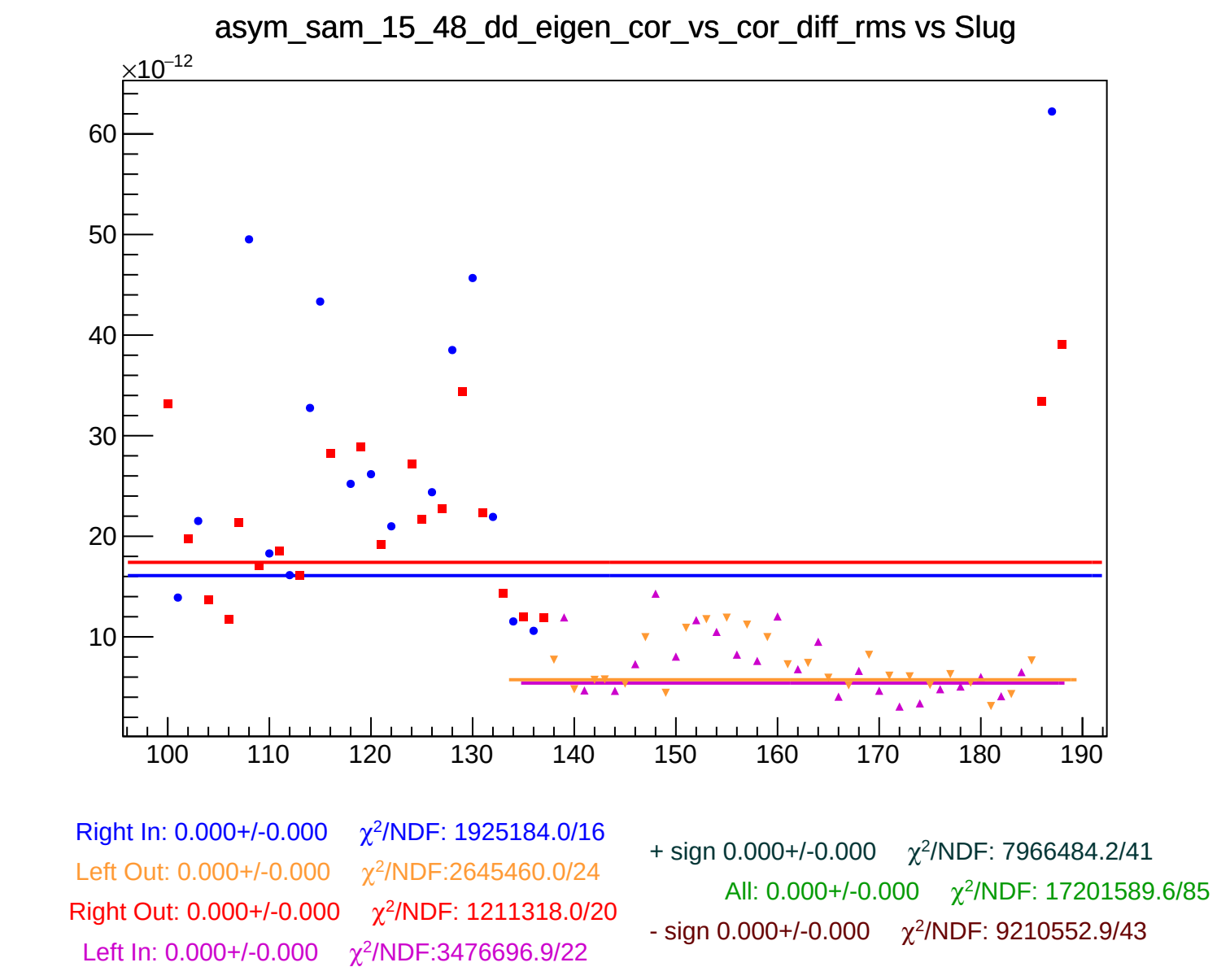
Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/20

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.5/41

All: -0.000+/-0.000 χ^2/NDF: 105.1/85

- sign 0.000+/-0.000 χ^2/NDF: 43.2/43


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
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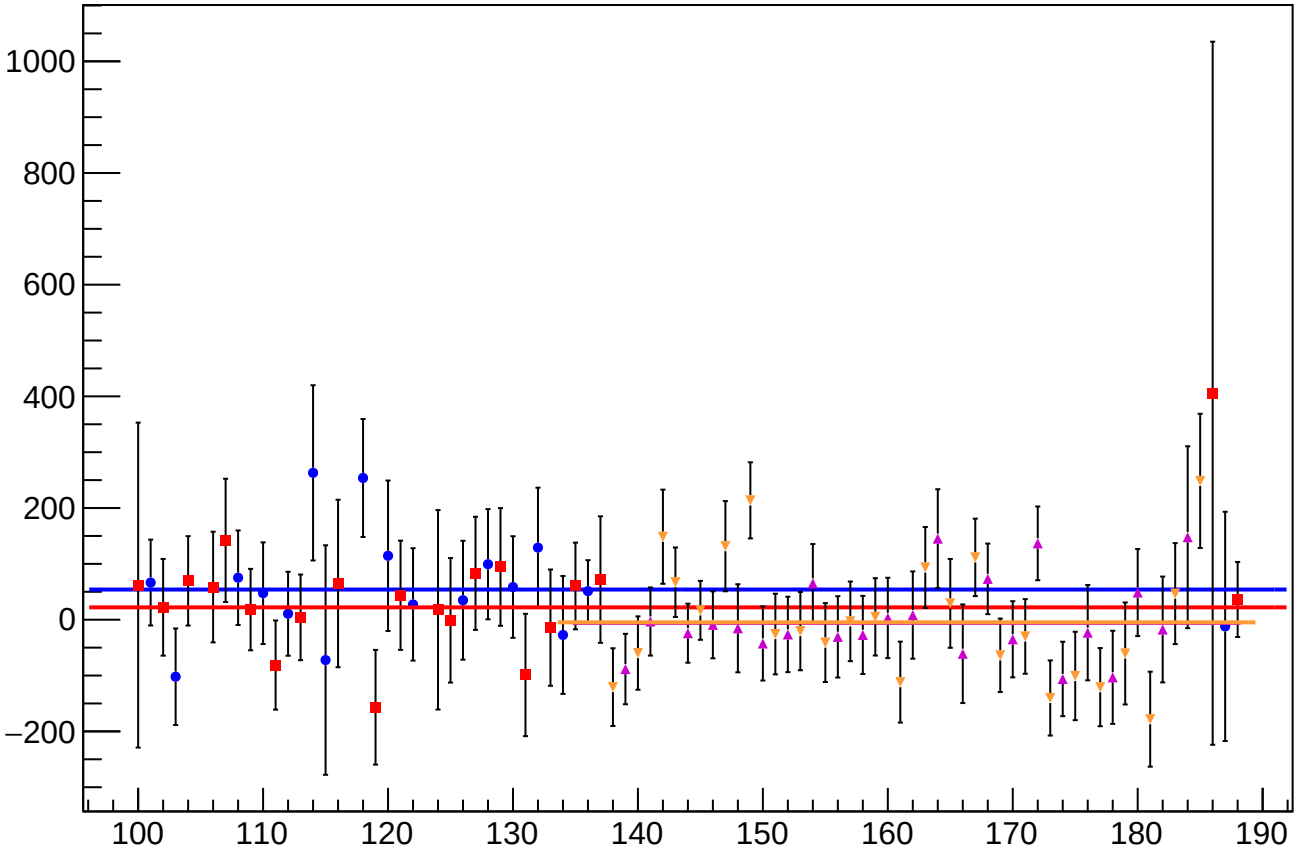
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1925184.0/16
Left Out: 0.000+/-0.000 χ²/NDF:2645460.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1211318.0/20
Left In: 0.000+/-0.000 χ²/NDF:3476696.9/22
+ sign 0.000+/-0.000 χ²/NDF: 7966484.2/41
All: 0.000+/-0.000 χ²/NDF: 17201589.6/85
- sign 0.000+/-0.000 χ²/NDF: 9210552.9/43

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.042+/-23.032 χ^2/NDF: 11.1/16

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 22.110+/-21.384 χ^2/NDF: 9.7/20

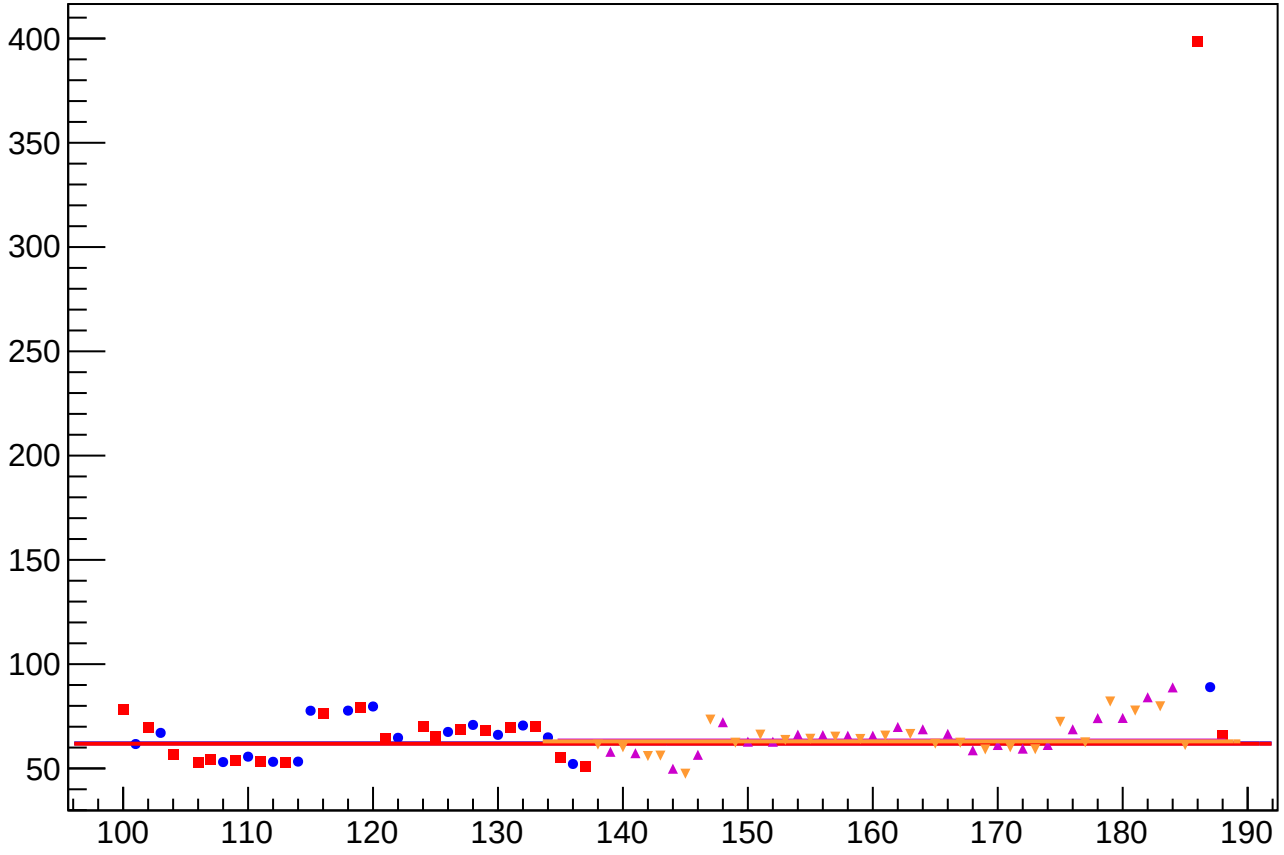
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 11.830+/-12.229 χ^2/NDF: 63.2/41

All: 7.601+/-8.652 χ^2/NDF: 92.5/85

- sign 3.363+/-12.242 χ^2/NDF: 29.1/43

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.017+/-0.016 χ^2/NDF: 302049.1/16

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

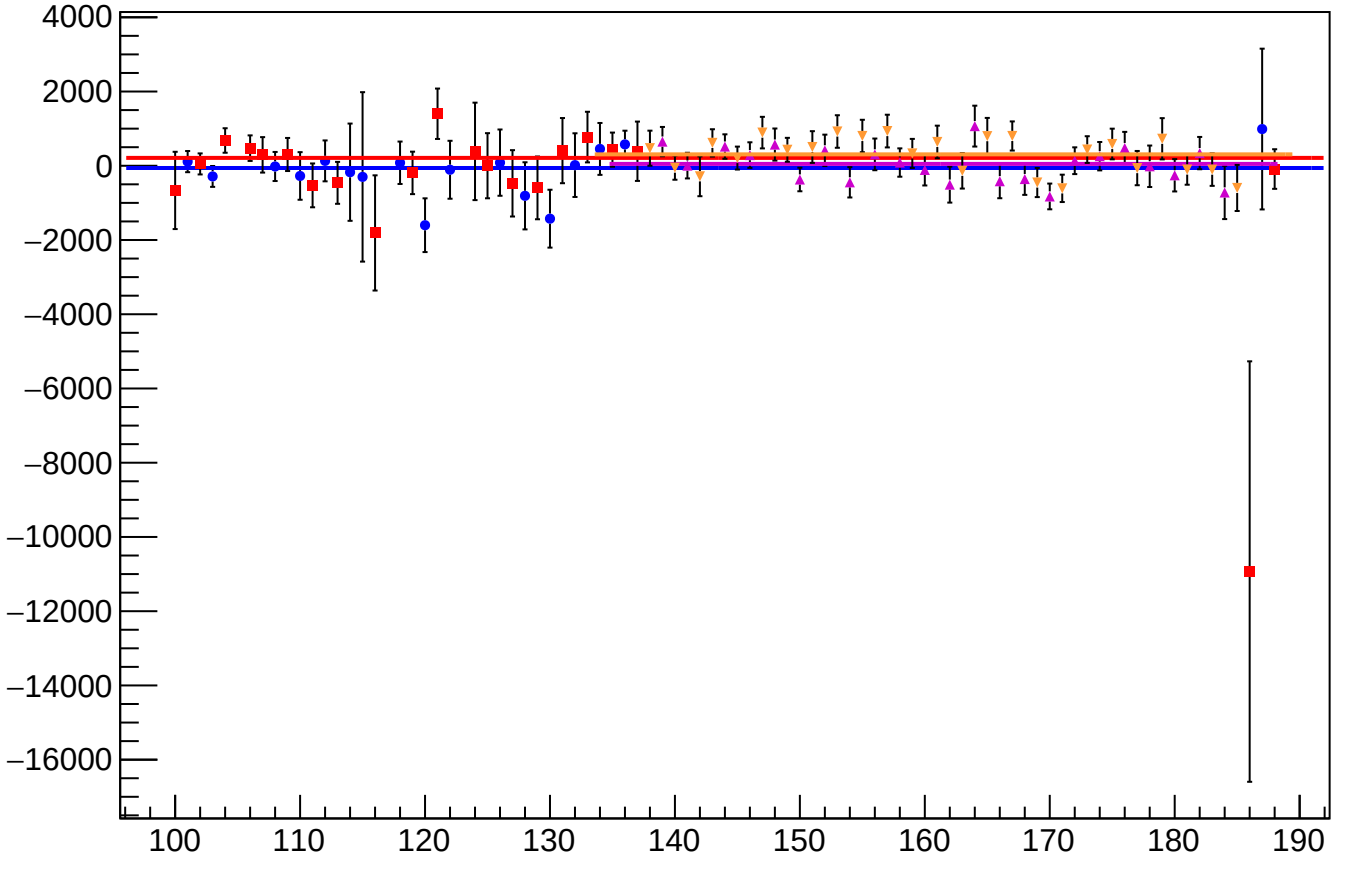
Right Out: 61.846+/-0.015 χ^2/NDF: 866080.4/20

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.706+/-0.009 χ^2/NDF: 831401.2/41

All: 62.786+/-0.006 χ^2/NDF: 2201369.6/85

- sign 62.867+/-0.009 χ^2/NDF: 1369793.7/43



Right In: -60.073+/-129.442 χ^2/NDF: 13.4/16

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 212.065+/-119.636 χ^2/NDF: 18.7/20

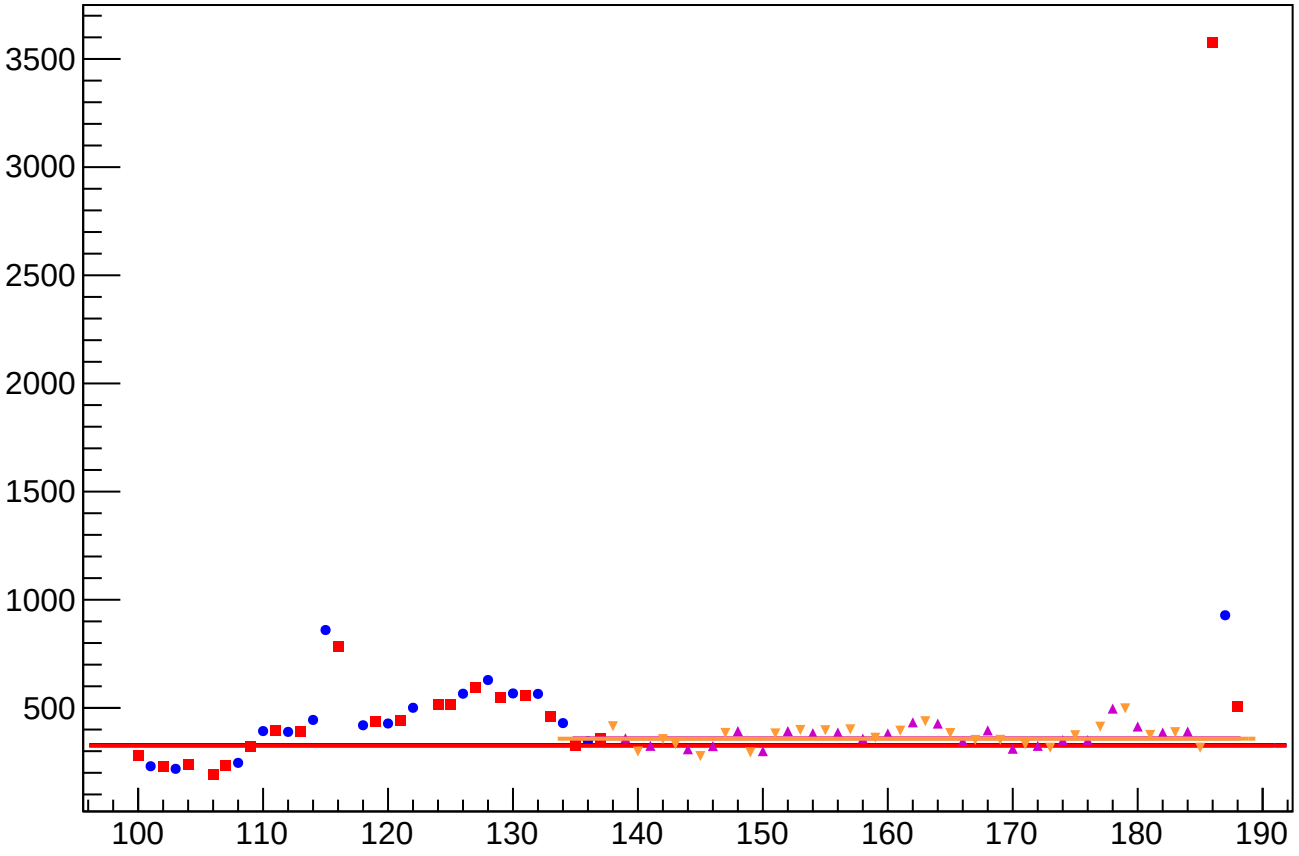
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 201.347+/-69.488 χ^2/NDF: 49.8/41

All: 152.599+/-49.035 χ^2/NDF: 98.0/85

- sign 104.248+/-69.204 χ^2/NDF: 47.2/43

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 328.299+/-0.092 χ^2/NDF: 1888134.3/16

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 324.939+/-0.085 χ^2/NDF: 2700702.0/20

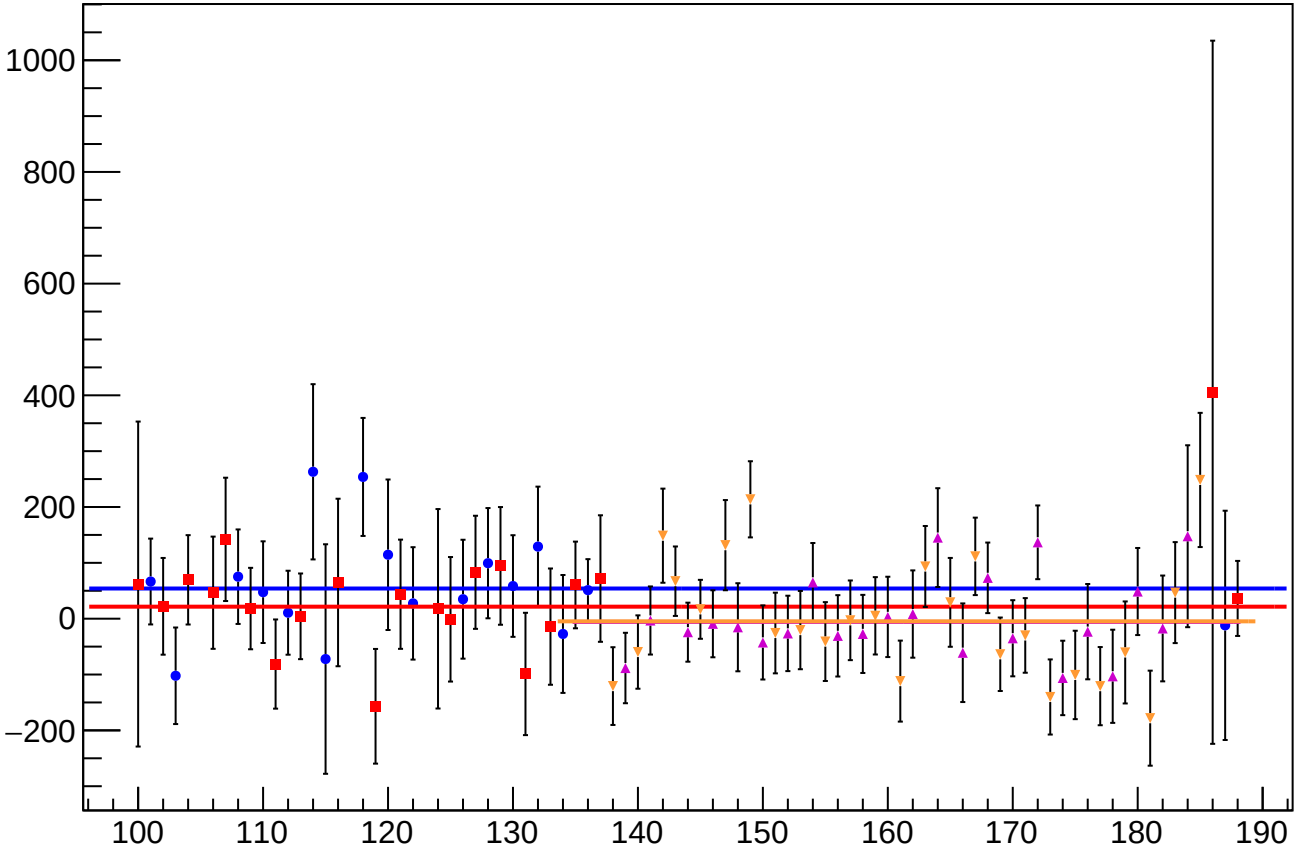
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 349.250+/-0.049 χ^2/NDF: 2645467.2/41

All: 348.540+/-0.035 χ^2/NDF: 5976441.9/85

- sign 347.836+/-0.049 χ^2/NDF: 3330559.0/43

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.036+/-23.032 χ^2/NDF: 11.1/16

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 21.514+/-21.398 χ^2/NDF: 9.6/20

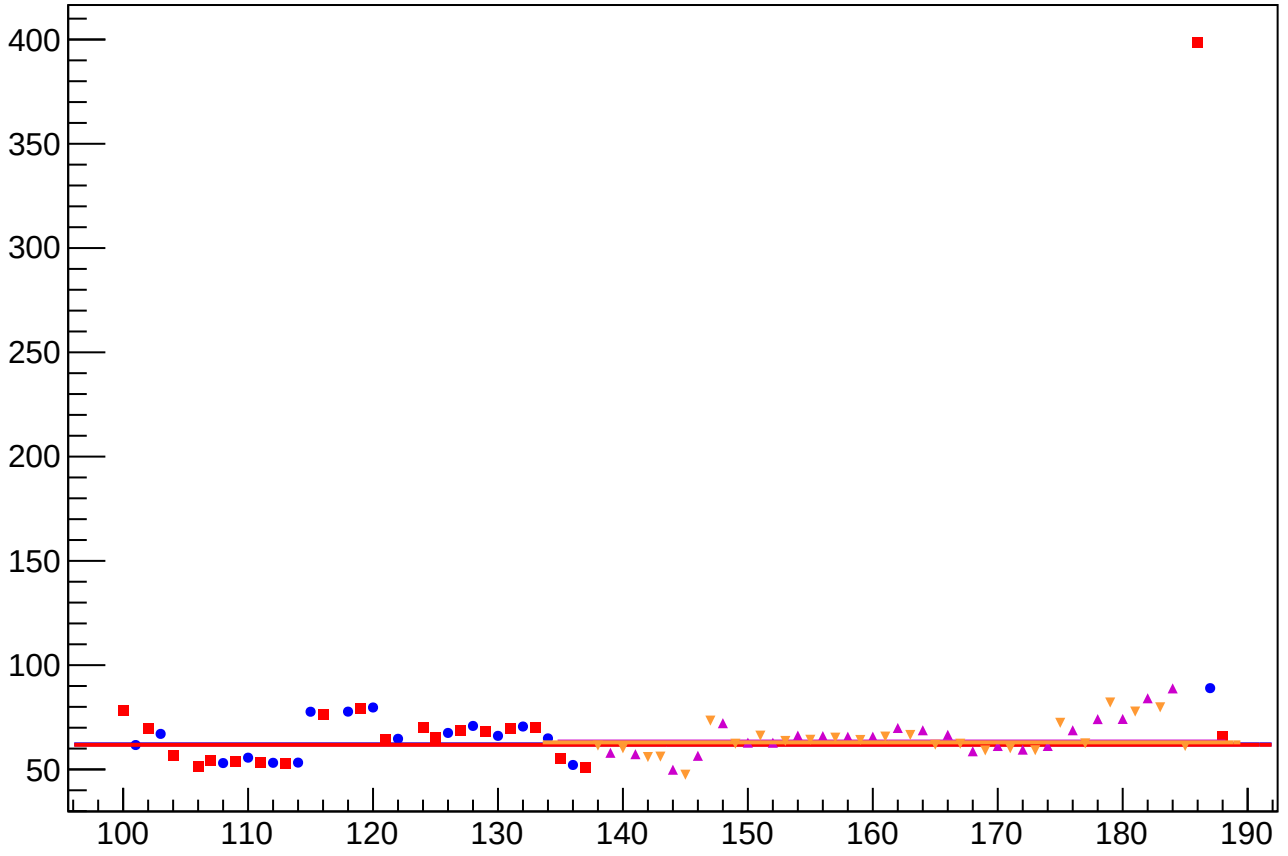
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 11.824+/-12.229 χ^2/NDF: 63.2/41

All: 7.498+/-8.653 χ^2/NDF: 92.4/85

- sign 3.161+/-12.245 χ^2/NDF: 29.0/43

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.017+/-0.016 χ^2/NDF: 302049.2/16

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

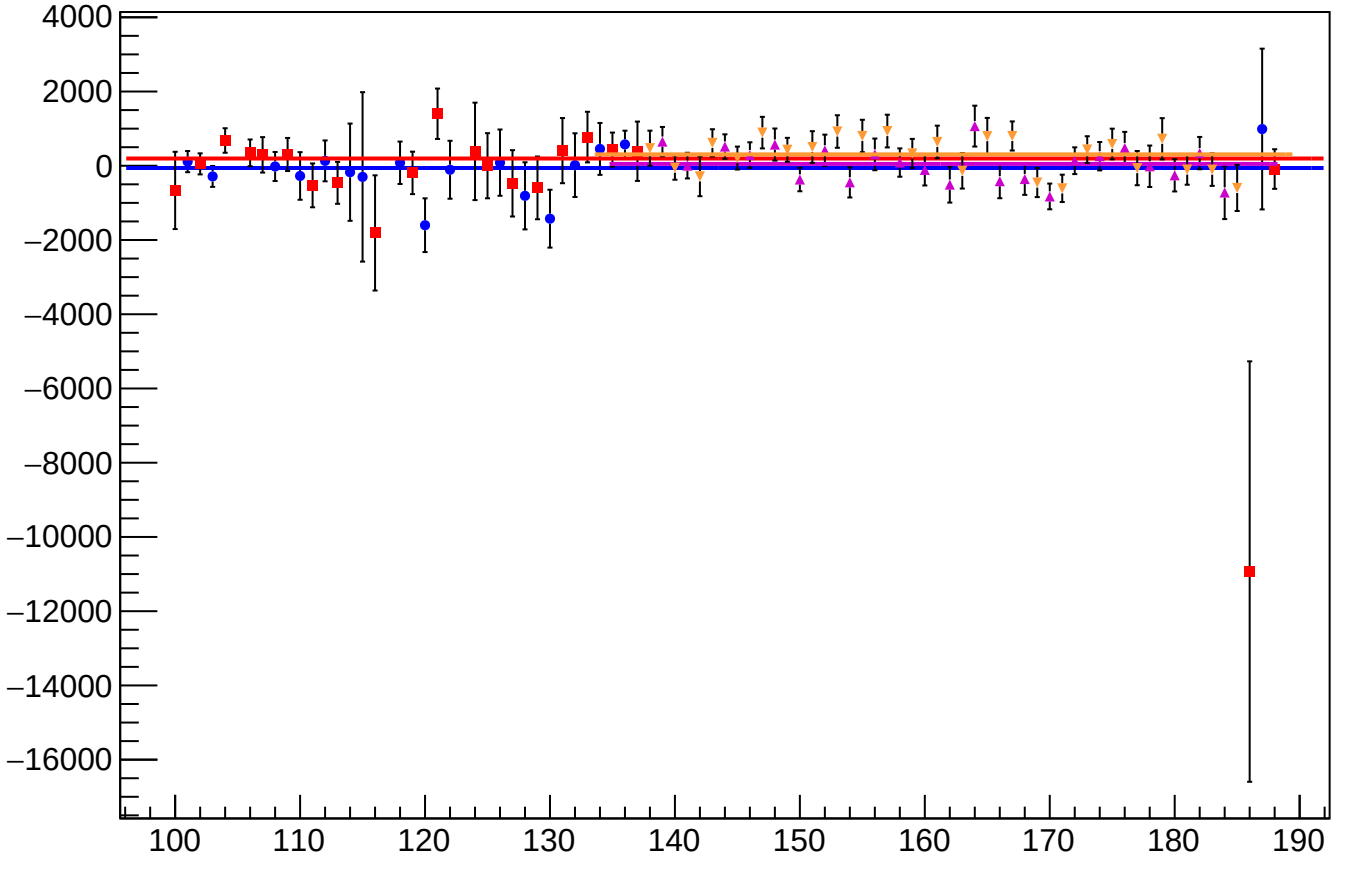
Right Out: 61.811+/-0.015 χ^2/NDF: 869754.8/20

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.706+/-0.009 χ^2/NDF: 831401.4/41

All: 62.781+/-0.006 χ^2/NDF: 2205335.4/85

- sign 62.856+/-0.009 χ^2/NDF: 1373782.6/43



Right In: -60.059+/-129.443 χ^2/NDF: 13.4/16

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 195.427+/-120.284 χ^2/NDF: 18.3/20

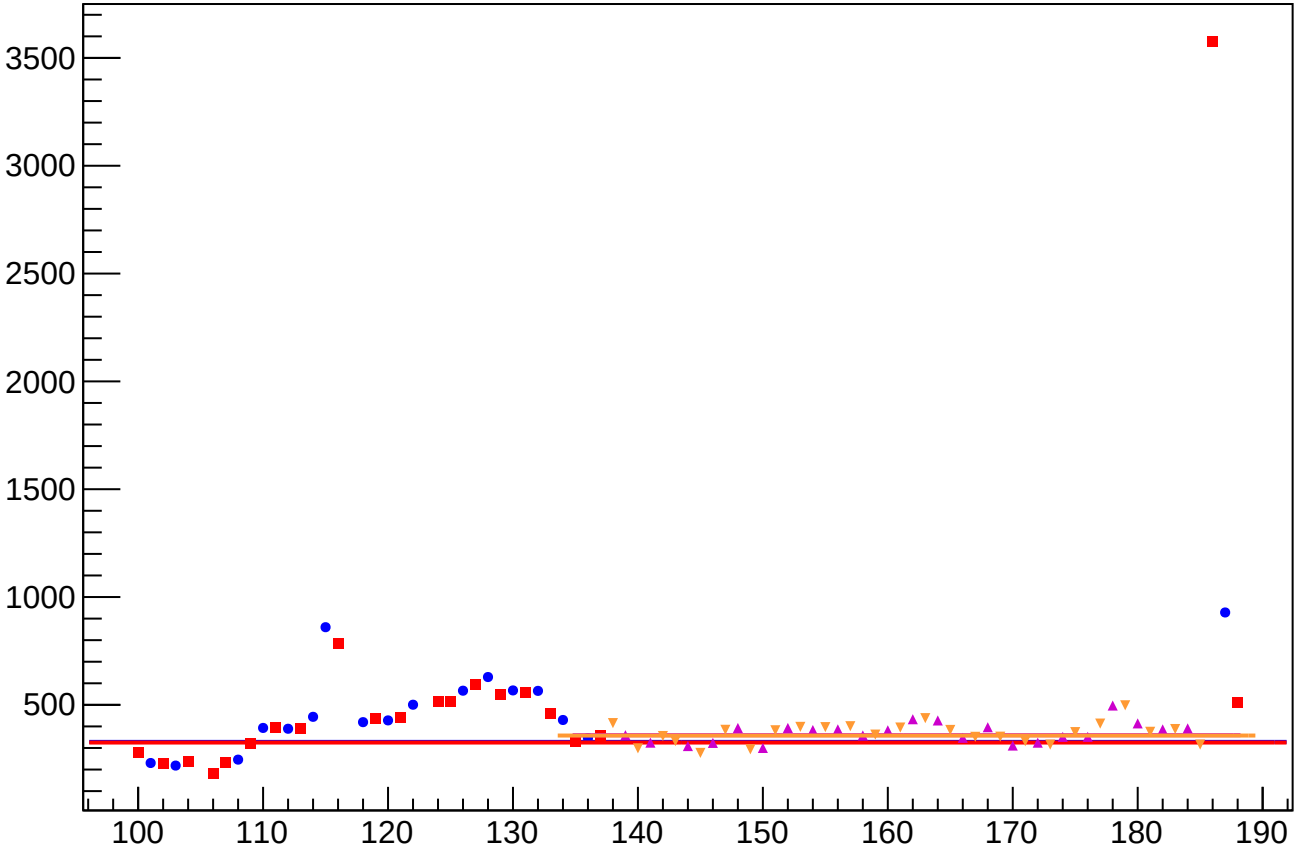
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 201.348+/-69.488 χ^2/NDF: 49.8/41

All: 149.721+/-49.079 χ^2/NDF: 97.4/85

- sign 98.331+/-69.328 χ^2/NDF: 46.5/43

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 328.302+/-0.092 χ^2/NDF: 1888071.8/16

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 325.240+/-0.085 χ^2/NDF: 2718377.0/20

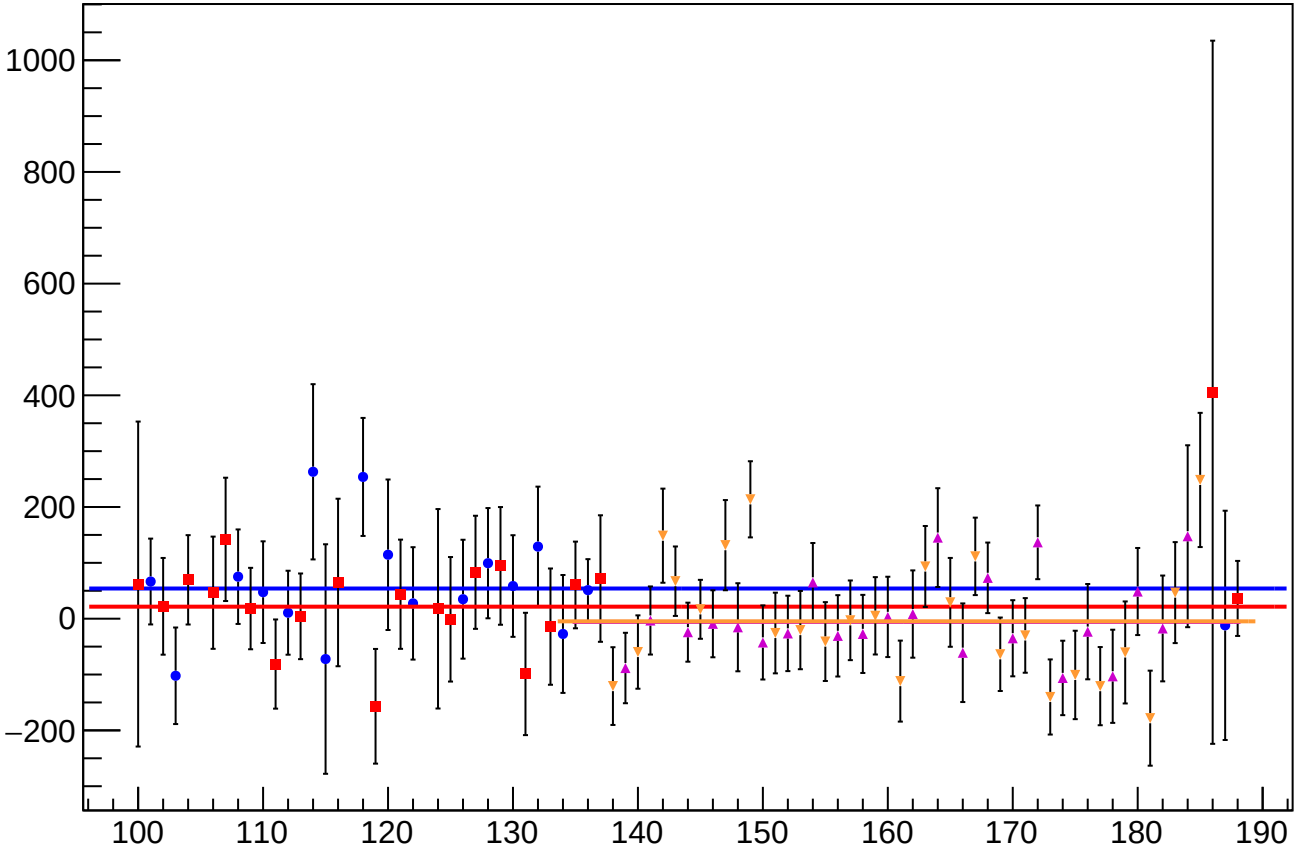
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 349.251+/-0.049 χ^2/NDF: 2645386.1/41

All: 348.633+/-0.035 χ^2/NDF: 5991242.7/85

- sign 348.019+/-0.049 χ^2/NDF: 3345541.4/43

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.036+/-23.032 χ^2/NDF: 11.1/16

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 21.514+/-21.398 χ^2/NDF: 9.6/20

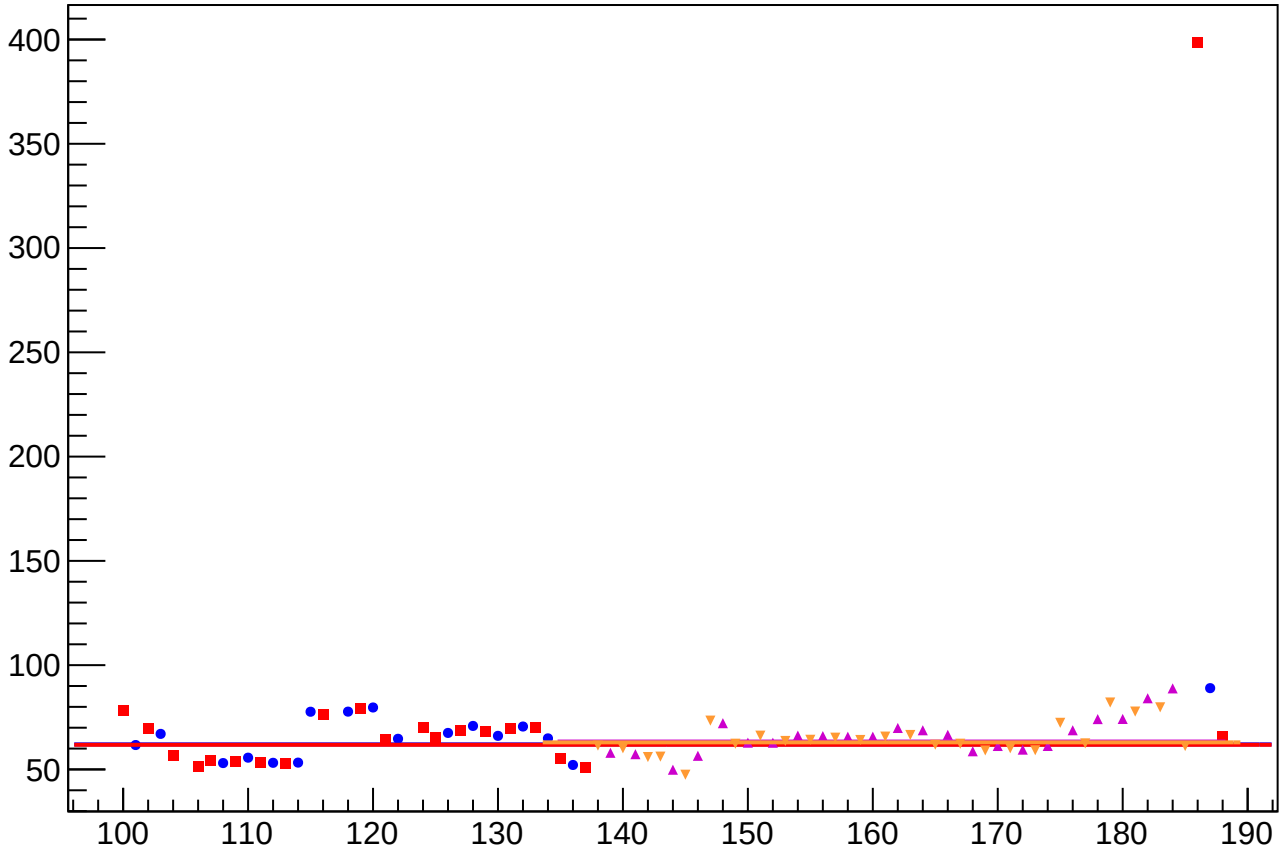
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 11.824+/-12.229 χ^2/NDF: 63.2/41

All: 7.498+/-8.653 χ^2/NDF: 92.4/85

- sign 3.161+/-12.245 χ^2/NDF: 29.0/43

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.017+/-0.016 χ^2/NDF: 302049.2/16

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

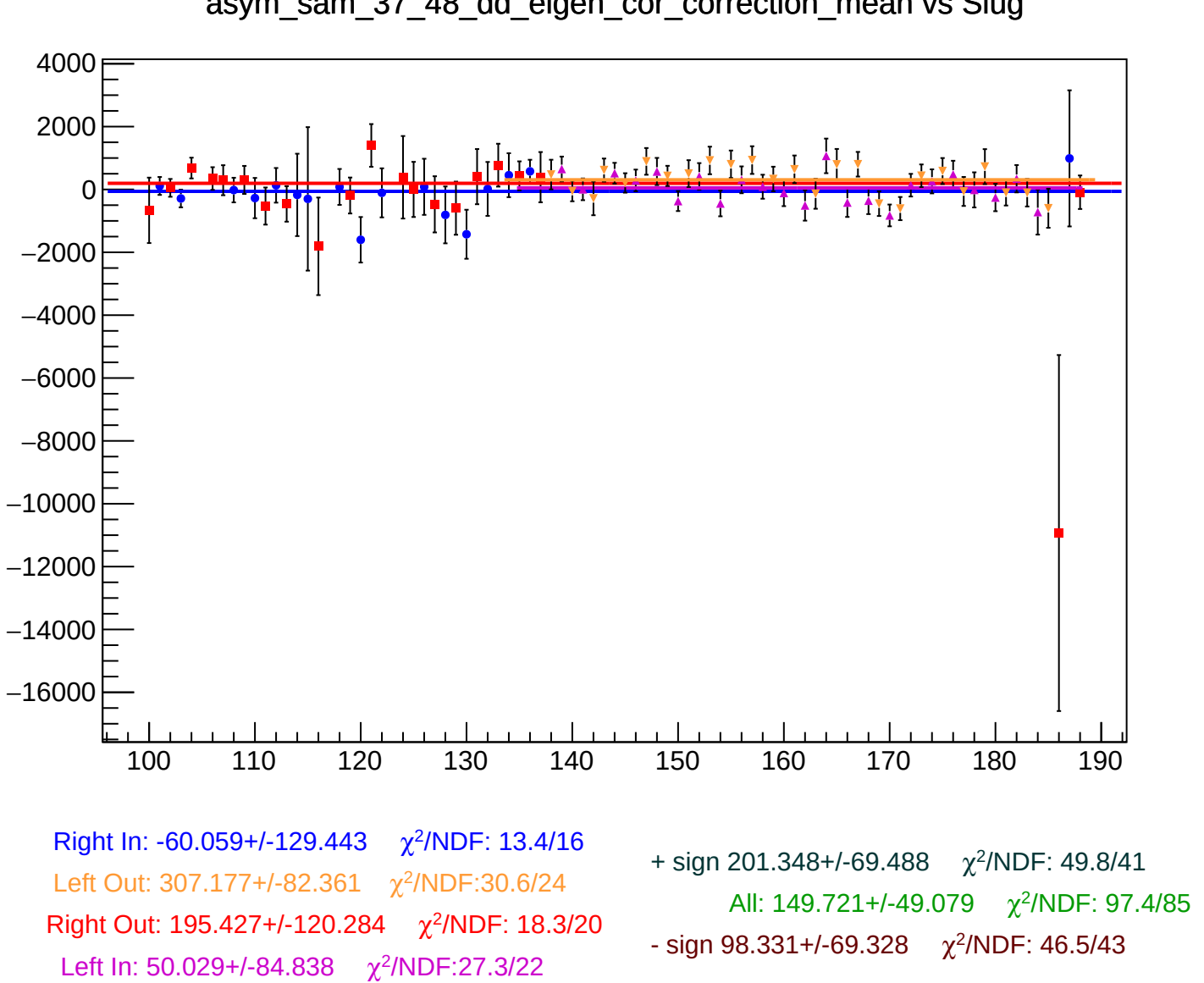
Right Out: 61.811+/-0.015 χ^2/NDF: 869754.8/20

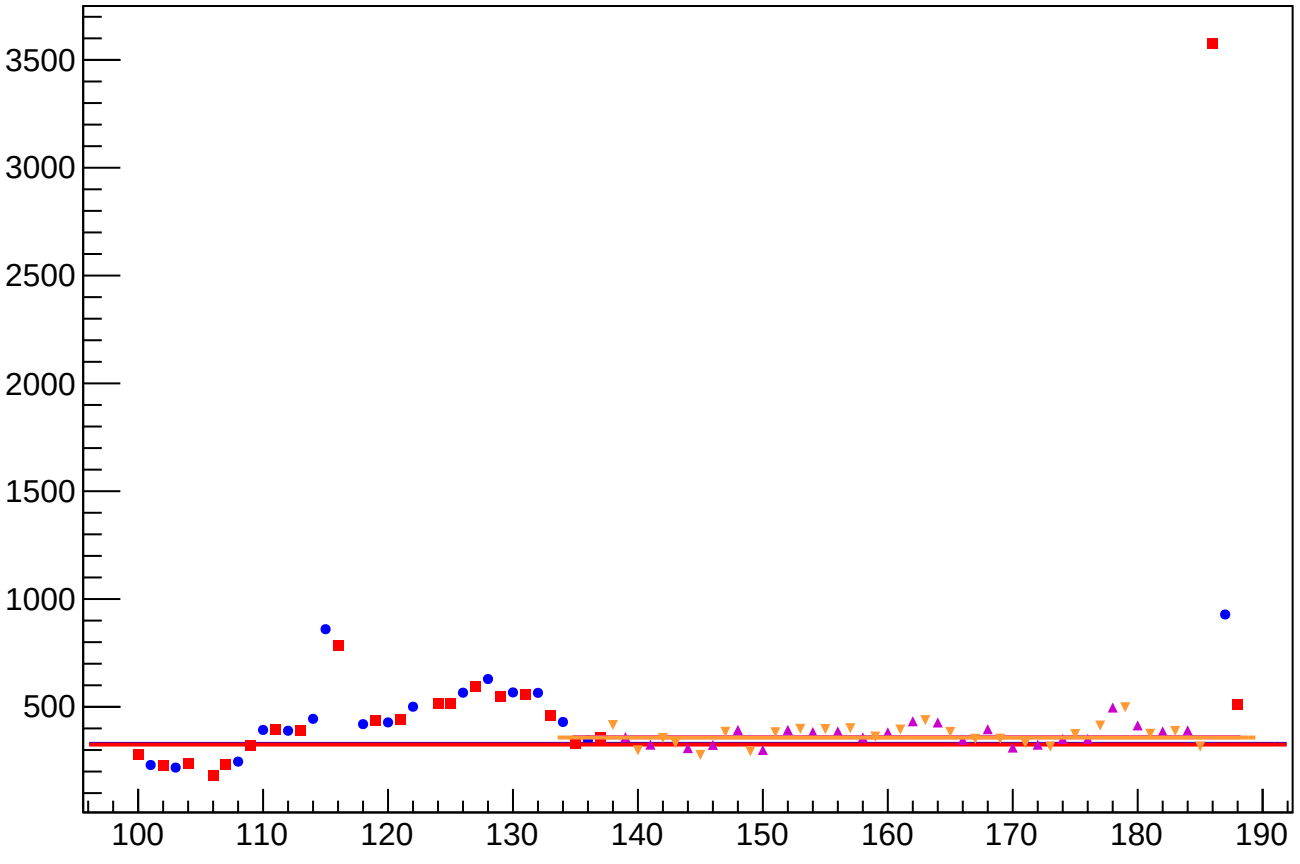
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.706+/-0.009 χ^2/NDF: 831401.4/41

All: 62.781+/-0.006 χ^2/NDF: 2205335.4/85

- sign 62.856+/-0.009 χ^2/NDF: 1373782.6/43


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
100
110
120
130
140
150
160
170
180
190
Right In: -60.059+/-129.443 χ²/NDF: 13.4/16
Left Out: 307.177+/-82.361 χ²/NDF:30.6/24
Right Out: 195.427+/-120.284 χ²/NDF: 18.3/20
Left In: 50.029+/-84.838 χ²/NDF:27.3/22
+ sign 201.348+/-69.488 χ²/NDF: 49.8/41
All: 149.721+/-49.079 χ²/NDF: 97.4/85
- sign 98.331+/-69.328 χ²/NDF: 46.5/43



Right In: 328.302+/-0.092 χ^2/NDF: 1888071.8/16

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 325.240+/-0.085 χ^2/NDF: 2718377.0/20

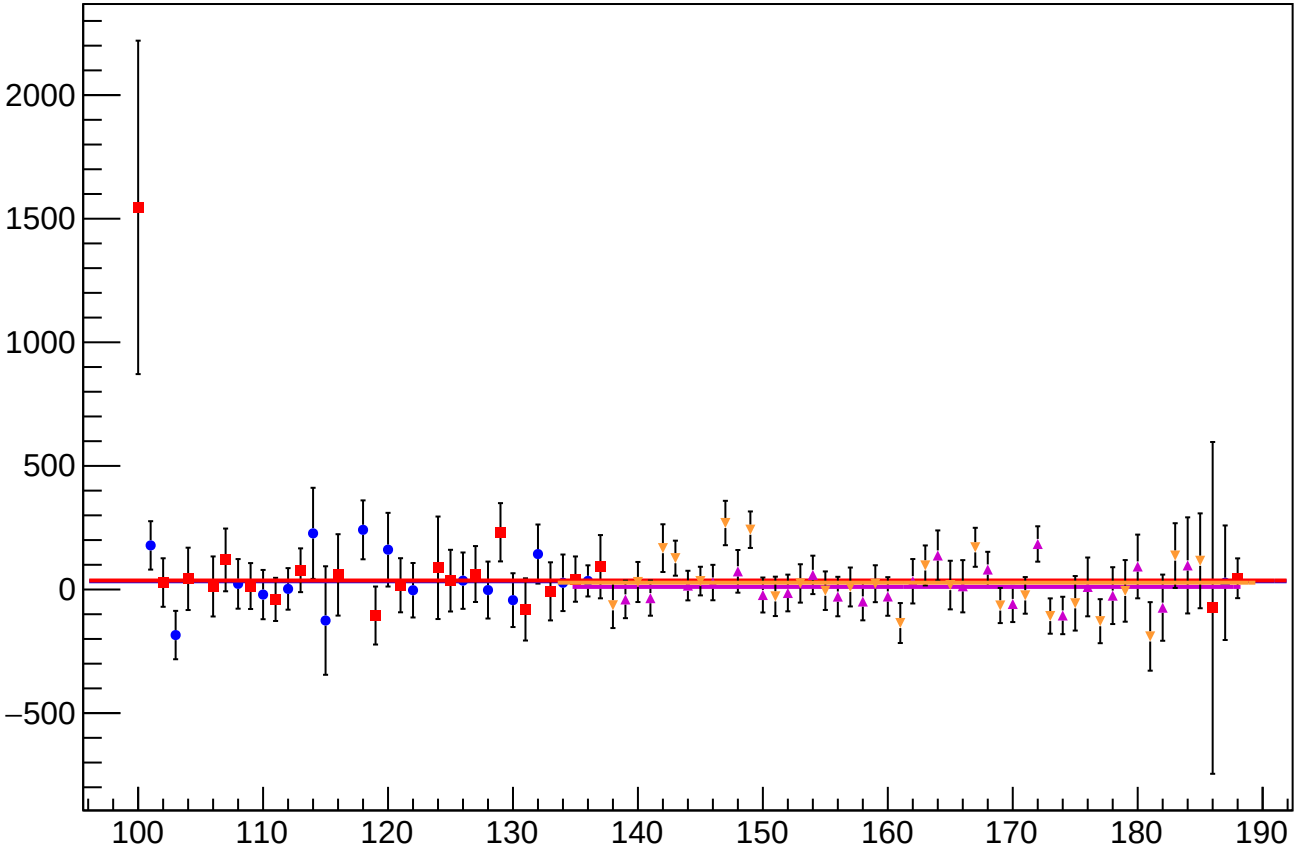
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 349.251+/-0.049 χ^2/NDF: 2645386.1/41

All: 348.633+/-0.035 χ^2/NDF: 5991242.7/85

- sign 348.019+/-0.049 χ^2/NDF: 3345541.4/43

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.322+/-26.245 χ^2/NDF: 14.5/16

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 36.394+/-25.184 χ^2/NDF: 12.1/20

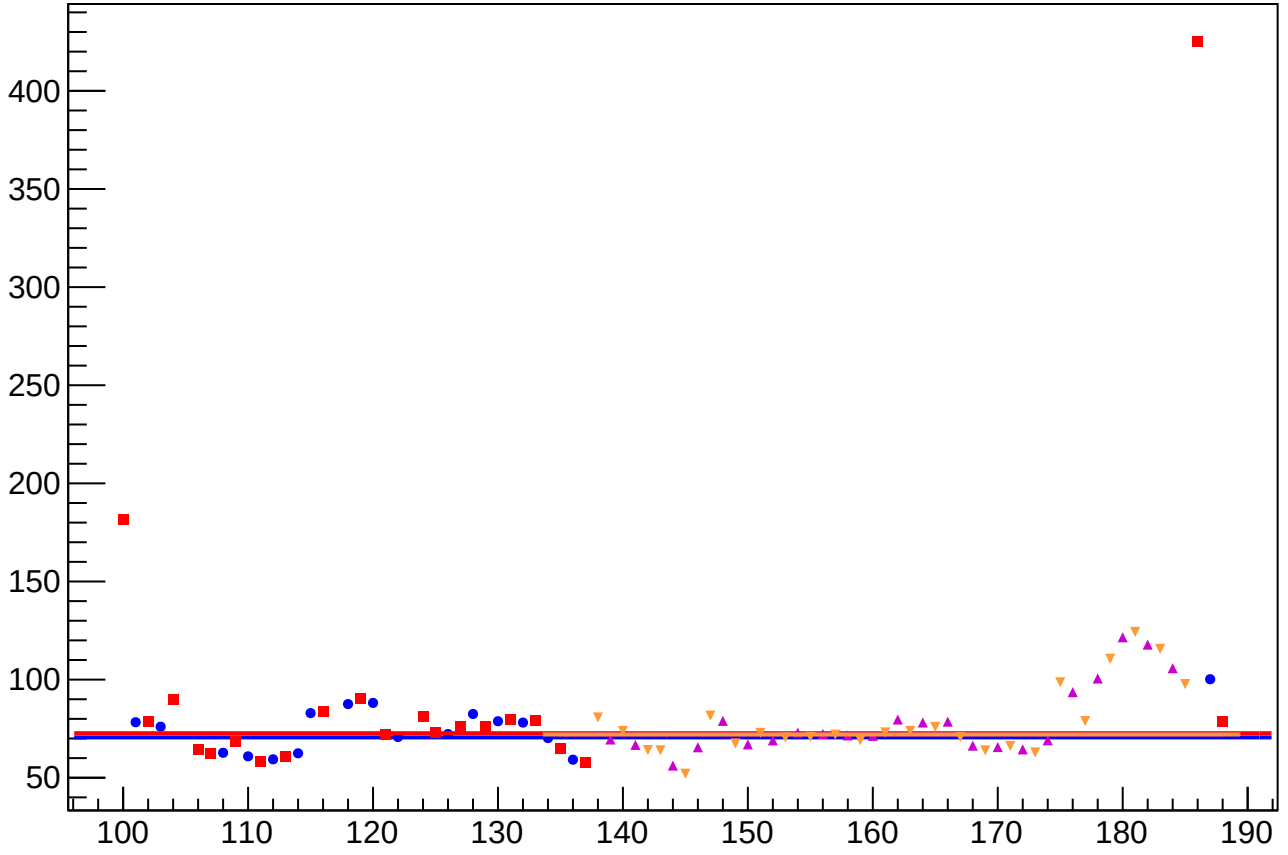
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 29.274+/-14.115 χ^2/NDF: 56.9/41

All: 24.059+/-10.017 χ^2/NDF: 86.1/85

- sign 18.767+/-14.217 χ^2/NDF: 28.9/43

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.553+/-0.019 χ^2/NDF: 302413.1/16

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

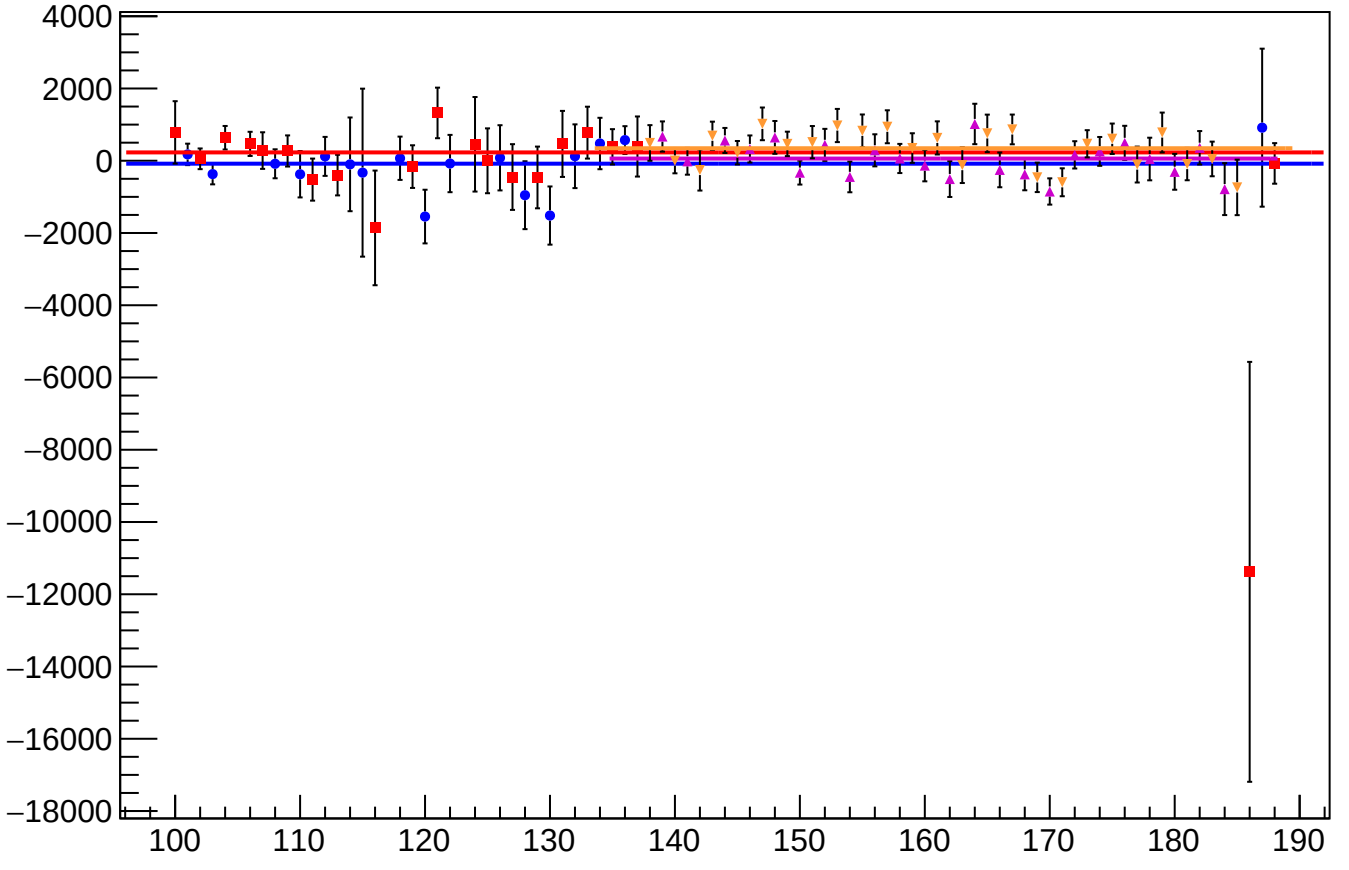
Right Out: 72.698+/-0.018 χ^2/NDF: 892865.1/20

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 71.610+/-0.010 χ^2/NDF: 1576454.8/41

All: 71.945+/-0.007 χ^2/NDF: 3531234.4/85

- sign 72.285+/-0.010 χ^2/NDF: 1952510.1/43



Right In: -81.504+/-132.632 χ^2/NDF: 13.9/16

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 230.521+/-120.406 χ^2/NDF: 16.8/20

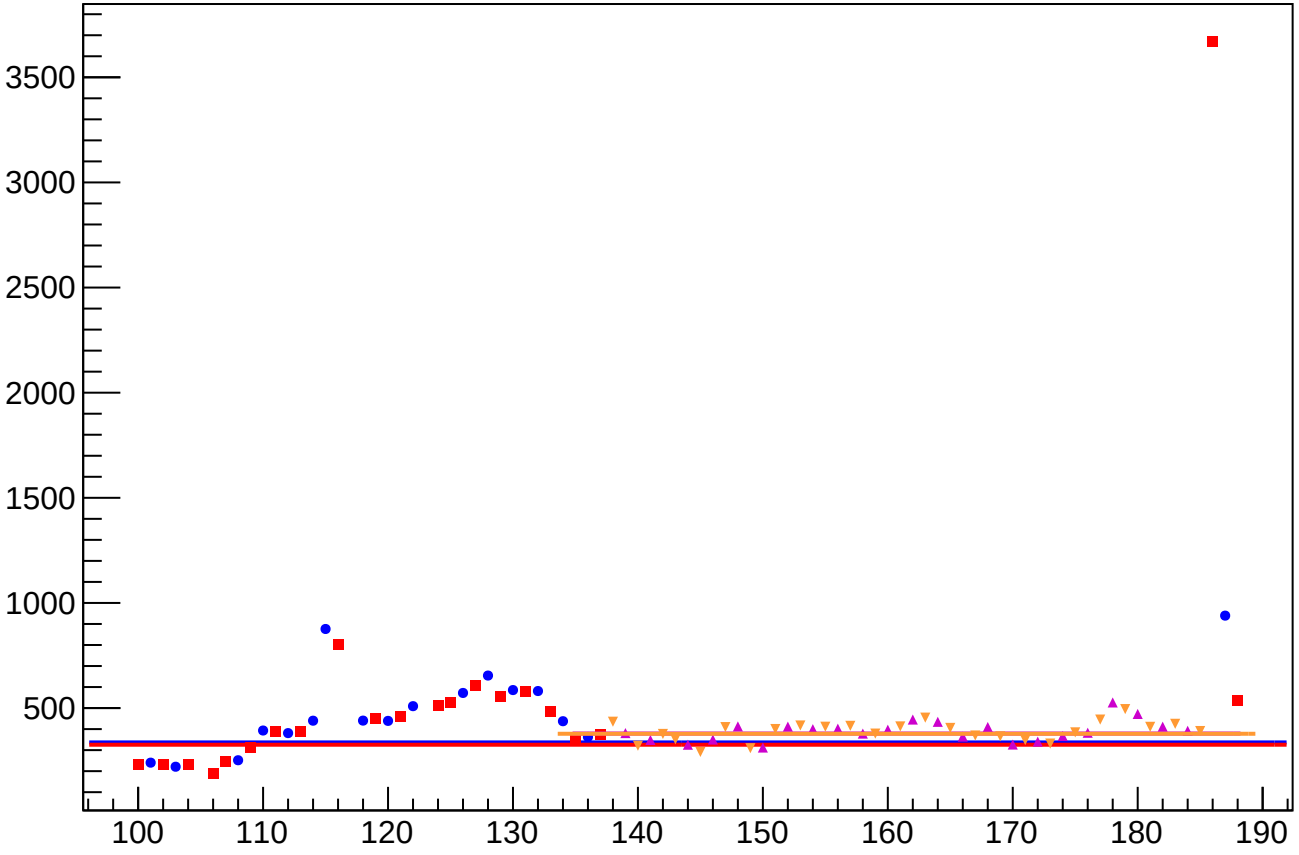
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 217.742+/-72.642 χ^2/NDF: 50.1/41

All: 168.568+/-51.060 χ^2/NDF: 95.0/85

- sign 120.550+/-71.784 χ^2/NDF: 43.9/43

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 336.657+/-0.094 χ^2/NDF: 1883236.3/16

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 325.704+/-0.085 χ^2/NDF: 2870303.4/20

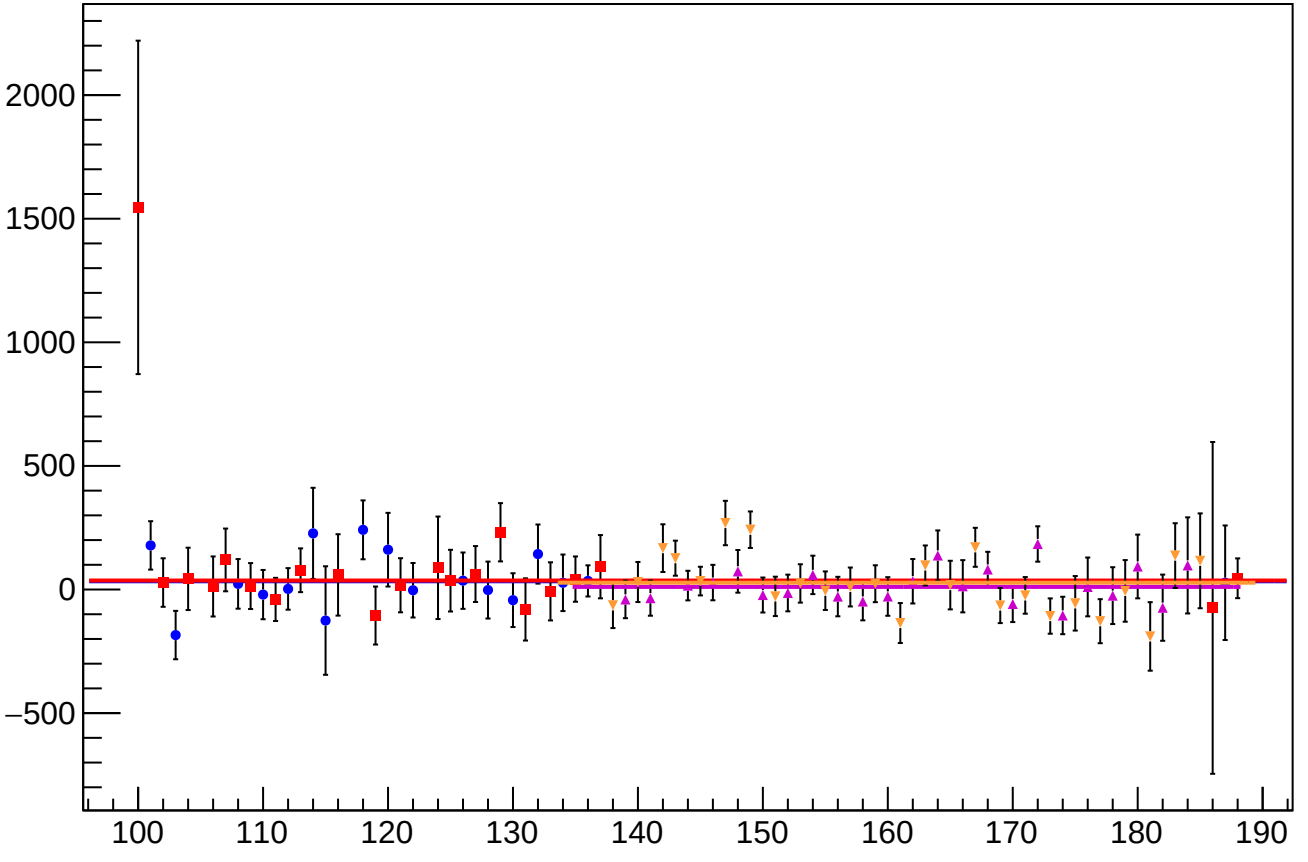
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 365.456+/-0.051 χ^2/NDF: 2654650.4/41

All: 362.682+/-0.036 χ^2/NDF: 6309745.5/85

- sign 359.972+/-0.051 χ^2/NDF: 3649329.0/43

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.321+/-26.245 χ^2/NDF: 14.5/16

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 36.395+/-25.184 χ^2/NDF: 12.1/20

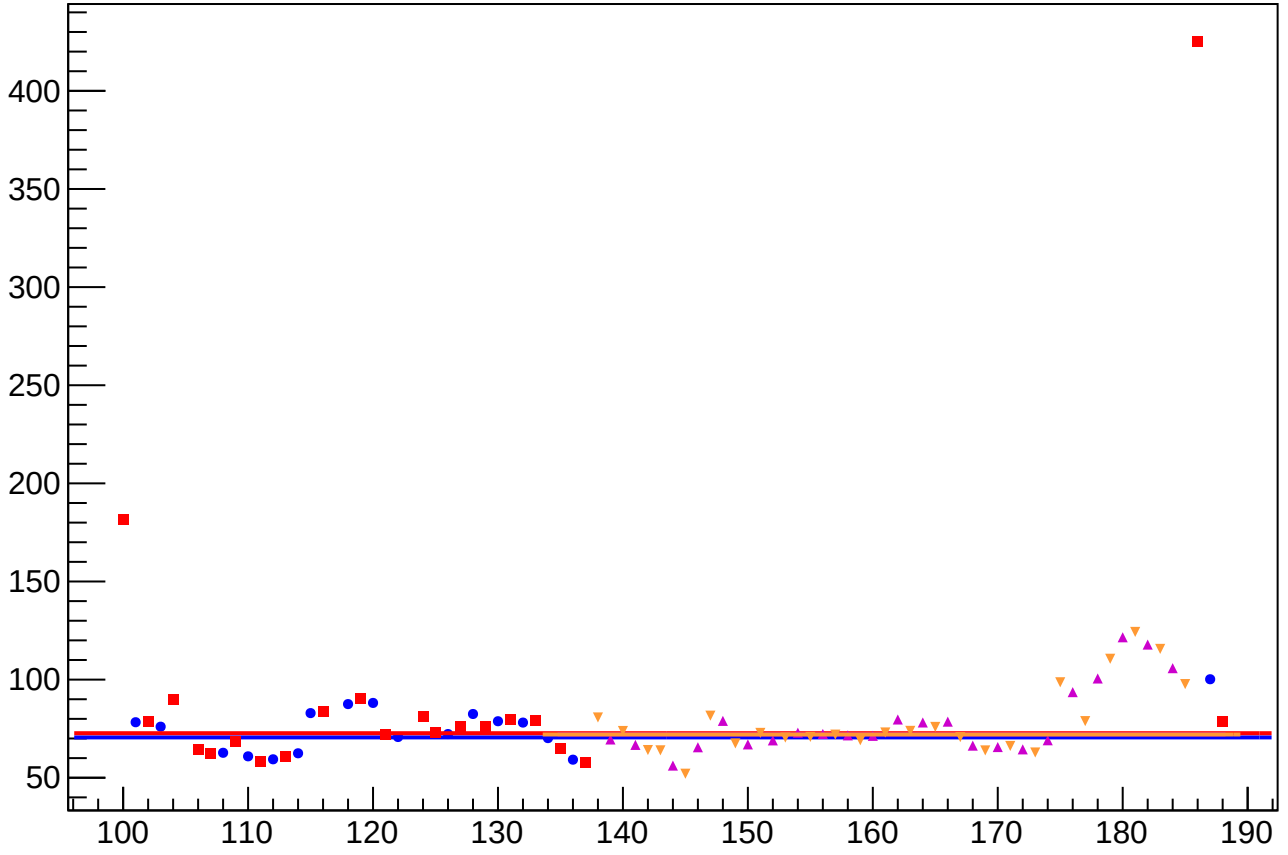
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 29.273+/-14.115 χ^2/NDF: 56.9/41

All: 24.058+/-10.017 χ^2/NDF: 86.1/85

- sign 18.767+/-14.217 χ^2/NDF: 28.9/43

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.553+/-0.019 χ^2/NDF: 302414.8/16

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

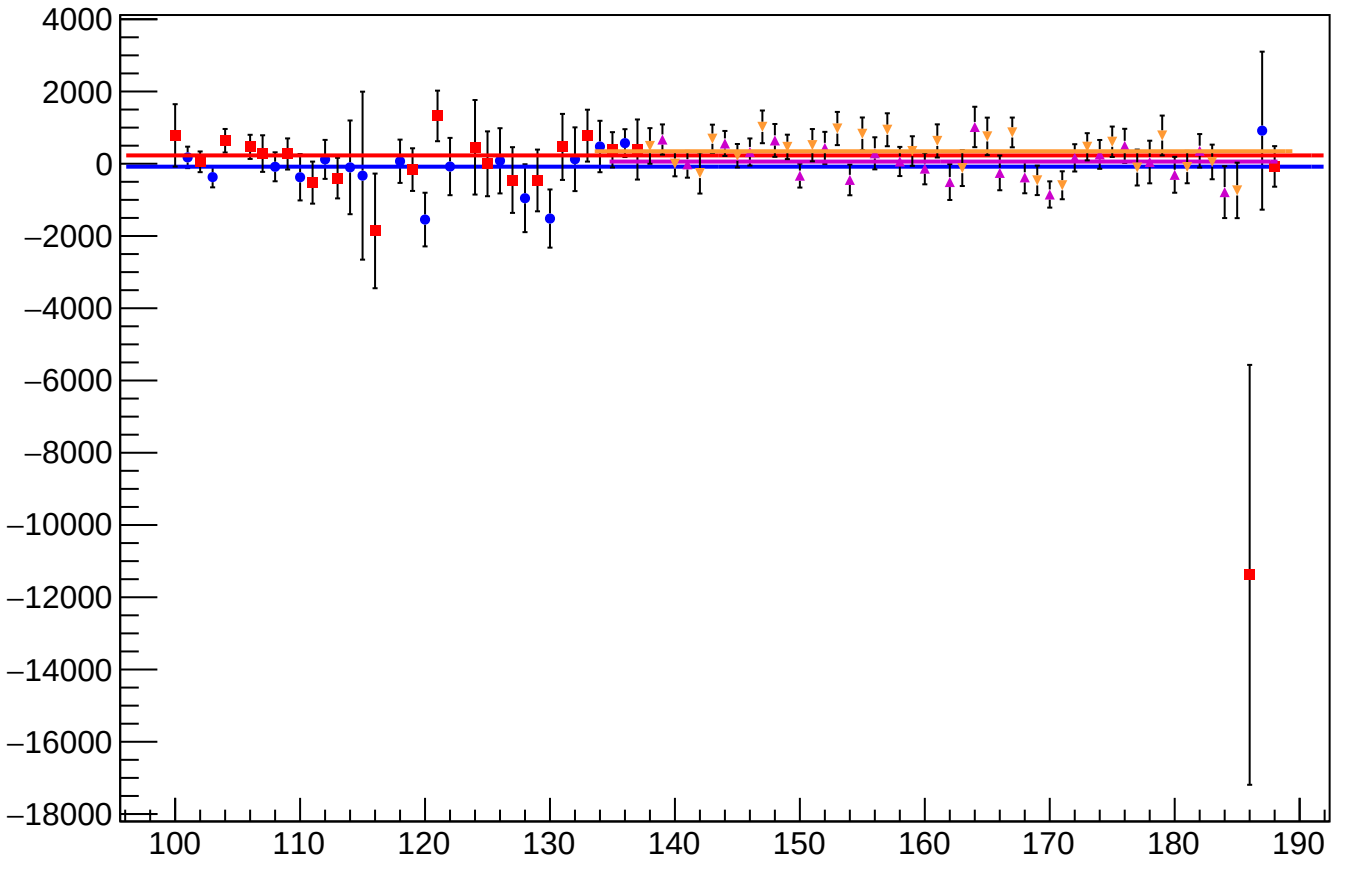
Right Out: 72.698+/-0.018 χ^2/NDF: 892866.5/20

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 71.610+/-0.010 χ^2/NDF: 1576462.9/41

All: 71.945+/-0.007 χ^2/NDF: 3531234.2/85

- sign 72.285+/-0.010 χ^2/NDF: 1952502.0/43



Right In: -81.505+/-132.632 χ^2/NDF: 13.9/16

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

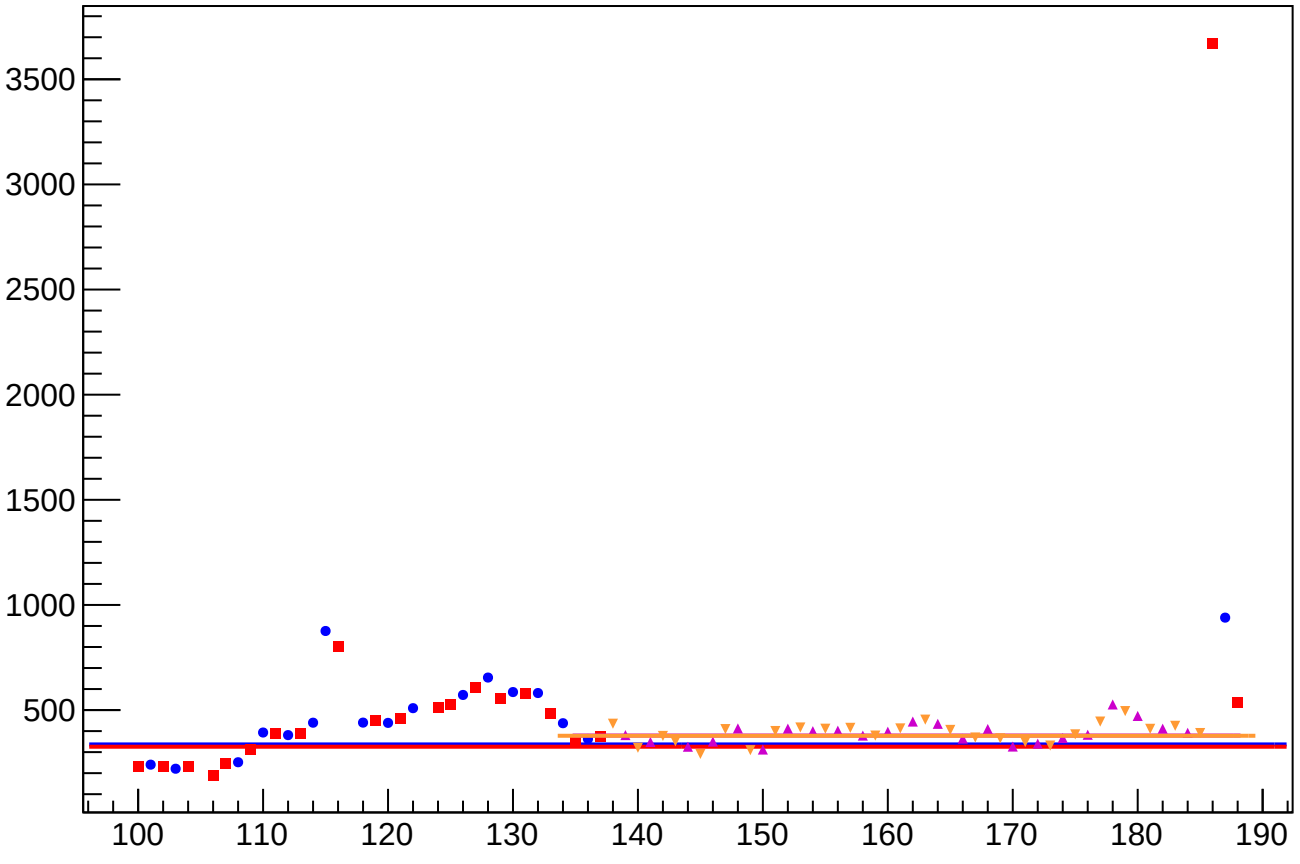
Right Out: 230.521+/-120.406 χ^2/NDF: 16.8/20

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 217.741+/-72.642 χ^2/NDF: 50.1/41

All: 168.568+/-51.060 χ^2/NDF: 95.0/85

- sign 120.549+/-71.784 χ^2/NDF: 43.9/43



Right In: 336.657+/-0.094 χ^2/NDF: 1883235.3/16

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 325.704+/-0.085 χ^2/NDF: 2870297.5/20

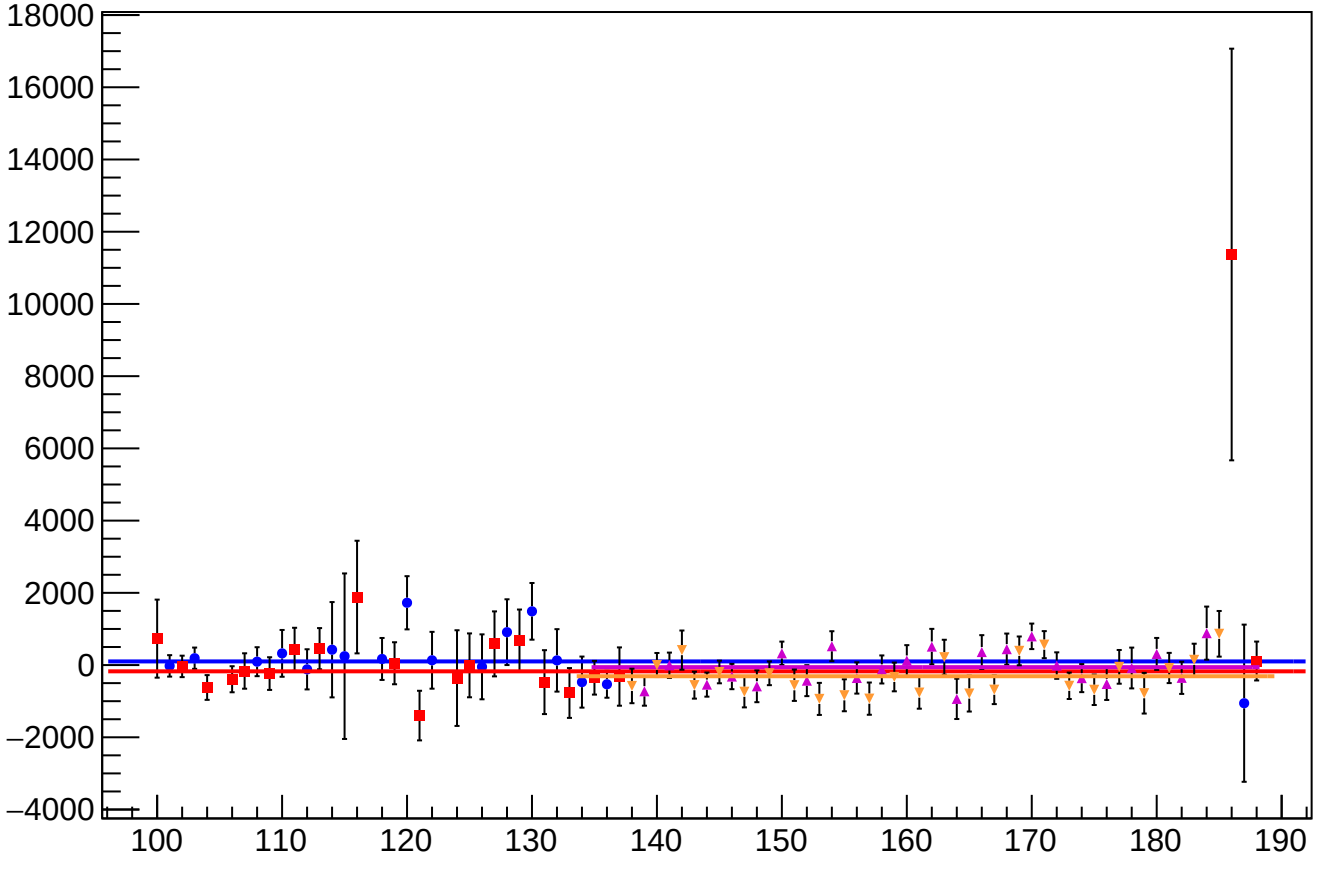
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 365.456+/-0.051 χ^2/NDF: 2654645.7/41

All: 362.681+/-0.036 χ^2/NDF: 6309728.6/85

- sign 359.972+/-0.051 χ^2/NDF: 3649316.8/43

asym_sam_37_48_dd_mean vs Slug



Right In: 101.065+/-132.798 χ^2/NDF: 13.2/16

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -173.366+/-122.841 χ^2/NDF: 17.5/20

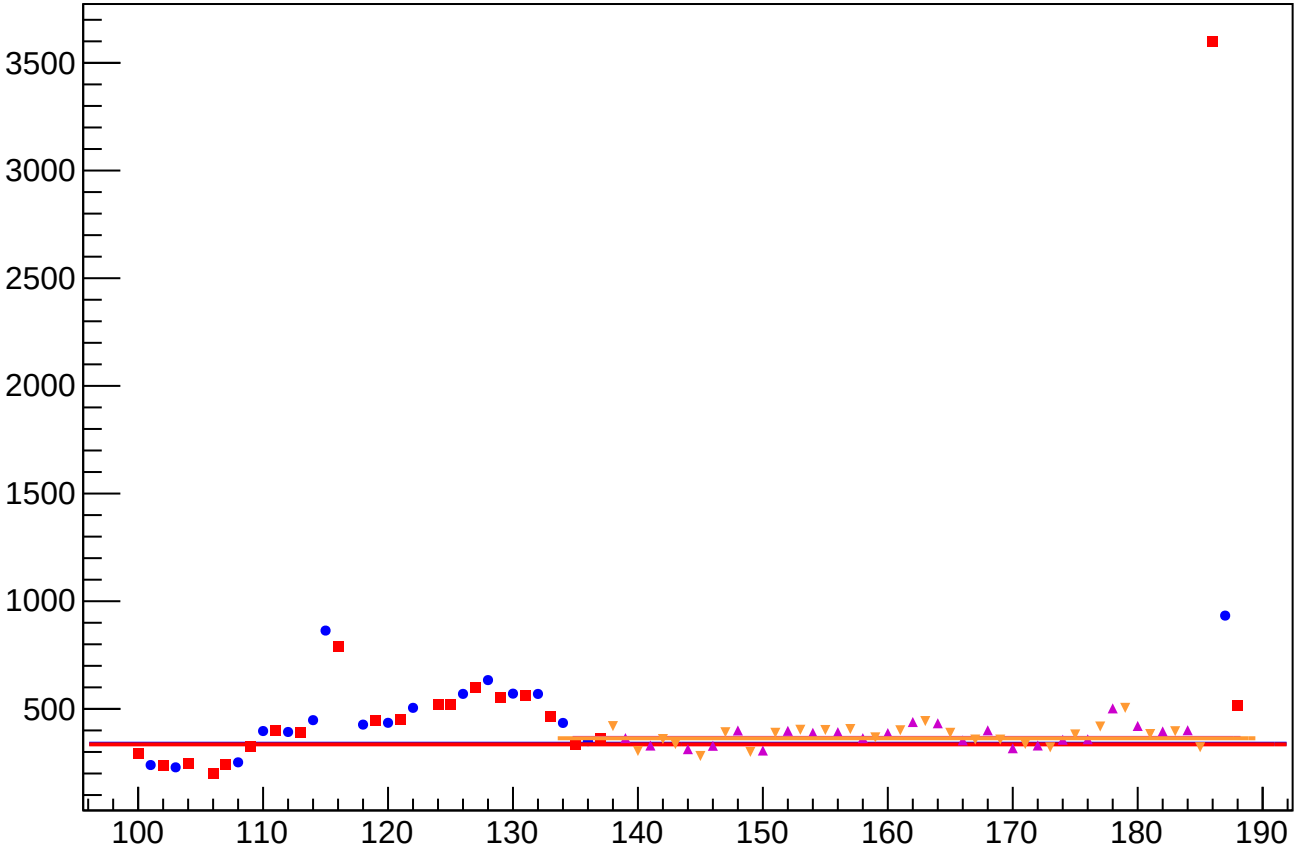
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -192.639+/-70.812 χ^2/NDF: 50.0/41

All: -144.043+/-49.987 χ^2/NDF: 97.1/85

- sign -95.773+/-70.574 χ^2/NDF: 46.1/43

asym_sam_37_48_dd_rms vs Slug



Right In: 338.316+/-0.094 χ^2/NDF: 1769015.0/16

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

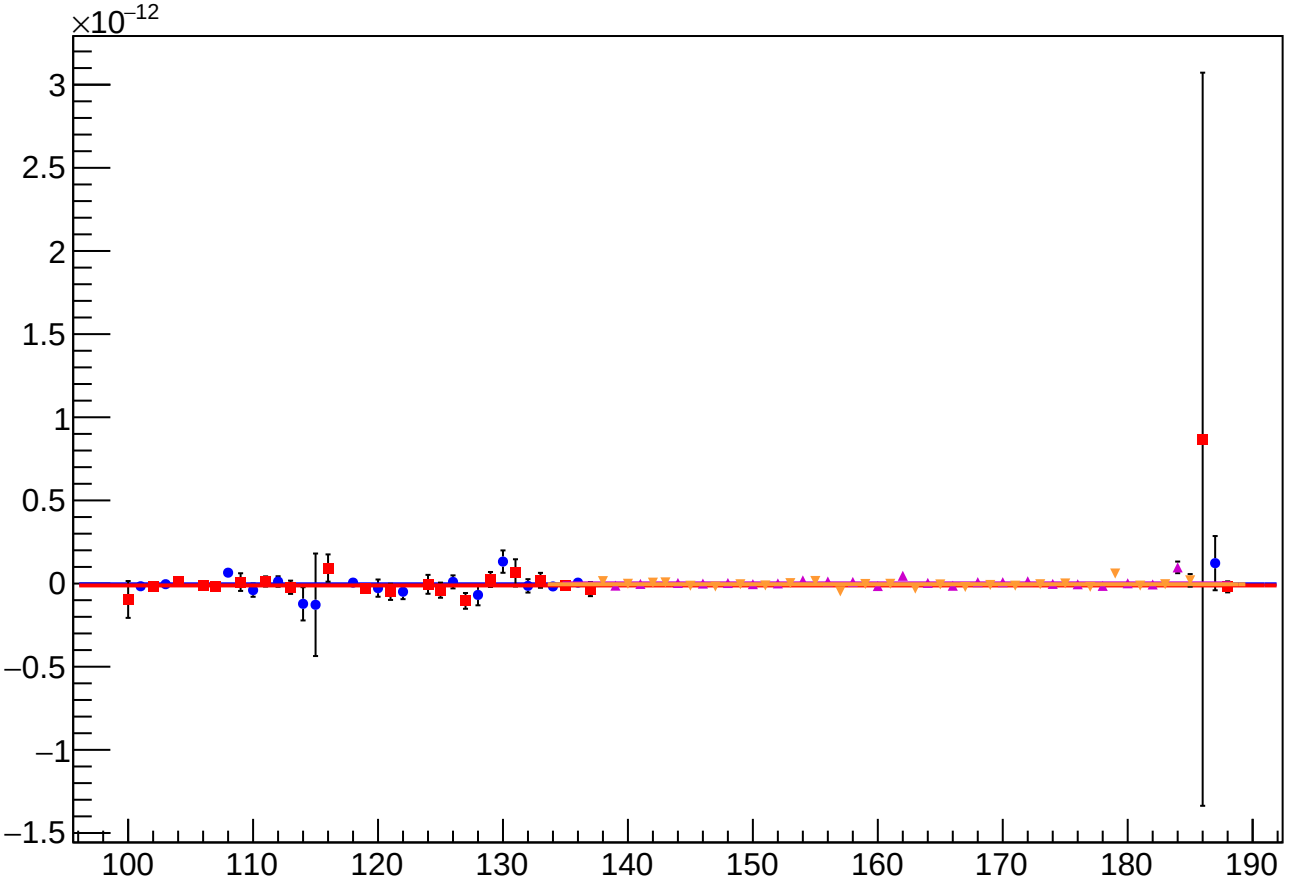
Right Out: 335.295+/-0.087 χ^2/NDF: 2557562.3/20

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 356.492+/-0.050 χ^2/NDF: 2490616.5/41

All: 355.950+/-0.035 χ^2/NDF: 5637975.9/85

- sign 355.412+/-0.050 χ^2/NDF: 3147126.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/20

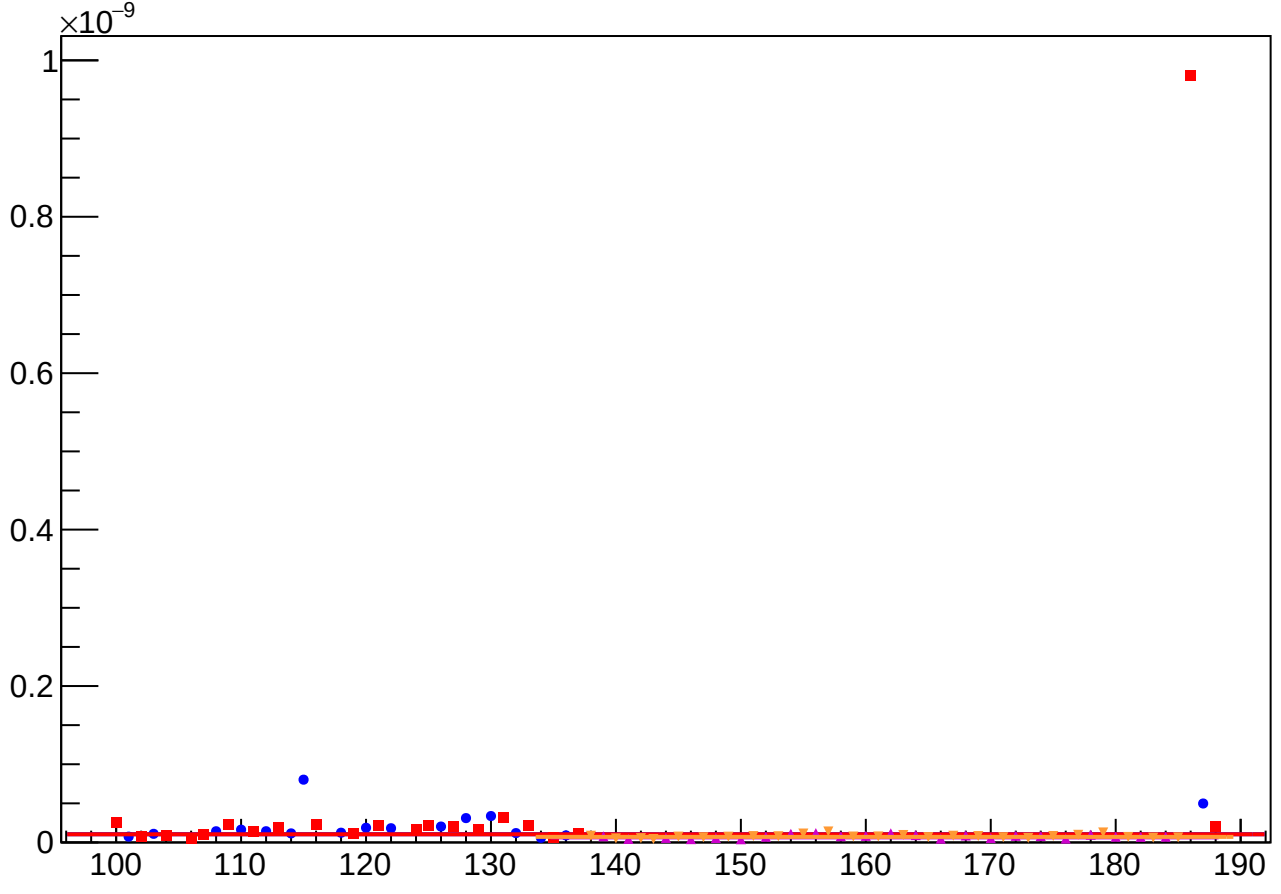
Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/41

All: -0.000+/-0.000 χ^2/NDF: 77.8/85

- sign -0.000+/-0.000 χ^2/NDF: 37.7/43

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1300105.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2014449.0/20

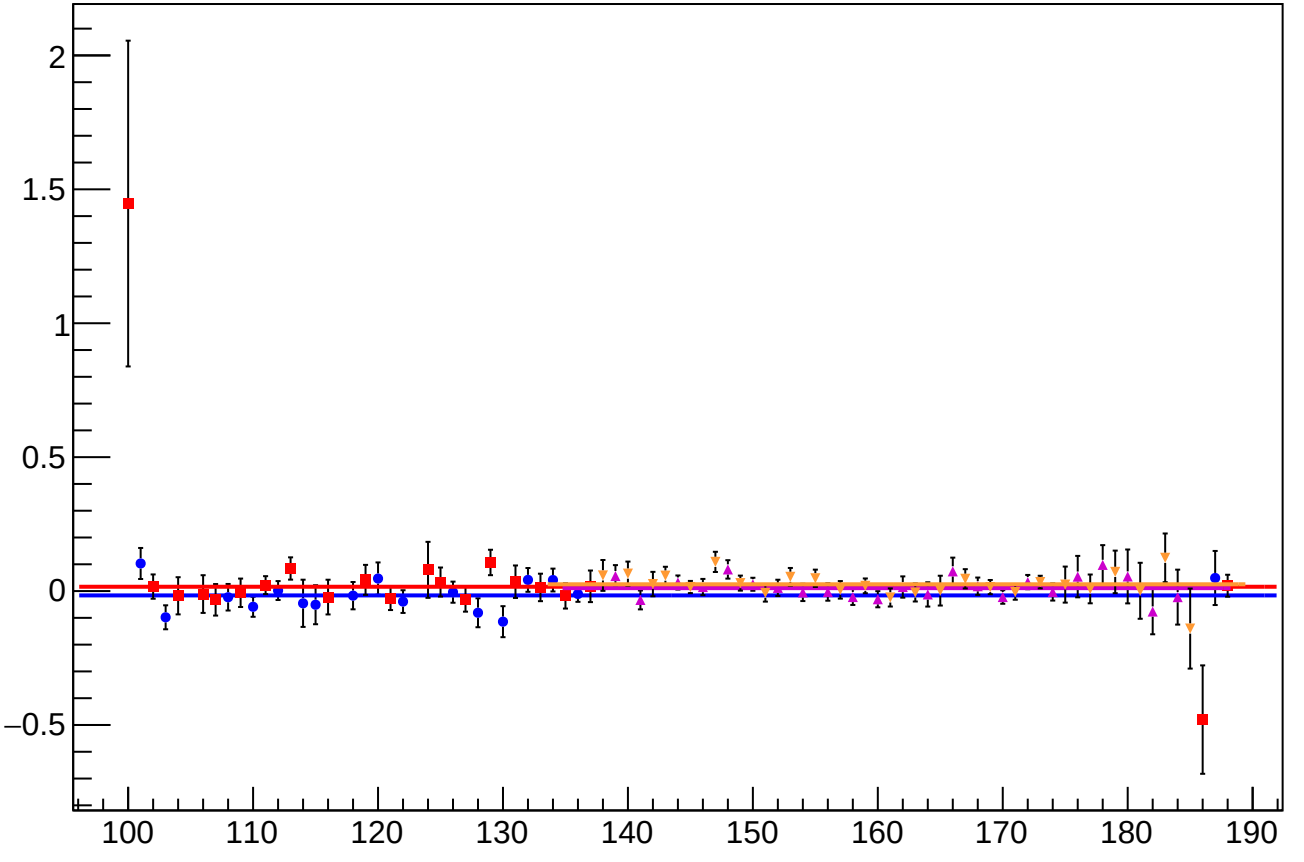
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 2647849.3/41

All: 0.000+/-0.000 χ^2/NDF: 6608781.6/85

- sign 0.000+/-0.000 χ^2/NDF: 3908294.9/43

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.016+/-0.012 χ^2/NDF: 22.9/20

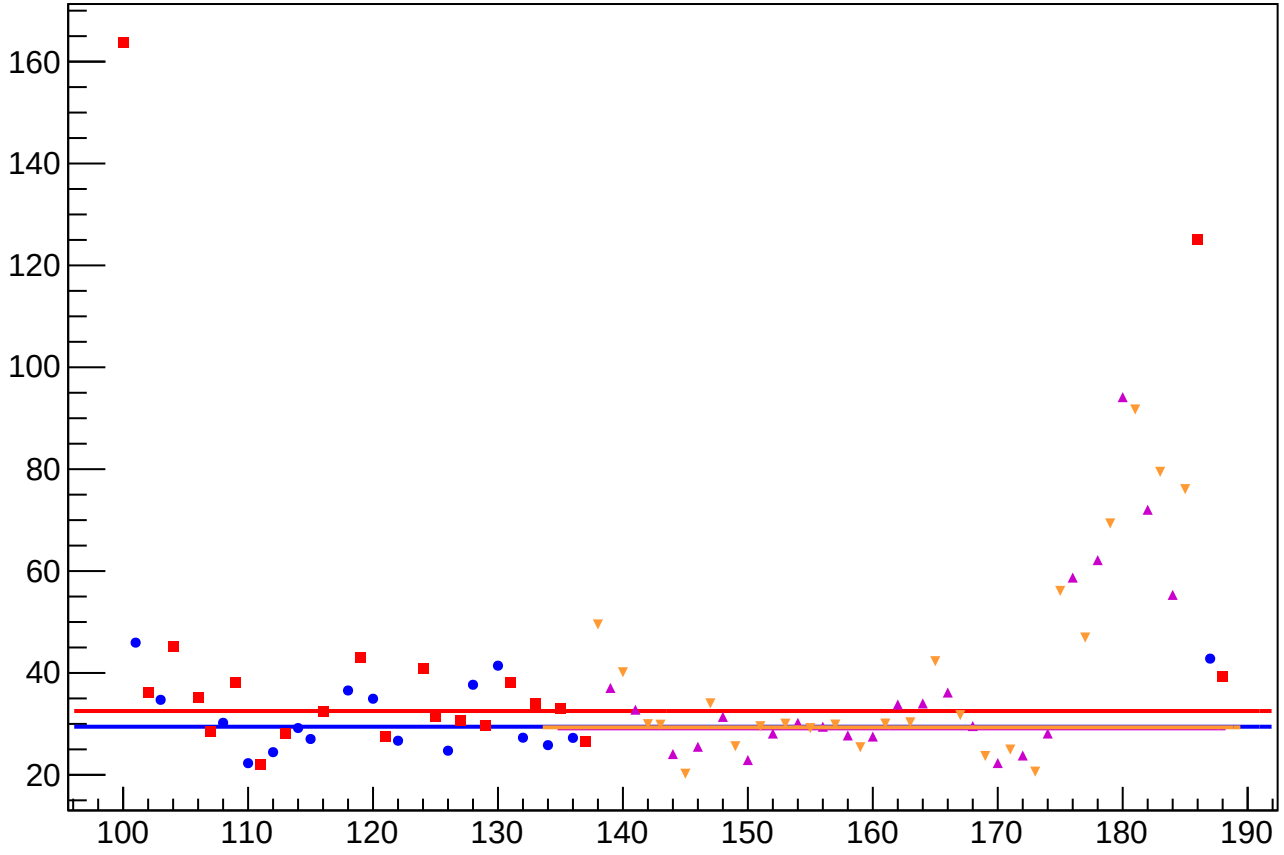
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.3/41

All: 0.013+/-0.004 χ^2/NDF: 88.3/85

- sign 0.012+/-0.006 χ^2/NDF: 42.0/43

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.447+/-0.008 χ^2/NDF: 596129.1/16

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

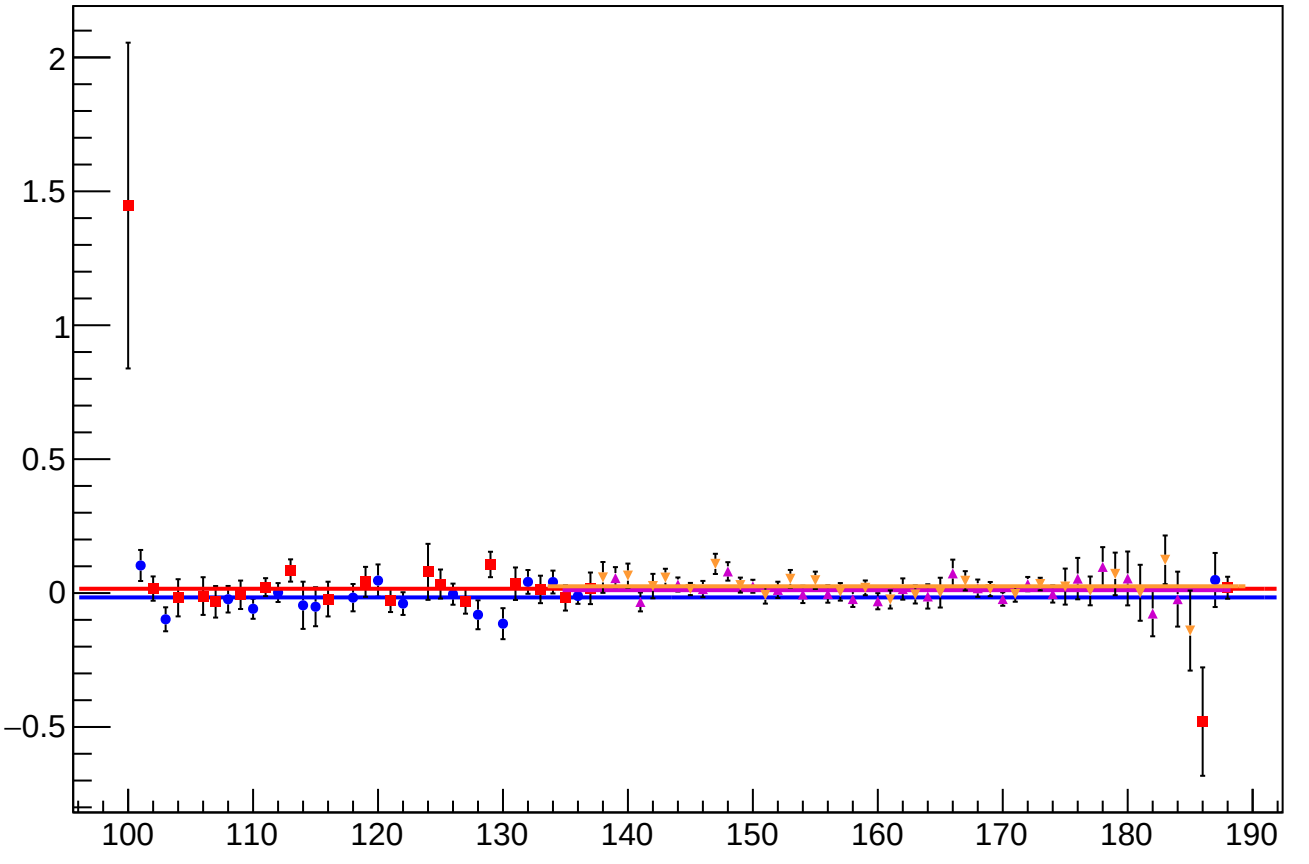
Right Out: 32.530+/-0.008 χ^2/NDF: 1054929.9/20

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

\+ sign 29.367+/-0.004 χ^2/NDF: 4471045.3/41

All: 29.722+/-0.003 χ^2/NDF: 8502897.6/85

\- sign 30.092+/-0.004 χ^2/NDF: 4017803.4/43



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

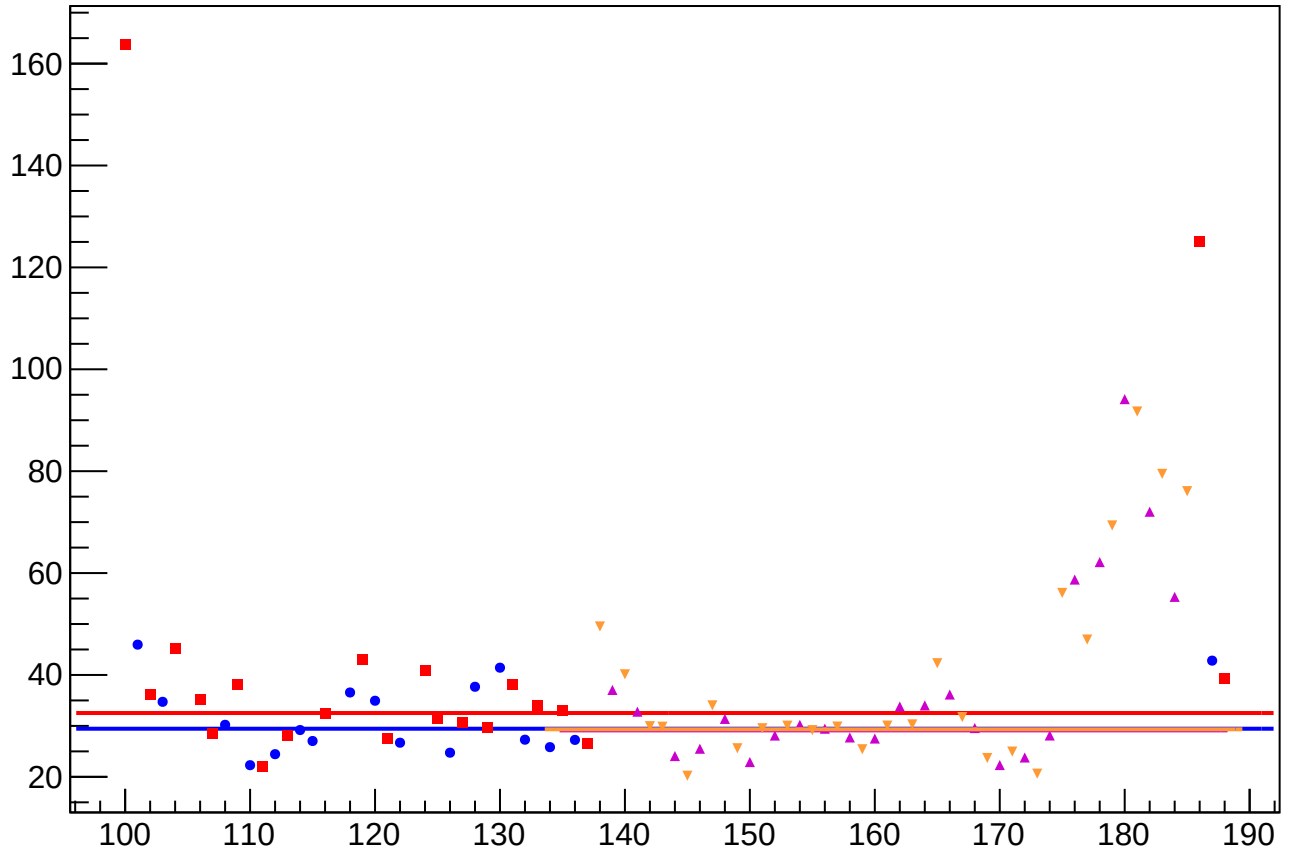
Right Out: 0.016+/-0.012 χ^2/NDF: 22.9/20

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.3/41

All: 0.013+/-0.004 χ^2/NDF: 88.3/85

- sign 0.012+/-0.006 χ^2/NDF: 42.0/43



Right In: 29.447+/-0.008 χ^2/NDF: 596129.1/16

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

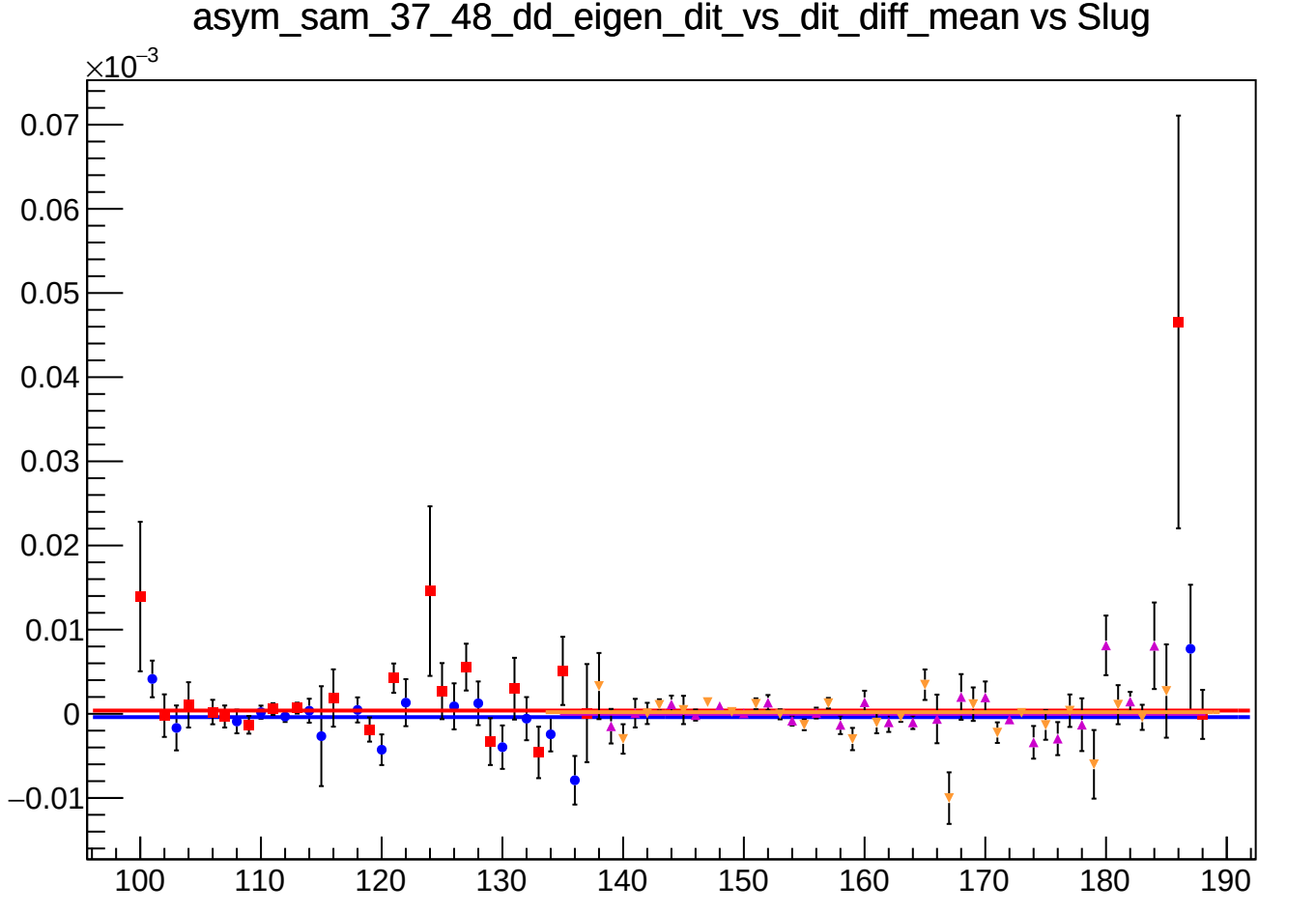
Right Out: 32.530+/-0.008 χ^2/NDF: 1054929.9/20

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.367+/-0.004 χ^2/NDF: 4471045.3/41

All: 29.722+/-0.003 χ^2/NDF: 8502897.6/85

- sign 30.092+/-0.004 χ^2/NDF: 4017803.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/20

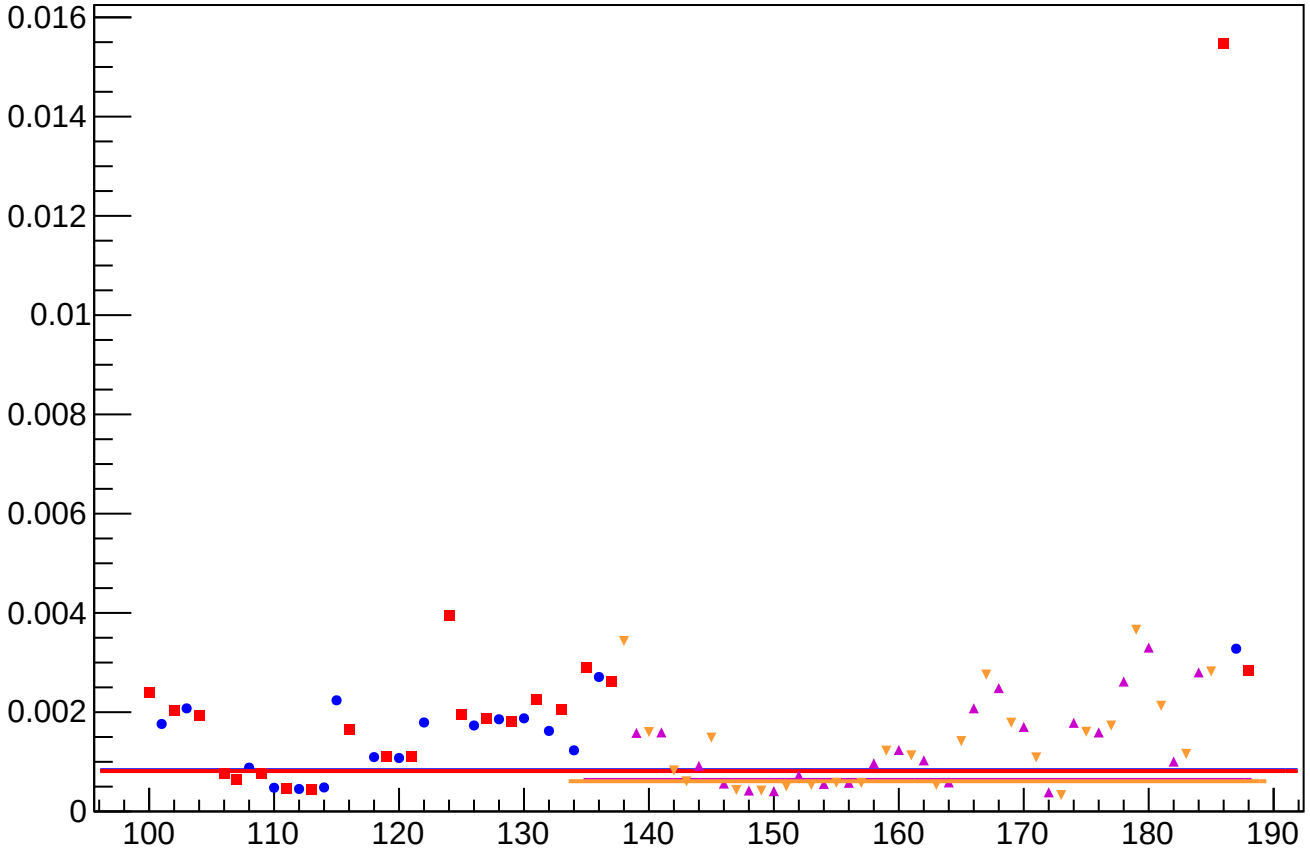
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.1/41

All: 0.000+/-0.000 χ^2/NDF: 139.9/85

- sign 0.000+/-0.000 χ^2/NDF: 62.8/43

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4656040.9/16

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

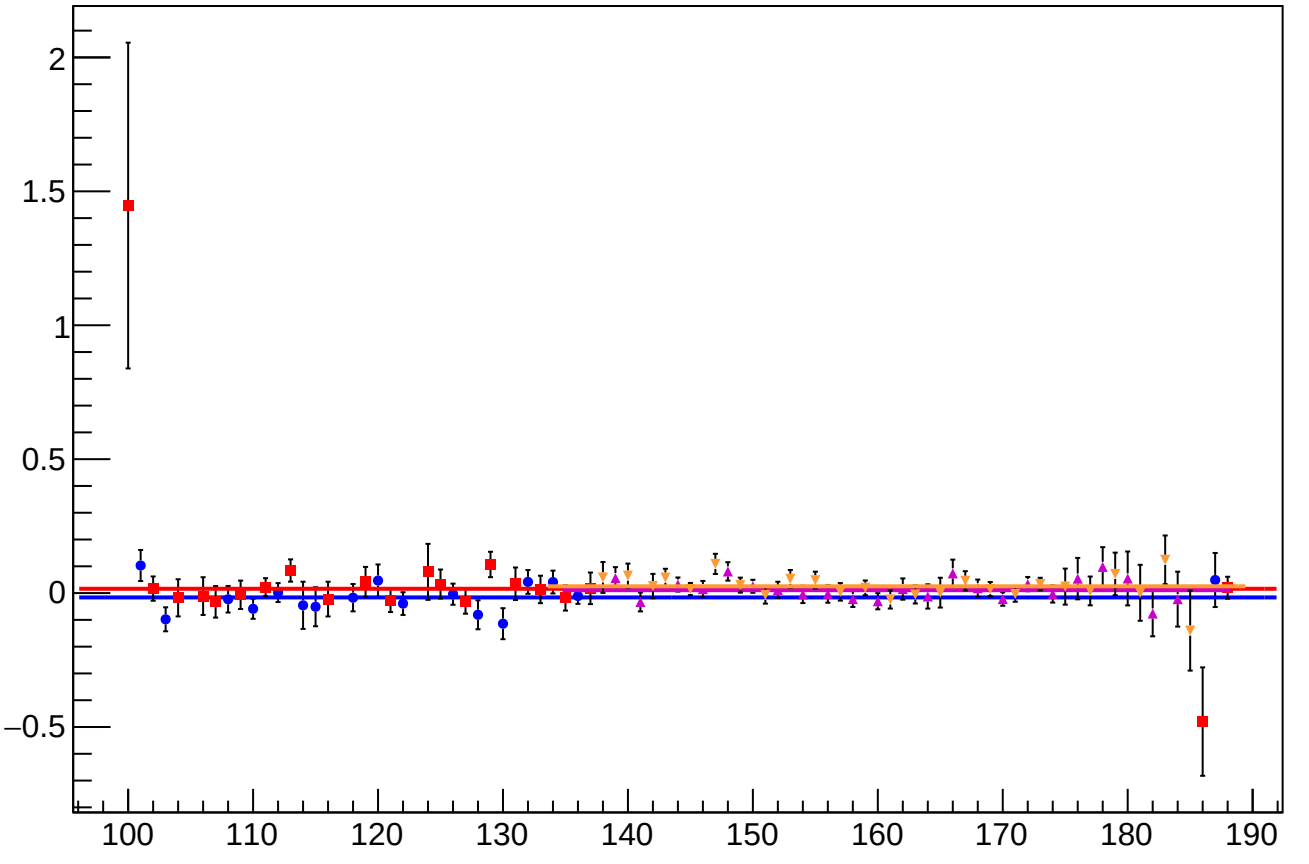
Right Out: 0.001+/-0.000 χ^2/NDF: 6340887.7/20

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 16211828.2/41

All: 0.001+/-0.000 χ^2/NDF: 32376272.2/85

- sign 0.001+/-0.000 χ^2/NDF: 16136147.4/43



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

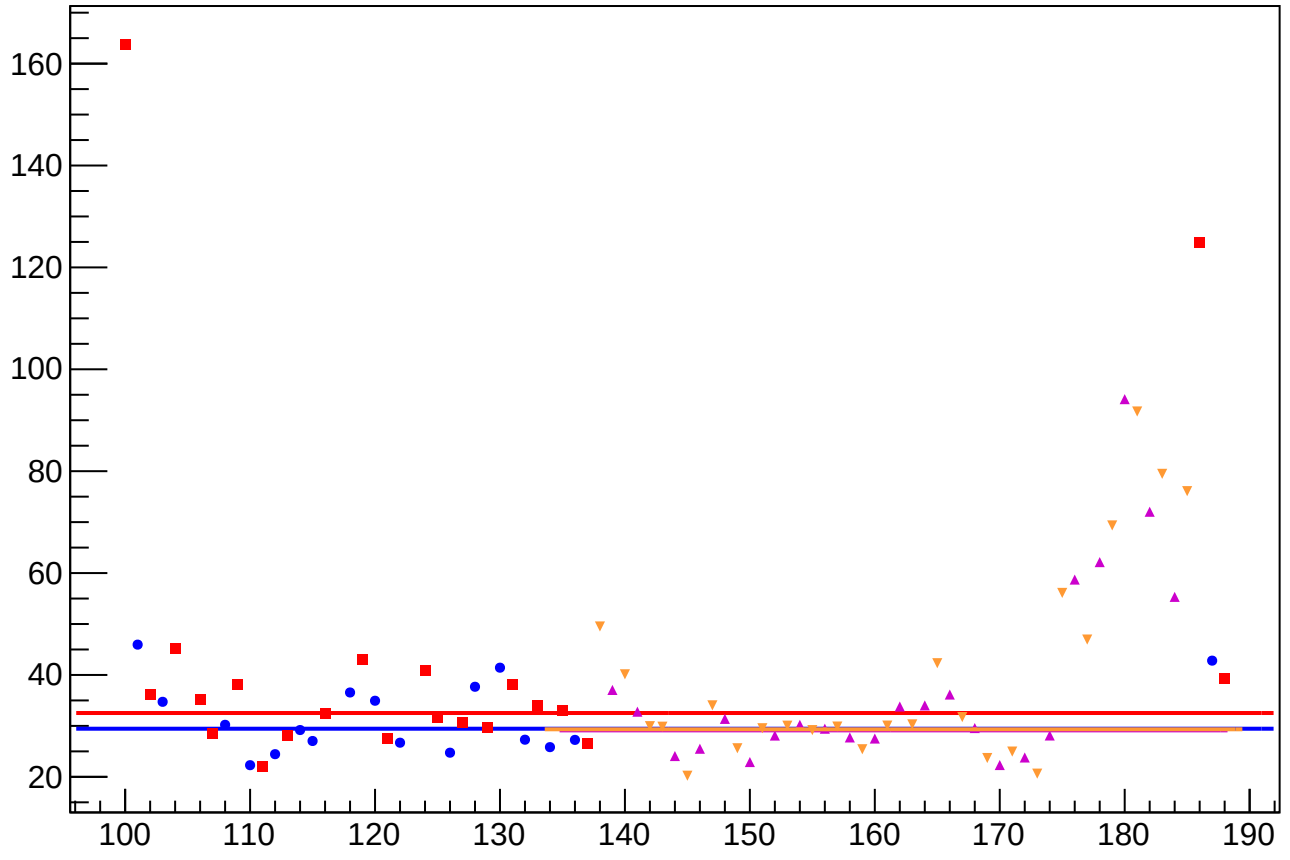
Right Out: 0.016+/-0.012 χ^2/NDF: 22.9/20

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.3/41

All: 0.013+/-0.004 χ^2/NDF: 88.3/85

- sign 0.012+/-0.006 χ^2/NDF: 42.0/43



Right In: 29.447+/-0.008 χ^2/NDF: 596120.5/16

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

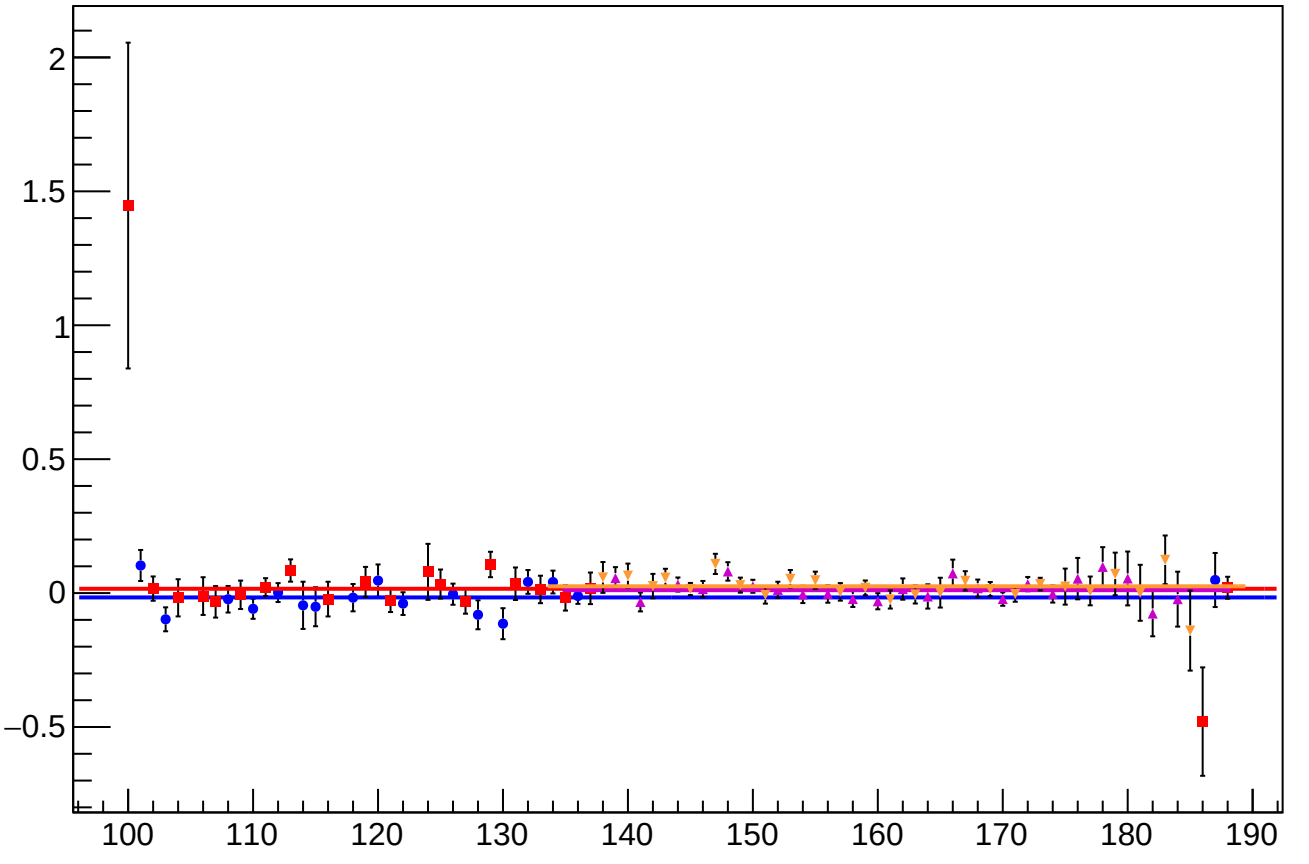
Right Out: 32.531+/-0.008 χ^2/NDF: 1054879.0/20

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.367+/-0.004 χ^2/NDF: 4471102.1/41

All: 29.722+/-0.003 χ^2/NDF: 8502895.7/85

- sign 30.092+/-0.004 χ^2/NDF: 4017743.4/43



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

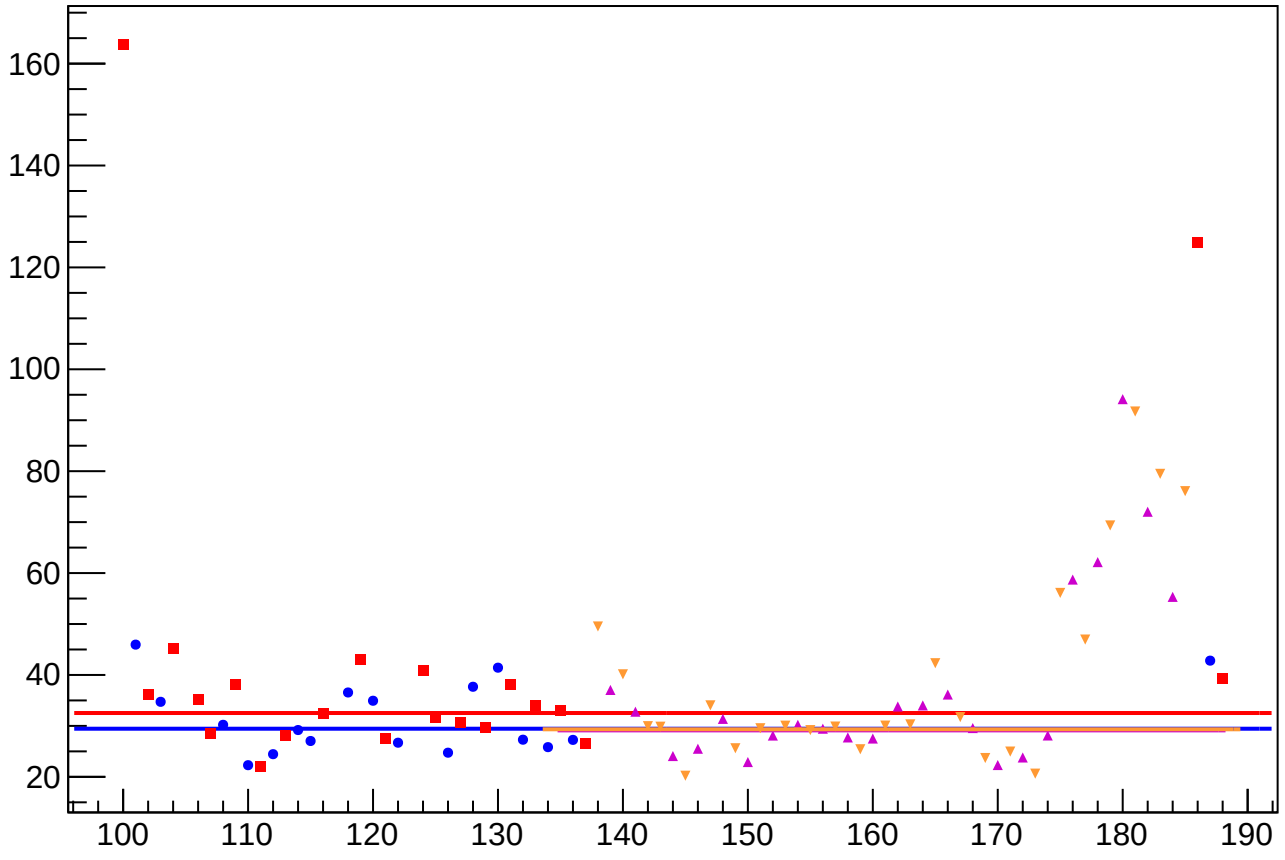
Right Out: 0.016+/-0.012 χ^2/NDF: 22.9/20

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.3/41

All: 0.013+/-0.004 χ^2/NDF: 88.3/85

- sign 0.012+/-0.006 χ^2/NDF: 42.0/43



Right In: 29.447+/-0.008 χ^2/NDF: 596120.5/16

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

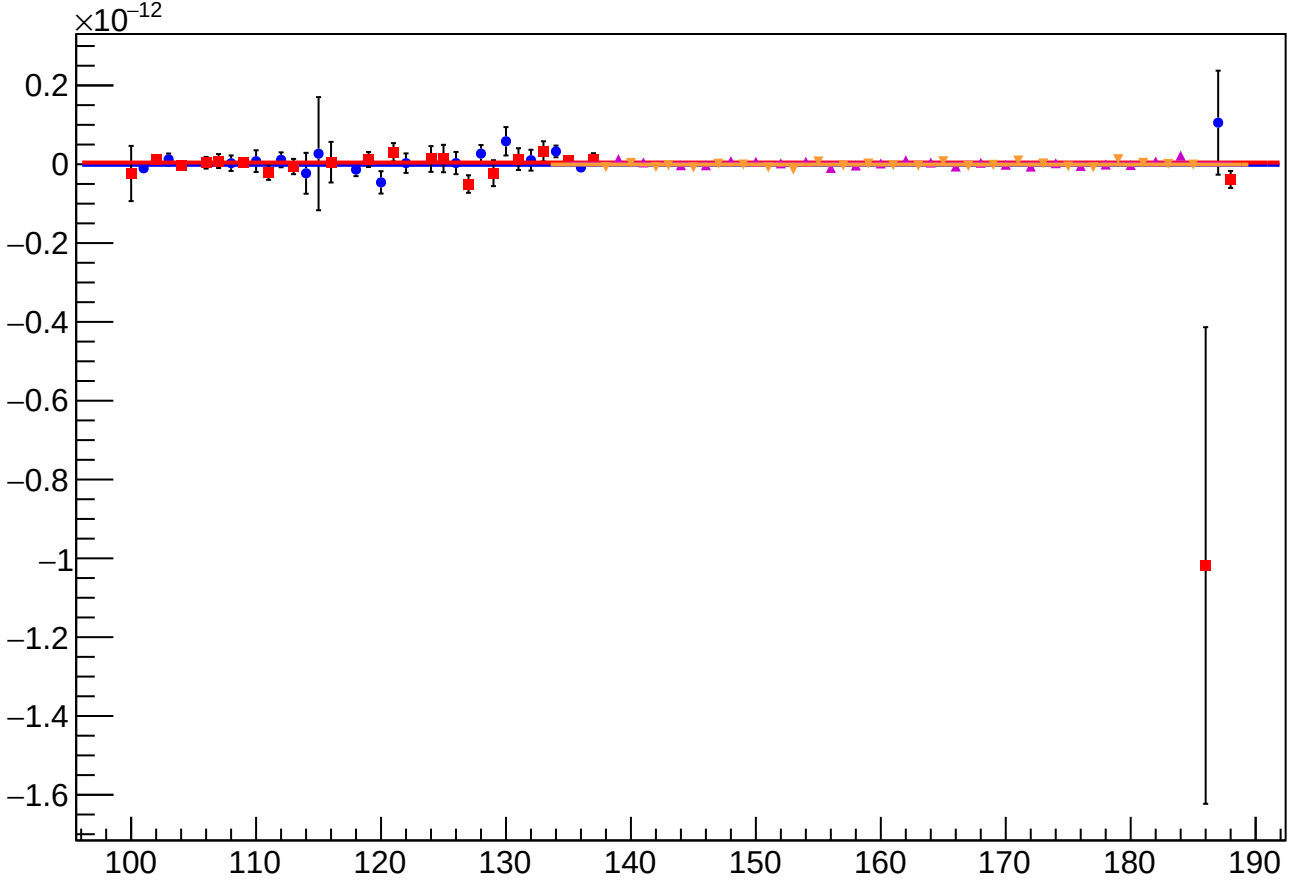
Right Out: 32.531+/-0.008 χ^2/NDF: 1054879.0/20

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.367+/-0.004 χ^2/NDF: 4471102.1/41

All: 29.722+/-0.003 χ^2/NDF: 8502895.7/85

- sign 30.092+/-0.004 χ^2/NDF: 4017743.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

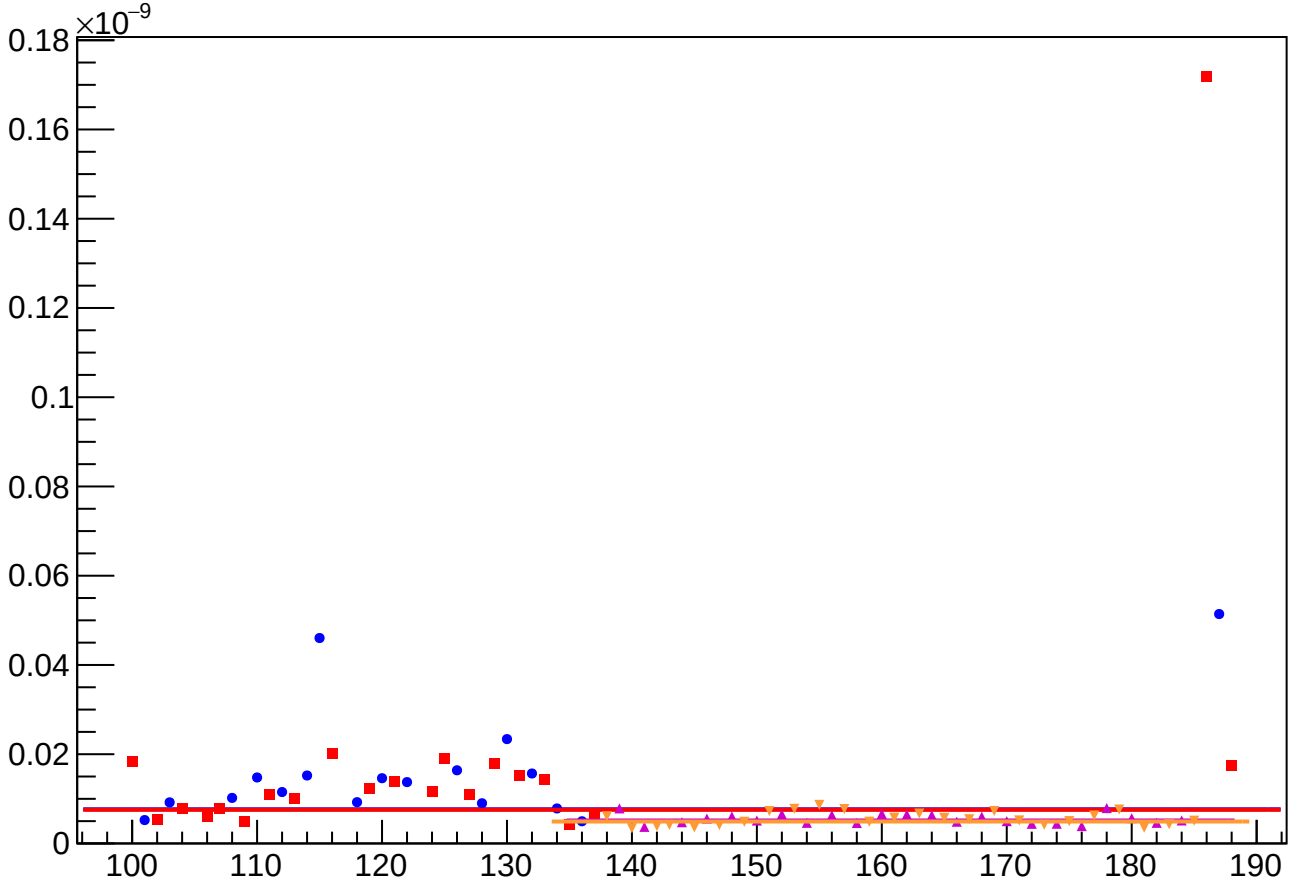
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/20

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/41

All: 0.000+/-0.000 χ^2/NDF: 72.1/85

- sign 0.000+/-0.000 χ^2/NDF: 37.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 2241457.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2573805.8/20

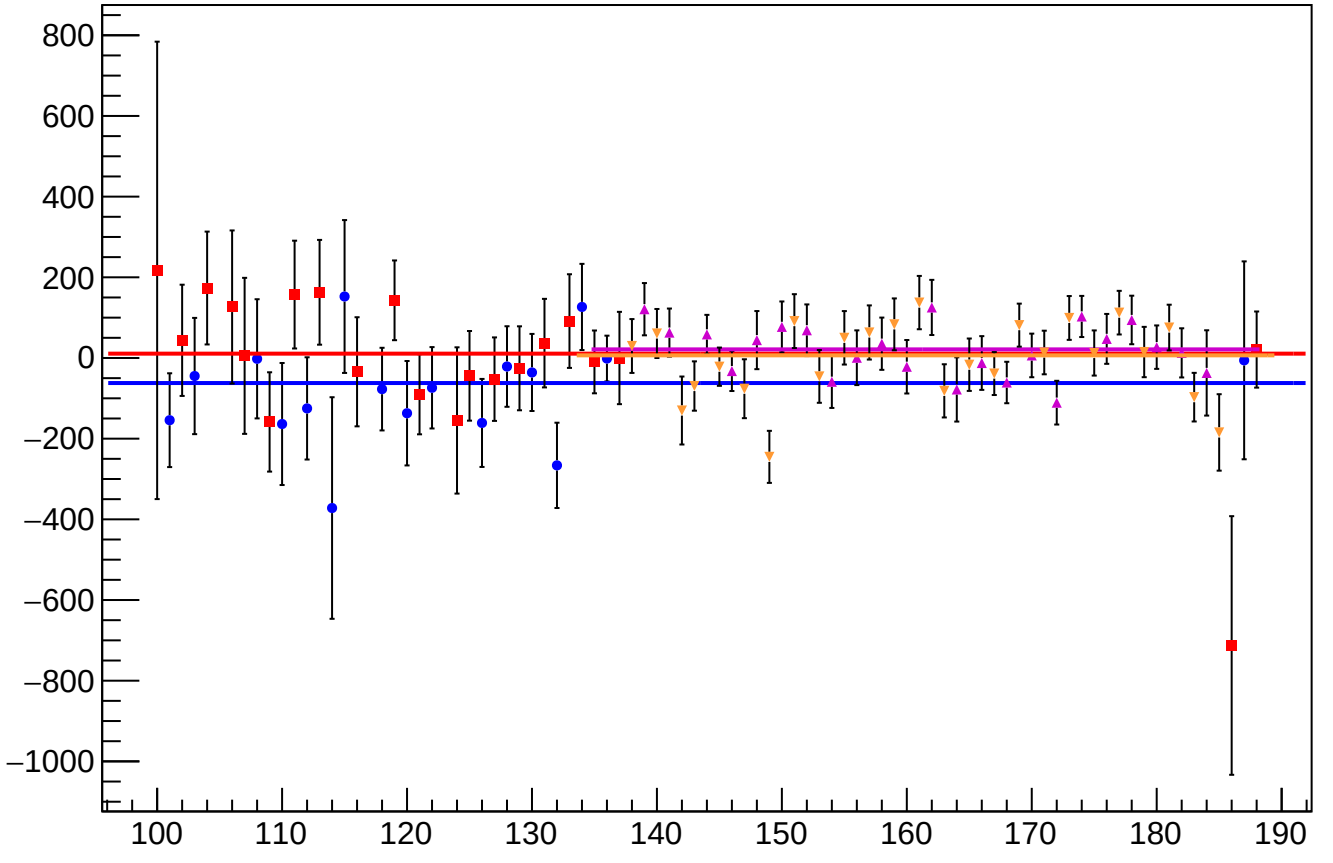
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5016603.1/41

All: 0.000+/-0.000 χ^2/NDF: 9364460.3/85

- sign 0.000+/-0.000 χ^2/NDF: 4313168.2/43

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.105+/-27.047 χ^2/NDF: 13.5/16

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 10.737+/-26.549 χ^2/NDF: 16.6/20

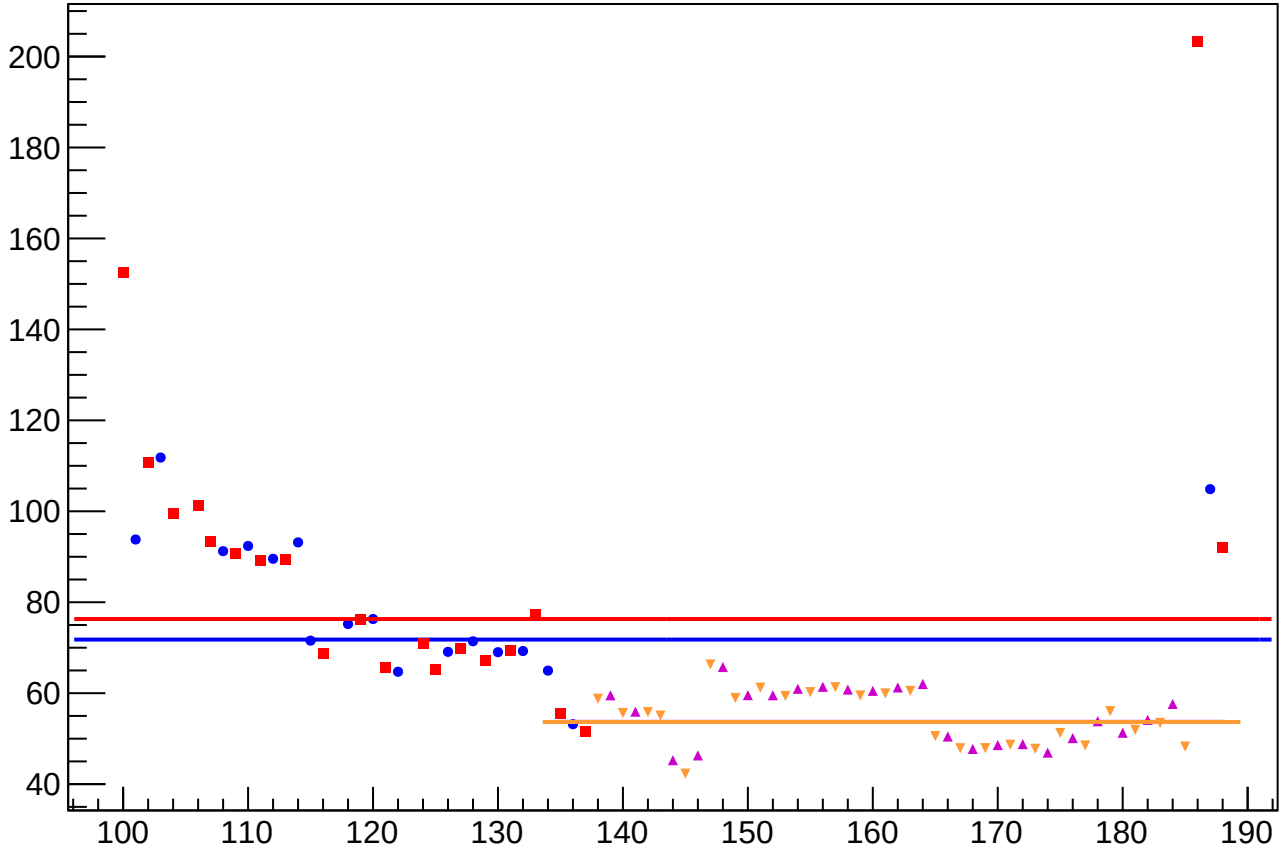
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -5.217+/-11.187 χ^2/NDF: 69.5/41

All: 6.826+/-7.991 χ^2/NDF: 113.9/85

- sign 19.375+/-11.419 χ^2/NDF: 42.1/43

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.790+/-0.019 χ^2/NDF: 627728.9/16

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

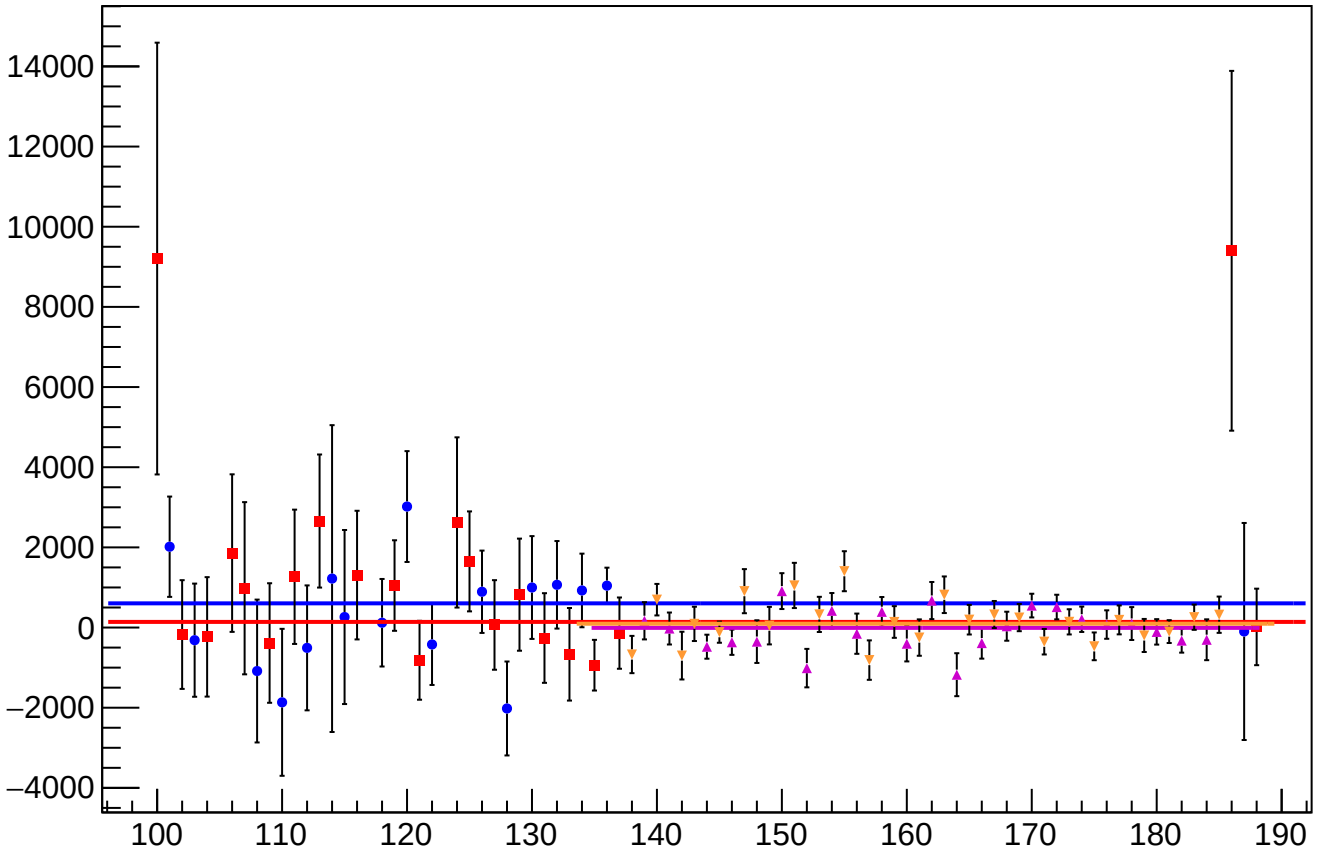
Right Out: 76.312+/-0.019 χ^2/NDF: 1021879.9/20

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.766+/-0.008 χ^2/NDF: 1844407.5/41

All: 57.311+/-0.006 χ^2/NDF: 4530242.1/85

- sign 57.879+/-0.008 χ^2/NDF: 2676145.3/43



Right In: 603.743+/-265.516 χ^2/NDF: 15.8/16

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 140.681+/-271.981 χ^2/NDF: 19.8/20

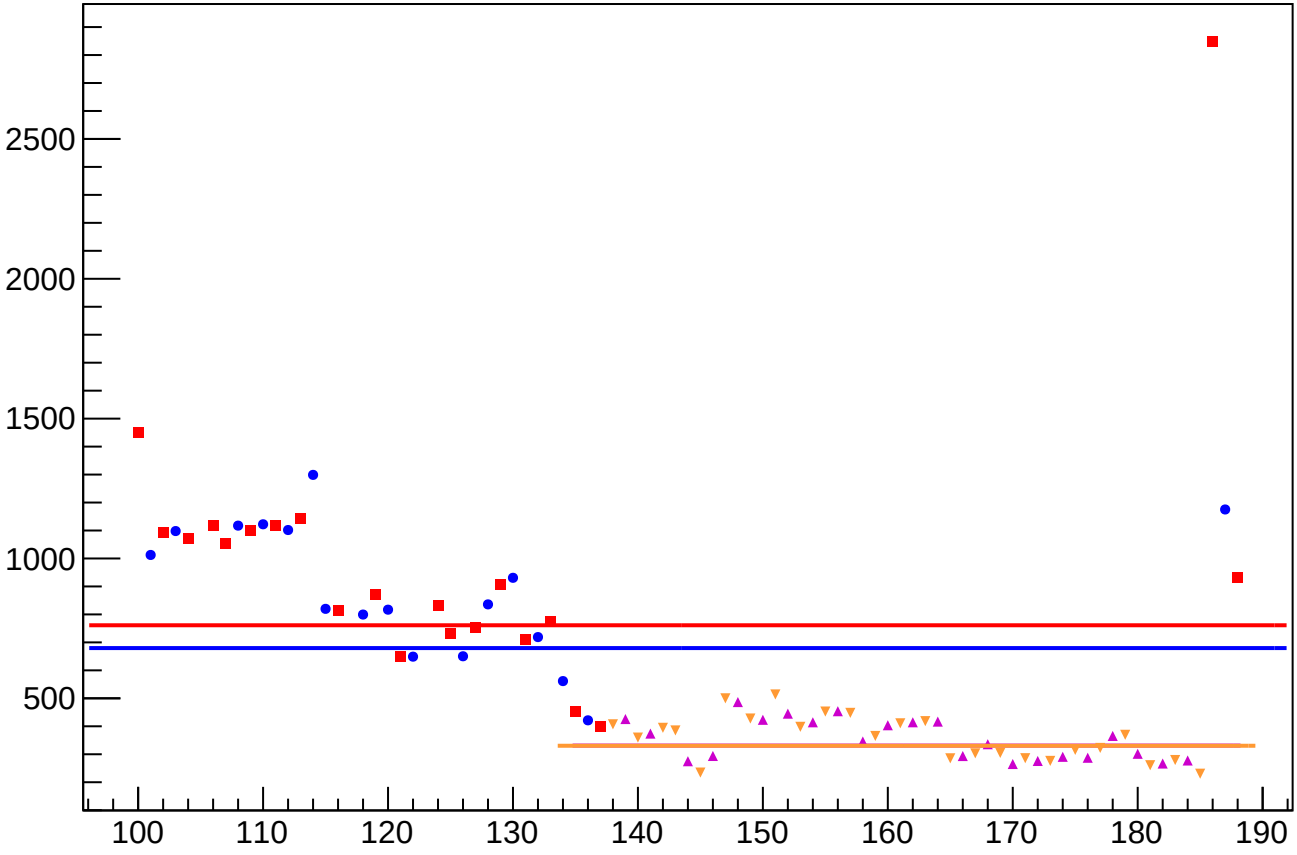
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 135.014+/-74.072 χ^2/NDF: 52.3/41

All: 71.029+/-53.037 χ^2/NDF: 106.3/85

- sign 3.713+/-75.976 χ^2/NDF: 52.4/43

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 679.643+/-0.188 χ^2/NDF: 1685255.8/16

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 761.199+/-0.192 χ^2/NDF: 2026882.4/20

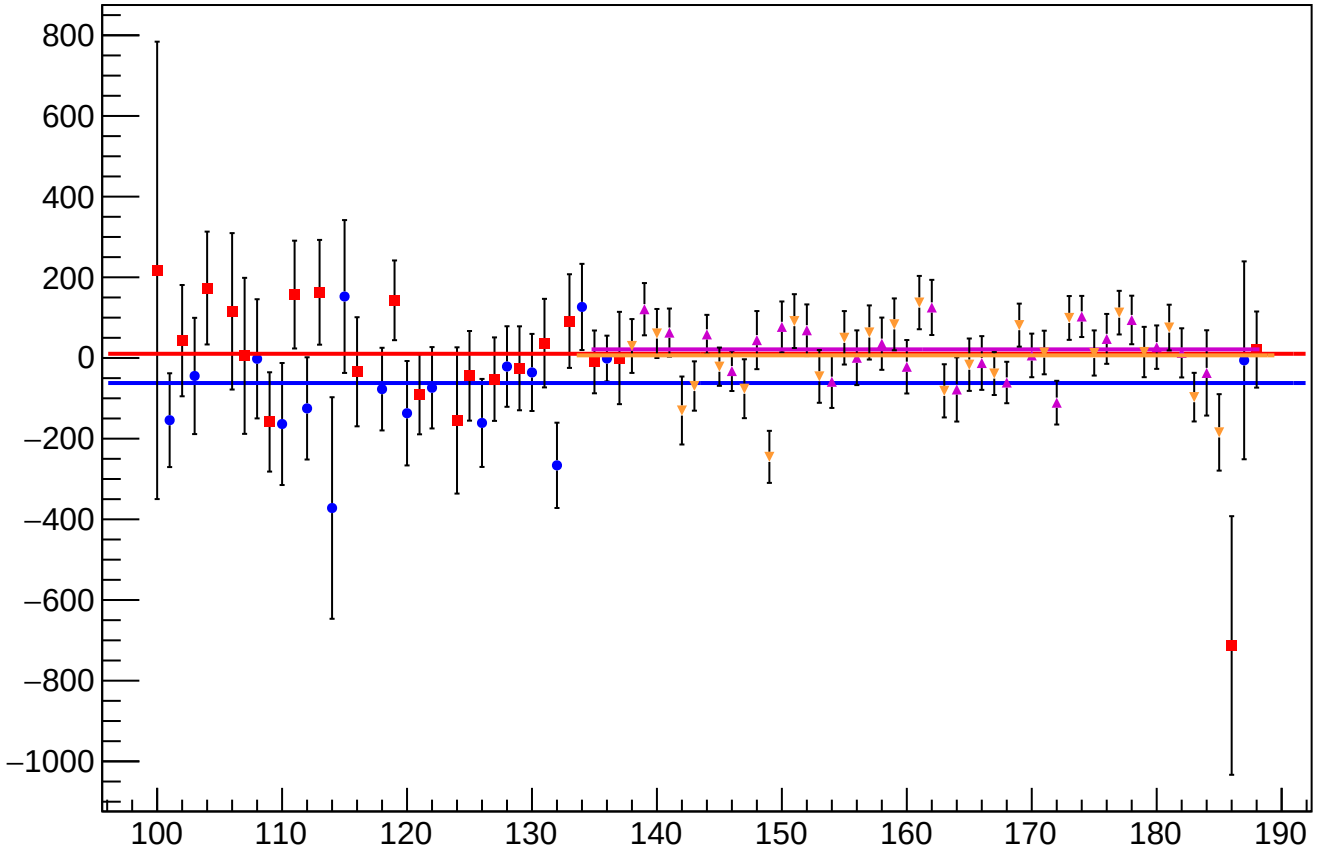
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 357.585+/-0.052 χ^2/NDF: 6628552.0/41

All: 361.015+/-0.038 χ^2/NDF: 14601853.6/85

- sign 364.623+/-0.054 χ^2/NDF: 7964502.3/43

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.096+/-27.047 χ^2/NDF: 13.5/16

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 10.407+/-26.561 χ^2/NDF: 16.5/20

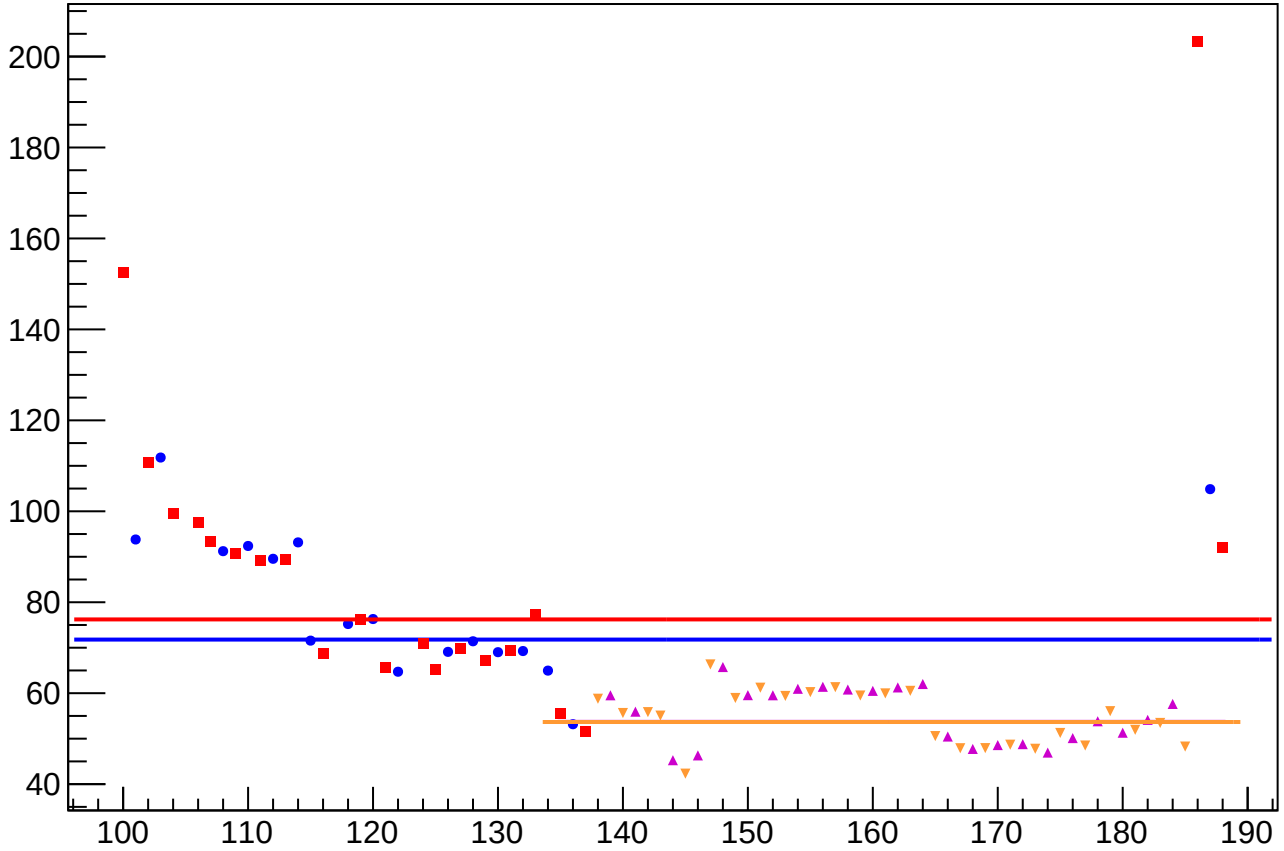
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -5.214+/-11.187 χ^2/NDF: 69.5/41

All: 6.797+/-7.992 χ^2/NDF: 113.9/85

- sign 19.314+/-11.420 χ^2/NDF: 42.0/43

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.790+/-0.019 χ^2/NDF: 627731.3/16

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

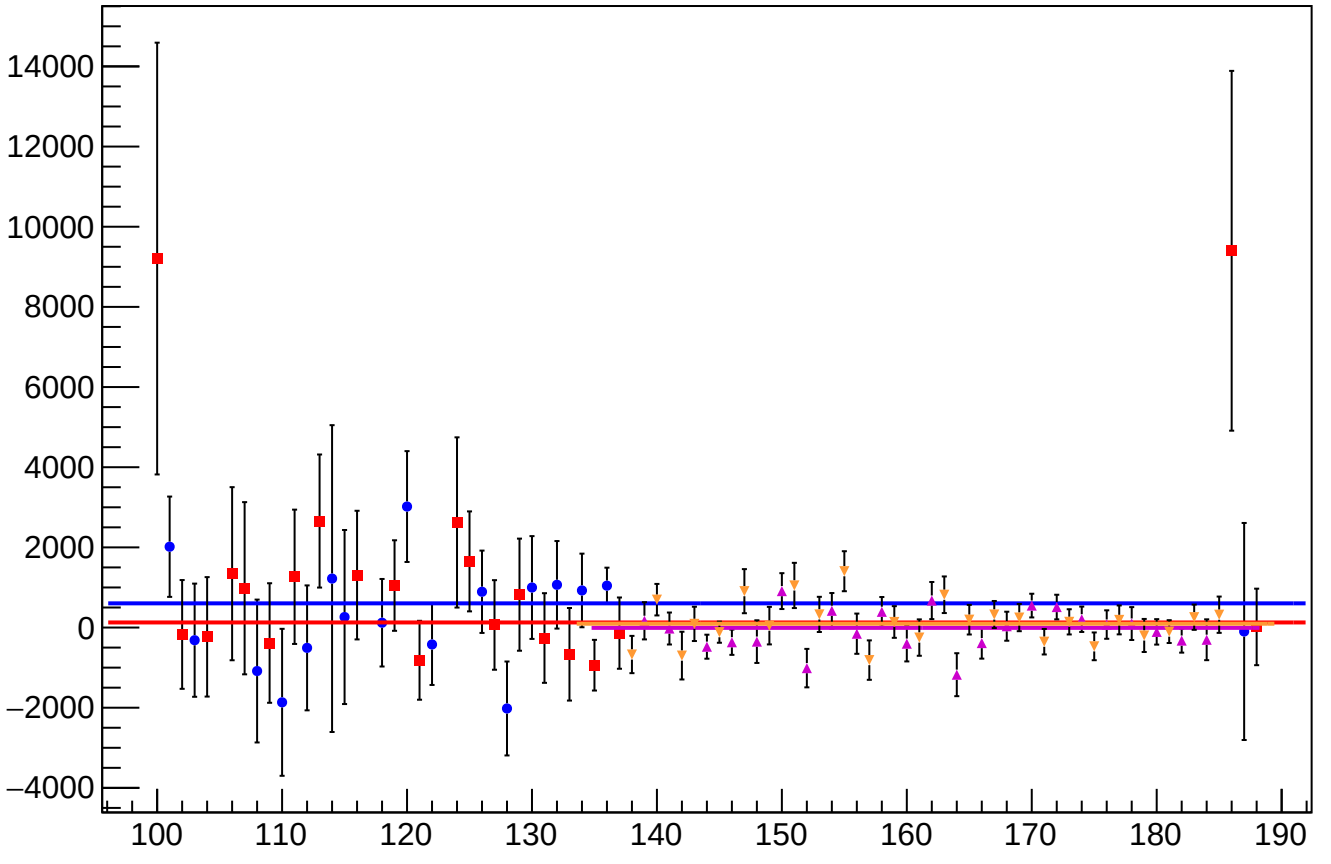
Right Out: 76.222+/-0.019 χ^2/NDF: 1011636.8/20

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.766+/-0.008 χ^2/NDF: 1844410.1/41

All: 57.302+/-0.006 χ^2/NDF: 4509525.5/85

- sign 57.859+/-0.008 χ^2/NDF: 2655762.7/43



Right In: 603.732+/-265.516 χ^2/NDF: 15.8/16

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: 126.975+/-272.435 χ^2/NDF: 19.4/20

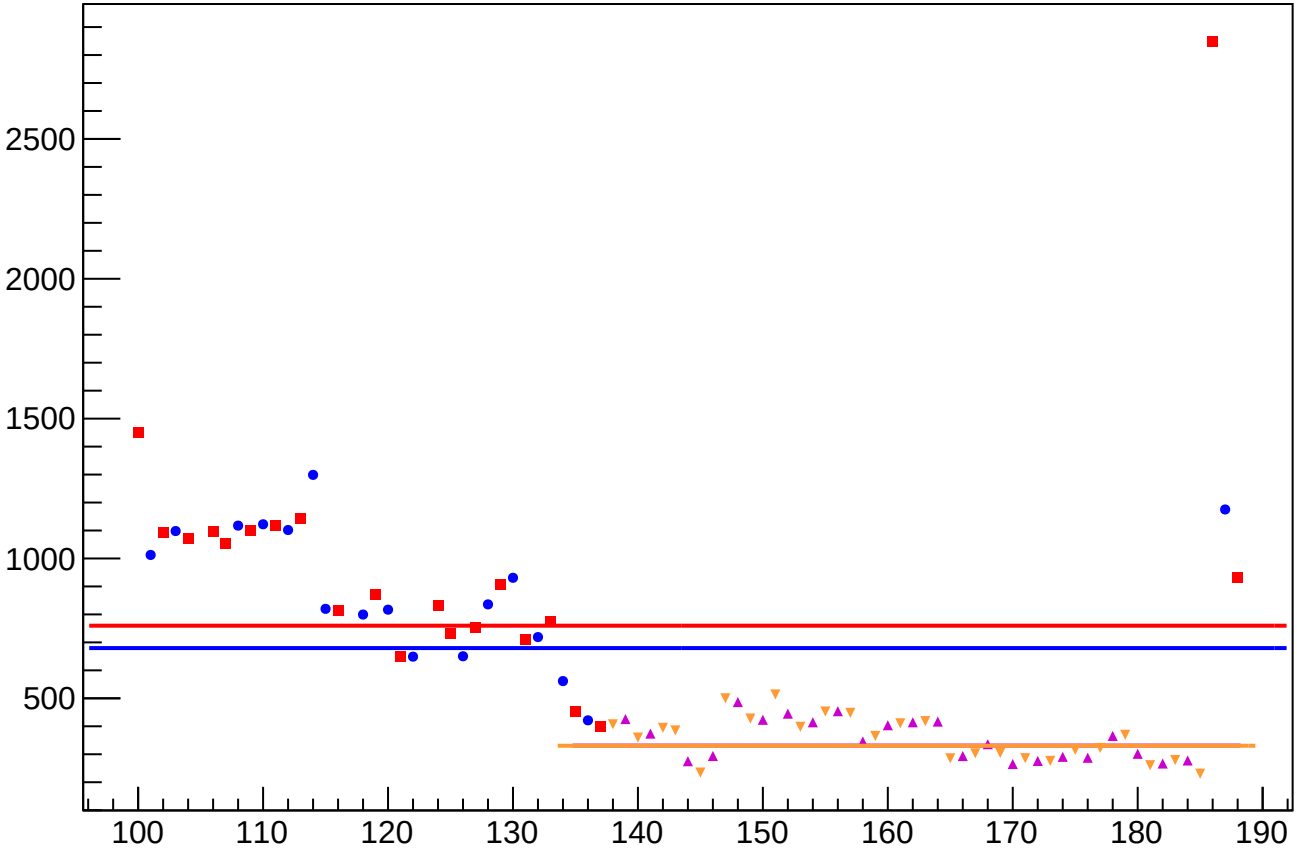
Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 135.015+/-74.072 χ^2/NDF: 52.3/41

All: 70.503+/-53.040 χ^2/NDF: 105.8/85

- sign 2.615+/-75.985 χ^2/NDF: 51.9/43

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 679.643+/-0.188 χ^2/NDF: 1685281.0/16

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

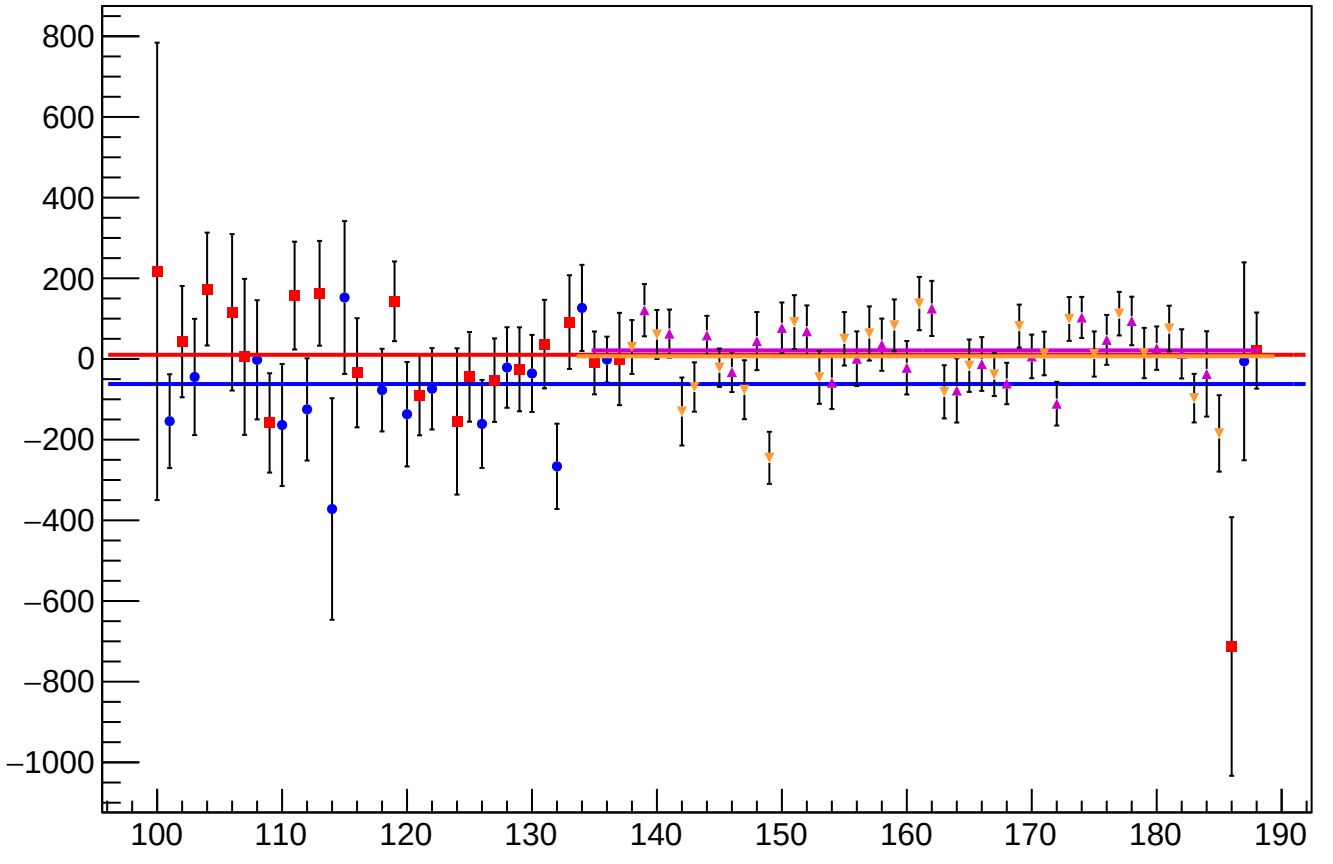
Right Out: 759.673+/-0.193 χ^2/NDF: 2009109.0/20

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 357.585+/-0.052 χ^2/NDF: 6628571.5/41

All: 360.906+/-0.038 χ^2/NDF: 14536805.3/85

- sign 364.401+/-0.054 χ^2/NDF: 7899982.0/43



Right In: -62.096+/-27.047 χ^2/NDF: 13.5/16

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 10.407+/-26.561 χ^2/NDF: 16.5/20

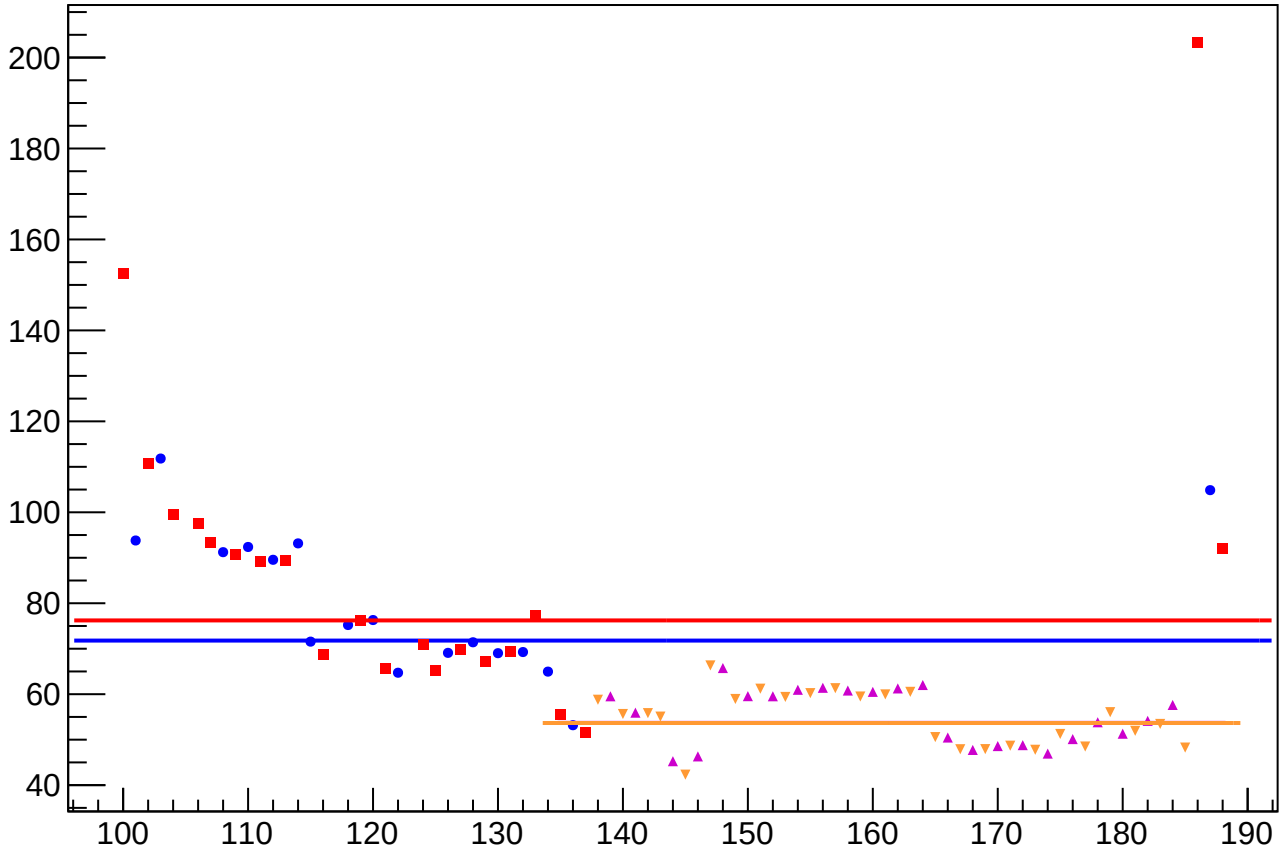
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -5.214+/-11.187 χ^2/NDF: 69.5/41

All: 6.797+/-7.992 χ^2/NDF: 113.9/85

- sign 19.314+/-11.420 χ^2/NDF: 42.0/43

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.790+/-0.019 χ^2/NDF: 627731.3/16

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

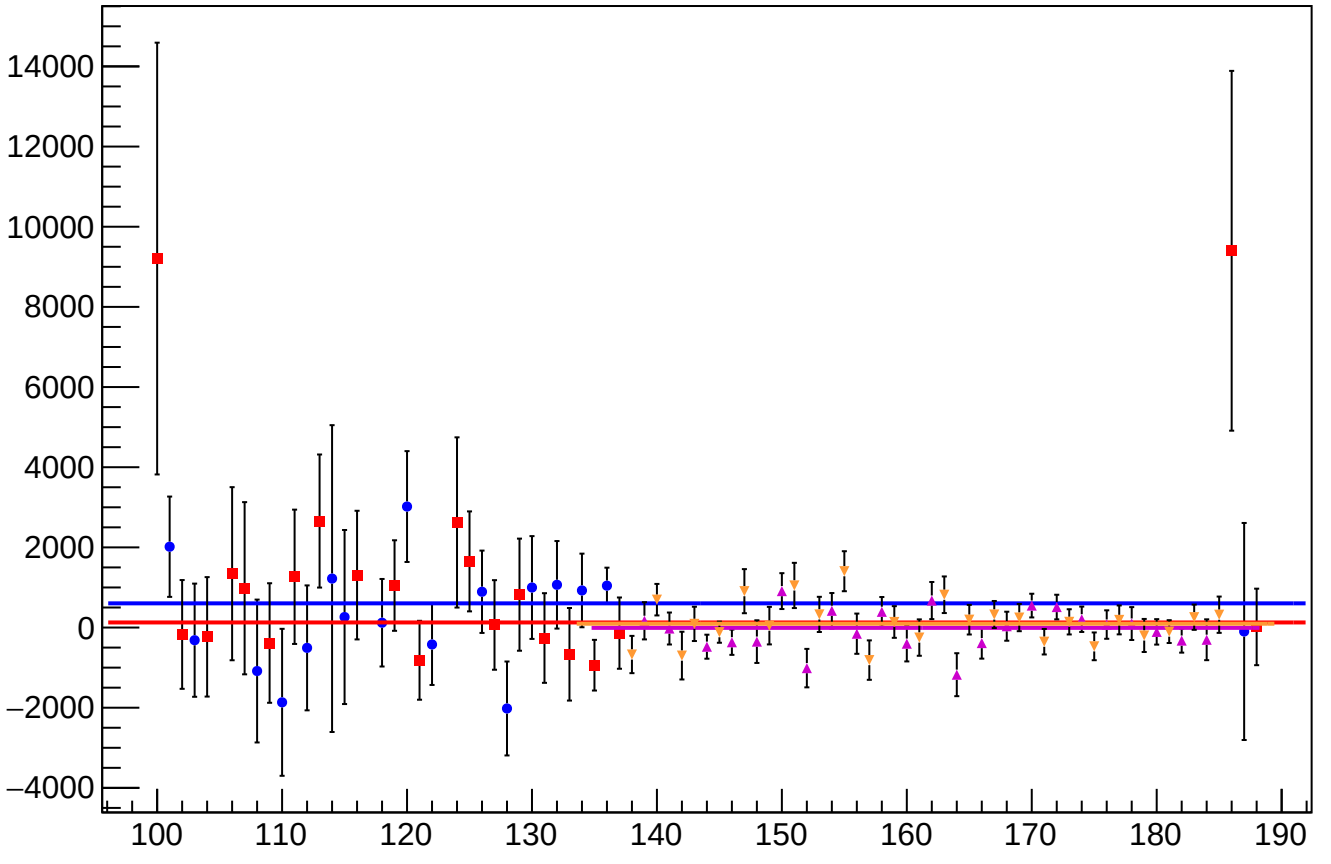
Right Out: 76.222+/-0.019 χ^2/NDF: 1011636.8/20

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.766+/-0.008 χ^2/NDF: 1844410.1/41

All: 57.302+/-0.006 χ^2/NDF: 4509525.5/85

- sign 57.859+/-0.008 χ^2/NDF: 2655762.7/43



Right In: 603.732+/-265.516 χ^2/NDF: 15.8/16

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

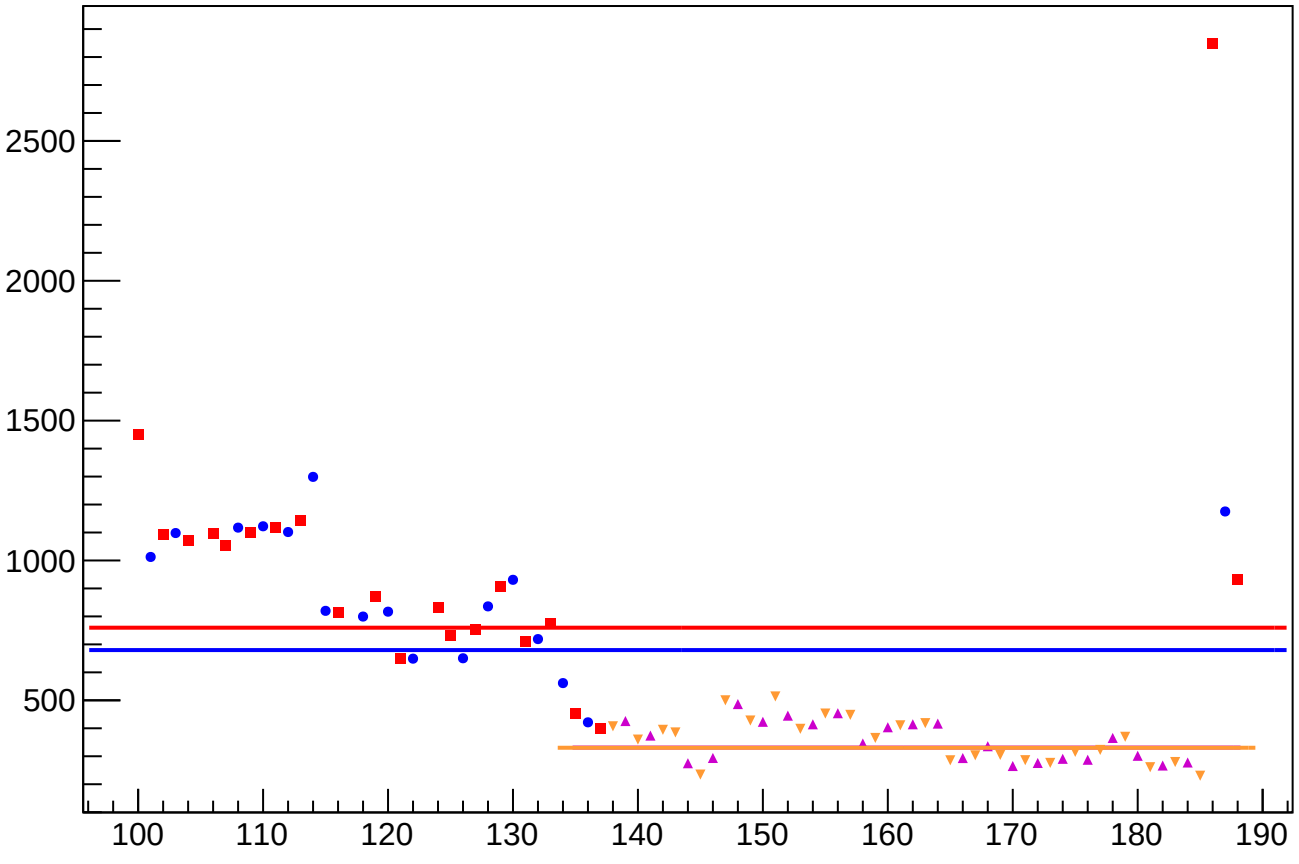
Right Out: 126.975+/-272.435 χ^2/NDF: 19.4/20

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 135.015+/-74.072 χ^2/NDF: 52.3/41

All: 70.503+/-53.040 χ^2/NDF: 105.8/85

- sign 2.615+/-75.985 χ^2/NDF: 51.9/43



Right In: 679.643+/-0.188 χ^2/NDF: 1685281.0/16

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 759.673+/-0.193 χ^2/NDF: 2009109.0/20

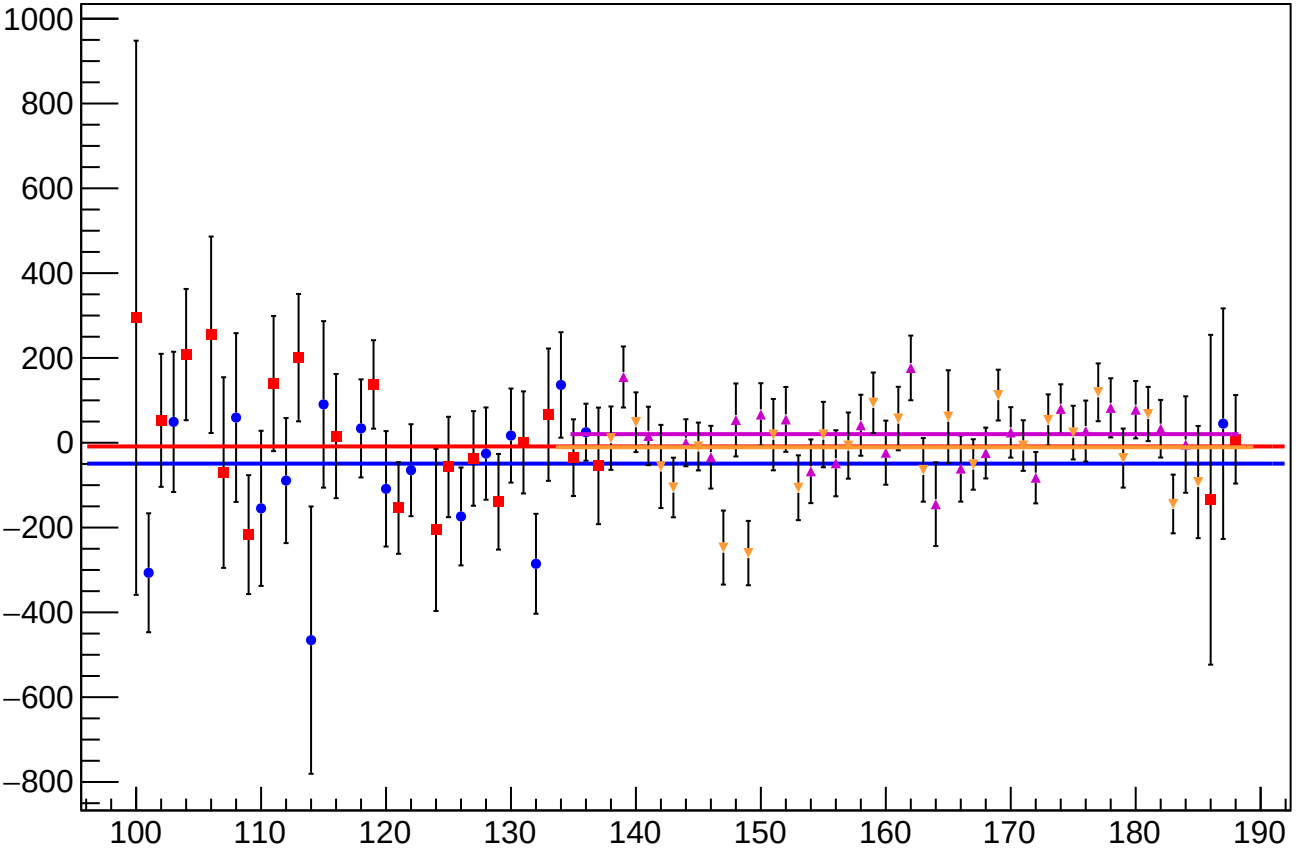
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 357.585+/-0.052 χ^2/NDF: 6628571.5/41

All: 360.906+/-0.038 χ^2/NDF: 14536805.3/85

- sign 364.401+/-0.054 χ^2/NDF: 7899982.0/43

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -49.235+/-30.860 χ^2/NDF: 16.5/16

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -8.680+/-29.835 χ^2/NDF: 15.7/20

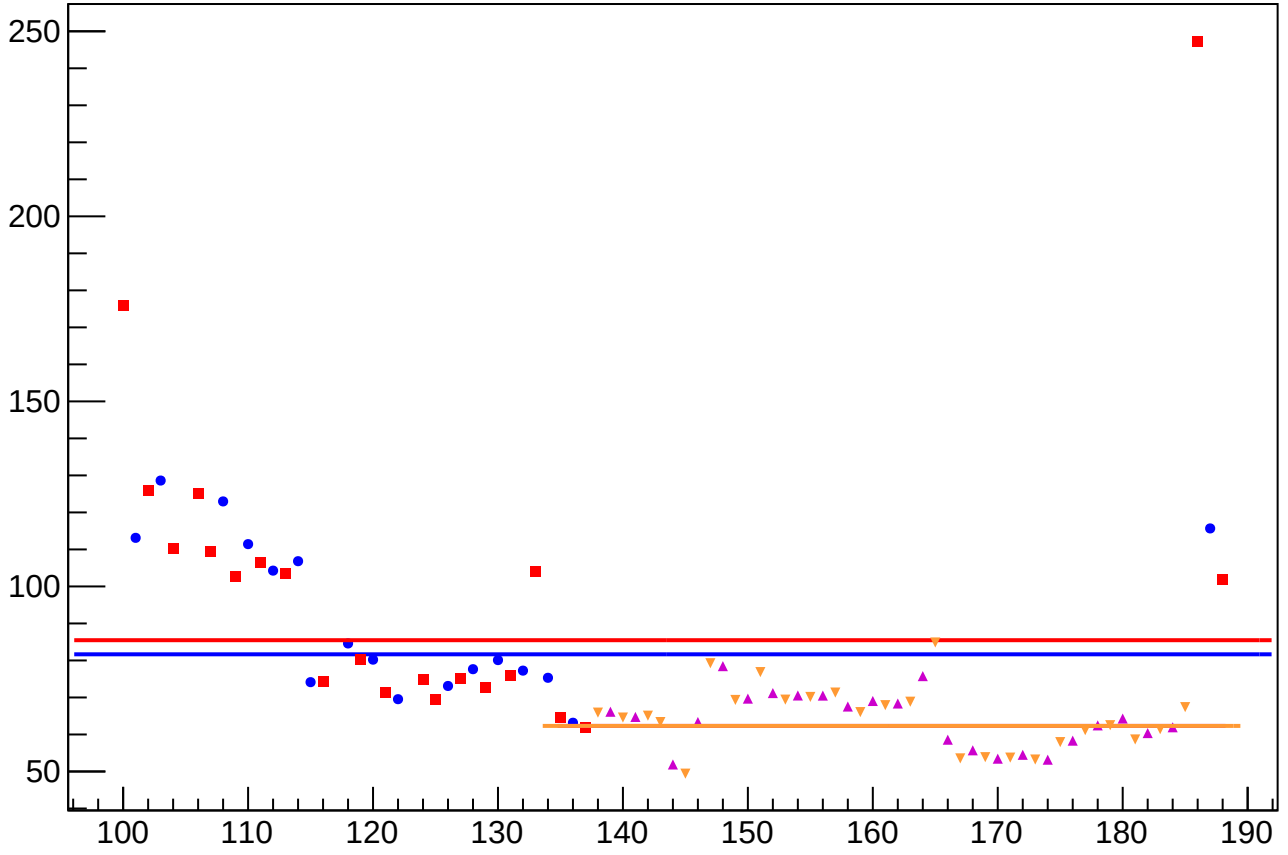
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -17.449+/-12.983 χ^2/NDF: 60.0/41

All: -1.711+/-9.264 χ^2/NDF: 101.2/85

- sign 14.613+/-13.222 χ^2/NDF: 38.1/43

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.662+/-0.022 χ^2/NDF: 694597.4/16

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 85.473+/-0.021 χ^2/NDF: 1137757.5/20

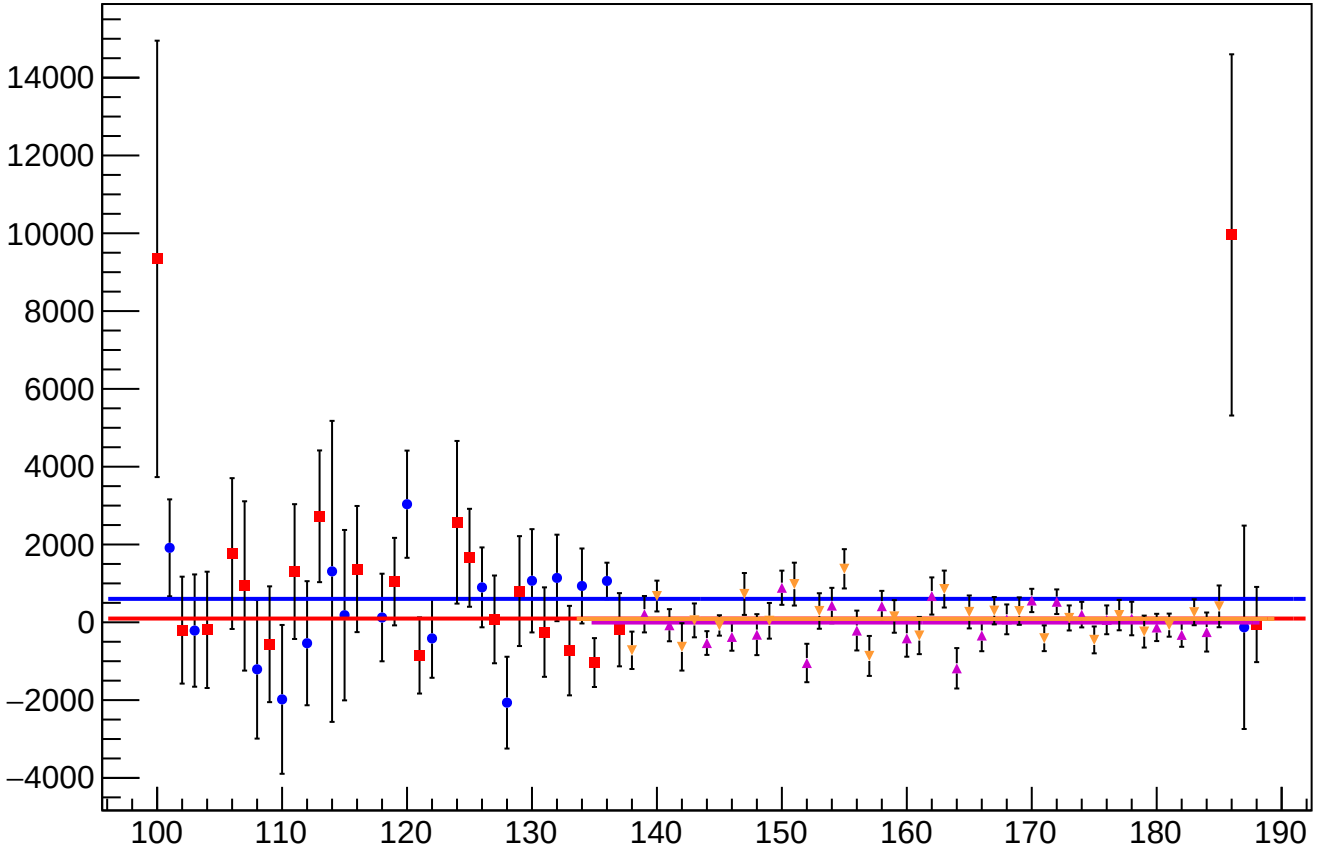
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 65.740+/-0.009 χ^2/NDF: 1977730.8/41

All: 66.290+/-0.007 χ^2/NDF: 4576087.6/85

- sign 66.860+/-0.009 χ^2/NDF: 2591053.2/43

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 602.357+/-272.489 χ^2/NDF: 15.9/16

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 96.437+/-274.496 χ^2/NDF: 20.7/20

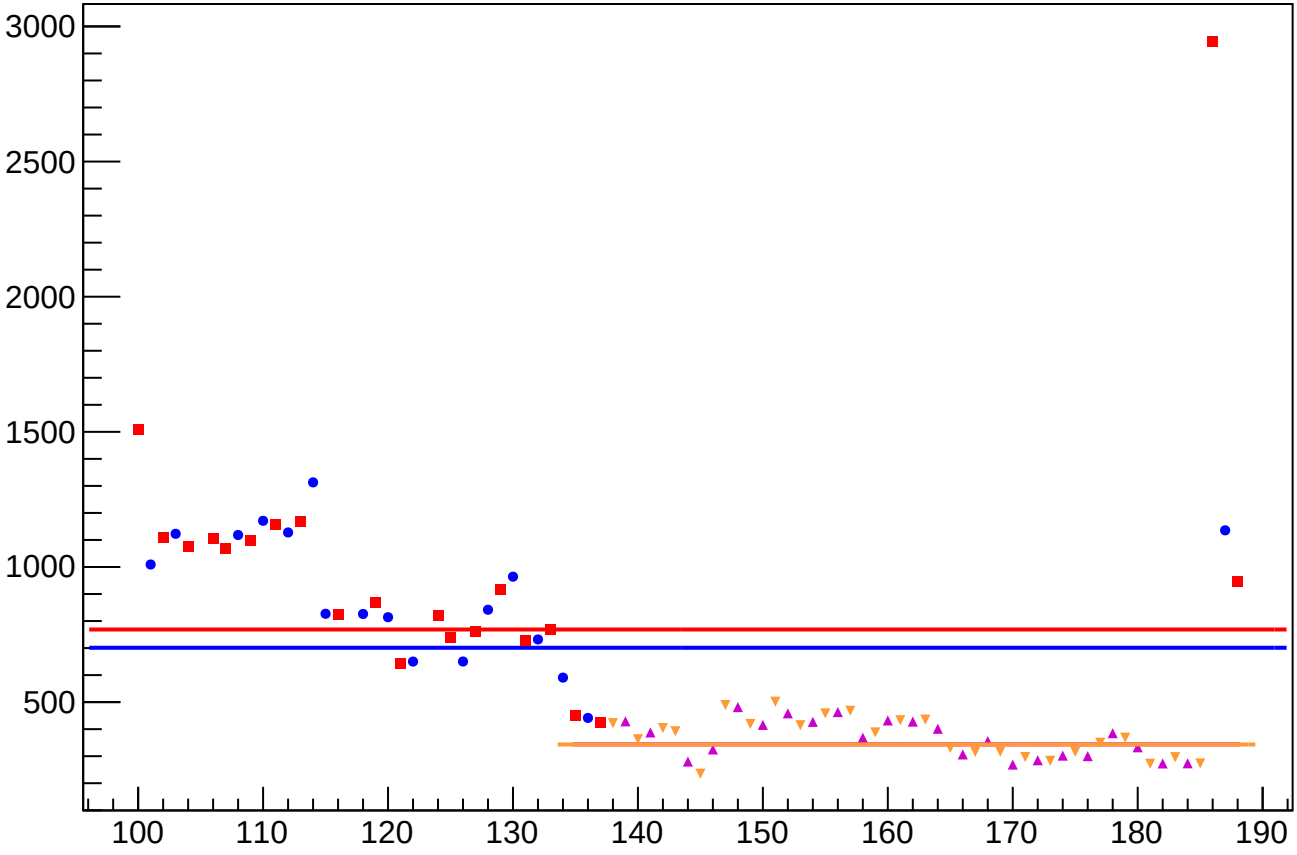
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.728+/-76.616 χ^2/NDF: 50.8/41

All: 66.503+/-54.886 χ^2/NDF: 105.4/85

- sign 1.957+/-78.666 χ^2/NDF: 53.3/43

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 701.144+/-0.193 χ^2/NDF: 1571341.3/16

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 768.700+/-0.194 χ^2/NDF: 2017736.8/20

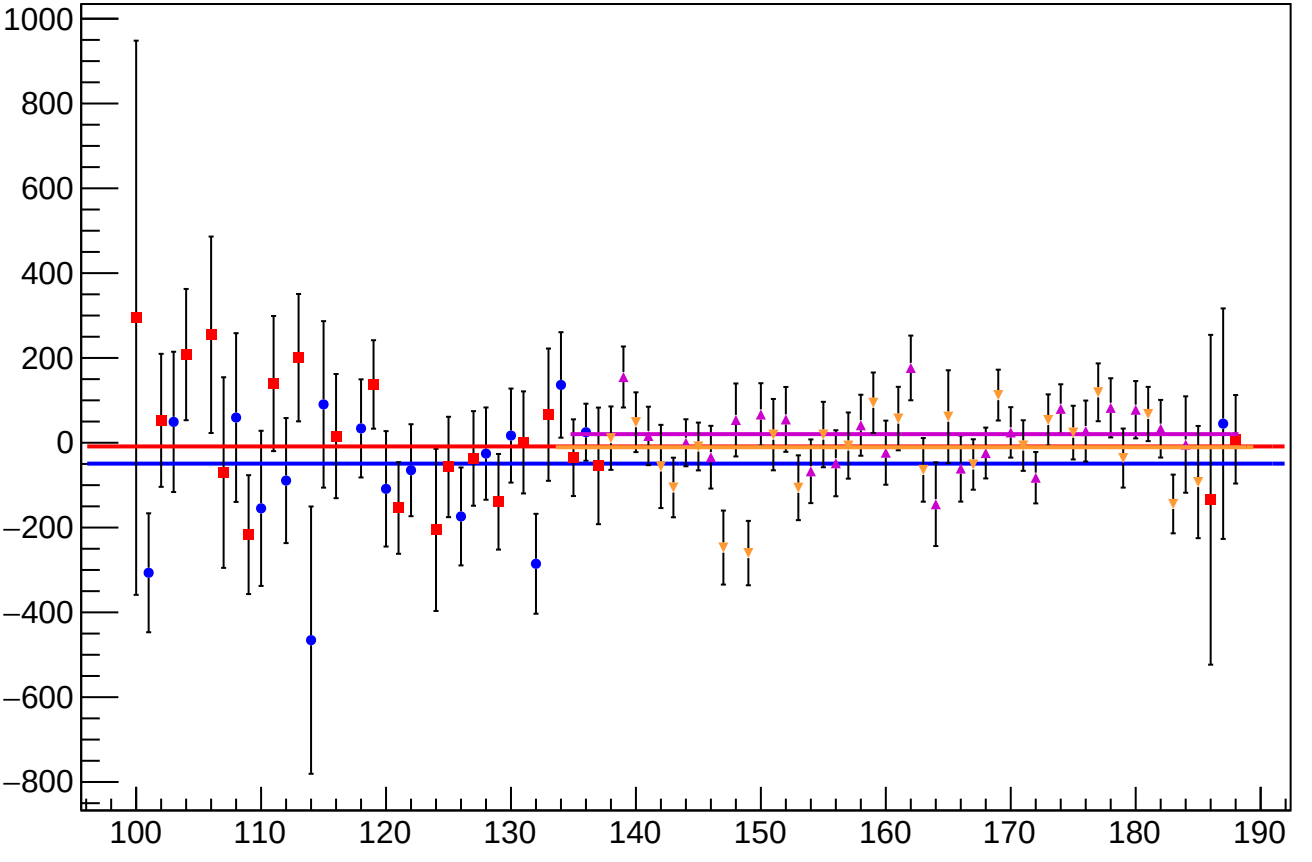
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 371.521+/-0.054 χ^2/NDF: 6344586.0/41

All: 374.977+/-0.039 χ^2/NDF: 14029362.8/85

- sign 378.621+/-0.056 χ^2/NDF: 7676414.8/43

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -49.235+/-30.860 χ^2/NDF: 16.5/16

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -8.680+/-29.835 χ^2/NDF: 15.7/20

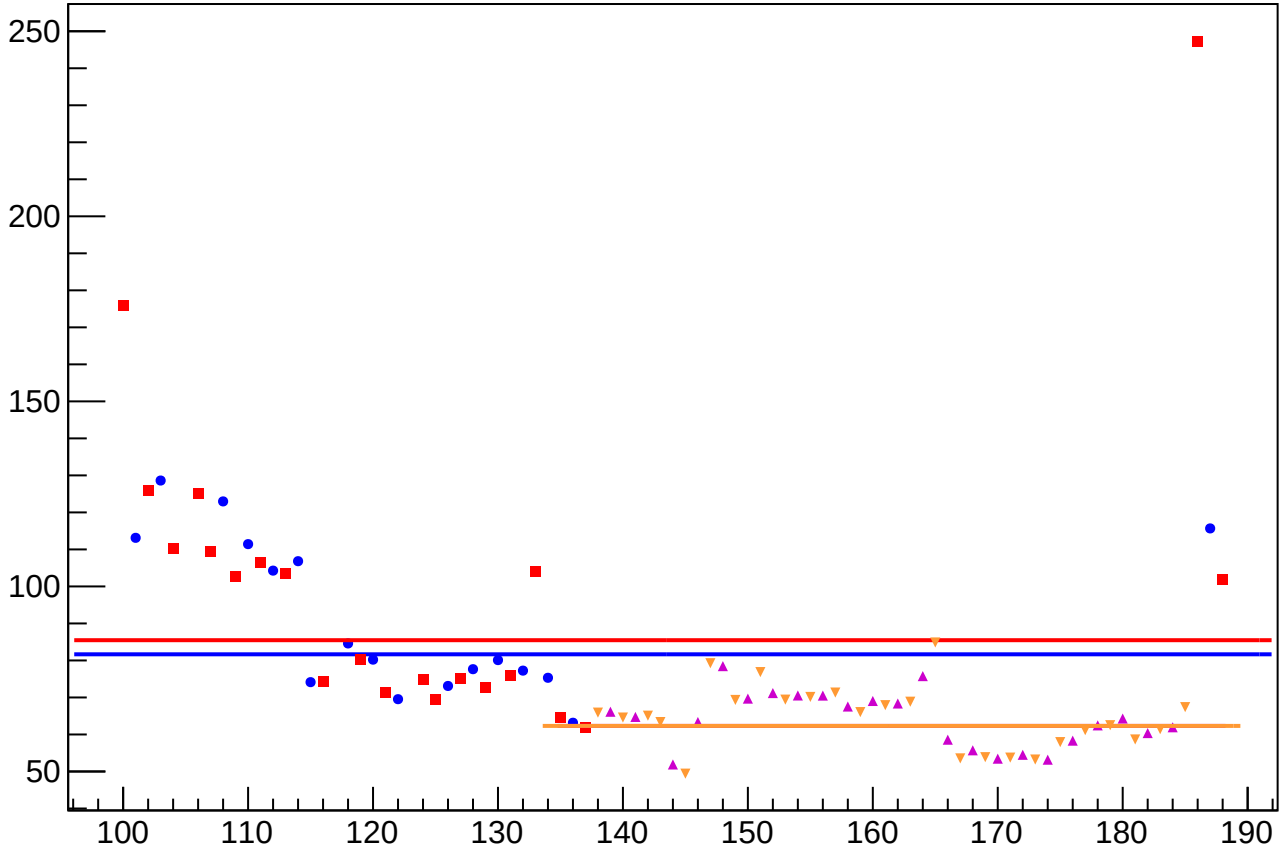
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -17.449+/-12.983 χ^2/NDF: 60.0/41

All: -1.711+/-9.264 χ^2/NDF: 101.2/85

- sign 14.612+/-13.222 χ^2/NDF: 38.1/43

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.662+/-0.022 χ^2/NDF: 694586.8/16

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

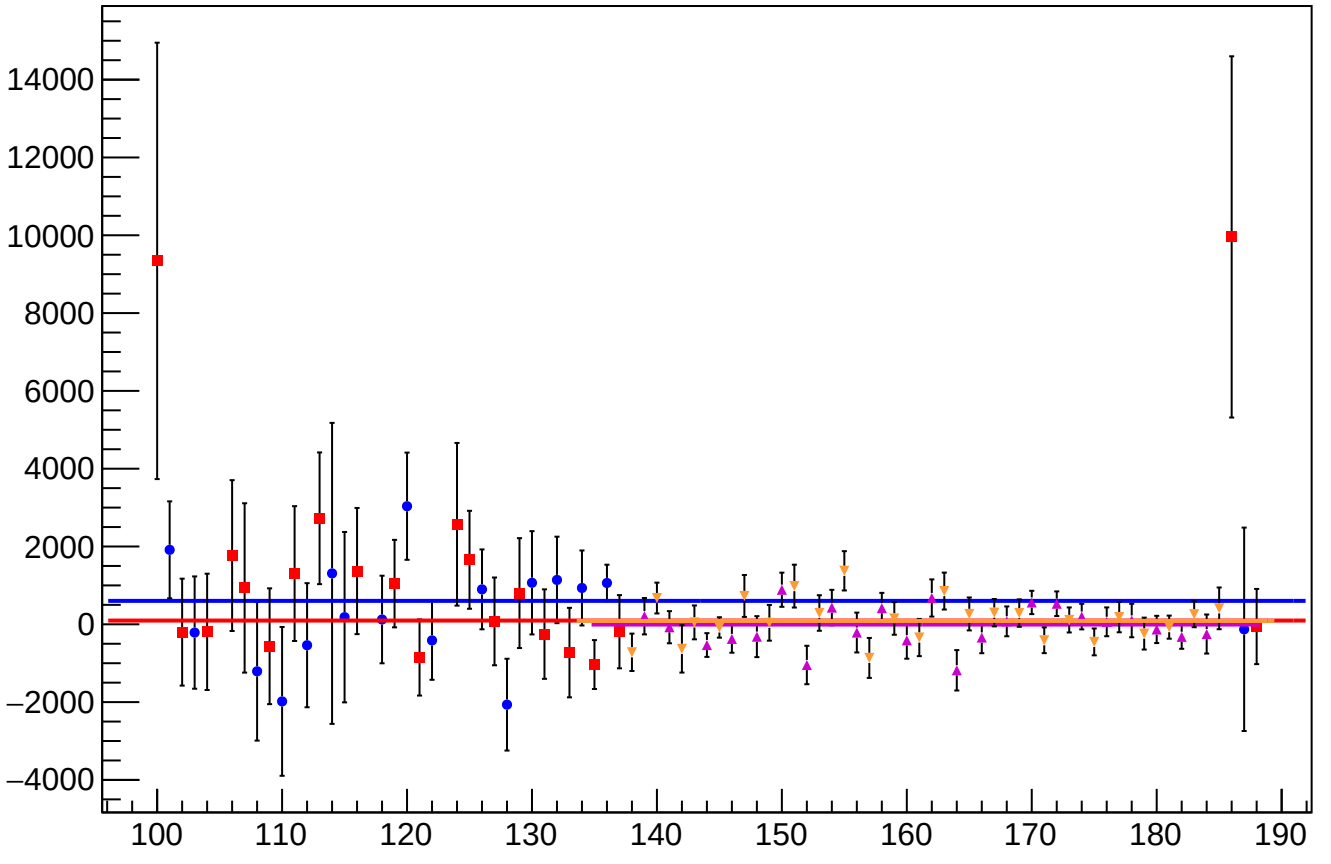
Right Out: 85.473+/-0.021 χ^2/NDF: 1137737.4/20

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 65.740+/-0.009 χ^2/NDF: 1977689.4/41

All: 66.290+/-0.007 χ^2/NDF: 4575989.1/85

- sign 66.860+/-0.009 χ^2/NDF: 2590994.3/43



Right In: 602.356+/-272.489 χ^2/NDF: 15.9/16

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

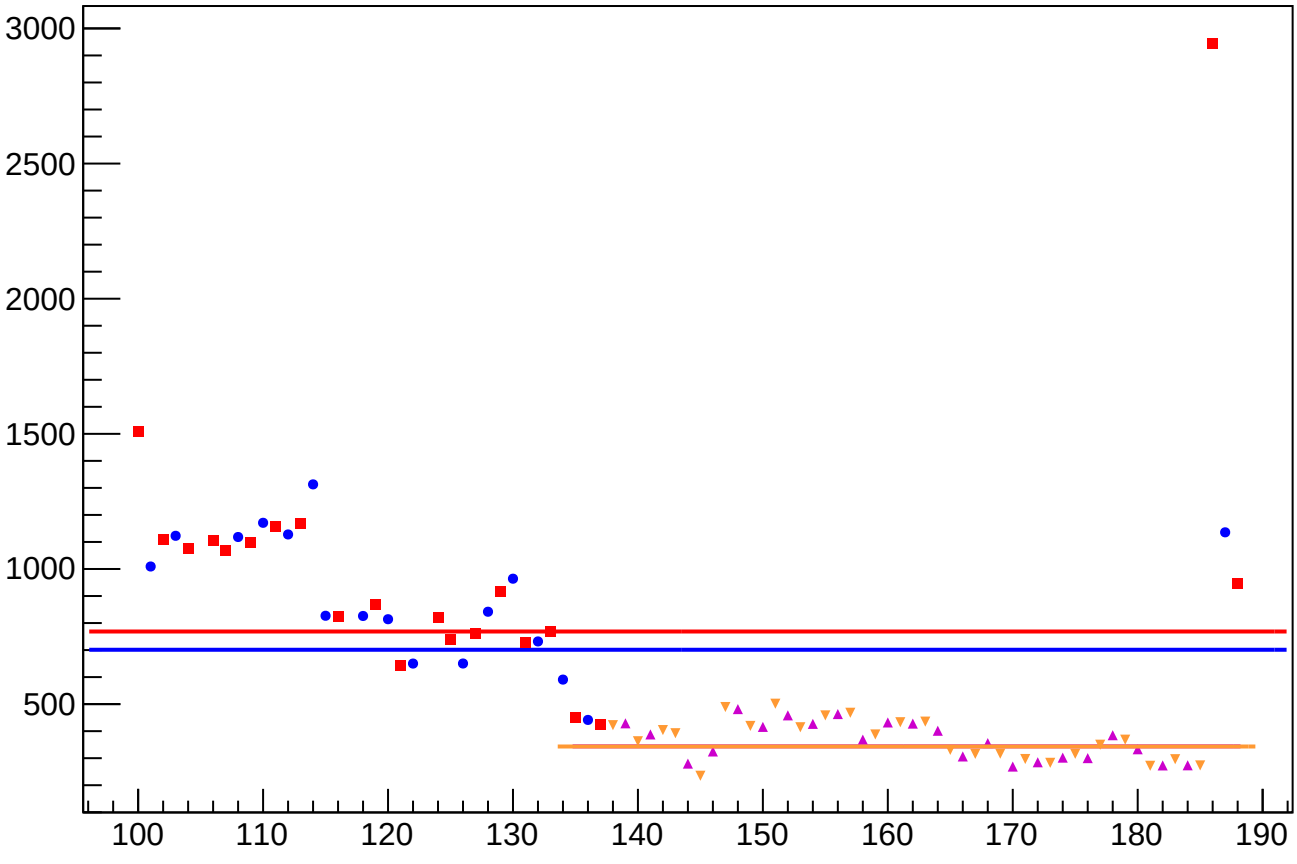
Right Out: 96.438+/-274.495 χ^2/NDF: 20.7/20

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.729+/-76.616 χ^2/NDF: 50.8/41

All: 66.503+/-54.886 χ^2/NDF: 105.4/85

- sign 1.957+/-78.666 χ^2/NDF: 53.3/43



Right In: 701.143+/-0.193 χ^2/NDF: 1571325.3/16

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 768.699+/-0.194 χ^2/NDF: 2017725.2/20

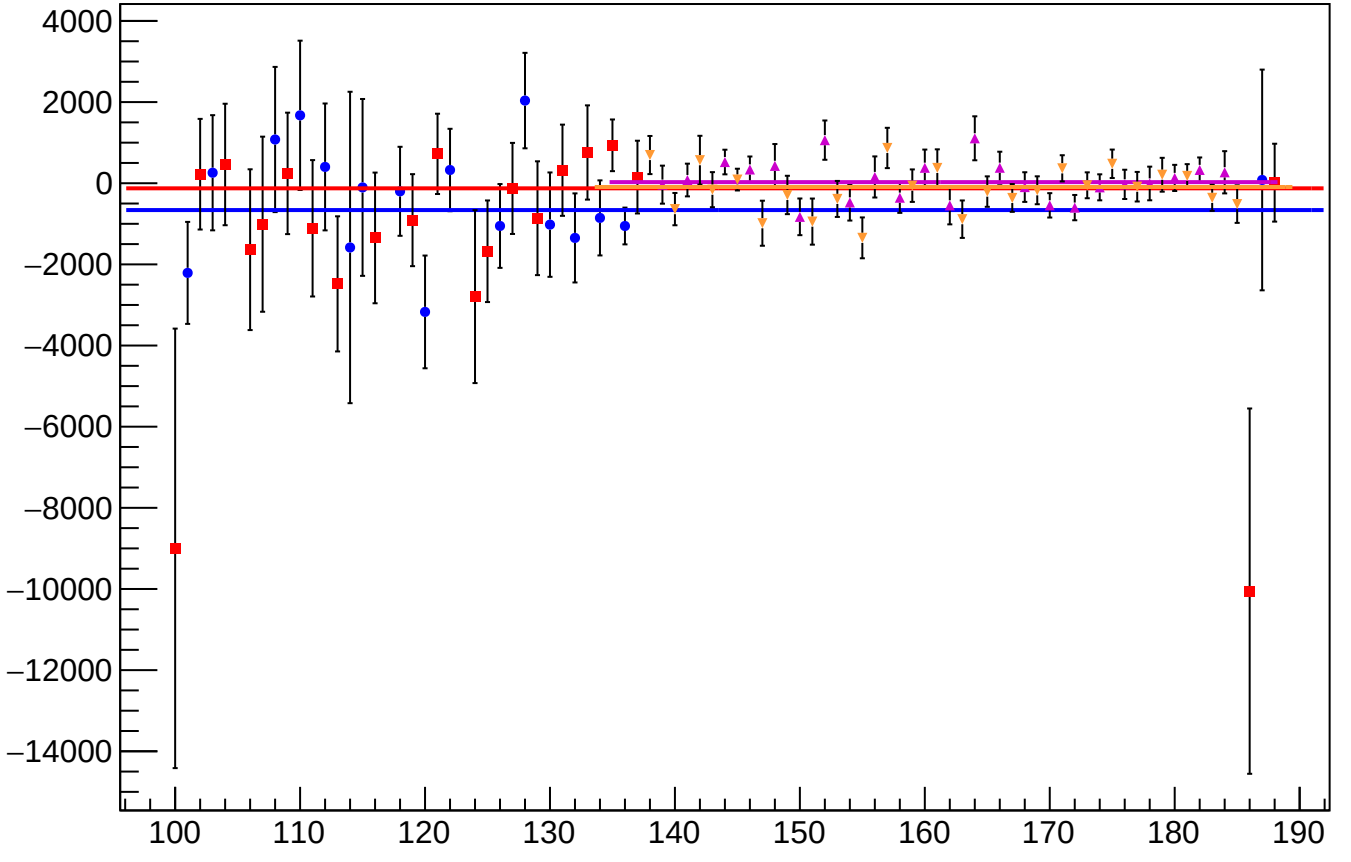
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 371.521+/-0.054 χ^2/NDF: 6344584.8/41

All: 374.977+/-0.039 χ^2/NDF: 14029354.4/85

- sign 378.621+/-0.056 χ^2/NDF: 7676407.3/43

asym_sam_15_26_dd_mean vs Slug



Right In: -661.277+/-267.154 χ^2/NDF: 16.2/16

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

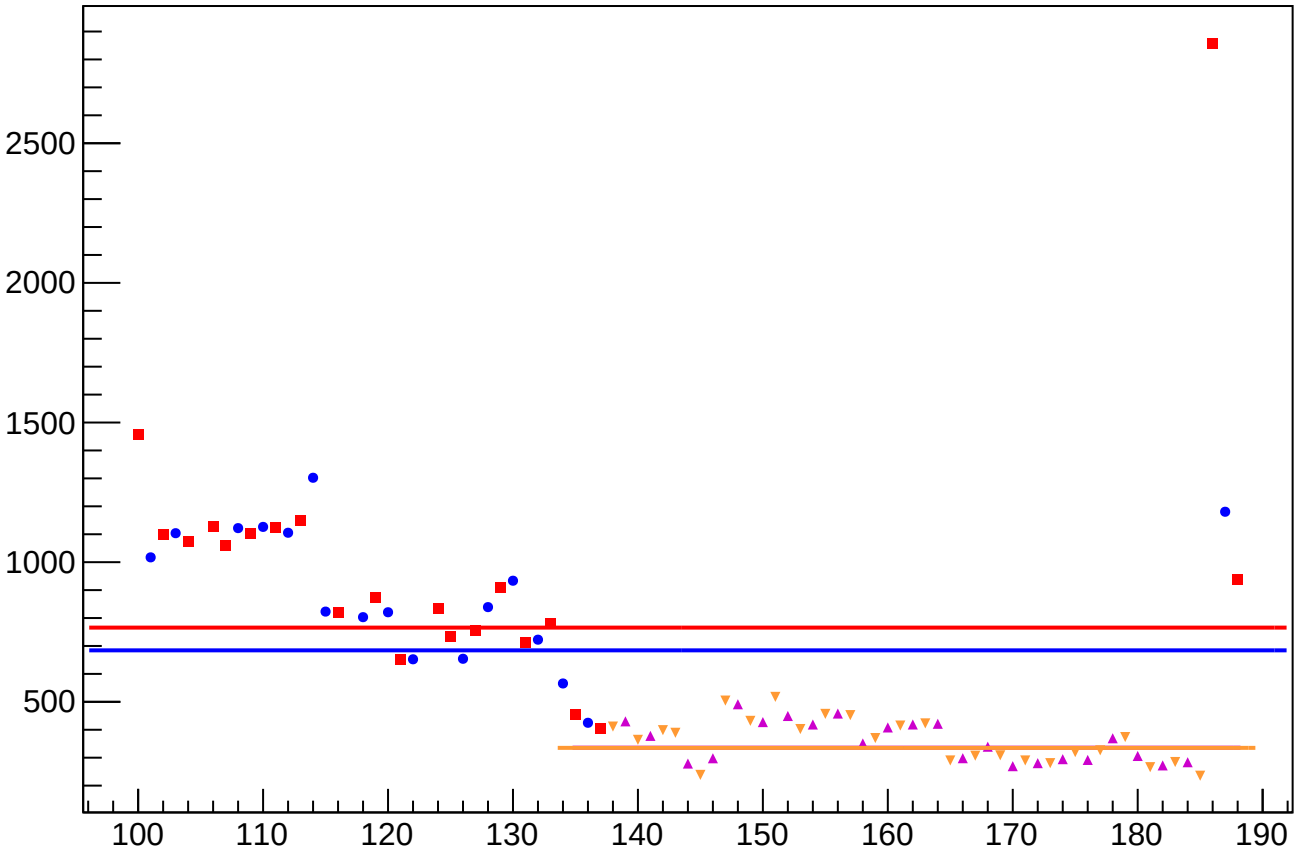
Right Out: -125.656+/-273.479 χ^2/NDF: 19.7/20

Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -137.529+/-75.037 χ^2/NDF: 54.6/41

All: -63.166+/-53.728 χ^2/NDF: 107.5/85

- sign 15.069+/-76.966 χ^2/NDF: 50.9/43



Right In: 684.303+/-0.189 χ^2/NDF: 1668147.8/16

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

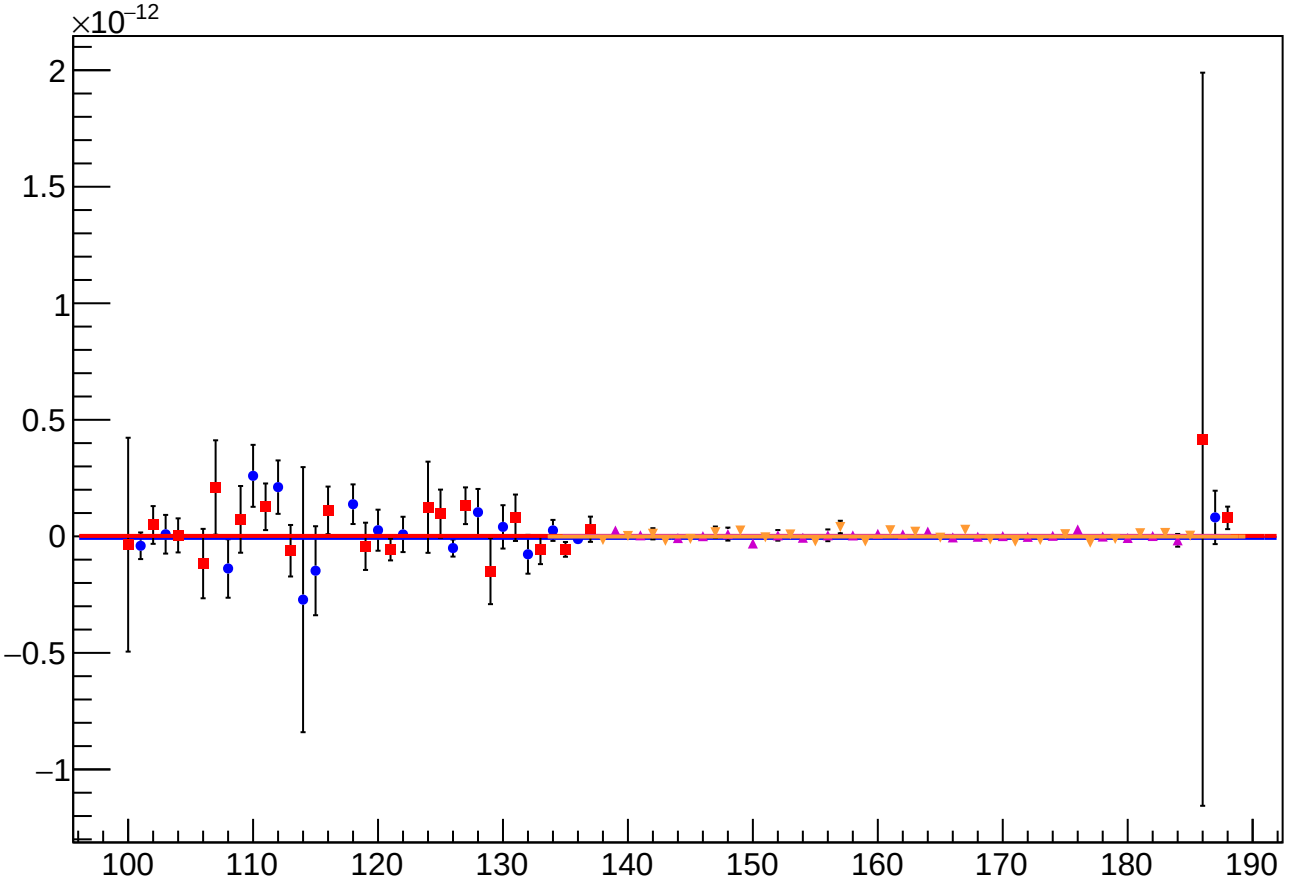
Right Out: 765.727+/-0.193 χ^2/NDF: 2013476.8/20

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 362.695+/-0.053 χ^2/NDF: 6520815.4/41

All: 366.177+/-0.038 χ^2/NDF: 14386078.3/85

- sign 369.840+/-0.054 χ^2/NDF: 7856425.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

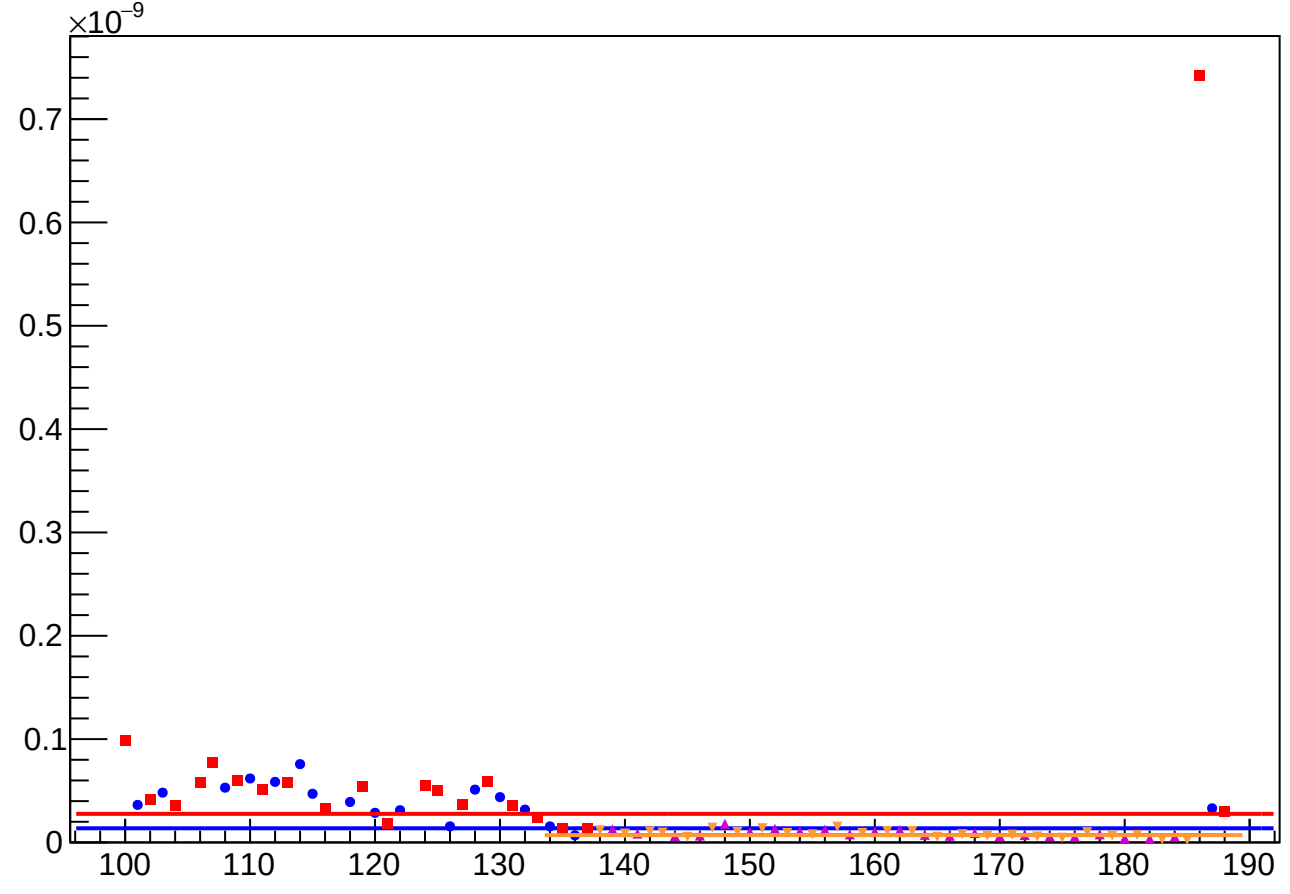
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/20

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.4/41

All: 0.000+/-0.000 χ^2/NDF: 86.6/85

- sign 0.000+/-0.000 χ^2/NDF: 34.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 3102751.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2155884.7/20

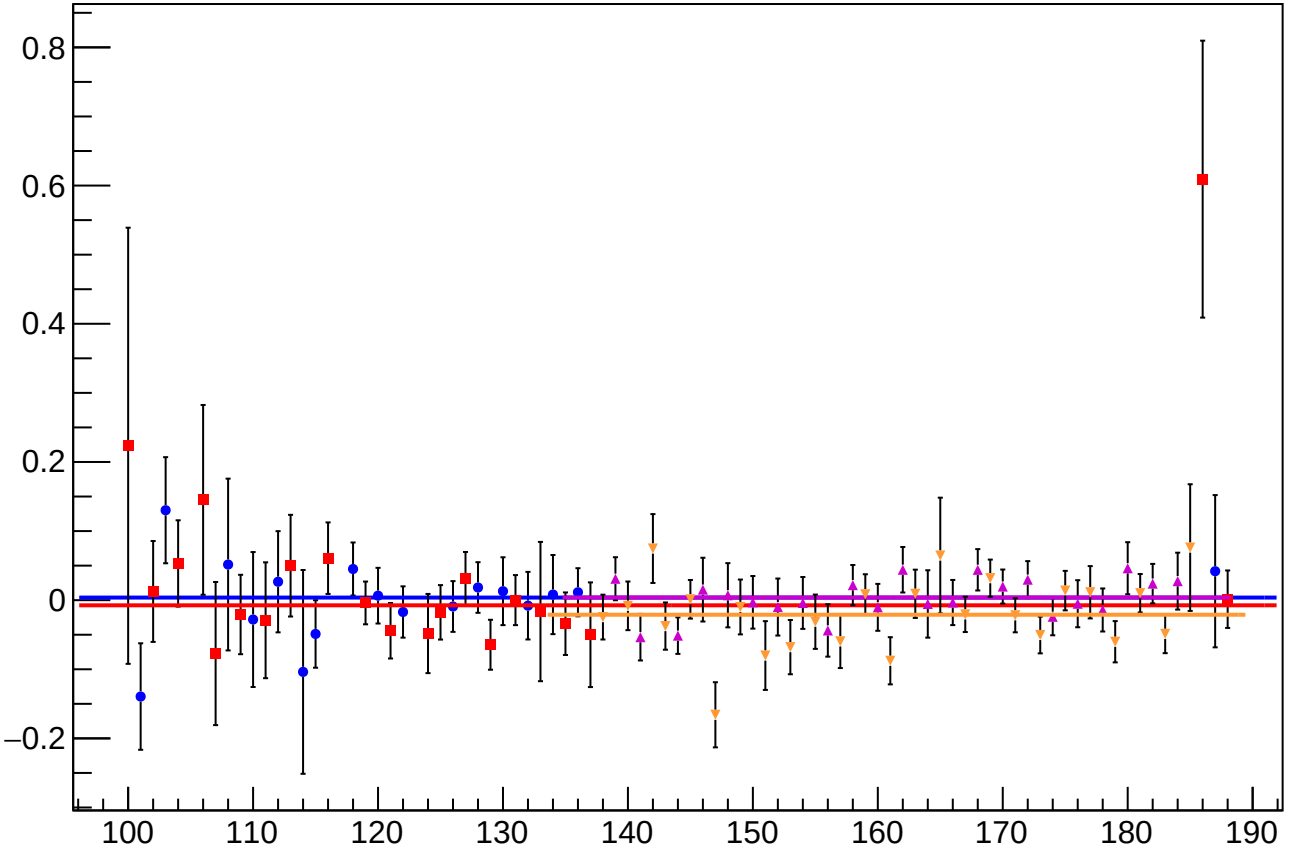
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5855533.0/41

All: 0.000+/-0.000 χ^2/NDF: 12682828.6/85

- sign 0.000+/-0.000 χ^2/NDF: 6813528.5/43

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.012 χ^2/NDF: 10.2/16

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

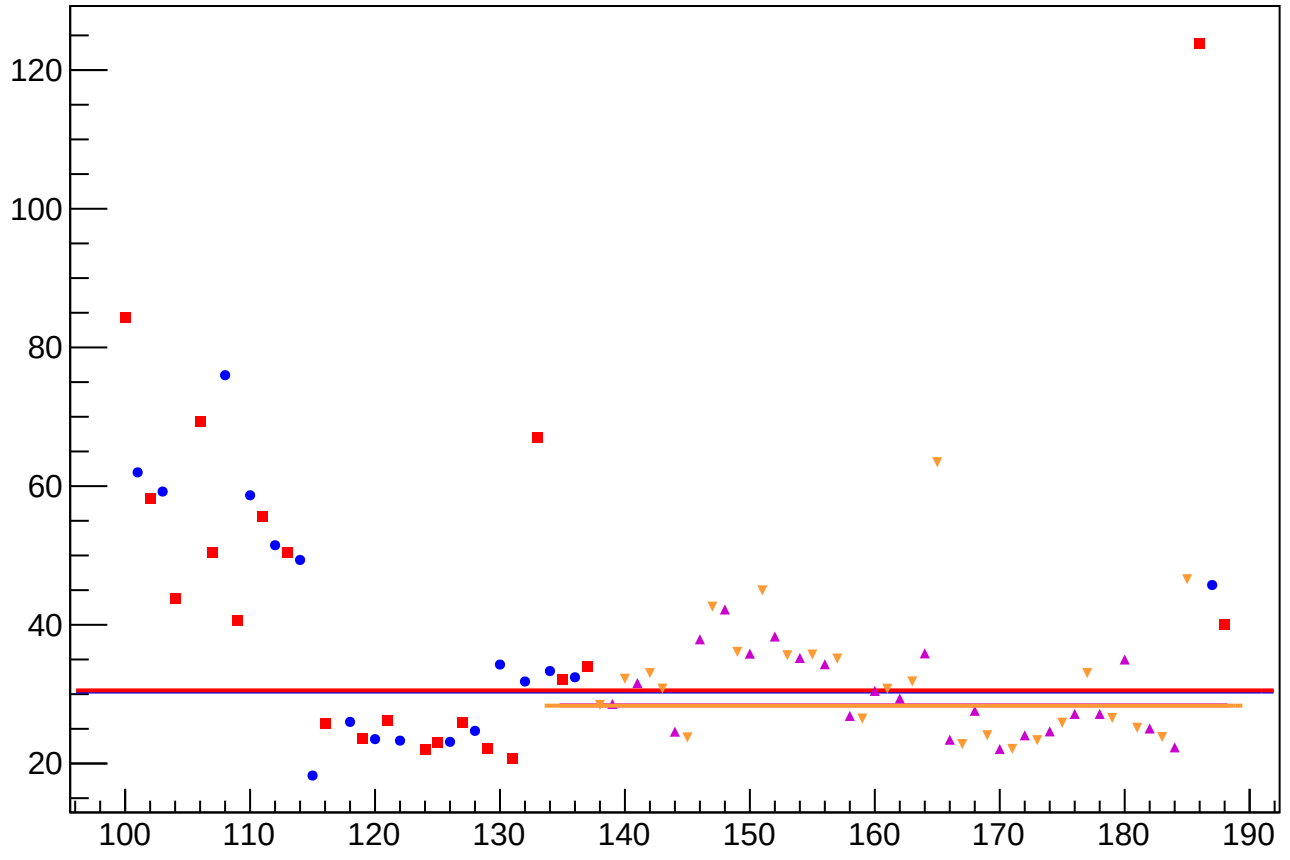
Right Out: -0.007+/-0.011 χ^2/NDF: 20.8/20

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.015+/-0.006 χ^2/NDF: 50.6/41

All: -0.007+/-0.004 χ^2/NDF: 94.6/85

- sign 0.001+/-0.006 χ^2/NDF: 40.2/43



Right In: 30.378+/-0.009 χ^2/NDF: 1726754.4/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

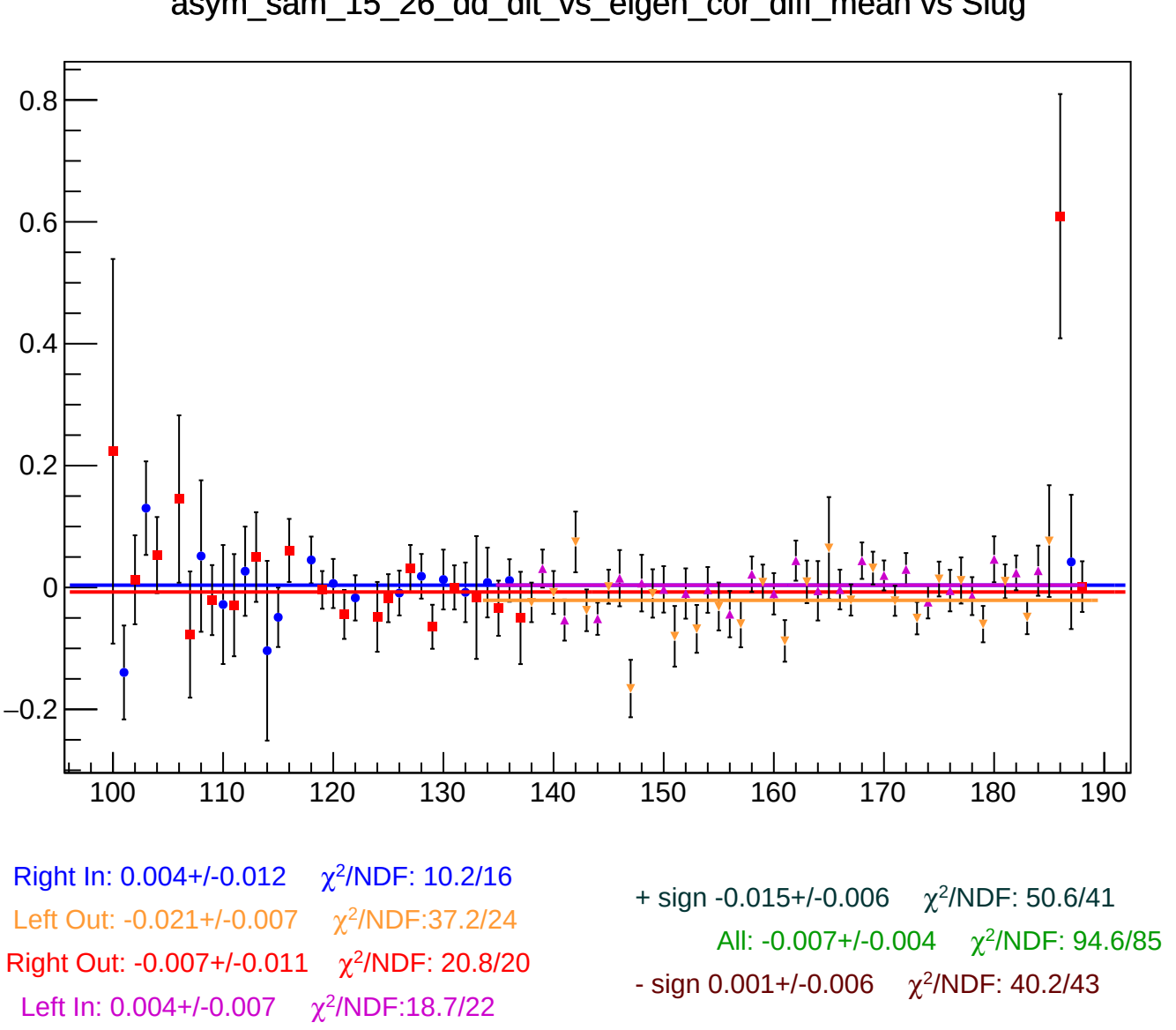
Right Out: 30.541+/-0.008 χ^2/NDF: 2402901.7/20

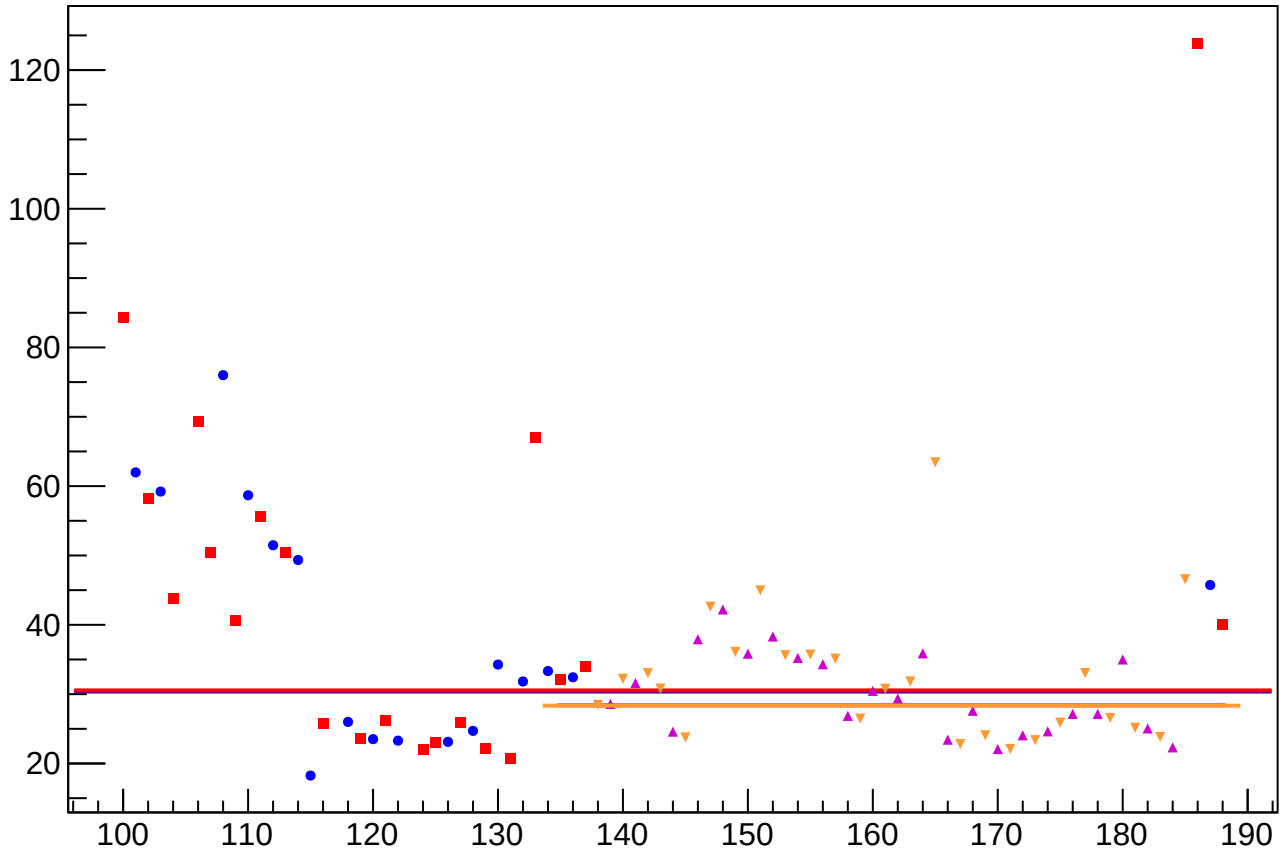
Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 28.810+/-0.004 χ^2/NDF: 3503197.0/41

All: 28.887+/-0.003 χ^2/NDF: 7058316.4/85

- sign 28.965+/-0.004 χ^2/NDF: 3554417.7/43


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.004+/-0.012 χ²/NDF: 10.2/16
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.007+/-0.011 χ²/NDF: 20.8/20
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.015+/-0.006 χ²/NDF: 50.6/41
All: -0.007+/-0.004 χ²/NDF: 94.6/85
- sign 0.001+/-0.006 χ²/NDF: 40.2/43



Right In: 30.378+/-0.009 χ^2/NDF: 1726754.4/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

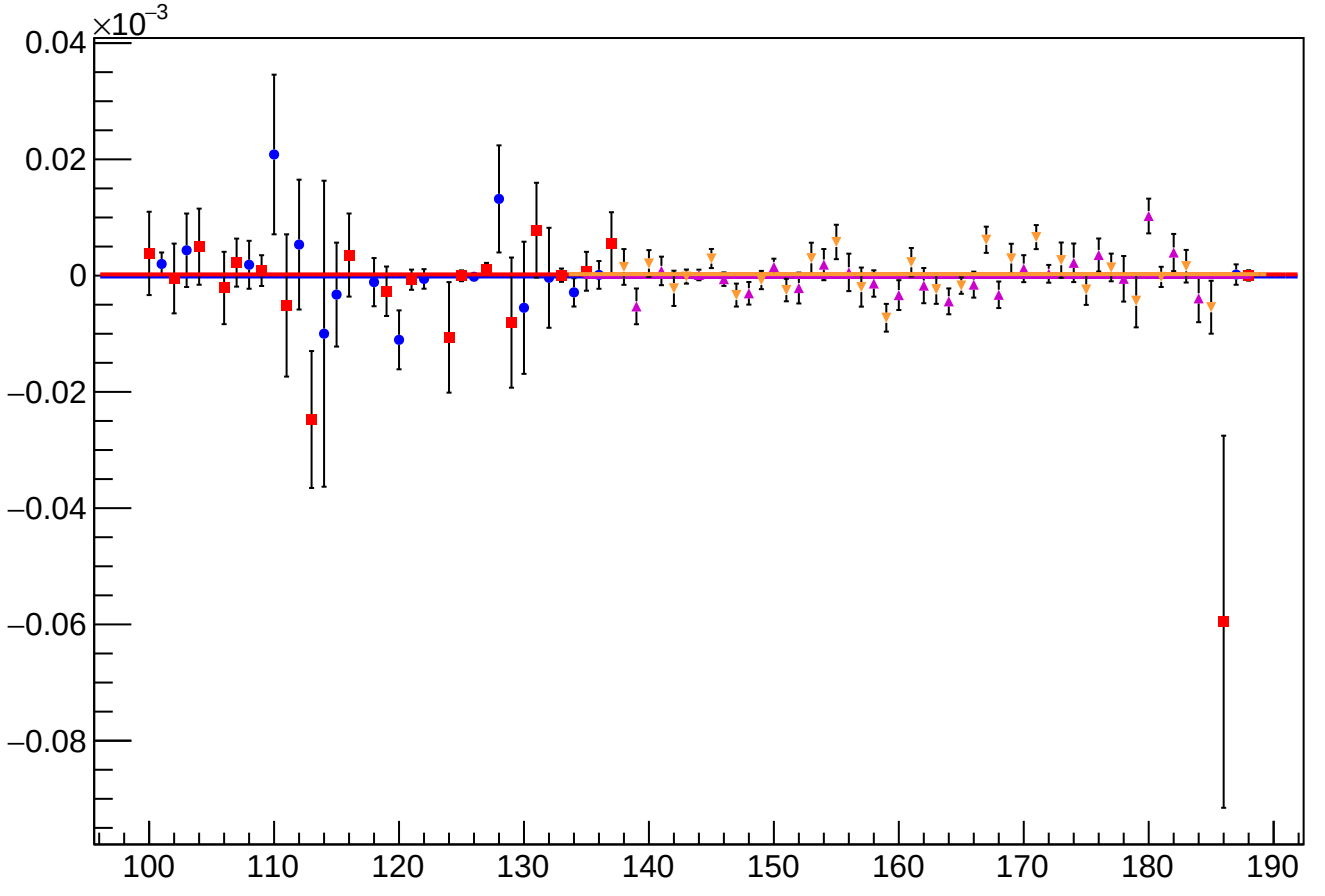
Right Out: 30.541+/-0.008 χ^2/NDF: 2402901.7/20

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 28.810+/-0.004 χ^2/NDF: 3503197.0/41

All: 28.887+/-0.003 χ^2/NDF: 7058316.4/85

- sign 28.965+/-0.004 χ^2/NDF: 3554417.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

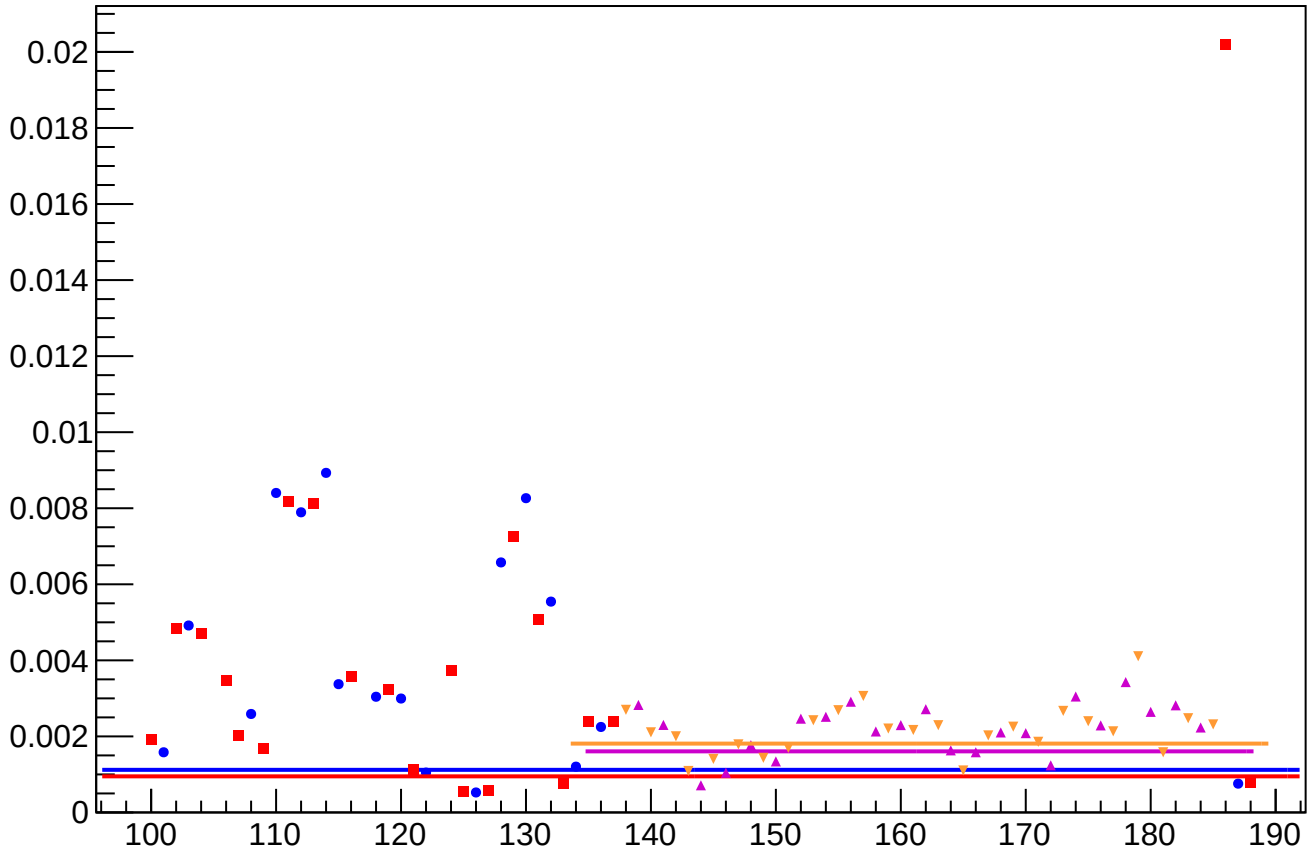
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/20

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.2/41

All: 0.000+/-0.000 χ^2/NDF: 113.1/85

- sign -0.000+/-0.000 χ^2/NDF: 48.7/43



Right In: 0.001+/-0.000 χ^2/NDF: 6978049.6/16

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

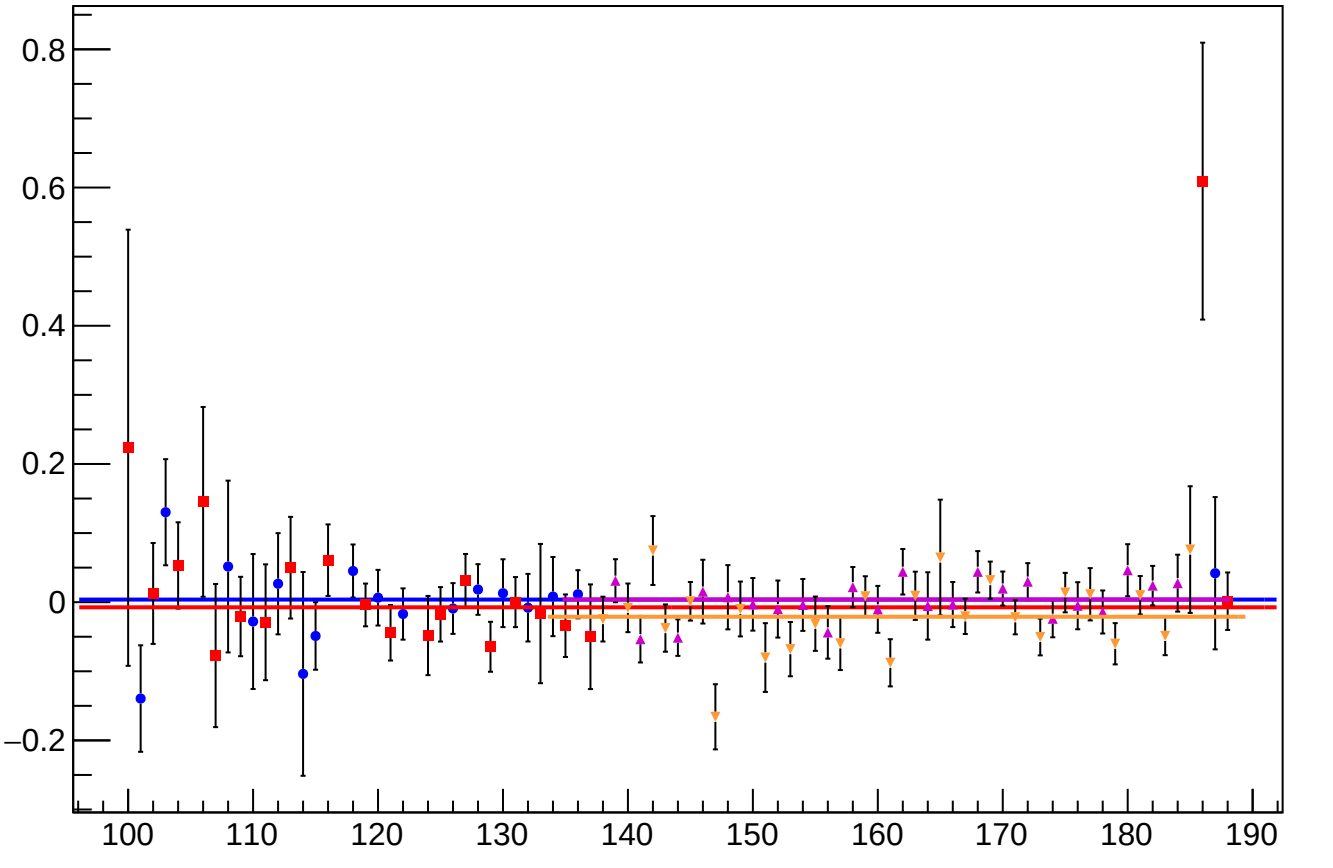
Right Out: 0.001+/-0.000 χ^2/NDF: 7740818.5/20

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 12223587.9/41

All: 0.001+/-0.000 χ^2/NDF: 28901642.9/85

- sign 0.001+/-0.000 χ^2/NDF: 16032349.5/43



Right In: 0.004+/-0.012 χ^2/NDF: 10.2/16

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

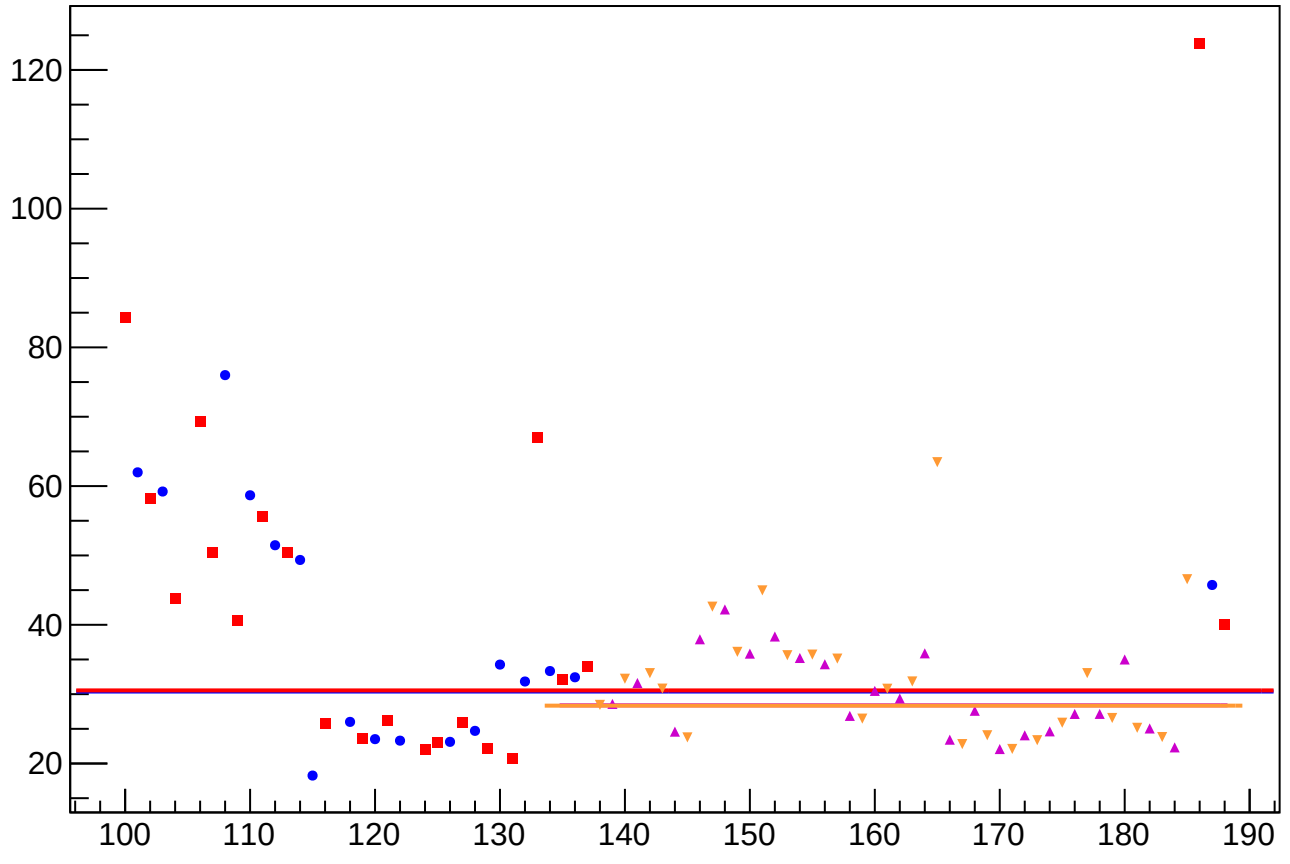
Right Out: -0.007+/-0.011 χ^2/NDF: 20.8/20

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.015+/-0.006 χ^2/NDF: 50.6/41

All: -0.007+/-0.004 χ^2/NDF: 94.6/85

- sign 0.001+/-0.006 χ^2/NDF: 40.2/43



Right In: 30.378+/-0.009 χ^2/NDF: 1726568.8/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

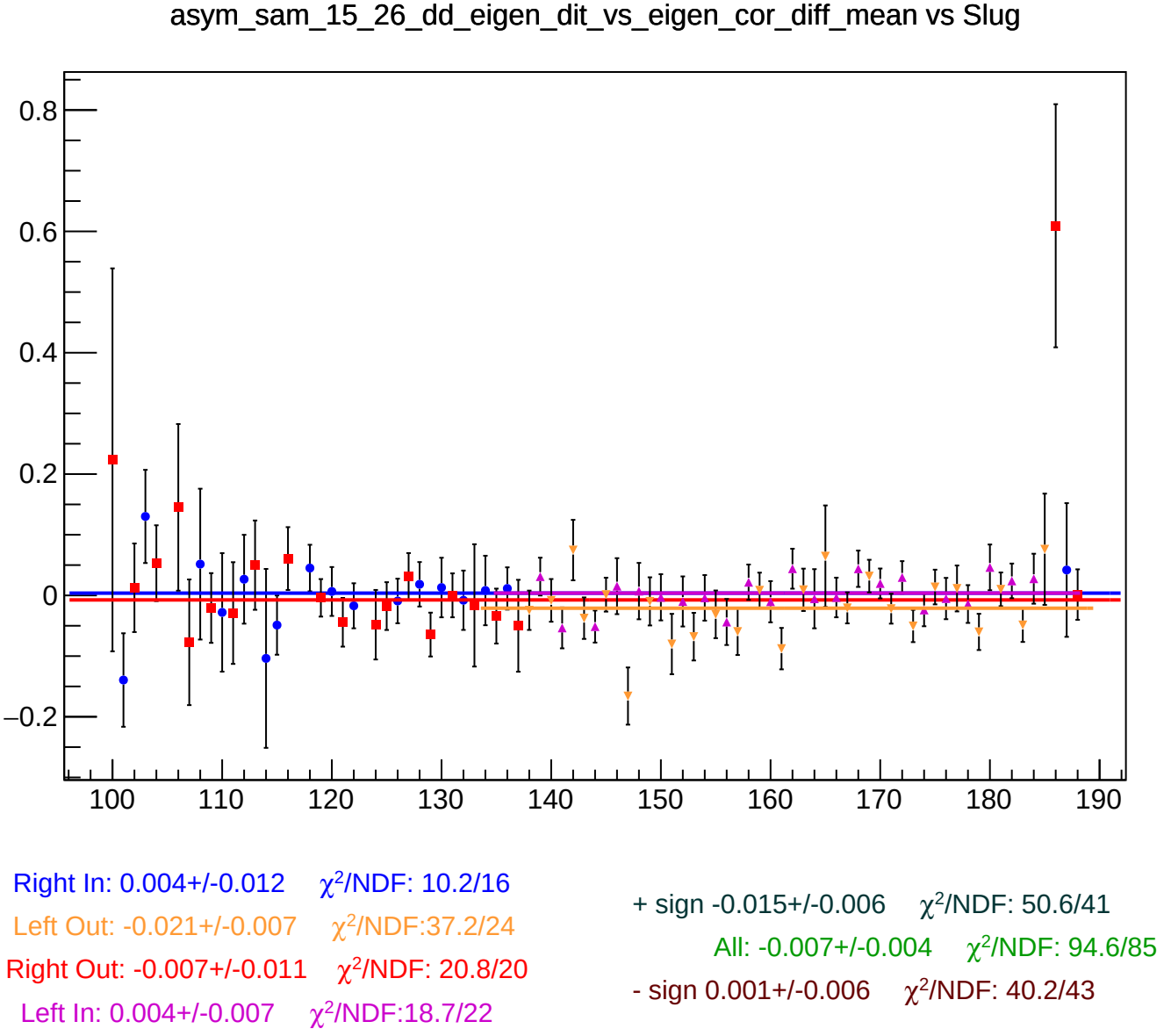
Right Out: 30.540+/-0.008 χ^2/NDF: 2402877.8/20

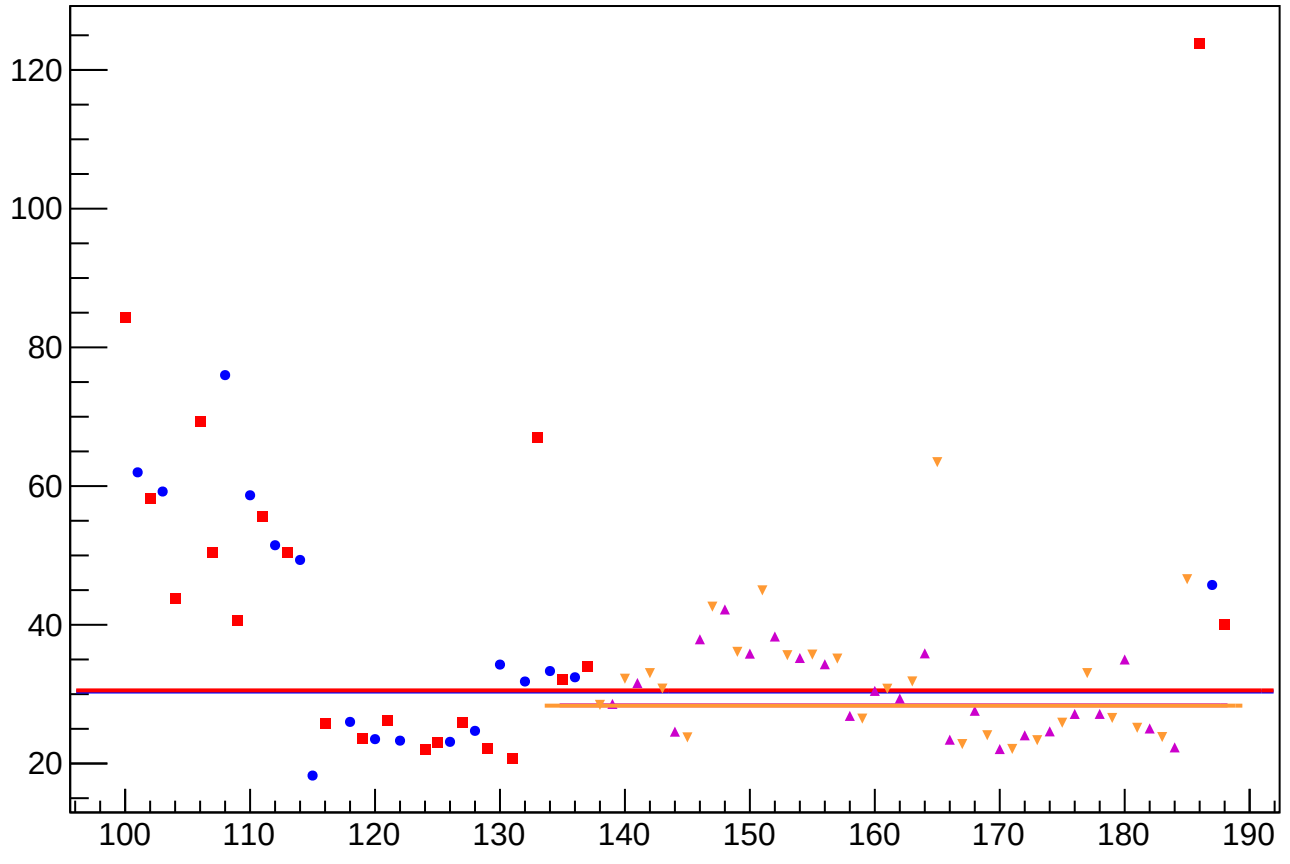
Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 28.810+/-0.004 χ^2/NDF: 3503004.3/41

All: 28.887+/-0.003 χ^2/NDF: 7058065.5/85

- sign 28.965+/-0.004 χ^2/NDF: 3554359.5/43


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.004+/-0.012 χ²/NDF: 10.2/16
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.007+/-0.011 χ²/NDF: 20.8/20
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.015+/-0.006 χ²/NDF: 50.6/41
All: -0.007+/-0.004 χ²/NDF: 94.6/85
- sign 0.001+/-0.006 χ²/NDF: 40.2/43



Right In: 30.378+/-0.009 χ^2/NDF: 1726568.8/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

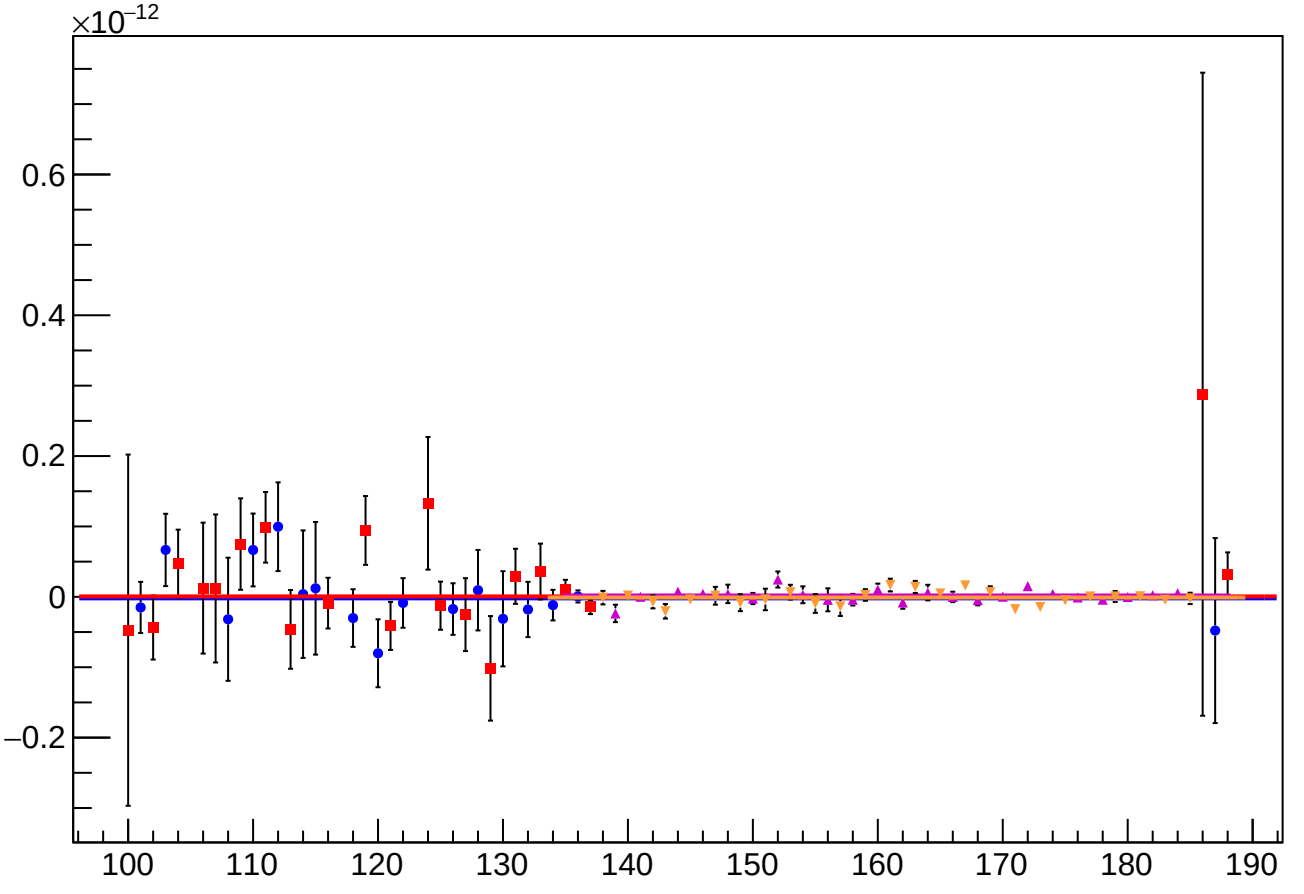
Right Out: 30.540+/-0.008 χ^2/NDF: 2402877.8/20

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 28.810+/-0.004 χ^2/NDF: 3503004.3/41

All: 28.887+/-0.003 χ^2/NDF: 7058065.5/85

- sign 28.965+/-0.004 χ^2/NDF: 3554359.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

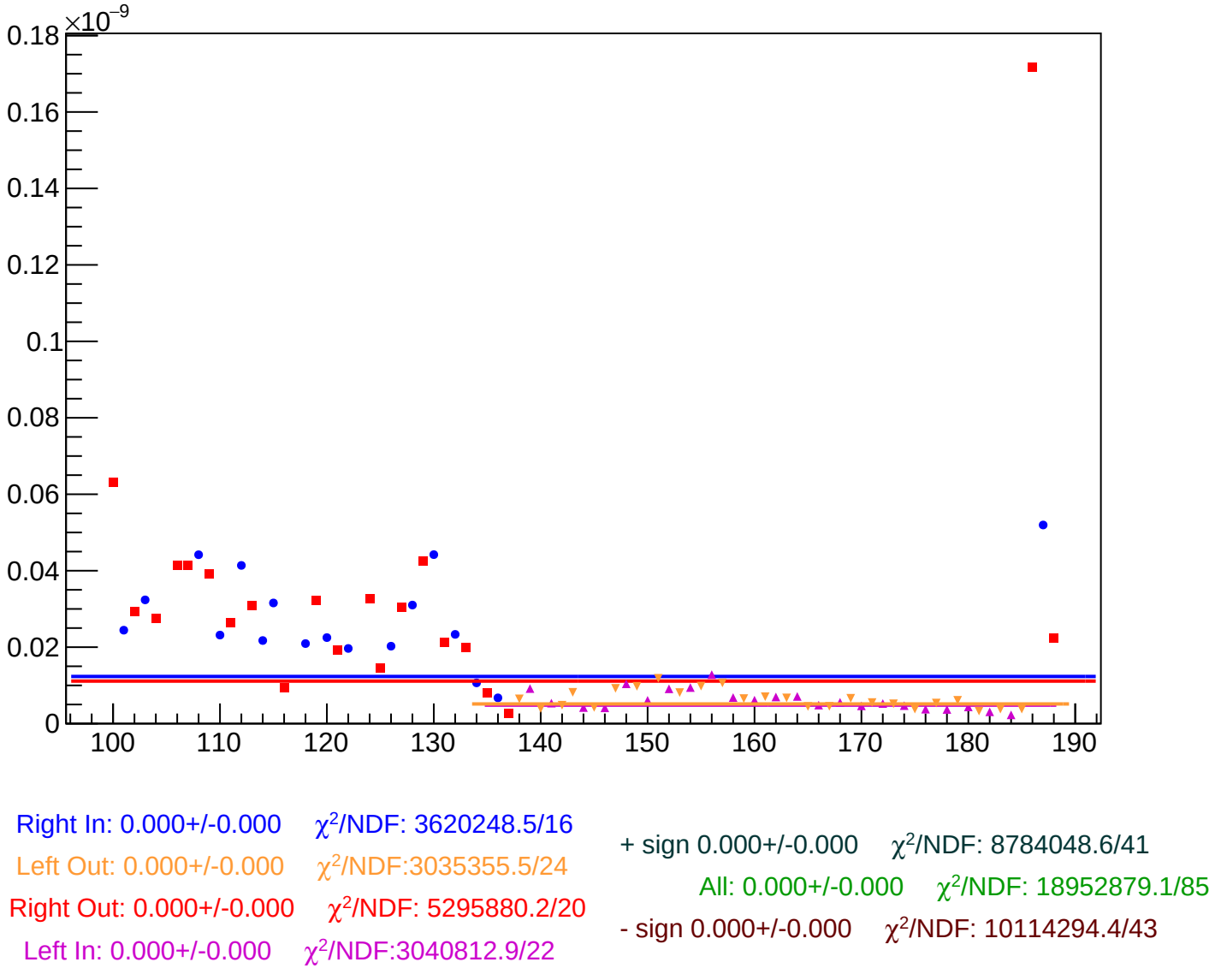
Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/20

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

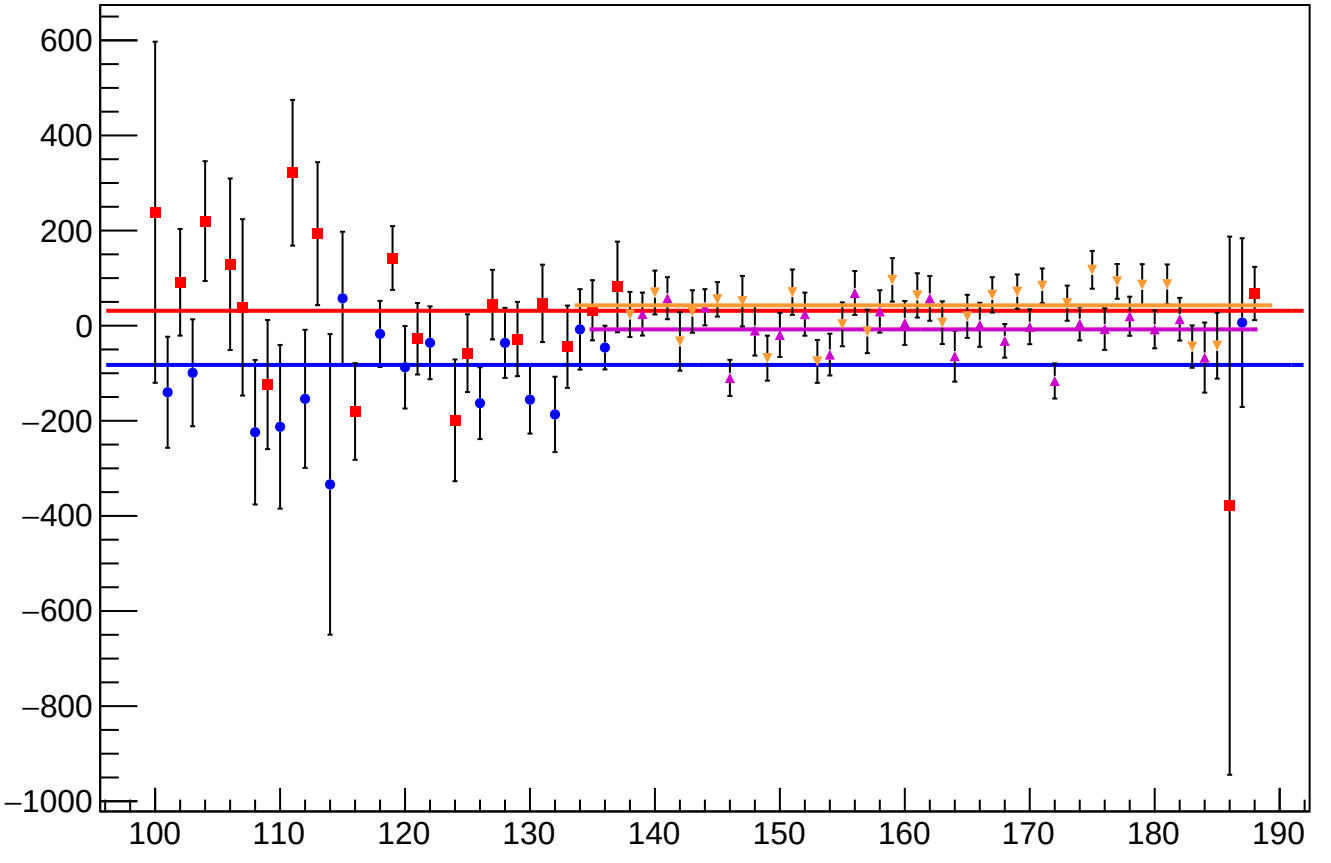
+ sign -0.000+/-0.000 χ^2/NDF: 44.7/41

All: 0.000+/-0.000 χ^2/NDF: 89.1/85

- sign 0.000+/-0.000 χ^2/NDF: 42.4/43


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3620248.5/16
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 5295880.2/20
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
+ sign 0.000+/-0.000 χ²/NDF: 8784048.6/41
All: 0.000+/-0.000 χ²/NDF: 18952879.1/85
- sign 0.000+/-0.000 χ²/NDF: 10114294.4/43

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -82.508+/-21.280 χ^2/NDF: 10.8/16

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 31.336+/-20.515 χ^2/NDF: 24.0/20

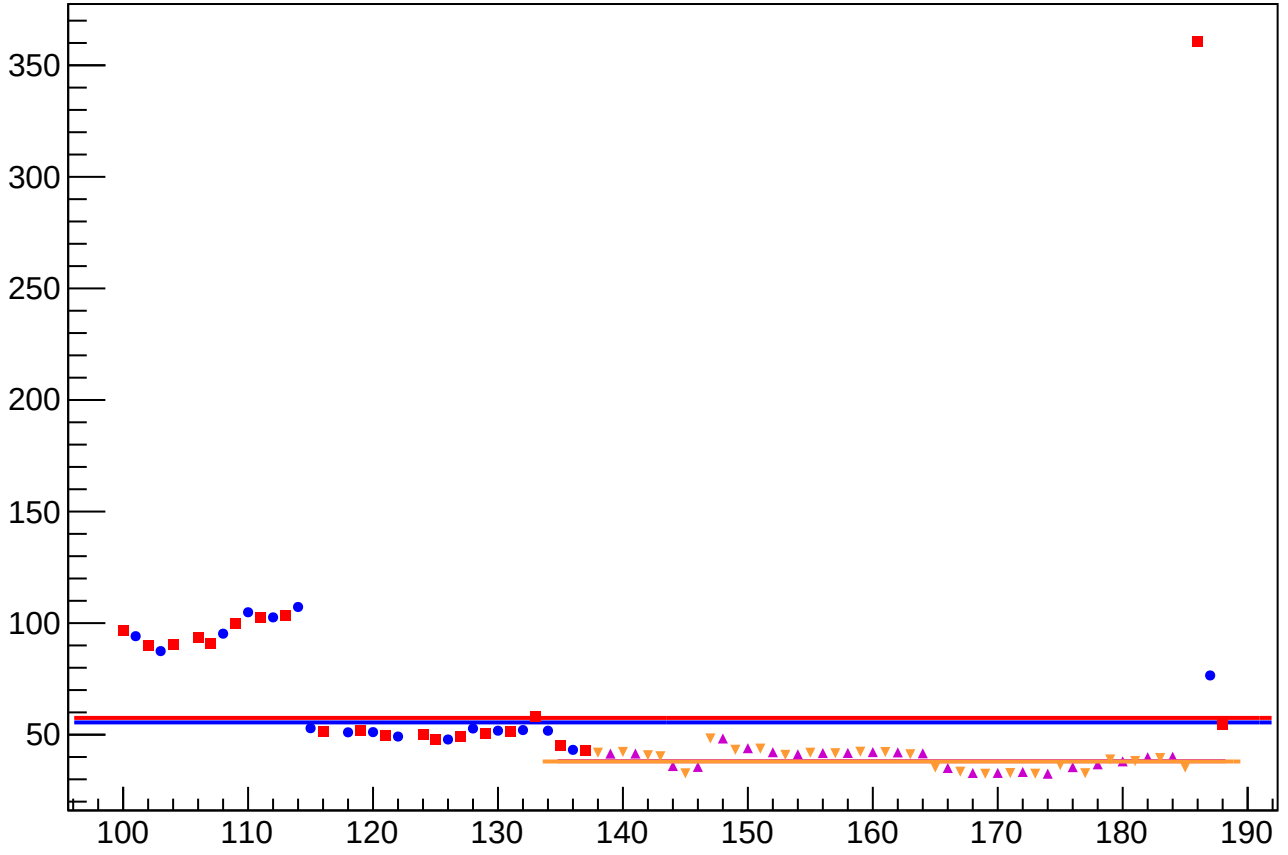
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 24.831+/-8.051 χ^2/NDF: 75.2/41

All: 11.942+/-5.753 χ^2/NDF: 138.1/85

- sign -1.500+/-8.222 χ^2/NDF: 57.6/43

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.505+/-0.015 χ^2/NDF: 1181135.8/16

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

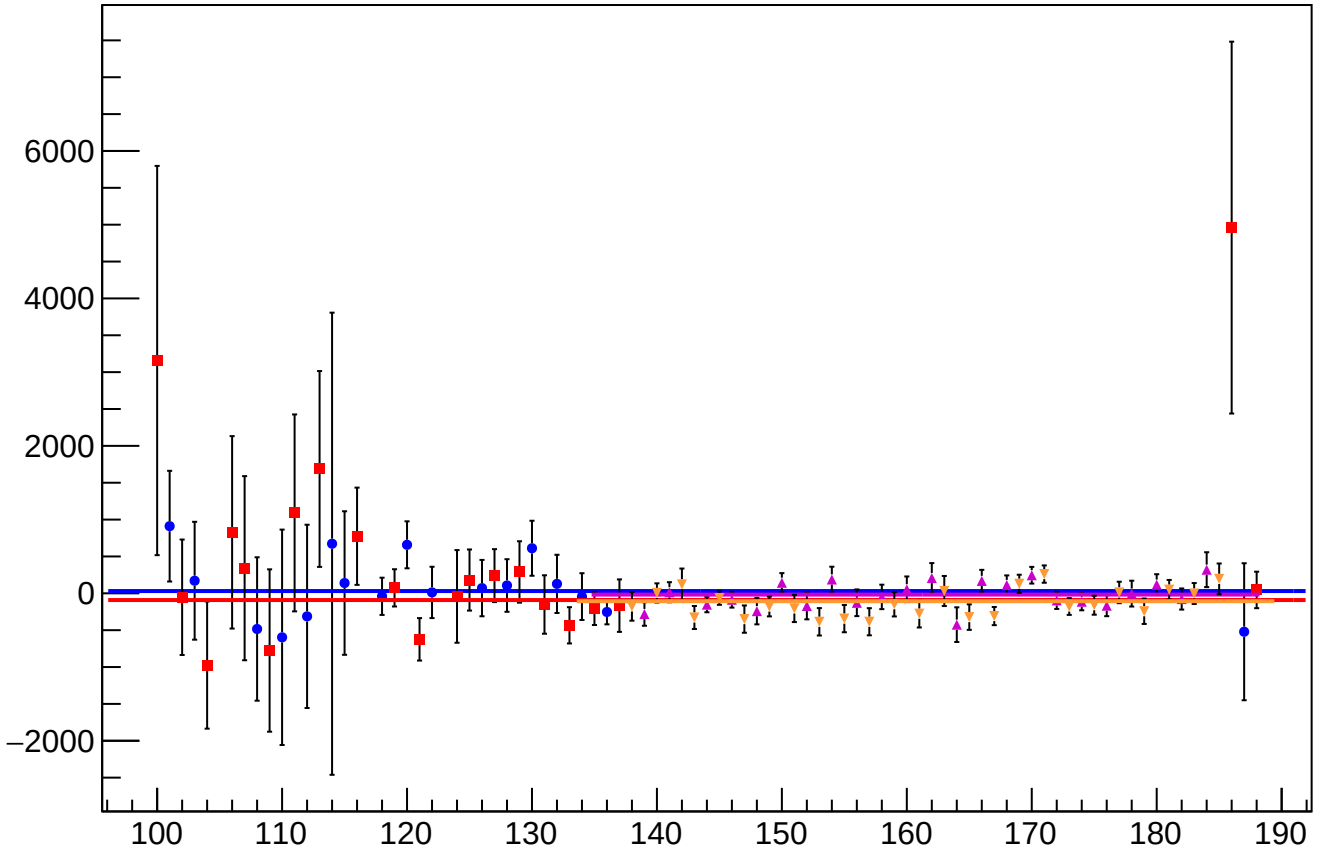
Right Out: 57.525+/-0.015 χ^2/NDF: 1861170.7/20

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.497+/-0.006 χ^2/NDF: 2855720.7/41

All: 40.865+/-0.004 χ^2/NDF: 6653645.6/85

- sign 41.248+/-0.006 χ^2/NDF: 3789423.6/43



Right In: 30.728+/-93.092 χ^2/NDF: 11.8/16

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -91.302+/-89.314 χ^2/NDF: 20.4/20

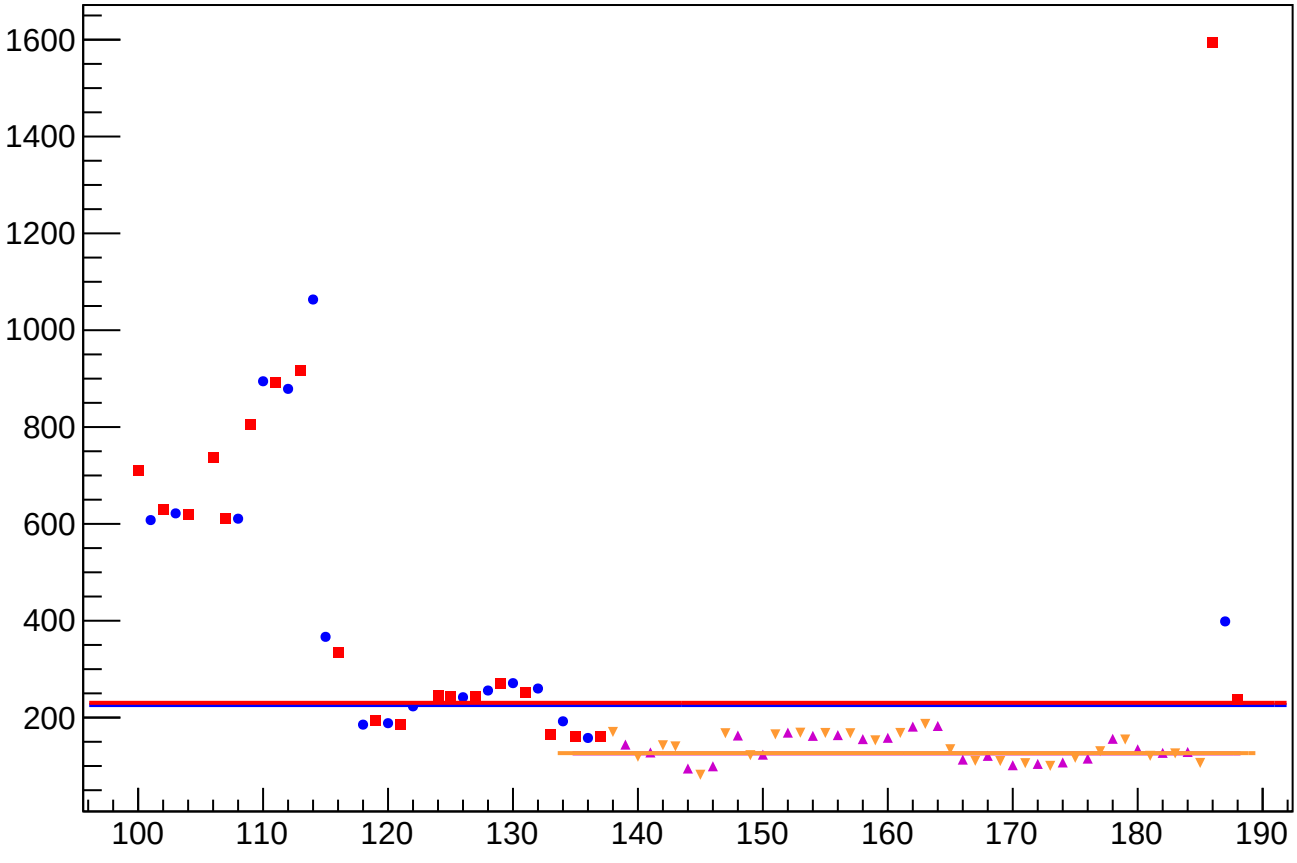
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -93.934+/-28.177 χ^2/NDF: 51.4/41

All: -60.016+/-20.071 χ^2/NDF: 103.6/85

- sign -25.081+/-28.596 χ^2/NDF: 49.3/43

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 225.795+/-0.066 χ^2/NDF: 3037963.2/16

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 230.466+/-0.063 χ^2/NDF: 4228938.7/20

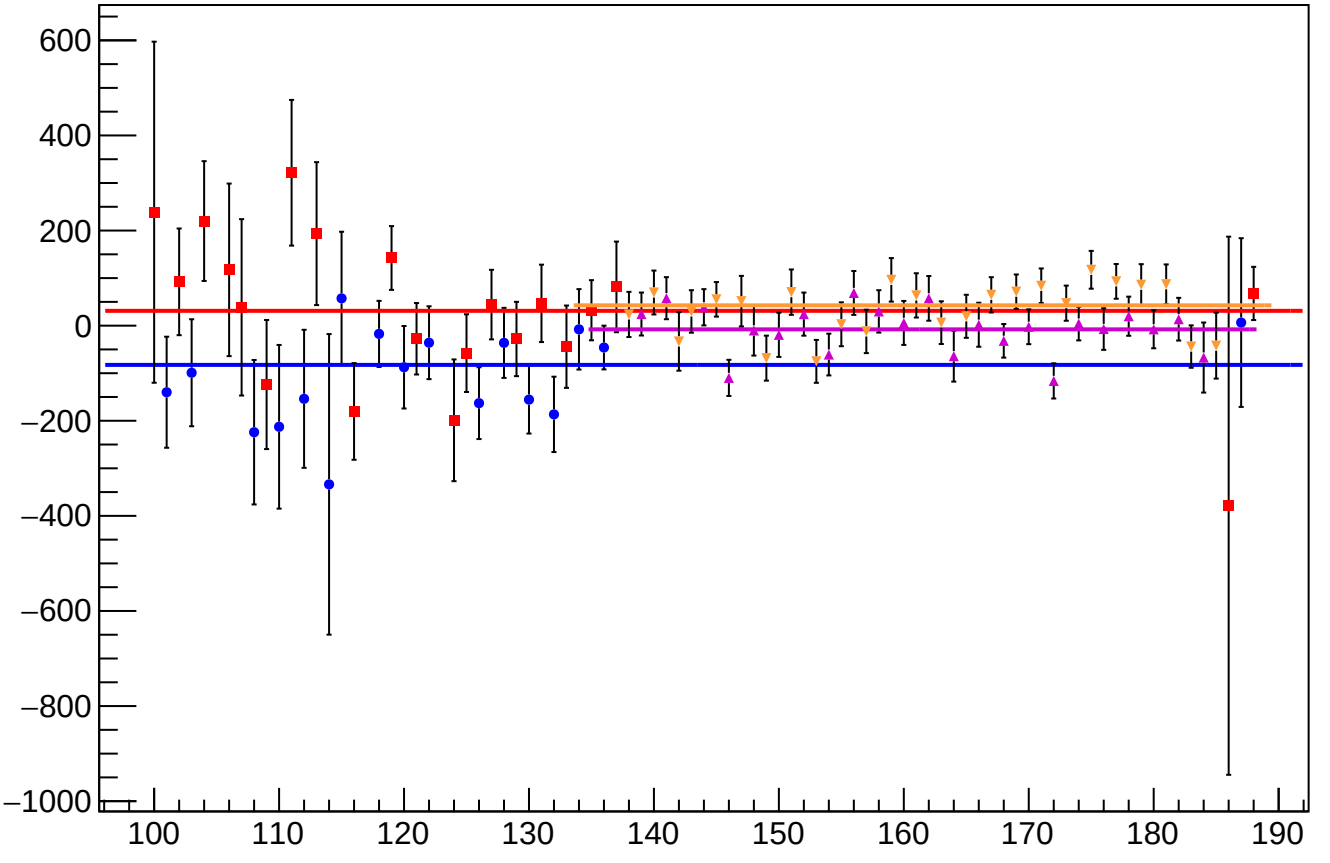
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 135.652+/-0.020 χ^2/NDF: 6860522.3/41

All: 136.179+/-0.014 χ^2/NDF: 14956596.0/85

- sign 136.721+/-0.020 χ^2/NDF: 8094654.4/43

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -82.505+/-21.280 χ^2/NDF: 10.8/16

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 31.200+/-20.517 χ^2/NDF: 23.9/20

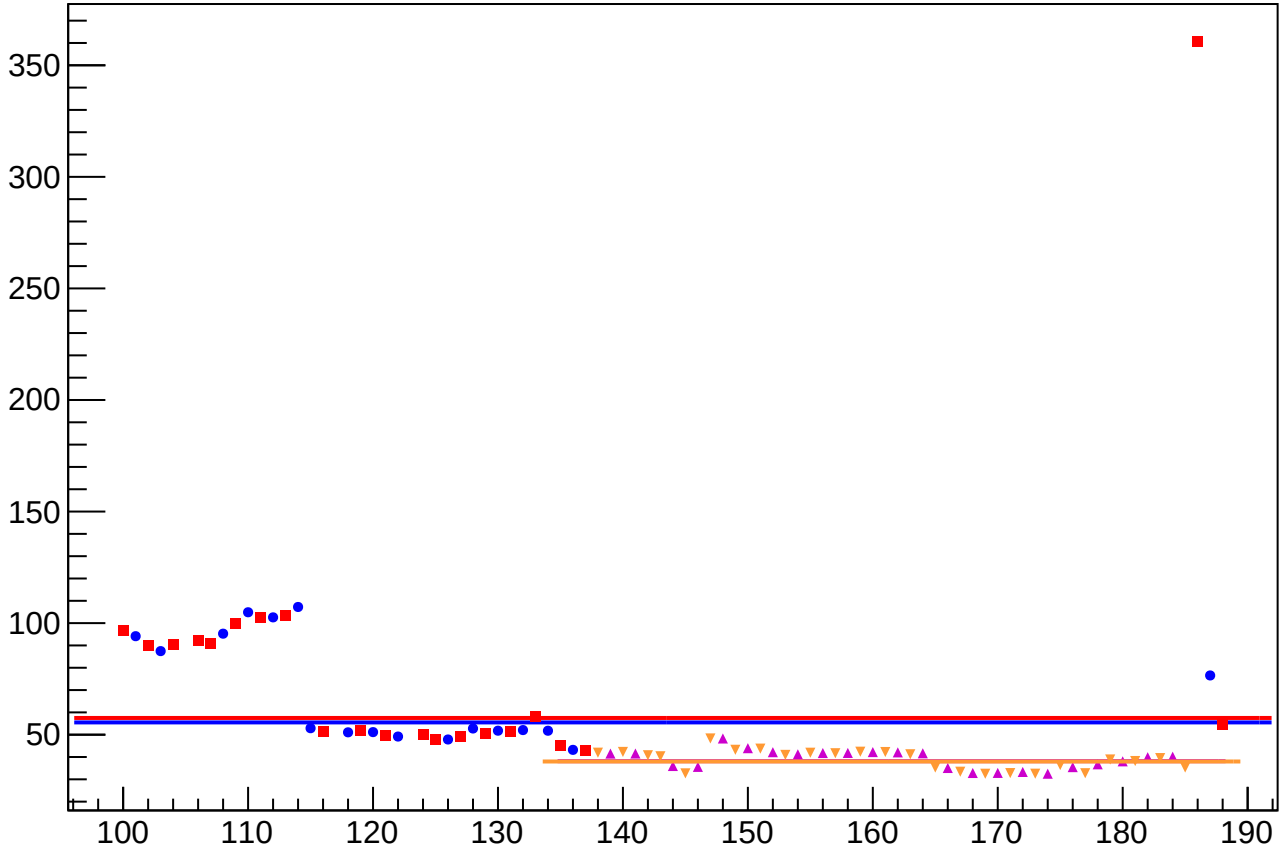
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 24.833+/-8.051 χ^2/NDF: 75.2/41

All: 11.931+/-5.753 χ^2/NDF: 138.0/85

- sign -1.524+/-8.222 χ^2/NDF: 57.5/43

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.505+/-0.015 χ^2/NDF: 1181136.1/16

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

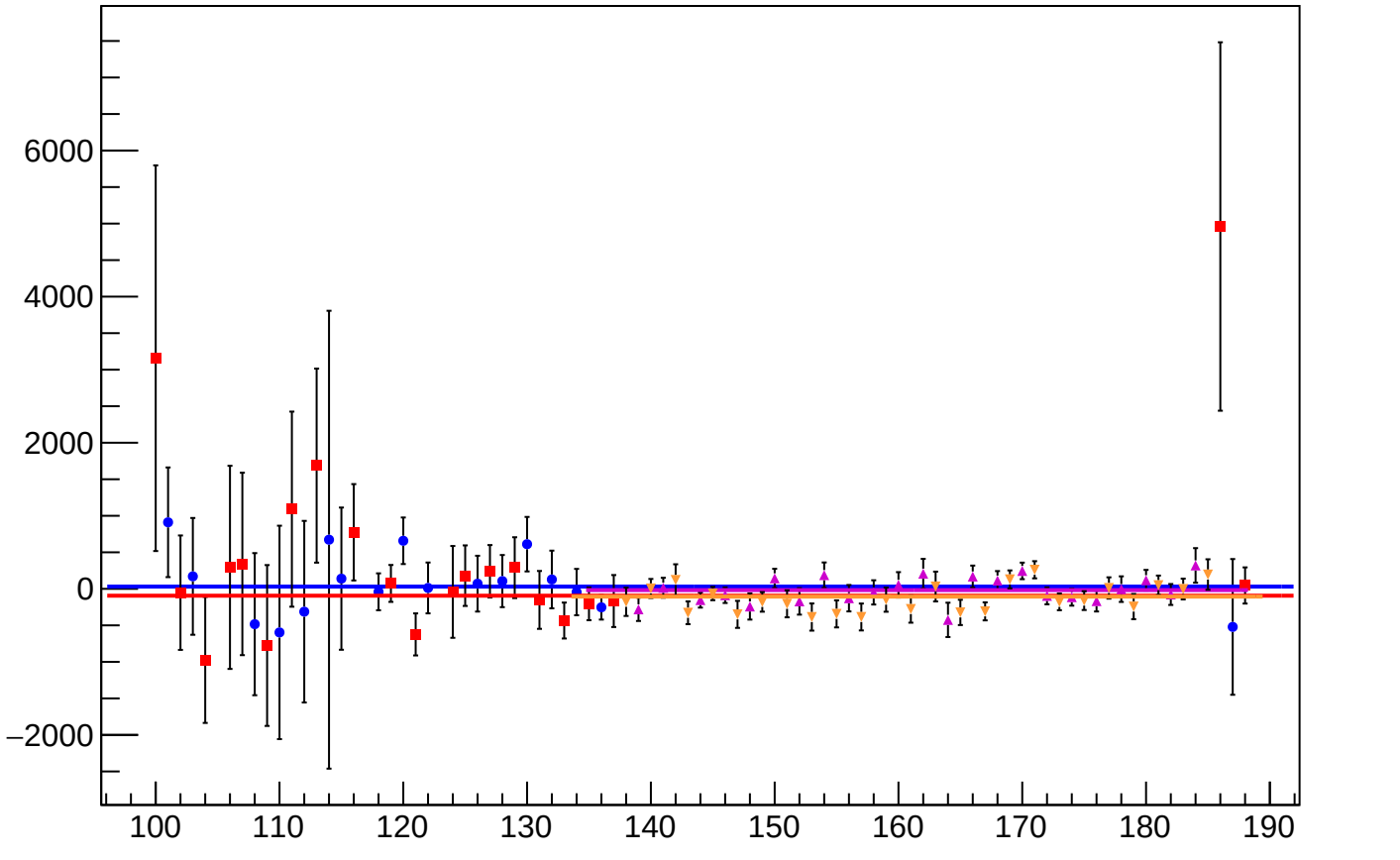
Right Out: 57.500+/-0.015 χ^2/NDF: 1853766.7/20

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.497+/-0.006 χ^2/NDF: 2855720.9/41

All: 40.862+/-0.004 χ^2/NDF: 6642074.7/85

- sign 41.243+/-0.006 χ^2/NDF: 3777953.0/43



Right In: 30.728+/-93.092 χ^2/NDF: 11.8/16

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -93.995+/-89.339 χ^2/NDF: 20.0/20

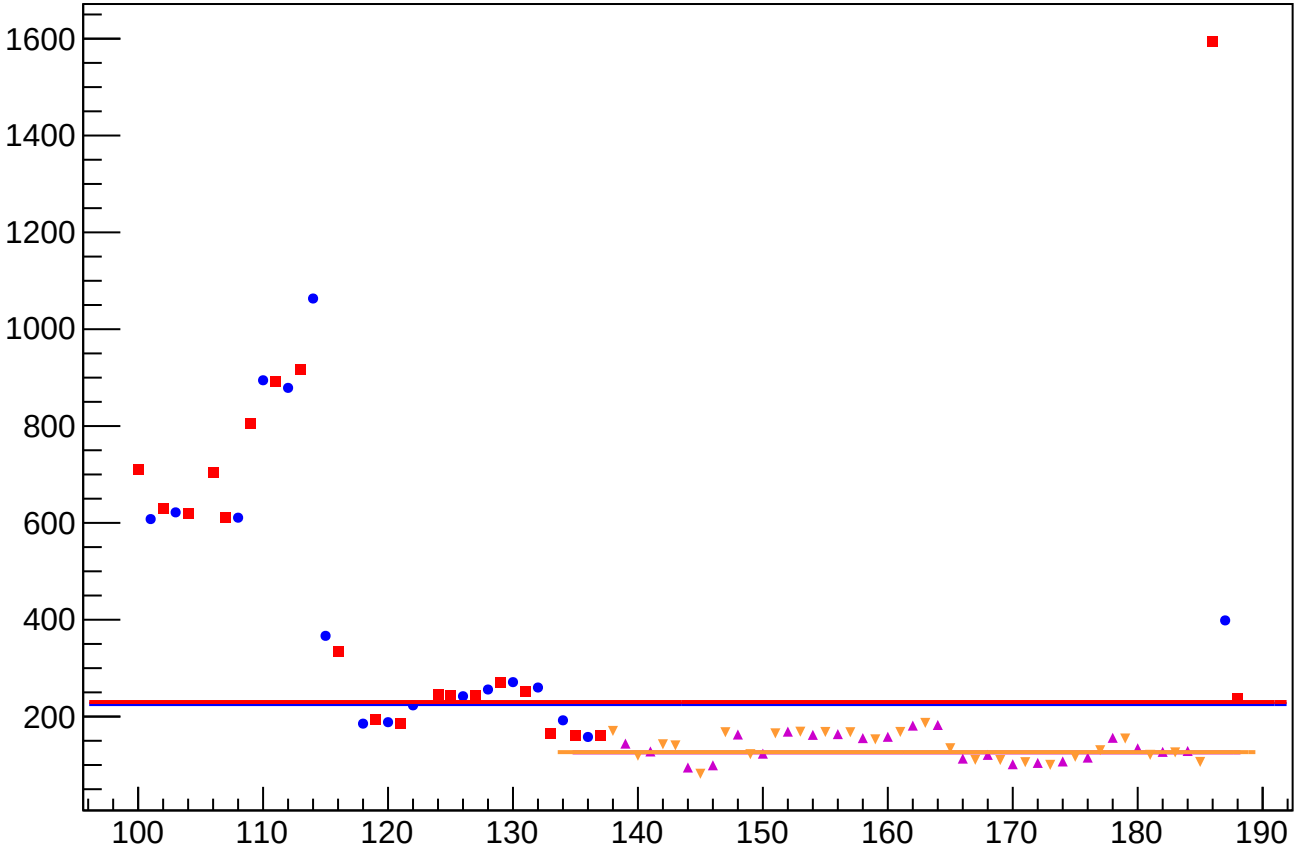
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -93.933+/-28.177 χ^2/NDF: 51.4/41

All: -60.151+/-20.071 χ^2/NDF: 103.2/85

- sign -25.353+/-28.597 χ^2/NDF: 48.9/43

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 225.795+/-0.066 χ^2/NDF: 3037968.0/16

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 230.052+/-0.063 χ^2/NDF: 4160886.4/20

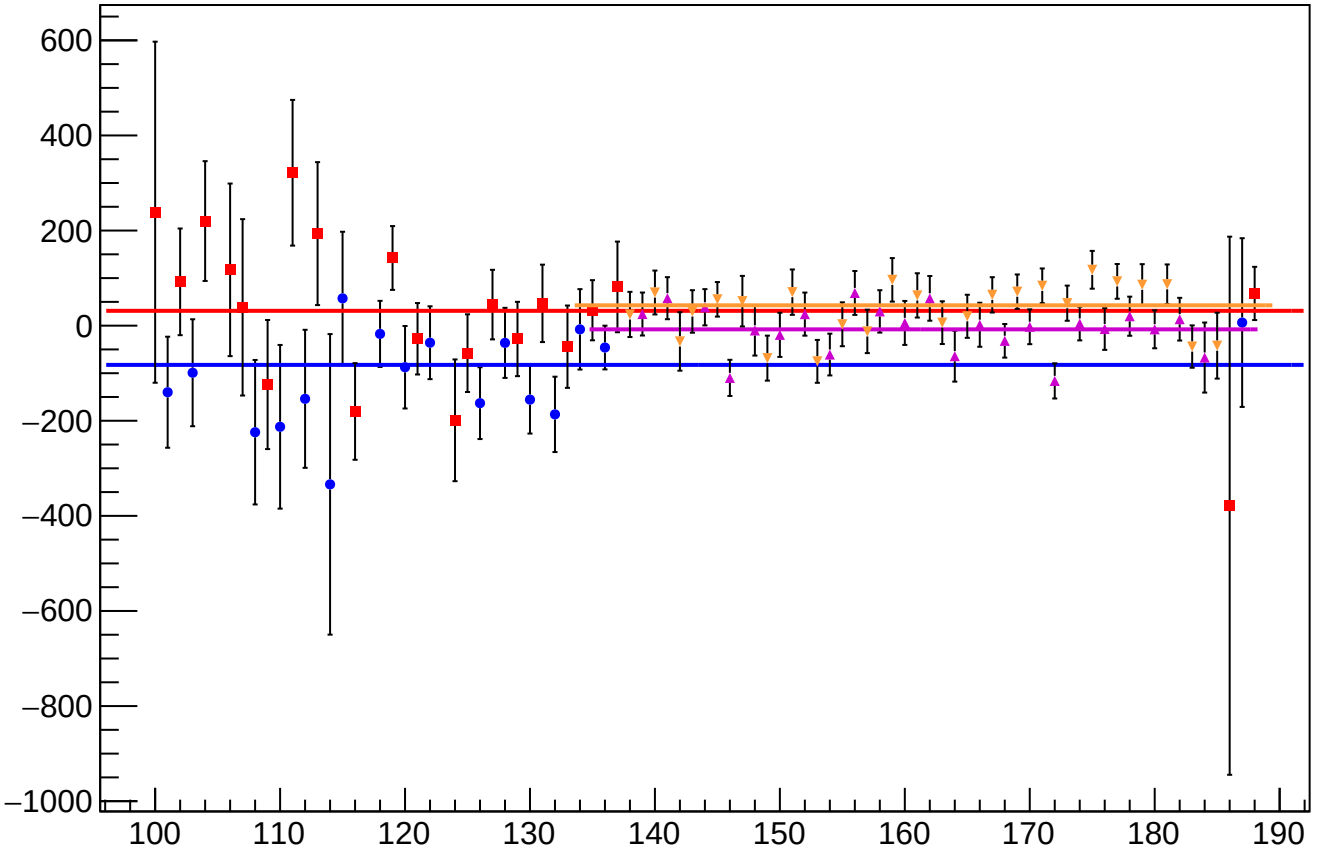
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 135.652+/-0.020 χ^2/NDF: 6860521.8/41

All: 136.155+/-0.014 χ^2/NDF: 14867719.3/85

- sign 136.673+/-0.020 χ^2/NDF: 8005903.1/43

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -82.505+/-21.280 χ^2/NDF: 10.8/16

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 31.200+/-20.517 χ^2/NDF: 23.9/20

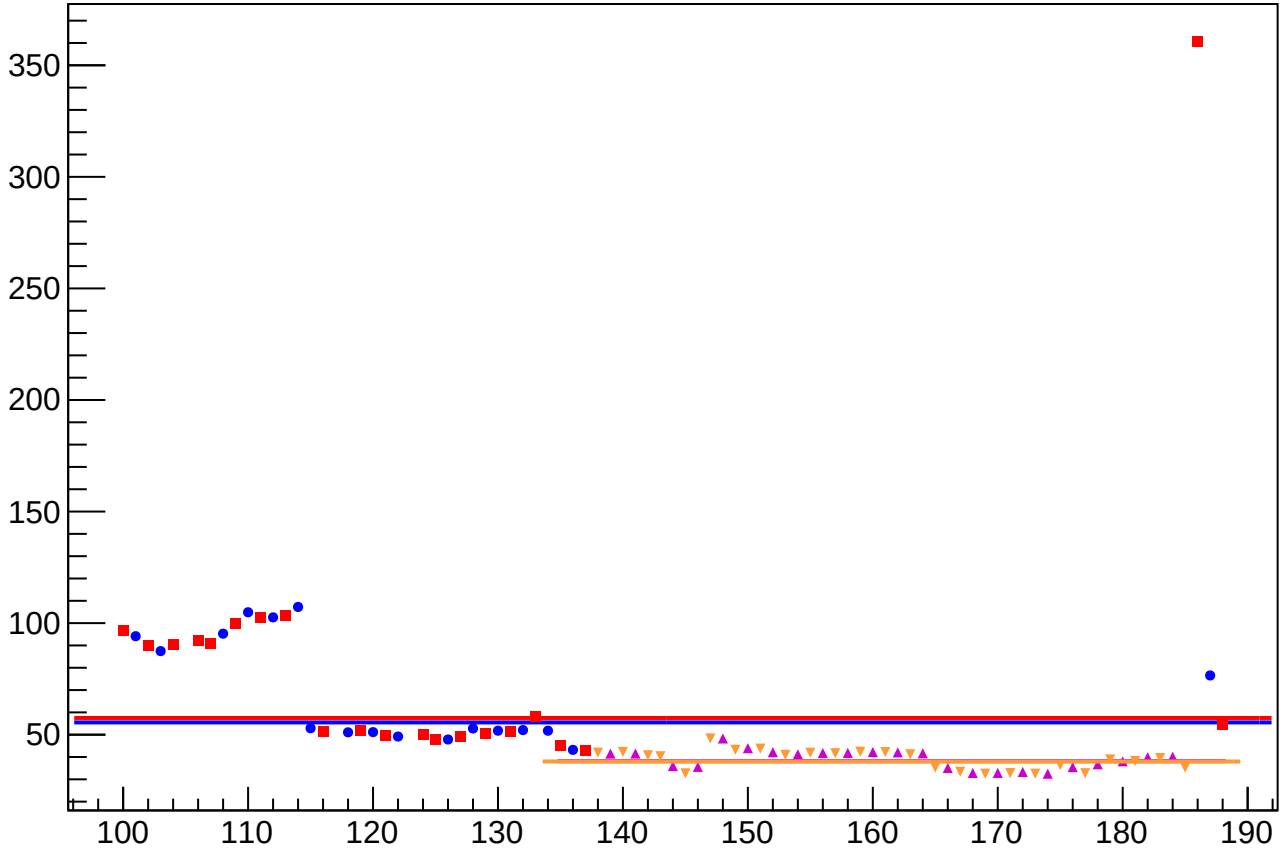
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 24.833+/-8.051 χ^2/NDF: 75.2/41

All: 11.931+/-5.753 χ^2/NDF: 138.0/85

- sign -1.524+/-8.222 χ^2/NDF: 57.5/43

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.505+/-0.015 χ^2/NDF: 1181136.1/16

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

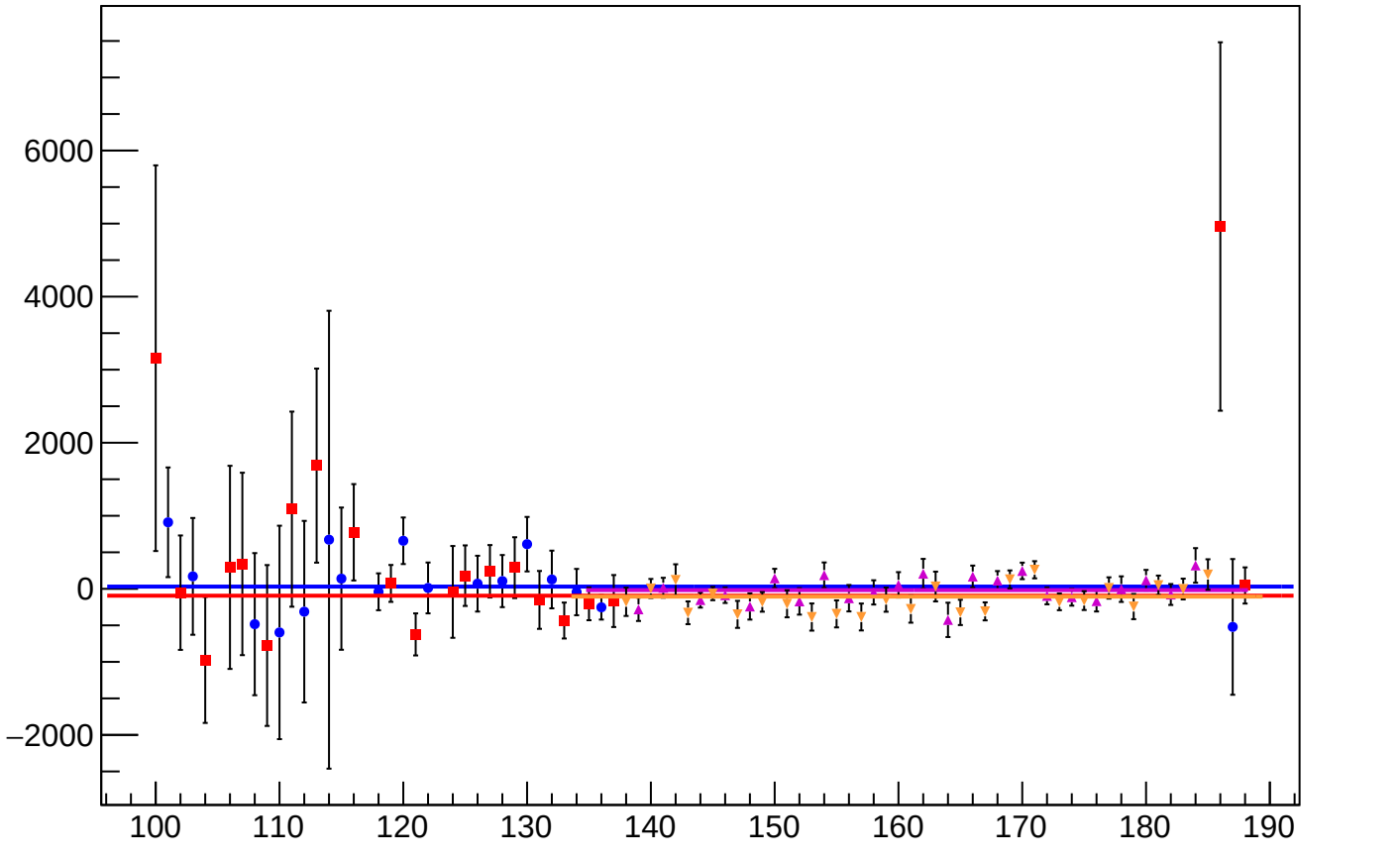
Right Out: 57.500+/-0.015 χ^2/NDF: 1853766.7/20

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.497+/-0.006 χ^2/NDF: 2855720.9/41

All: 40.862+/-0.004 χ^2/NDF: 6642074.7/85

- sign 41.243+/-0.006 χ^2/NDF: 3777953.0/43



Right In: 30.728+/-93.092 χ^2/NDF: 11.8/16

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

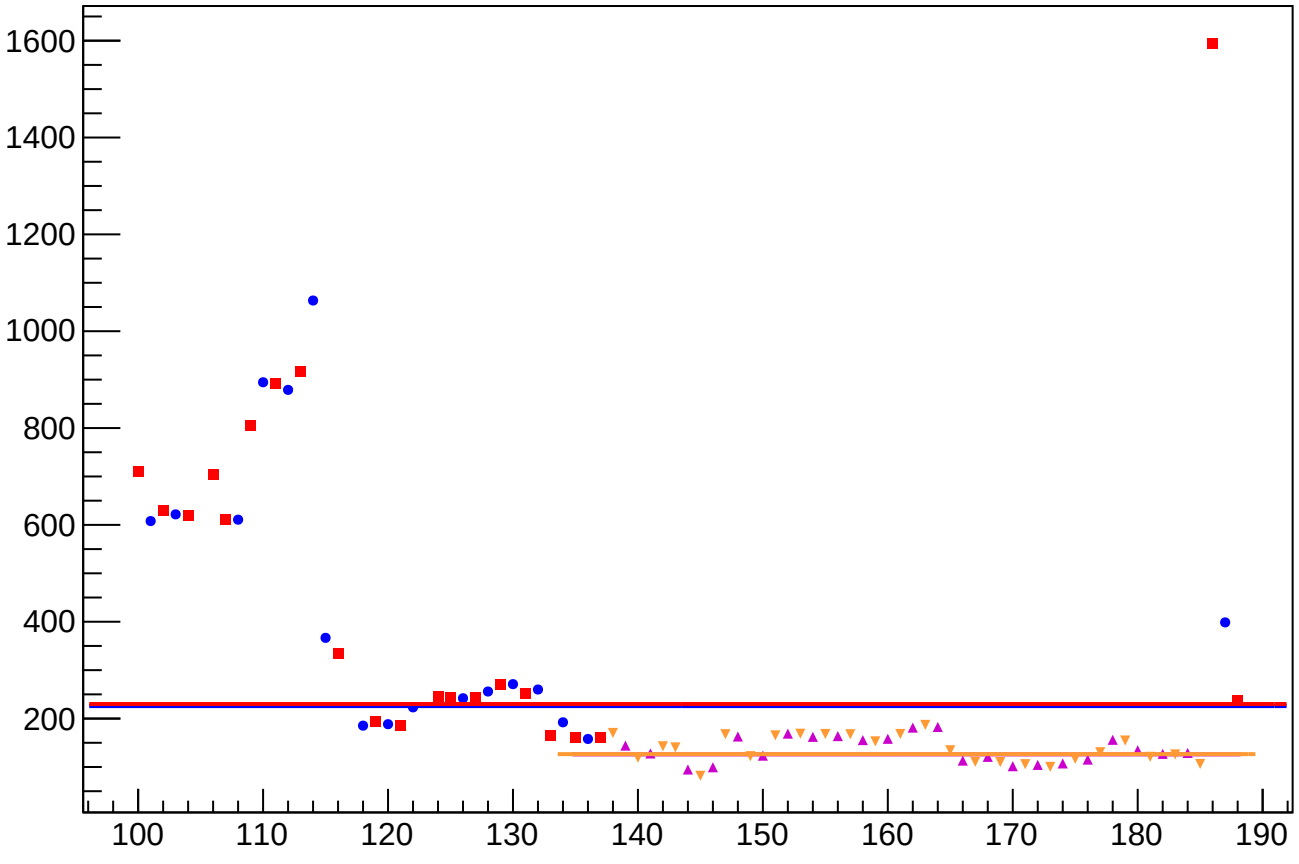
Right Out: -93.995+/-89.339 χ^2/NDF: 20.0/20

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -93.933+/-28.177 χ^2/NDF: 51.4/41

All: -60.151+/-20.071 χ^2/NDF: 103.2/85

- sign -25.353+/-28.597 χ^2/NDF: 48.9/43



Right In: 225.795+/-0.066 χ^2/NDF: 3037968.0/16

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 230.052+/-0.063 χ^2/NDF: 4160886.4/20

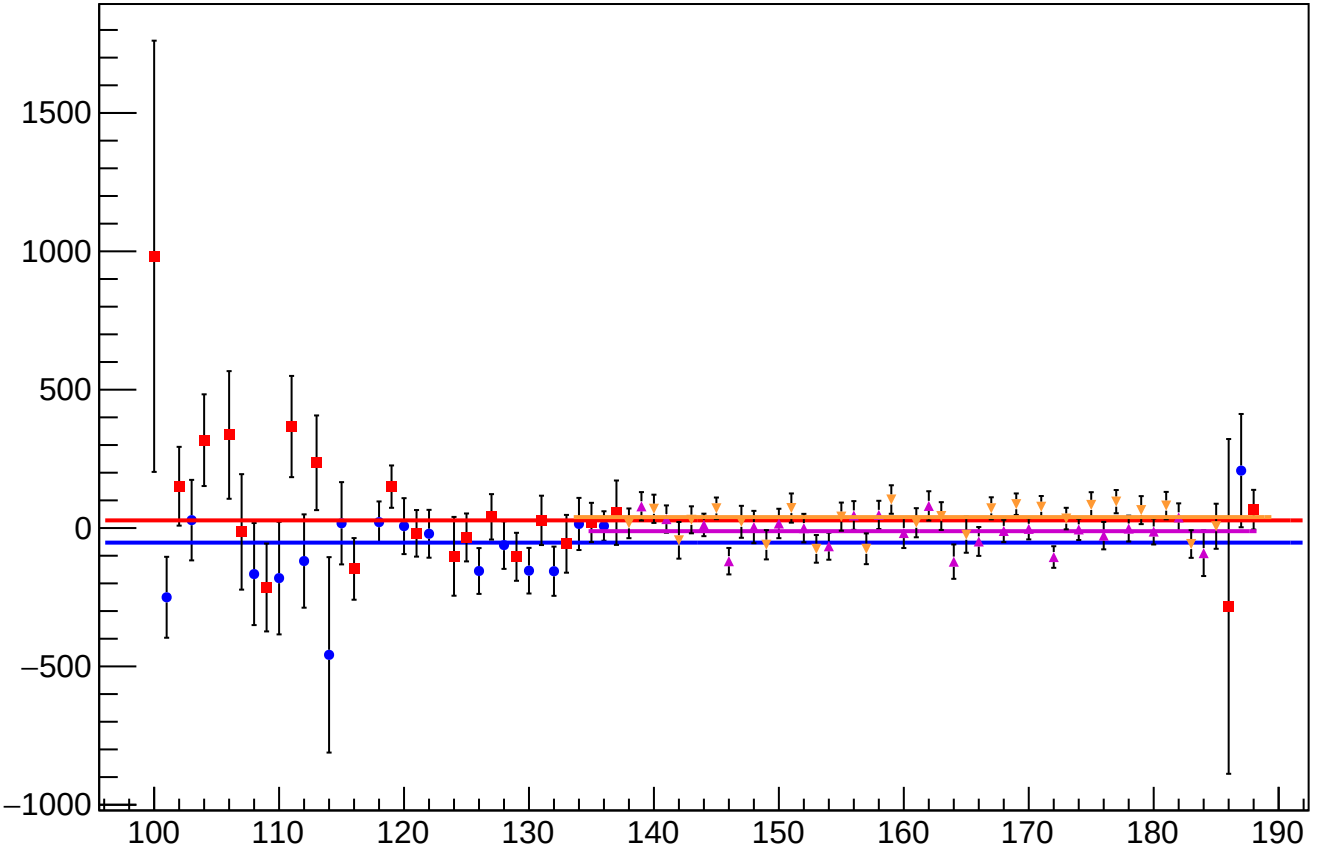
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 135.652+/-0.020 χ^2/NDF: 6860521.8/41

All: 136.155+/-0.014 χ^2/NDF: 14867719.3/85

- sign 136.673+/-0.020 χ^2/NDF: 8005903.1/43

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -52.690+/-24.315 χ^2/NDF: 13.9/16

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 27.709+/-23.723 χ^2/NDF: 24.7/20

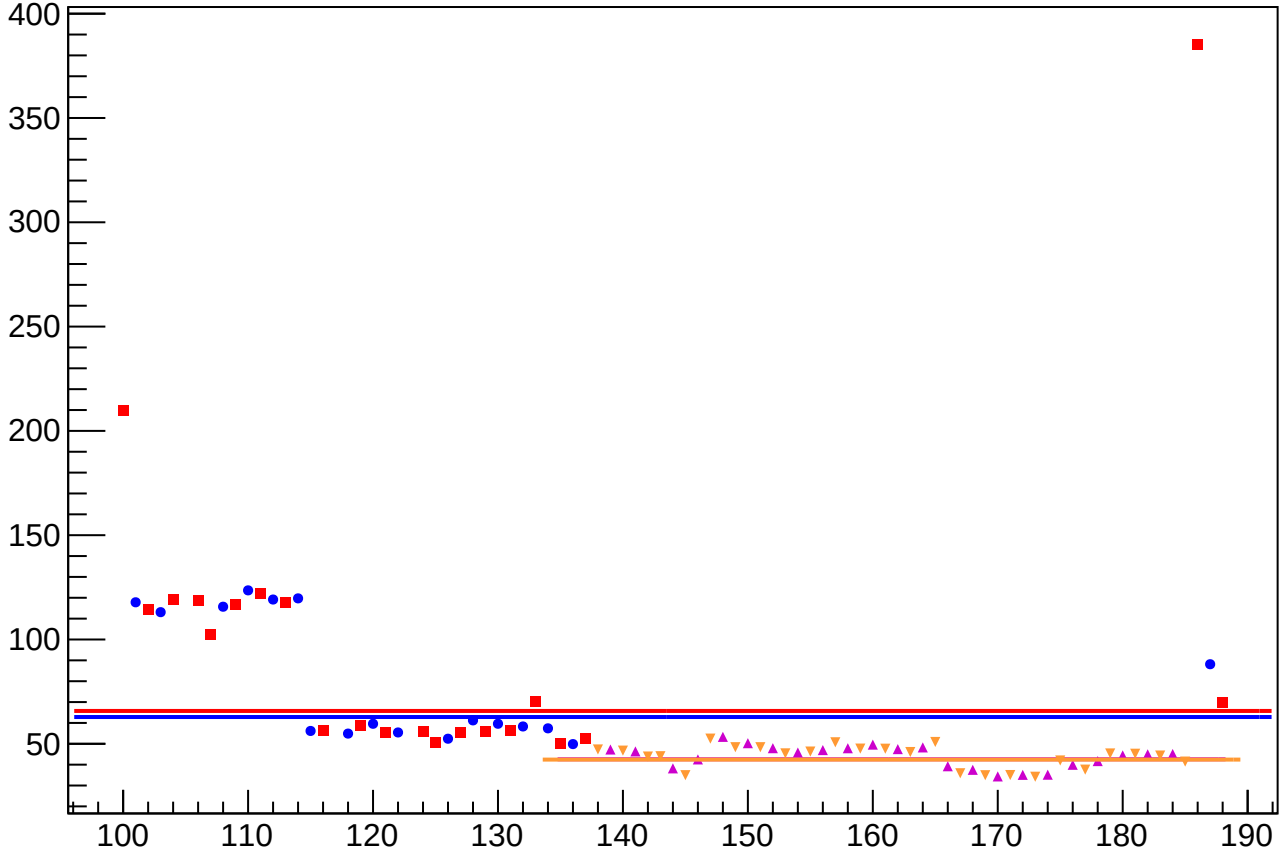
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 26.796+/-9.046 χ^2/NDF: 55.9/41

All: 11.129+/-6.476 χ^2/NDF: 116.9/85

- sign -5.342+/-9.275 χ^2/NDF: 54.9/43

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.836+/-0.017 χ^2/NDF: 1379237.5/16

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.746+/-0.017 χ^2/NDF: 2158555.7/20

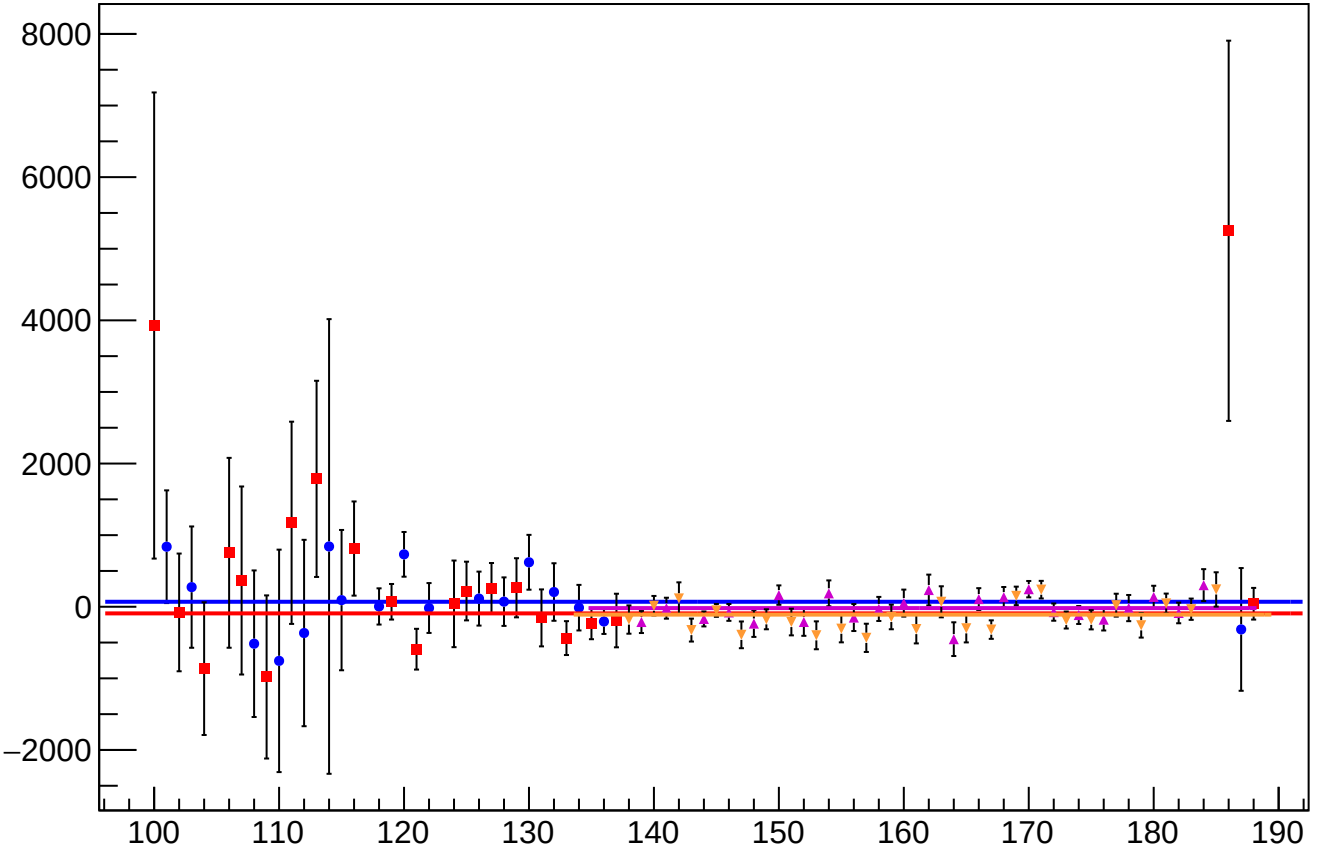
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 45.251+/-0.006 χ^2/NDF: 3292143.0/41

All: 45.675+/-0.005 χ^2/NDF: 7665471.5/85

- sign 46.120+/-0.007 χ^2/NDF: 4364321.6/43

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 69.601+/-93.923 χ^2/NDF: 11.4/16

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -92.687+/-86.978 χ^2/NDF: 20.9/20

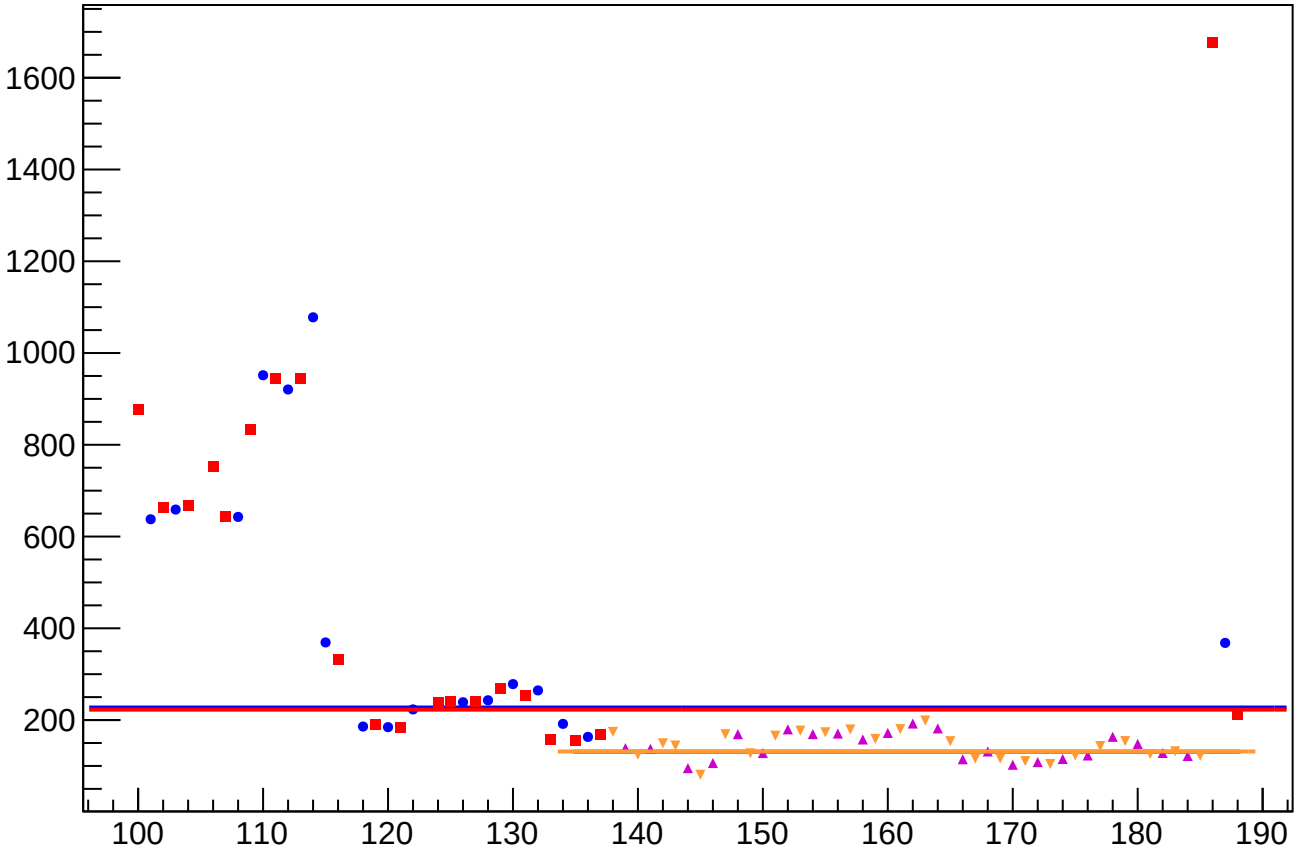
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -92.486+/-29.231 χ^2/NDF: 51.0/41

All: -60.344+/-20.798 χ^2/NDF: 102.1/85

- sign -27.390+/-29.598 χ^2/NDF: 48.7/43

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 227.326+/-0.066 χ^2/NDF: 3080658.0/16

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 222.689+/-0.062 χ^2/NDF: 4452571.1/20

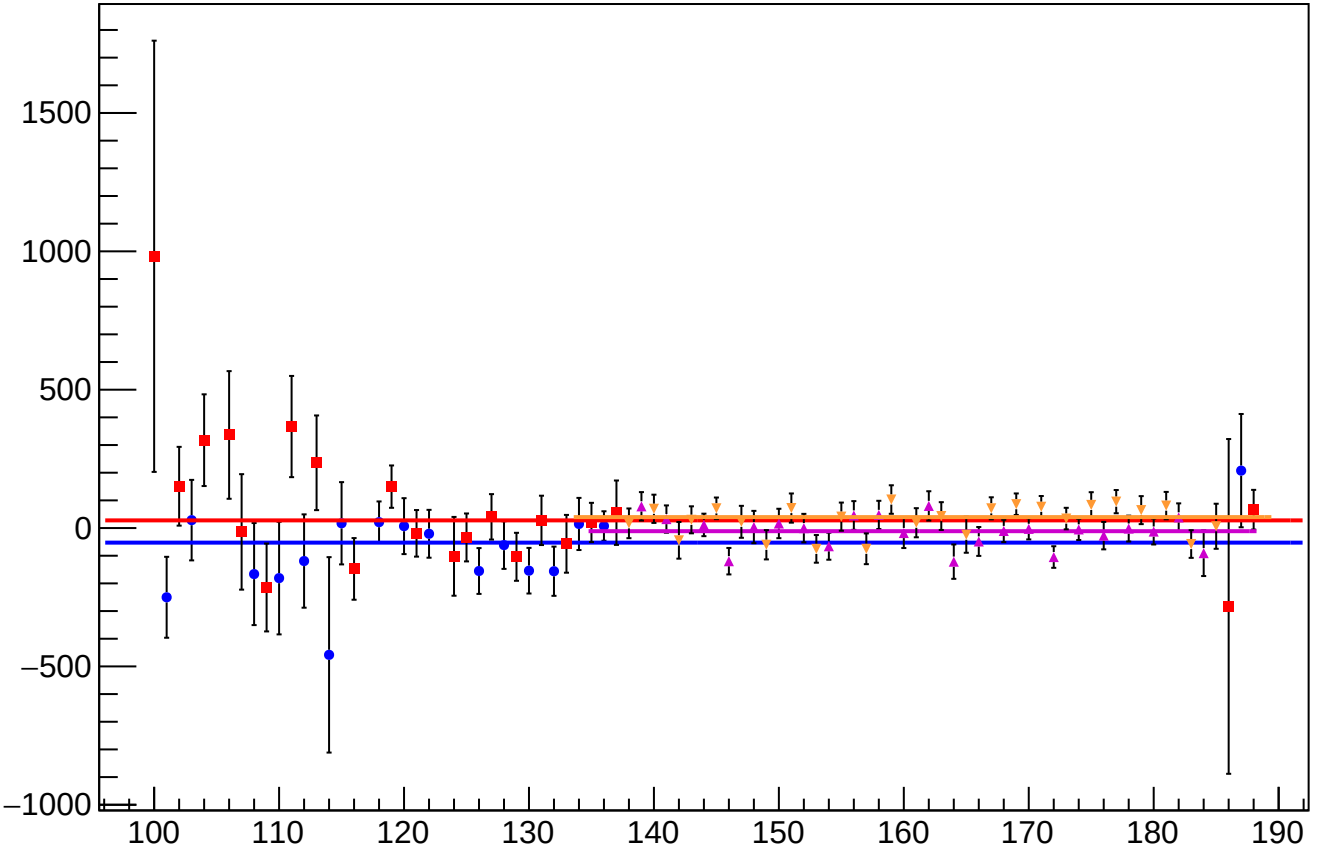
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 140.795+/-0.021 χ^2/NDF: 6863222.0/41

All: 141.234+/-0.015 χ^2/NDF: 14746490.9/85

- sign 141.683+/-0.021 χ^2/NDF: 7882358.5/43

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -52.691+/-24.315 χ^2/NDF: 13.9/16

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 27.711+/-23.723 χ^2/NDF: 24.7/20

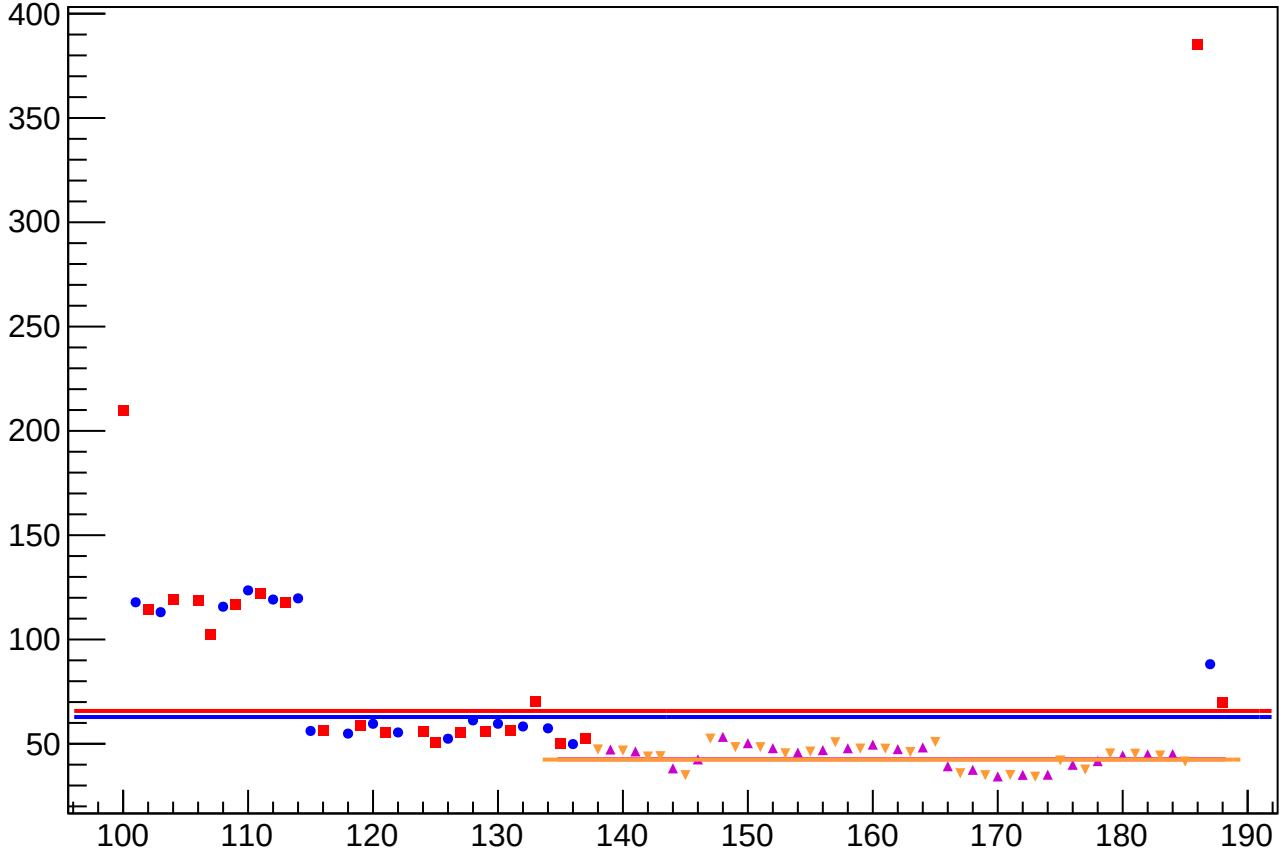
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 26.796+/-9.046 χ^2/NDF: 55.9/41

All: 11.129+/-6.476 χ^2/NDF: 116.9/85

- sign -5.342+/-9.275 χ^2/NDF: 54.9/43

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.836+/-0.017 χ^2/NDF: 1379220.9/16

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

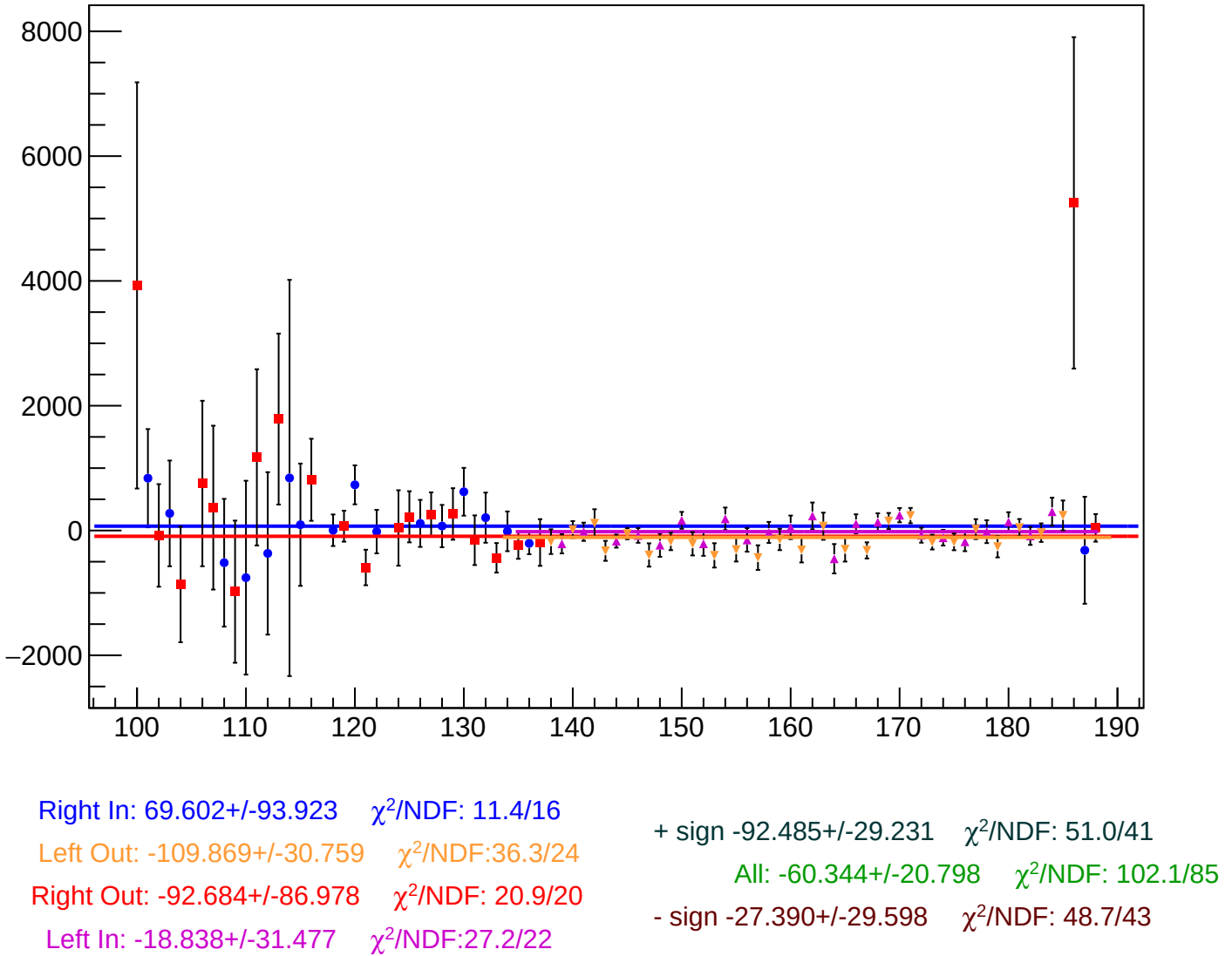
Right Out: 65.746+/-0.017 χ^2/NDF: 2158541.9/20

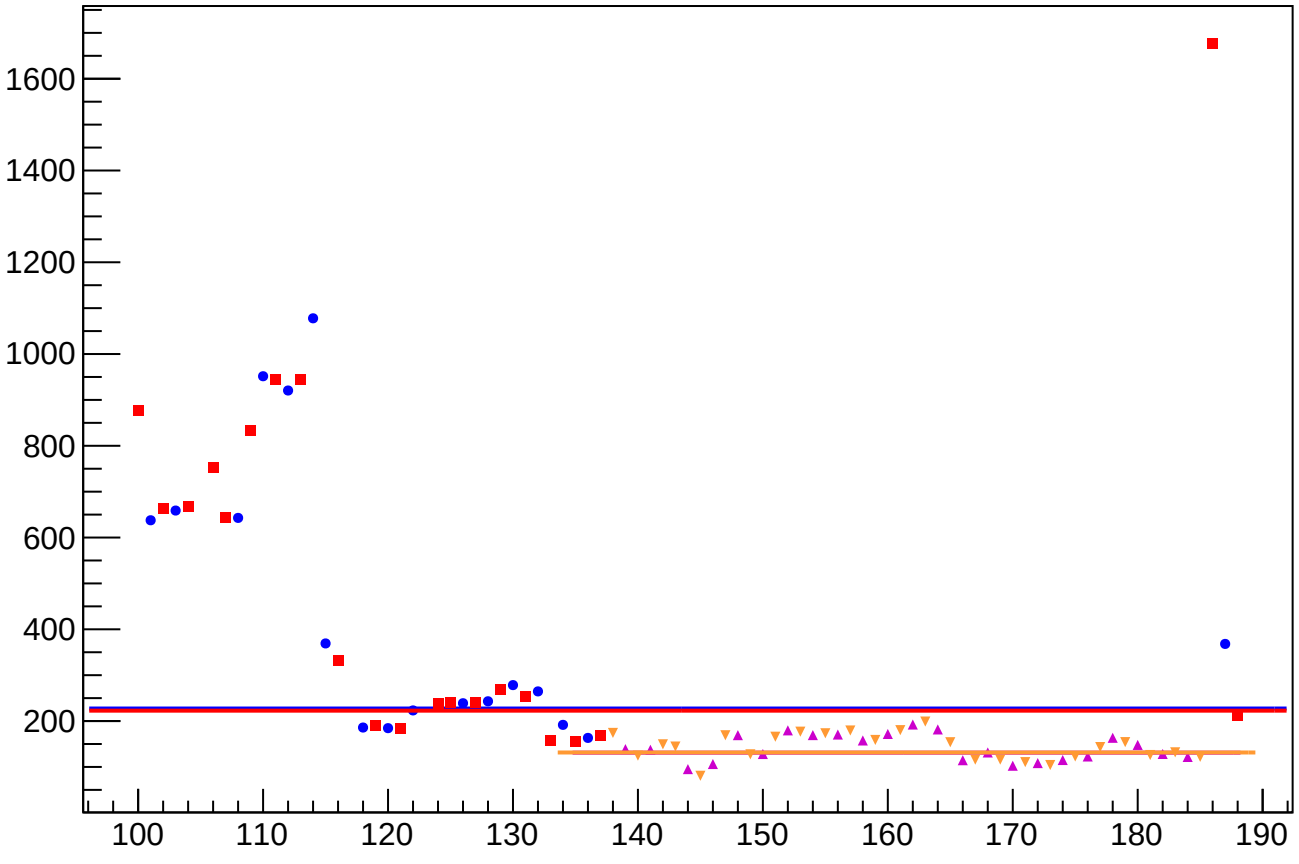
Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 45.251+/-0.006 χ^2/NDF: 3292102.6/41

All: 45.675+/-0.005 χ^2/NDF: 7665403.5/85

- sign 46.120+/-0.007 χ^2/NDF: 4364291.9/43


asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 69.602+/-93.923 χ²/NDF: 11.4/16
Left Out: -109.869+/-30.759 χ²/NDF:36.3/24
Right Out: -92.684+/-86.978 χ²/NDF: 20.9/20
Left In: -18.838+/-31.477 χ²/NDF:27.2/22
+ sign -92.485+/-29.231 χ²/NDF: 51.0/41
All: -60.344+/-20.798 χ²/NDF: 102.1/85
- sign -27.390+/-29.598 χ²/NDF: 48.7/43



Right In: 227.326+/-0.066 χ^2/NDF: 3080643.3/16

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 222.688+/-0.062 χ^2/NDF: 4452554.5/20

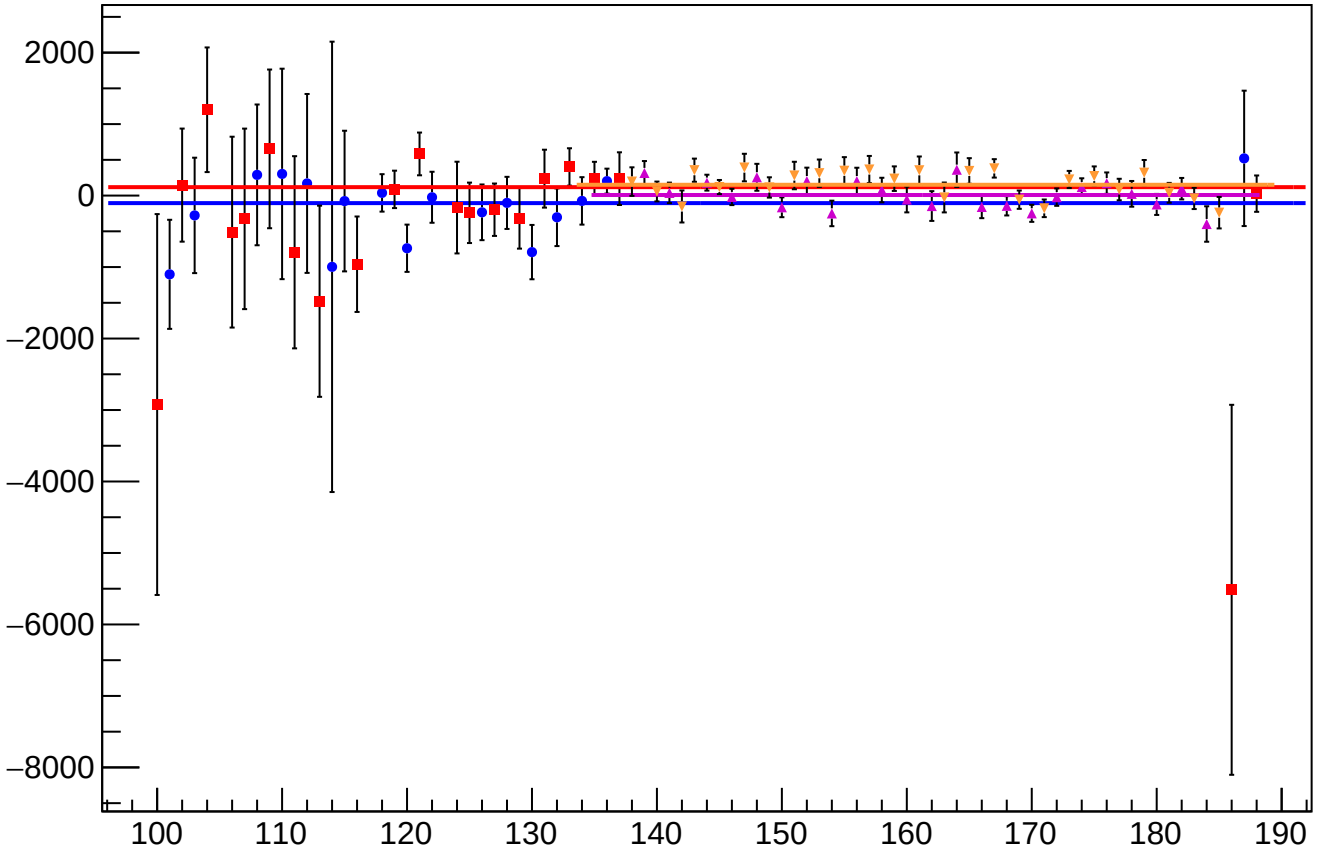
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 140.796+/-0.021 χ^2/NDF: 6863193.0/41

All: 141.234+/-0.015 χ^2/NDF: 14746441.1/85

- sign 141.683+/-0.021 χ^2/NDF: 7882337.7/43

asym_sam_37_26_dd_mean vs Slug



Right In: -105.409+/-96.053 χ^2/NDF: 13.3/16

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 117.881+/-92.336 χ^2/NDF: 19.6/20

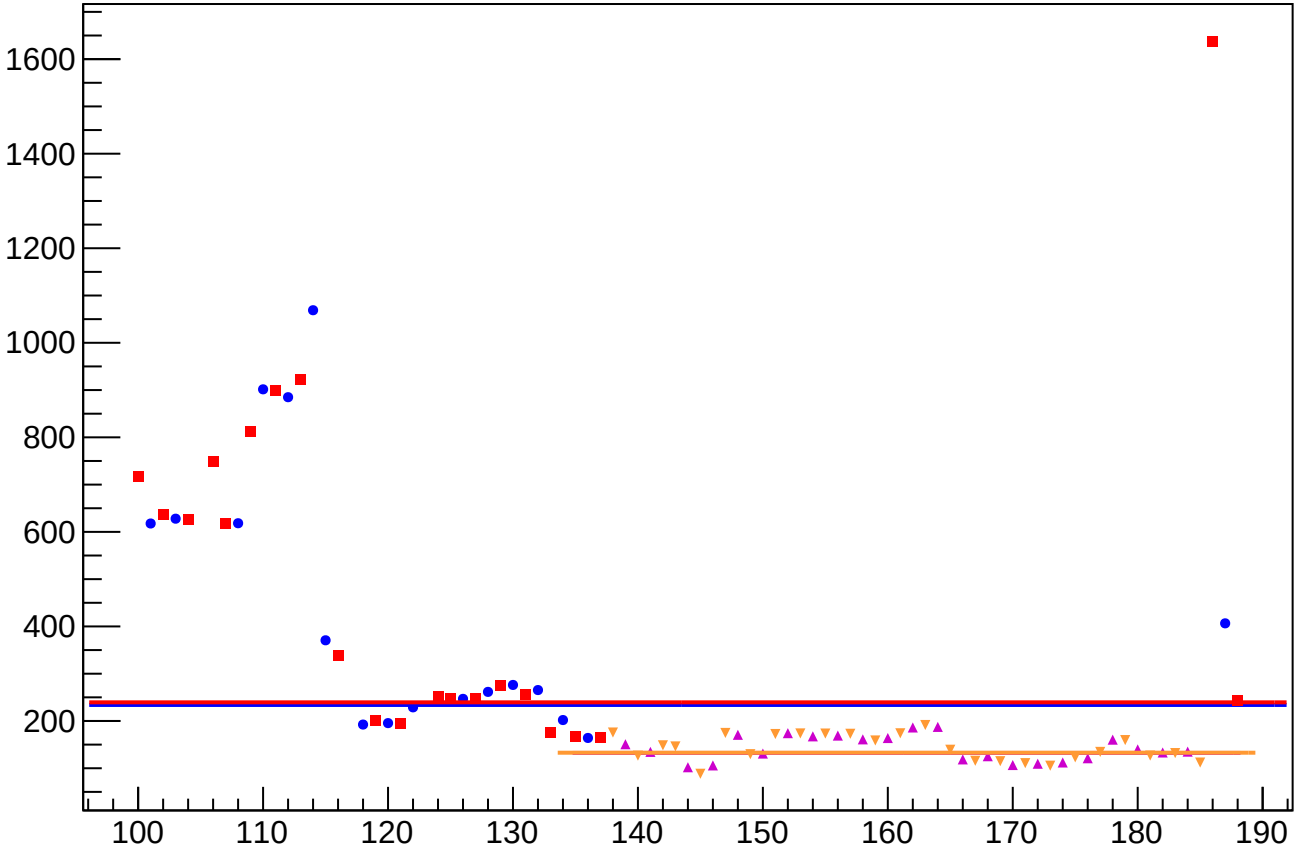
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 126.978+/-29.460 χ^2/NDF: 52.8/41

All: 74.054+/-20.991 χ^2/NDF: 109.7/85

- sign 19.481+/-29.916 χ^2/NDF: 50.3/43

asym_sam_37_26_dd_rms vs Slug



Right In: 233.901+/-0.068 χ^2/NDF: 2952669.6/16

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

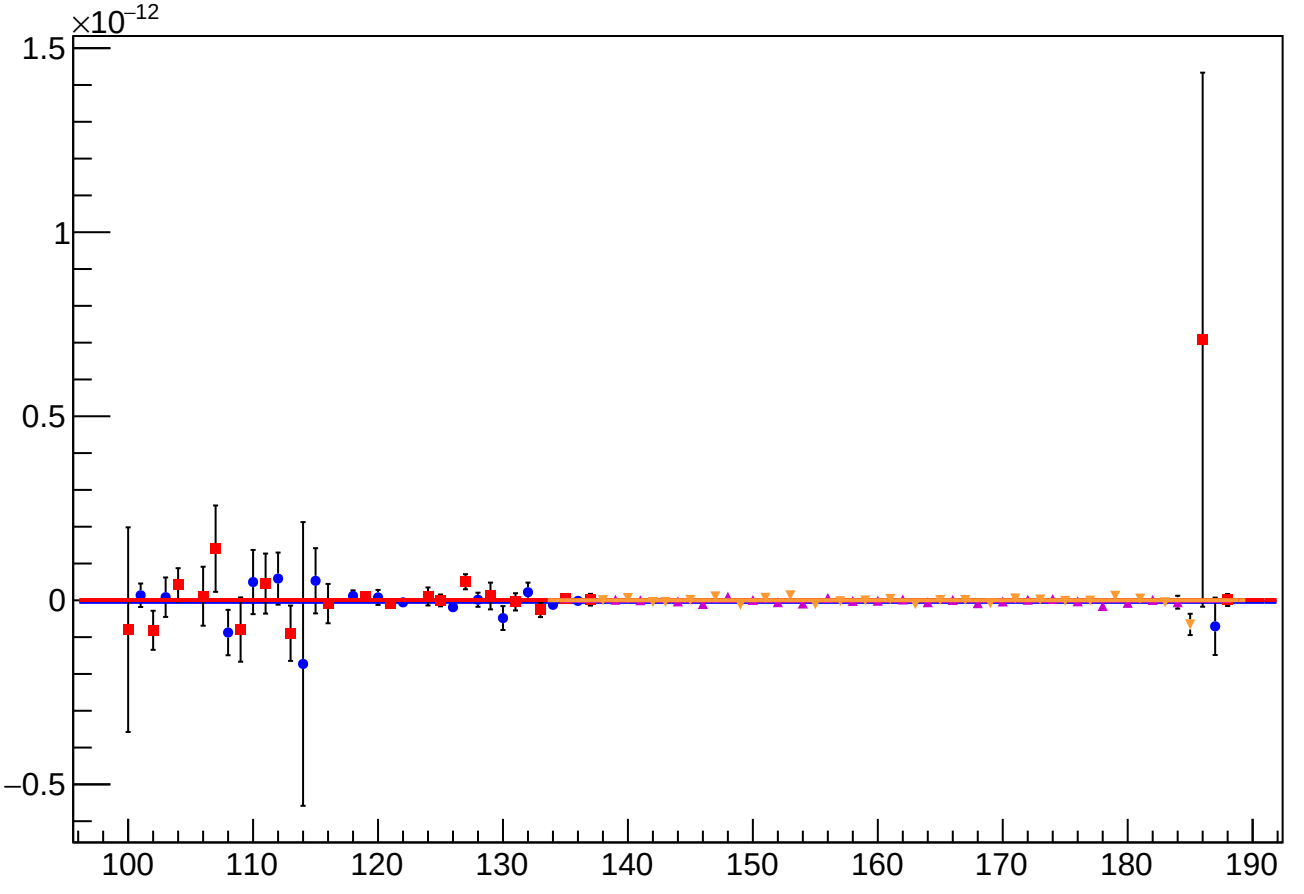
Right Out: 239.429+/-0.065 χ^2/NDF: 4106766.5/20

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 142.379+/-0.021 χ^2/NDF: 6549309.8/41

All: 142.971+/-0.015 χ^2/NDF: 14343160.0/85

- sign 143.582+/-0.021 χ^2/NDF: 7792207.7/43



Right In: -0.000+/-0.000 χ^2/NDF: 12.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

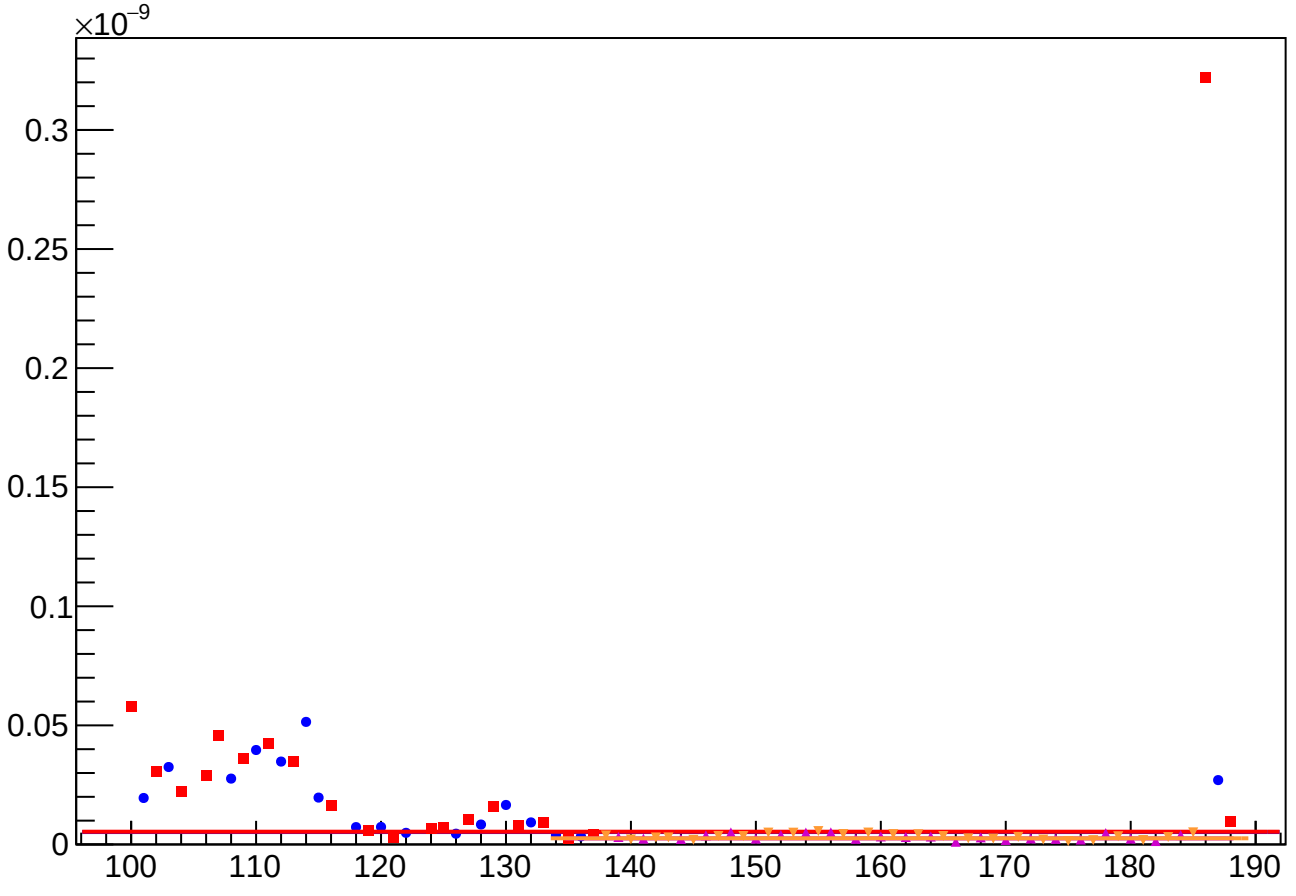
Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/20

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.7/41

All: -0.000+/-0.000 χ^2/NDF: 80.5/85

- sign -0.000+/-0.000 χ^2/NDF: 34.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 2775347.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3758289.8/20

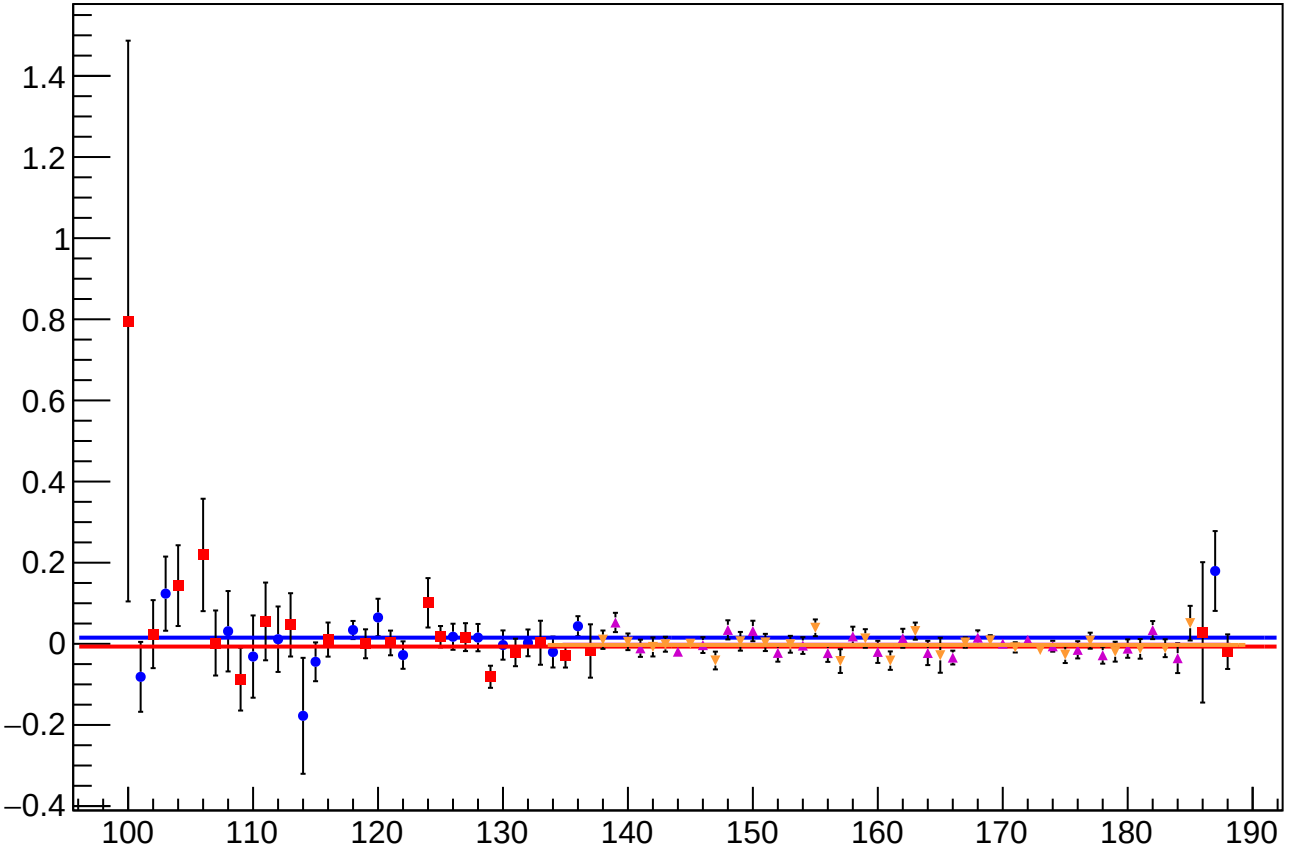
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5904948.9/41

All: 0.000+/-0.000 χ^2/NDF: 12198858.0/85

- sign 0.000+/-0.000 χ^2/NDF: 6292094.4/43

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.010 χ^2/NDF: 21.6/20

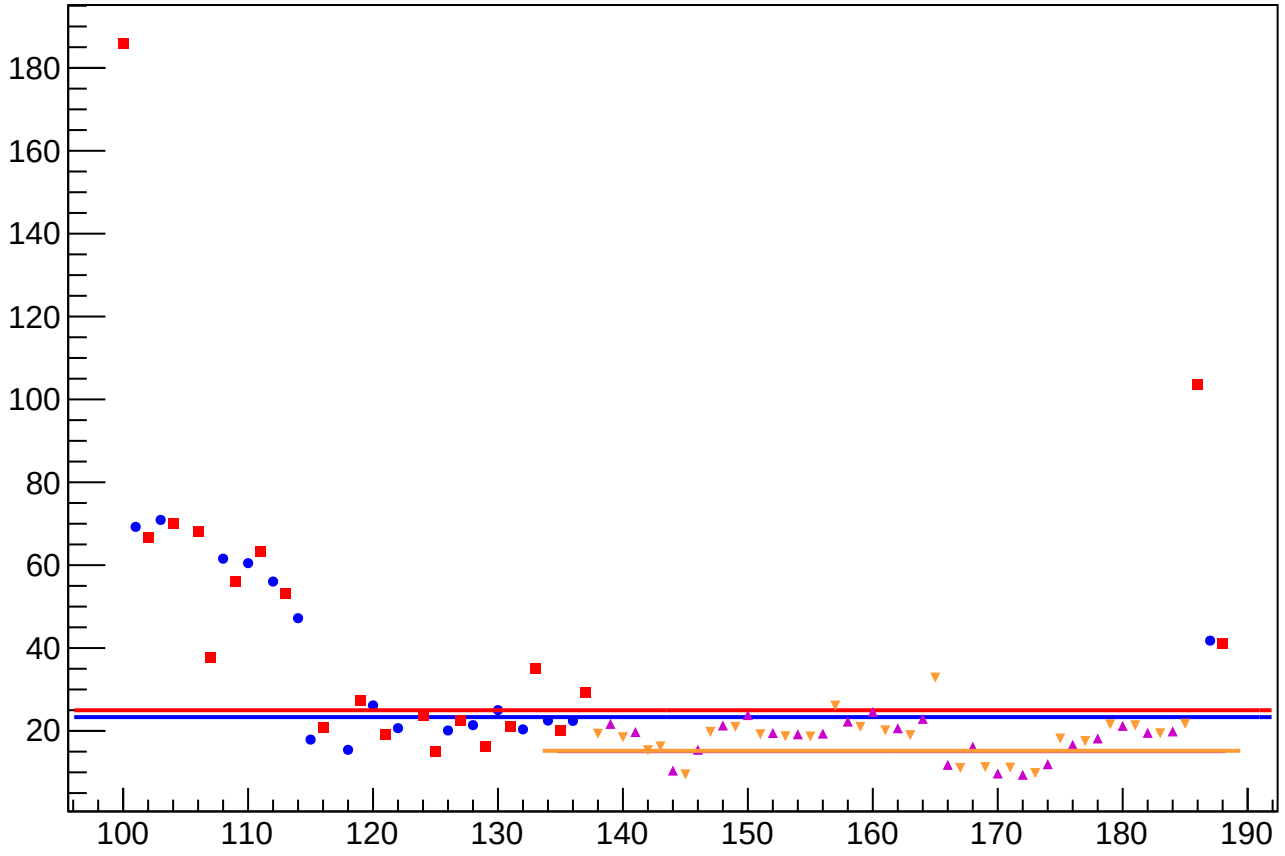
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 40.7/41

All: -0.002+/-0.002 χ^2/NDF: 89.7/85

- sign -0.003+/-0.004 χ^2/NDF: 48.7/43

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.330+/-0.007 χ^2/NDF: 2477421.9/16

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

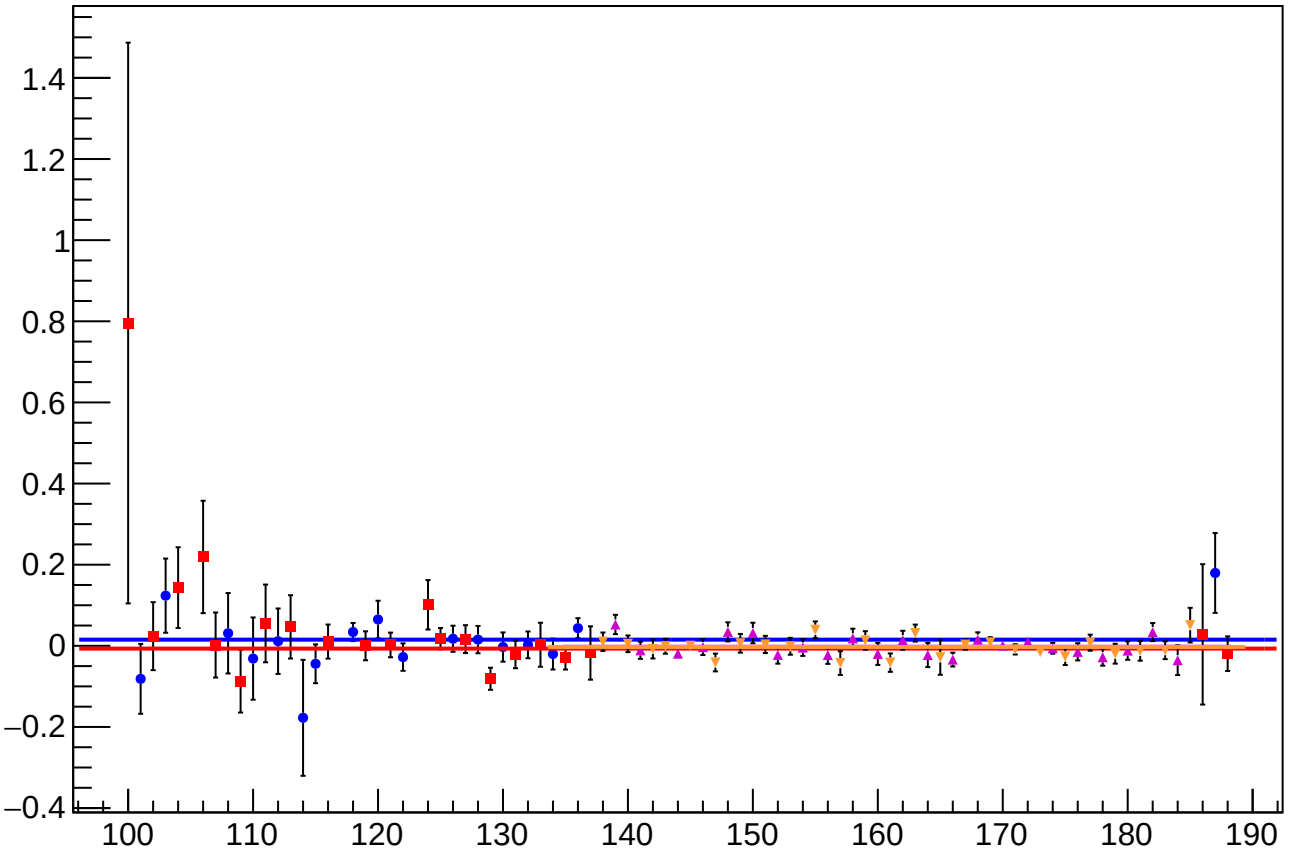
Right Out: 24.987+/-0.007 χ^2/NDF: 3622894.7/20

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.219+/-0.002 χ^2/NDF: 7123571.4/41

All: 16.319+/-0.002 χ^2/NDF: 15918283.6/85

- sign 16.426+/-0.003 χ^2/NDF: 8791245.3/43



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

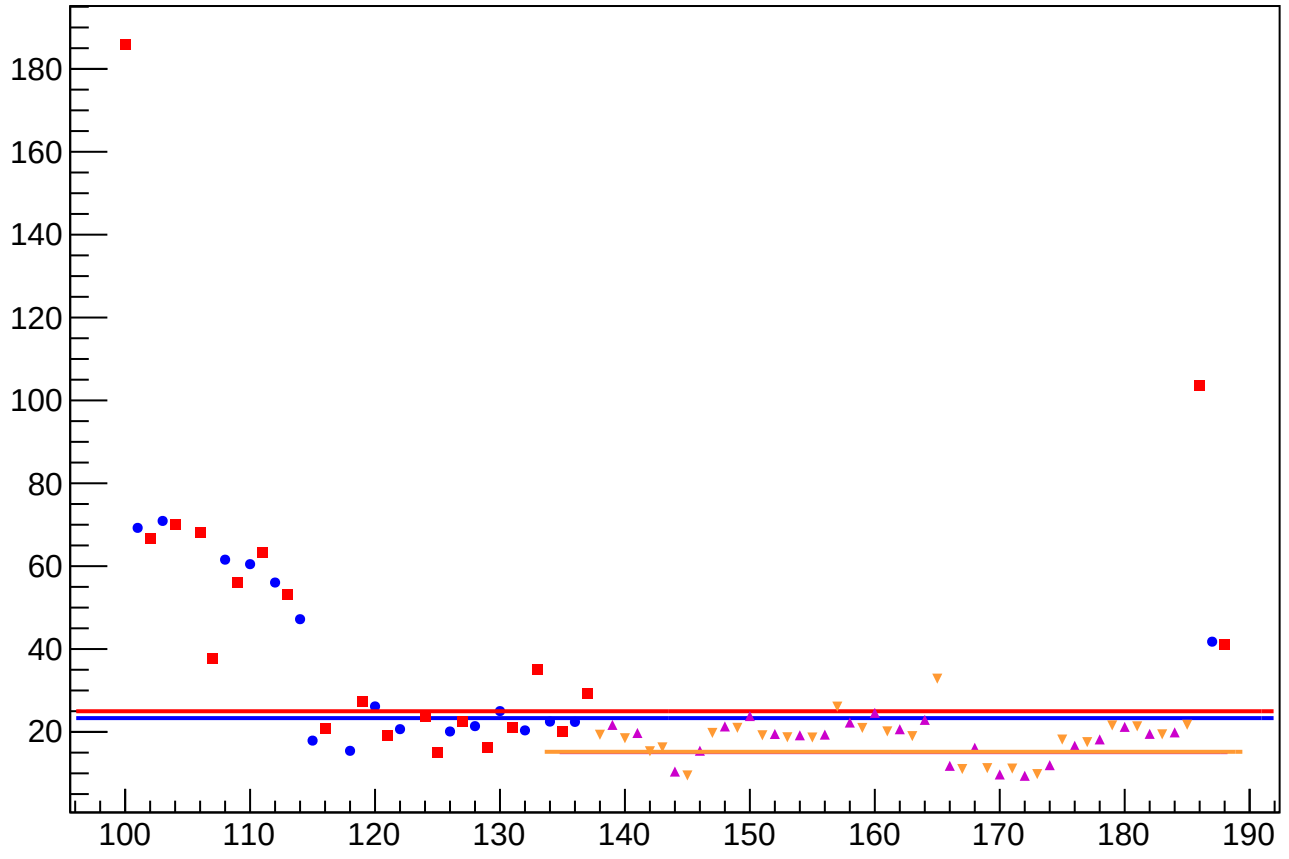
Right Out: -0.007+/-0.010 χ^2/NDF: 21.6/20

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 40.7/41

All: -0.002+/-0.002 χ^2/NDF: 89.7/85

- sign -0.003+/-0.004 χ^2/NDF: 48.7/43



Right In: 23.330+/-0.007 χ^2/NDF: 2477421.9/16

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

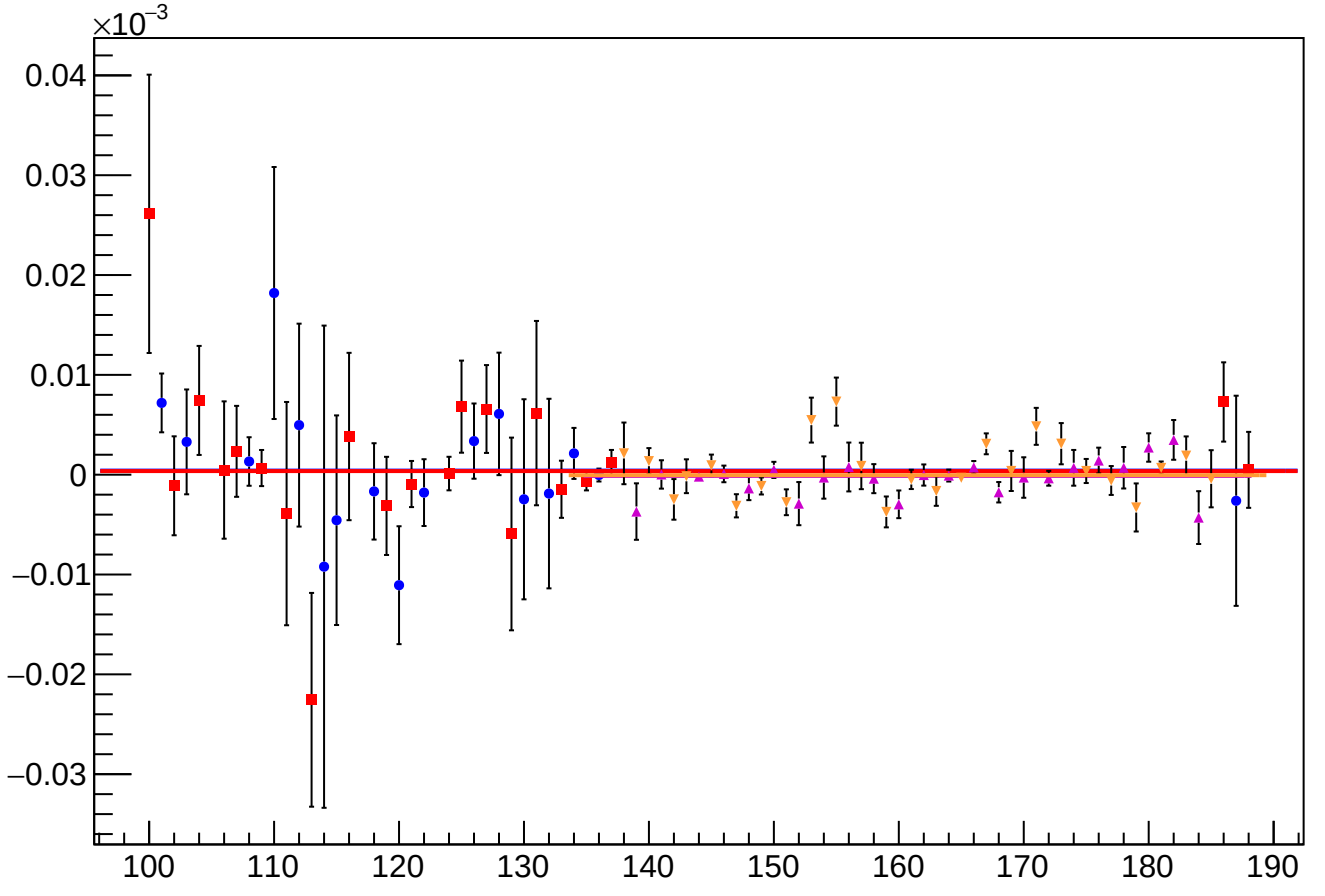
Right Out: 24.987+/-0.007 χ^2/NDF: 3622894.7/20

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

\+ sign 16.219+/-0.002 χ^2/NDF: 7123571.4/41

All: 16.319+/-0.002 χ^2/NDF: 15918283.6/85

\- sign 16.426+/-0.003 χ^2/NDF: 8791245.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

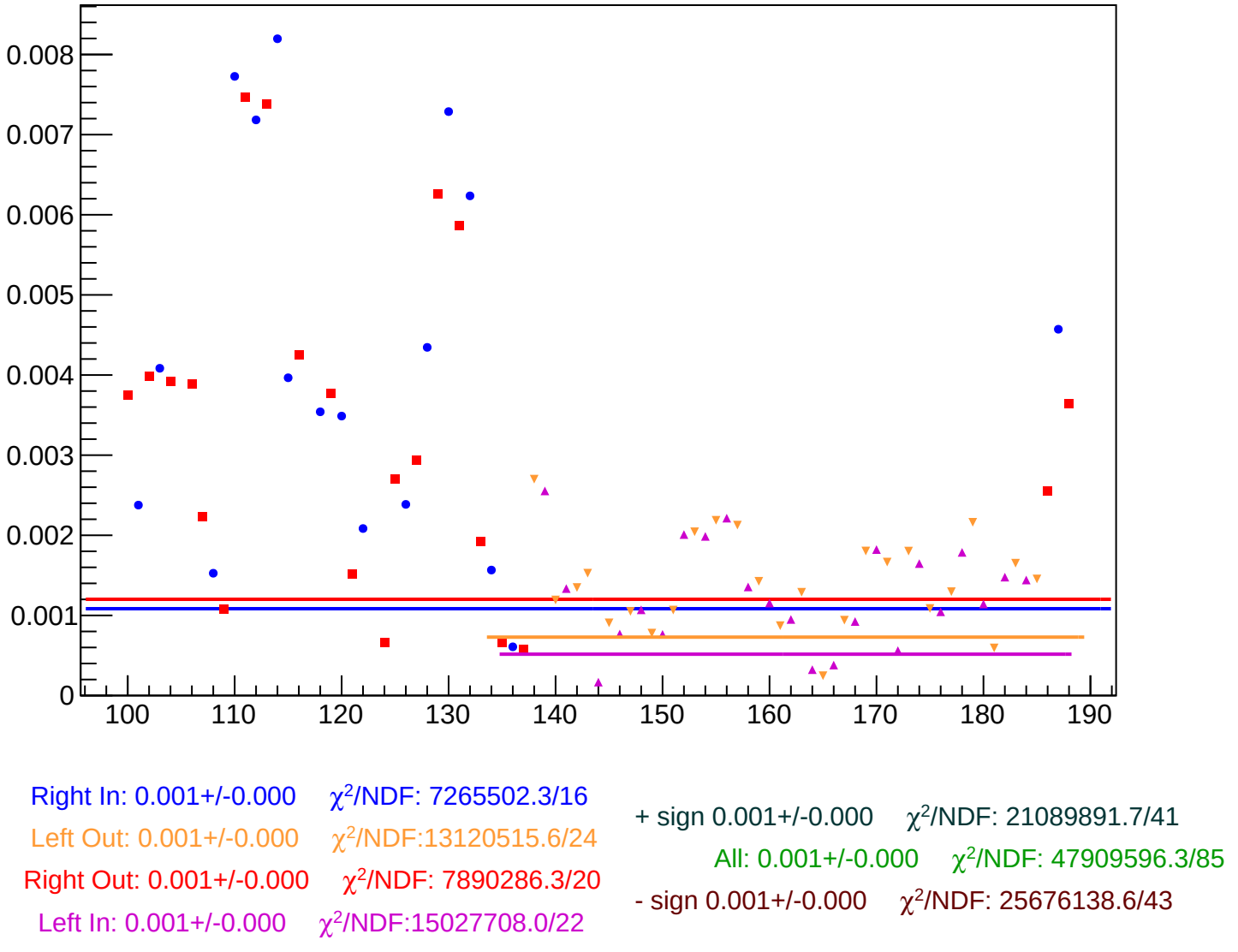
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/20

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

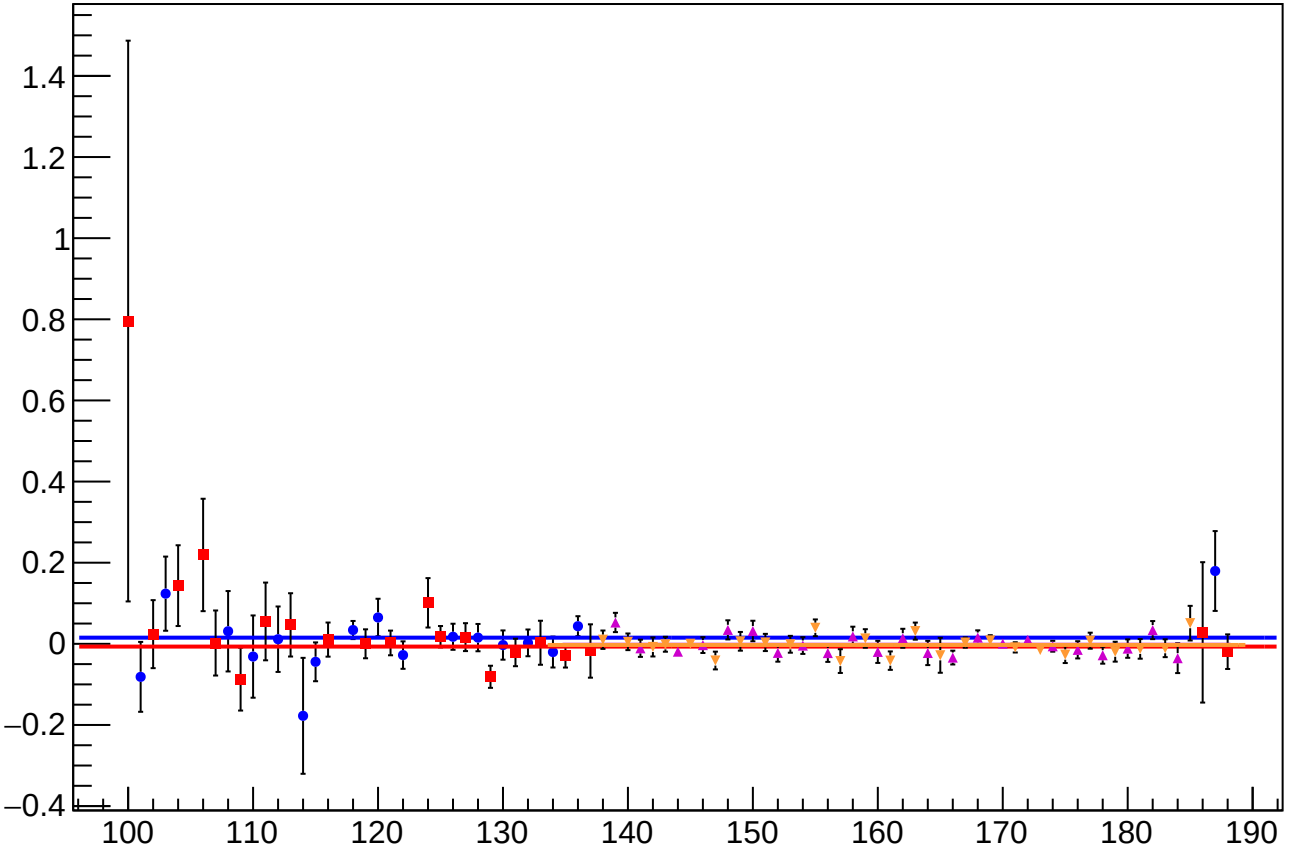
+ sign 0.000+/-0.000 χ^2/NDF: 78.8/41

All: -0.000+/-0.000 χ^2/NDF: 126.0/85

- sign -0.000+/-0.000 χ^2/NDF: 47.1/43


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 7265502.3/16
Left Out: 0.001+/-0.000 χ²/NDF:13120515.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 7890286.3/20
Left In: 0.001+/-0.000 χ²/NDF:15027708.0/22
+ sign 0.001+/-0.000 χ²/NDF: 21089891.7/41
All: 0.001+/-0.000 χ²/NDF: 47909596.3/85
- sign 0.001+/-0.000 χ²/NDF: 25676138.6/43

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

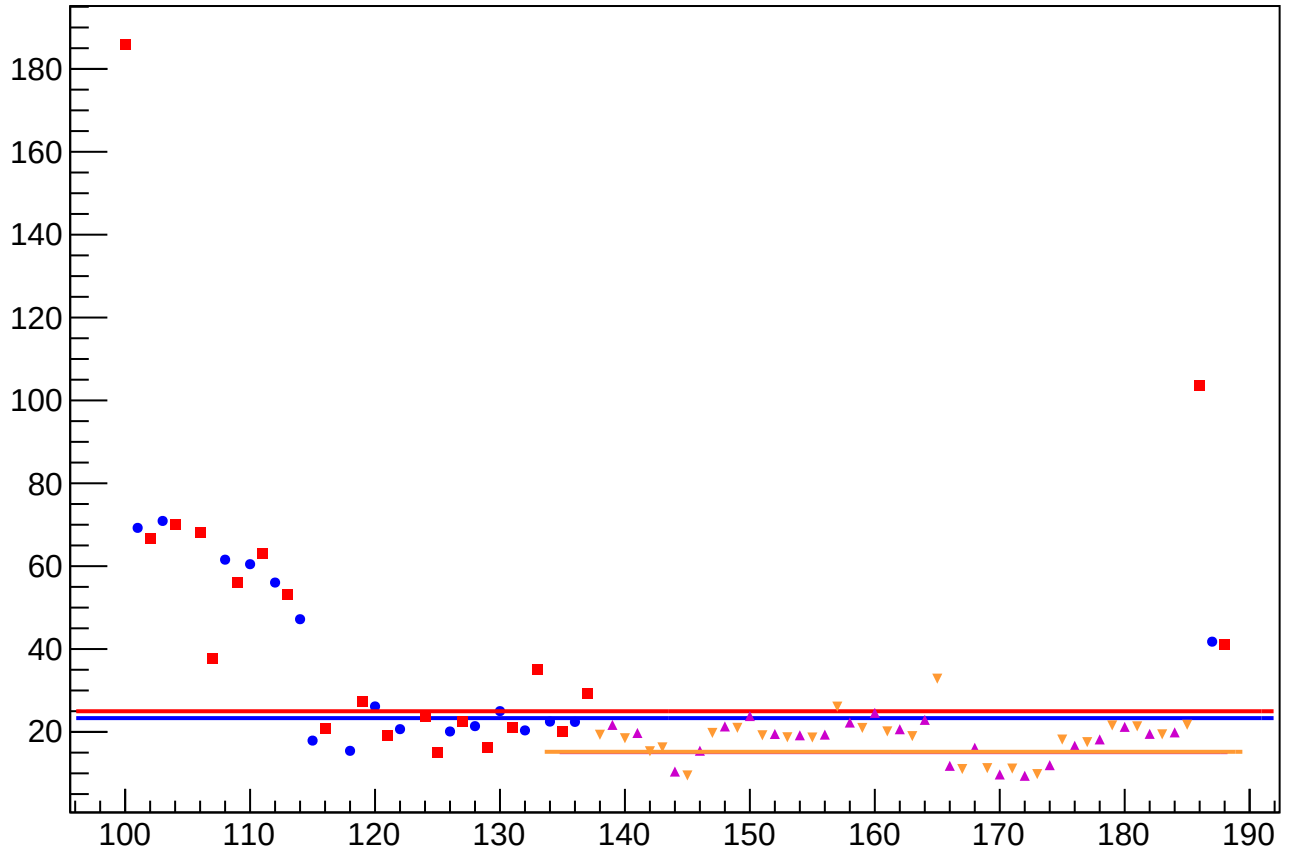
Right Out: -0.007+/-0.010 χ^2/NDF: 21.6/20

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 40.7/41

All: -0.002+/-0.002 χ^2/NDF: 89.7/85

- sign -0.003+/-0.004 χ^2/NDF: 48.7/43



Right In: 23.328+/-0.007 χ^2/NDF: 2477465.2/16

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

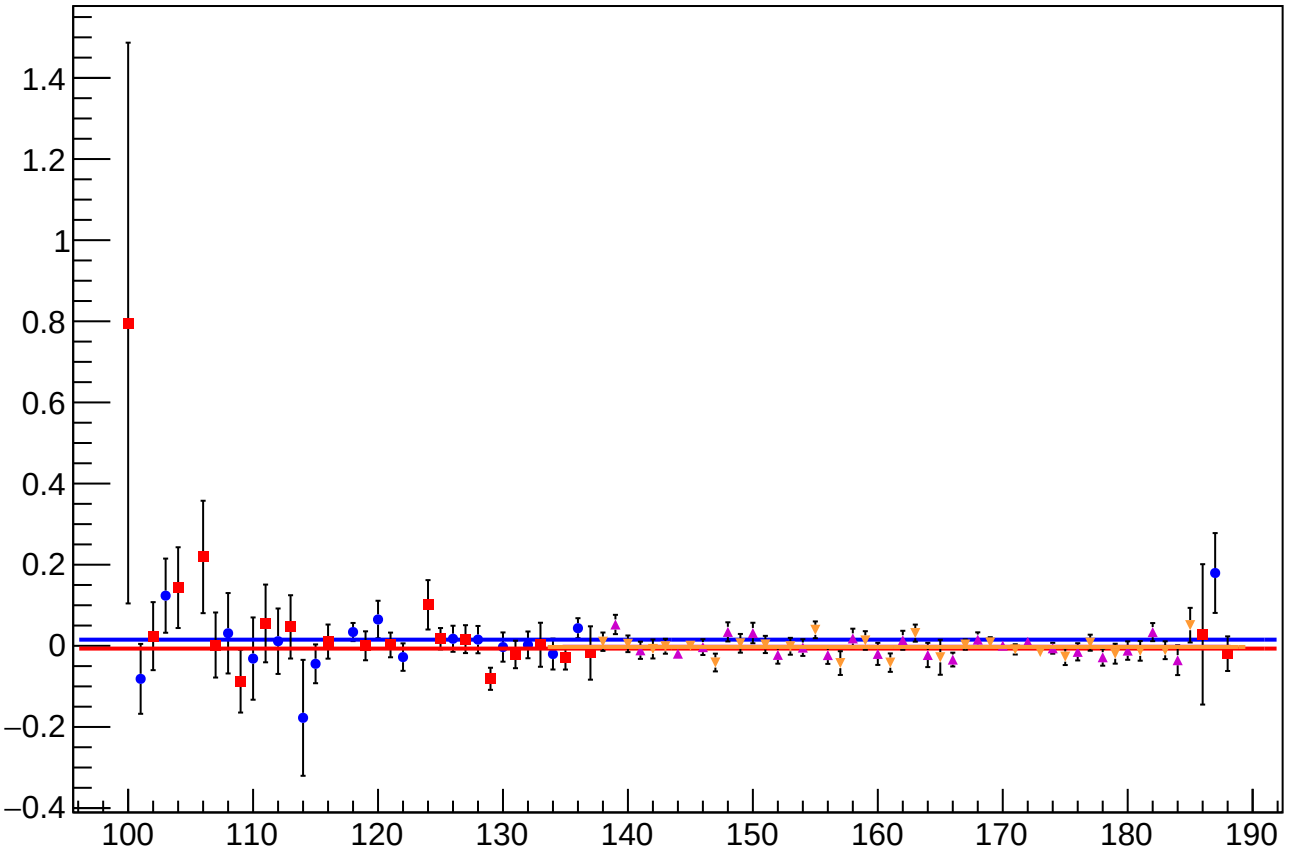
Right Out: 24.986+/-0.007 χ^2/NDF: 3622925.5/20

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.219+/-0.002 χ^2/NDF: 7123419.9/41

All: 16.319+/-0.002 χ^2/NDF: 15918016.8/85

- sign 16.426+/-0.003 χ^2/NDF: 8791127.0/43



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

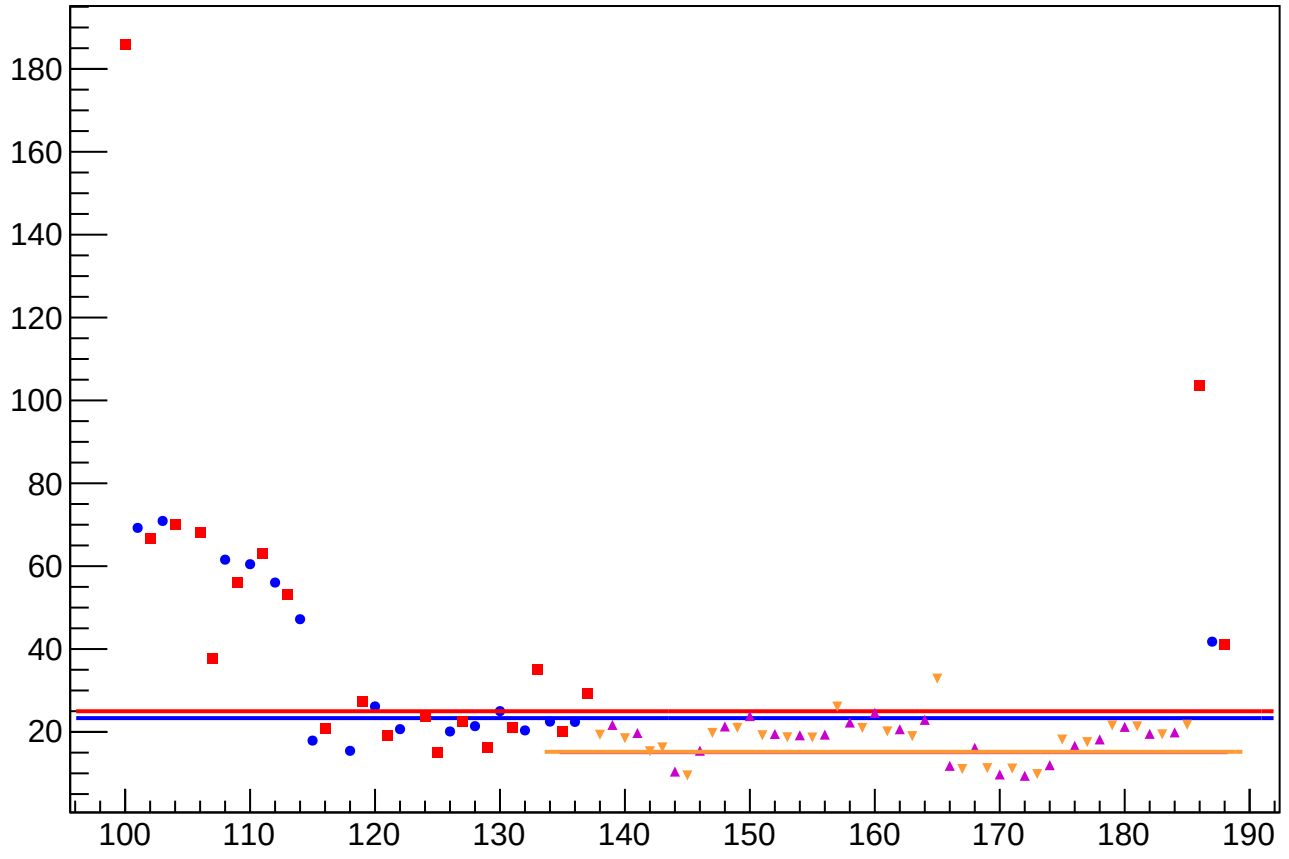
Right Out: -0.007+/-0.010 χ^2/NDF: 21.6/20

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 40.7/41

All: -0.002+/-0.002 χ^2/NDF: 89.7/85

- sign -0.003+/-0.004 χ^2/NDF: 48.7/43



Right In: 23.328+/-0.007 χ^2/NDF: 2477465.2/16

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

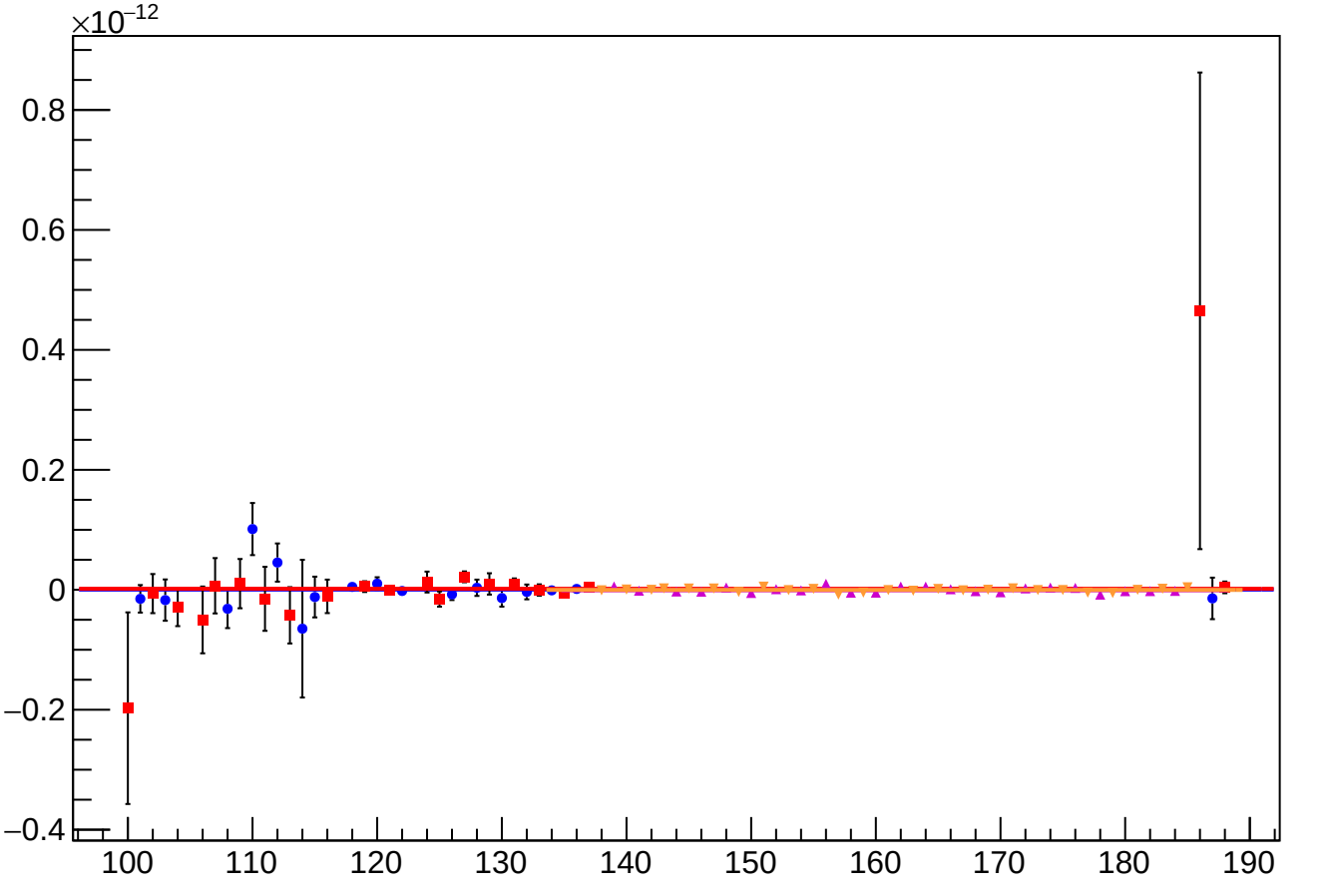
Right Out: 24.986+/-0.007 χ^2/NDF: 3622925.5/20

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.219+/-0.002 χ^2/NDF: 7123419.9/41

All: 16.319+/-0.002 χ^2/NDF: 15918016.8/85

- sign 16.426+/-0.003 χ^2/NDF: 8791127.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

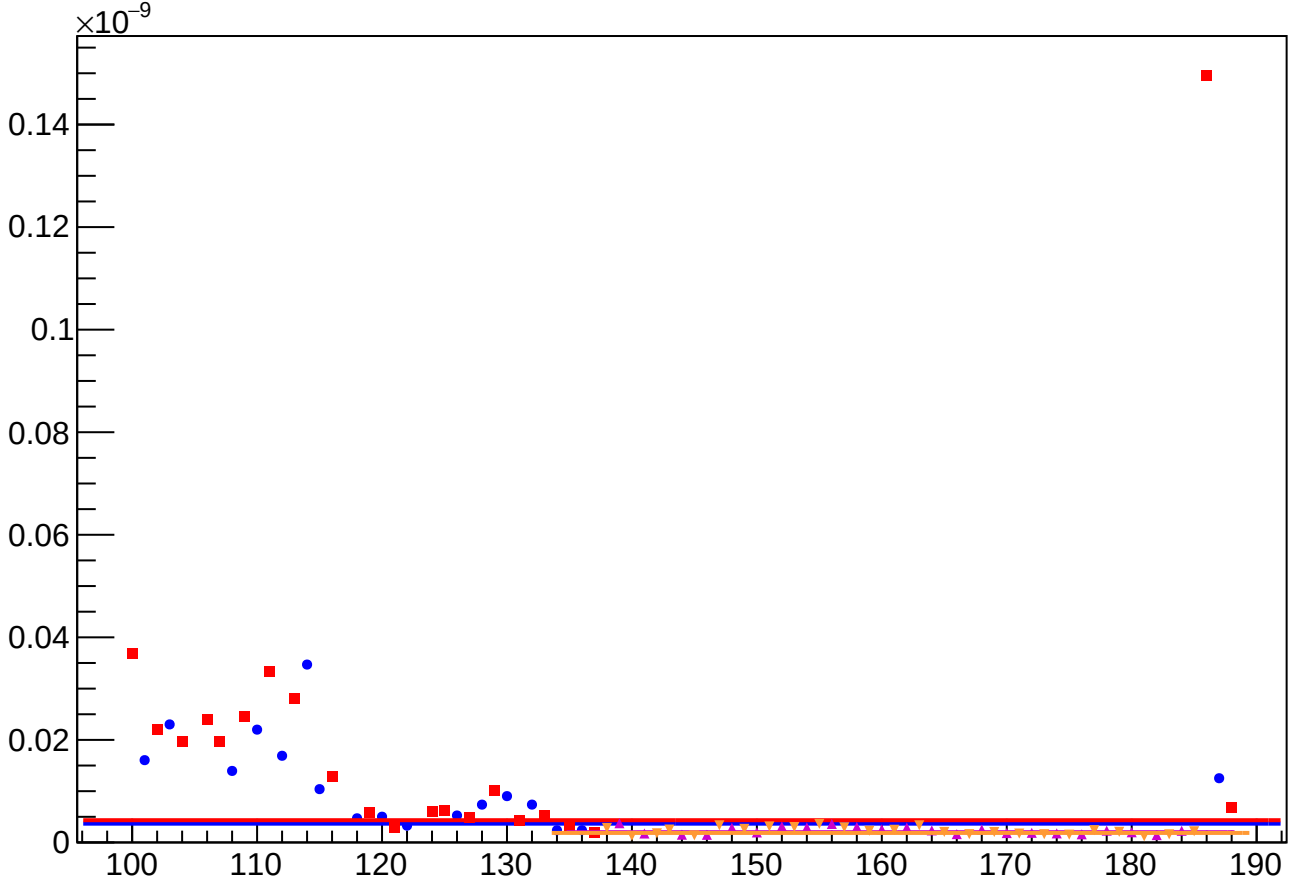
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/20

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.6/41

All: -0.000+/-0.000 χ^2/NDF: 92.6/85

- sign -0.000+/-0.000 χ^2/NDF: 57.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 3721924.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4855376.9/20

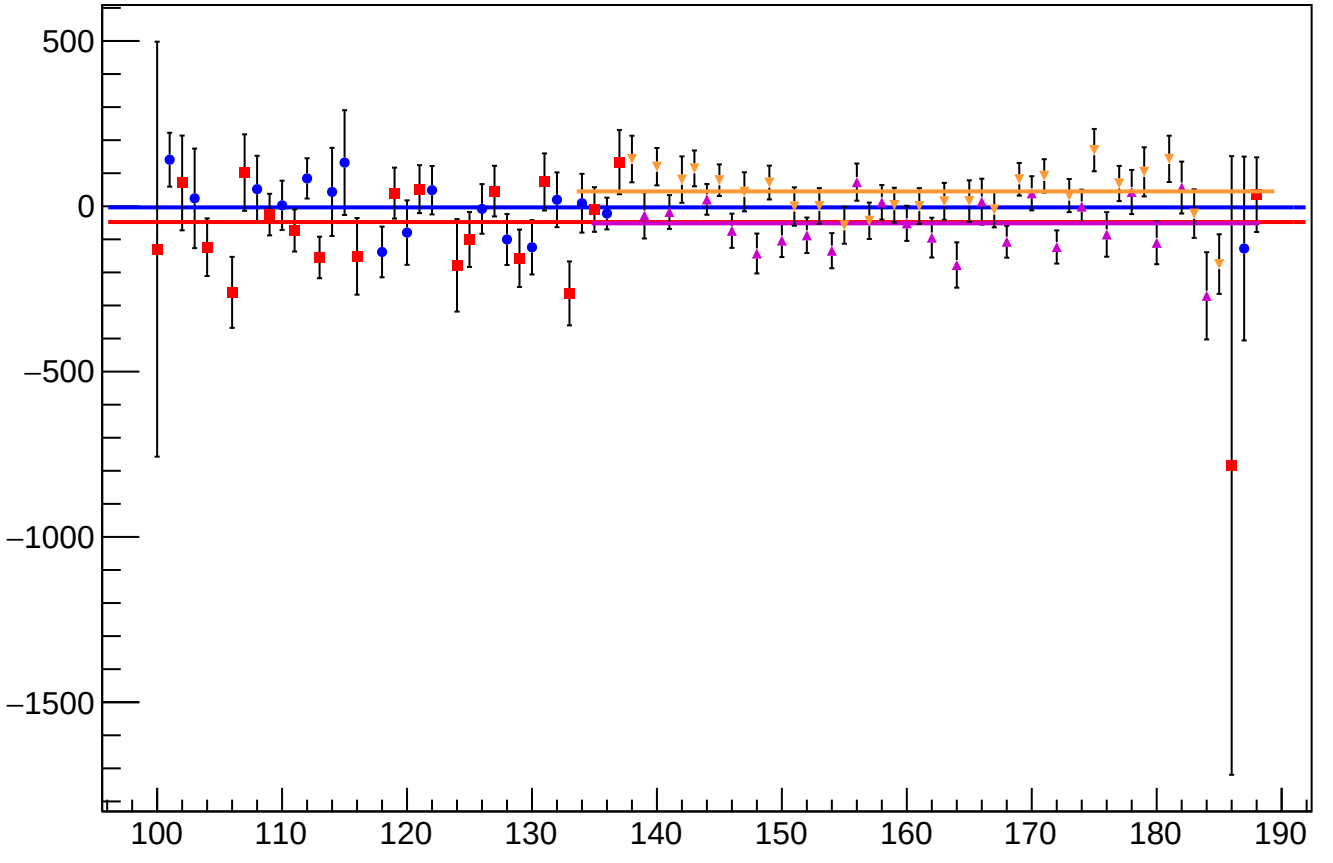
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7818158.8/41

All: 0.000+/-0.000 χ^2/NDF: 16675260.6/85

- sign 0.000+/-0.000 χ^2/NDF: 8757515.5/43

reg_asym_sam_1357_avg_mean vs Slug



Right In: -3.258+/-19.943 χ^2/NDF: 14.8/16

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -47.636+/-19.328 χ^2/NDF: 30.5/20

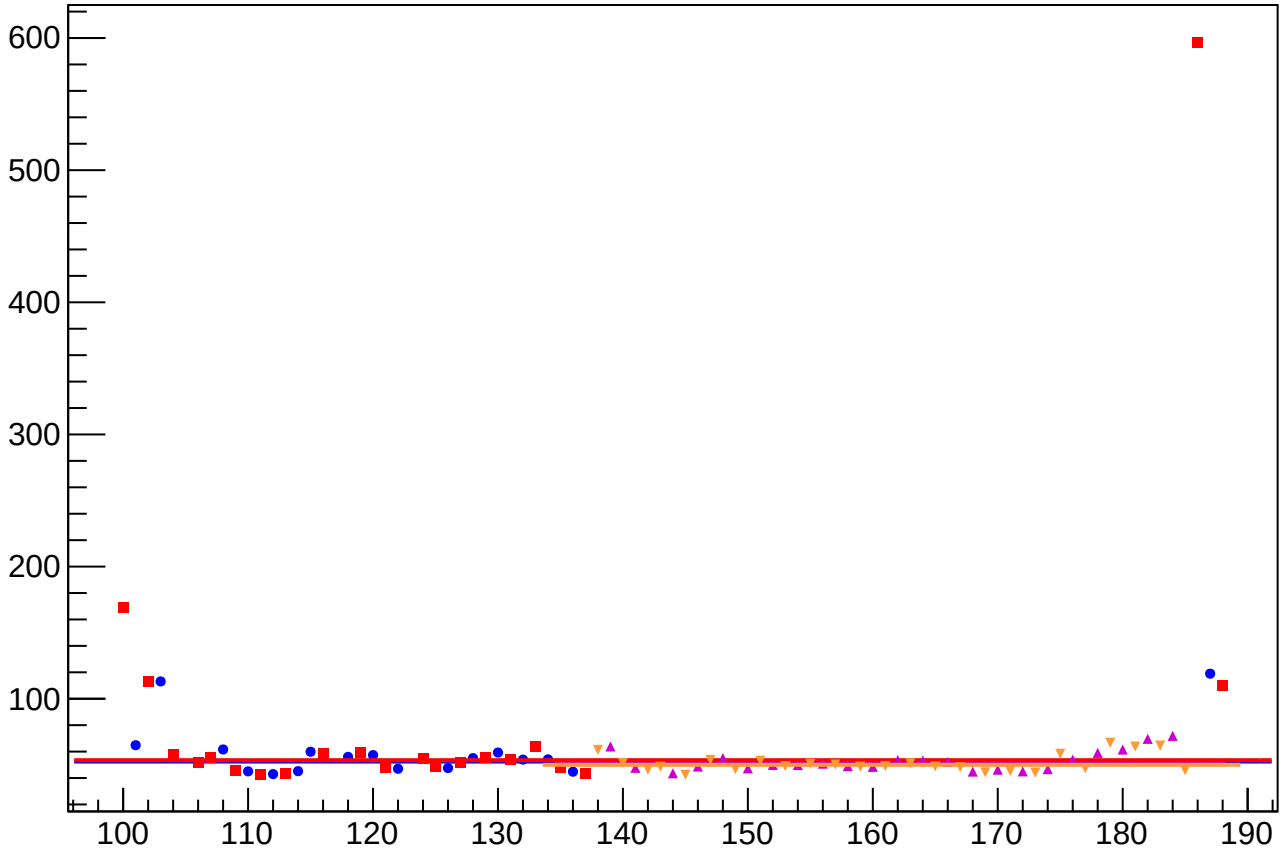
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 33.036+/-9.959 χ^2/NDF: 50.5/41

All: -7.943+/-7.109 χ^2/NDF: 151.5/85

- sign -50.518+/-10.151 χ^2/NDF: 66.4/43

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.472+/-0.014 χ^2/NDF: 677853.0/16

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

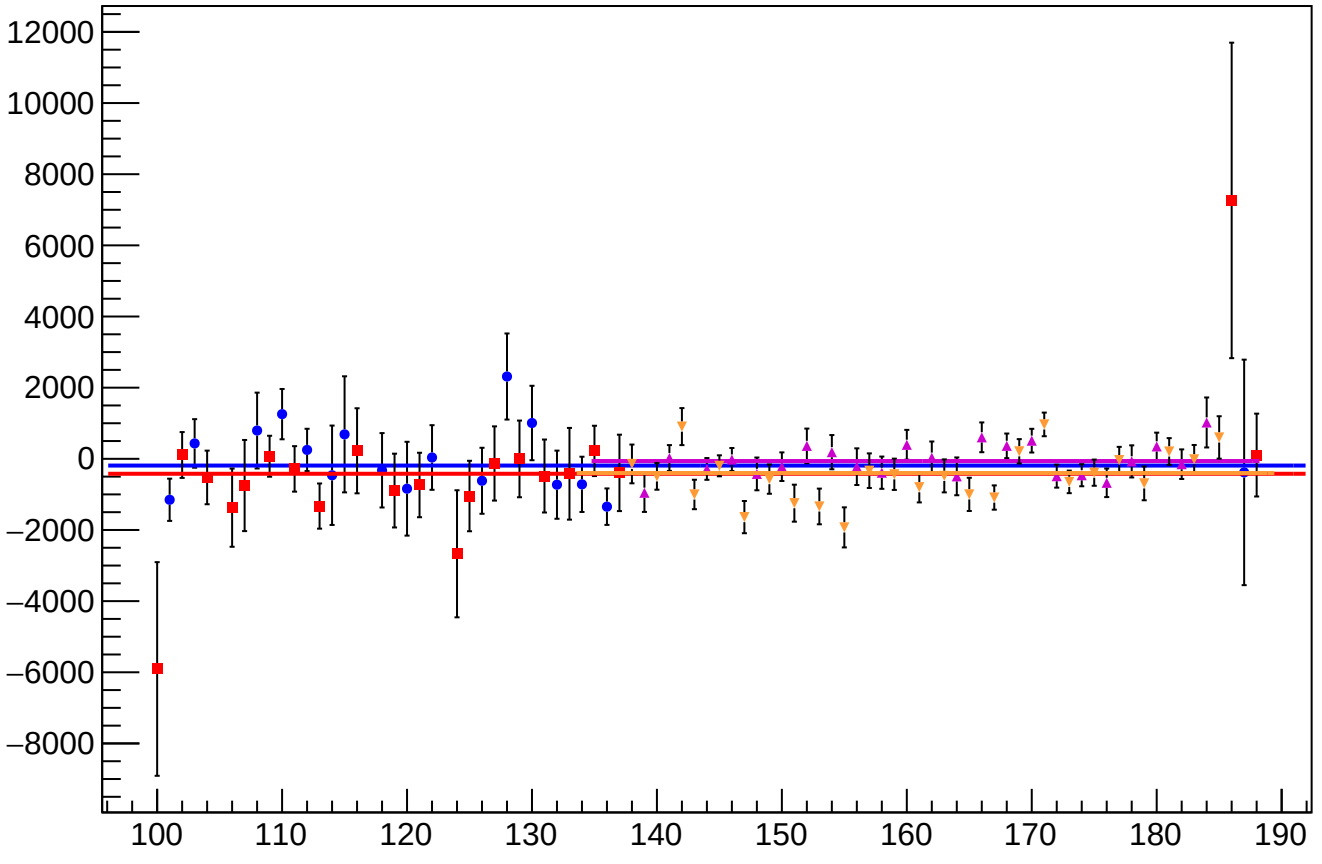
Right Out: 53.498+/-0.014 χ^2/NDF: 1835763.5/20

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.632+/-0.007 χ^2/NDF: 1209631.9/41

All: 50.977+/-0.005 χ^2/NDF: 3588253.9/85

- sign 51.336+/-0.007 χ^2/NDF: 2373729.5/43



Right In: -189.375+/-205.378 χ^2/NDF: 21.4/16

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

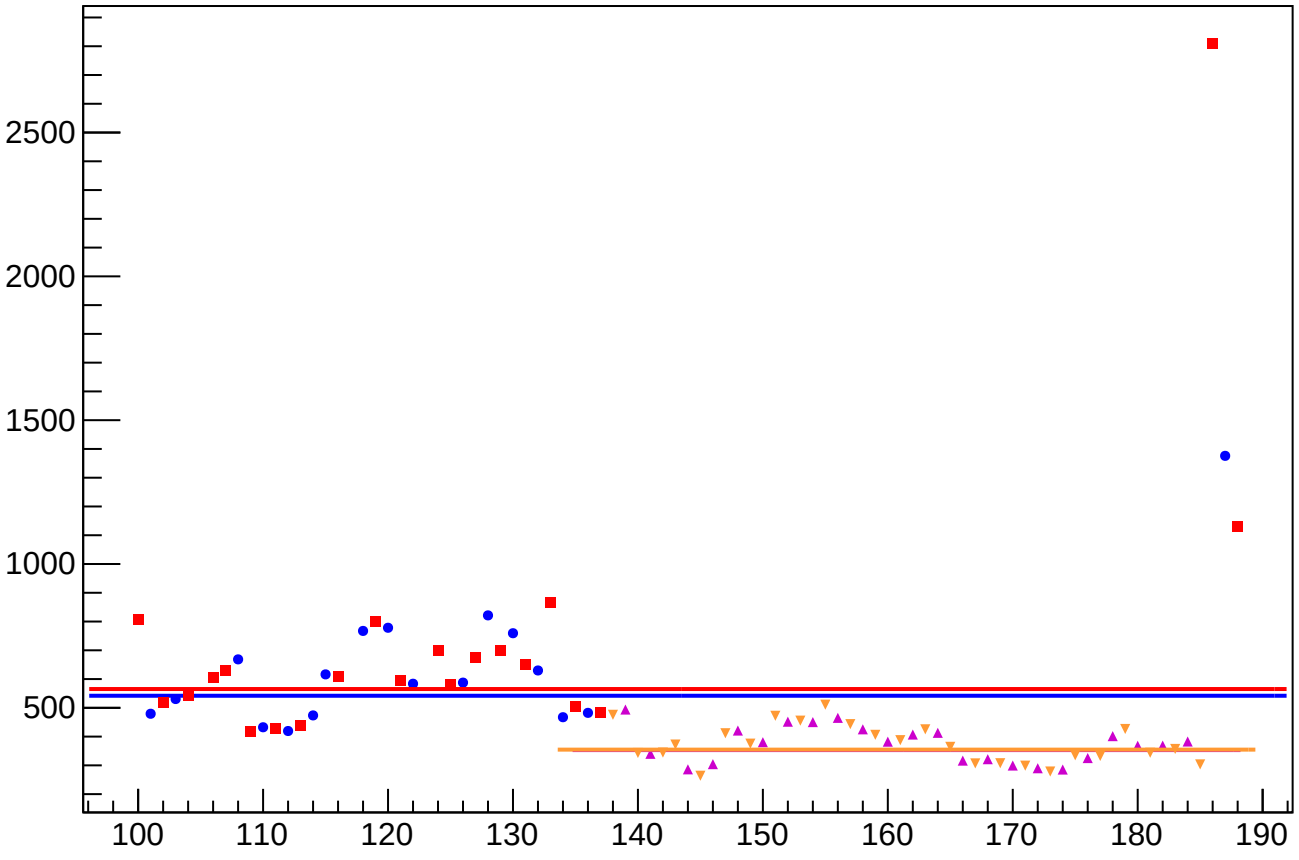
Right Out: -420.161+/-200.655 χ^2/NDF: 14.5/20

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -370.453+/-76.205 χ^2/NDF: 87.7/41

All: -244.872+/-54.303 χ^2/NDF: 134.4/85

- sign -115.324+/-77.400 χ^2/NDF: 41.2/43



Right In: 541.985+/-0.145 χ^2/NDF: 753089.7/16

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 565.368+/-0.142 χ^2/NDF: 1646596.7/20

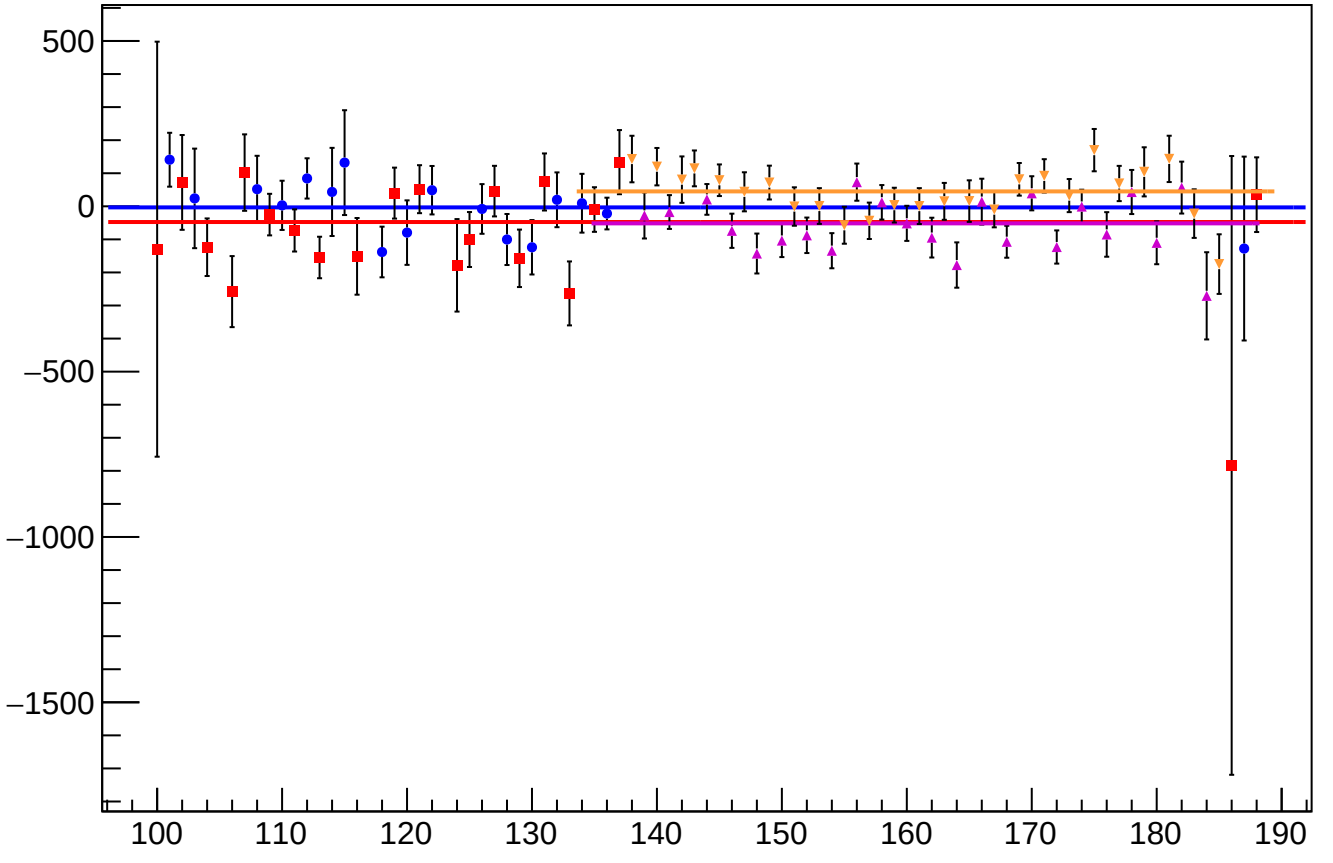
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 380.459+/-0.054 χ^2/NDF: 3333173.2/41

All: 382.543+/-0.038 χ^2/NDF: 7891932.4/85

- sign 384.692+/-0.055 χ^2/NDF: 4555721.2/43

cor_asym_sam_1357_avg_mean vs Slug



Right In: -3.262+/-19.943 χ^2/NDF: 14.8/16

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -47.522+/-19.328 χ^2/NDF: 30.4/20

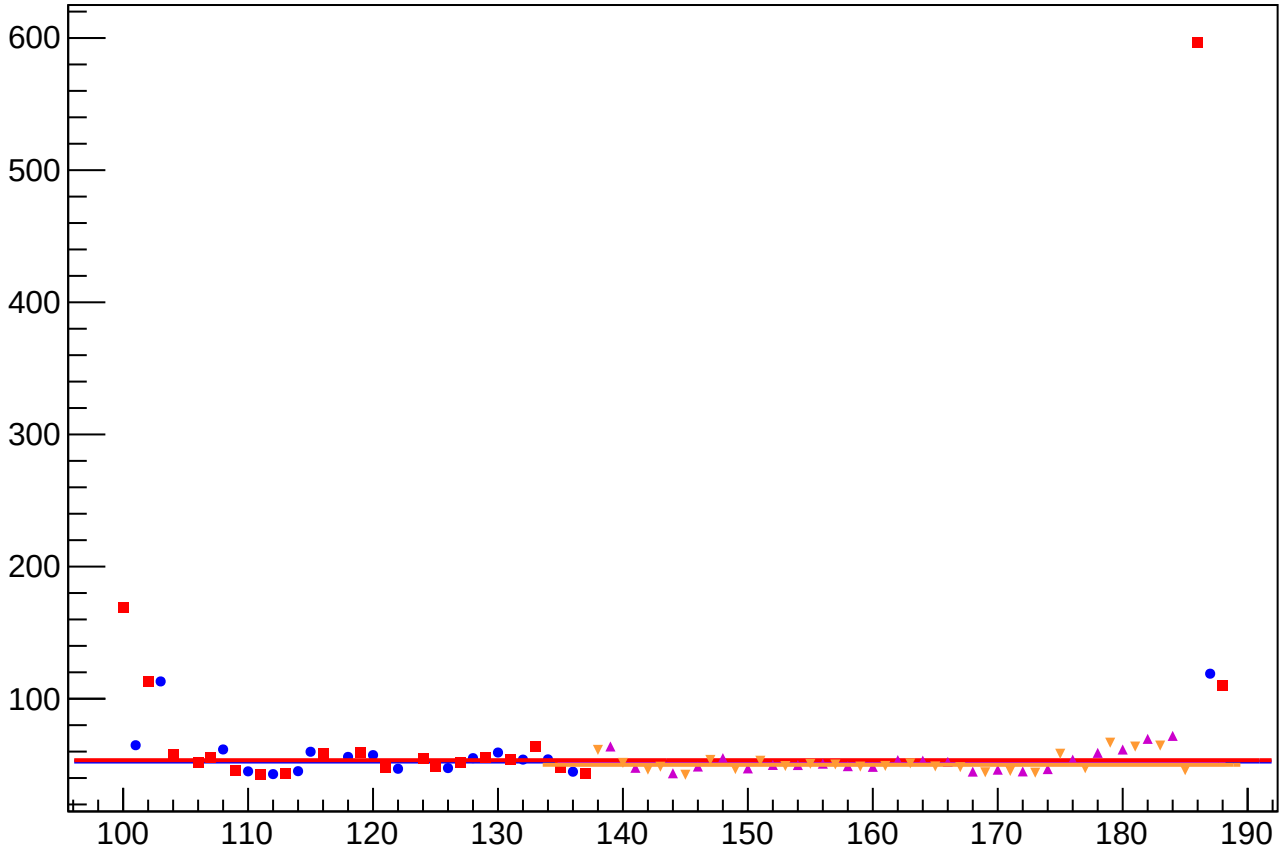
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 33.037+/-9.959 χ^2/NDF: 50.5/41

All: -7.926+/-7.109 χ^2/NDF: 151.4/85

- sign -50.487+/-10.151 χ^2/NDF: 66.3/43

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.472+/-0.014 χ^2/NDF: 677855.3/16

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

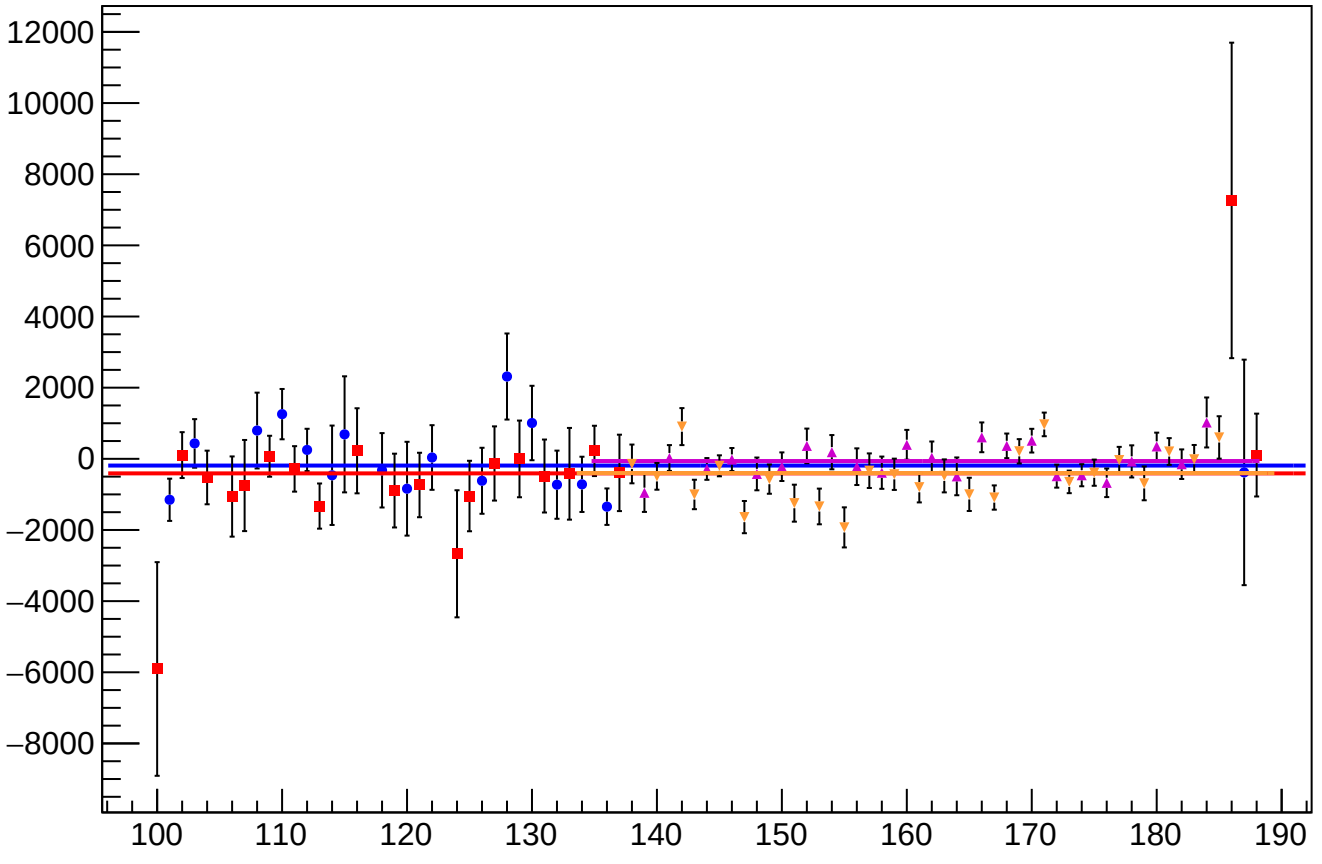
Right Out: 53.488+/-0.014 χ^2/NDF: 1836190.8/20

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.632+/-0.007 χ^2/NDF: 1209634.2/41

All: 50.976+/-0.005 χ^2/NDF: 3588415.1/85

- sign 51.333+/-0.007 χ^2/NDF: 2373926.7/43



Right In: -189.353+/-205.380 χ^2/NDF: 21.4/16

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -409.094+/-200.839 χ^2/NDF: 14.1/20

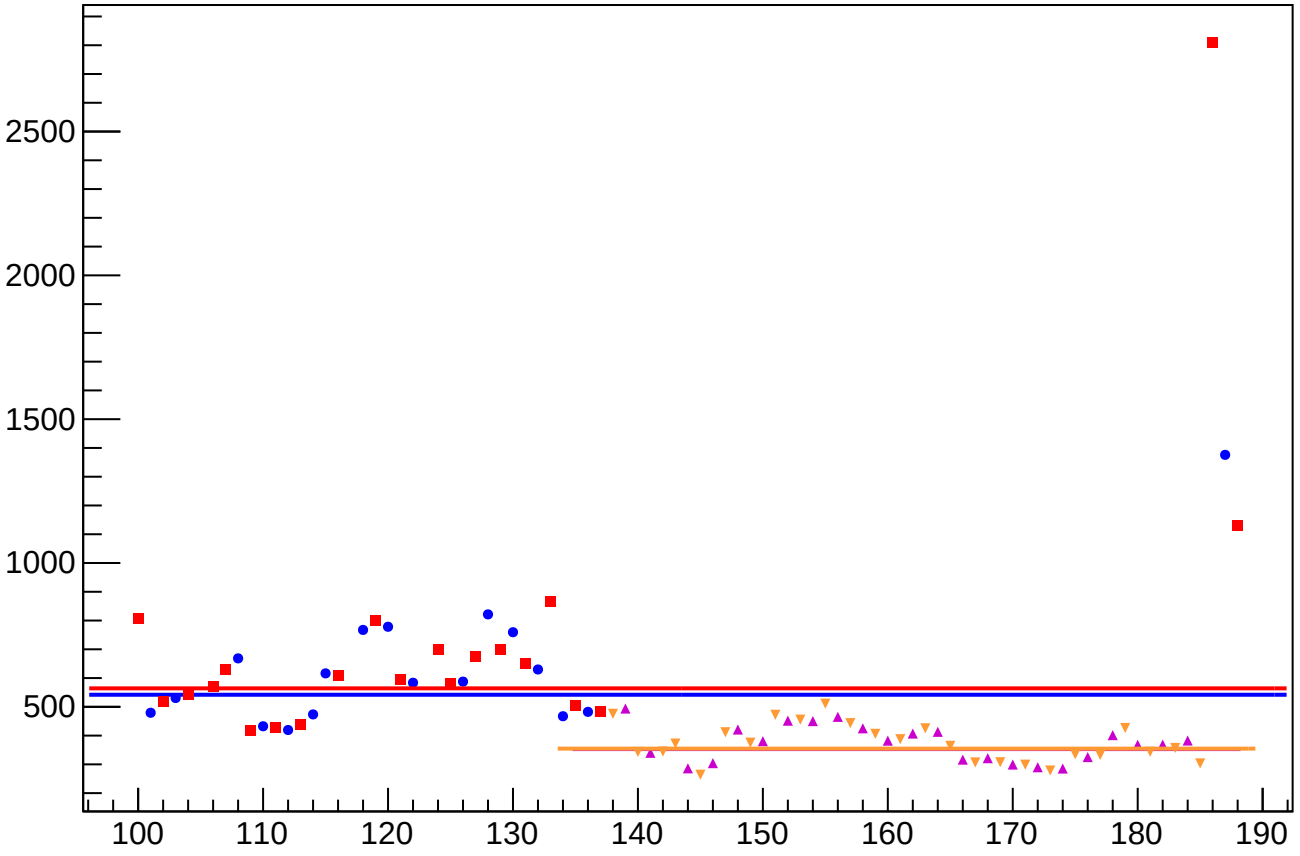
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -370.446+/-76.205 χ^2/NDF: 87.7/41

All: -244.036+/-54.306 χ^2/NDF: 133.8/85

- sign -113.596+/-77.410 χ^2/NDF: 40.6/43

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 541.990+/-0.145 χ^2/NDF: 753083.8/16

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 564.231+/-0.142 χ^2/NDF: 1643587.0/20

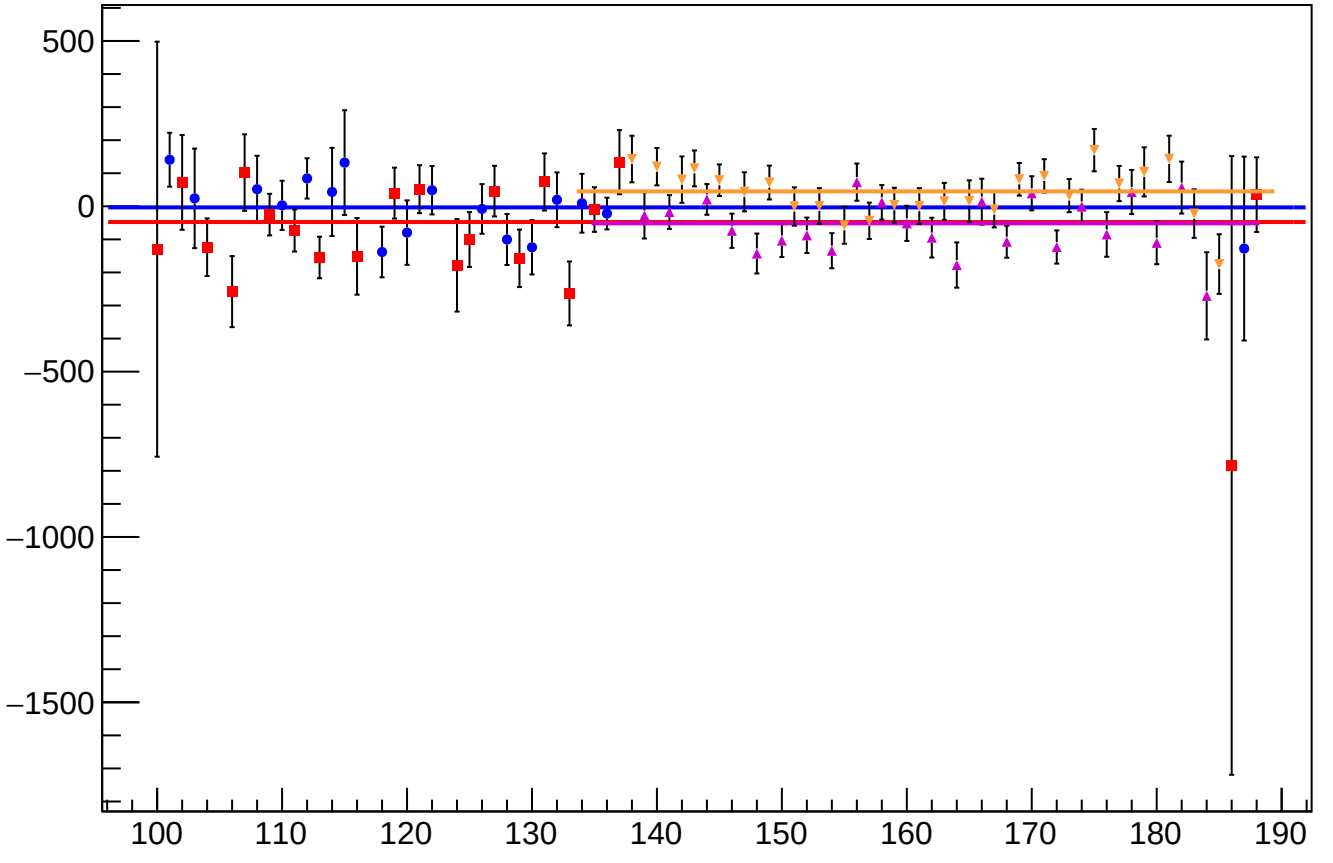
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 380.459+/-0.054 χ^2/NDF: 3333229.9/41

All: 382.435+/-0.038 χ^2/NDF: 7865379.8/85

- sign 384.474+/-0.055 χ^2/NDF: 4529417.6/43

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -3.262+/-19.943 χ^2/NDF: 14.8/16

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -47.522+/-19.328 χ^2/NDF: 30.4/20

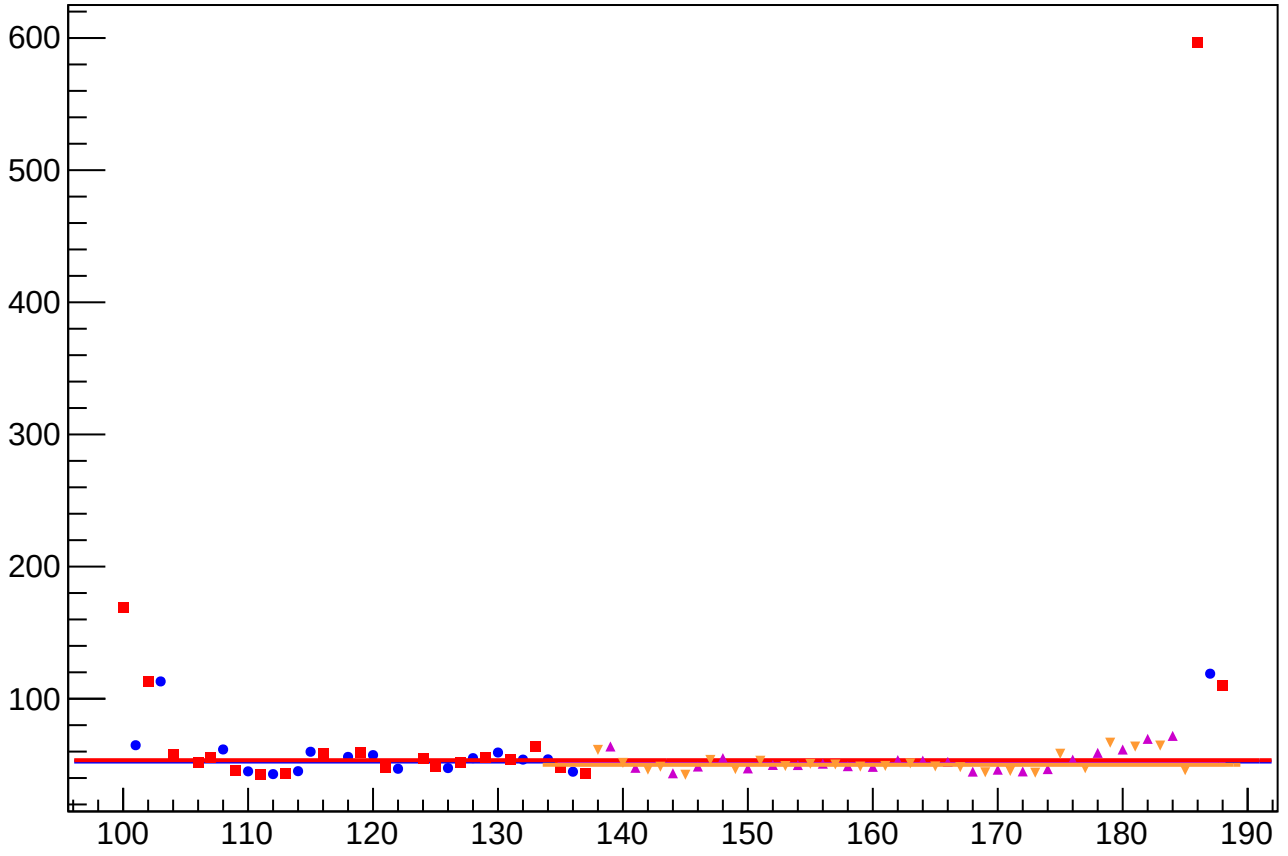
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 33.037+/-9.959 χ^2/NDF: 50.5/41

All: -7.926+/-7.109 χ^2/NDF: 151.4/85

- sign -50.487+/-10.151 χ^2/NDF: 66.3/43

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.472+/-0.014 χ^2/NDF: 677855.3/16

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

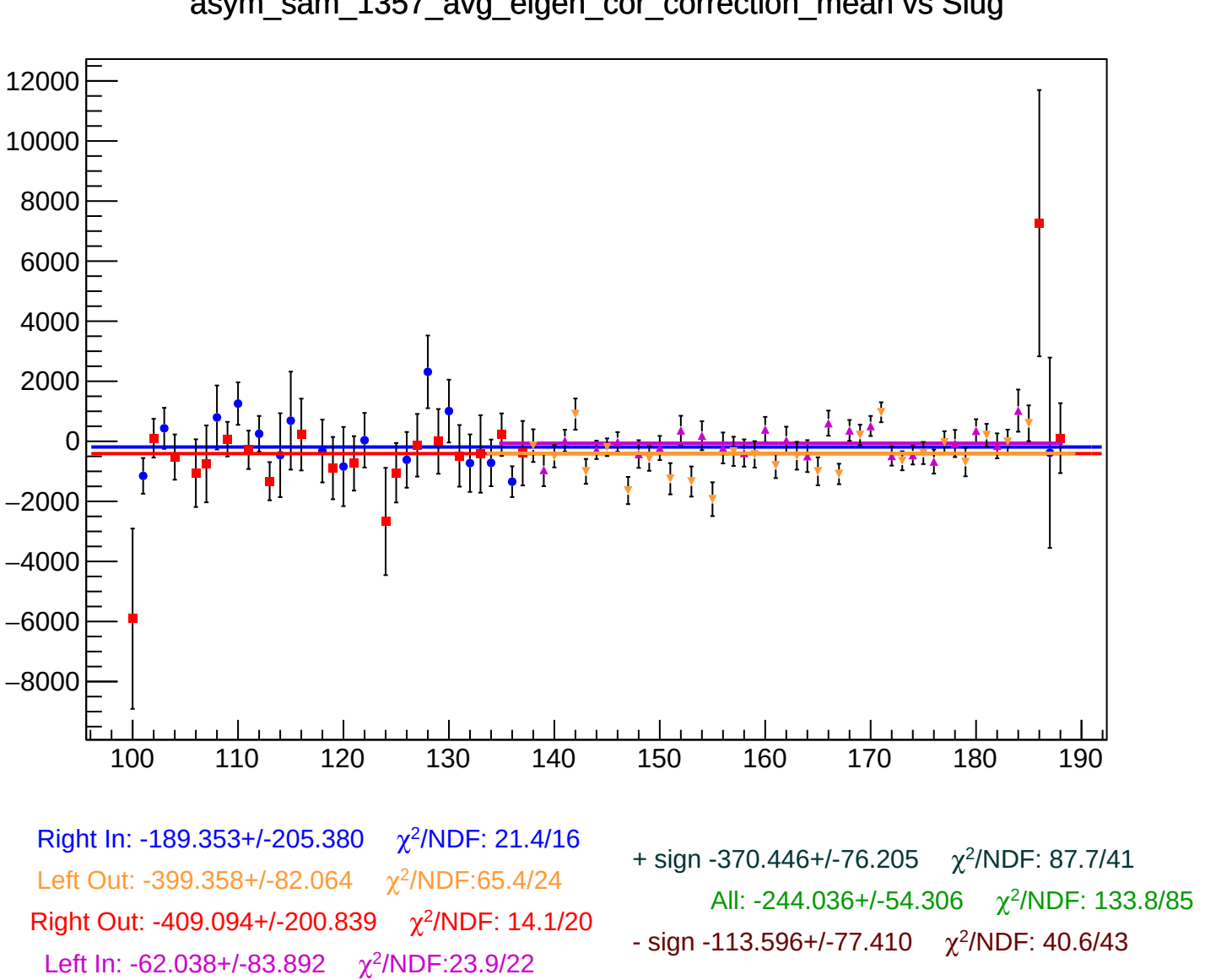
Right Out: 53.488+/-0.014 χ^2/NDF: 1836190.8/20

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.632+/-0.007 χ^2/NDF: 1209634.2/41

All: 50.976+/-0.005 χ^2/NDF: 3588415.1/85

- sign 51.333+/-0.007 χ^2/NDF: 2373926.7/43


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug
12000
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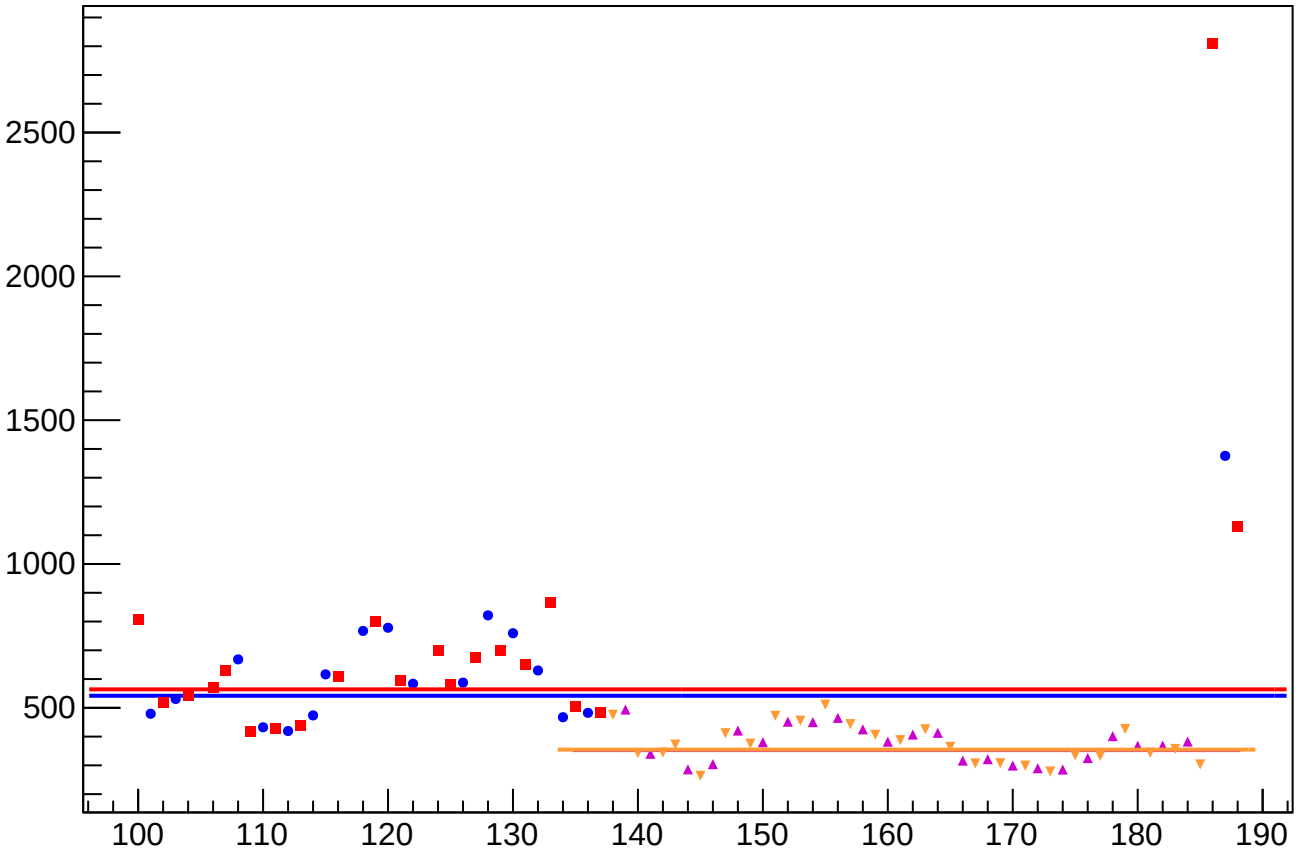
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: -189.353+/-205.380 χ²/NDF: 21.4/16
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: -409.094+/-200.839 χ²/NDF: 14.1/20
Left In: -62.038+/-83.892 χ²/NDF:23.9/22
+ sign -370.446+/-76.205 χ²/NDF: 87.7/41
All: -244.036+/-54.306 χ²/NDF: 133.8/85
- sign -113.596+/-77.410 χ²/NDF: 40.6/43



Right In: 541.990+/-0.145 χ^2/NDF: 753083.8/16

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 564.231+/-0.142 χ^2/NDF: 1643587.0/20

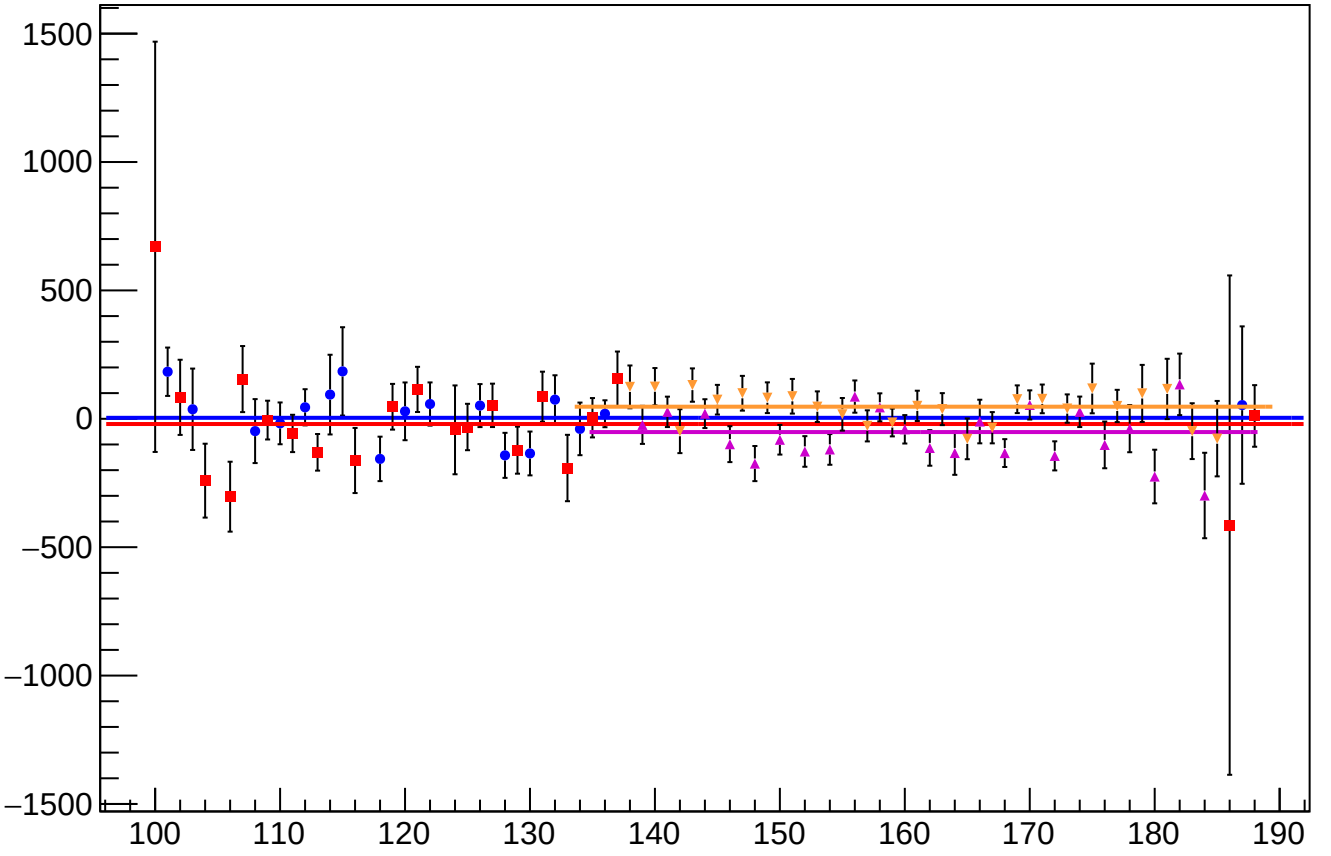
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 380.459+/-0.054 χ^2/NDF: 3333229.9/41

All: 382.435+/-0.038 χ^2/NDF: 7865379.8/85

- sign 384.474+/-0.055 χ^2/NDF: 4529417.6/43

dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.864+/-22.420 χ^2/NDF: 16.2/16

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -20.336+/-22.363 χ^2/NDF: 24.7/20

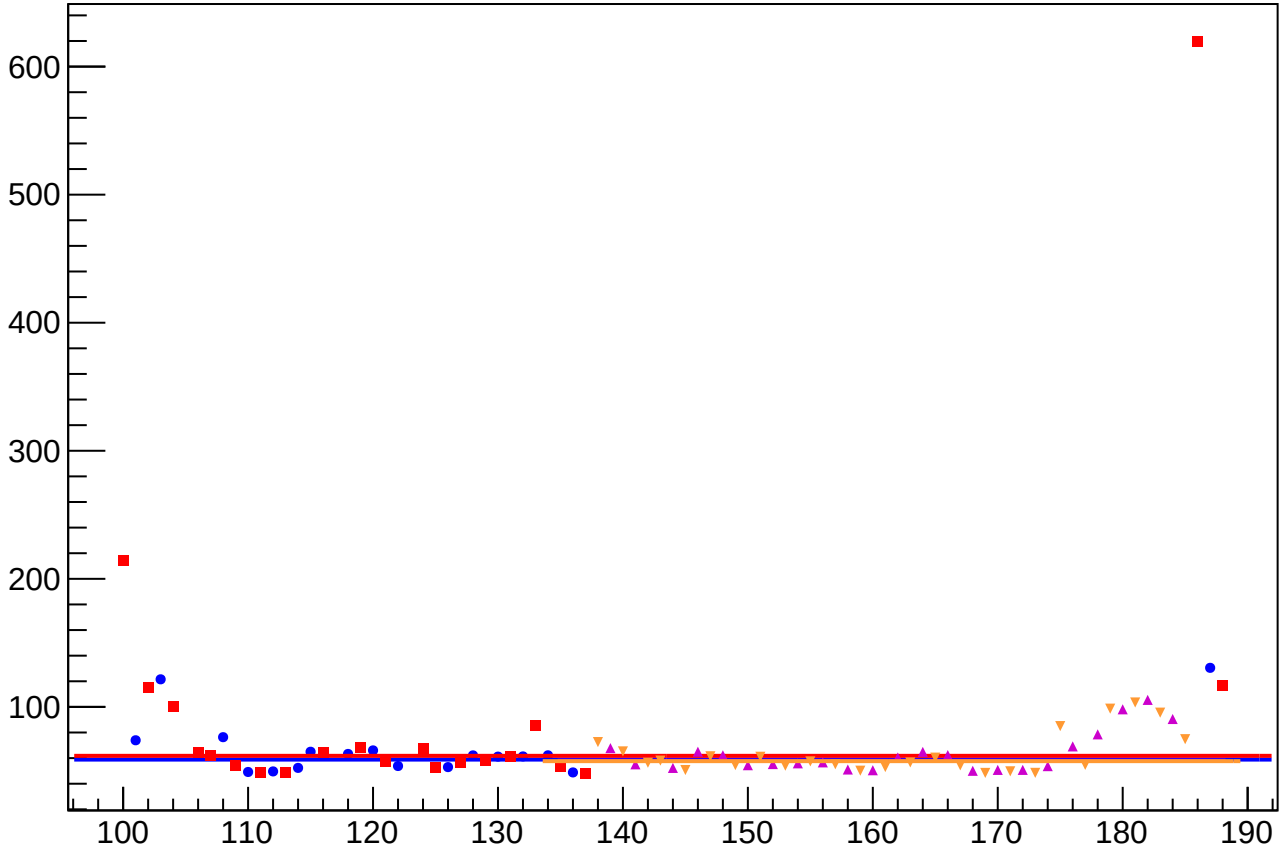
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 35.618+/-11.572 χ^2/NDF: 35.9/41

All: -2.787+/-8.271 χ^2/NDF: 122.7/85

- sign -42.894+/-11.826 χ^2/NDF: 64.3/43

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.851+/-0.016 χ^2/NDF: 692839.3/16

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 61.777+/-0.016 χ^2/NDF: 1886227.2/20

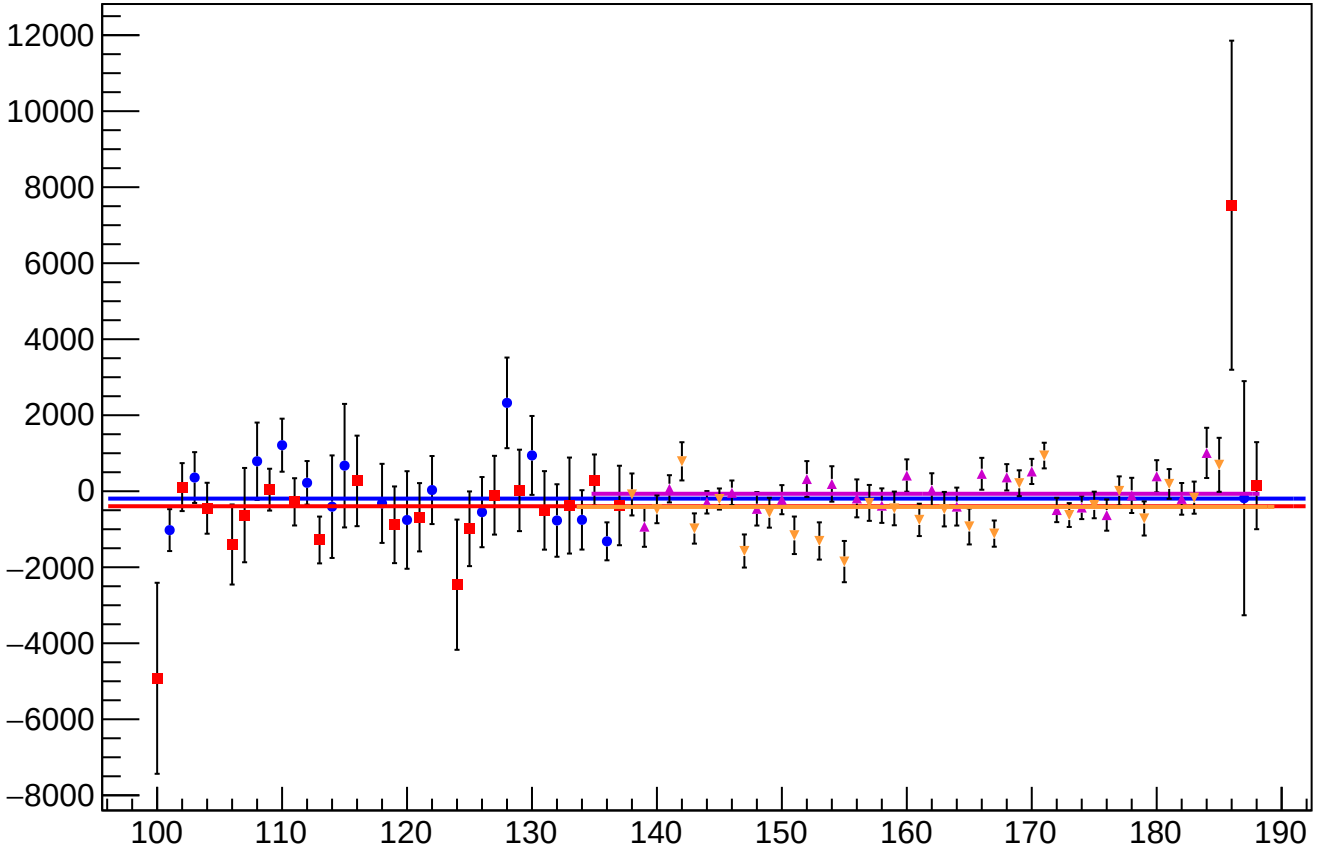
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 57.956+/-0.008 χ^2/NDF: 2062631.3/41

All: 58.473+/-0.006 χ^2/NDF: 5123960.6/85

- sign 59.013+/-0.008 χ^2/NDF: 3053164.7/43

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.854+/-200.179 χ^2/NDF: 20.8/16

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -394.575+/-193.959 χ^2/NDF: 14.9/20

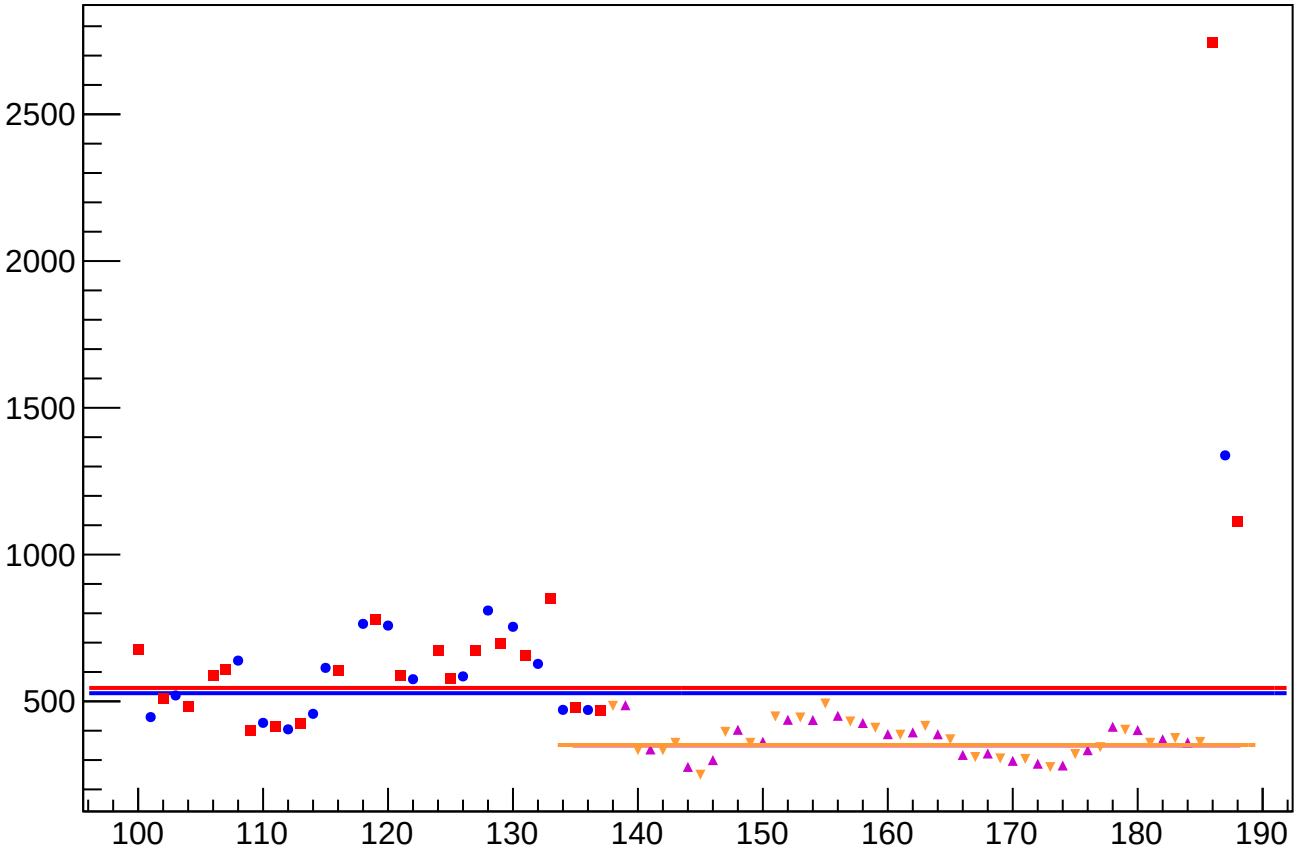
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -382.125+/-75.193 χ^2/NDF: 83.1/41

All: -251.858+/-53.581 χ^2/NDF: 129.5/85

- sign -117.479+/-76.370 χ^2/NDF: 40.2/43

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 527.763+/-0.142 χ^2/NDF: 797479.0/16

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 545.680+/-0.137 χ^2/NDF: 1718223.7/20

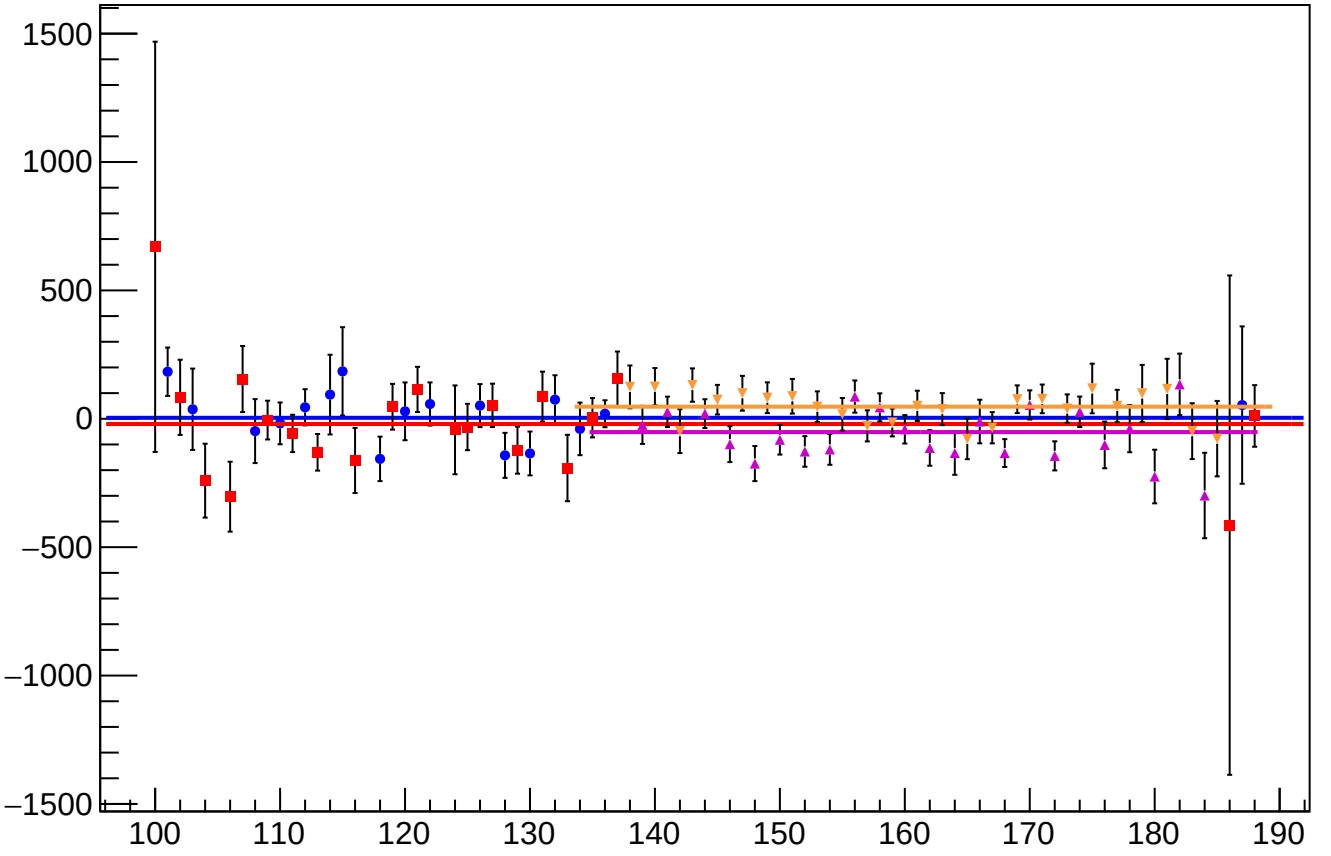
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 376.167+/-0.053 χ^2/NDF: 3251153.2/41

All: 378.142+/-0.038 χ^2/NDF: 7685884.2/85

- sign 380.179+/-0.054 χ^2/NDF: 4431928.7/43

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.864+/-22.420 χ^2/NDF: 16.2/16

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -20.334+/-22.363 χ^2/NDF: 24.7/20

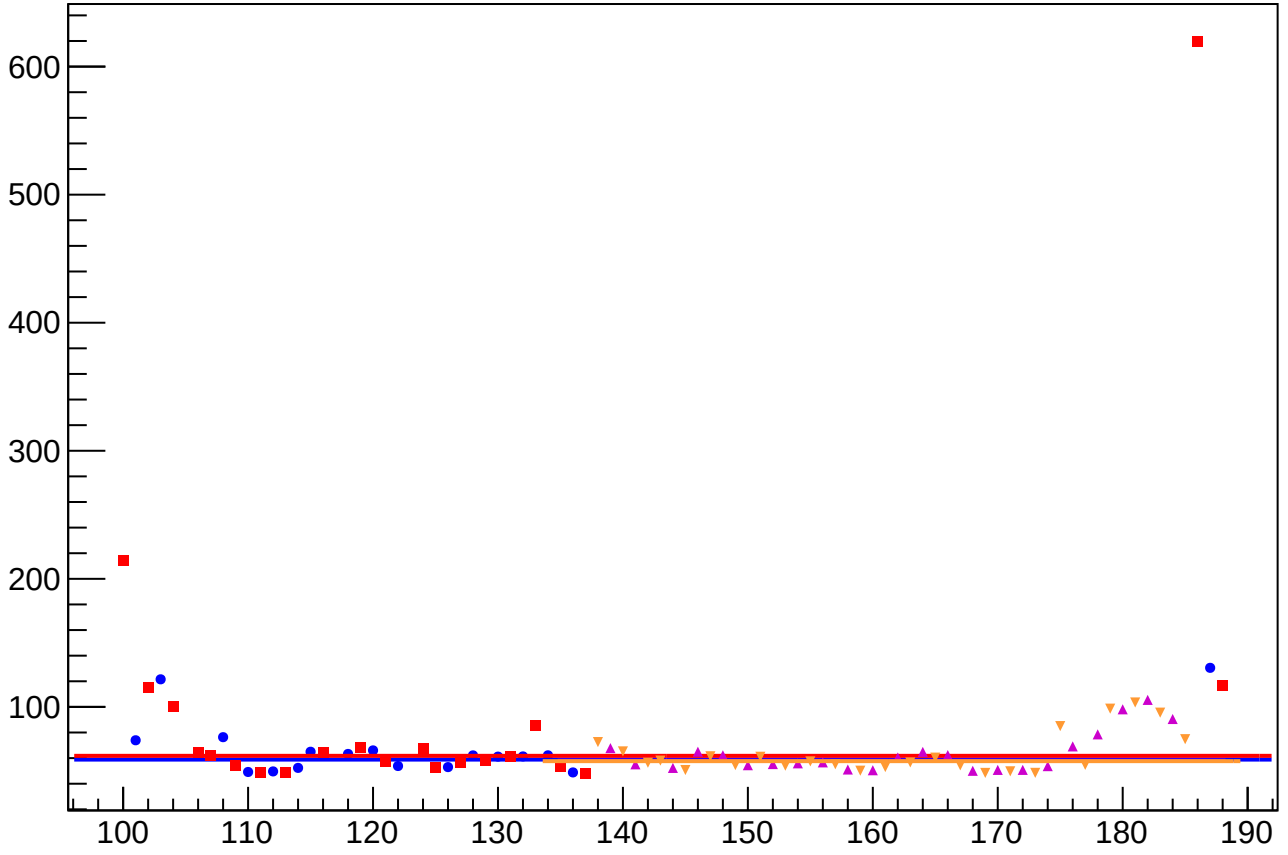
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 35.618+/-11.572 χ^2/NDF: 35.9/41

All: -2.787+/-8.271 χ^2/NDF: 122.7/85

- sign -42.894+/-11.826 χ^2/NDF: 64.3/43

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.851+/-0.016 χ^2/NDF: 692837.2/16

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 61.777+/-0.016 χ^2/NDF: 1886231.1/20

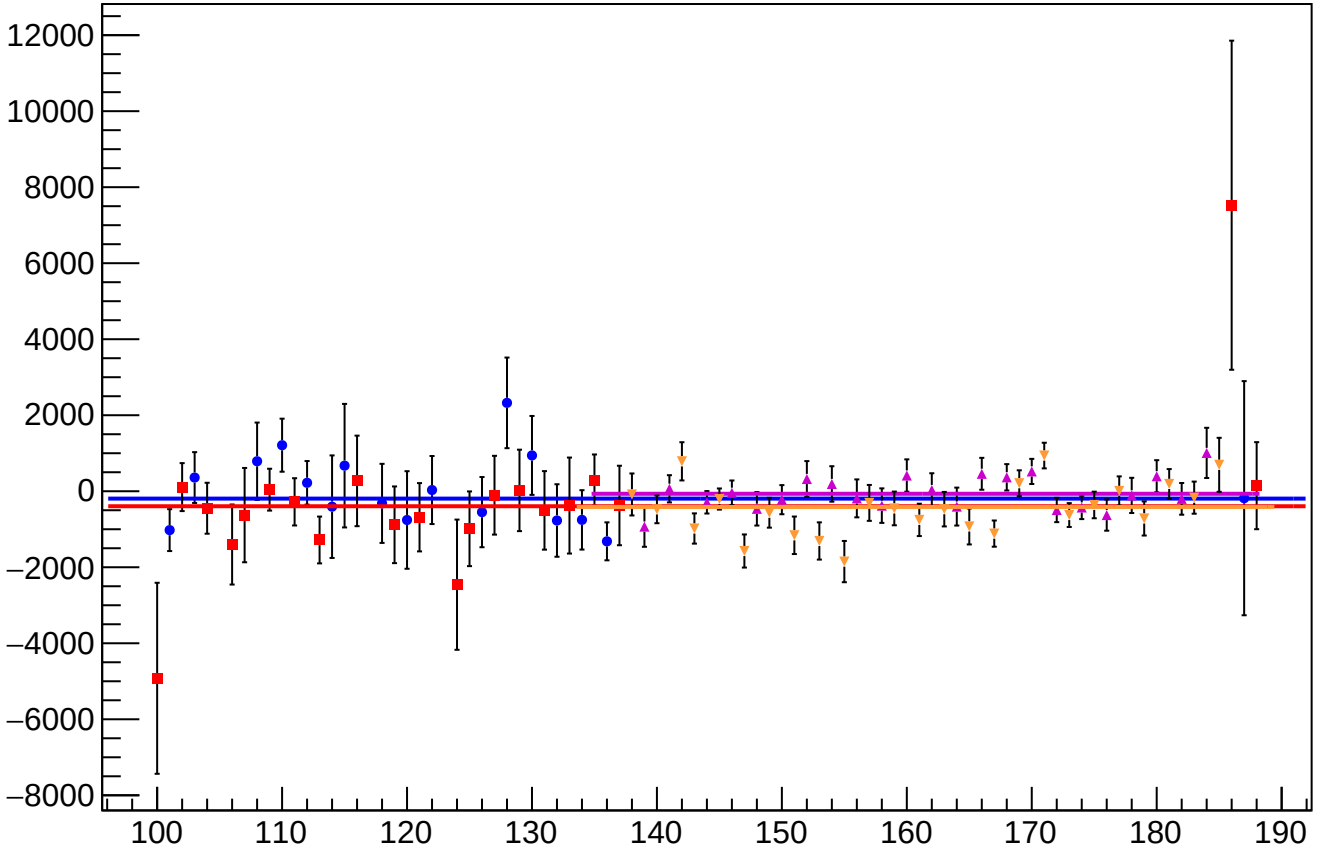
Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 57.956+/-0.008 χ^2/NDF: 2062623.8/41

All: 58.473+/-0.006 χ^2/NDF: 5123943.9/85

- sign 59.013+/-0.008 χ^2/NDF: 3053155.1/43

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug



Right In: -193.853+/-200.179 χ^2/NDF: 20.8/16

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

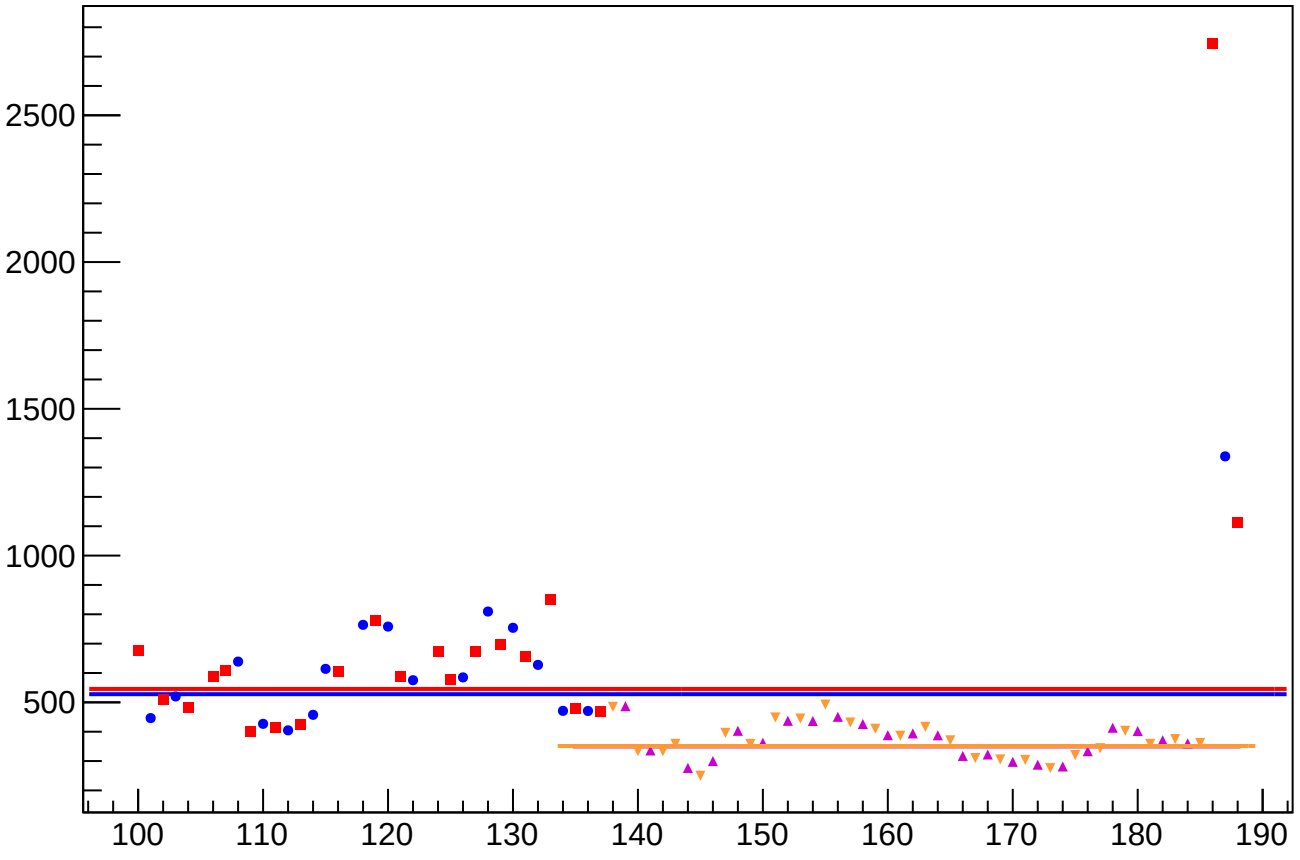
Right Out: -394.574+/-193.958 χ^2/NDF: 14.9/20

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -382.125+/-75.193 χ^2/NDF: 83.1/41

All: -251.858+/-53.581 χ^2/NDF: 129.5/85

- sign -117.479+/-76.370 χ^2/NDF: 40.2/43



Right In: 527.762+/-0.142 χ^2/NDF: 797484.3/16

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 545.679+/-0.137 χ^2/NDF: 1718224.6/20

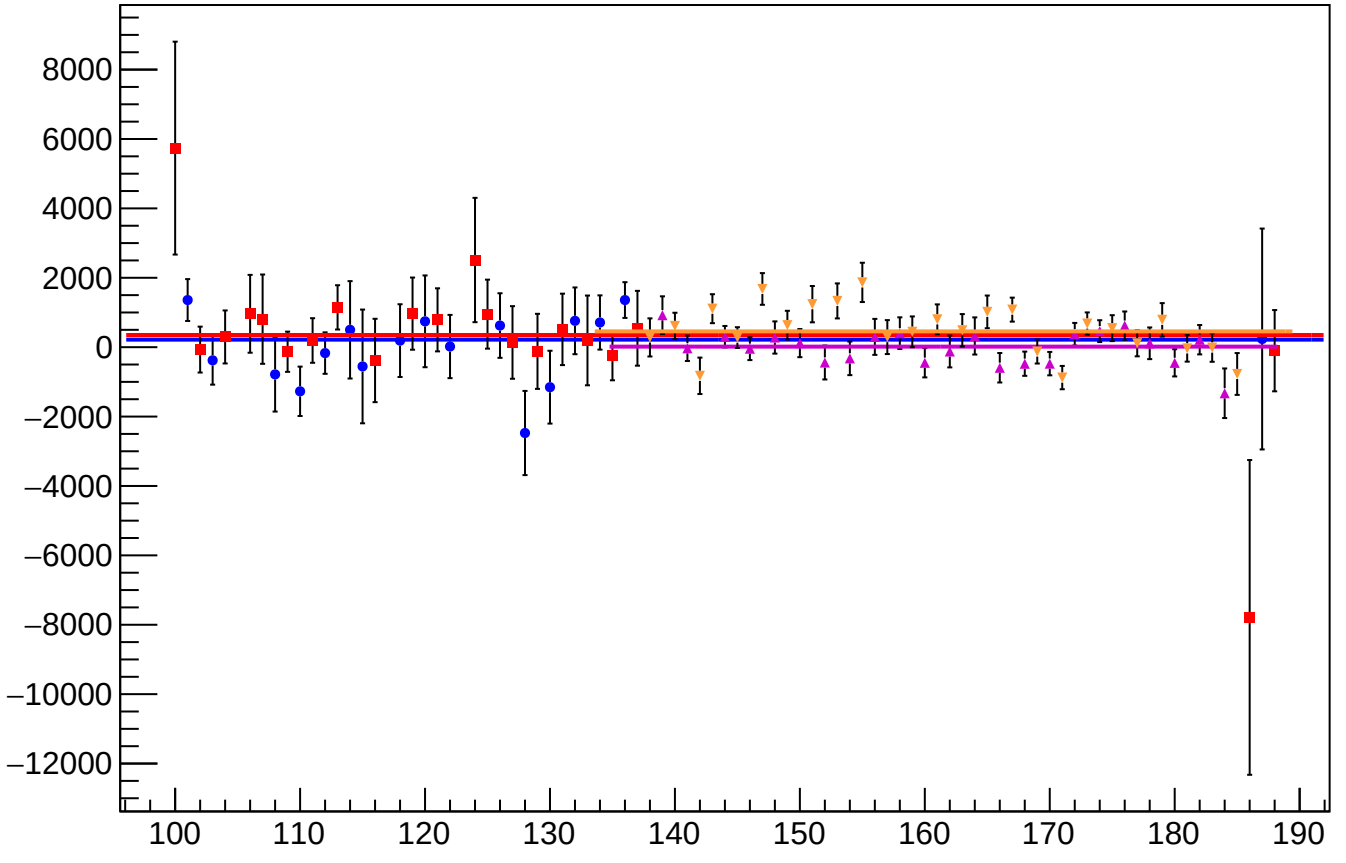
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 376.167+/-0.053 χ^2/NDF: 3251147.0/41

All: 378.142+/-0.038 χ^2/NDF: 7685862.7/85

- sign 380.179+/-0.054 χ^2/NDF: 4431913.2/43

asym_sam_1357_avg_mean vs Slug



Right In: 217.831+/-207.052 χ^2/NDF: 22.9/16

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 351.168+/-202.286 χ^2/NDF: 13.4/20

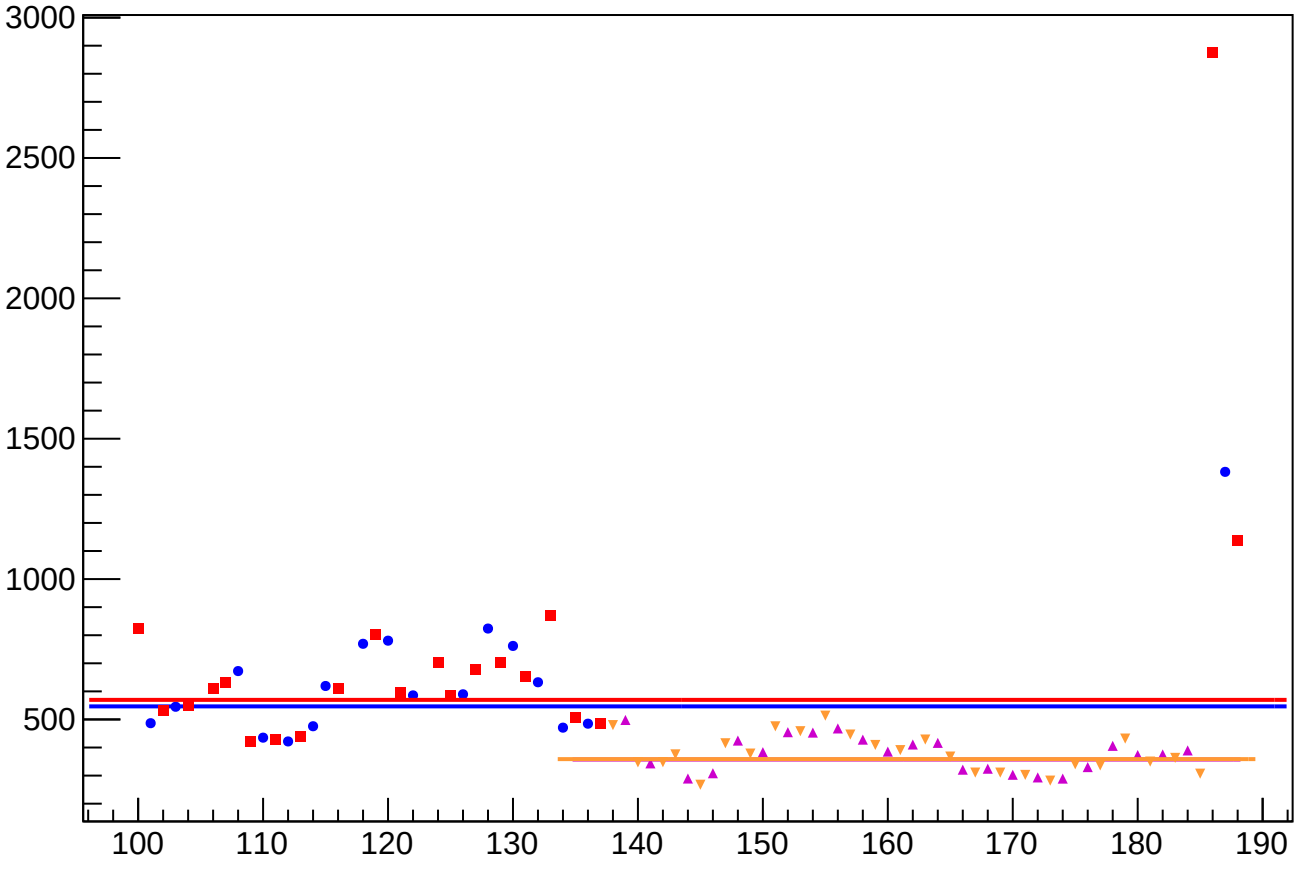
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 422.394+/-77.009 χ^2/NDF: 84.9/41

All: 247.093+/-54.880 χ^2/NDF: 136.0/85

- sign 66.190+/-78.230 χ^2/NDF: 40.6/43

asym_sam_1357_avg_rms vs Slug



Right In: 546.547+/-0.146 χ^2/NDF: 743595.0/16

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

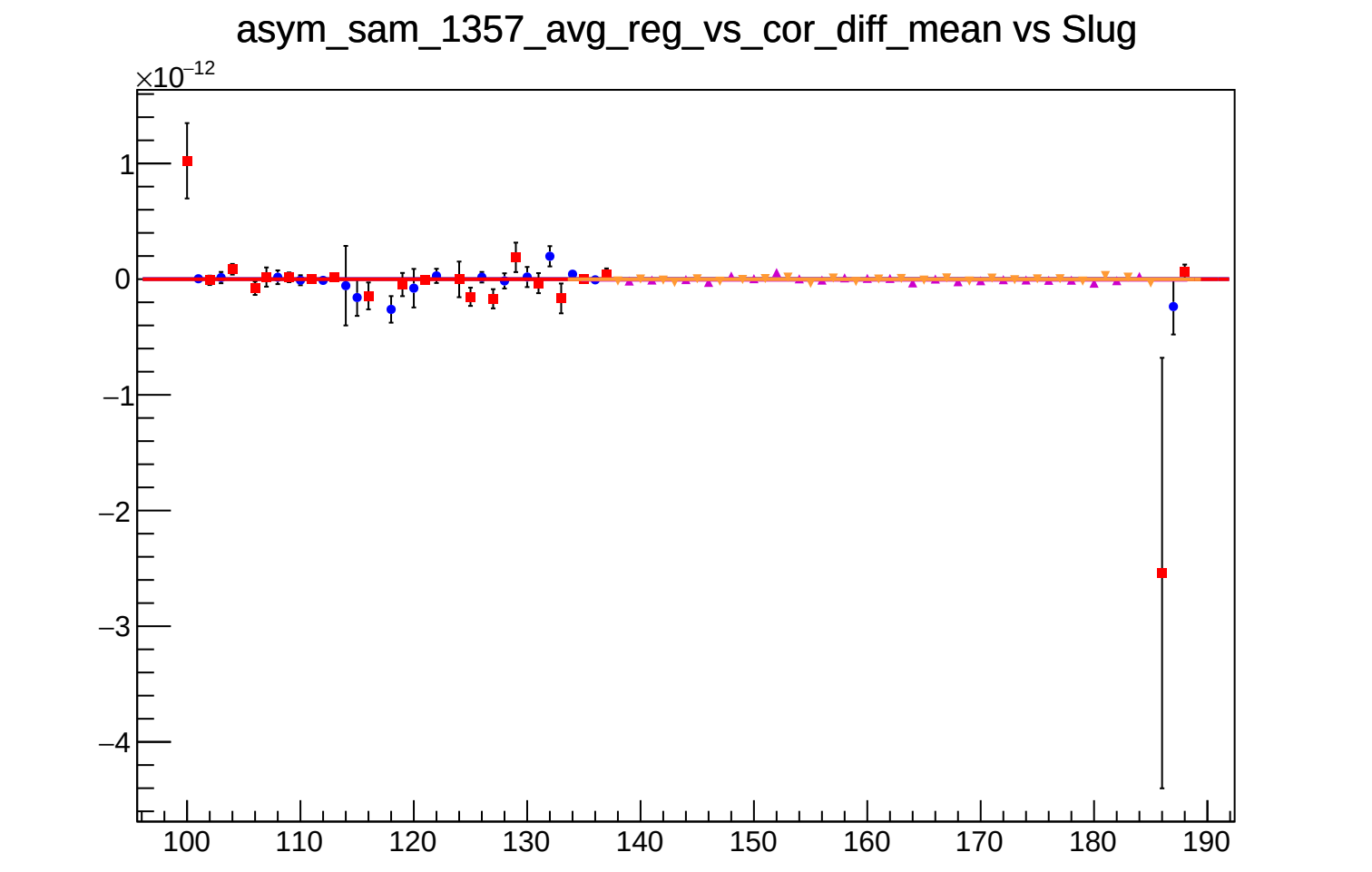
Right Out: 569.740+/-0.143 χ^2/NDF: 1642733.9/20

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 384.665+/-0.054 χ^2/NDF: 3281946.0/41

All: 386.785+/-0.039 χ^2/NDF: 7787406.9/85

- sign 388.972+/-0.055 χ^2/NDF: 4502381.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

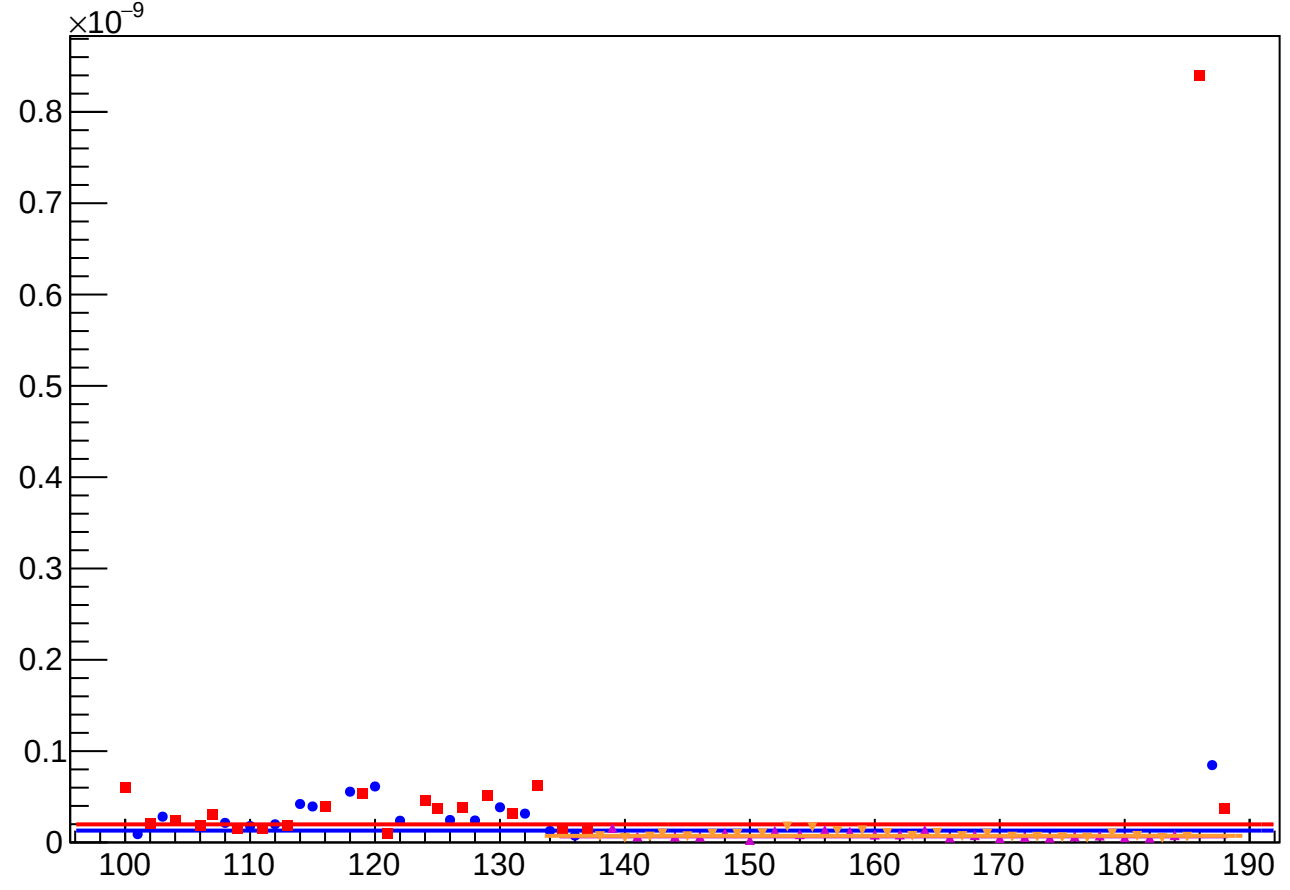
Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/20

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/41

All: -0.000+/-0.000 χ^2/NDF: 95.7/85

- sign -0.000+/-0.000 χ^2/NDF: 61.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 1933406.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1892266.8/20

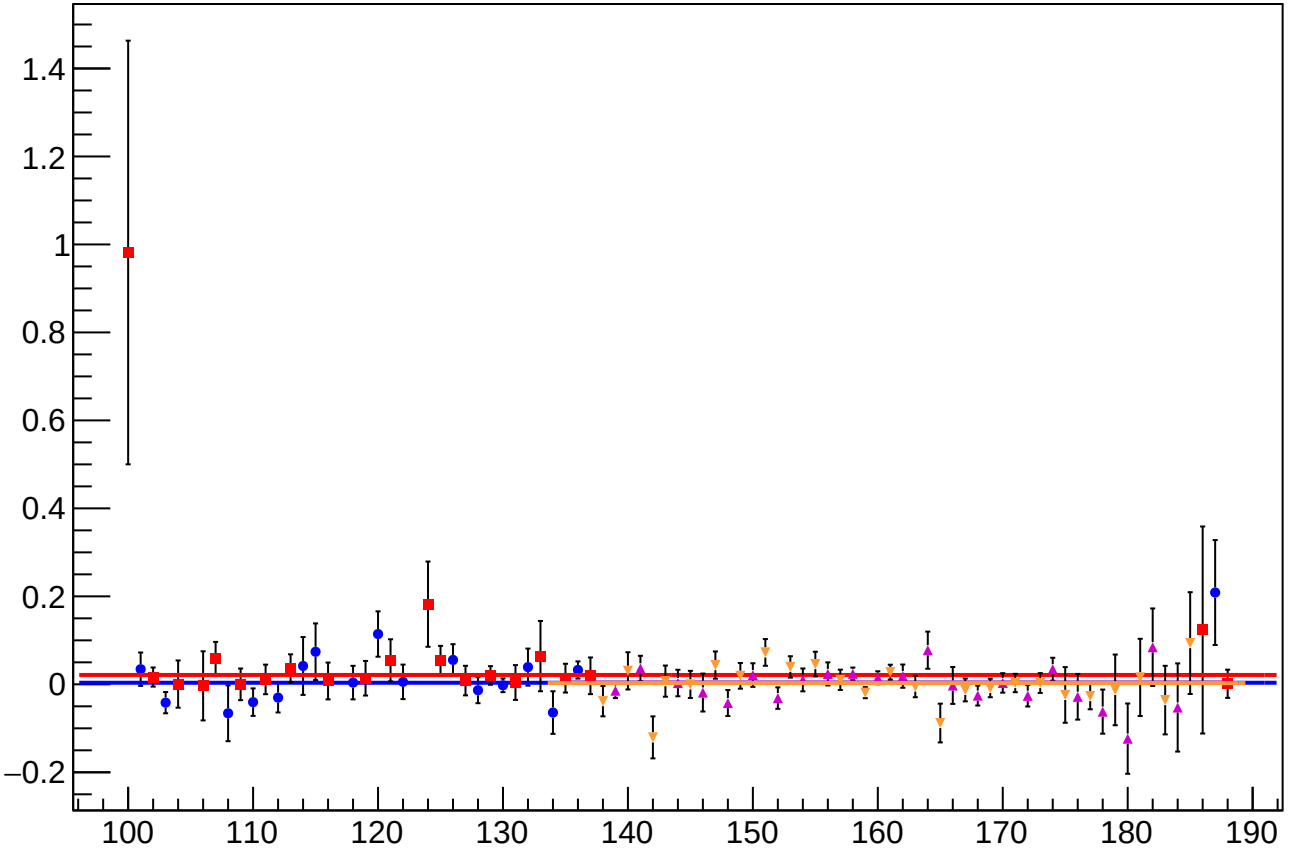
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4098684.0/41

All: 0.000+/-0.000 χ^2/NDF: 10060543.1/85

- sign 0.000+/-0.000 χ^2/NDF: 5938677.9/43

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.021+/-0.008 χ^2/NDF: 11.4/20

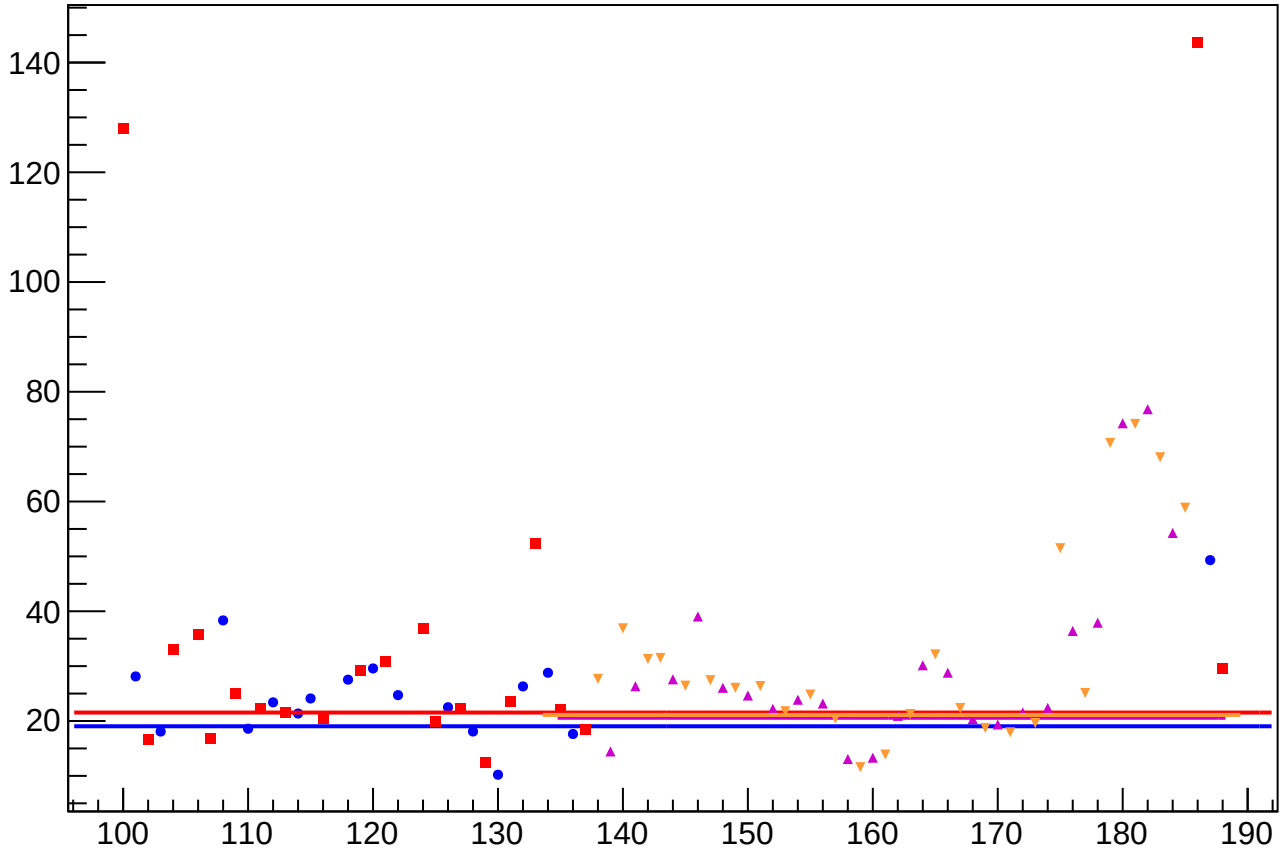
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 57.7/41

All: 0.006+/-0.003 χ^2/NDF: 97.8/85

- sign 0.009+/-0.005 χ^2/NDF: 39.1/43

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 19.041+/-0.006 χ^2/NDF: 1519763.9/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

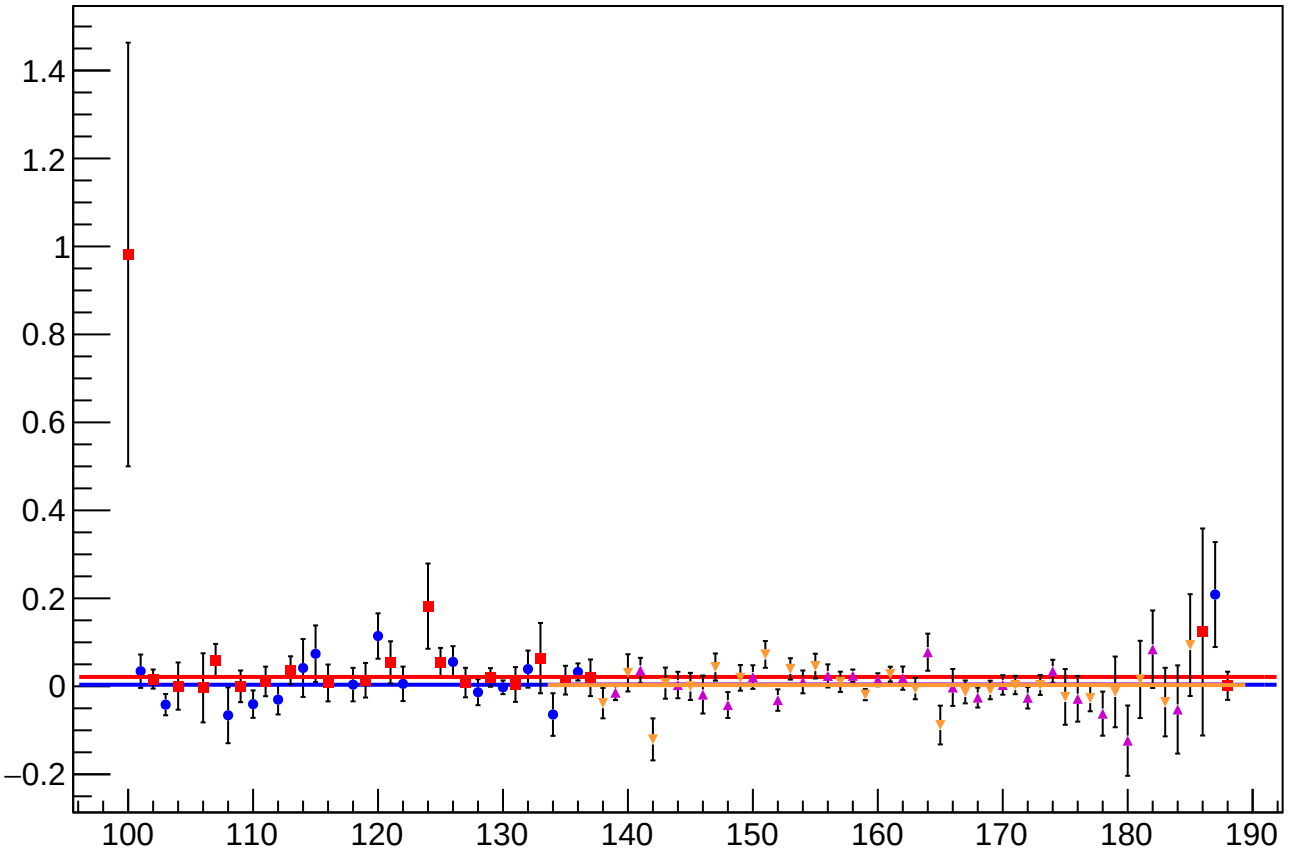
Right Out: 21.543+/-0.006 χ^2/NDF: 1970551.7/20

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.428+/-0.003 χ^2/NDF: 7160898.2/41

All: 20.653+/-0.002 χ^2/NDF: 13760047.0/85

- sign 20.884+/-0.003 χ^2/NDF: 6588889.1/43



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

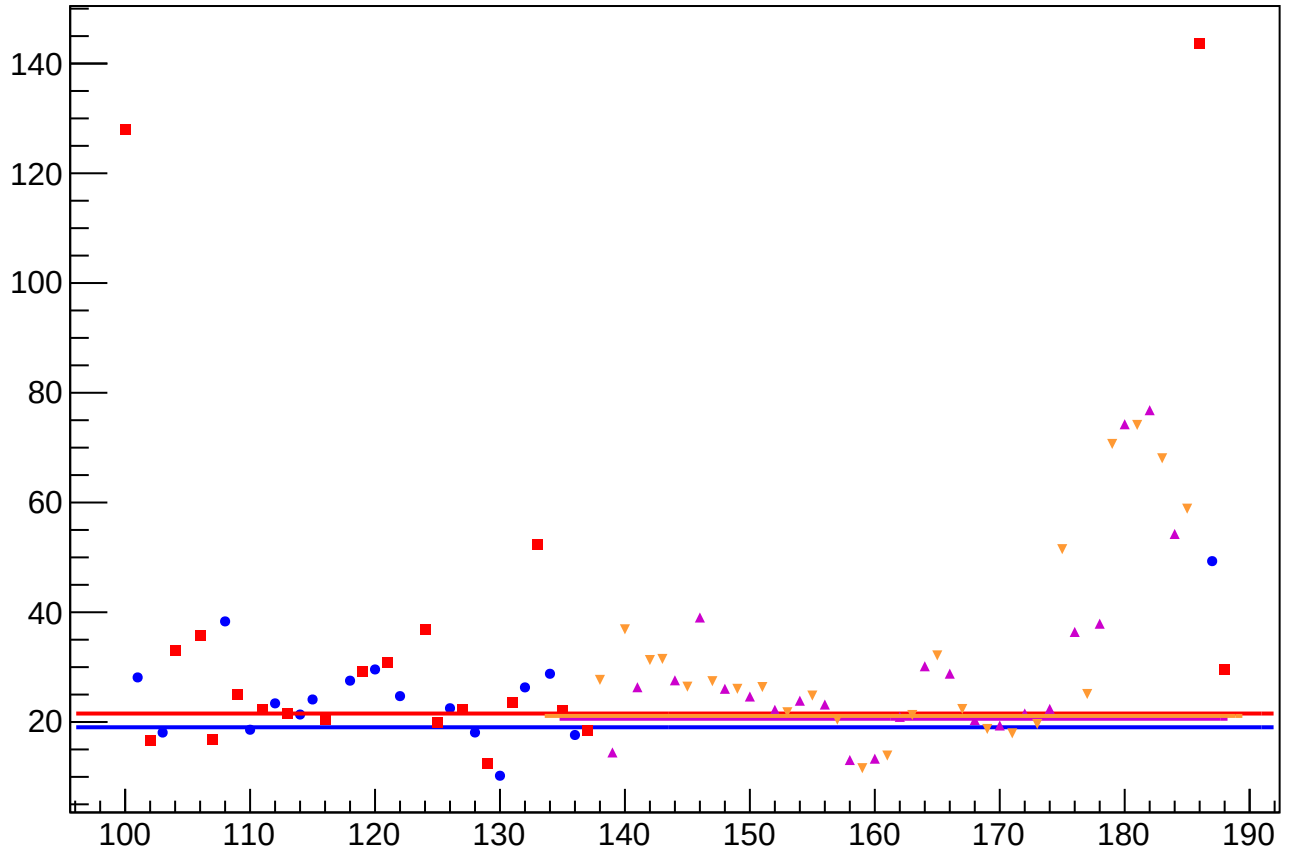
Right Out: 0.021+/-0.008 χ^2/NDF: 11.4/20

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 57.7/41

All: 0.006+/-0.003 χ^2/NDF: 97.8/85

- sign 0.009+/-0.005 χ^2/NDF: 39.1/43



Right In: 19.041+/-0.006 χ^2/NDF: 1519763.9/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

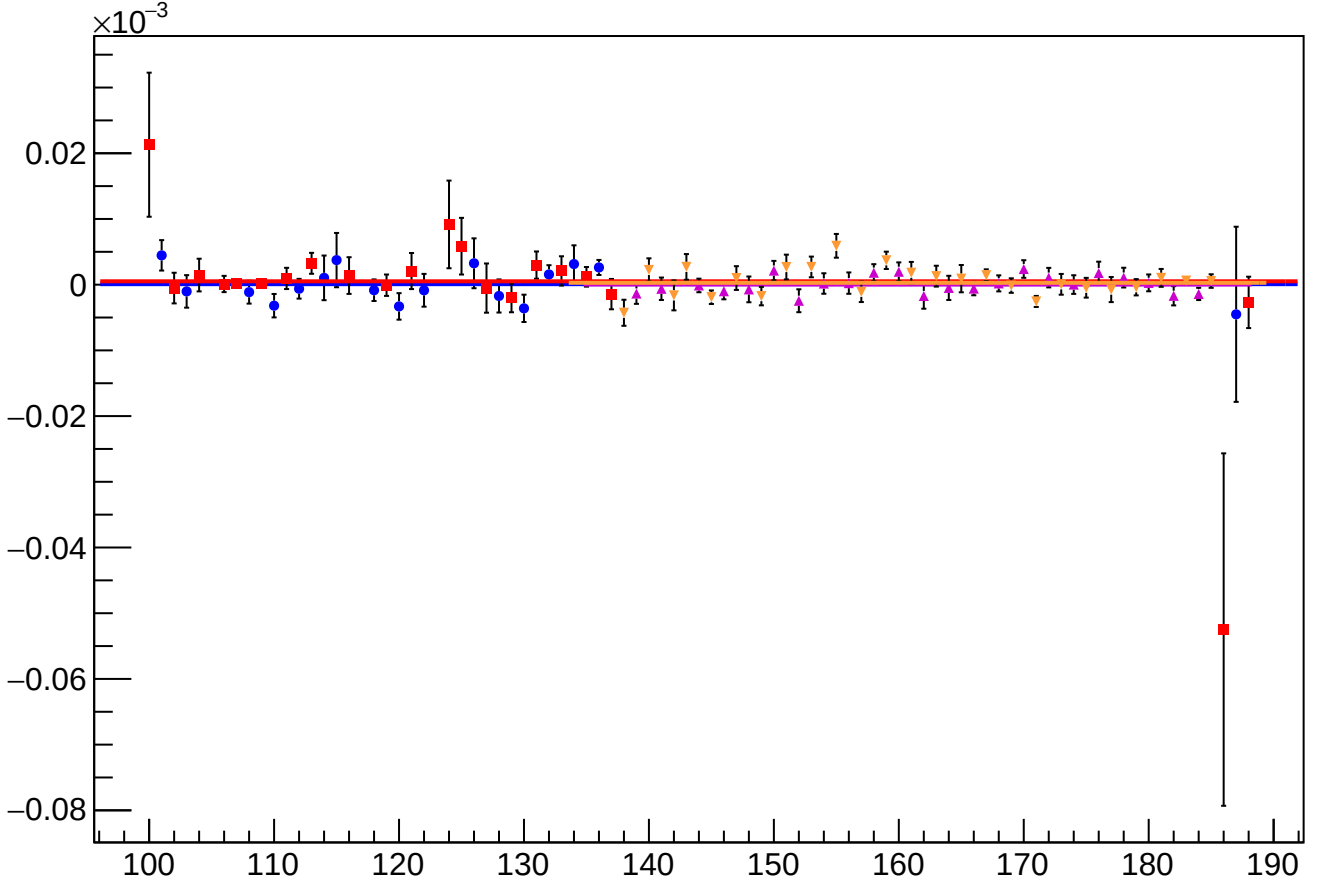
Right Out: 21.543+/-0.006 χ^2/NDF: 1970551.7/20

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.428+/-0.003 χ^2/NDF: 7160898.2/41

All: 20.653+/-0.002 χ^2/NDF: 13760047.0/85

- sign 20.884+/-0.003 χ^2/NDF: 6588889.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

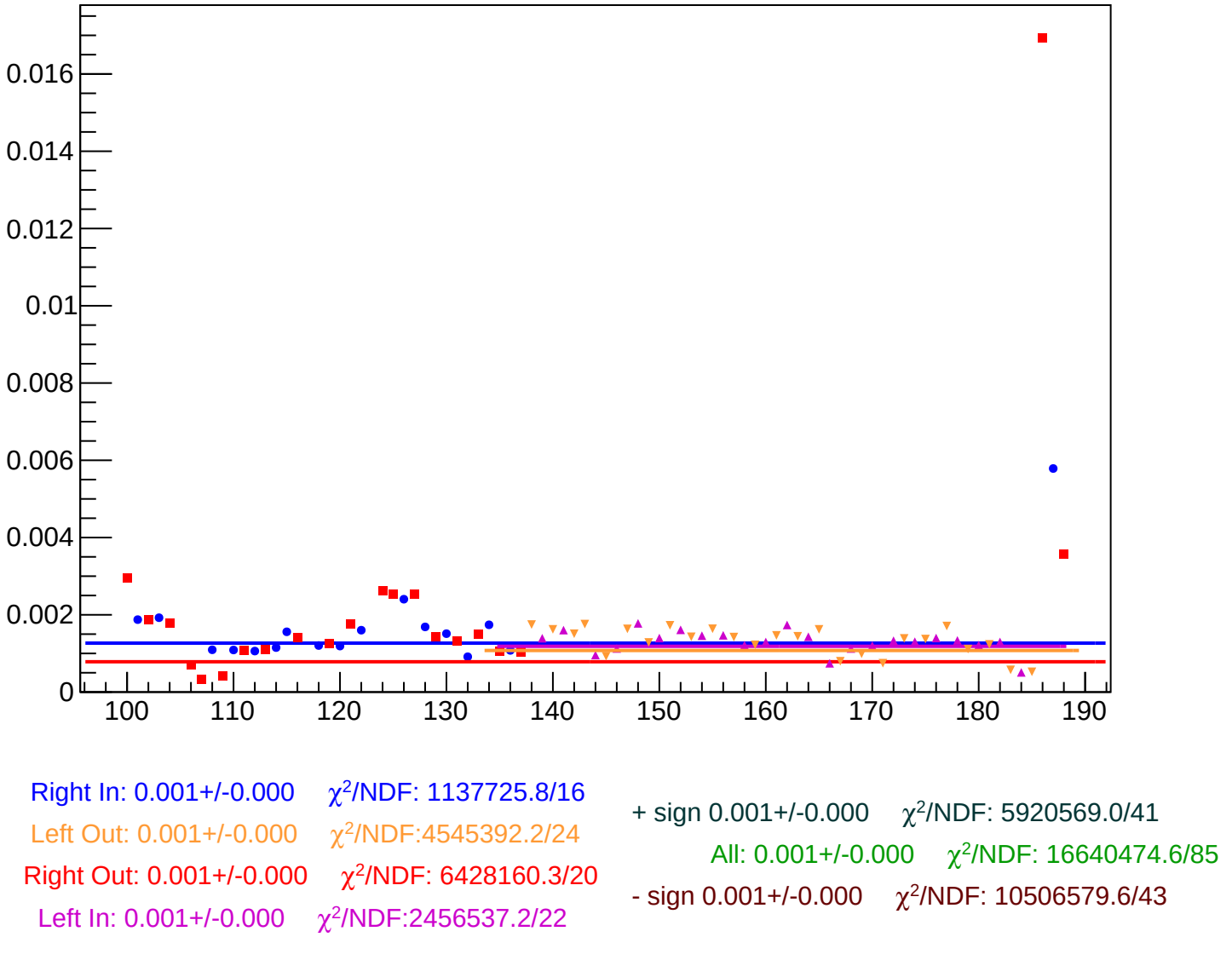
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/20

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

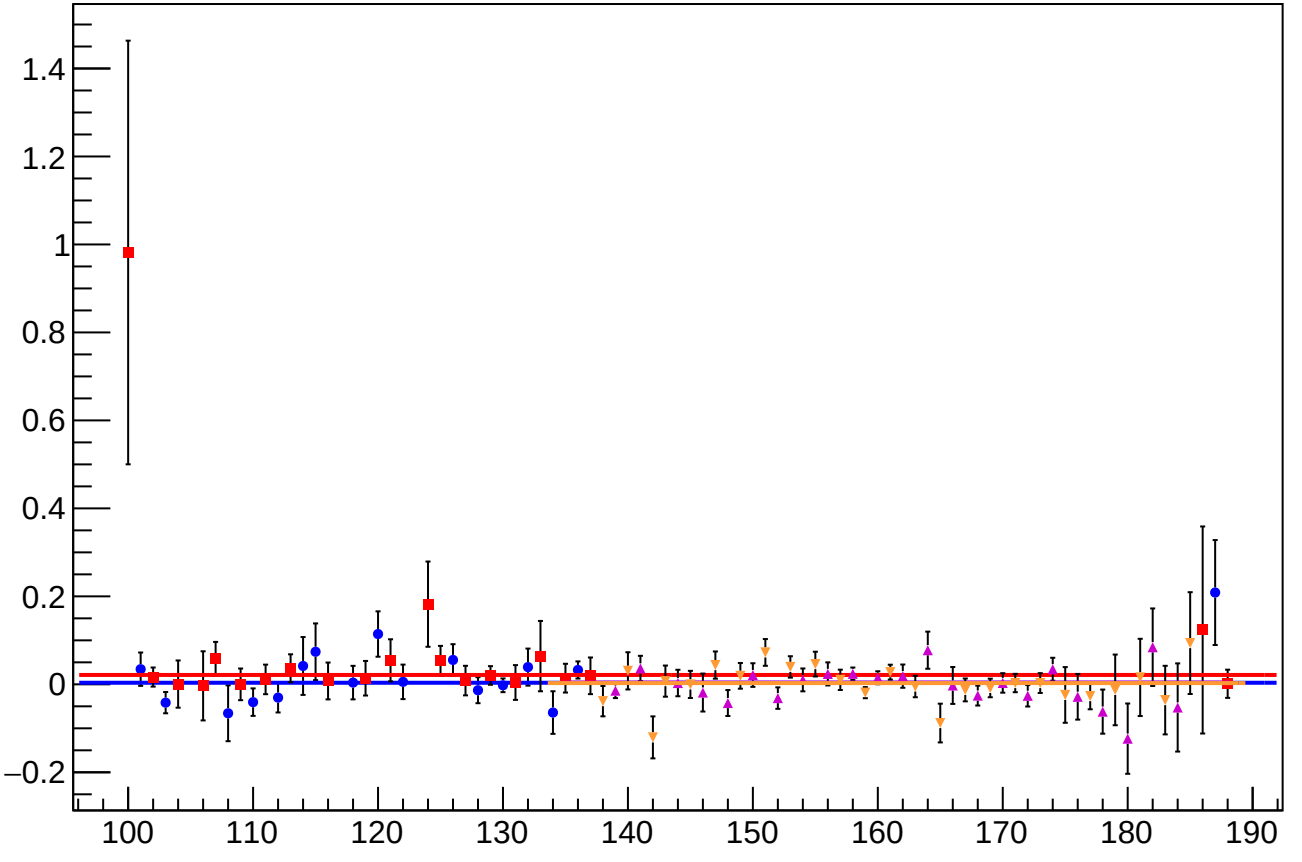
+ sign 0.000+/-0.000 χ^2/NDF: 76.4/41

All: 0.000+/-0.000 χ^2/NDF: 117.6/85

- sign 0.000+/-0.000 χ^2/NDF: 41.2/43


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 1137725.8/16
Left Out: 0.001+/-0.000 χ²/NDF:4545392.2/24
Right Out: 0.001+/-0.000 χ²/NDF: 6428160.3/20
Left In: 0.001+/-0.000 χ²/NDF:2456537.2/22
+ sign 0.001+/-0.000 χ²/NDF: 5920569.0/41
All: 0.001+/-0.000 χ²/NDF: 16640474.6/85
- sign 0.001+/-0.000 χ²/NDF: 10506579.6/43

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

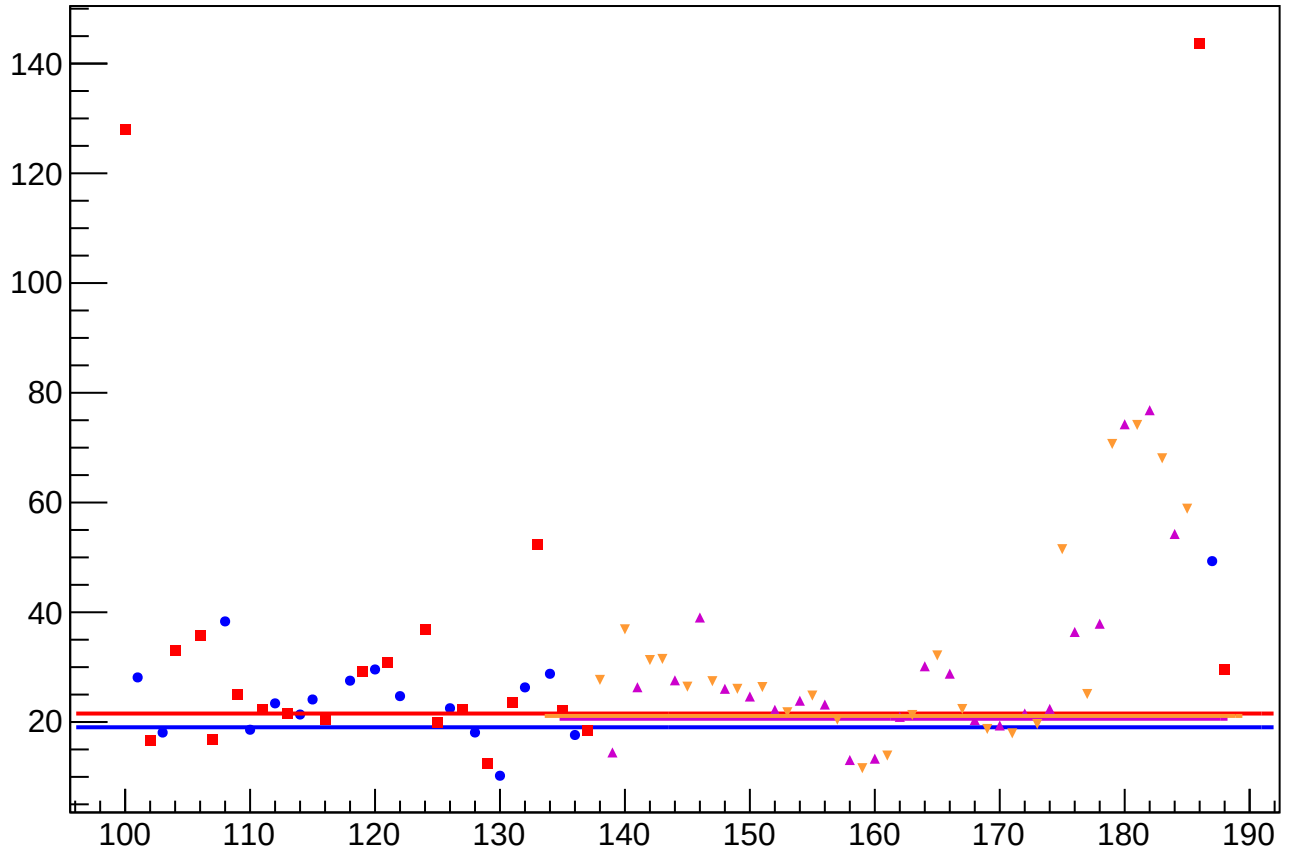
Right Out: 0.021+/-0.008 χ^2/NDF: 11.4/20

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 57.7/41

All: 0.006+/-0.003 χ^2/NDF: 97.8/85

- sign 0.009+/-0.005 χ^2/NDF: 39.1/43



Right In: 19.041+/-0.006 χ^2/NDF: 1519655.8/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

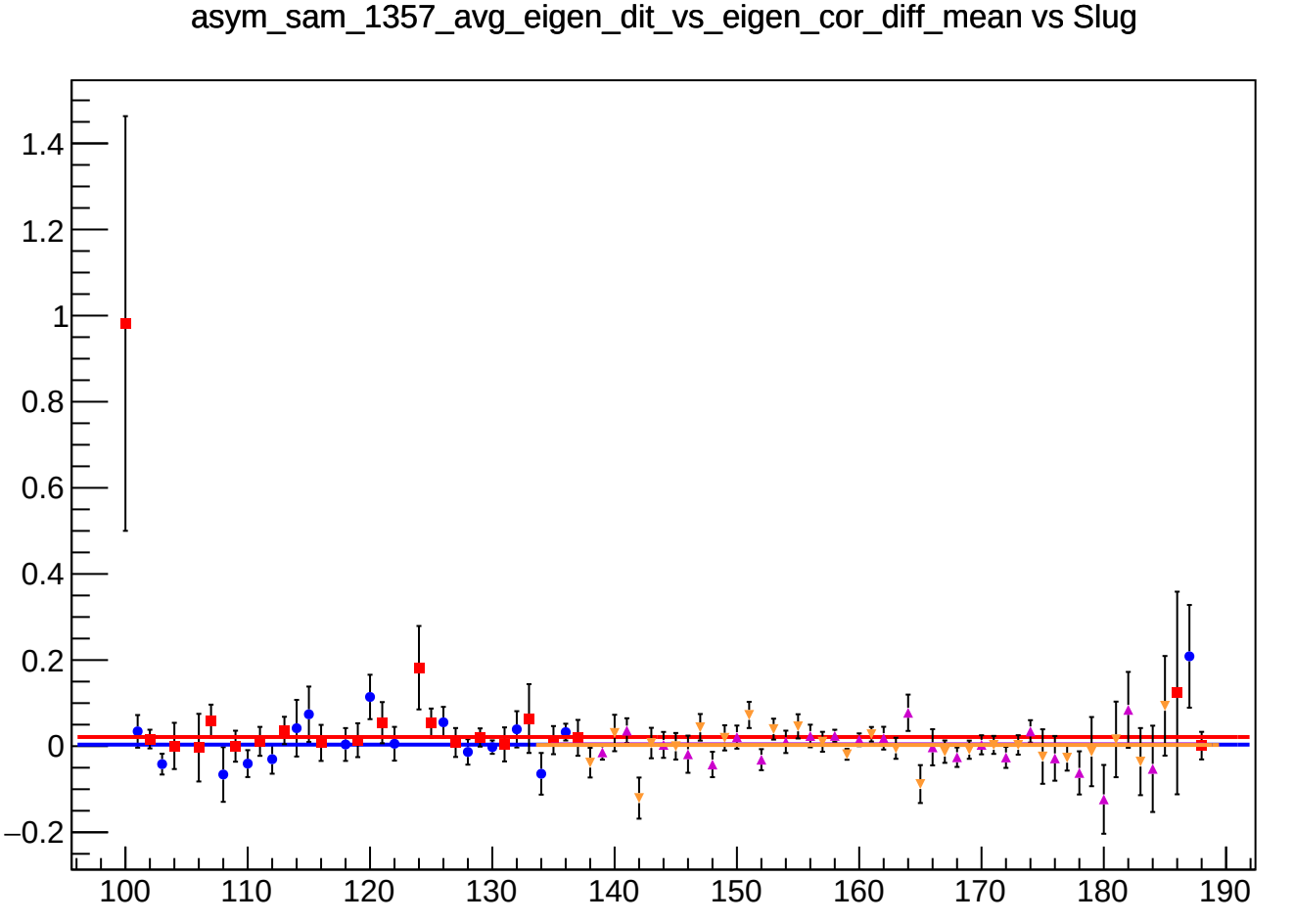
Right Out: 21.544+/-0.006 χ^2/NDF: 1970549.2/20

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.429+/-0.003 χ^2/NDF: 7160889.8/41

All: 20.653+/-0.002 χ^2/NDF: 13760039.0/85

- sign 20.884+/-0.003 χ^2/NDF: 6588888.2/43



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

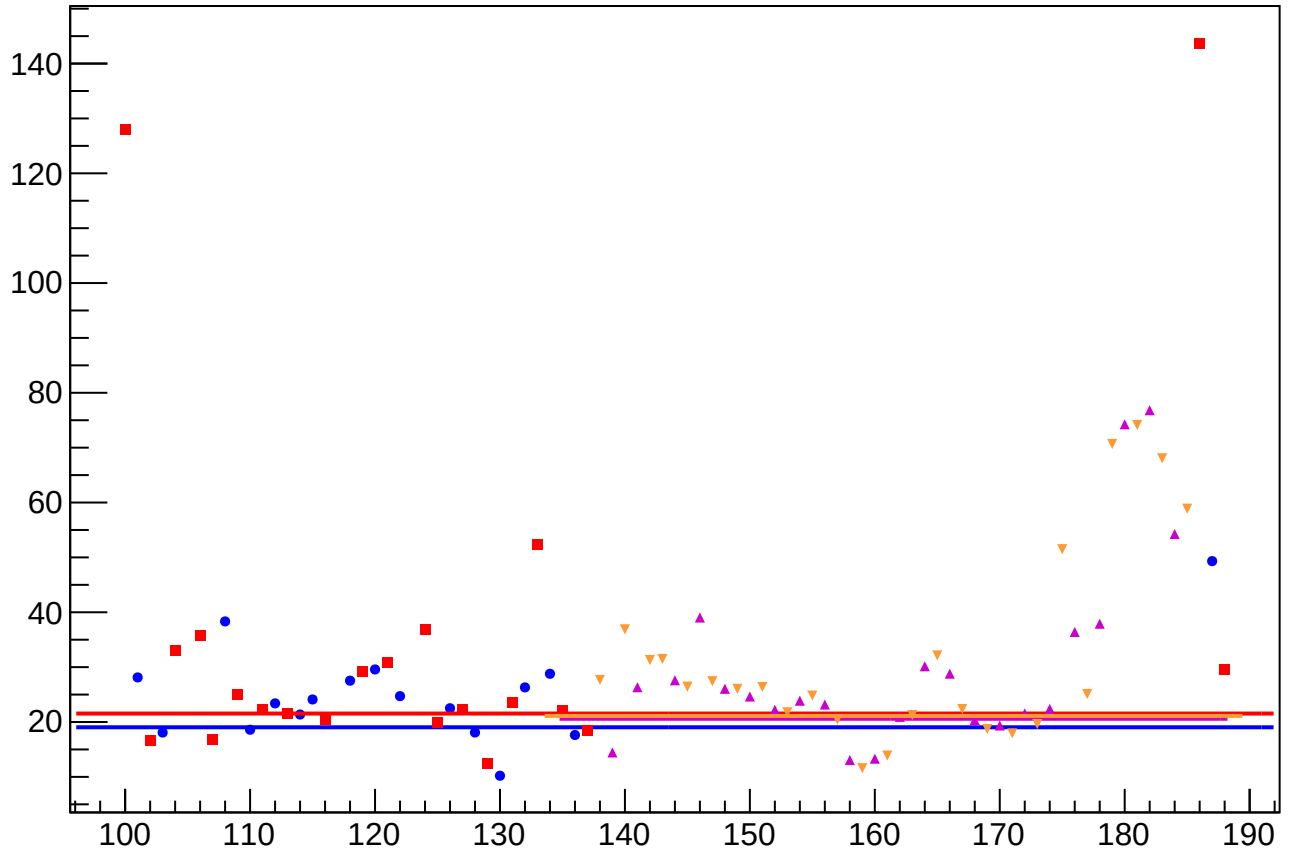
Right Out: 0.021+/-0.008 χ^2/NDF: 11.4/20

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 57.7/41

All: 0.006+/-0.003 χ^2/NDF: 97.8/85

- sign 0.009+/-0.005 χ^2/NDF: 39.1/43



Right In: 19.041+/-0.006 χ^2/NDF: 1519655.8/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

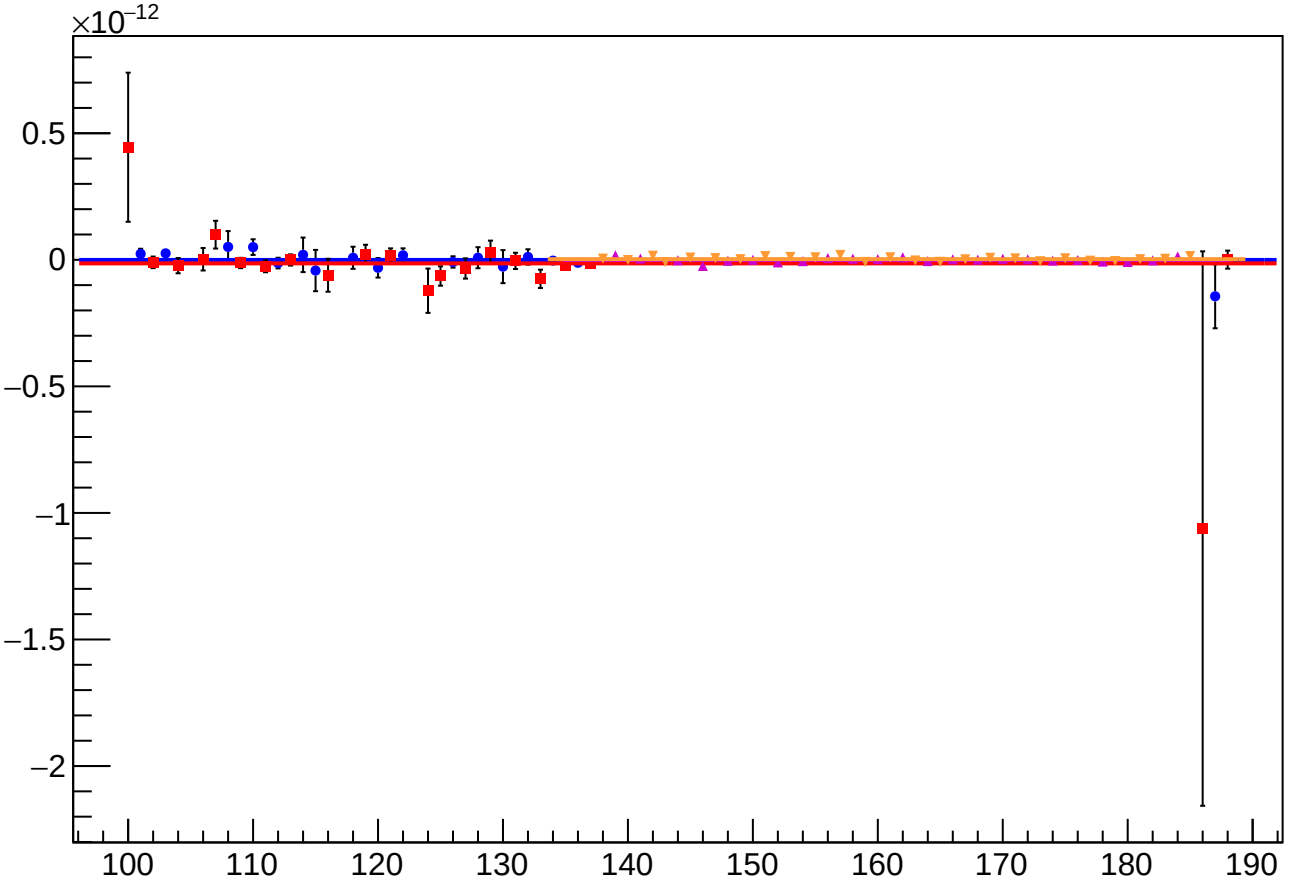
Right Out: 21.544+/-0.006 χ^2/NDF: 1970549.2/20

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.429+/-0.003 χ^2/NDF: 7160889.8/41

All: 20.653+/-0.002 χ^2/NDF: 13760039.0/85

- sign 20.884+/-0.003 χ^2/NDF: 6588888.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

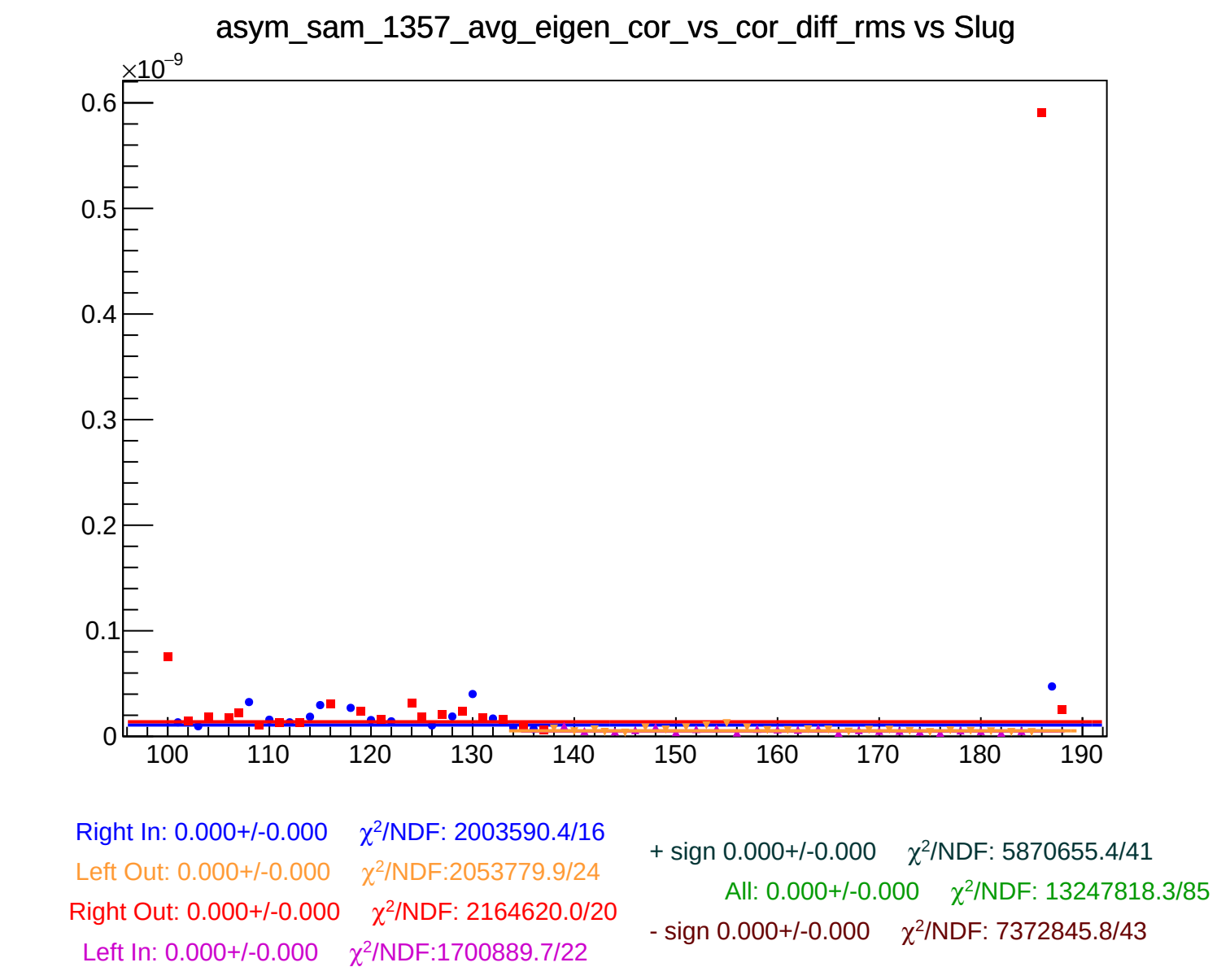
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/20

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

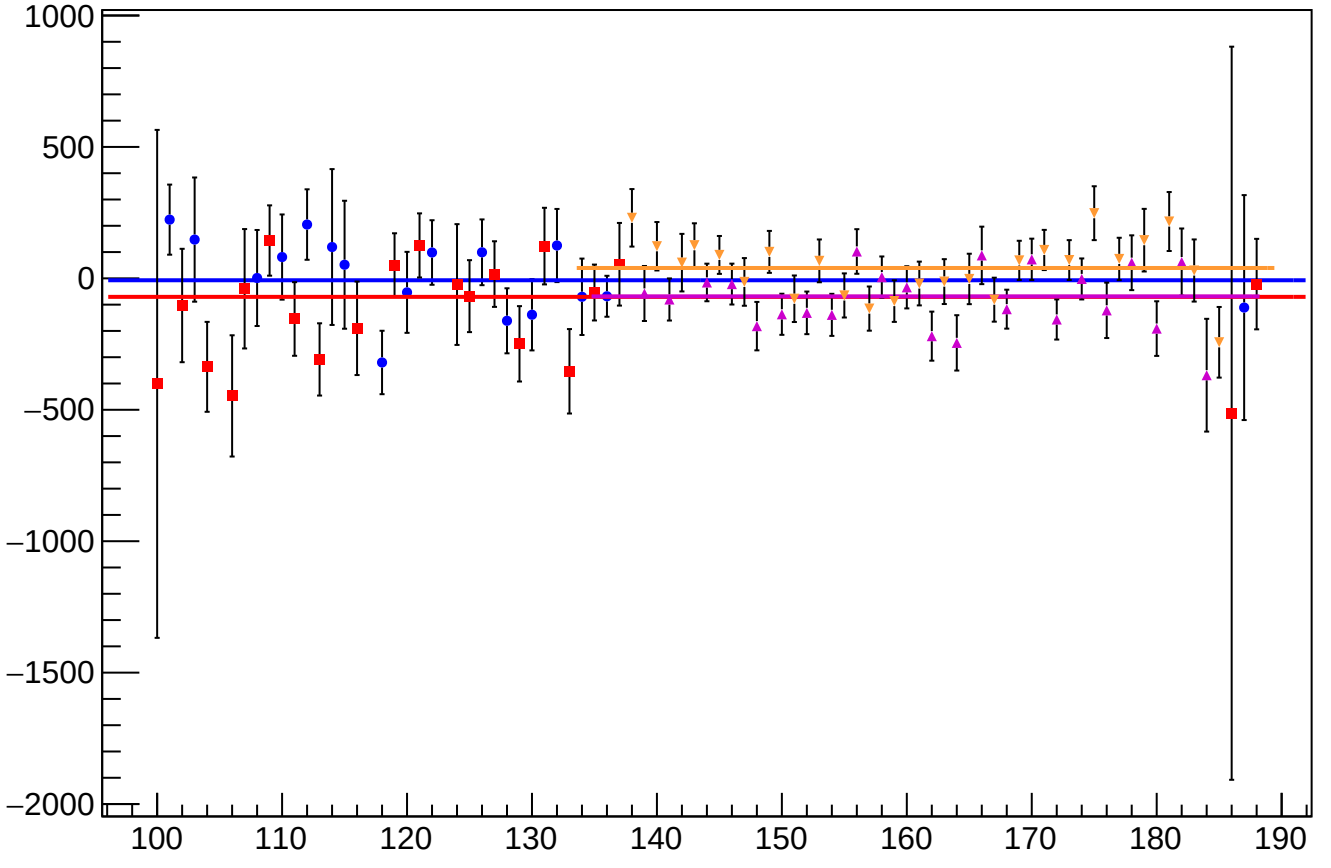
+ sign 0.000+/-0.000 χ^2/NDF: 32.7/41

All: 0.000+/-0.000 χ^2/NDF: 80.3/85

- sign -0.000+/-0.000 χ^2/NDF: 44.2/43


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2003590.4/16
Left Out: 0.000+/-0.000 χ²/NDF:2053779.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 2164620.0/20
Left In: 0.000+/-0.000 χ²/NDF:1700889.7/22
+ sign 0.000+/-0.000 χ²/NDF: 5870655.4/41
All: 0.000+/-0.000 χ²/NDF: 13247818.3/85
- sign 0.000+/-0.000 χ²/NDF: 7372845.8/43

reg_asym_sam_2468_avg_mean vs Slug



Right In: -7.226+/-34.177 χ^2/NDF: 19.0/16

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -70.406+/-34.178 χ^2/NDF: 23.0/20

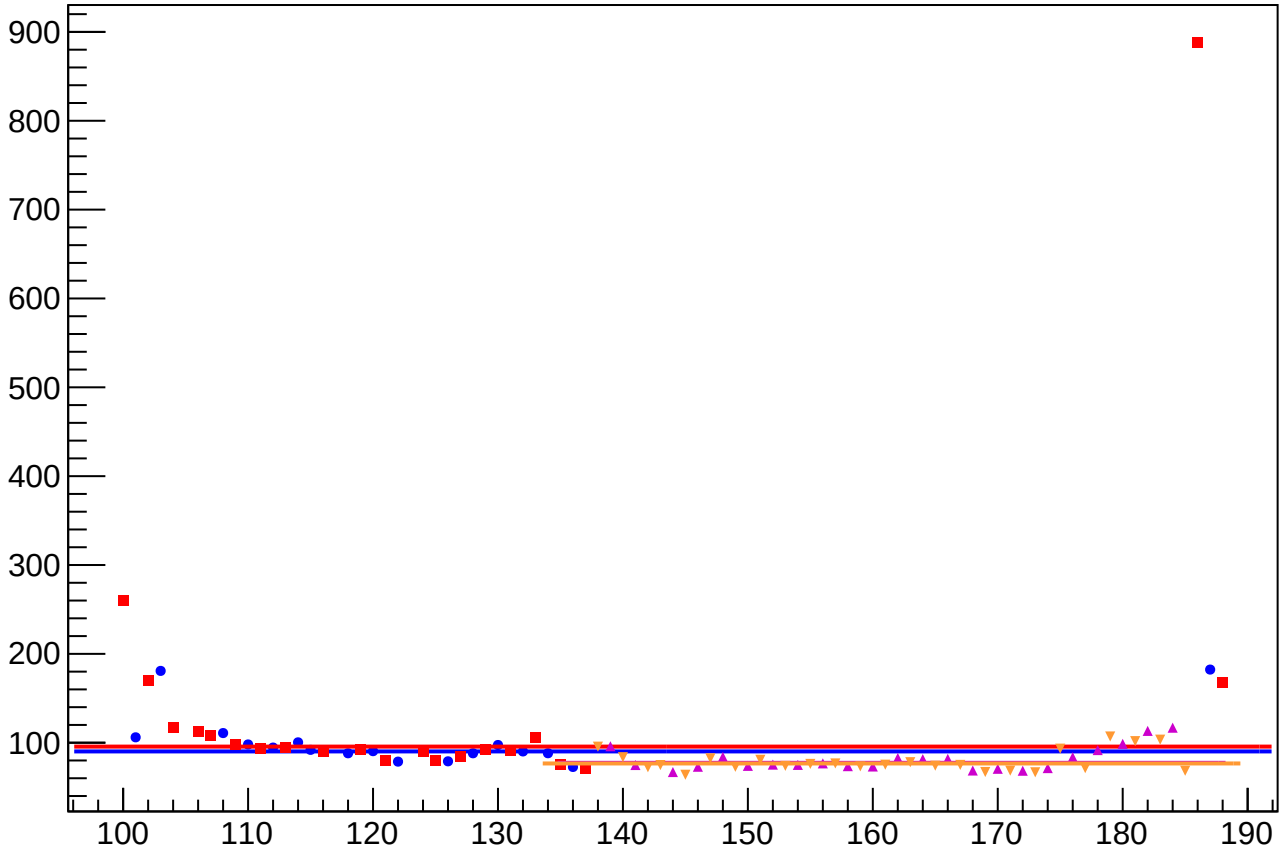
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.630+/-15.694 χ^2/NDF: 52.4/41

All: -18.297+/-11.253 χ^2/NDF: 123.6/85

- sign -69.018+/-16.145 χ^2/NDF: 52.0/43

reg_asym_sam_2468_avg_rms vs Slug



Right In: 90.195+/-0.024 χ^2/NDF: 591659.4/16

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 95.621+/-0.024 χ^2/NDF: 1559241.8/20

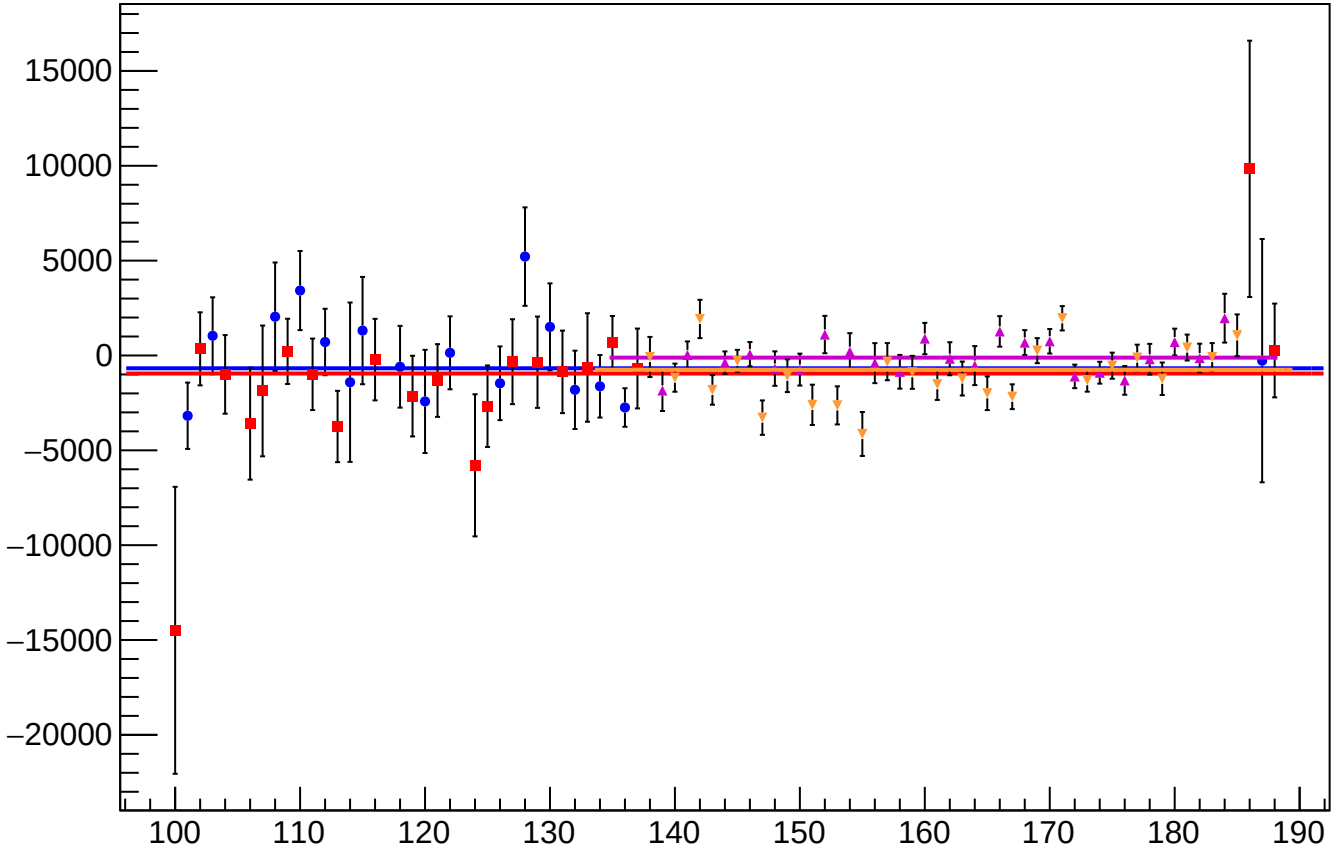
Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.503+/-0.011 χ^2/NDF: 1494307.9/41

All: 80.437+/-0.008 χ^2/NDF: 4102677.6/85

- sign 81.426+/-0.011 χ^2/NDF: 2593787.8/43

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -675.068+/-485.086 χ^2/NDF: 20.3/16

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -951.541+/-485.376 χ^2/NDF: 14.3/20

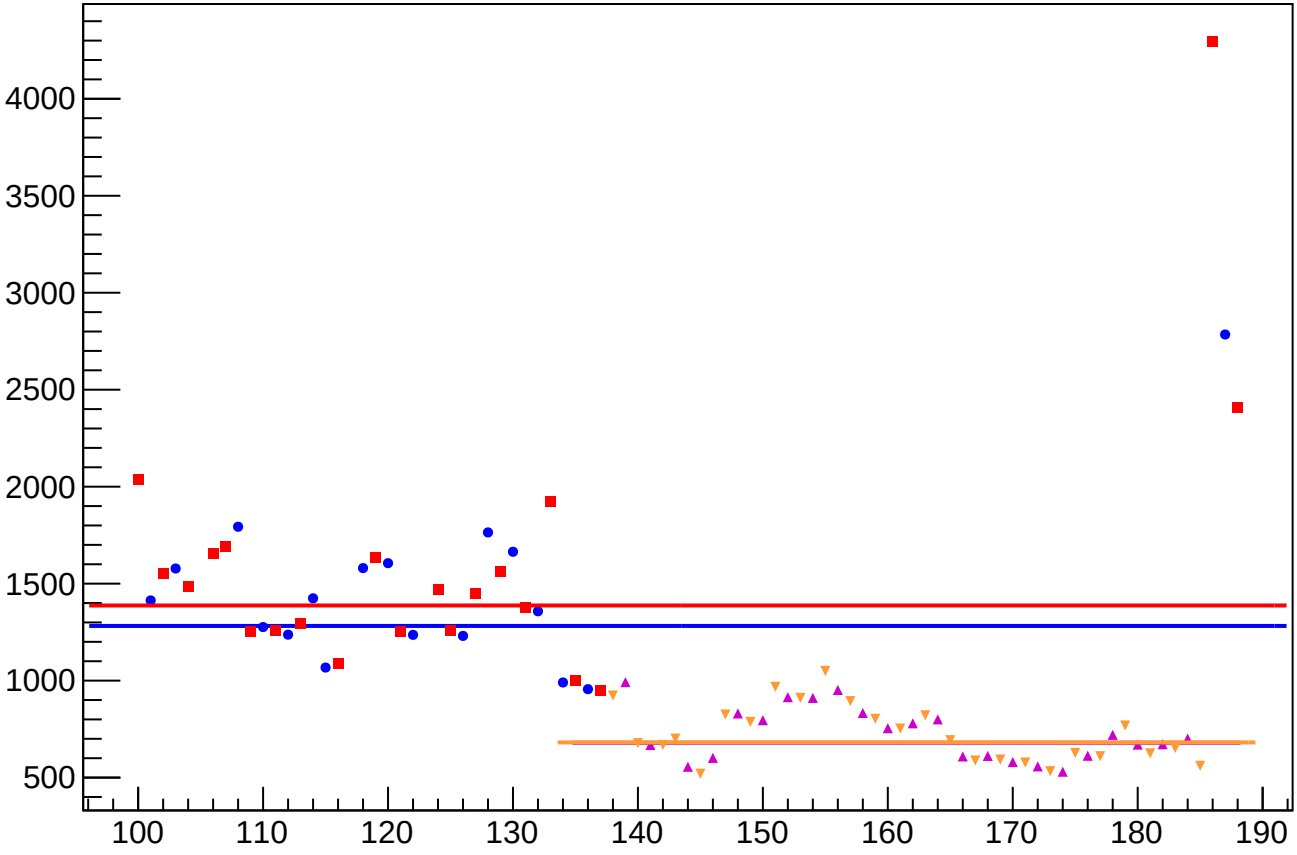
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

\+ sign -742.481+/-150.301 χ^2/NDF: 90.3/41

All: -475.779+/-107.393 χ^2/NDF: 138.7/85

\- sign -197.589+/-153.504 χ^2/NDF: 42.0/43

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1281.972+/-0.343 χ^2/NDF: 707971.5/16

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1387.495+/-0.343 χ^2/NDF: 1207547.0/20

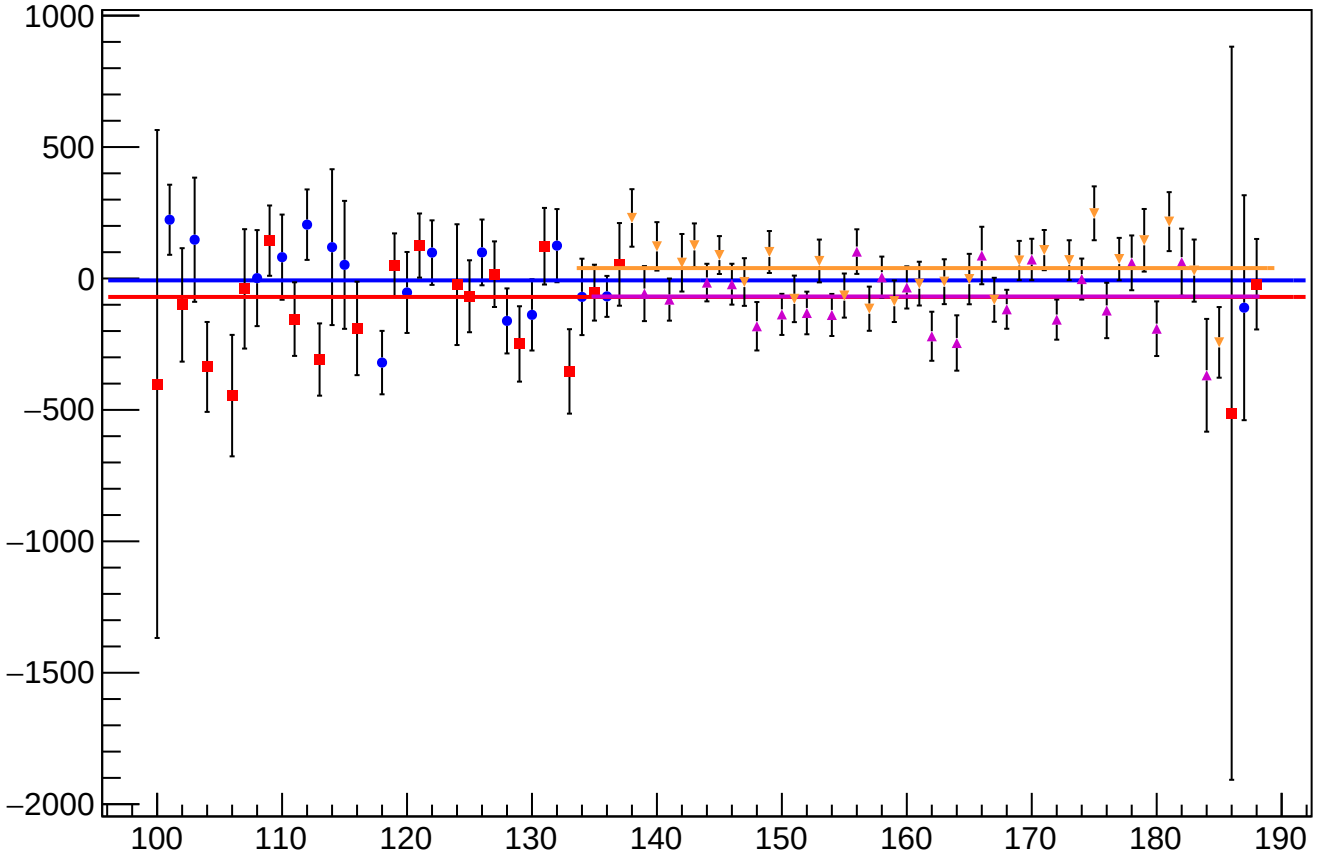
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 739.081+/-0.106 χ^2/NDF: 4813273.1/41

All: 744.541+/-0.076 χ^2/NDF: 11042133.0/85

- sign 750.235+/-0.109 χ^2/NDF: 6223468.9/43

cor_asym_sam_2468_avg_mean vs Slug



Right In: -7.236+/-34.177 χ^2/NDF: 19.0/16

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -70.268+/-34.180 χ^2/NDF: 22.9/20

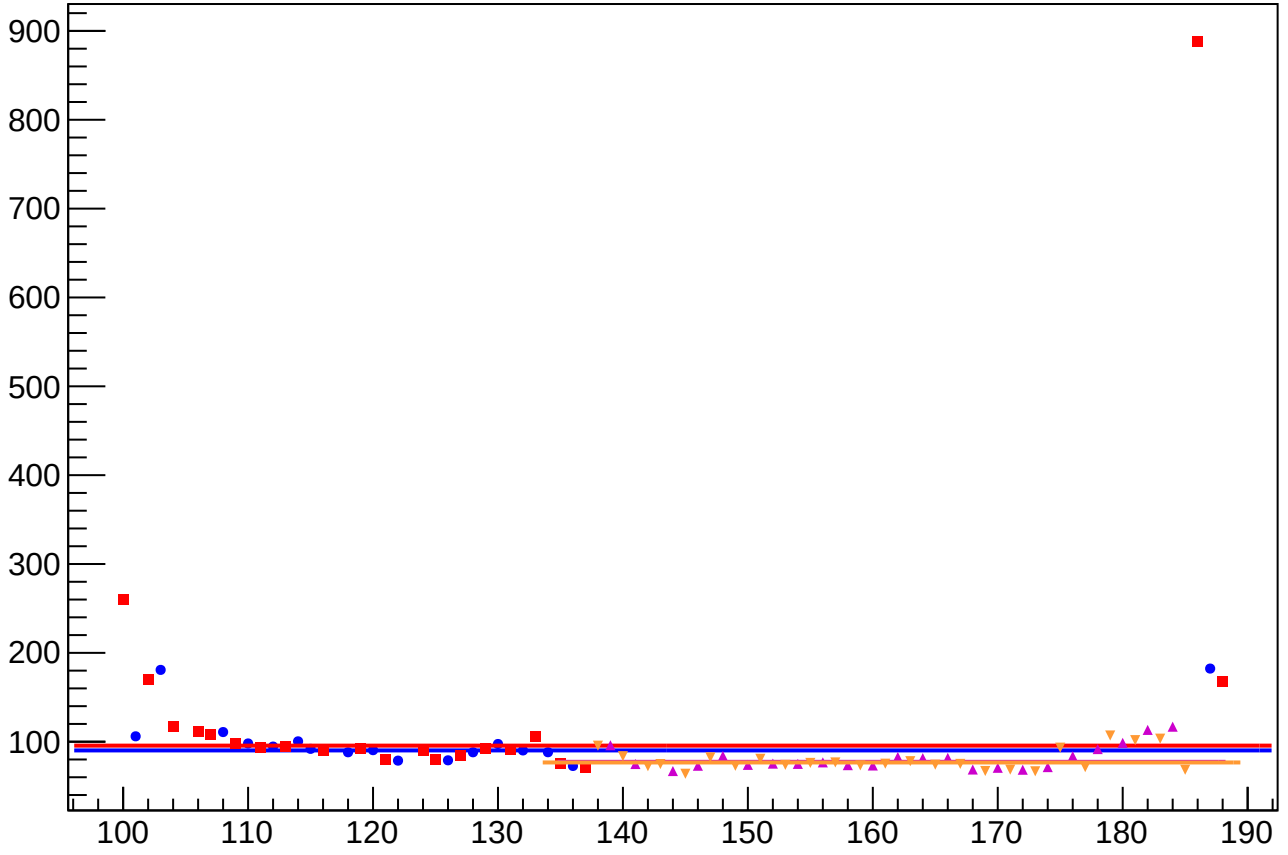
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.633+/-15.694 χ^2/NDF: 52.4/41

All: -18.279+/-11.253 χ^2/NDF: 123.5/85

- sign -68.987+/-16.145 χ^2/NDF: 51.9/43

cor_asym_sam_2468_avg_rms vs Slug



Right In: 90.195+/-0.024 χ^2/NDF: 591663.0/16

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

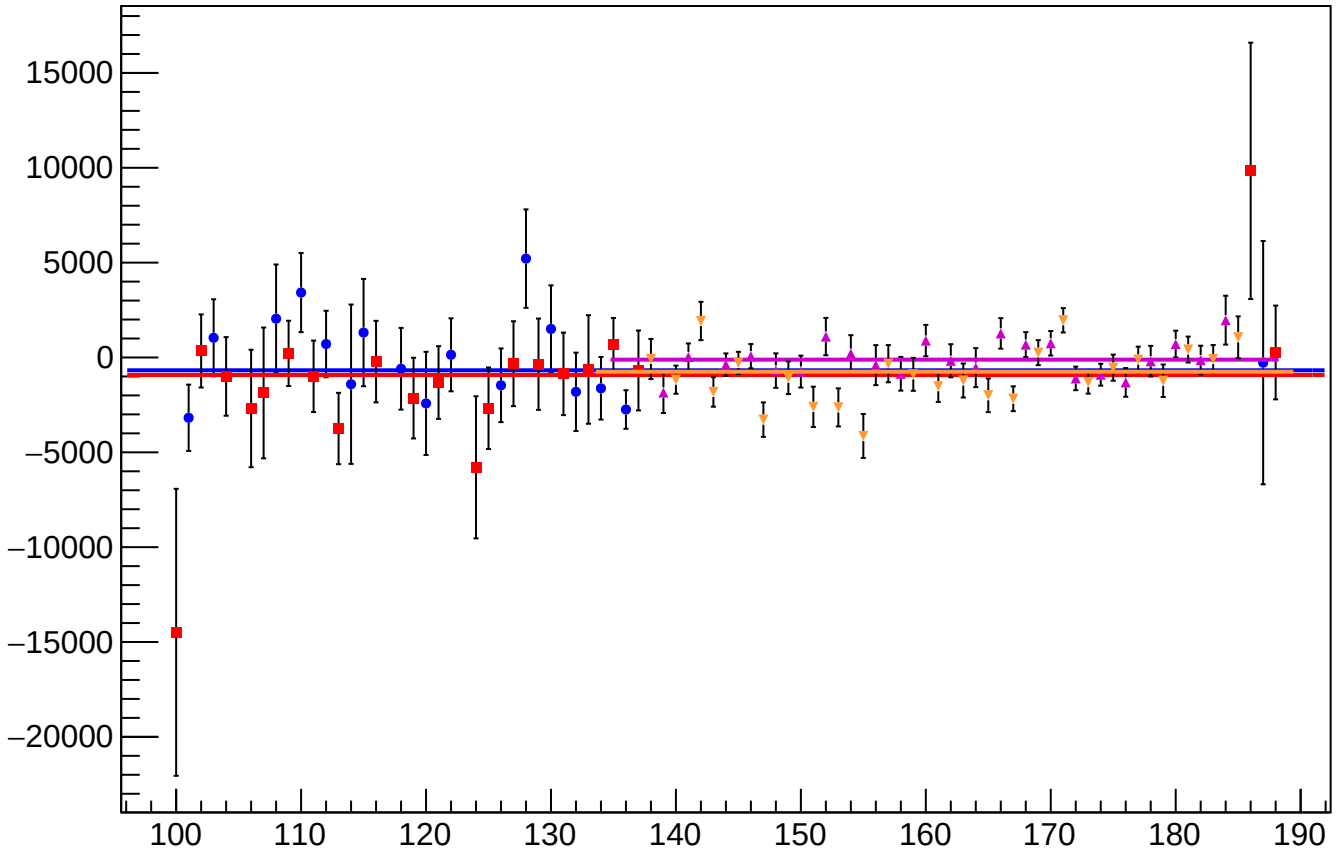
Right Out: 95.591+/-0.024 χ^2/NDF: 1557835.6/20

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.503+/-0.011 χ^2/NDF: 1494311.5/41

All: 80.434+/-0.008 χ^2/NDF: 4099666.7/85

- sign 81.419+/-0.011 χ^2/NDF: 2590880.5/43



Right In: -675.032+/-485.088 χ^2/NDF: 20.3/16

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -923.184+/-486.000 χ^2/NDF: 13.8/20

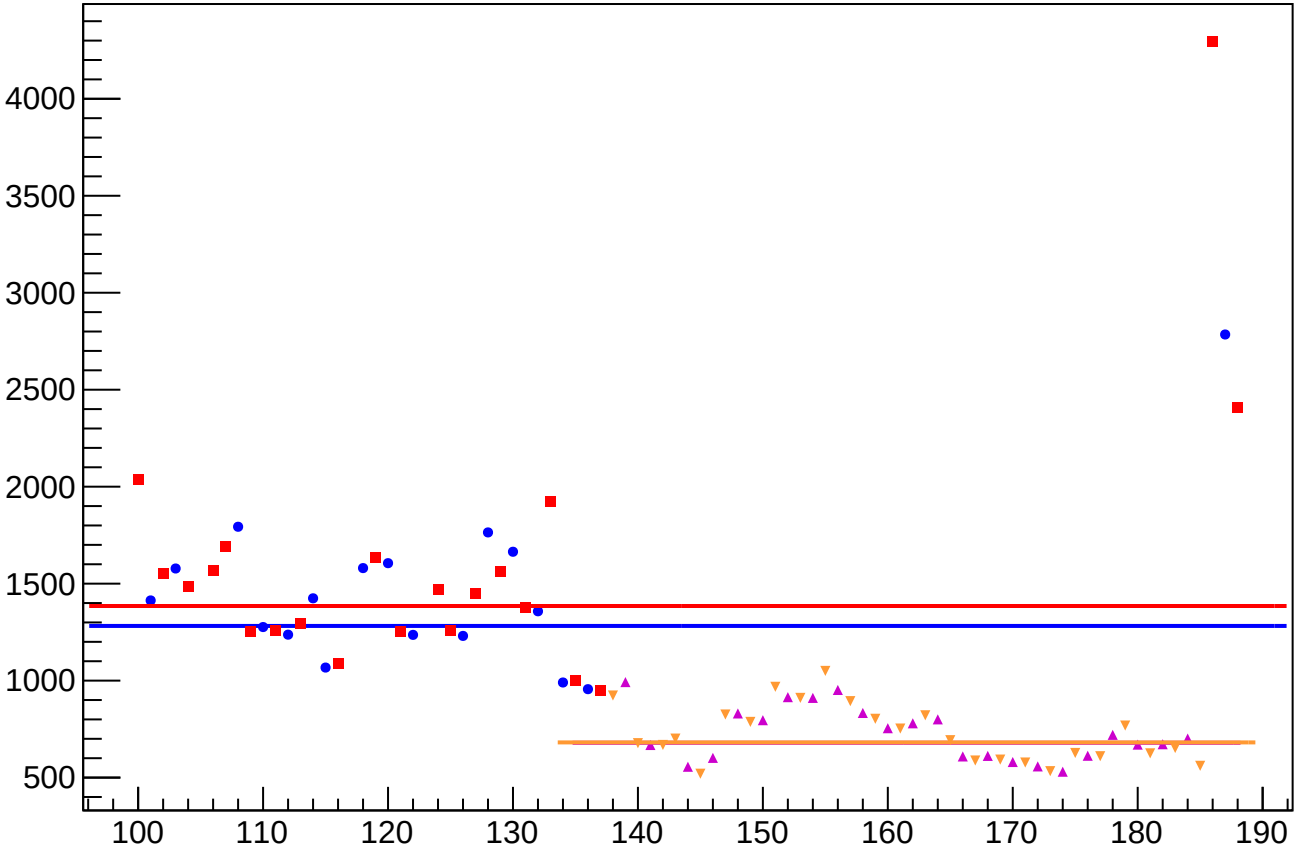
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -742.470+/-150.301 χ^2/NDF: 90.3/41

All: -474.329+/-107.400 χ^2/NDF: 138.1/85

- sign -194.566+/-153.524 χ^2/NDF: 41.3/43

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1281.975+/-0.343 χ^2/NDF: 707998.0/16

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1384.751+/-0.344 χ^2/NDF: 1198044.8/20

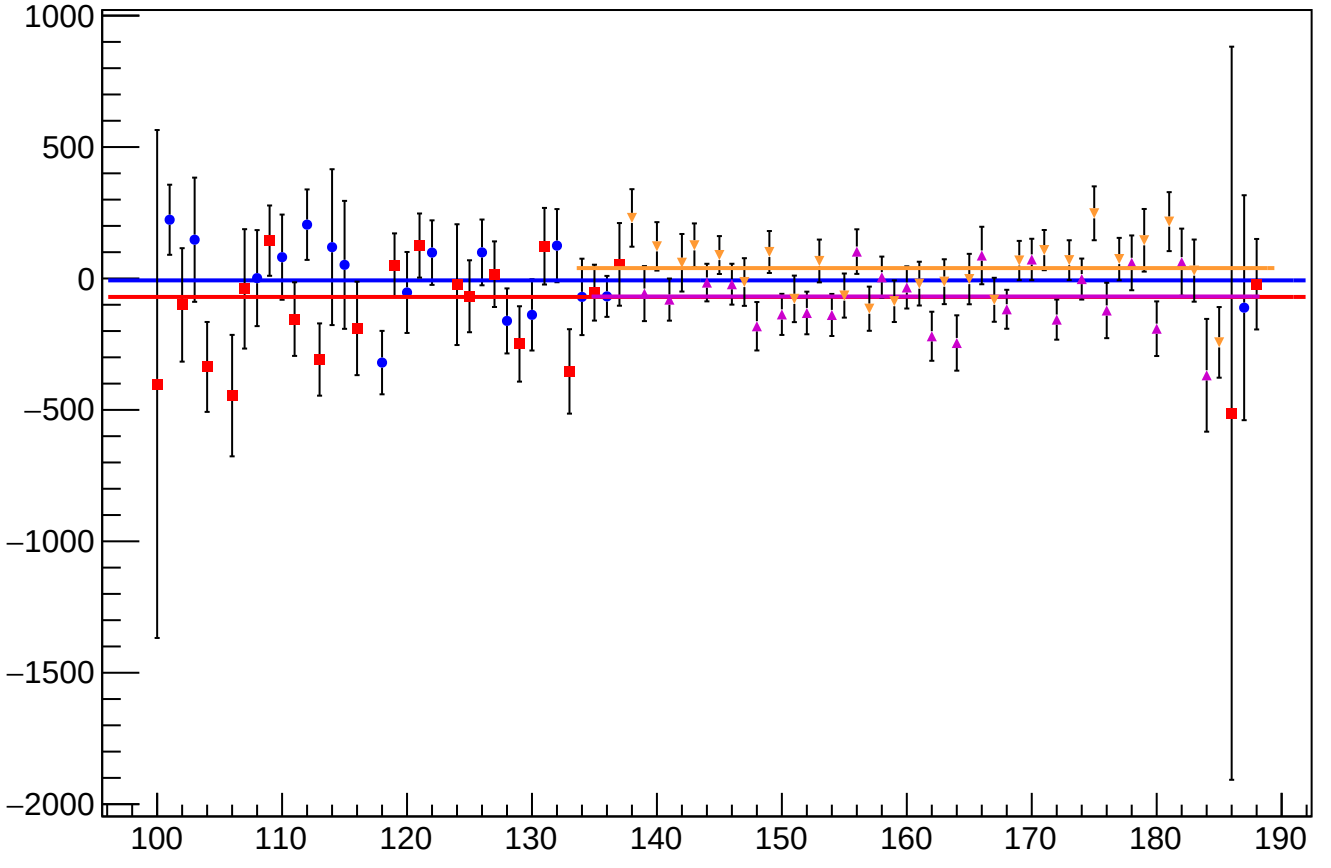
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

\+ sign 739.081+/-0.106 χ^2/NDF: 4813315.1/41

All: 744.326+/-0.076 χ^2/NDF: 10993839.9/85

\- sign 749.798+/-0.109 χ^2/NDF: 6175548.5/43

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -7.236+/-34.177 χ^2/NDF: 19.0/16

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -70.268+/-34.180 χ^2/NDF: 22.9/20

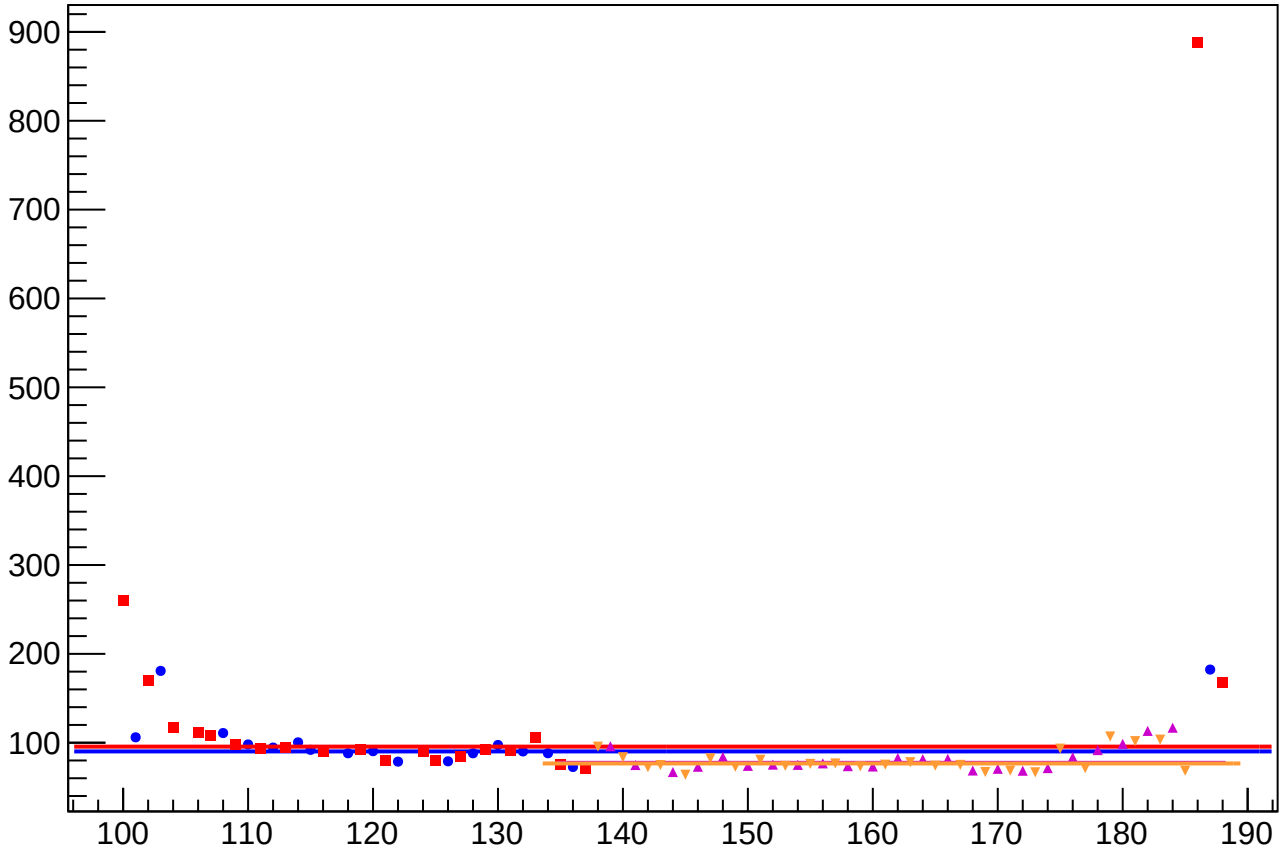
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.633+/-15.694 χ^2/NDF: 52.4/41

All: -18.279+/-11.253 χ^2/NDF: 123.5/85

- sign -68.987+/-16.145 χ^2/NDF: 51.9/43

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 90.195+/-0.024 χ^2/NDF: 591663.0/16

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

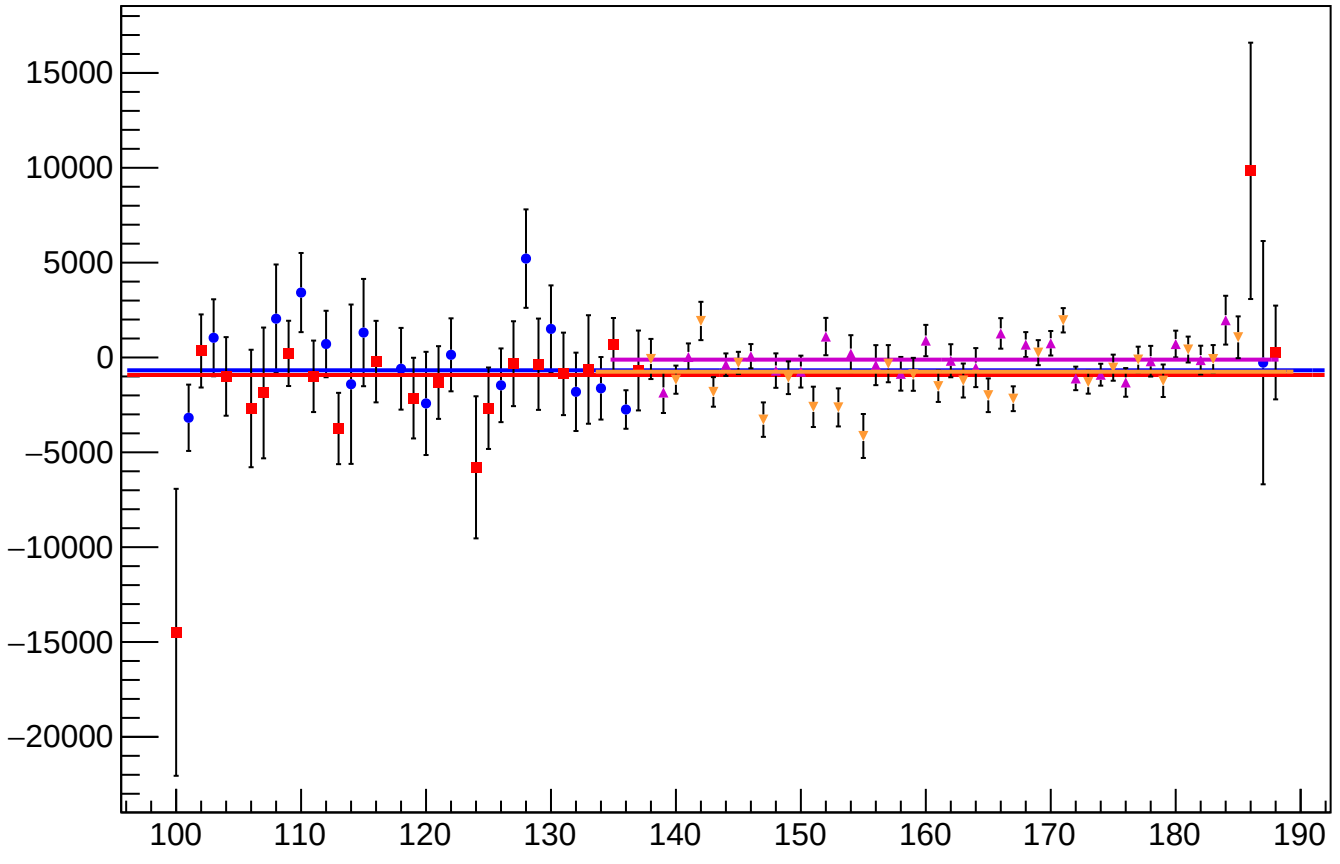
Right Out: 95.591+/-0.024 χ^2/NDF: 1557835.6/20

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.503+/-0.011 χ^2/NDF: 1494311.5/41

All: 80.434+/-0.008 χ^2/NDF: 4099666.7/85

- sign 81.419+/-0.011 χ^2/NDF: 2590880.5/43



Right In: -675.032+/-485.088 χ^2/NDF: 20.3/16

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -923.184+/-486.000 χ^2/NDF: 13.8/20

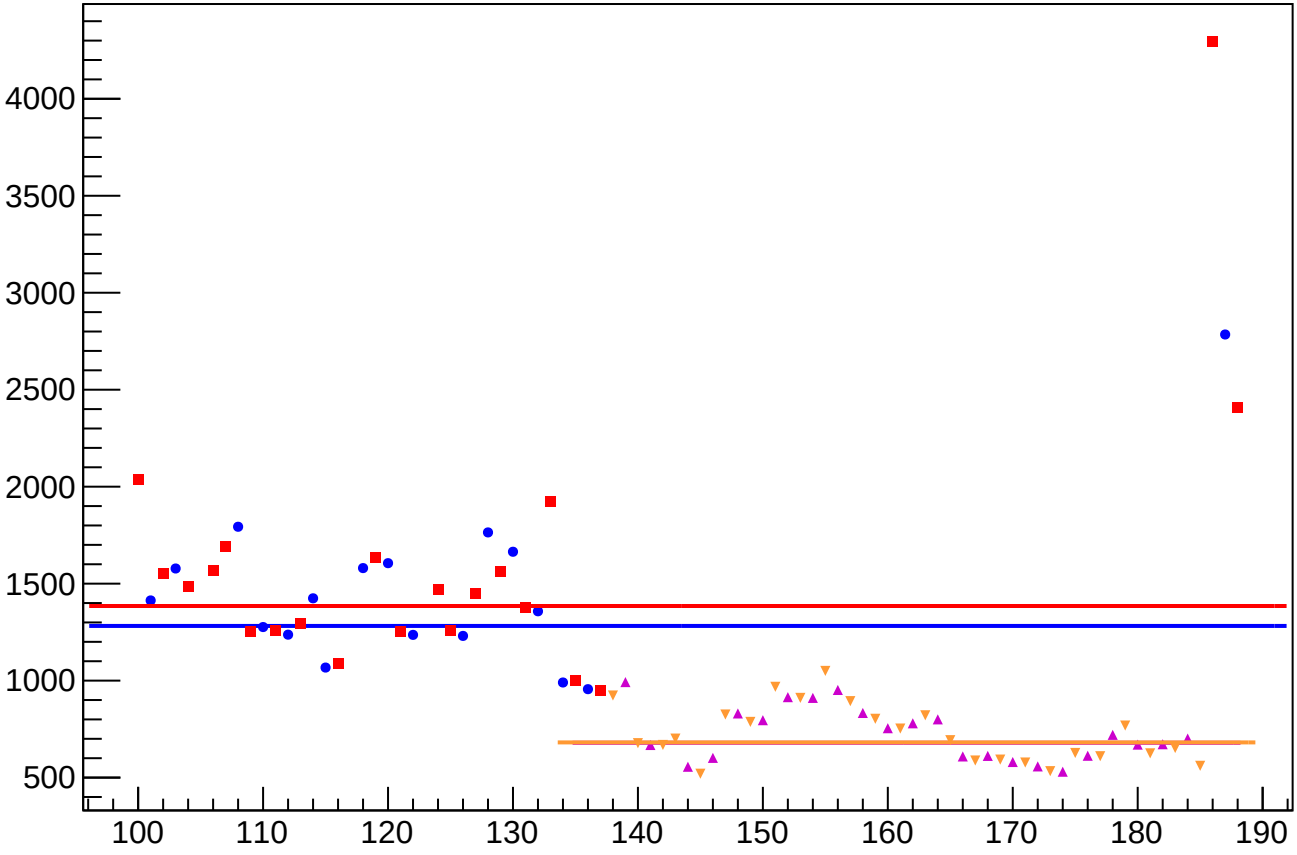
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -742.470+/-150.301 χ^2/NDF: 90.3/41

All: -474.329+/-107.400 χ^2/NDF: 138.1/85

- sign -194.566+/-153.524 χ^2/NDF: 41.3/43

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug



Right In: 1281.975+/-0.343 χ^2/NDF: 707998.0/16

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1384.751+/-0.344 χ^2/NDF: 1198044.8/20

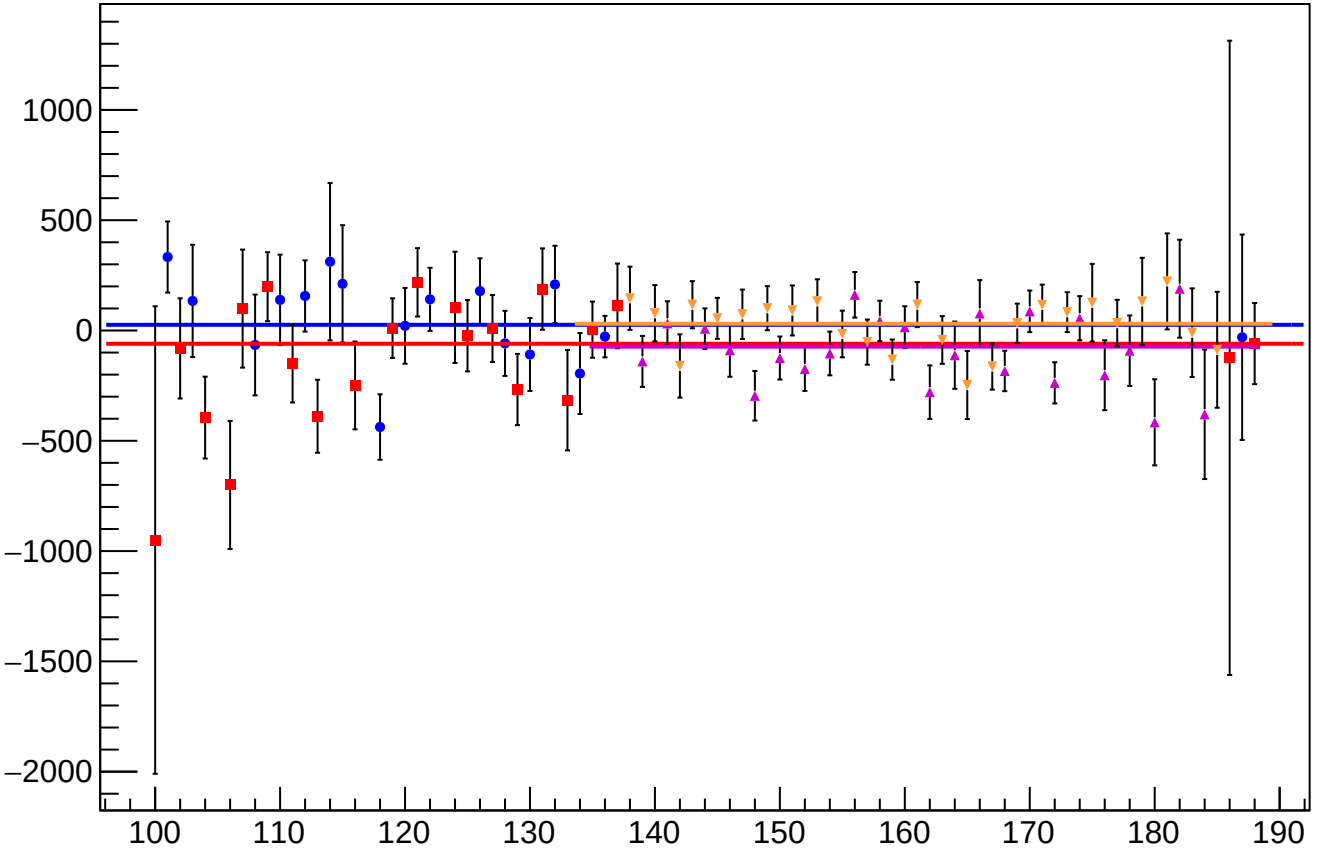
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 739.081+/-0.106 χ^2/NDF: 4813315.1/41

All: 744.326+/-0.076 χ^2/NDF: 10993839.9/85

- sign 749.798+/-0.109 χ^2/NDF: 6175548.5/43

dit_asym_sam_2468_avg_mean vs Slug



Right In: 25.809+/-41.059 χ^2/NDF: 21.4/16

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -60.124+/-40.492 χ^2/NDF: 27.0/20

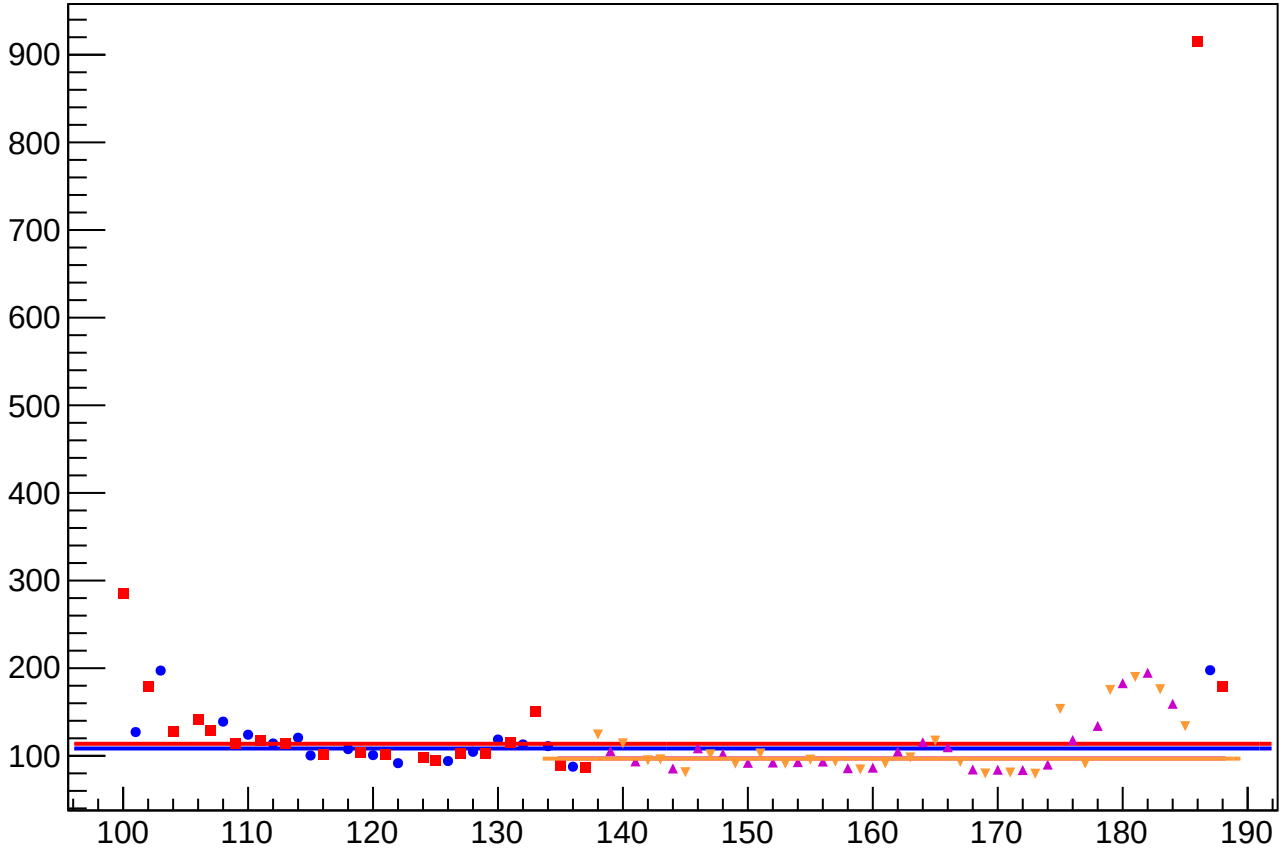
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 29.531+/-19.970 χ^2/NDF: 41.3/41

All: -19.275+/-14.247 χ^2/NDF: 115.1/85

- sign -69.864+/-20.332 χ^2/NDF: 61.6/43

dit_asym_sam_2468_avg_rms vs Slug



Right In: 108.380+/-0.029 χ^2/NDF: 557307.2/16

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 113.745+/-0.029 χ^2/NDF: 1384761.7/20

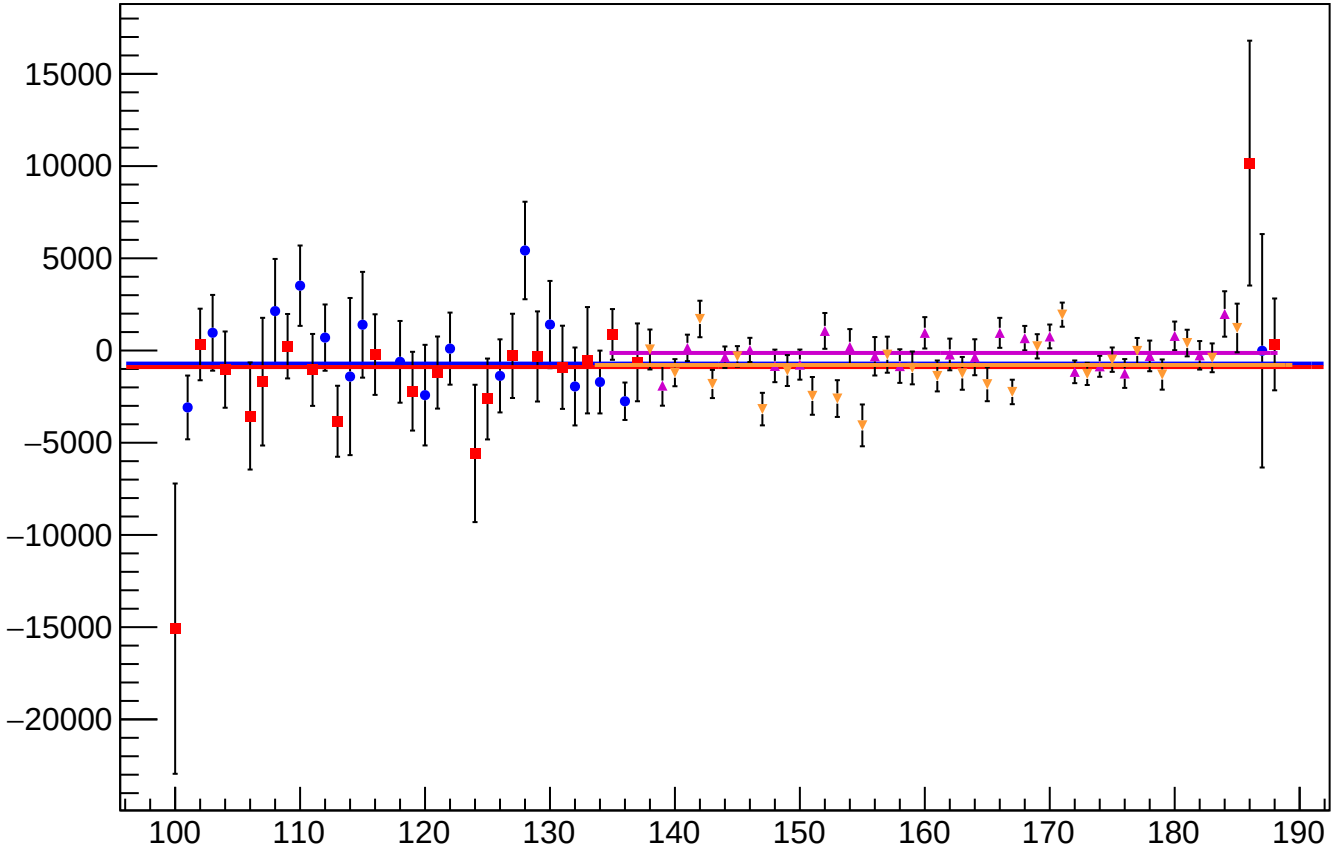
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 99.535+/-0.014 χ^2/NDF: 2399289.0/41

All: 100.369+/-0.010 χ^2/NDF: 5367645.3/85

- sign 101.234+/-0.014 χ^2/NDF: 2961246.2/43

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -708.669+/-491.762 χ^2/NDF: 20.1/16

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -897.621+/-490.166 χ^2/NDF: 14.8/20

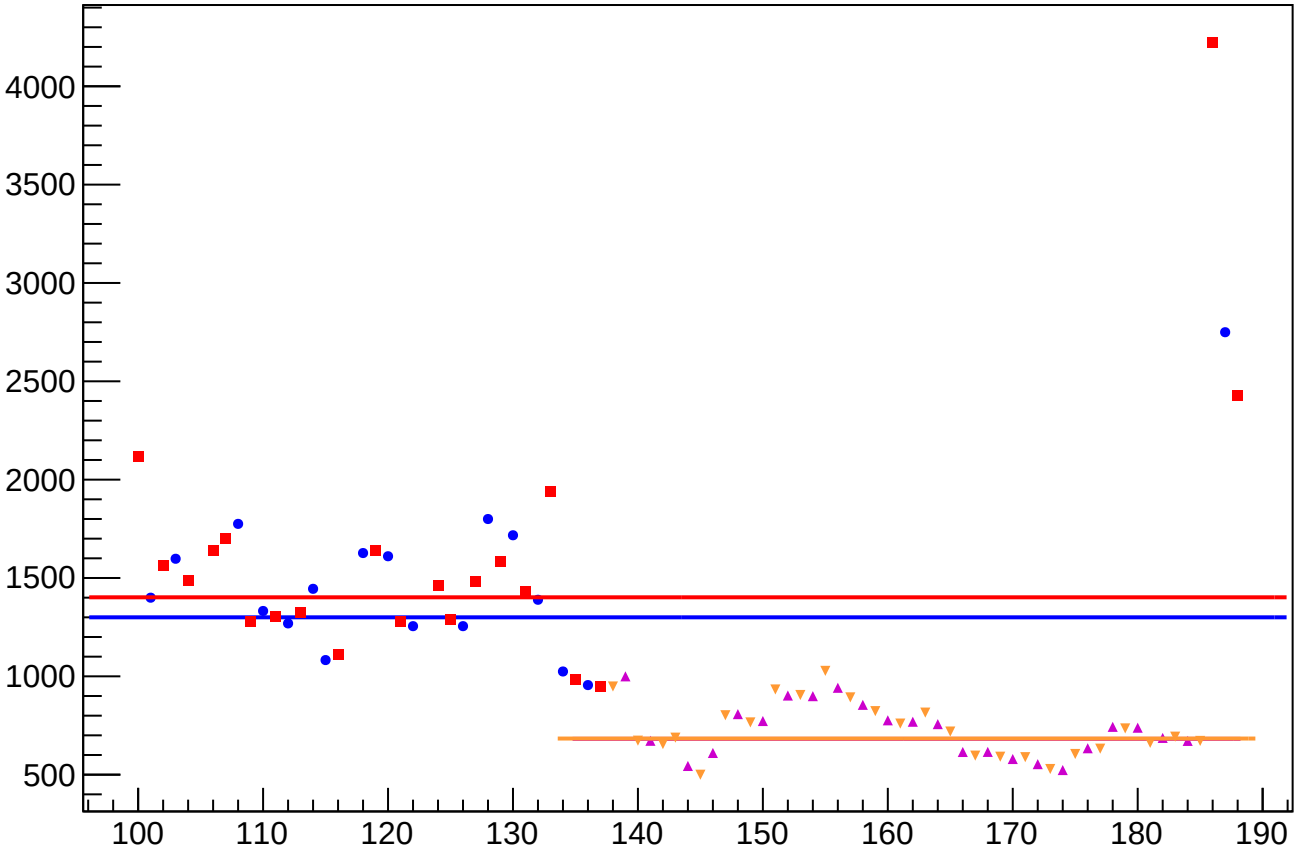
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -776.703+/-150.710 χ^2/NDF: 86.5/41

All: -498.399+/-107.770 χ^2/NDF: 134.7/85

- sign -207.179+/-154.167 χ^2/NDF: 41.3/43

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1300.027+/-0.348 χ^2/NDF: 716448.8/16

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1401.763+/-0.347 χ^2/NDF: 1217250.5/20

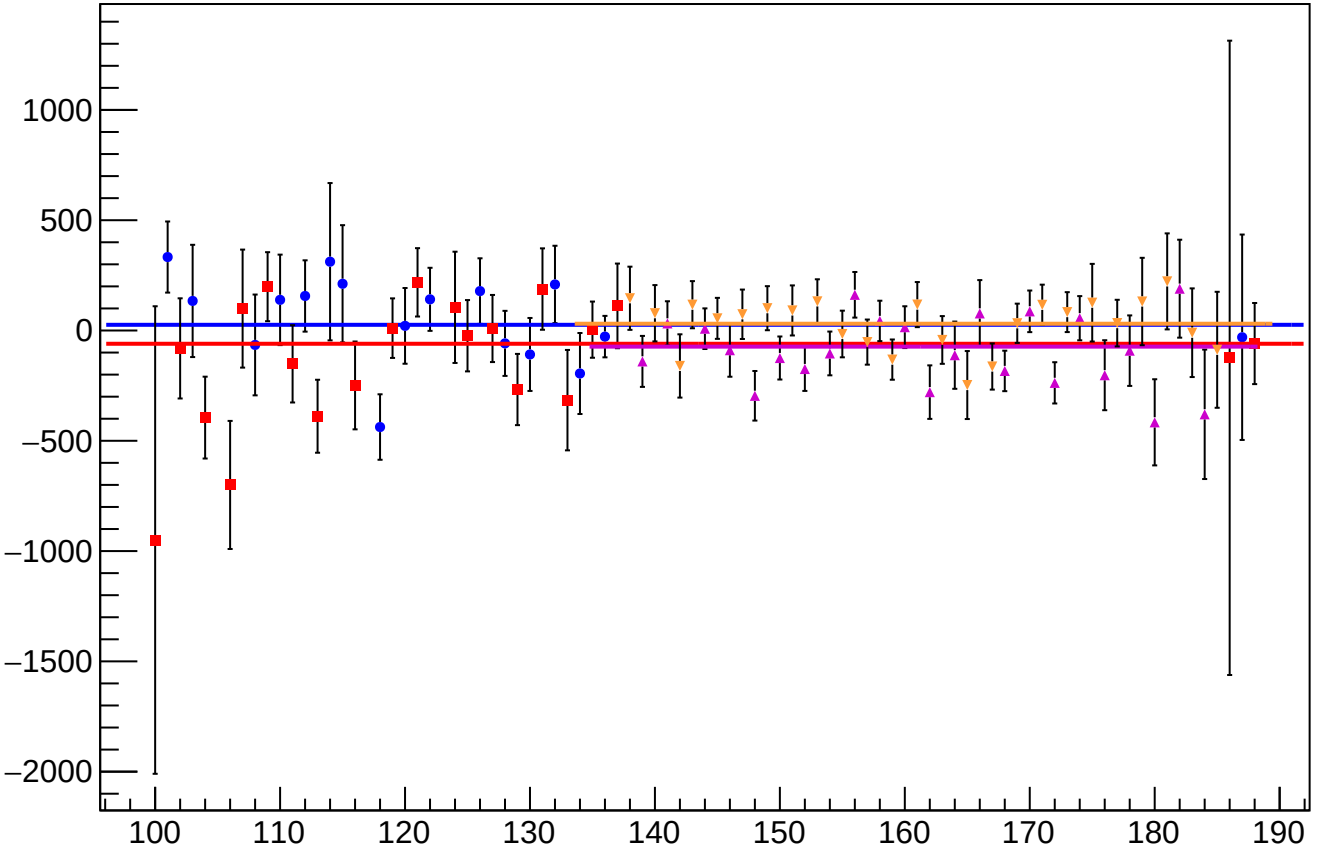
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 741.586+/-0.107 χ^2/NDF: 4860921.2/41

All: 747.245+/-0.076 χ^2/NDF: 11156329.9/85

- sign 753.167+/-0.109 χ^2/NDF: 6289638.0/43

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 25.810+/-41.059 χ^2/NDF: 21.4/16

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -60.122+/-40.492 χ^2/NDF: 27.0/20

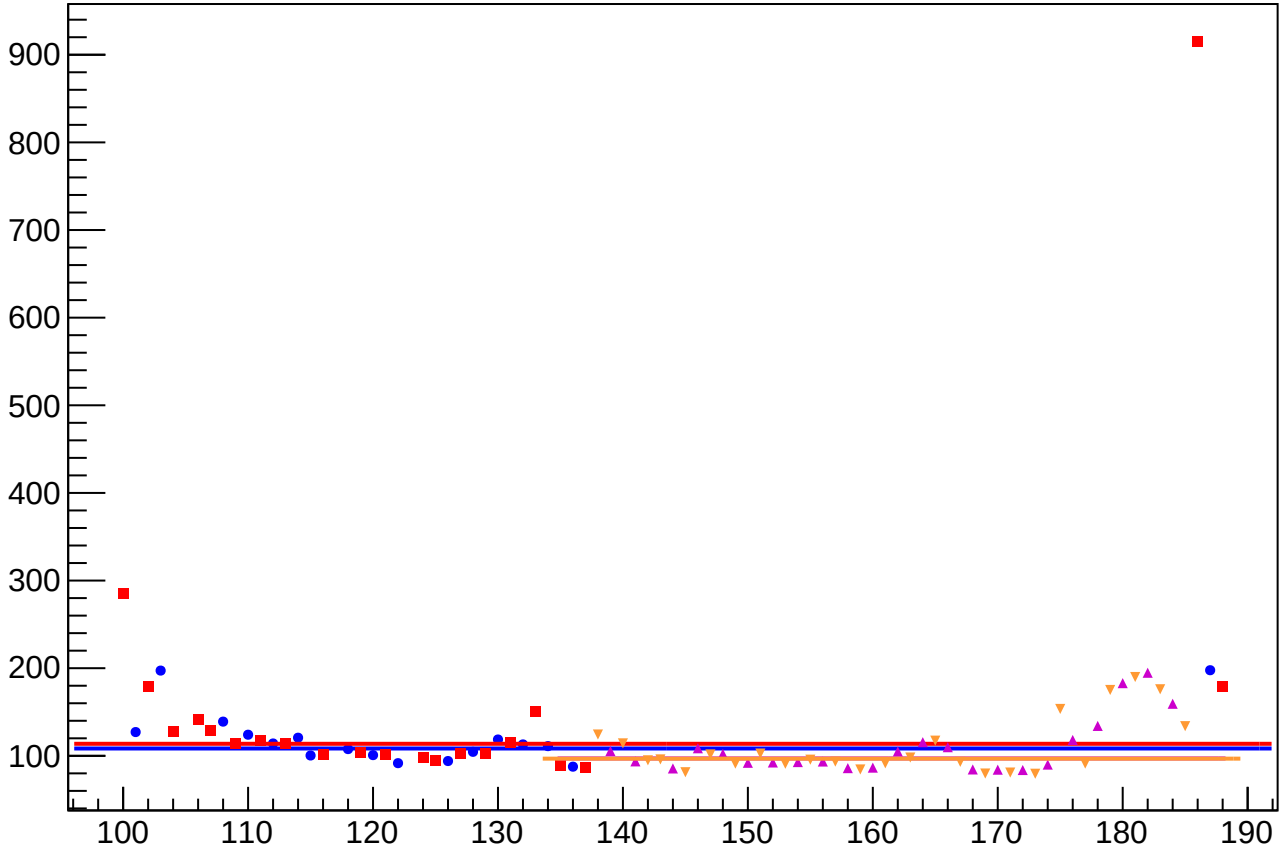
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 29.531+/-19.970 χ^2/NDF: 41.3/41

All: -19.274+/-14.247 χ^2/NDF: 115.1/85

- sign -69.863+/-20.332 χ^2/NDF: 61.6/43

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 108.379+/-0.029 χ^2/NDF: 557296.8/16

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

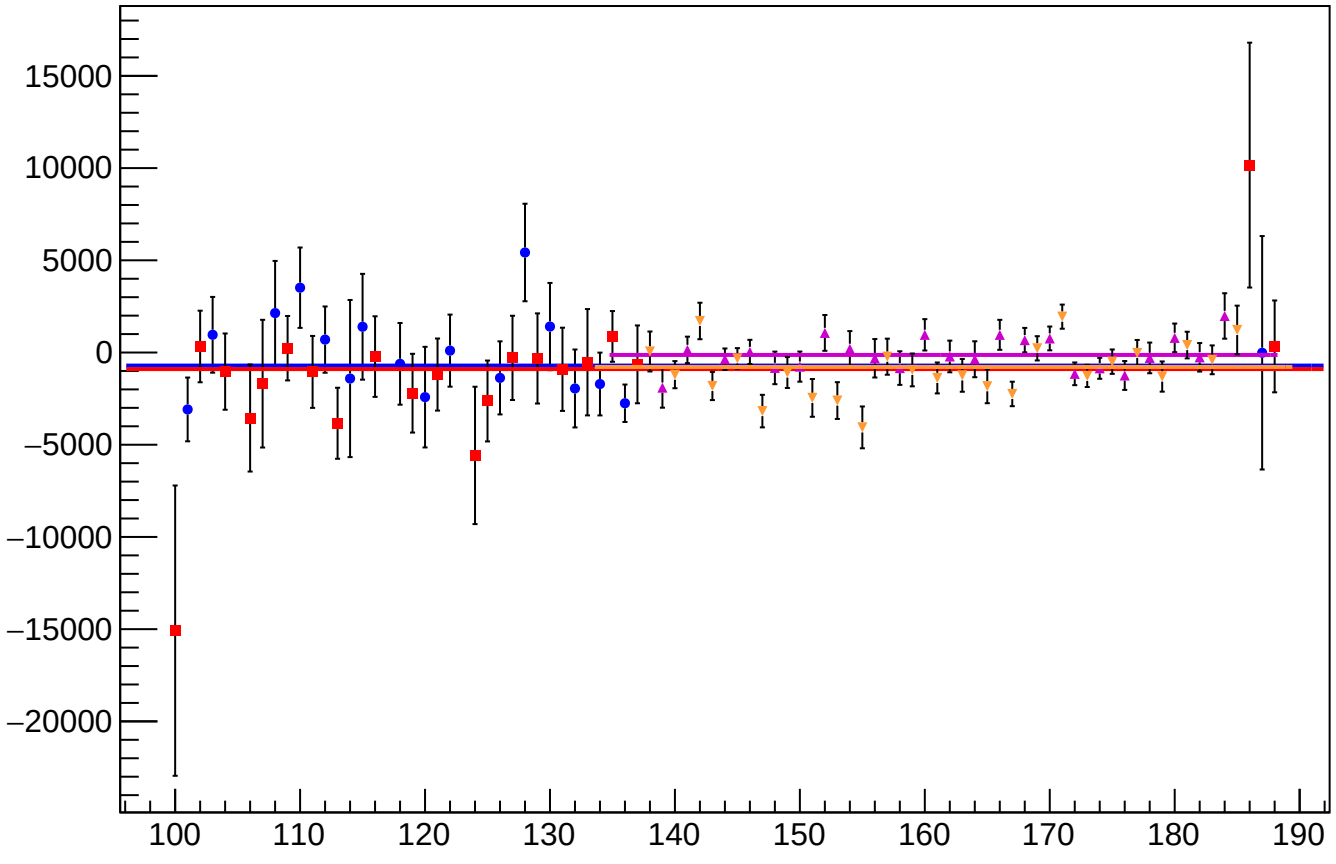
Right Out: 113.745+/-0.029 χ^2/NDF: 1384766.3/20

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 99.535+/-0.014 χ^2/NDF: 2399257.9/41

All: 100.370+/-0.010 χ^2/NDF: 5367575.5/85

- sign 101.234+/-0.014 χ^2/NDF: 2961207.2/43



Right In: -708.663+/-491.760 χ^2/NDF: 20.1/16

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: -897.620+/-490.165 χ^2/NDF: 14.8/20

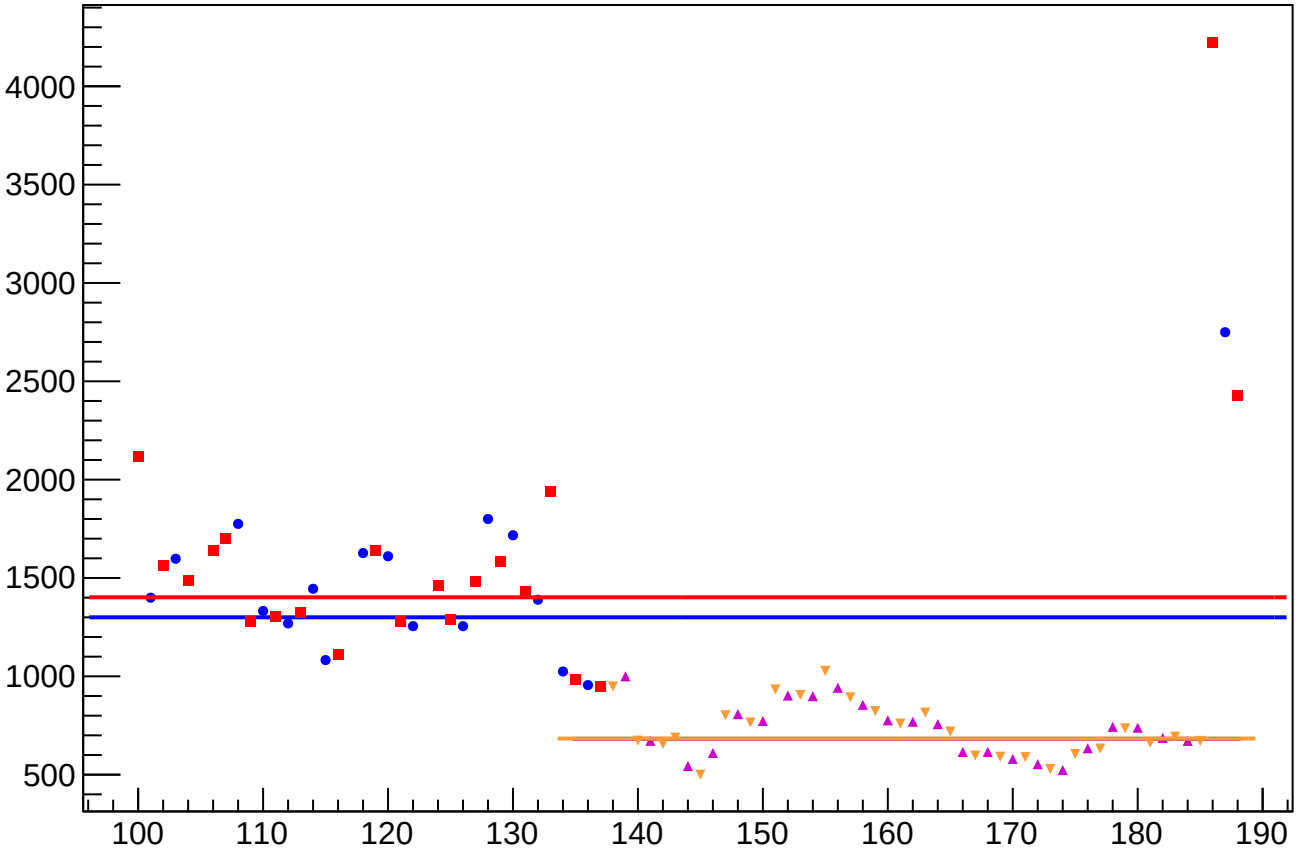
Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -776.701+/-150.710 χ^2/NDF: 86.5/41

All: -498.397+/-107.769 χ^2/NDF: 134.7/85

- sign -207.178+/-154.167 χ^2/NDF: 41.3/43

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



Right In: 1300.024+/-0.348 χ^2/NDF: 716446.4/16

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1401.760+/-0.347 χ^2/NDF: 1217251.0/20

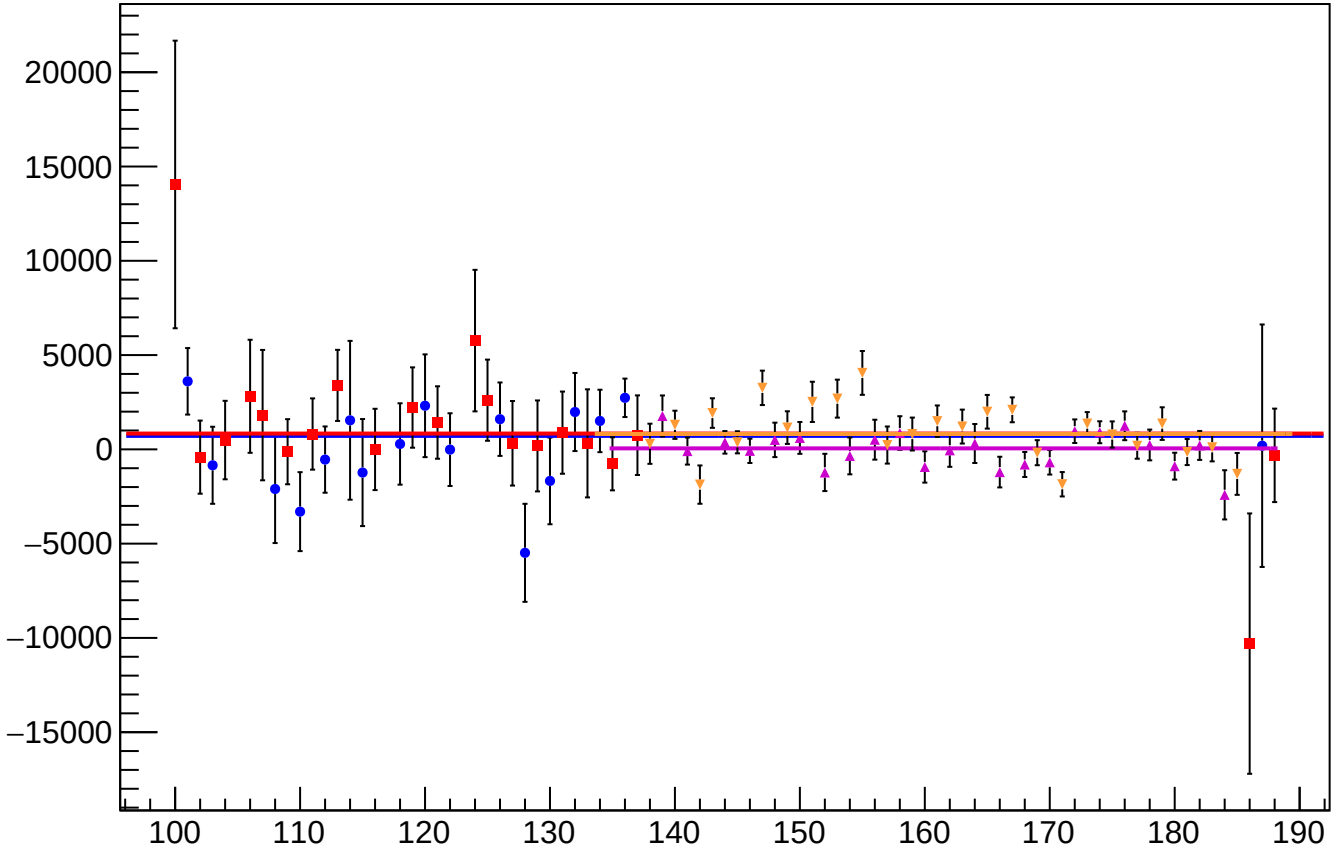
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 741.584+/-0.107 χ^2/NDF: 4860925.4/41

All: 747.243+/-0.076 χ^2/NDF: 11156335.1/85

- sign 753.165+/-0.109 χ^2/NDF: 6289639.0/43

asym_sam_2468_avg_mean vs Slug



Right In: 714.610+/-486.837 χ^2/NDF: 21.0/16

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 837.654+/-487.073 χ^2/NDF: 13.5/20

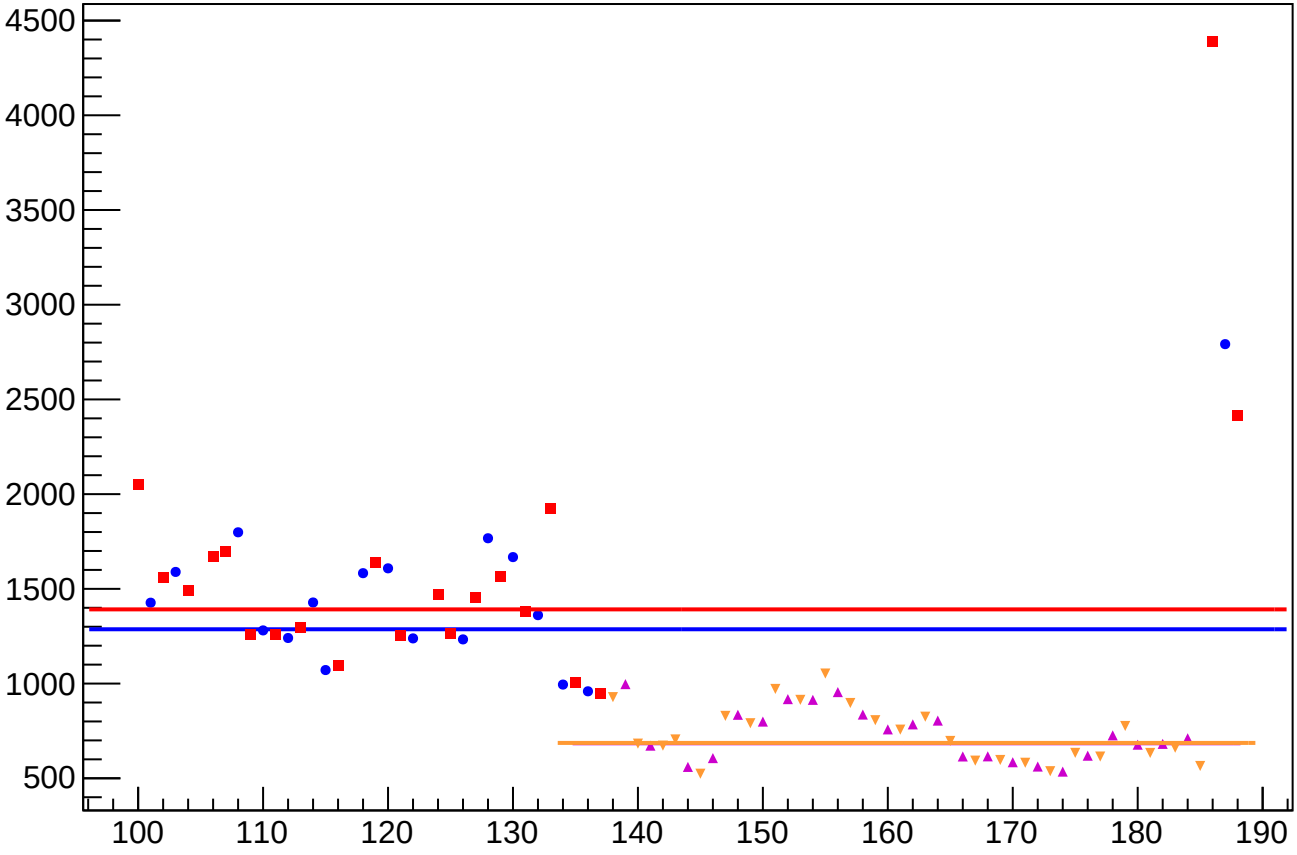
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 804.453+/-151.363 χ^2/NDF: 86.8/41

All: 475.065+/-108.158 χ^2/NDF: 137.6/85

- sign 131.418+/-154.605 χ^2/NDF: 41.2/43

asym_sam_2468_avg_rms vs Slug



Right In: 1286.658+/-0.344 χ^2/NDF: 707905.4/16

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1391.663+/-0.344 χ^2/NDF: 1215315.0/20

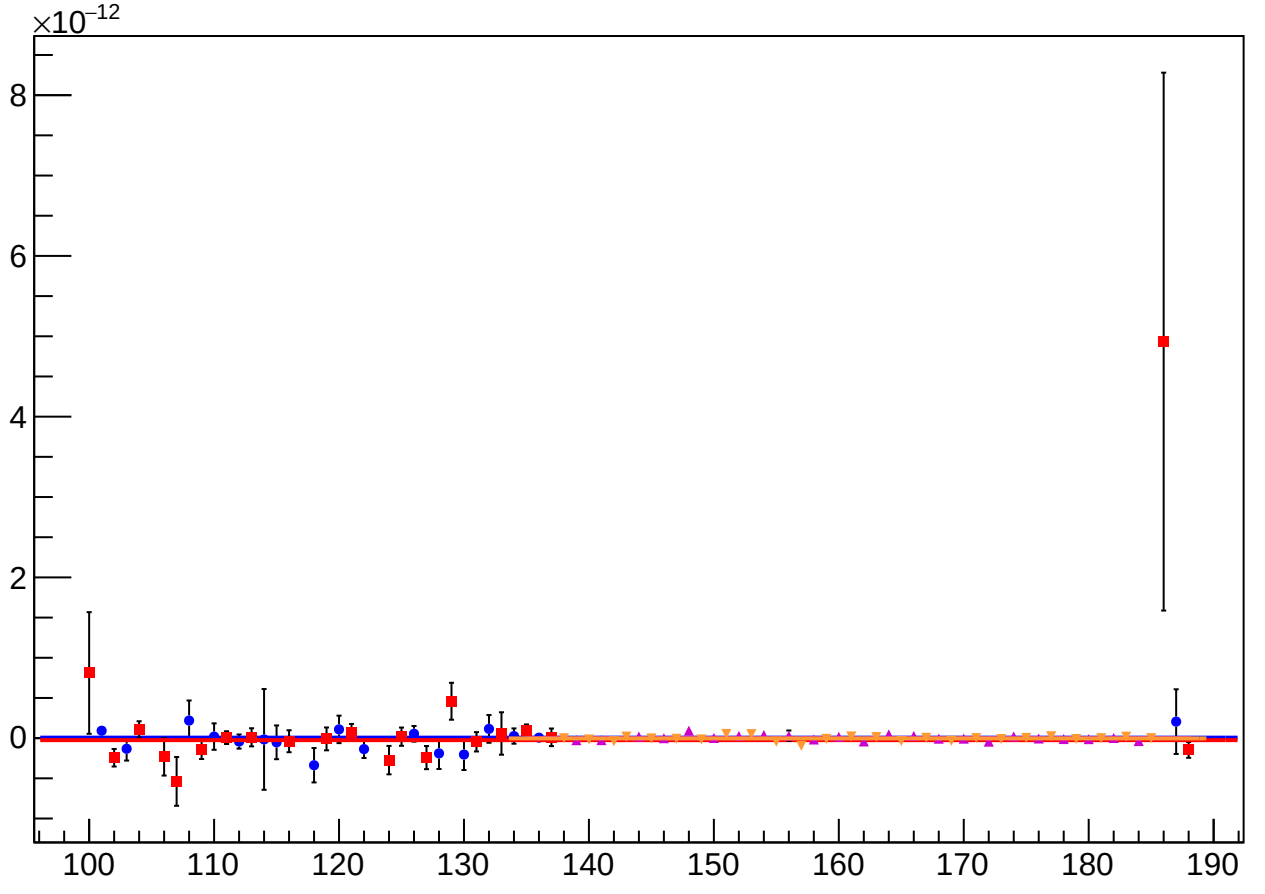
Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 744.695+/-0.107 χ^2/NDF: 4763938.5/41

All: 750.221+/-0.076 χ^2/NDF: 10938142.1/85

- sign 755.986+/-0.109 χ^2/NDF: 6168757.8/43

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

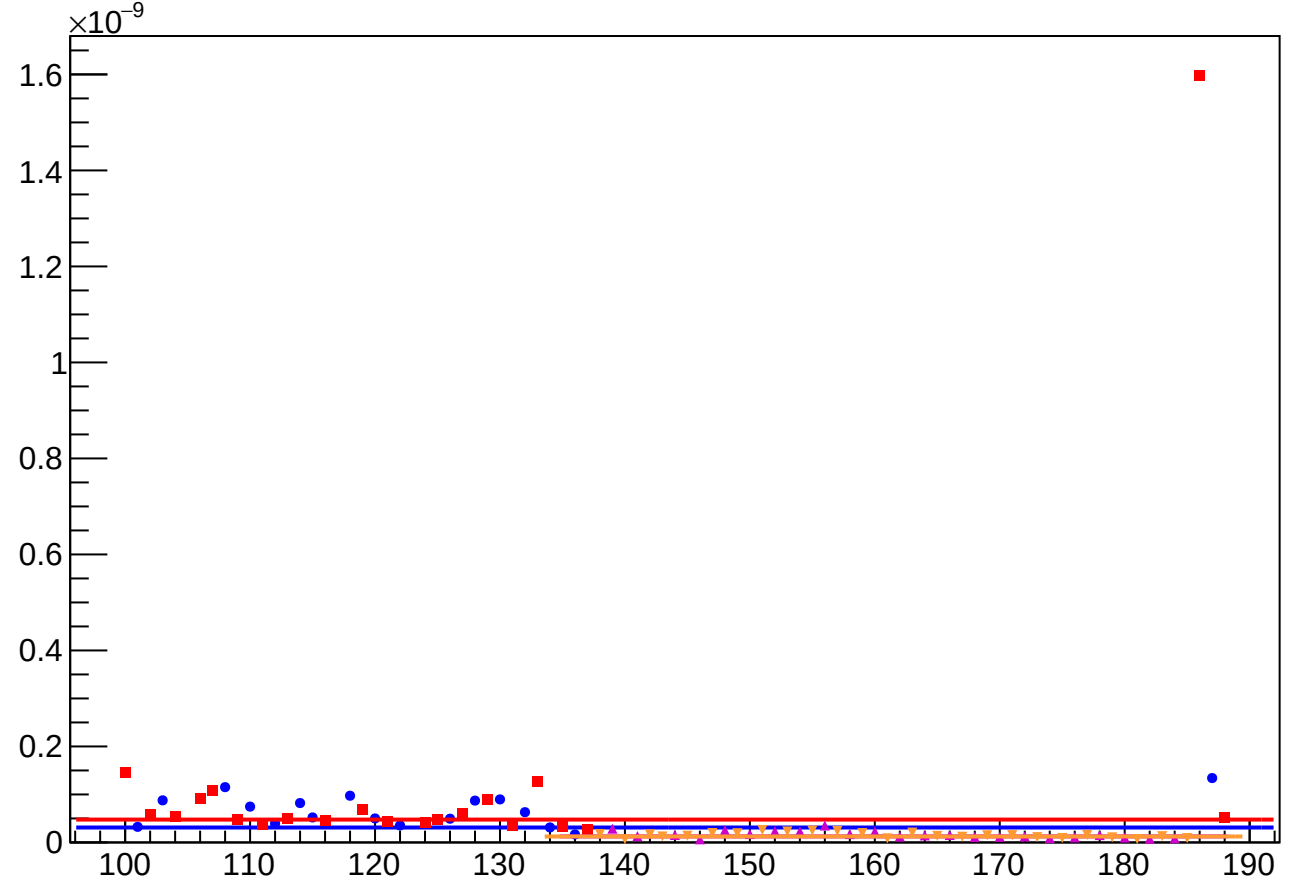
Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/20

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.6/41

All: -0.000+/-0.000 χ^2/NDF: 77.6/85

- sign -0.000+/-0.000 χ^2/NDF: 48.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 2044390.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

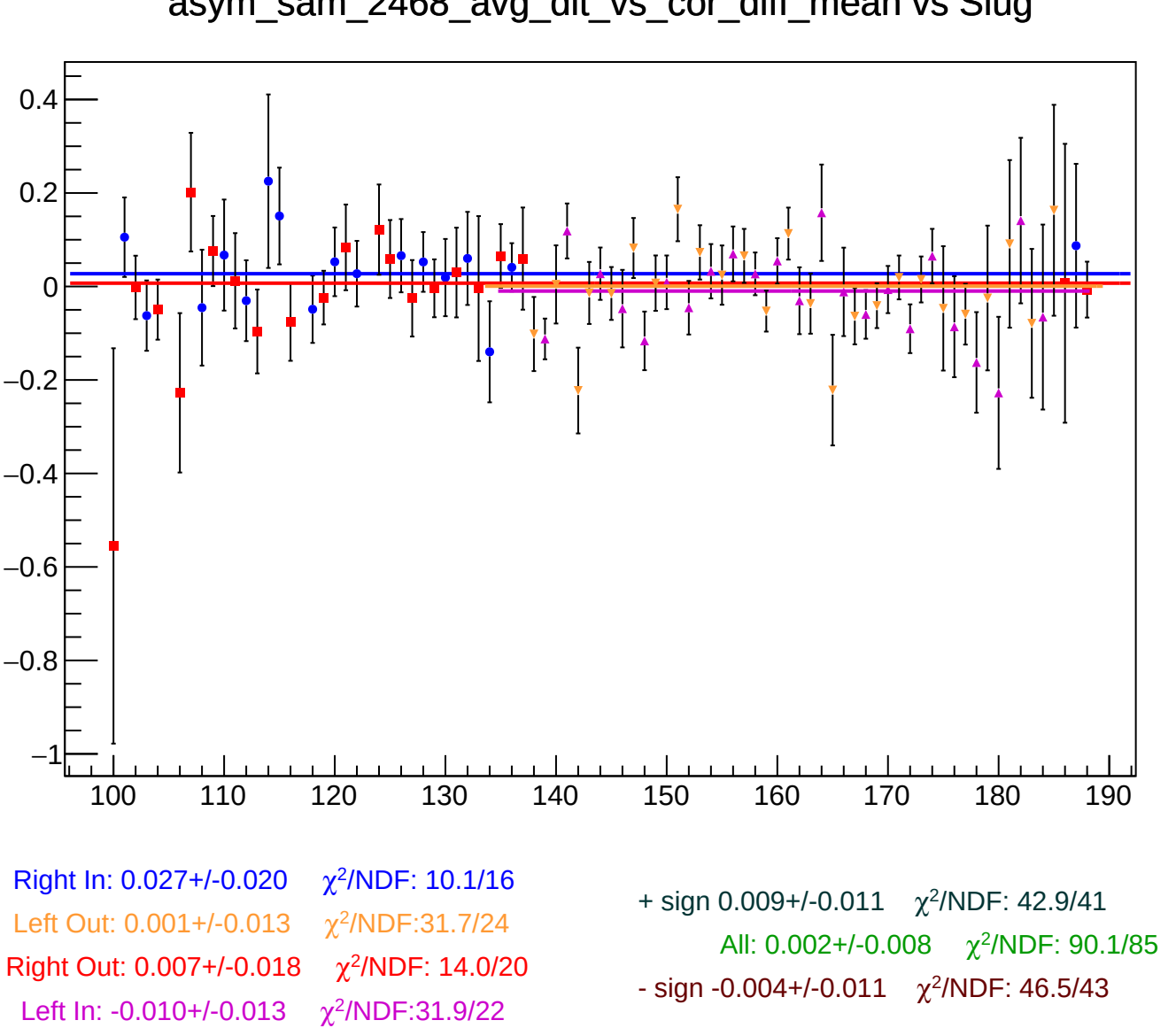
Right Out: 0.000+/-0.000 χ^2/NDF: 1155304.9/20

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

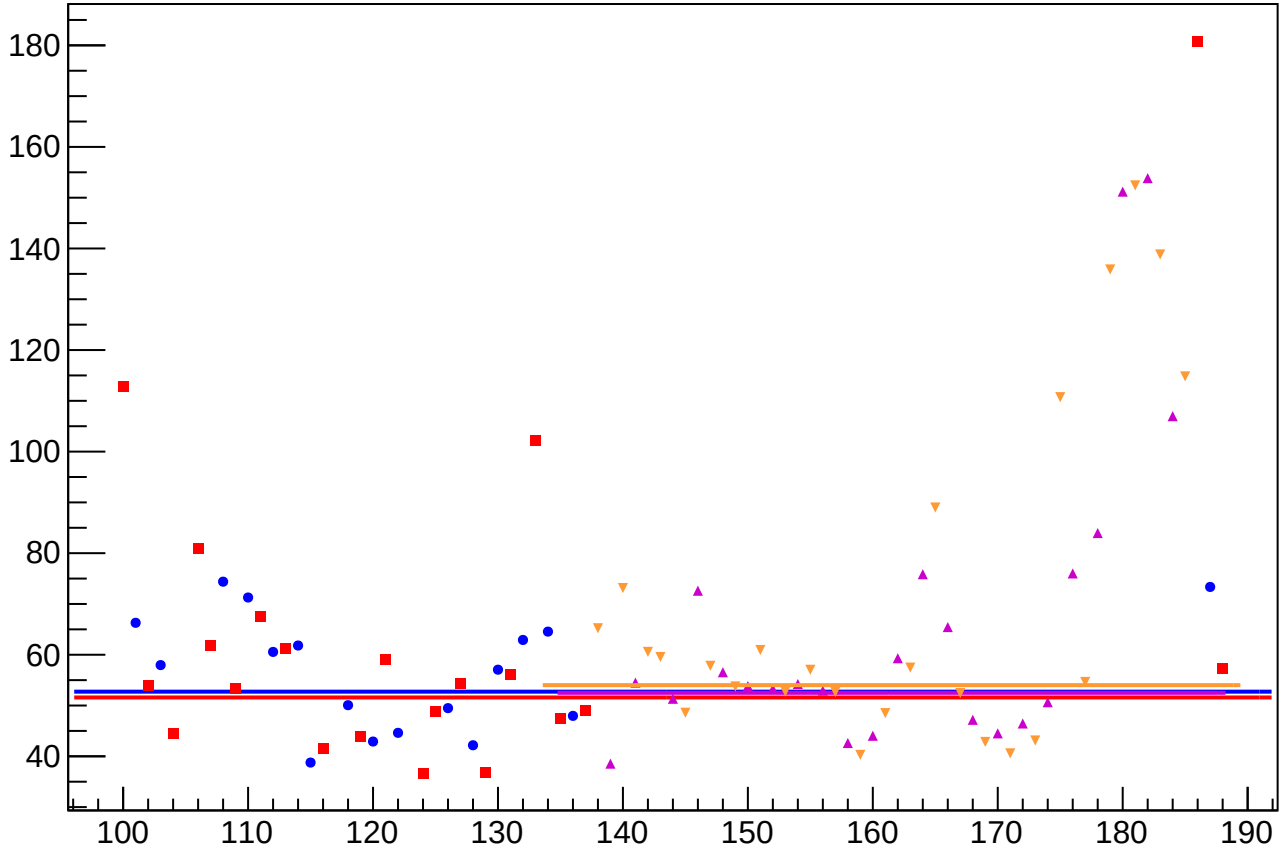
+ sign 0.000+/-0.000 χ^2/NDF: 5204242.3/41

All: 0.000+/-0.000 χ^2/NDF: 11459497.3/85

- sign 0.000+/-0.000 χ^2/NDF: 6248626.0/43


asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.027+/-0.020 χ²/NDF: 10.1/16
Left Out: 0.001+/-0.013 χ²/NDF:31.7/24
Right Out: 0.007+/-0.018 χ²/NDF: 14.0/20
Left In: -0.010+/-0.013 χ²/NDF:31.9/22
+ sign 0.009+/-0.011 χ²/NDF: 42.9/41
All: 0.002+/-0.008 χ²/NDF: 90.1/85
- sign -0.004+/-0.011 χ²/NDF: 46.5/43

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.730+/-0.014 χ^2/NDF: 446116.2/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

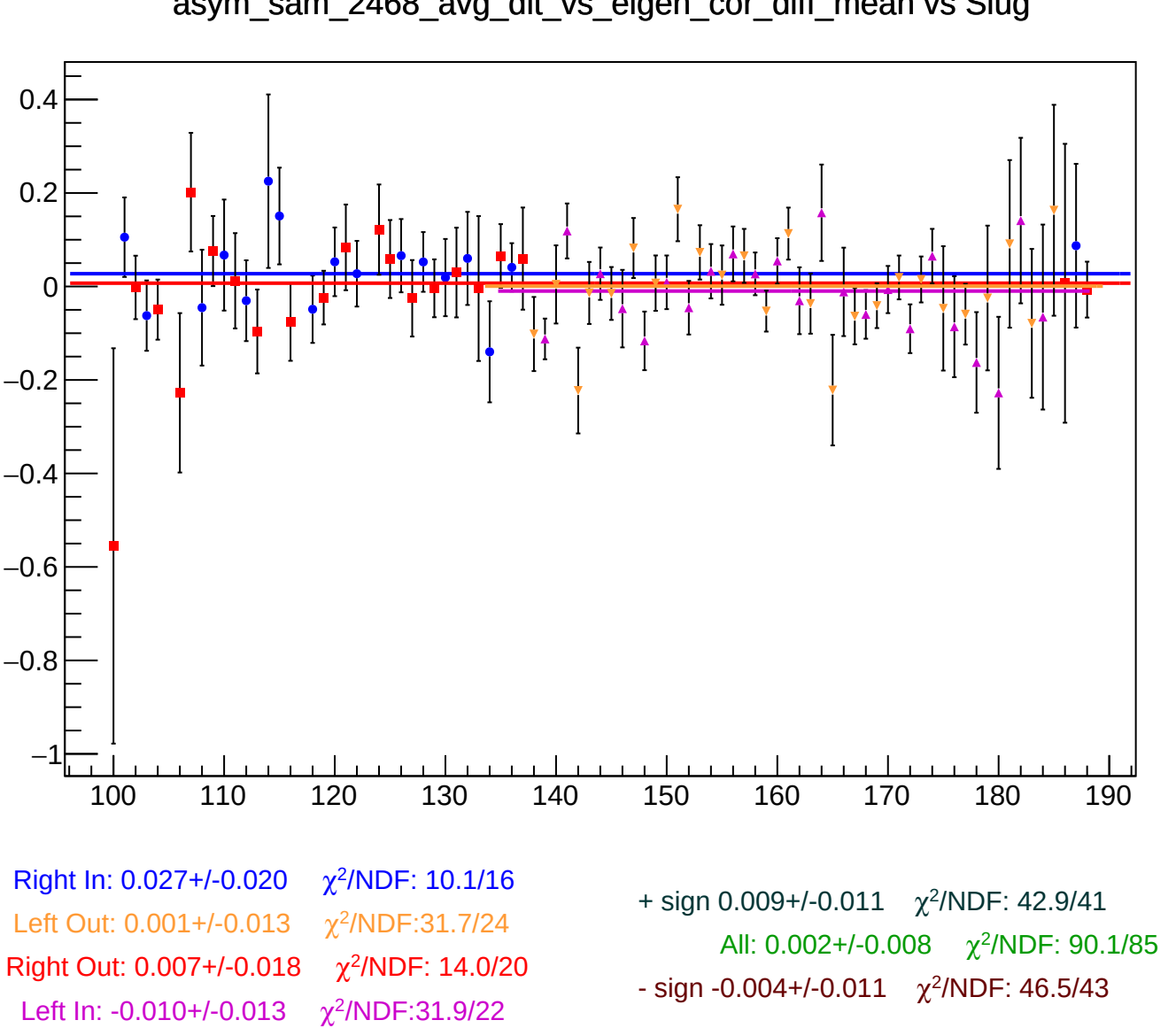
Right Out: 51.588+/-0.013 χ^2/NDF: 1077308.6/20

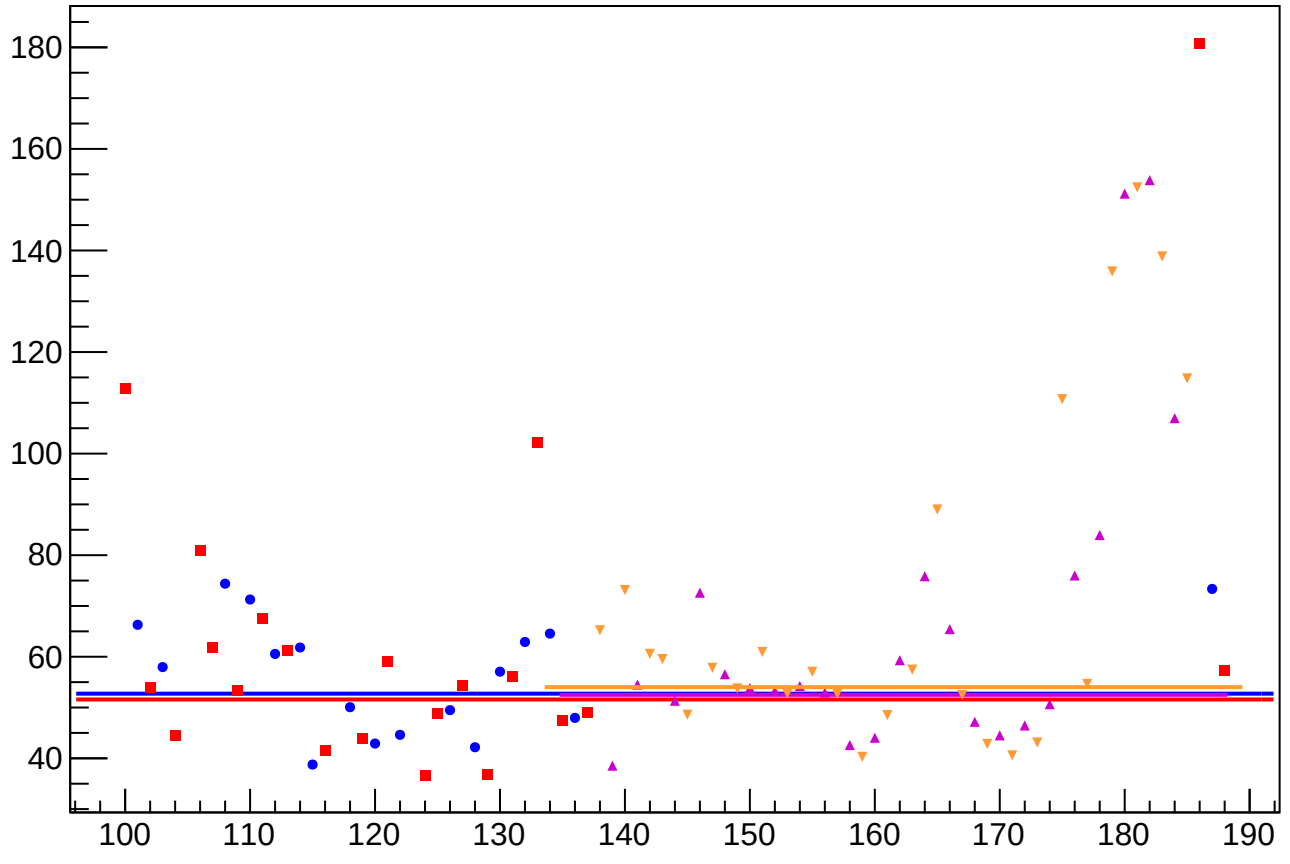
Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.630+/-0.008 χ^2/NDF: 3679291.3/41

All: 52.890+/-0.005 χ^2/NDF: 7334935.3/85

- sign 52.193+/-0.008 χ^2/NDF: 3638309.8/43


asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.027+/-0.020 χ²/NDF: 10.1/16
Left Out: 0.001+/-0.013 χ²/NDF:31.7/24
Right Out: 0.007+/-0.018 χ²/NDF: 14.0/20
Left In: -0.010+/-0.013 χ²/NDF:31.9/22
+ sign 0.009+/-0.011 χ²/NDF: 42.9/41
All: 0.002+/-0.008 χ²/NDF: 90.1/85
- sign -0.004+/-0.011 χ²/NDF: 46.5/43



Right In: 52.730+/-0.014 χ^2/NDF: 446116.2/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

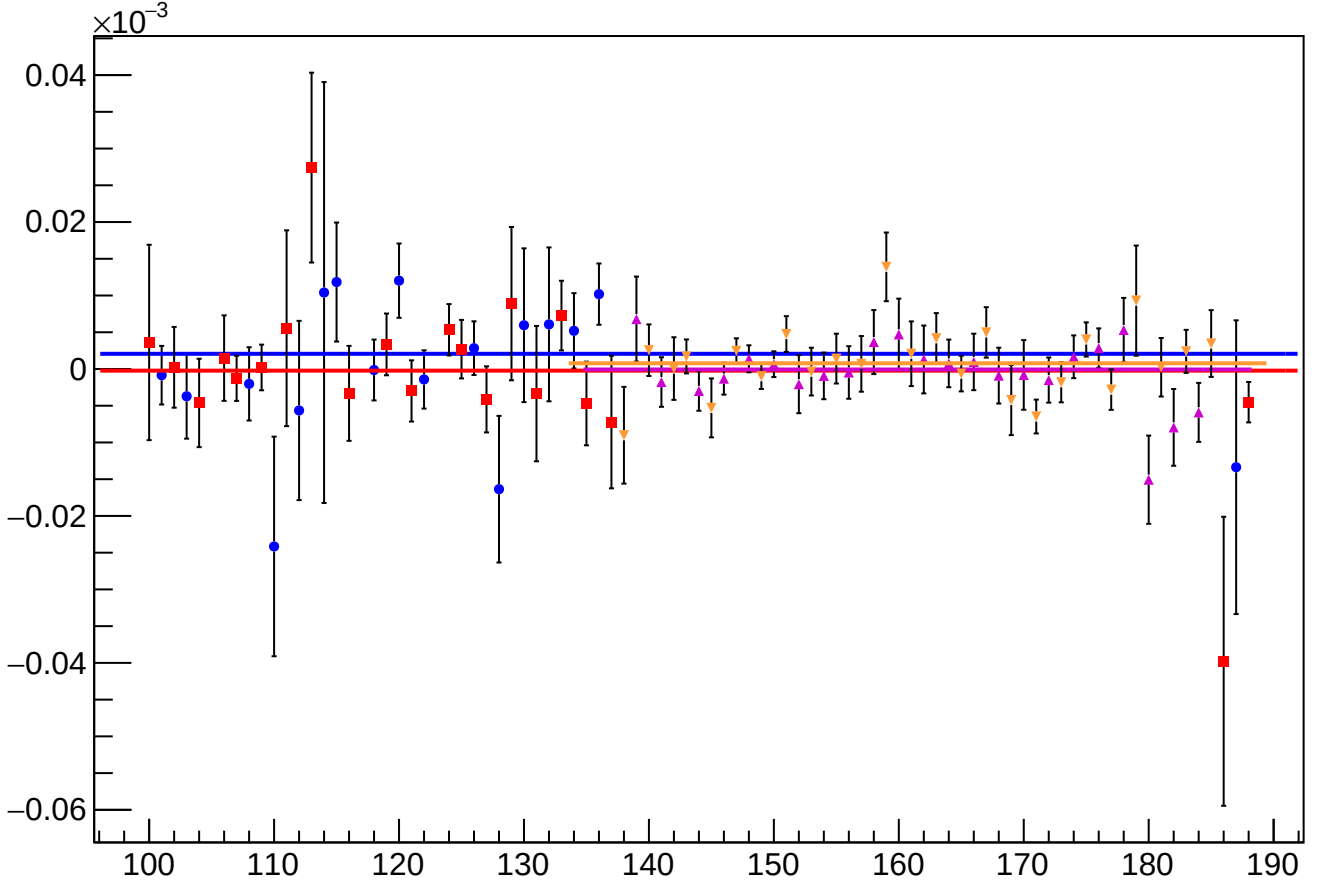
Right Out: 51.588+/-0.013 χ^2/NDF: 1077308.6/20

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.630+/-0.008 χ^2/NDF: 3679291.3/41

All: 52.890+/-0.005 χ^2/NDF: 7334935.3/85

- sign 52.193+/-0.008 χ^2/NDF: 3638309.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

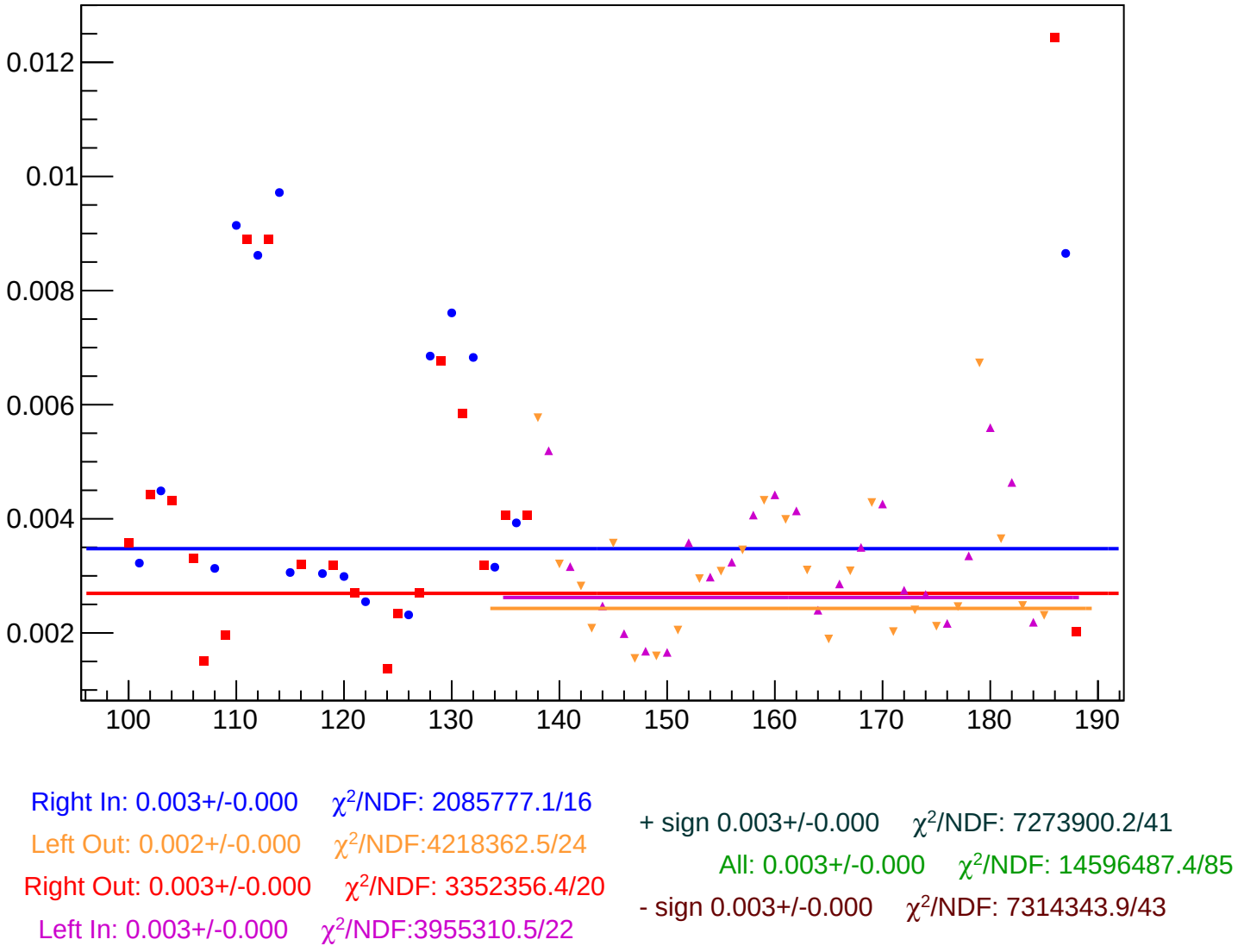
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/20

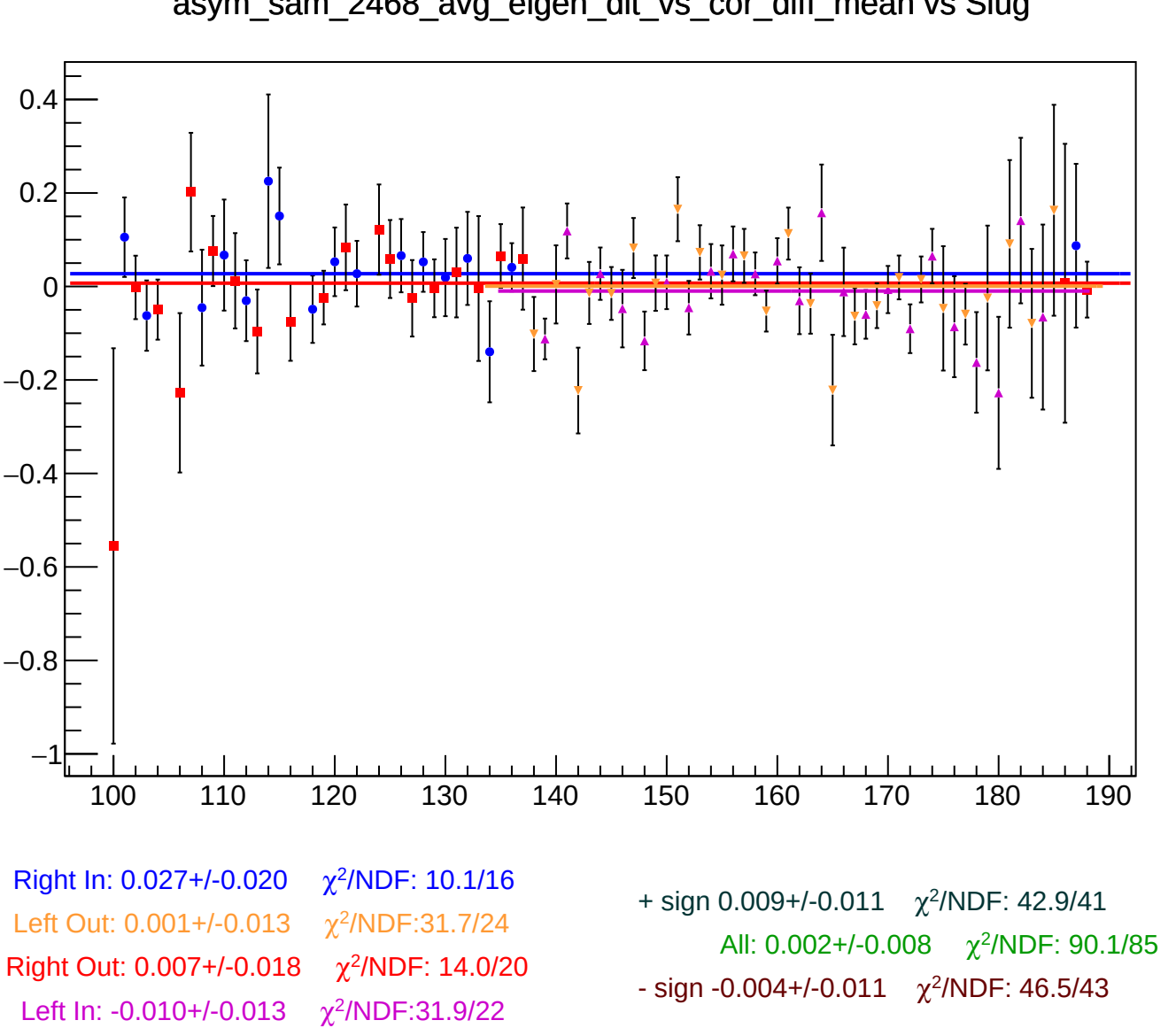
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

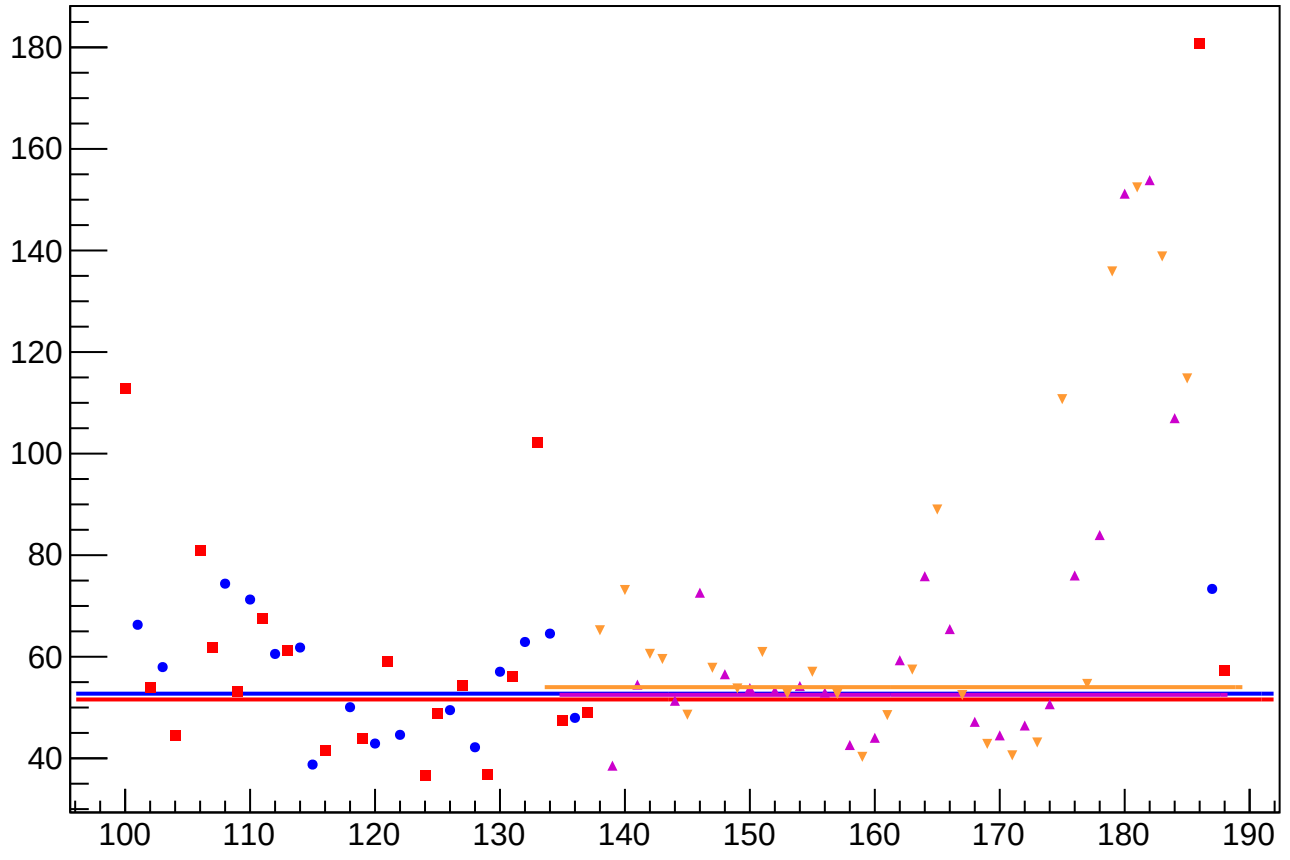
+ sign 0.000+/-0.000 χ^2/NDF: 59.5/41

All: 0.000+/-0.000 χ^2/NDF: 103.5/85

- sign -0.000+/-0.000 χ^2/NDF: 42.1/43


asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.003+/-0.000 χ²/NDF: 2085777.1/16
Left Out: 0.002+/-0.000 χ²/NDF:4218362.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 3352356.4/20
Left In: 0.003+/-0.000 χ²/NDF:3955310.5/22
+ sign 0.003+/-0.000 χ²/NDF: 7273900.2/41
All: 0.003+/-0.000 χ²/NDF: 14596487.4/85
- sign 0.003+/-0.000 χ²/NDF: 7314343.9/43


asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.027+/-0.020 χ²/NDF: 10.1/16
Left Out: 0.001+/-0.013 χ²/NDF:31.7/24
Right Out: 0.007+/-0.018 χ²/NDF: 14.0/20
Left In: -0.010+/-0.013 χ²/NDF:31.9/22
+ sign 0.009+/-0.011 χ²/NDF: 42.9/41
All: 0.002+/-0.008 χ²/NDF: 90.1/85
- sign -0.004+/-0.011 χ²/NDF: 46.5/43



Right In: 52.729+/-0.014 χ^2/NDF: 446081.0/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

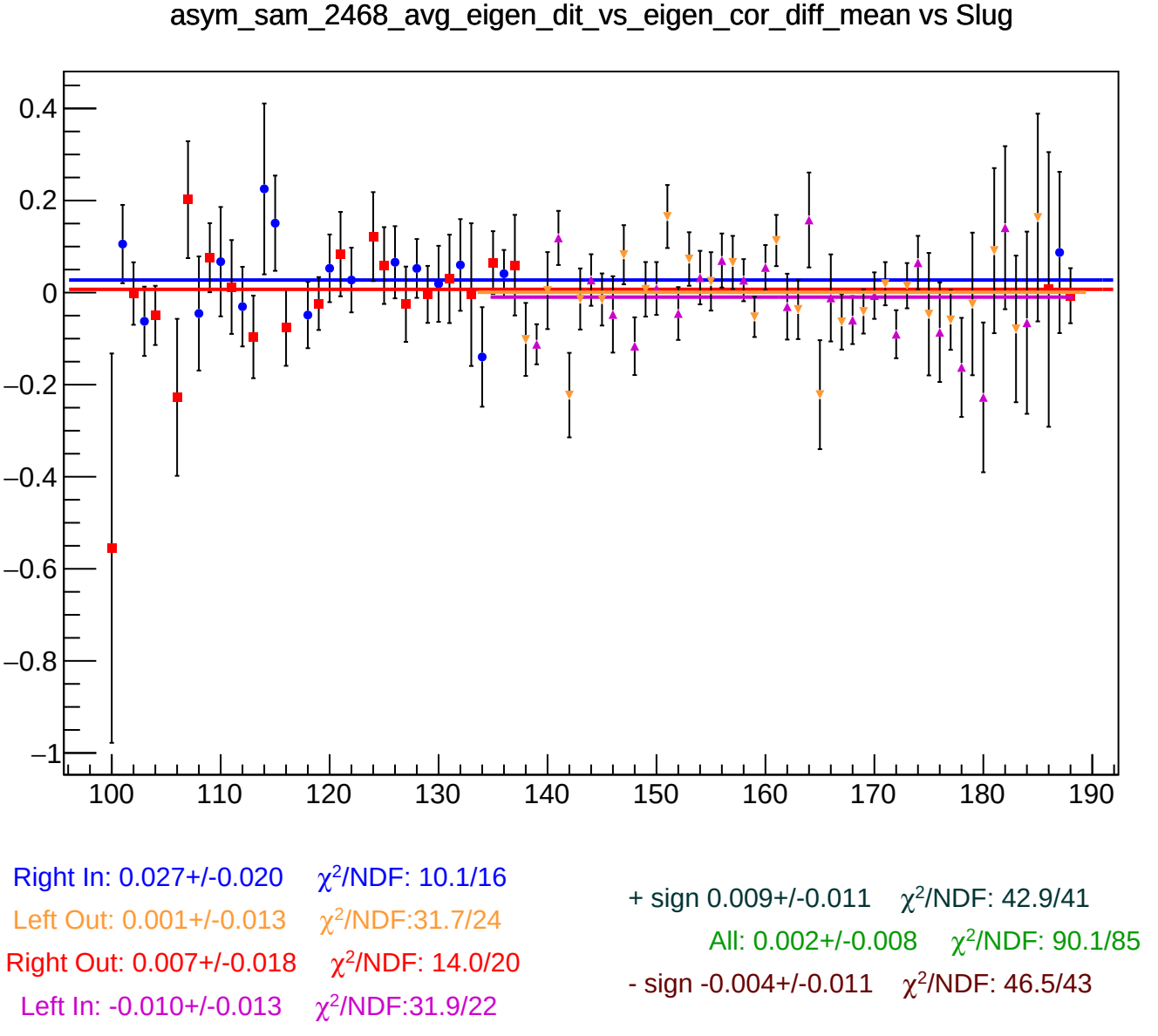
Right Out: 51.587+/-0.013 χ^2/NDF: 1077336.3/20

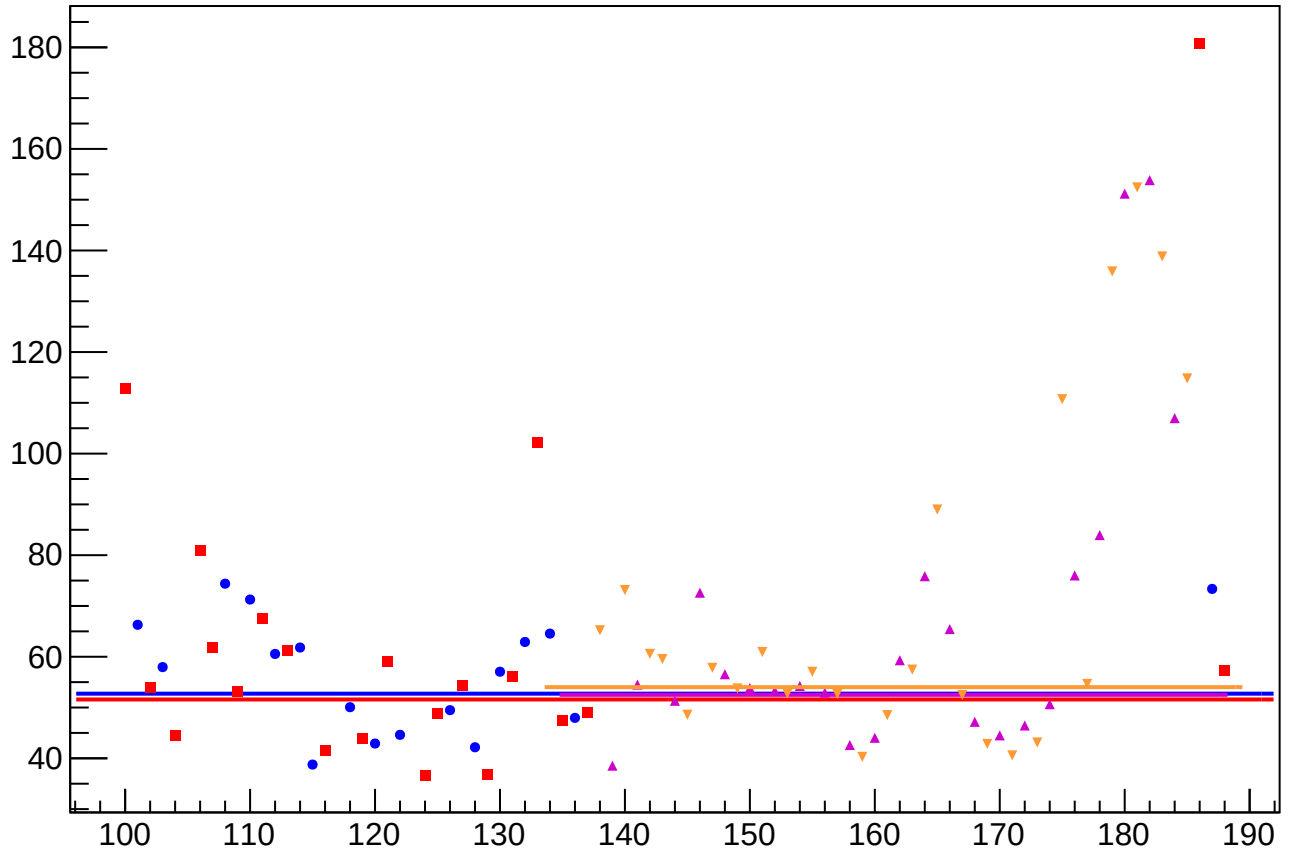
Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.630+/-0.008 χ^2/NDF: 3679287.8/41

All: 52.890+/-0.005 χ^2/NDF: 7335011.9/85

- sign 52.192+/-0.008 χ^2/NDF: 3638388.8/43


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.027+/-0.020 χ²/NDF: 10.1/16
Left Out: 0.001+/-0.013 χ²/NDF:31.7/24
Right Out: 0.007+/-0.018 χ²/NDF: 14.0/20
Left In: -0.010+/-0.013 χ²/NDF:31.9/22
+ sign 0.009+/-0.011 χ²/NDF: 42.9/41
All: 0.002+/-0.008 χ²/NDF: 90.1/85
- sign -0.004+/-0.011 χ²/NDF: 46.5/43



Right In: 52.729+/-0.014 χ^2/NDF: 446081.0/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

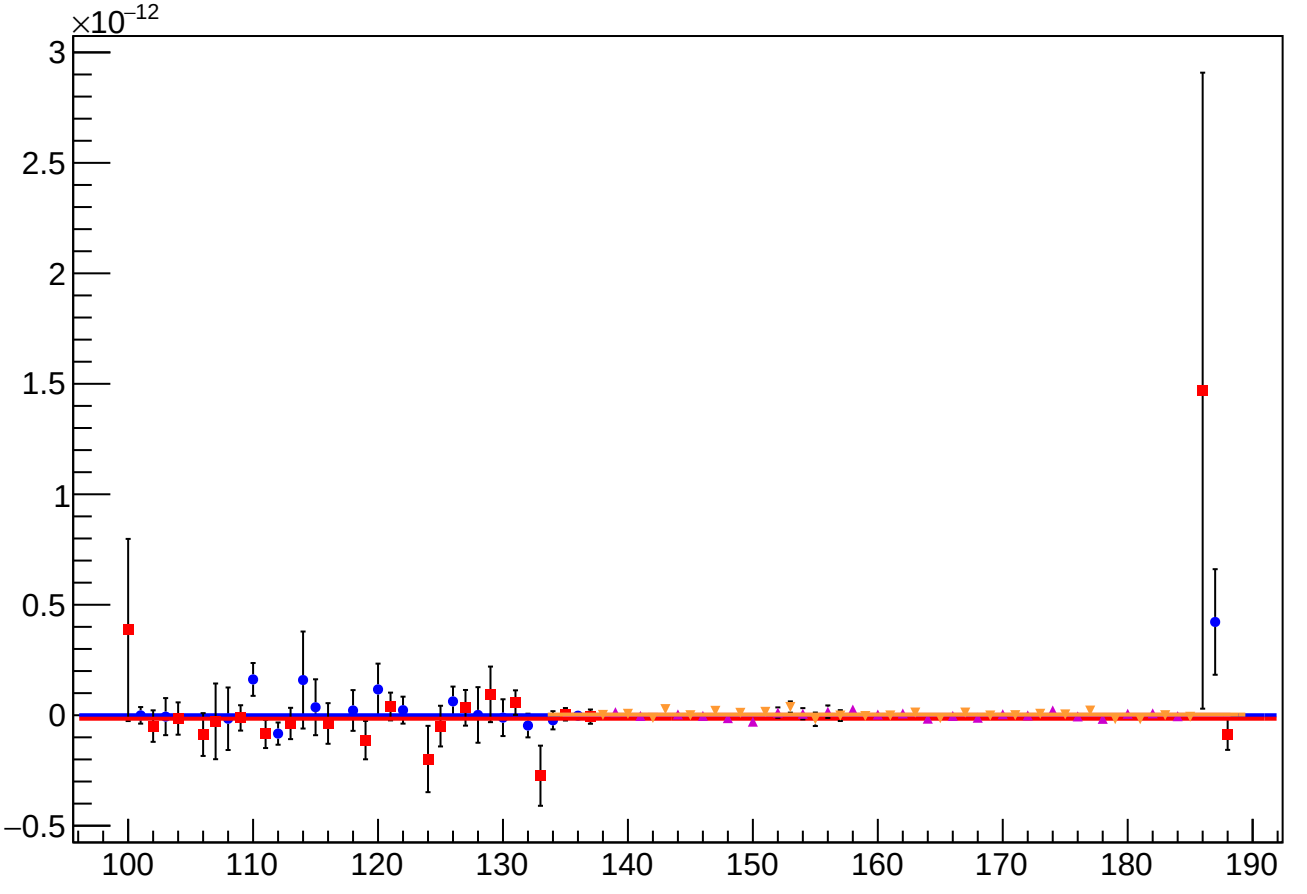
Right Out: 51.587+/-0.013 χ^2/NDF: 1077336.3/20

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.630+/-0.008 χ^2/NDF: 3679287.8/41

All: 52.890+/-0.005 χ^2/NDF: 7335011.9/85

- sign 52.192+/-0.008 χ^2/NDF: 3638388.8/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

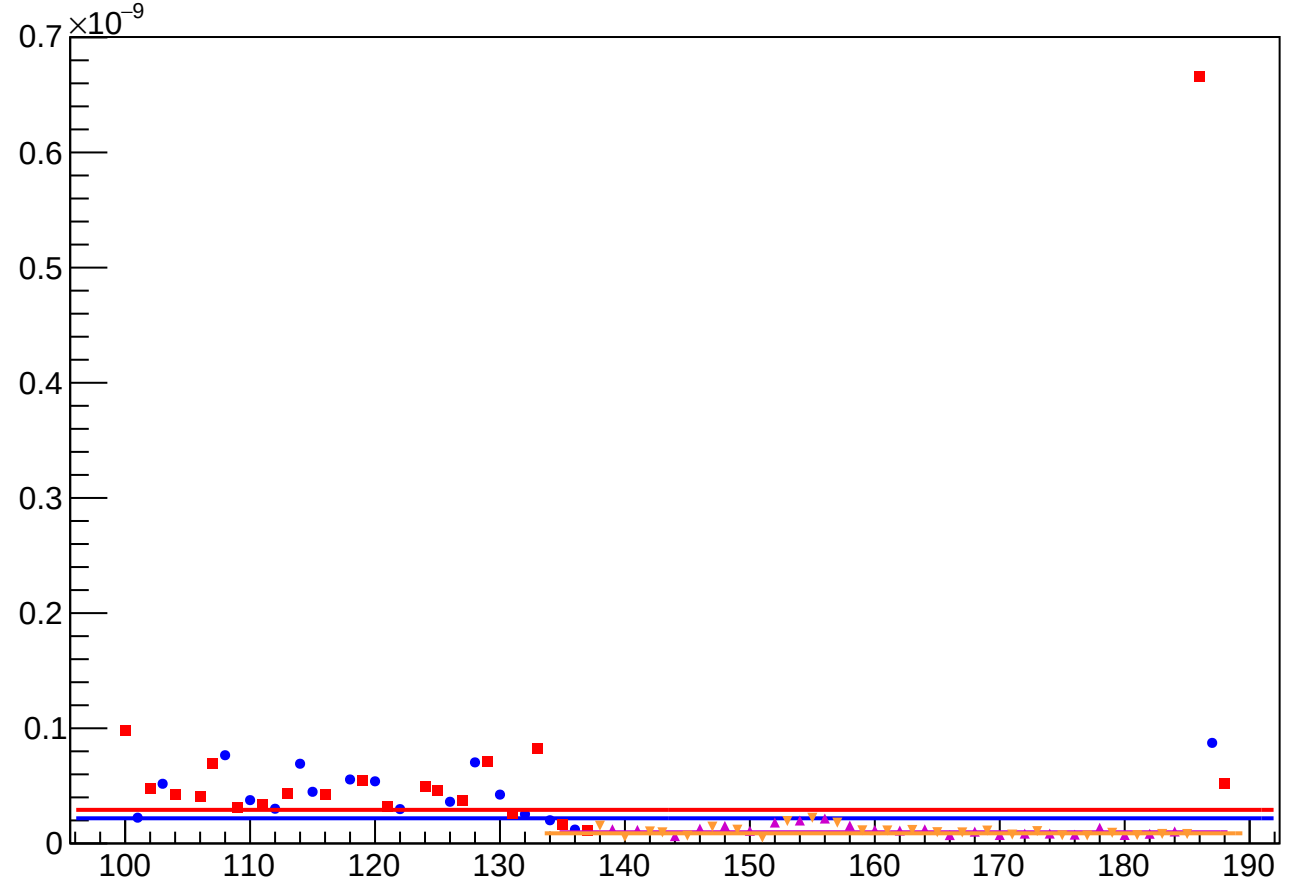
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/20

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.3/41

All: 0.000+/-0.000 χ^2/NDF: 69.0/85

- sign 0.000+/-0.000 χ^2/NDF: 32.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 2673350.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2994009.7/20

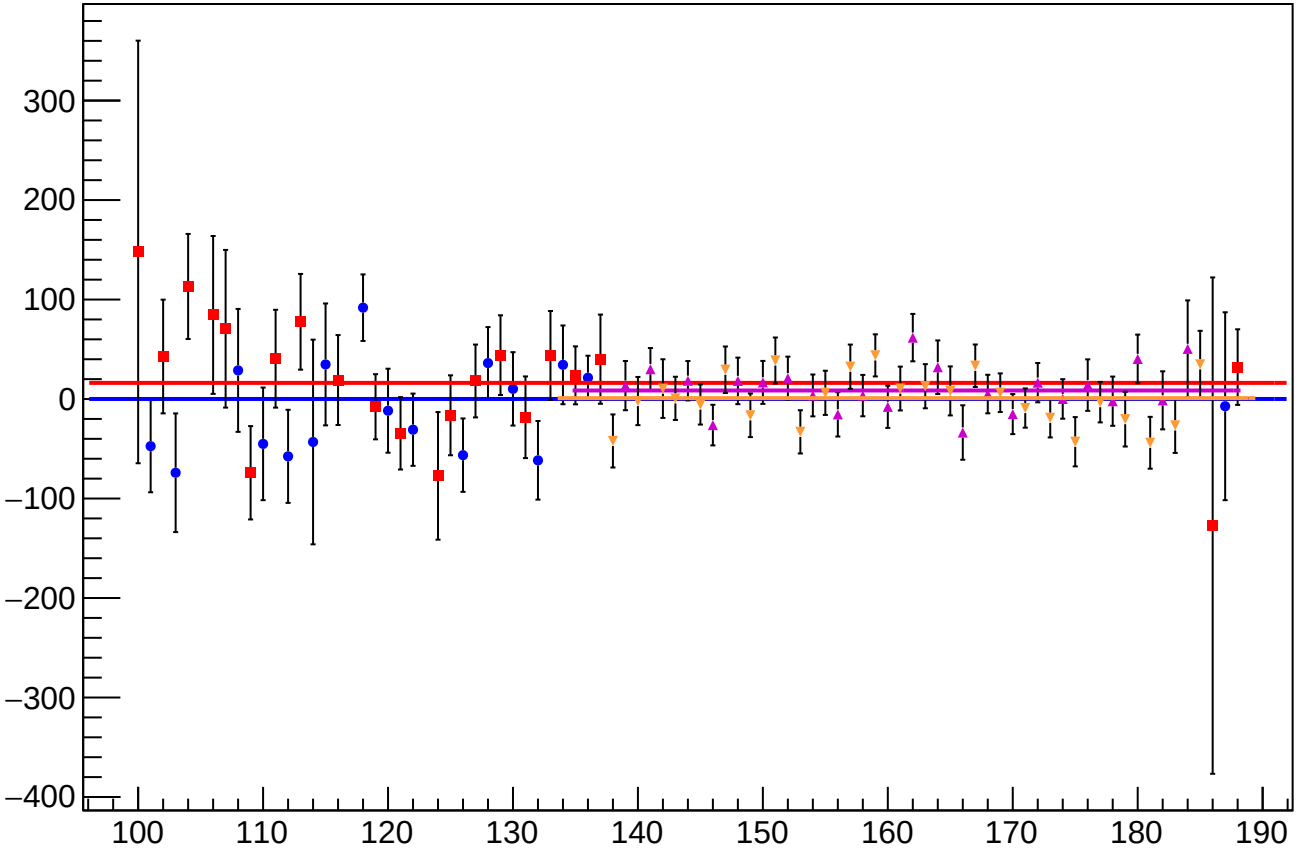
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7453767.4/41

All: 0.000+/-0.000 χ^2/NDF: 16524144.9/85

- sign 0.000+/-0.000 χ^2/NDF: 8910429.0/43

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.072+/-9.991 χ^2/NDF: 21.3/16

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 16.248+/-9.904 χ^2/NDF: 18.5/20

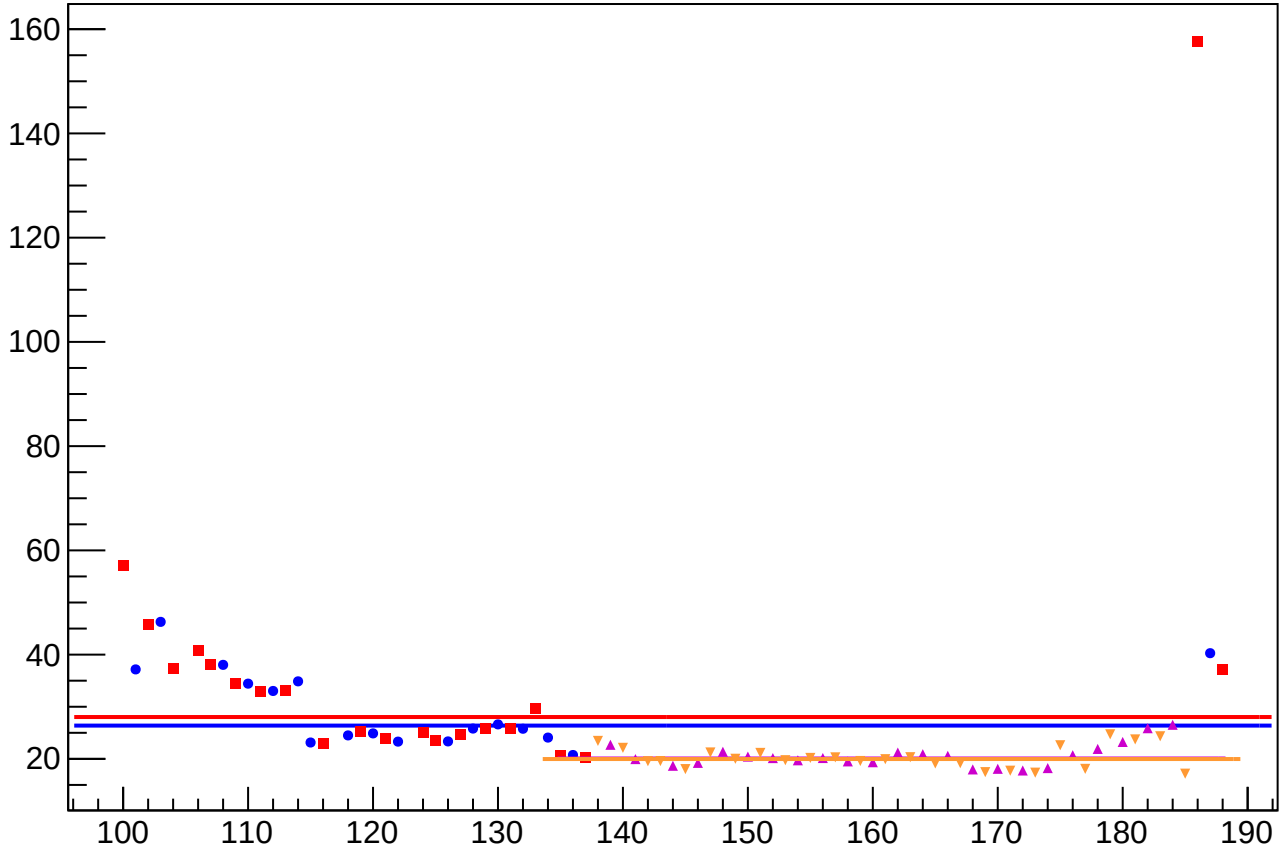
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.770+/-4.159 χ^2/NDF: 50.6/41

All: 5.279+/-2.977 χ^2/NDF: 91.3/85

- sign 10.018+/-4.263 χ^2/NDF: 38.3/43

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.384+/-0.007 χ^2/NDF: 719804.2/16

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

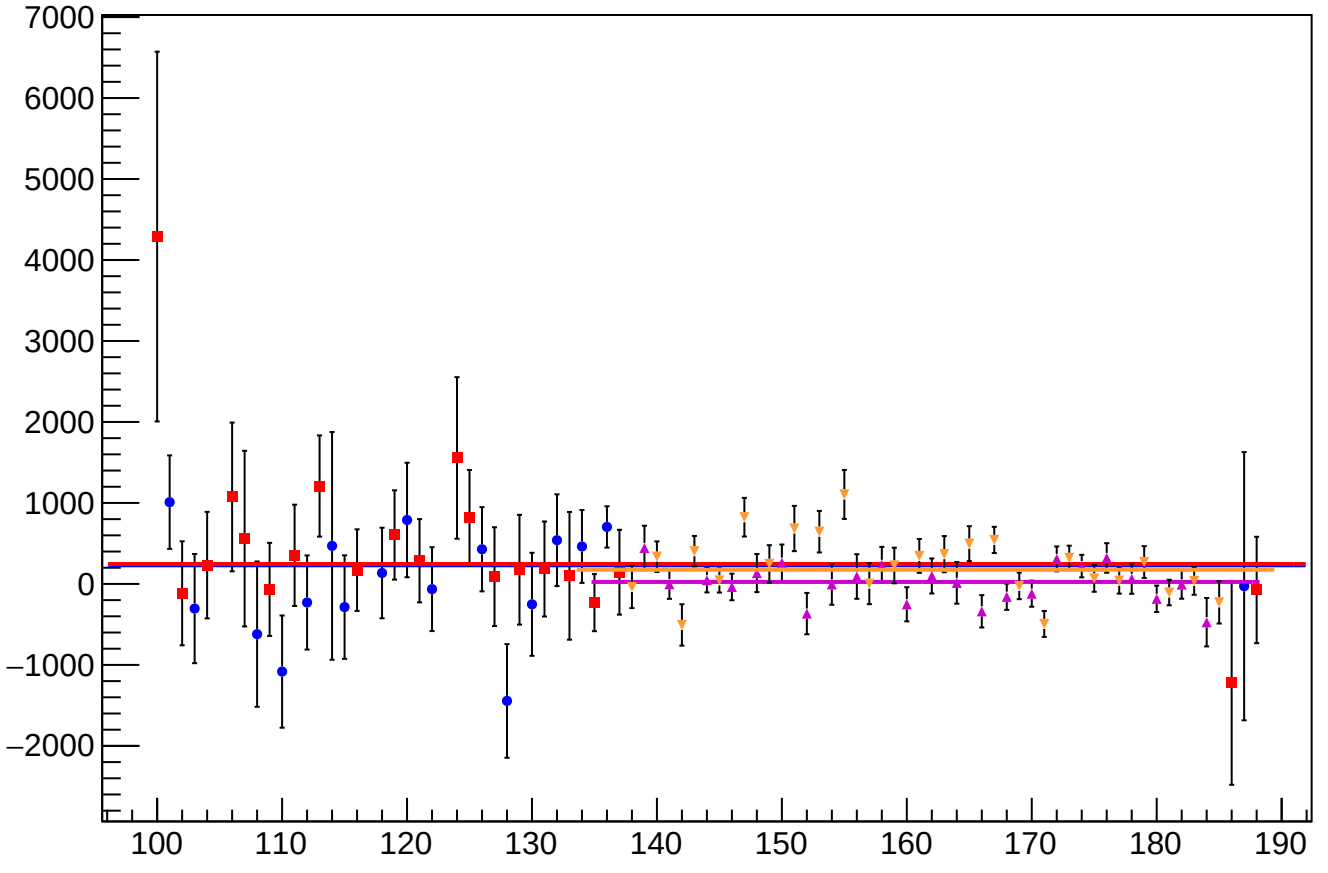
Right Out: 28.027+/-0.007 χ^2/NDF: 1423995.0/20

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.080+/-0.003 χ^2/NDF: 1788337.7/41

All: 21.308+/-0.002 χ^2/NDF: 4577557.4/85

- sign 21.547+/-0.003 χ^2/NDF: 2776949.4/43



Right In: 230.379+/-134.426 χ^2/NDF: 19.7/16

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

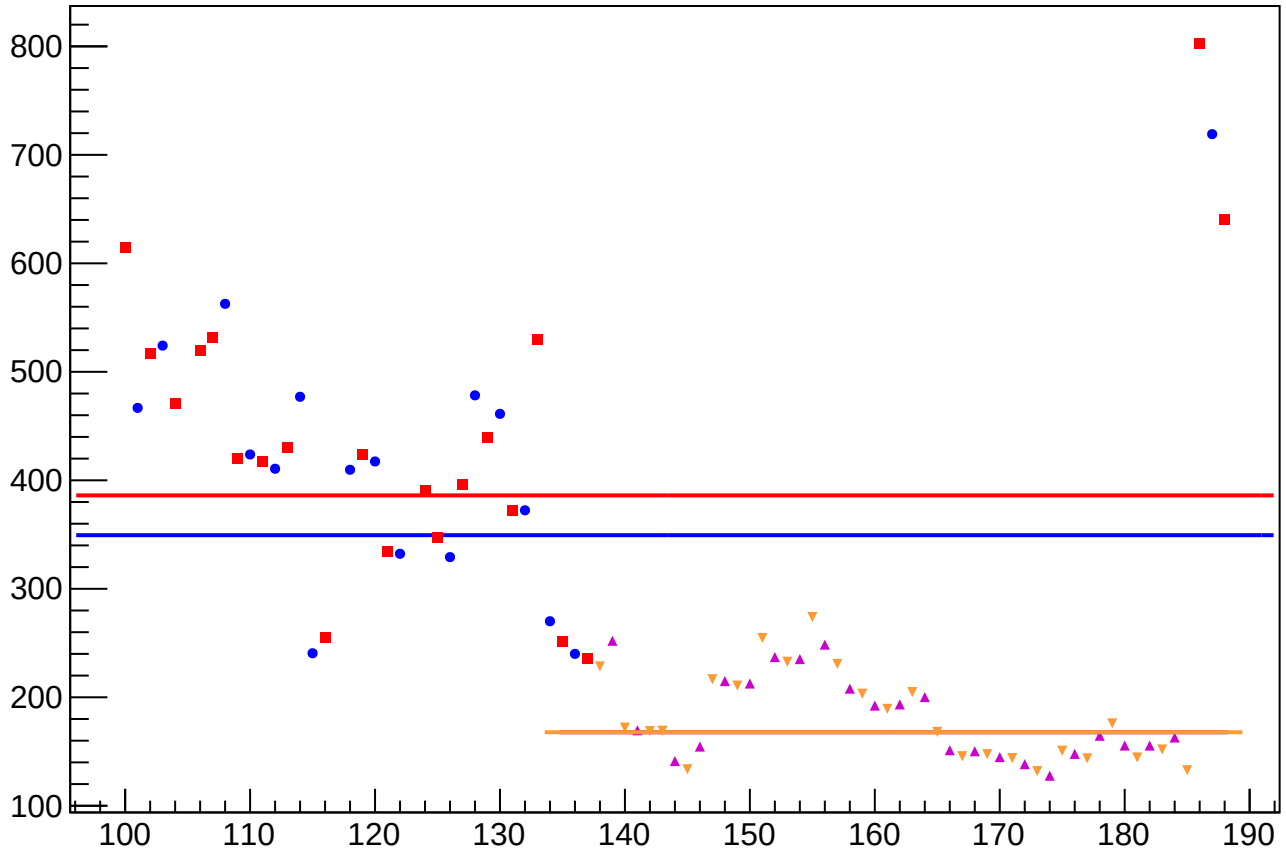
Right Out: 246.316+/-136.089 χ^2/NDF: 13.7/20

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 179.026+/-37.499 χ^2/NDF: 91.0/41

All: 112.344+/-26.842 χ^2/NDF: 140.6/85

- sign 42.279+/-38.439 χ^2/NDF: 43.1/43



Right In: 349.421+/-0.095 χ^2/NDF: 1158345.2/16

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 386.106+/-0.096 χ^2/NDF: 1465930.1/20

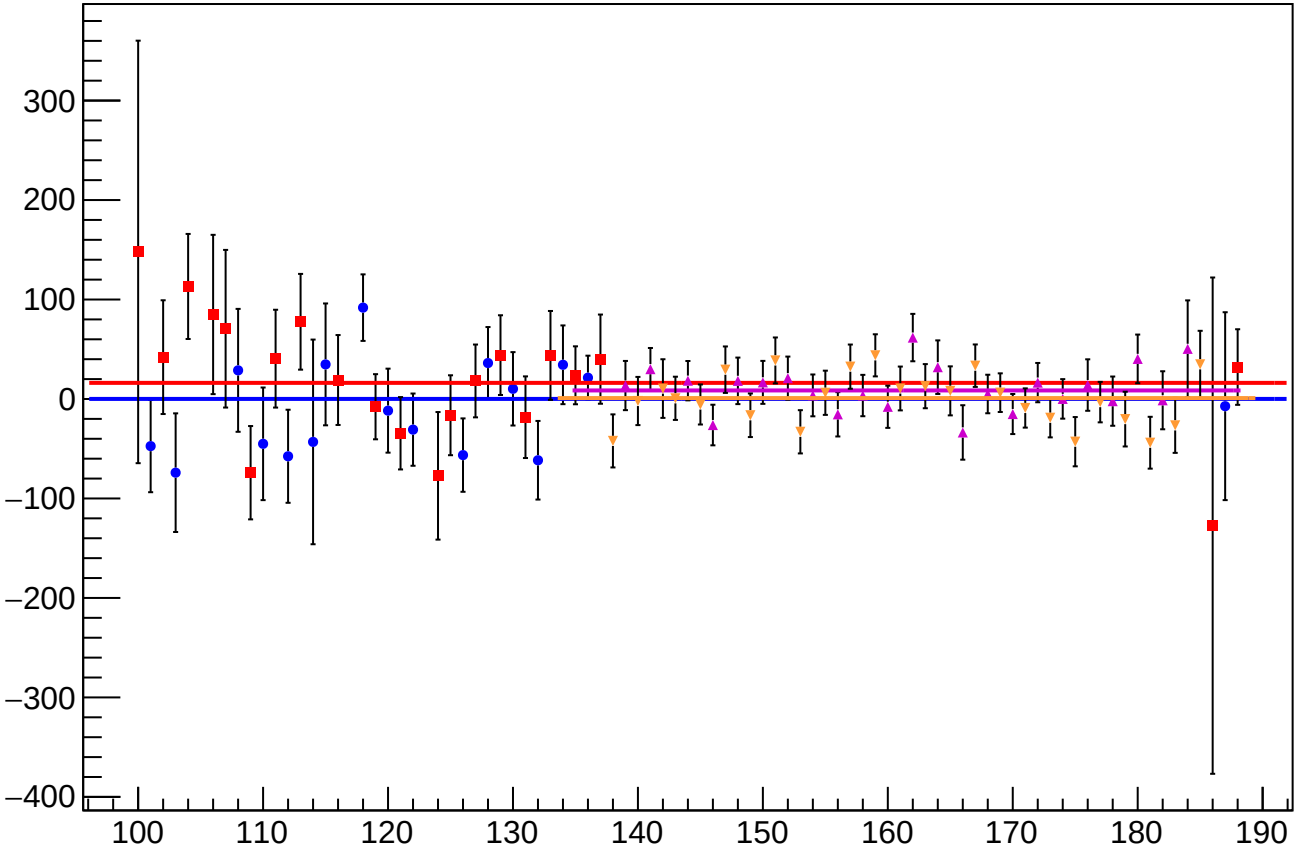
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 181.891+/-0.027 χ^2/NDF: 6105041.4/41

All: 183.489+/-0.019 χ^2/NDF: 13719750.4/85

- sign 185.169+/-0.027 χ^2/NDF: 7607258.3/43

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.075+/-9.991 χ^2/NDF: 21.3/16

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 16.210+/-9.905 χ^2/NDF: 18.4/20

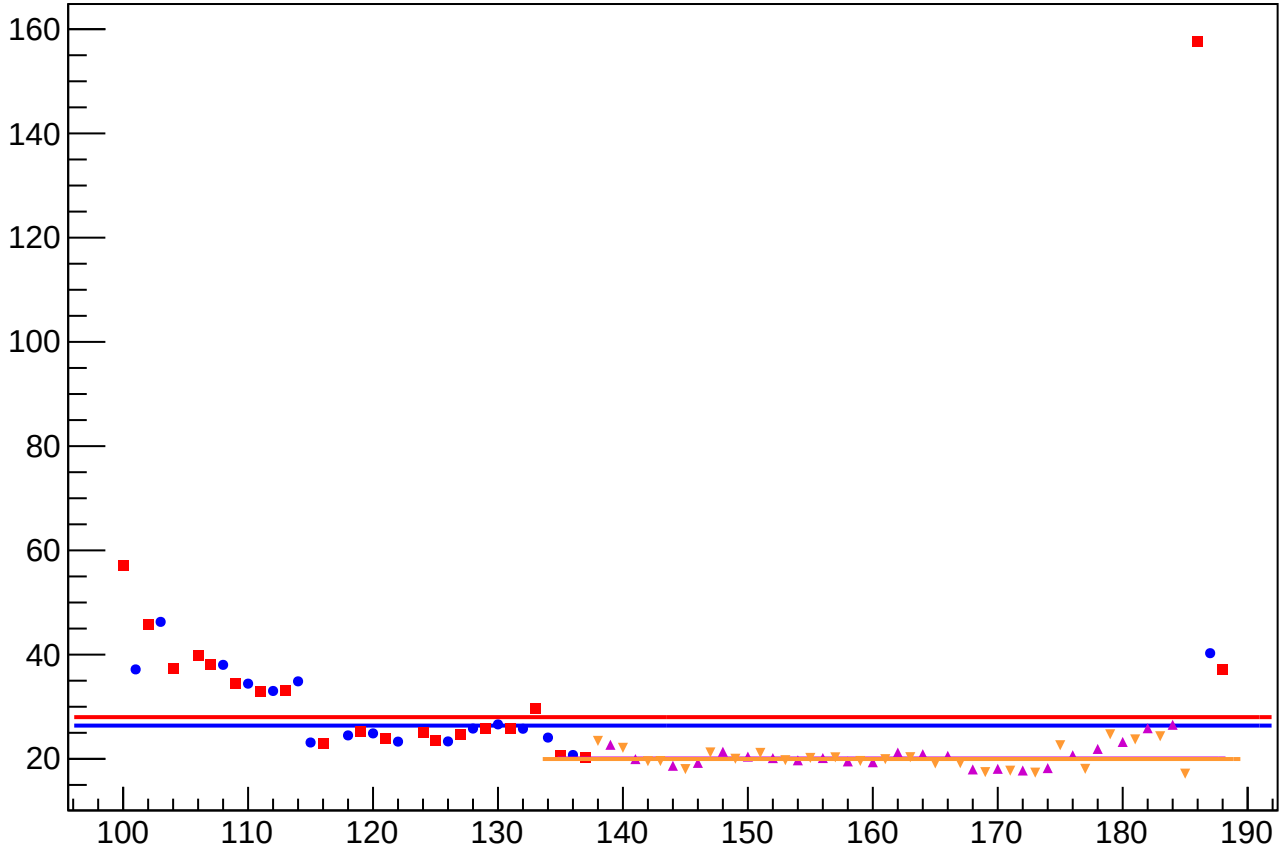
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.769+/-4.159 χ^2/NDF: 50.6/41

All: 5.275+/-2.977 χ^2/NDF: 91.3/85

- sign 10.010+/-4.264 χ^2/NDF: 38.3/43

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.384+/-0.007 χ^2/NDF: 719807.6/16

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

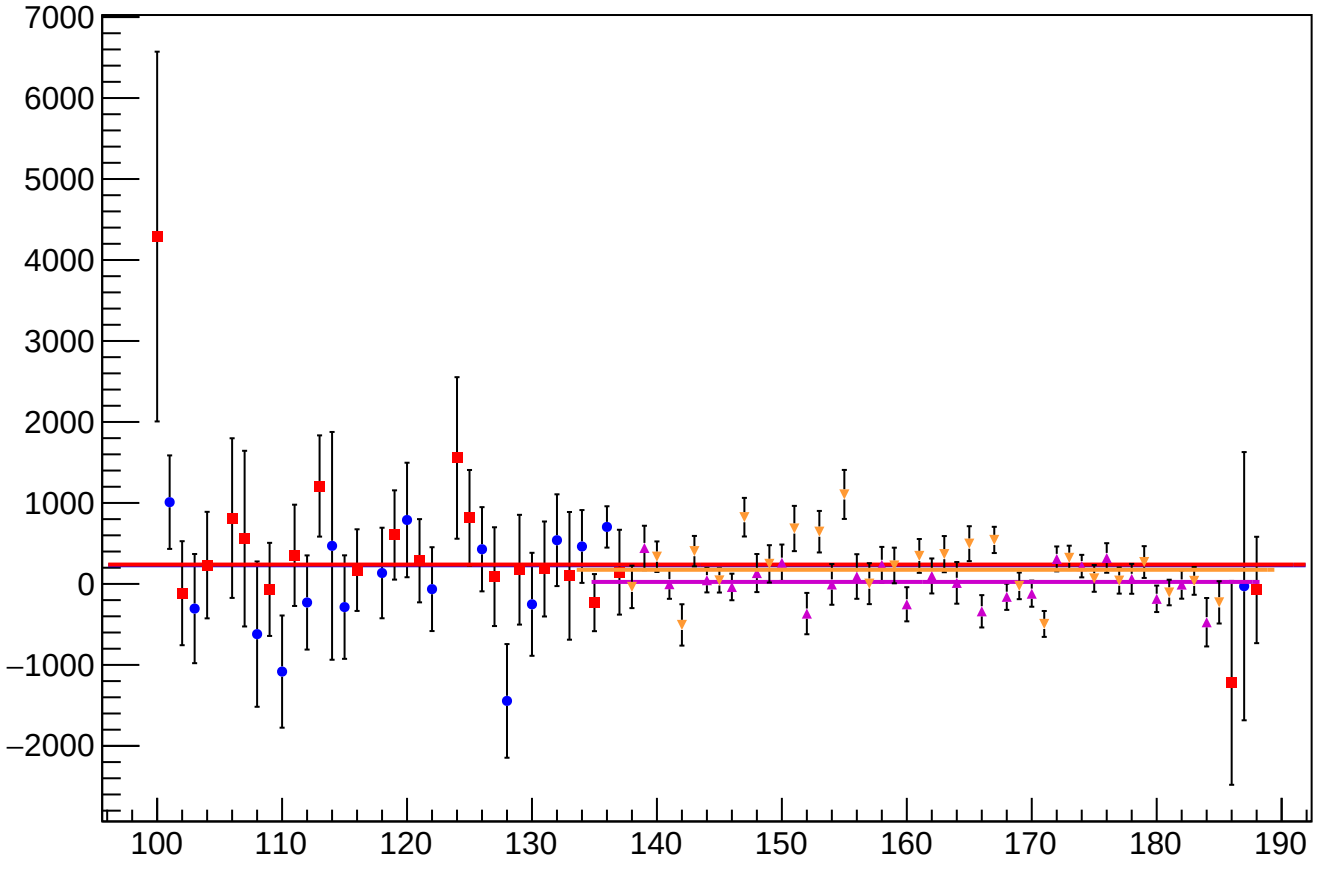
Right Out: 28.007+/-0.007 χ^2/NDF: 1414979.8/20

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

\+ sign 21.080+/-0.003 χ^2/NDF: 1788341.0/41

All: 21.306+/-0.002 χ^2/NDF: 4562756.9/85

\- sign 21.543+/-0.003 χ^2/NDF: 2762360.7/43



Right In: 230.371+/-134.426 χ^2/NDF: 19.7/16

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

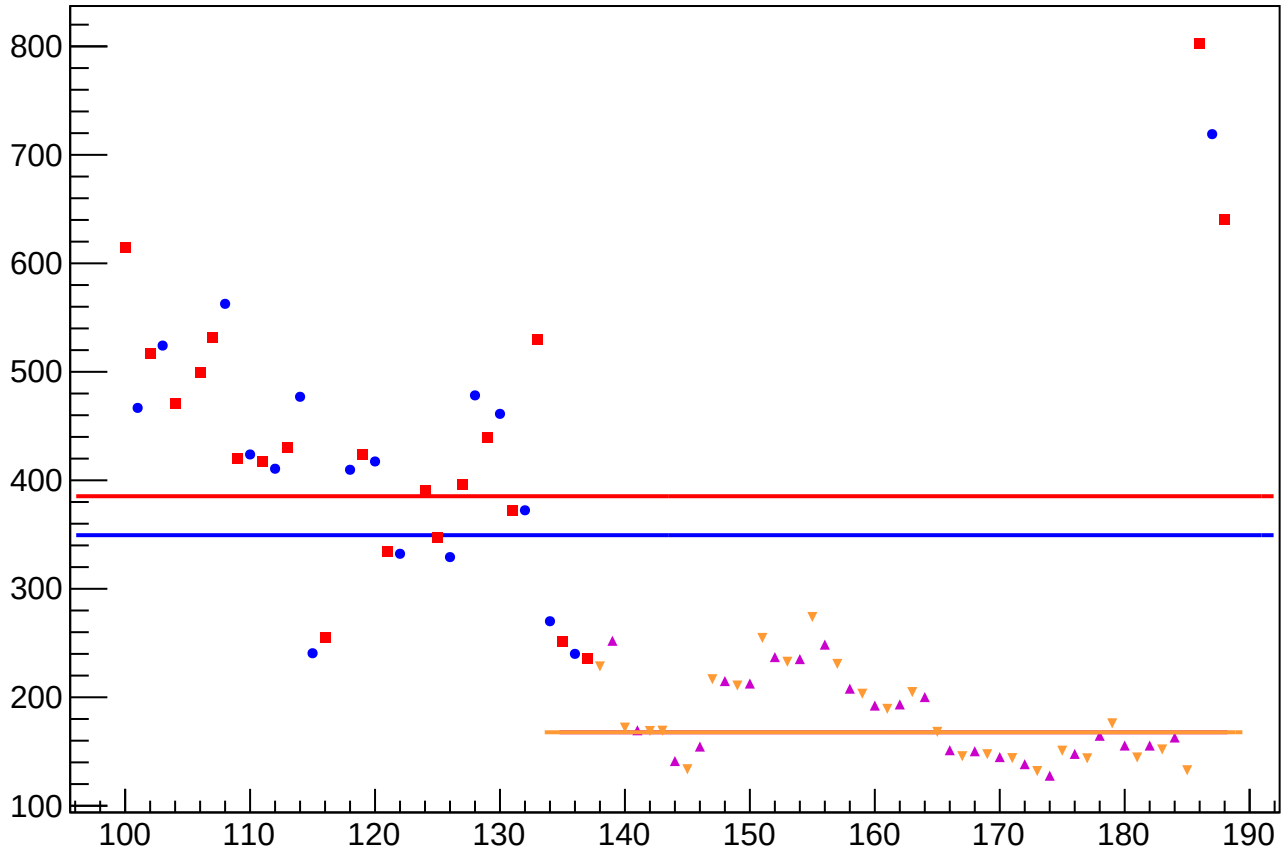
Right Out: 239.007+/-136.289 χ^2/NDF: 13.3/20

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 179.024+/-37.499 χ^2/NDF: 91.0/41

All: 112.045+/-26.843 χ^2/NDF: 140.0/85

- sign 41.650+/-38.443 χ^2/NDF: 42.4/43



Right In: 349.421+/-0.095 χ^2/NDF: 1158373.0/16

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 385.335+/-0.096 χ^2/NDF: 1450168.5/20

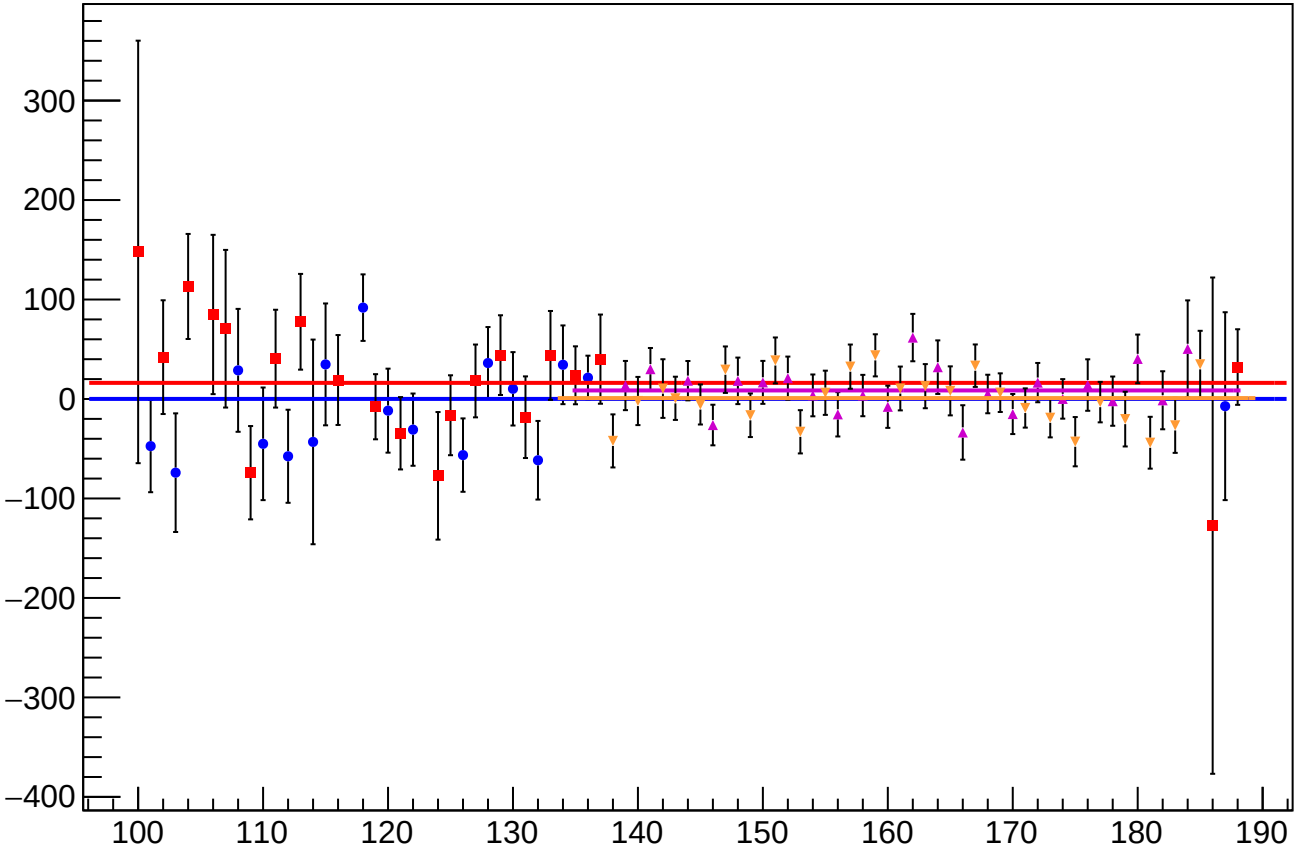
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 181.891+/-0.027 χ^2/NDF: 6105063.6/41

All: 183.436+/-0.019 χ^2/NDF: 13657444.8/85

- sign 185.060+/-0.027 χ^2/NDF: 7545414.9/43

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.075+/-9.991 χ^2/NDF: 21.3/16

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 16.210+/-9.905 χ^2/NDF: 18.4/20

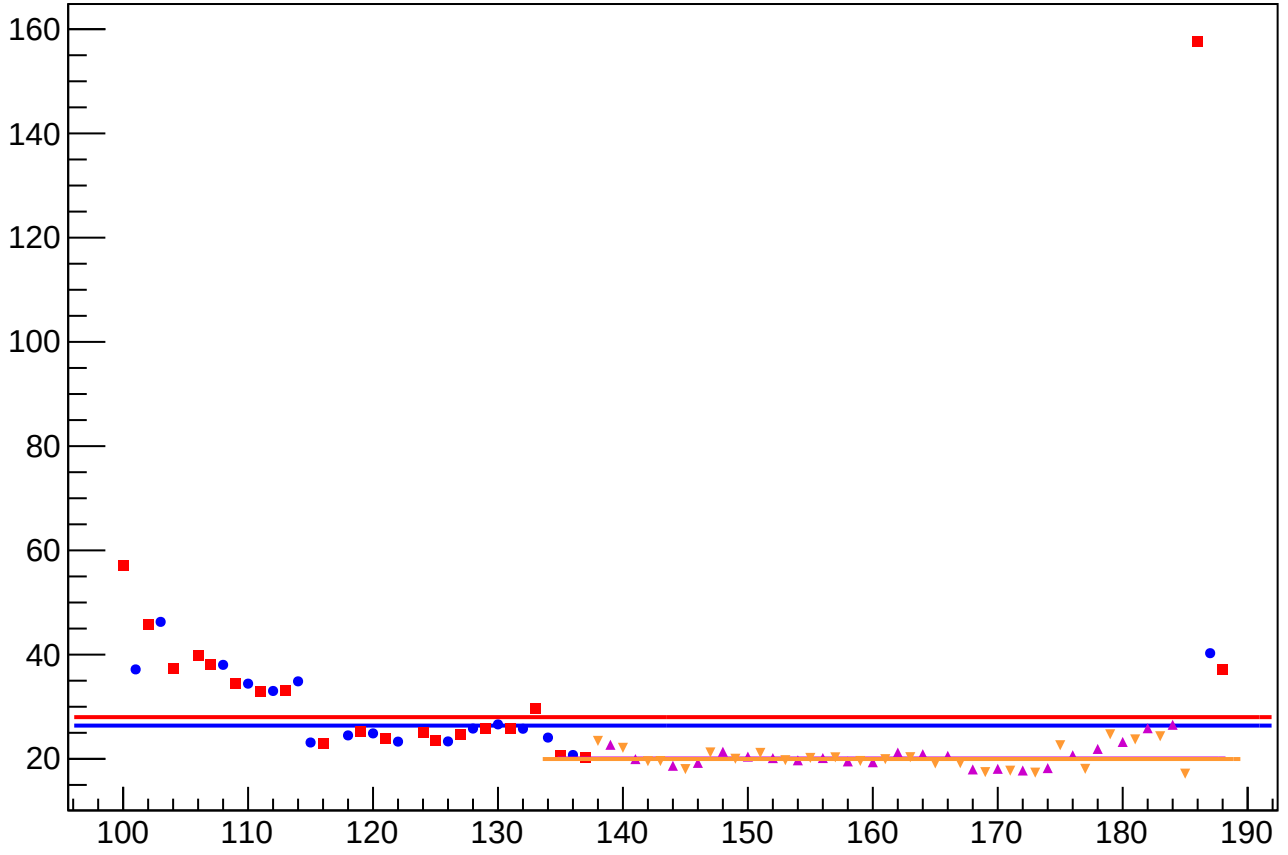
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.769+/-4.159 χ^2/NDF: 50.6/41

All: 5.275+/-2.977 χ^2/NDF: 91.3/85

- sign 10.010+/-4.264 χ^2/NDF: 38.3/43

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.384+/-0.007 χ^2/NDF: 719807.6/16

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

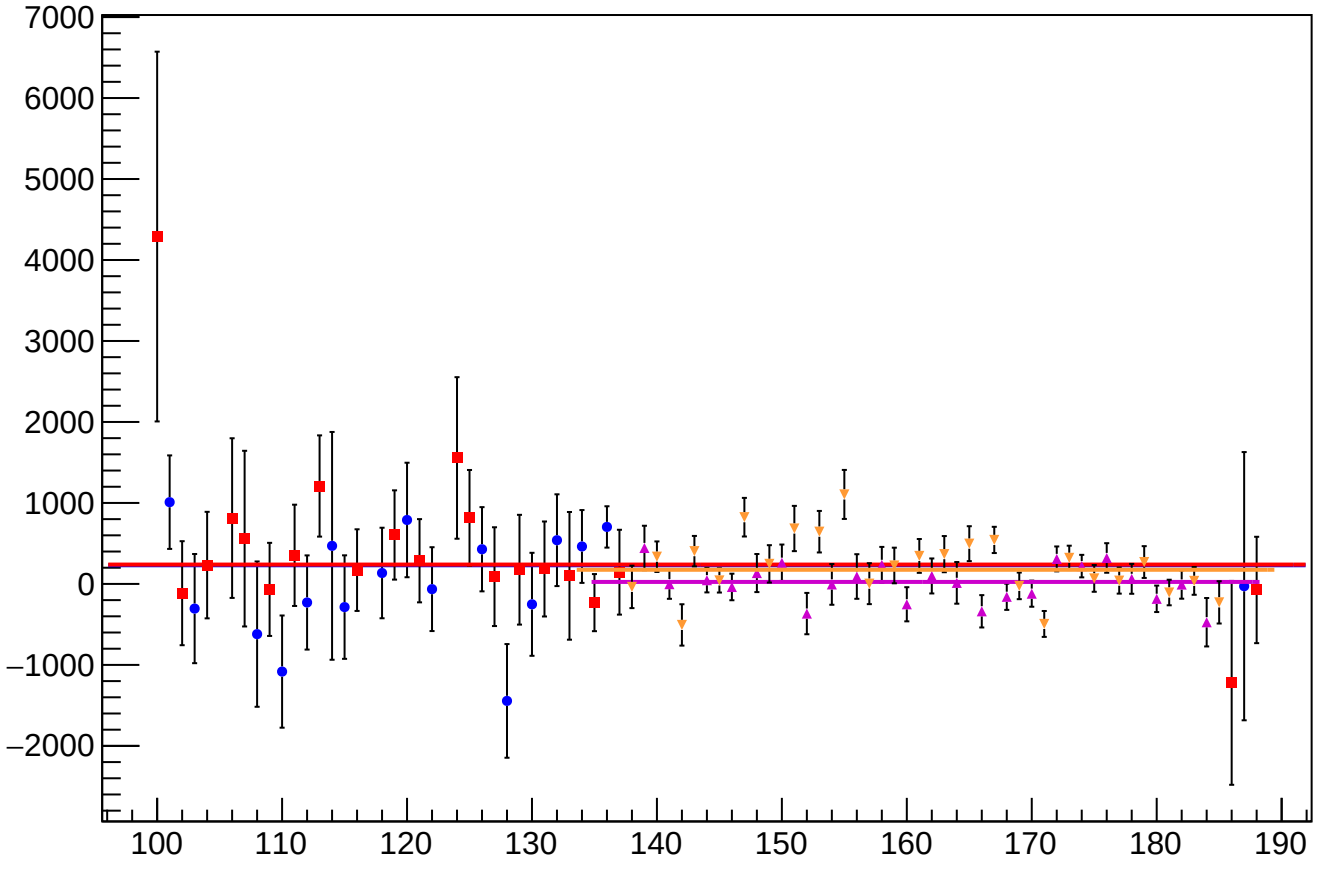
Right Out: 28.007+/-0.007 χ^2/NDF: 1414979.8/20

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.080+/-0.003 χ^2/NDF: 1788341.0/41

All: 21.306+/-0.002 χ^2/NDF: 4562756.9/85

- sign 21.543+/-0.003 χ^2/NDF: 2762360.7/43



Right In: 230.371+/-134.426 χ^2/NDF: 19.7/16

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

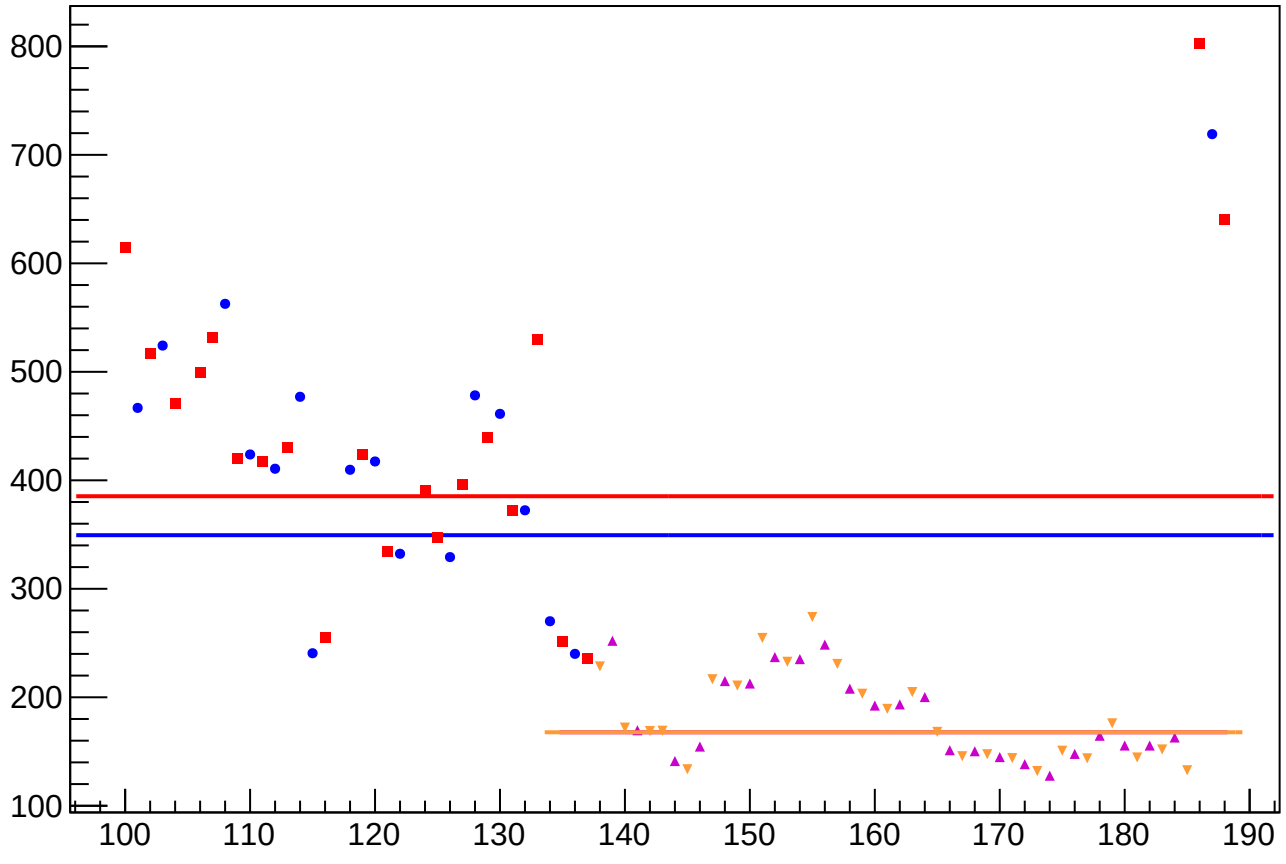
Right Out: 239.007+/-136.289 χ^2/NDF: 13.3/20

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 179.024+/-37.499 χ^2/NDF: 91.0/41

All: 112.045+/-26.843 χ^2/NDF: 140.0/85

- sign 41.650+/-38.443 χ^2/NDF: 42.4/43



Right In: 349.421+/-0.095 χ^2/NDF: 1158373.0/16

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 385.335+/-0.096 χ^2/NDF: 1450168.5/20

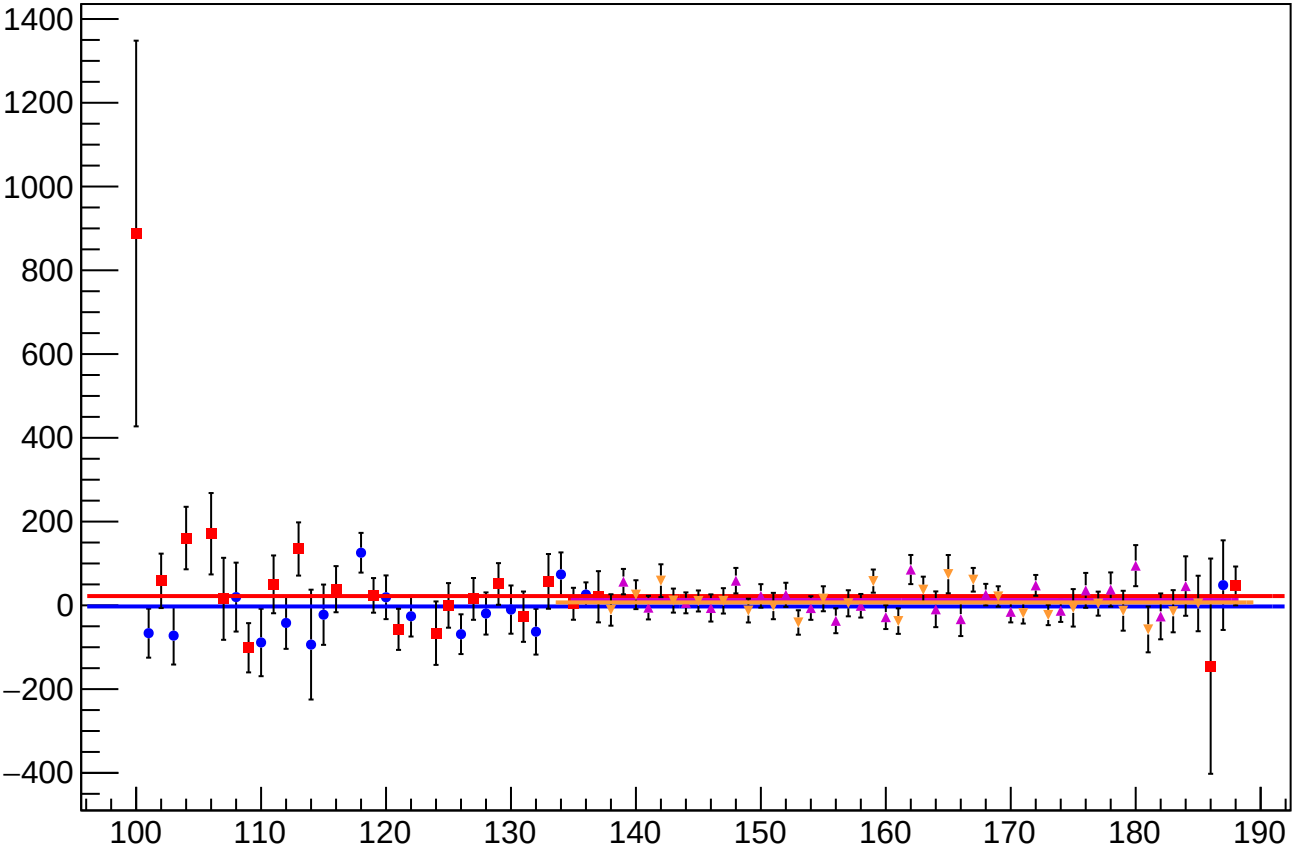
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 181.891+/-0.027 χ^2/NDF: 6105063.6/41

All: 183.436+/-0.019 χ^2/NDF: 13657444.8/85

- sign 185.060+/-0.027 χ^2/NDF: 7545414.9/43

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -2.626+/-13.289 χ^2/NDF: 18.7/16

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 22.165+/-12.922 χ^2/NDF: 23.8/20

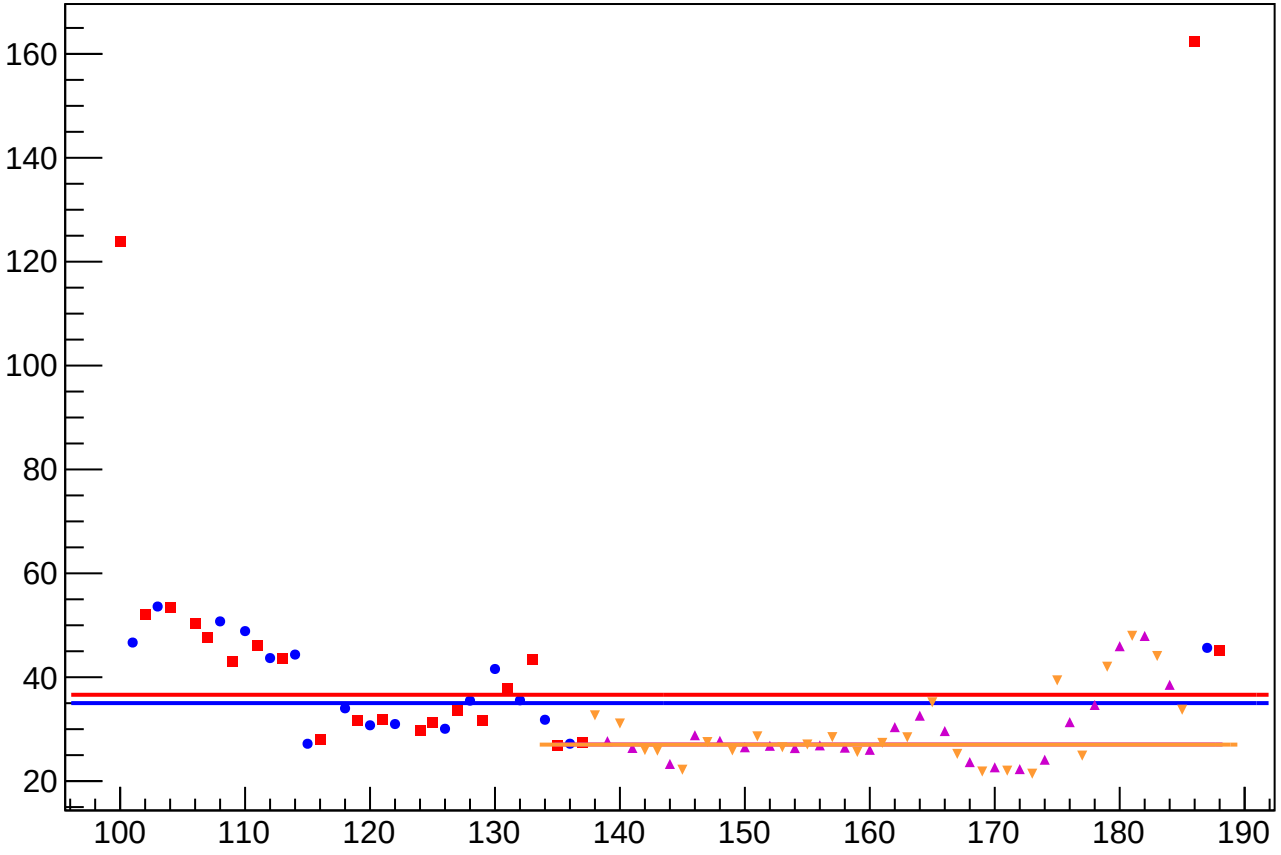
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.283+/-5.717 χ^2/NDF: 41.9/41

All: 9.869+/-4.077 χ^2/NDF: 93.1/85

- sign 14.615+/-5.816 χ^2/NDF: 49.9/43

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 35.017+/-0.009 χ^2/NDF: 678212.3/16

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 36.620+/-0.009 χ^2/NDF: 1339088.5/20

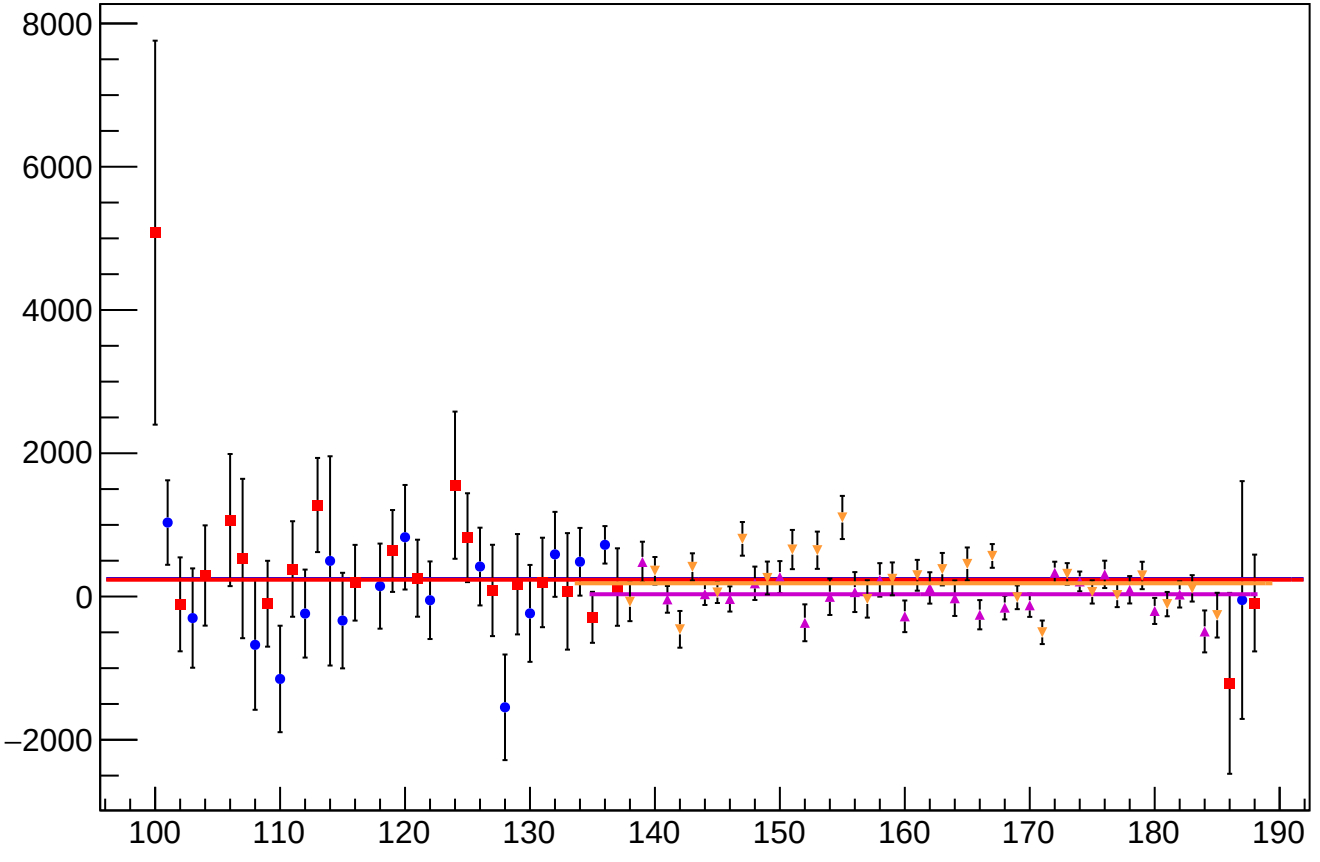
Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 28.505+/-0.004 χ^2/NDF: 2698050.9/41

All: 28.744+/-0.003 χ^2/NDF: 5963002.7/85

- sign 28.991+/-0.004 χ^2/NDF: 3257869.4/43

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 244.412+/-139.776 χ^2/NDF: 19.8/16

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

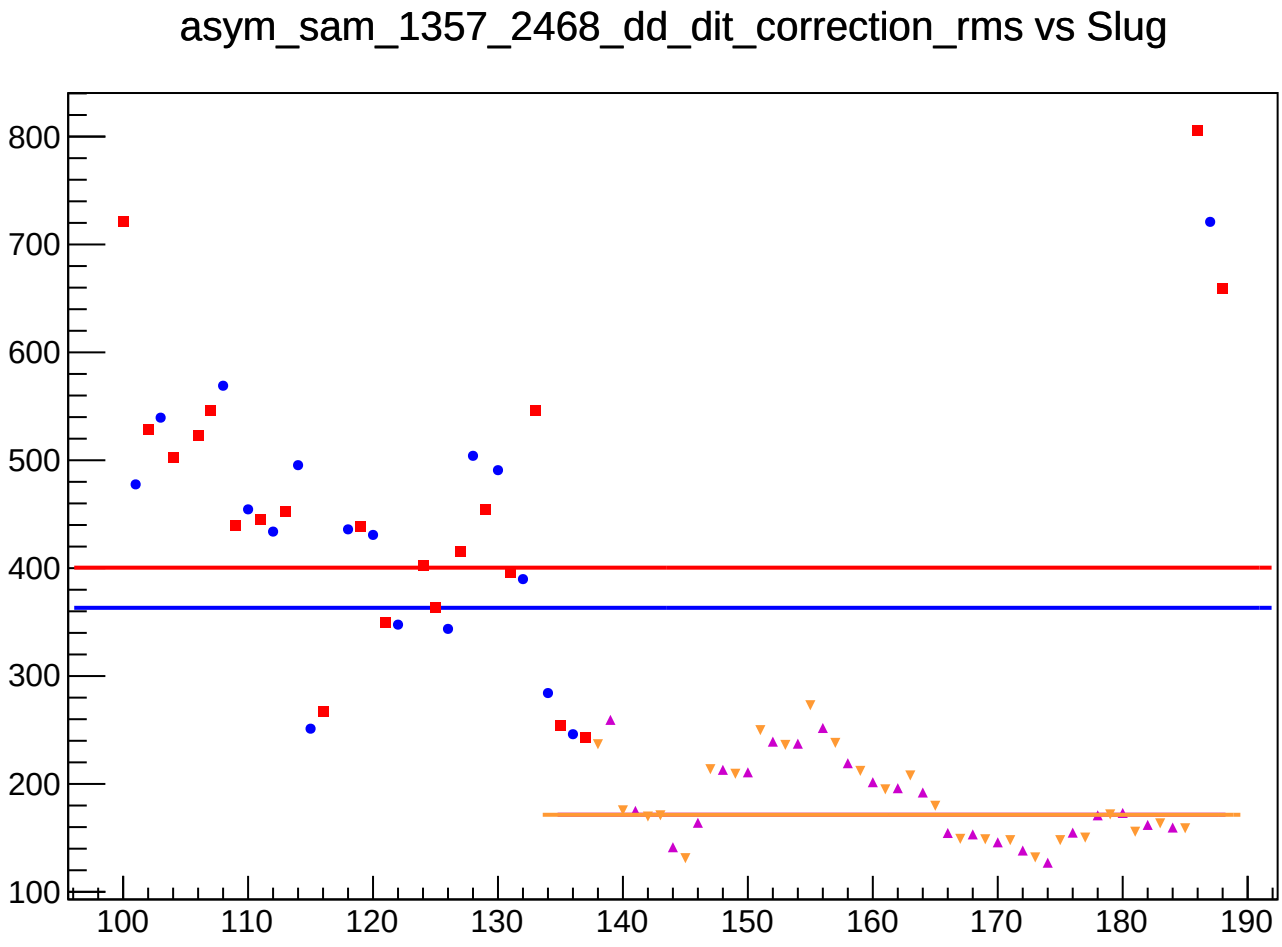
Right Out: 234.719+/-141.158 χ^2/NDF: 14.2/20

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 189.162+/-38.307 χ^2/NDF: 87.6/41

All: 120.309+/-27.449 χ^2/NDF: 136.8/85

- sign 47.654+/-39.351 χ^2/NDF: 42.5/43



Right In: 363.247+/-0.099 χ^2/NDF: 1186315.4/16

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 400.461+/-0.100 χ^2/NDF: 1490707.1/20

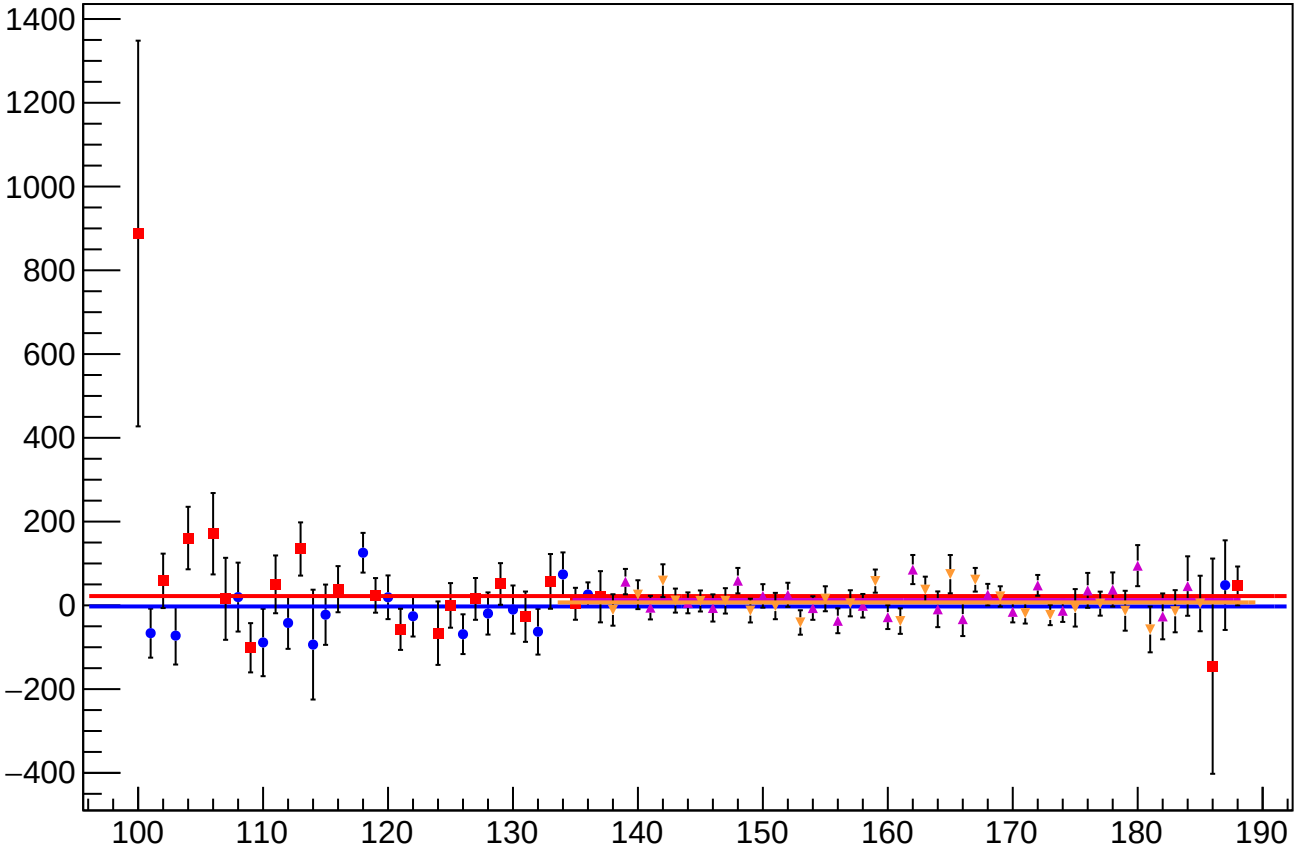
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 185.834+/-0.027 χ^2/NDF: 6196877.4/41

All: 187.513+/-0.019 χ^2/NDF: 13964679.8/85

- sign 189.284+/-0.028 χ^2/NDF: 7759909.7/43

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -2.627+/-13.289 χ^2/NDF: 18.7/16

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 22.165+/-12.922 χ^2/NDF: 23.8/20

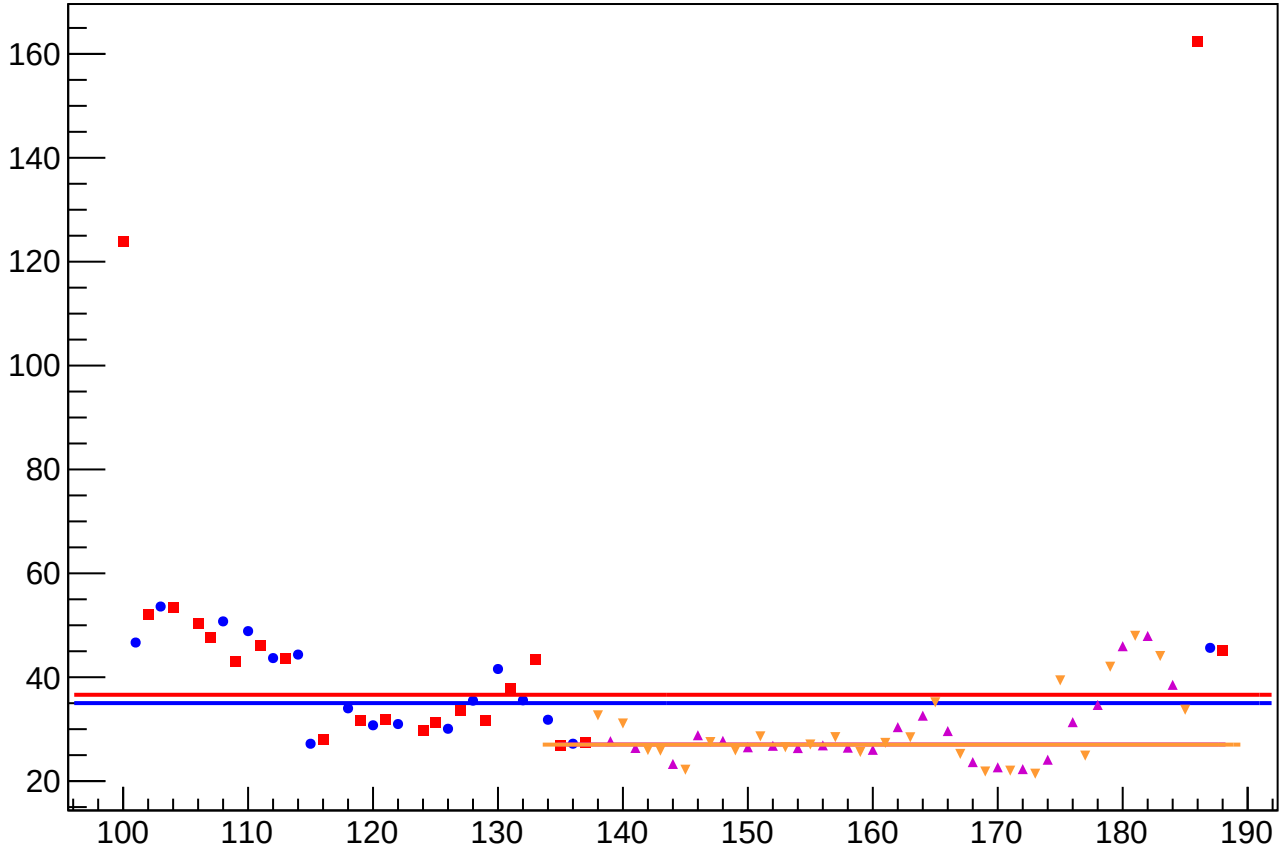
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.283+/-5.717 χ^2/NDF: 41.9/41

All: 9.869+/-4.077 χ^2/NDF: 93.1/85

- sign 14.615+/-5.816 χ^2/NDF: 49.9/43

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 35.017+/-0.009 χ^2/NDF: 678163.4/16

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

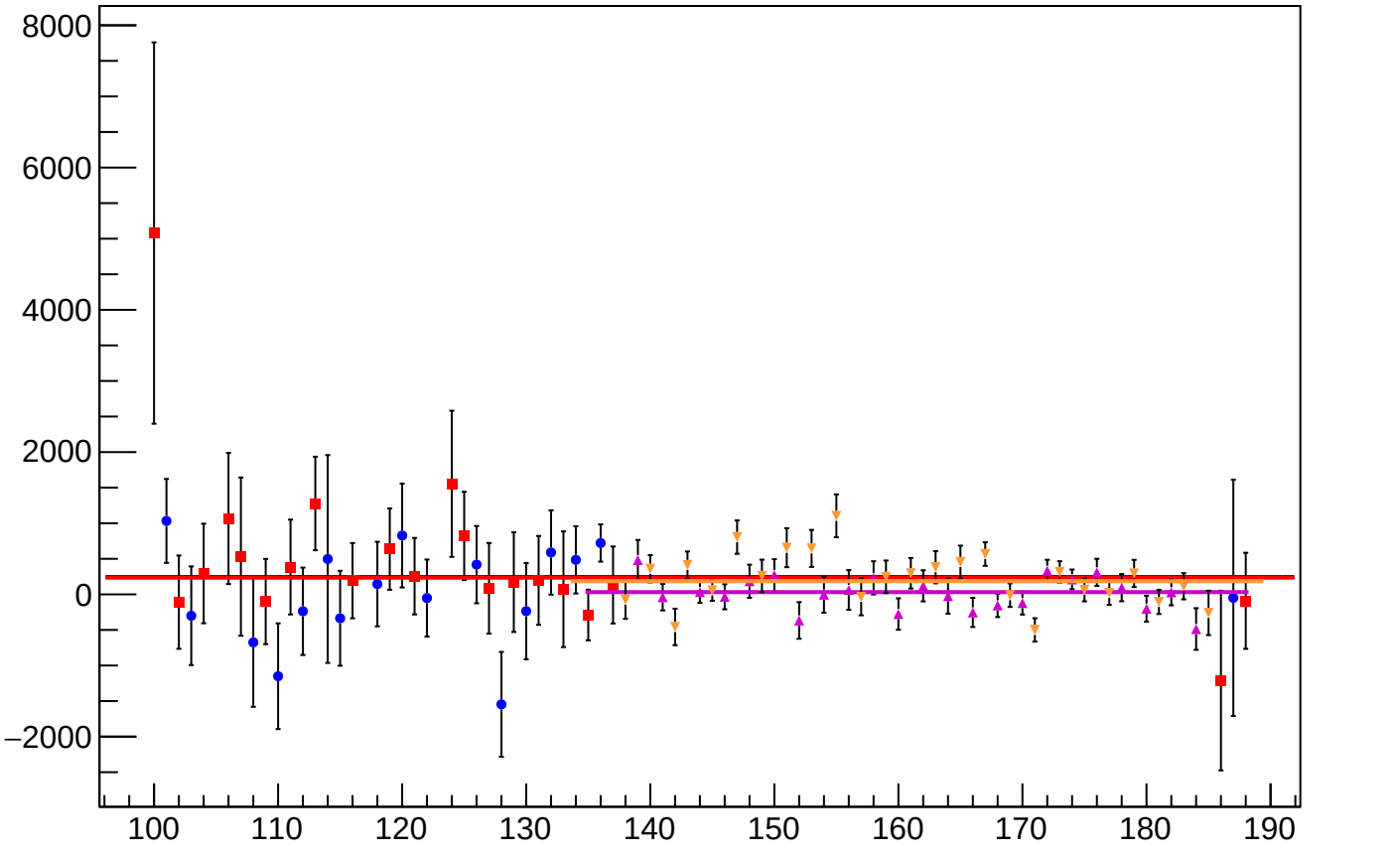
Right Out: 36.620+/-0.009 χ^2/NDF: 1339068.5/20

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 28.505+/-0.004 χ^2/NDF: 2697941.1/41

All: 28.744+/-0.003 χ^2/NDF: 5962783.5/85

- sign 28.991+/-0.004 χ^2/NDF: 3257760.5/43



Right In: 244.410+/-139.776 χ^2/NDF: 19.8/16

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

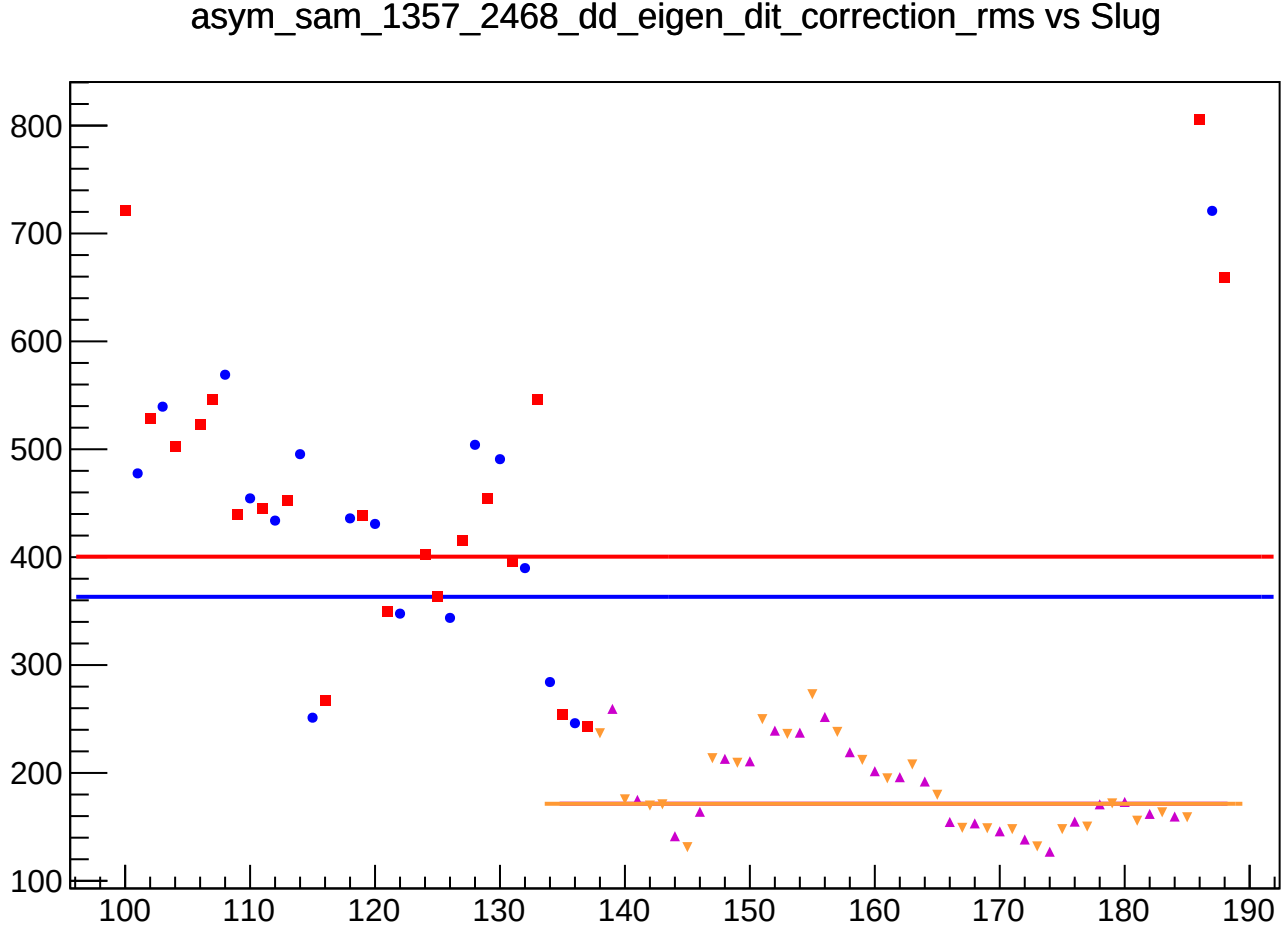
Right Out: 234.719+/-141.157 χ^2/NDF: 14.2/20

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 189.161+/-38.307 χ^2/NDF: 87.6/41

All: 120.308+/-27.449 χ^2/NDF: 136.8/85

- sign 47.653+/-39.350 χ^2/NDF: 42.5/43



Right In: 363.246+/-0.099 χ^2/NDF: 1186307.6/16

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 400.460+/-0.100 χ^2/NDF: 1490706.6/20

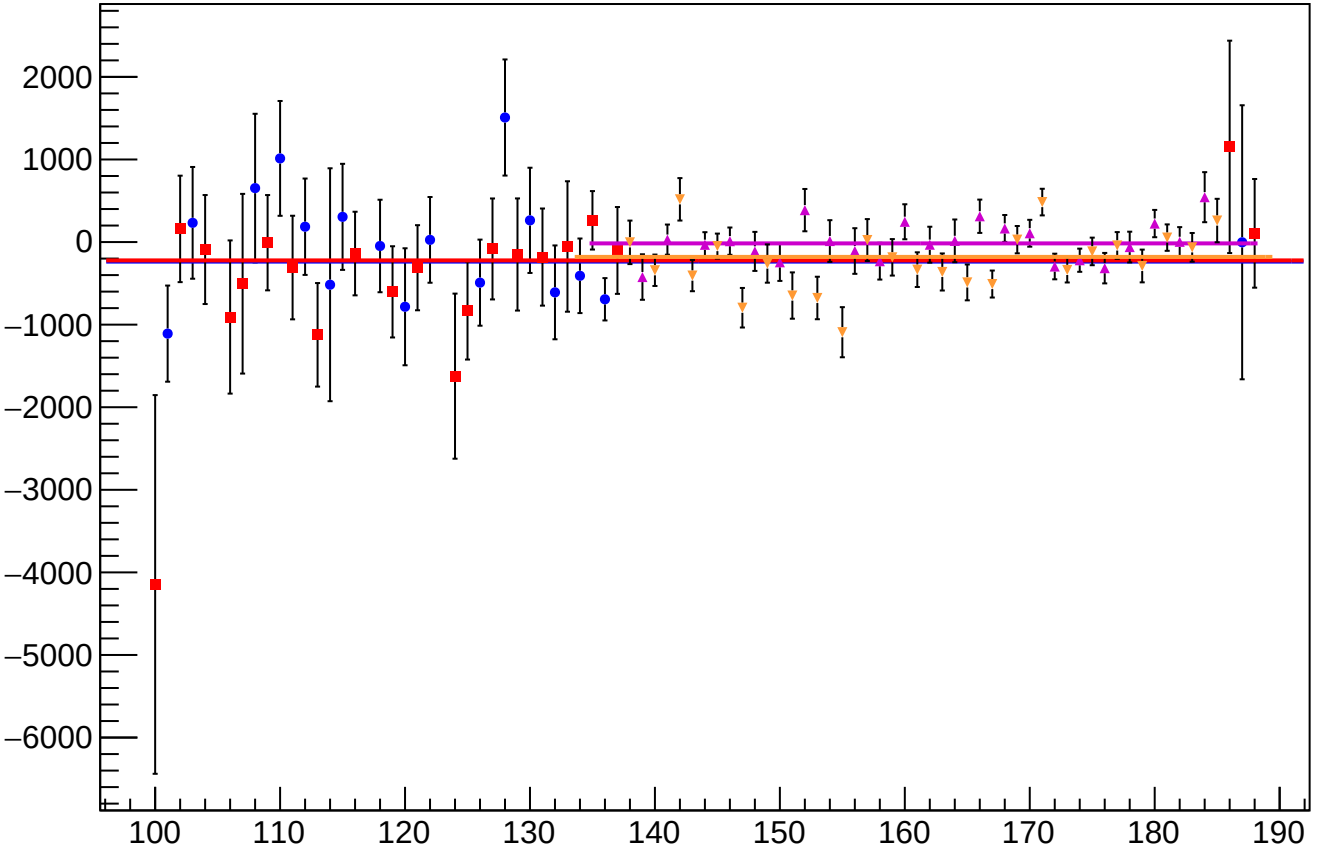
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 185.833+/-0.027 χ^2/NDF: 6196893.3/41

All: 187.512+/-0.019 χ^2/NDF: 13964718.8/85

- sign 189.283+/-0.028 χ^2/NDF: 7759933.3/43

asym_sam_1357_2468_dd_mean vs Slug



Right In: -236.487+/-134.901 χ^2/NDF: 20.0/16

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -222.128+/-136.546 χ^2/NDF: 13.1/20

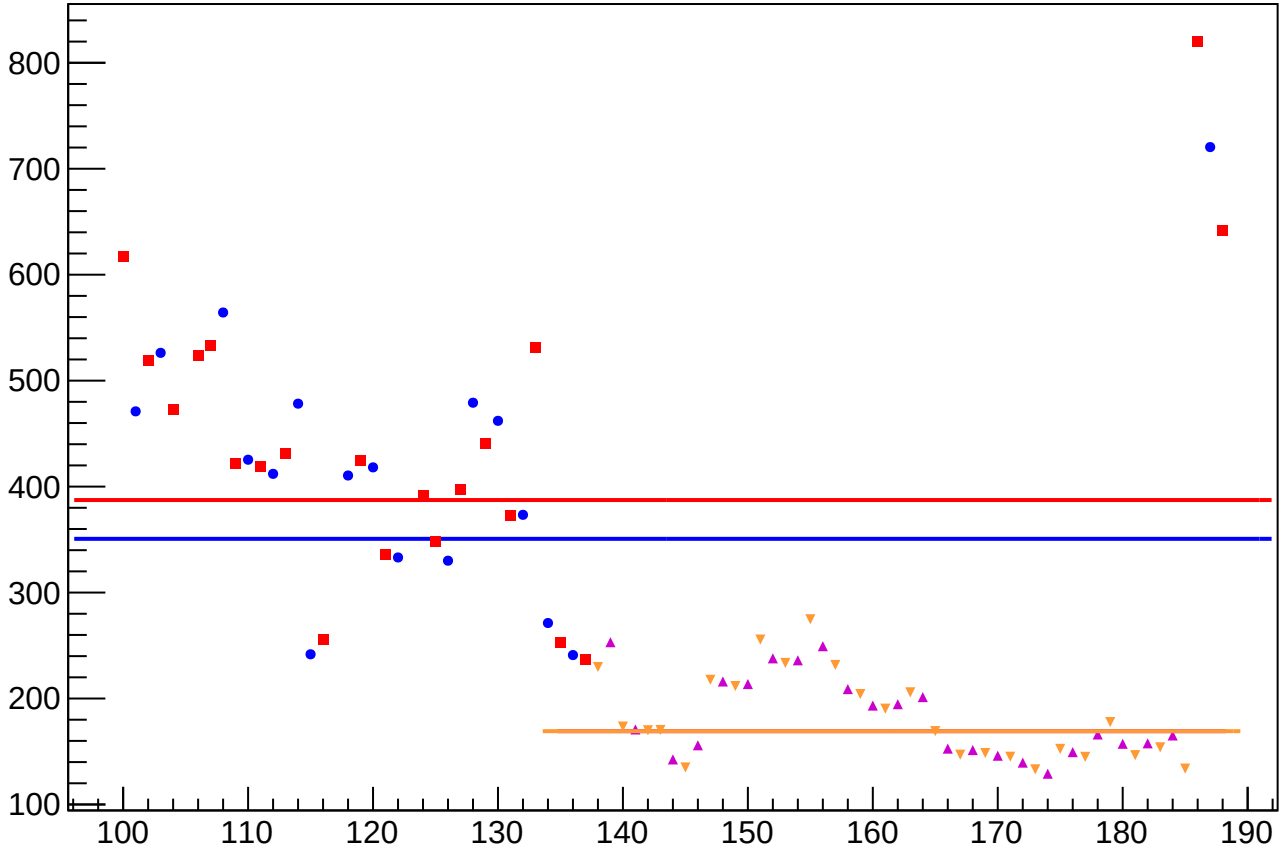
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -184.115+/-37.788 χ^2/NDF: 87.2/41

All: -110.256+/-27.049 χ^2/NDF: 136.9/85

- sign -32.642+/-38.737 χ^2/NDF: 41.8/43

asym_sam_1357_2468_dd_rms vs Slug



Right In: 350.713+/-0.095 χ^2/NDF: 1156784.5/16

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

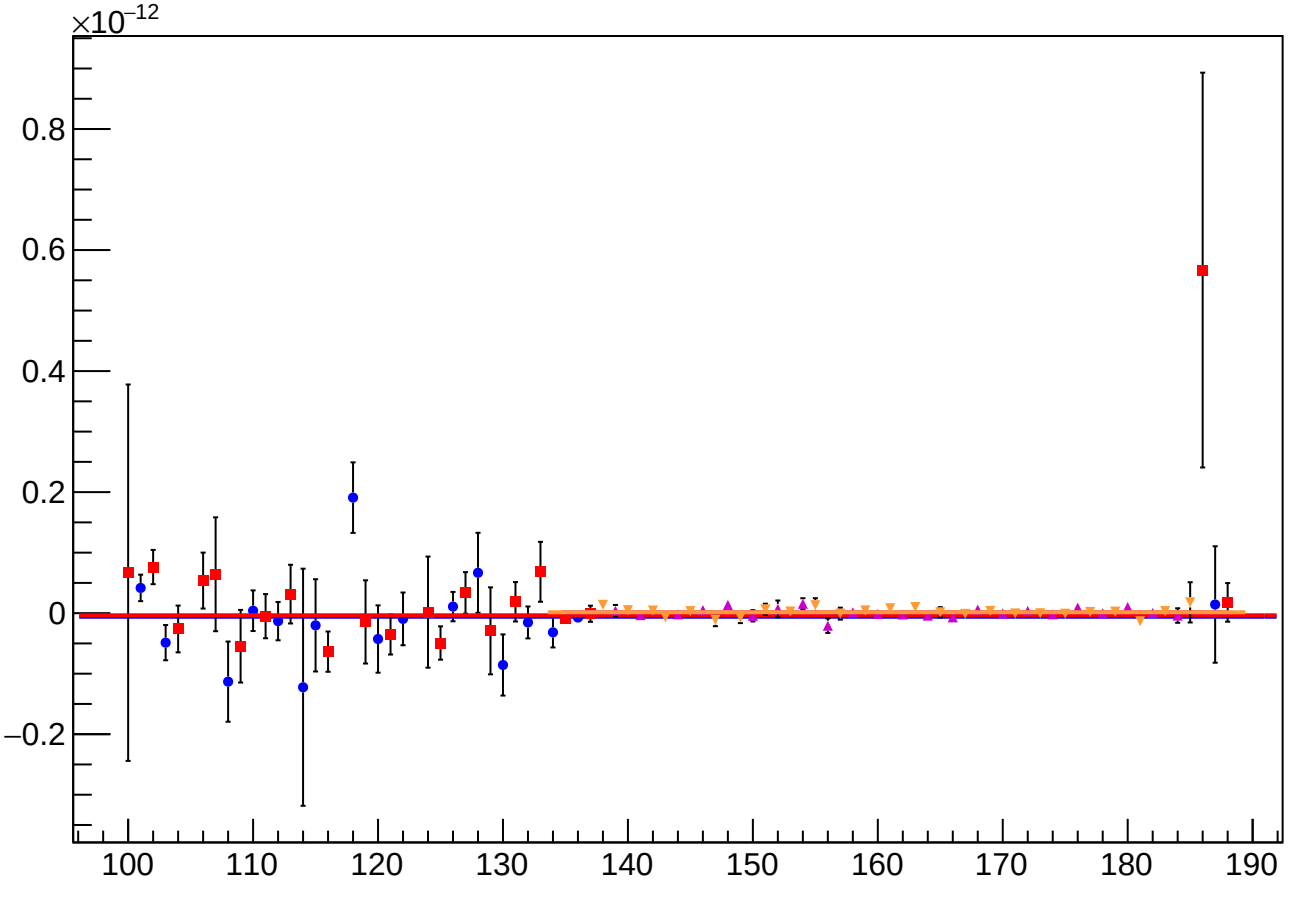
Right Out: 387.321+/-0.097 χ^2/NDF: 1471262.9/20

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 183.425+/-0.027 χ^2/NDF: 6041986.1/41

All: 185.043+/-0.019 χ^2/NDF: 13588555.7/85

- sign 186.742+/-0.027 χ^2/NDF: 7539055.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

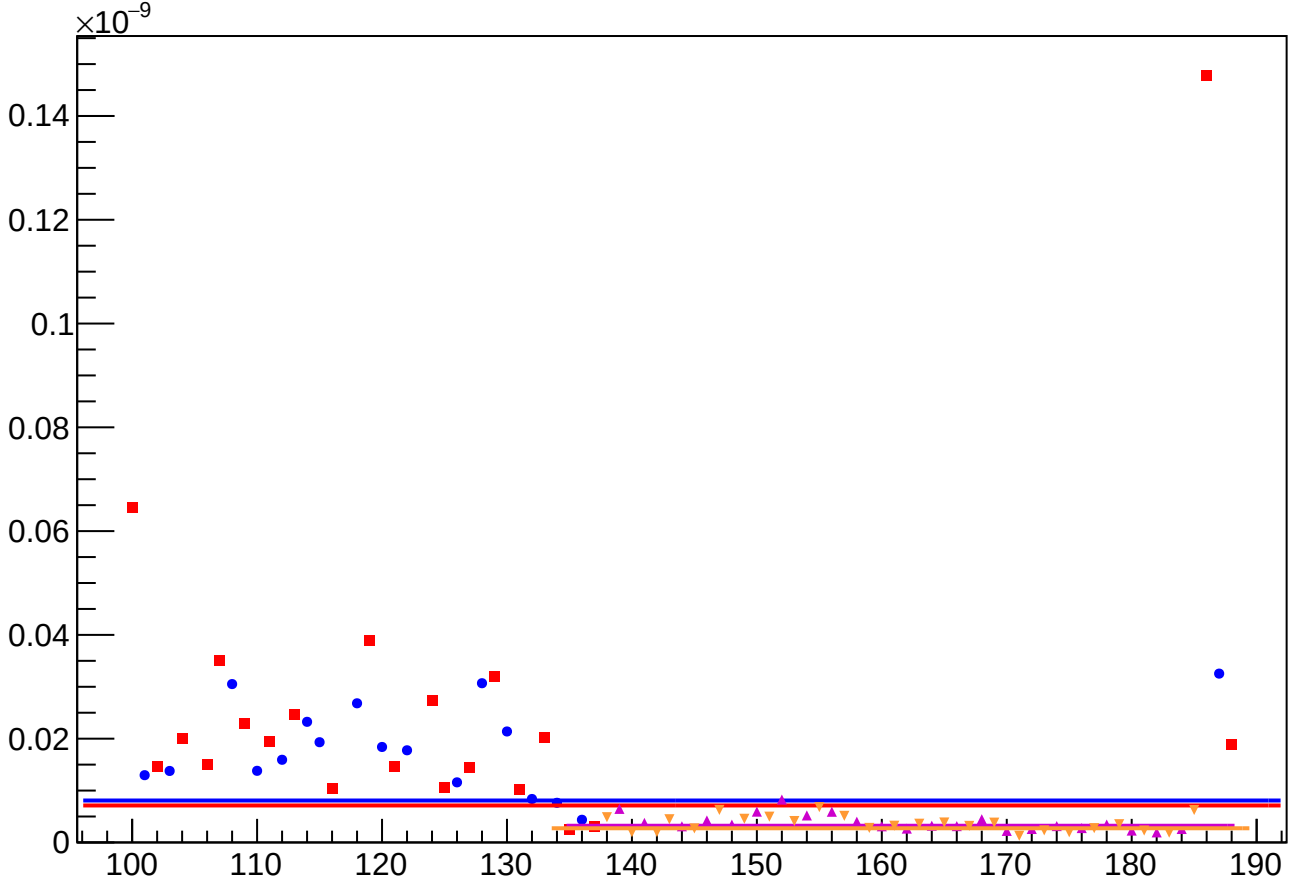
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/20

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/41

All: 0.000+/-0.000 χ^2/NDF: 94.7/85

- sign 0.000+/-0.000 χ^2/NDF: 46.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 2079442.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

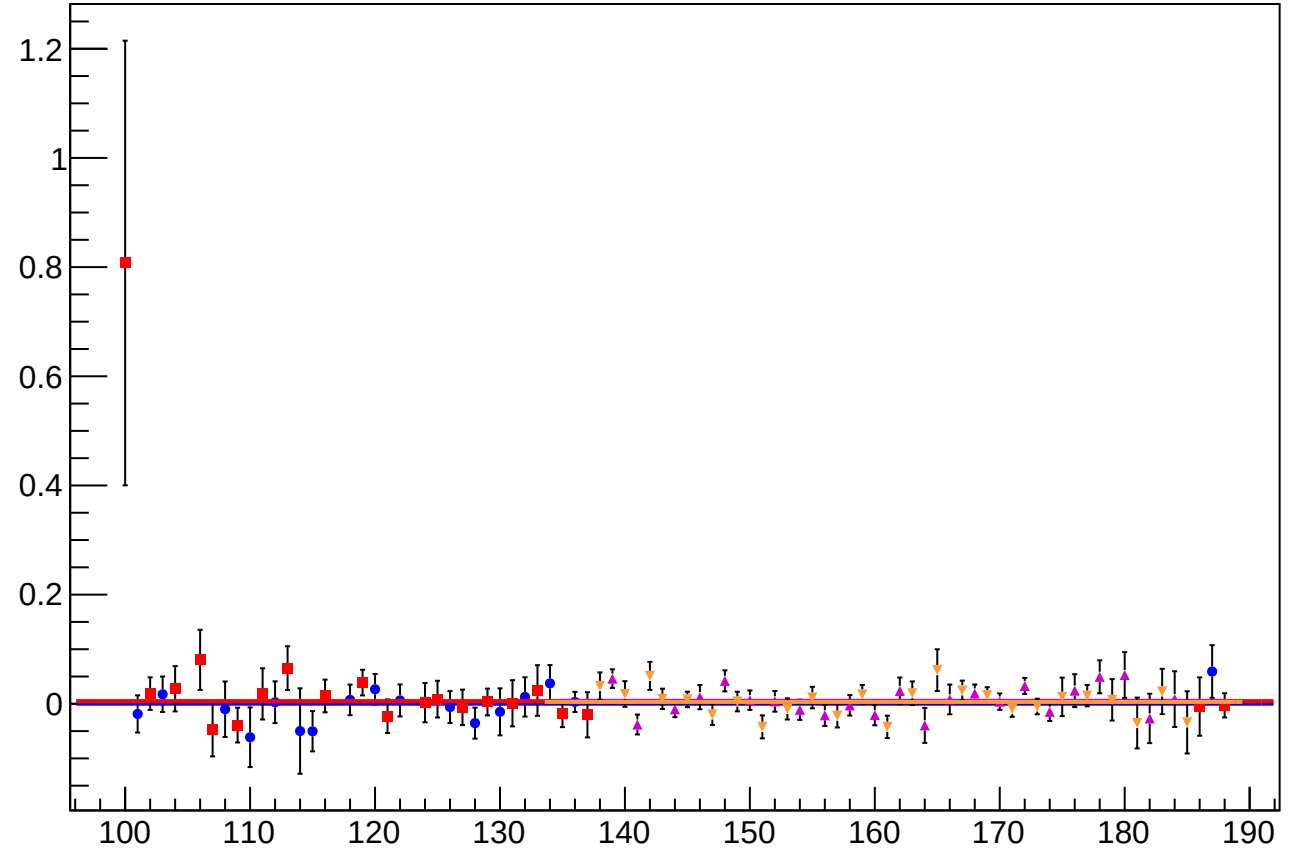
Right Out: 0.000+/-0.000 χ^2/NDF: 4033689.6/20

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5705729.2/41

All: 0.000+/-0.000 χ^2/NDF: 12216568.8/85

- sign 0.000+/-0.000 χ^2/NDF: 6351677.3/43



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

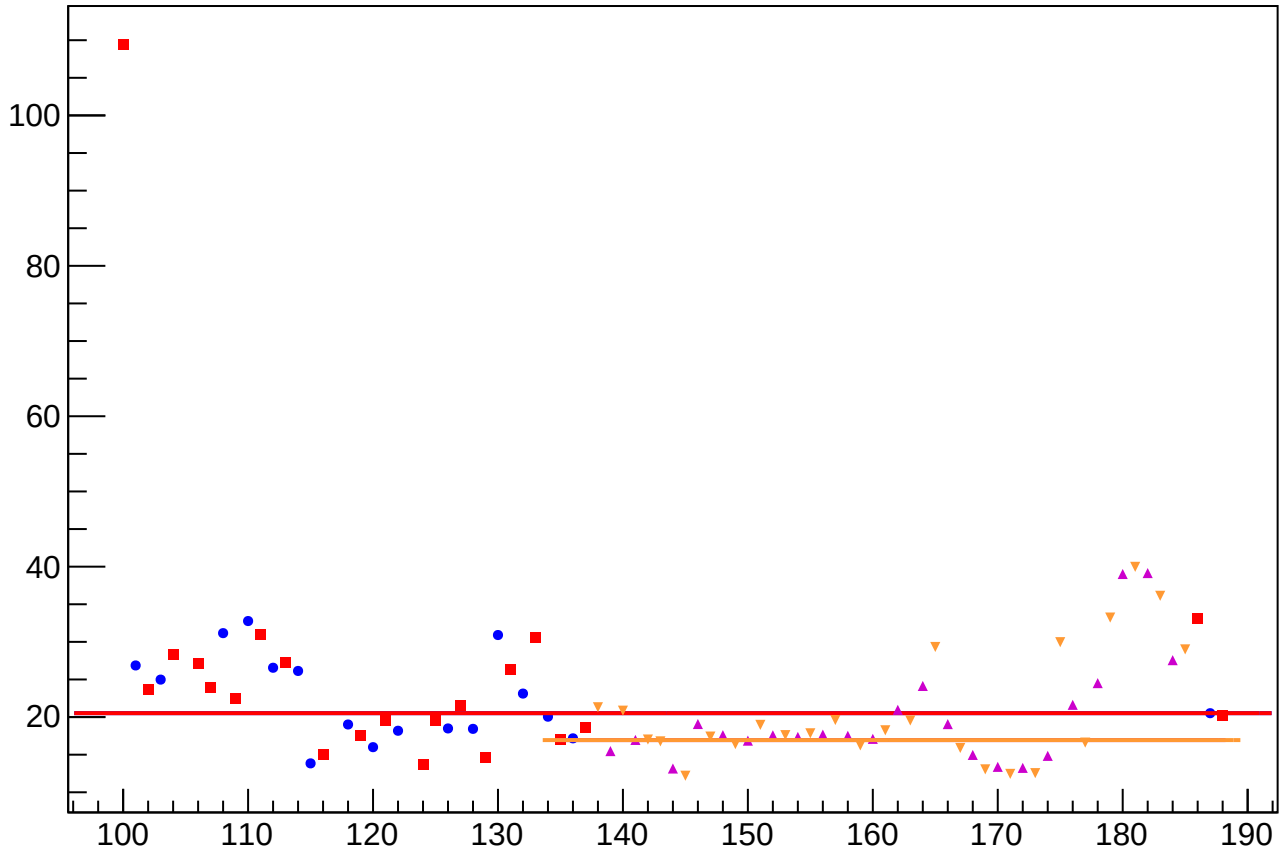
Right Out: 0.005+/-0.007 χ^2/NDF: 16.4/20

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 36.9/41

All: 0.004+/-0.003 χ^2/NDF: 86.8/85

- sign 0.005+/-0.004 χ^2/NDF: 49.6/43



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

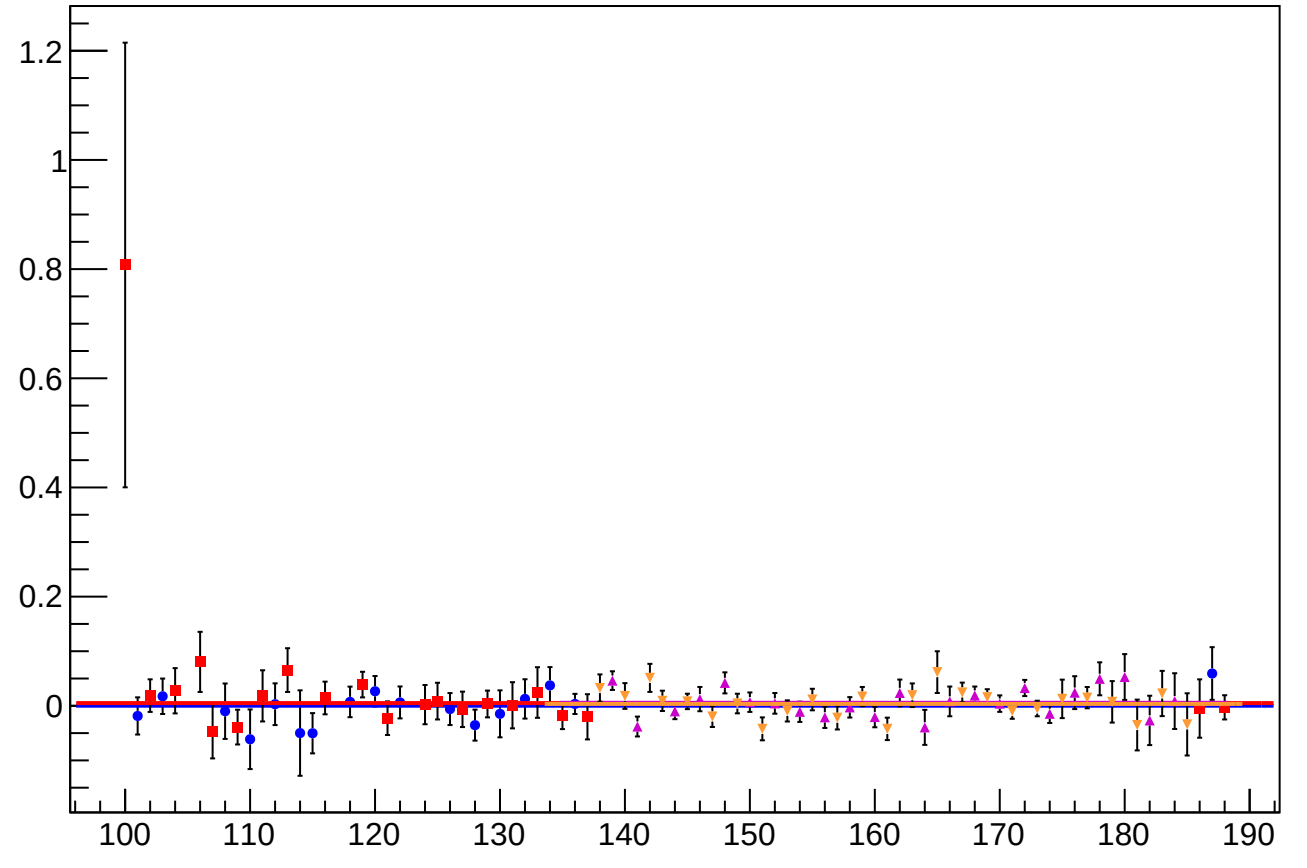
Right Out: 20.519+/-0.005 χ^2/NDF: 977624.9/20

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.689+/-0.003 χ^2/NDF: 3863994.9/41

All: 17.754+/-0.002 χ^2/NDF: 7141533.0/85

\- sign 17.819+/-0.003 χ^2/NDF: 3276257.9/43



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

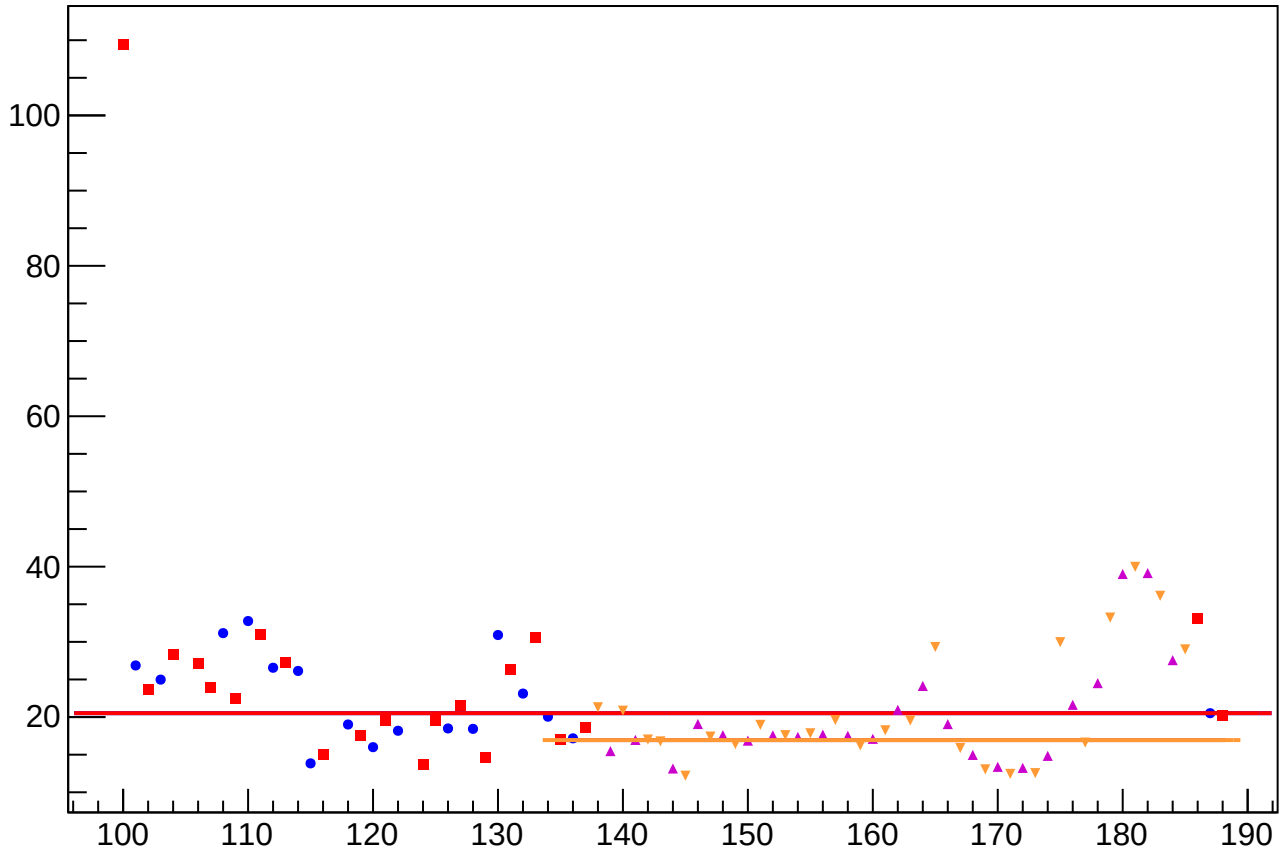
Right Out: 0.005+/-0.007 χ^2/NDF: 16.4/20

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 36.9/41

All: 0.004+/-0.003 χ^2/NDF: 86.8/85

- sign 0.005+/-0.004 χ^2/NDF: 49.6/43



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

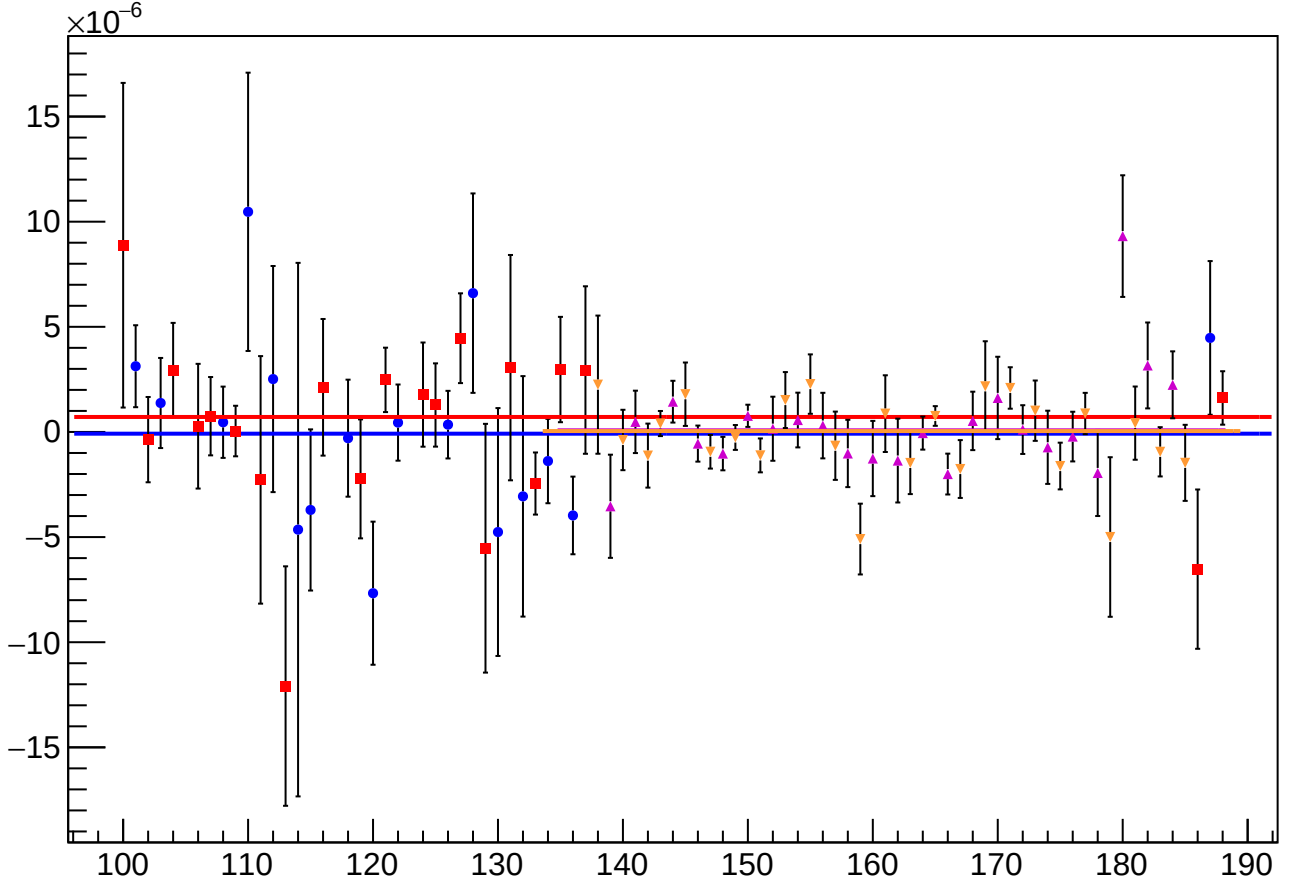
Right Out: 20.519+/-0.005 χ^2/NDF: 977624.9/20

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.689+/-0.003 χ^2/NDF: 3863994.9/41

All: 17.754+/-0.002 χ^2/NDF: 7141533.0/85

\- sign 17.819+/-0.003 χ^2/NDF: 3276257.9/43



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

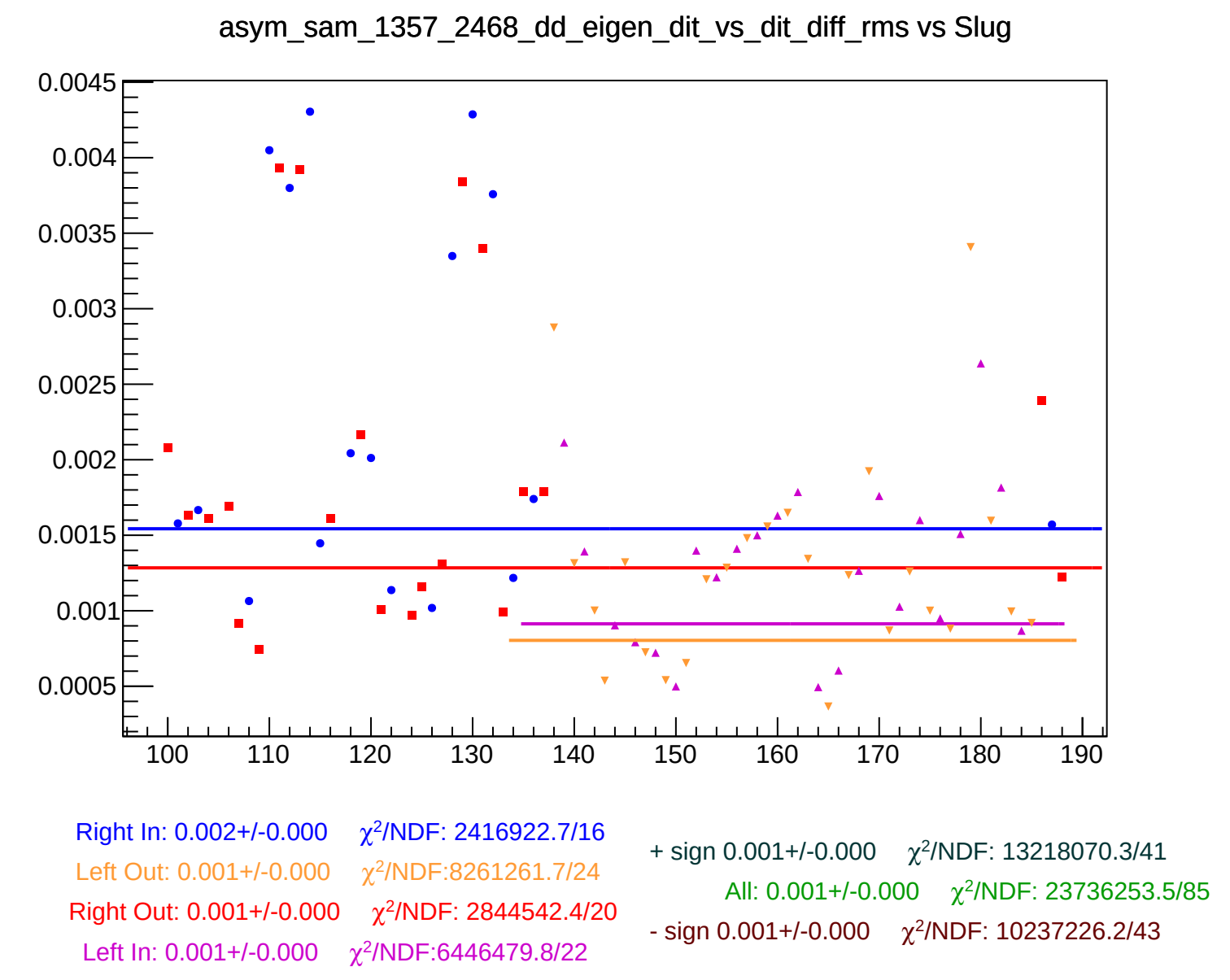
Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/20

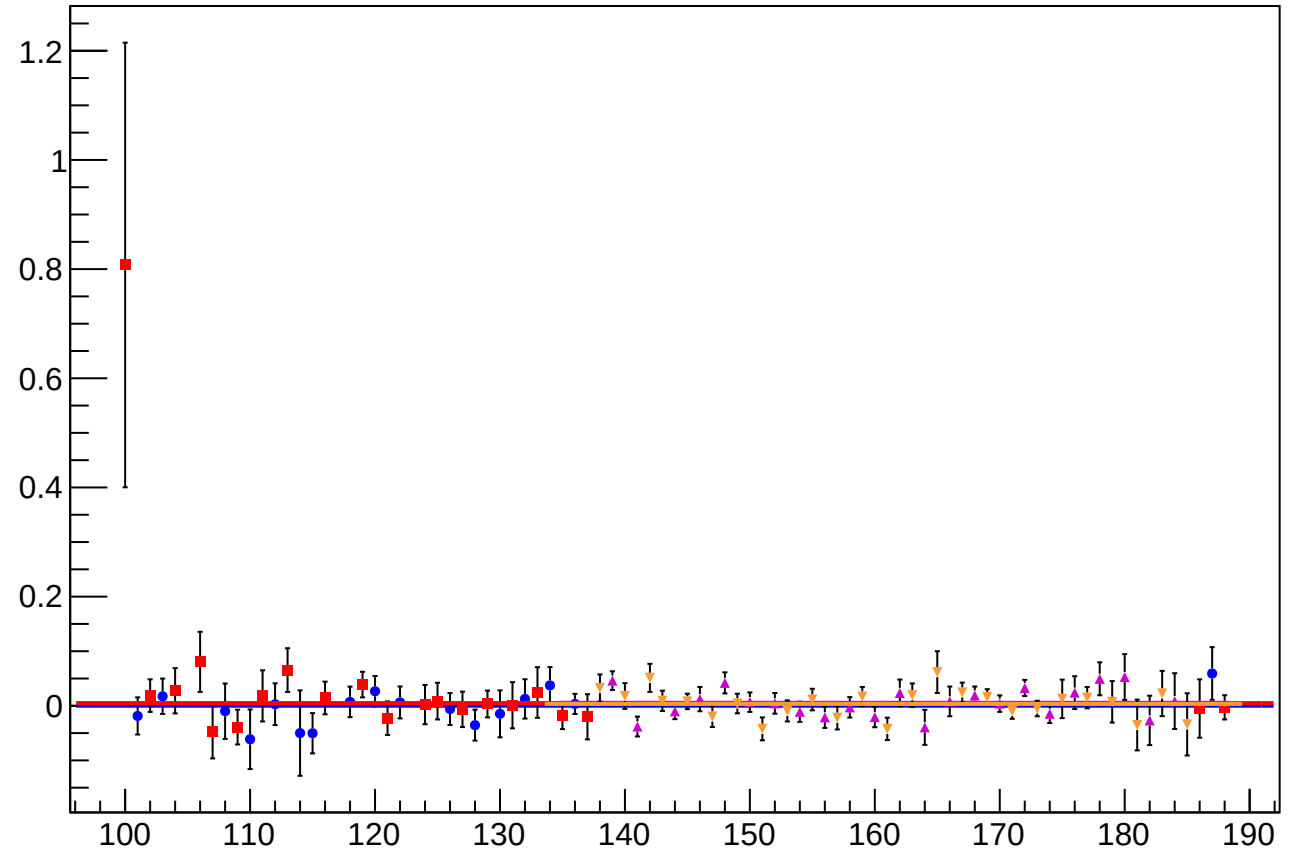
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.7/41

All: 0.000+/-0.000 χ^2/NDF: 116.6/85

- sign 0.000+/-0.000 χ^2/NDF: 57.5/43


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 2416922.7/16
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 2844542.4/20
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 13218070.3/41
All: 0.001+/-0.000 χ²/NDF: 23736253.5/85
- sign 0.001+/-0.000 χ²/NDF: 10237226.2/43



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

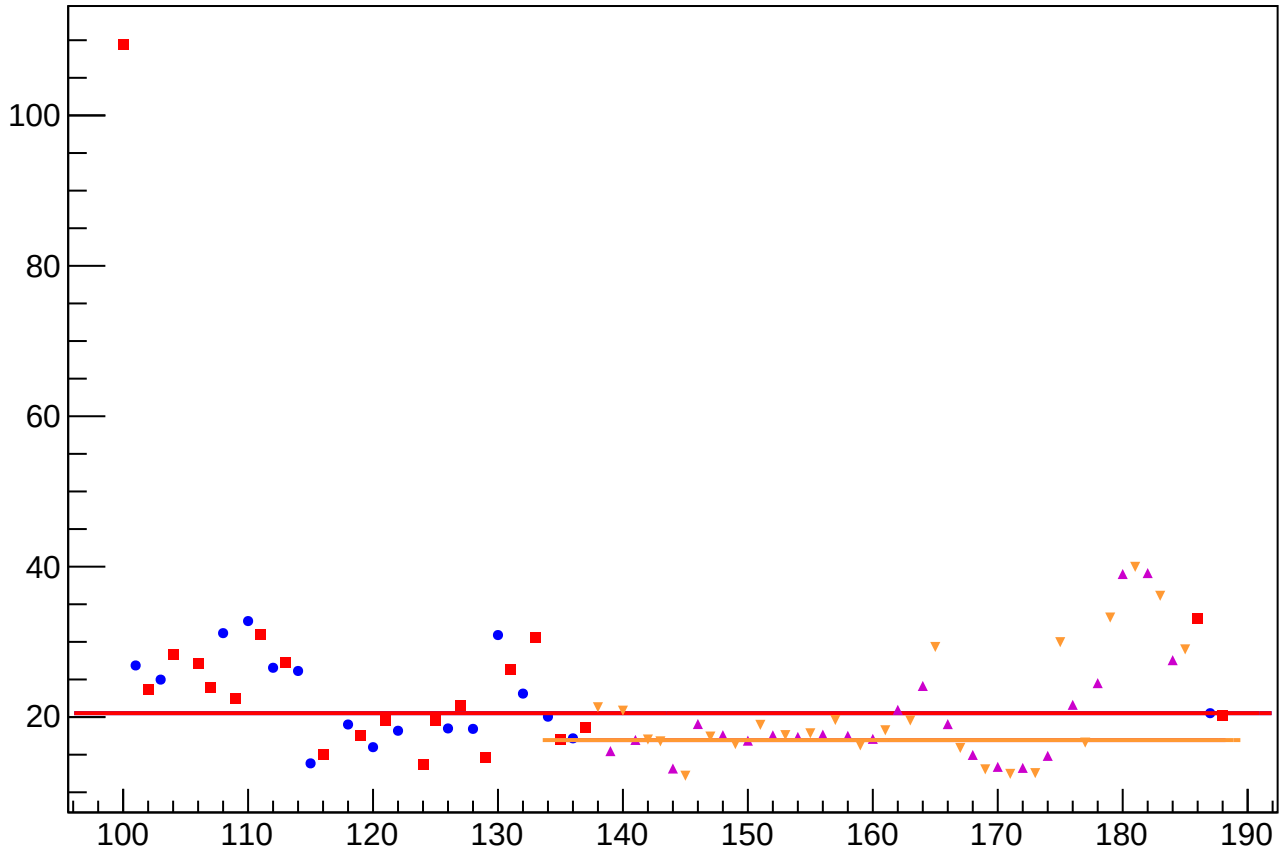
Right Out: 0.005+/-0.007 χ^2/NDF: 16.4/20

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 36.9/41

All: 0.004+/-0.003 χ^2/NDF: 86.8/85

- sign 0.005+/-0.004 χ^2/NDF: 49.6/43



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.519+/-0.005 χ^2/NDF: 977646.7/20

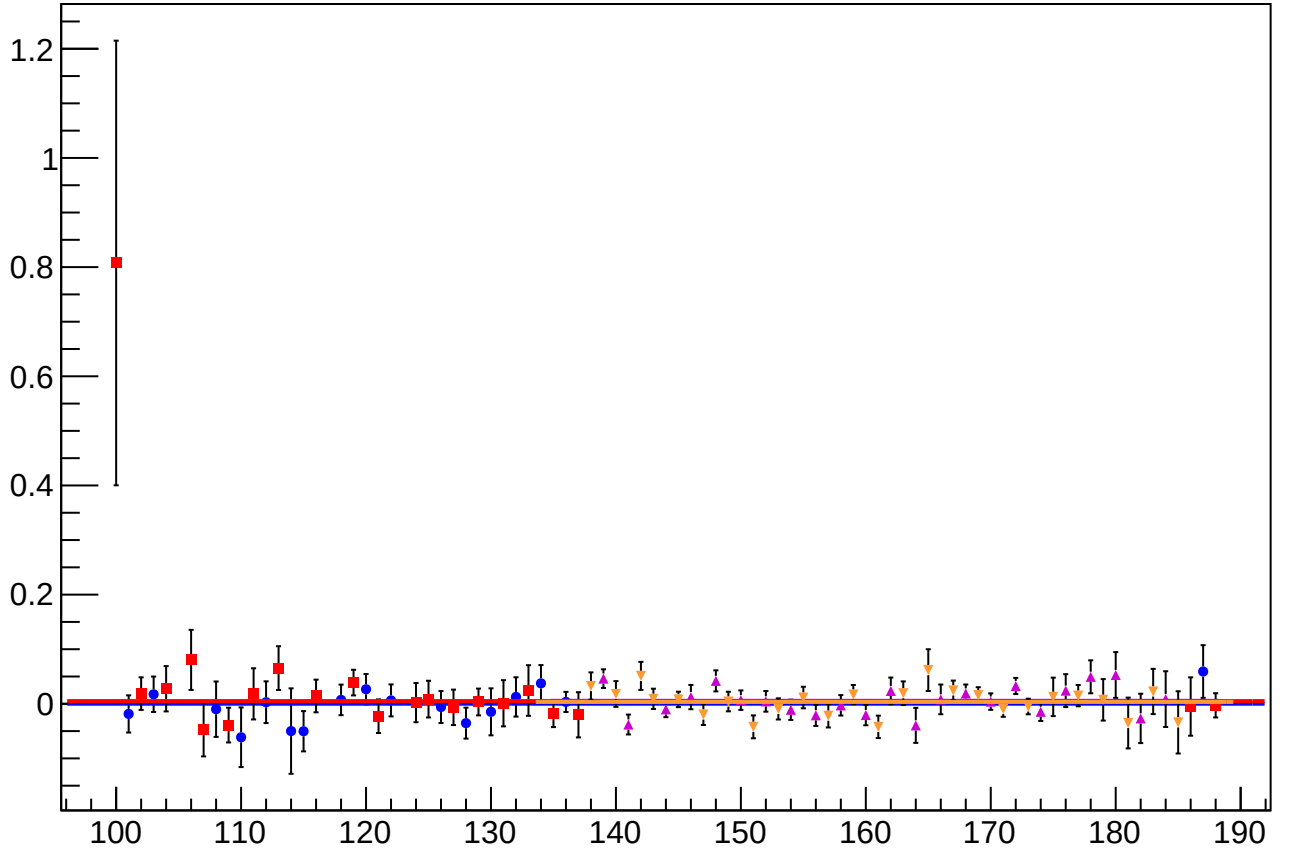
Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.689+/-0.003 χ^2/NDF: 3863741.9/41

All: 17.754+/-0.002 χ^2/NDF: 7141161.8/85

- sign 17.819+/-0.003 χ^2/NDF: 3276141.4/43

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.005+/-0.007 χ^2/NDF: 16.4/20

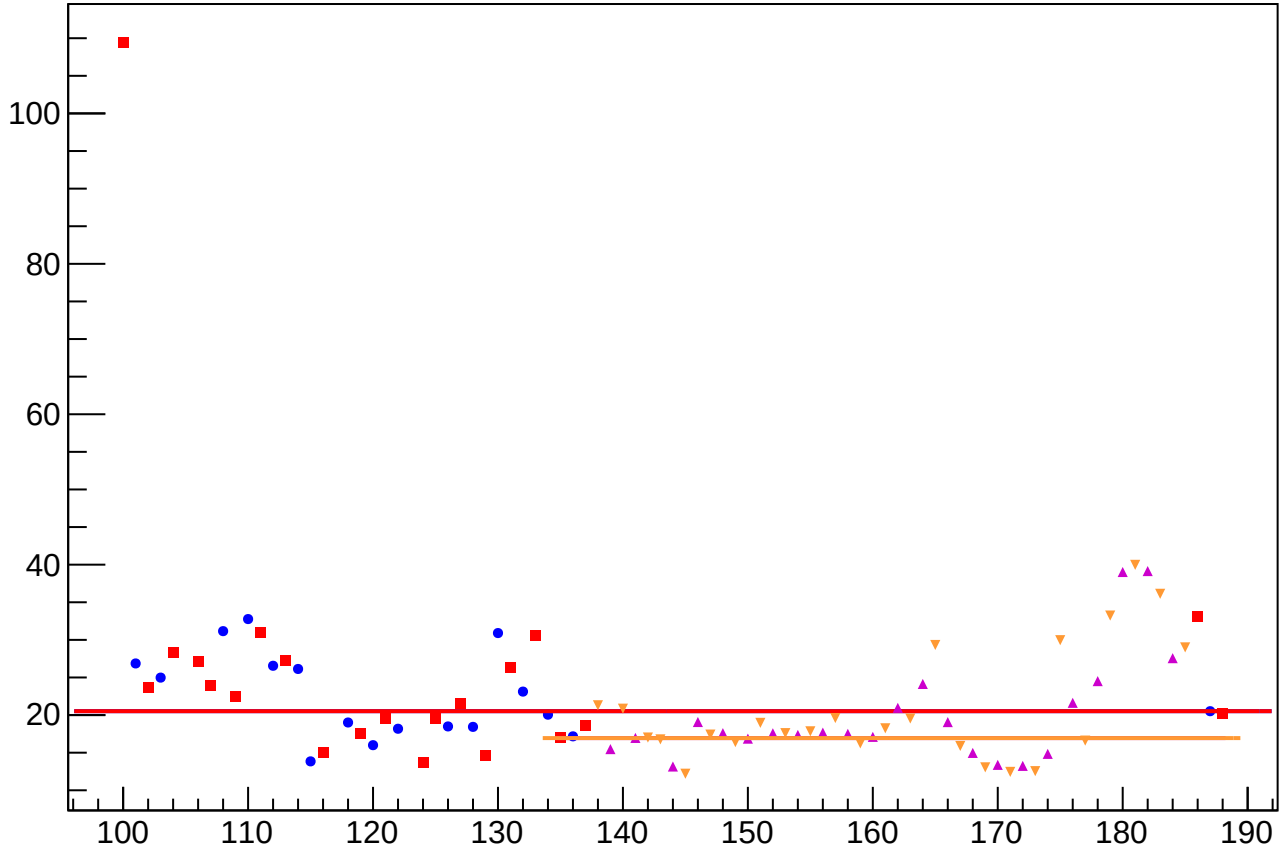
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 36.9/41

All: 0.004+/-0.003 χ^2/NDF: 86.8/85

- sign 0.005+/-0.004 χ^2/NDF: 49.6/43

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

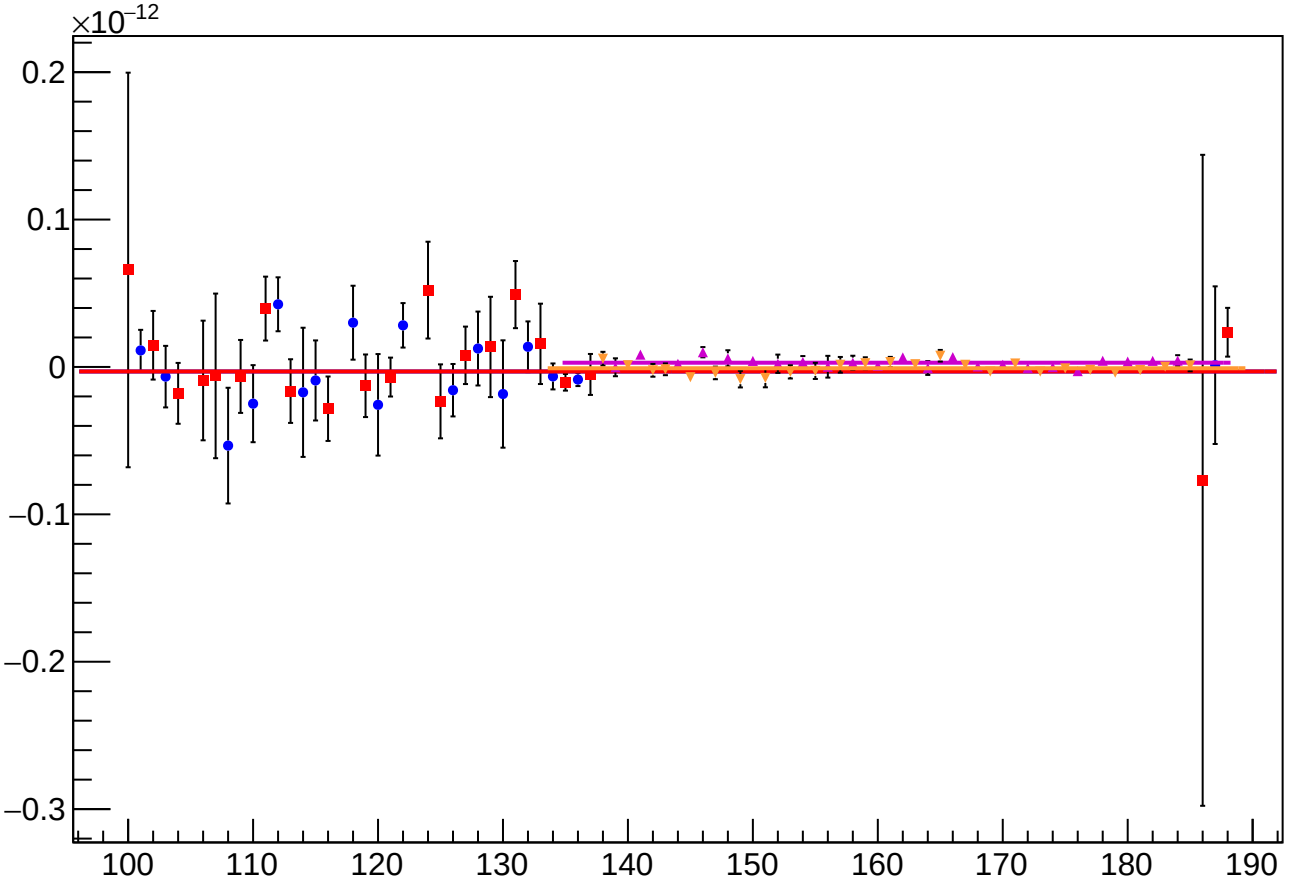
Right Out: 20.519+/-0.005 χ^2/NDF: 977646.7/20

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

\+ sign 17.689+/-0.003 χ^2/NDF: 3863741.9/41

All: 17.754+/-0.002 χ^2/NDF: 7141161.8/85

\- sign 17.819+/-0.003 χ^2/NDF: 3276141.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

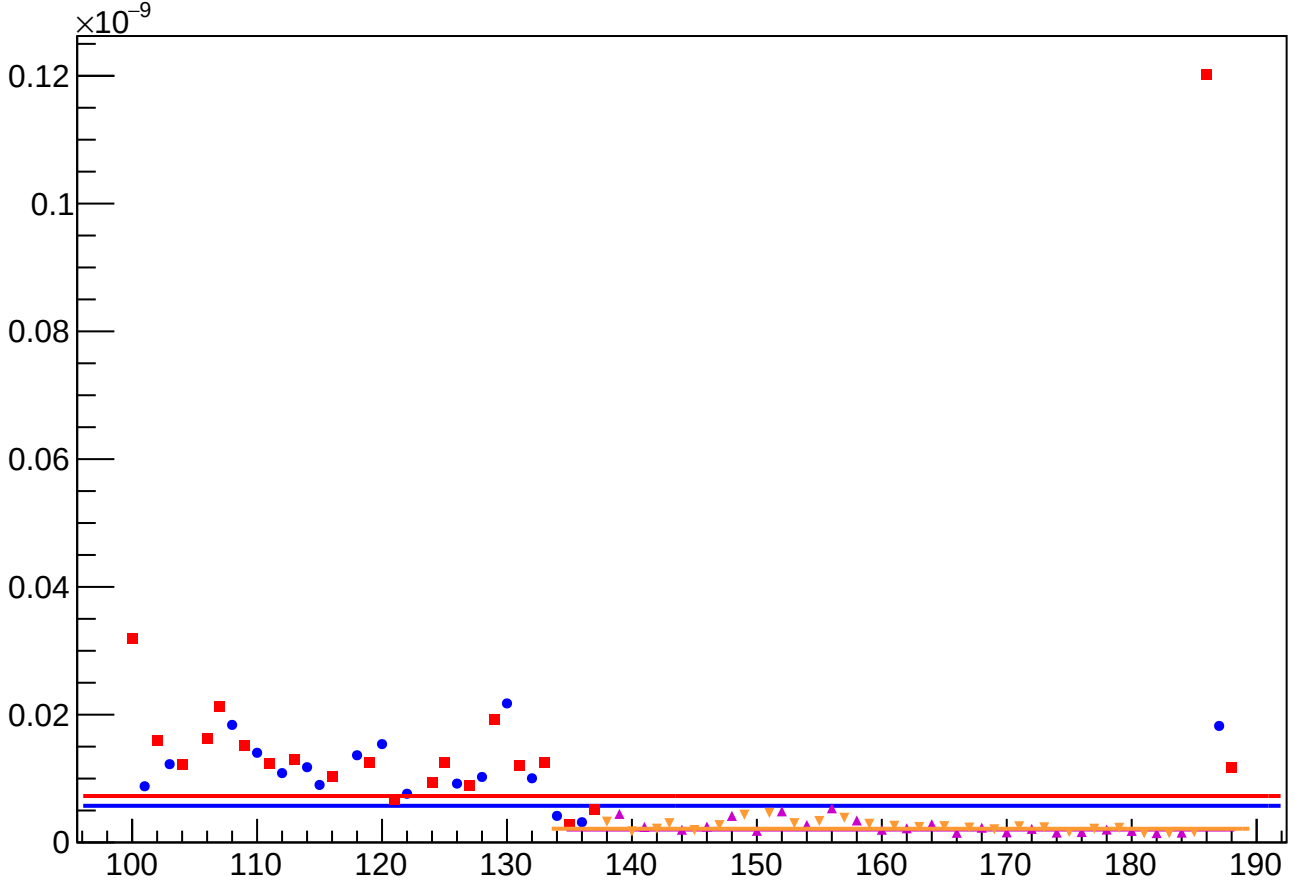
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/20

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.0/41

All: 0.000+/-0.000 χ^2/NDF: 108.0/85

- sign 0.000+/-0.000 χ^2/NDF: 47.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 2815649.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3790026.2/20

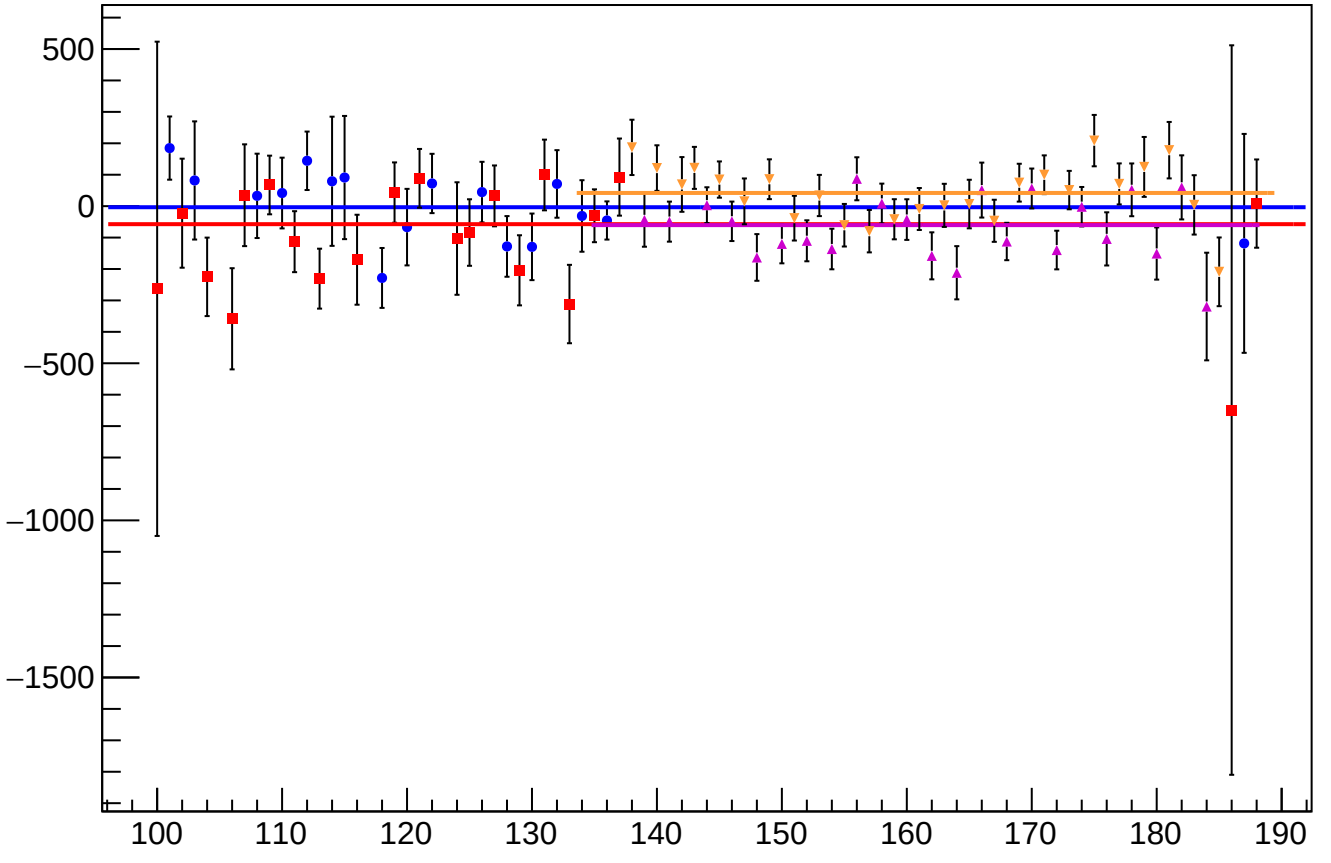
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7349545.7/41

All: 0.000+/-0.000 χ^2/NDF: 17326741.1/85

- sign 0.000+/-0.000 χ^2/NDF: 9944892.6/43

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -3.418+/-26.139 χ^2/NDF: 17.8/16

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -57.344+/-25.923 χ^2/NDF: 26.2/20

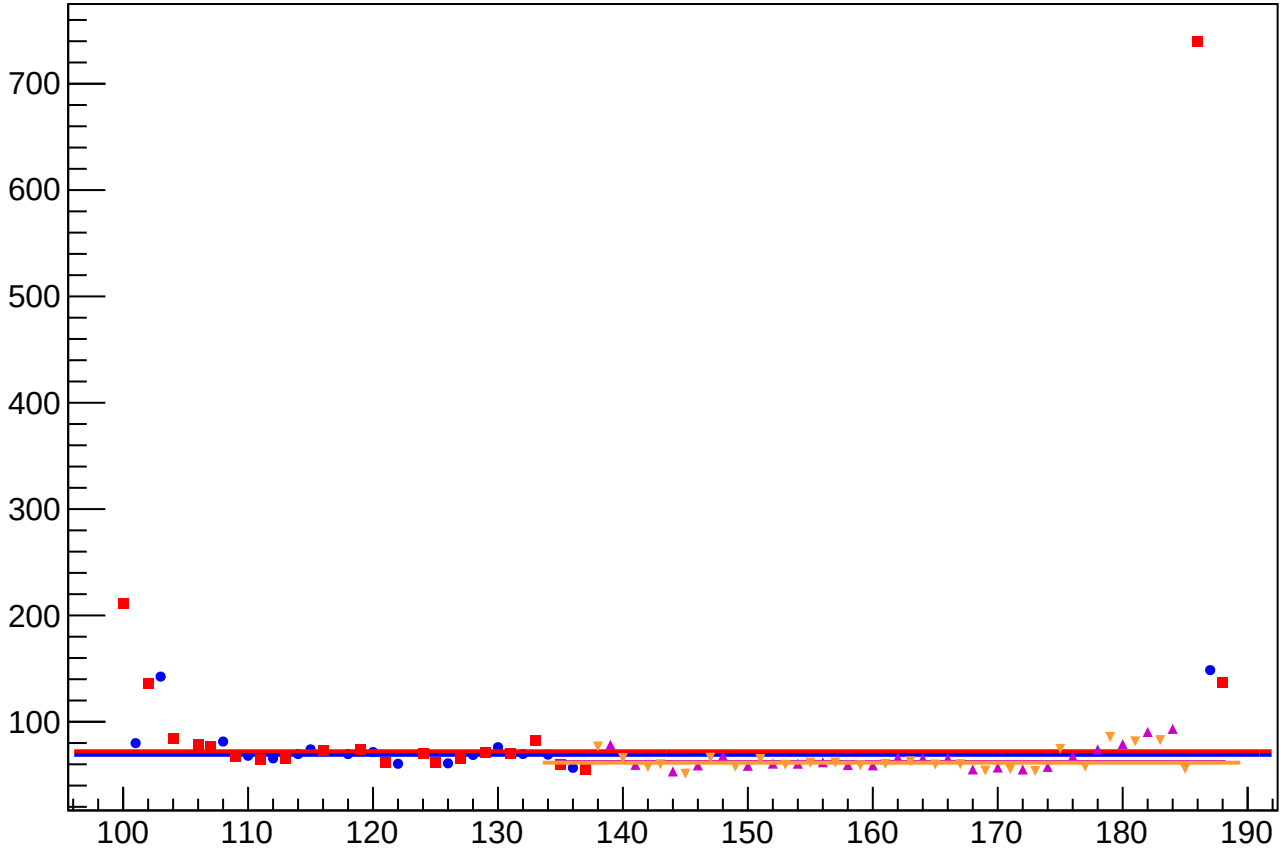
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.681+/-12.465 χ^2/NDF: 52.2/41

All: -12.781+/-8.929 χ^2/NDF: 136.7/85

- sign -59.637+/-12.796 χ^2/NDF: 58.4/43

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.950+/-0.018 χ^2/NDF: 577017.6/16

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

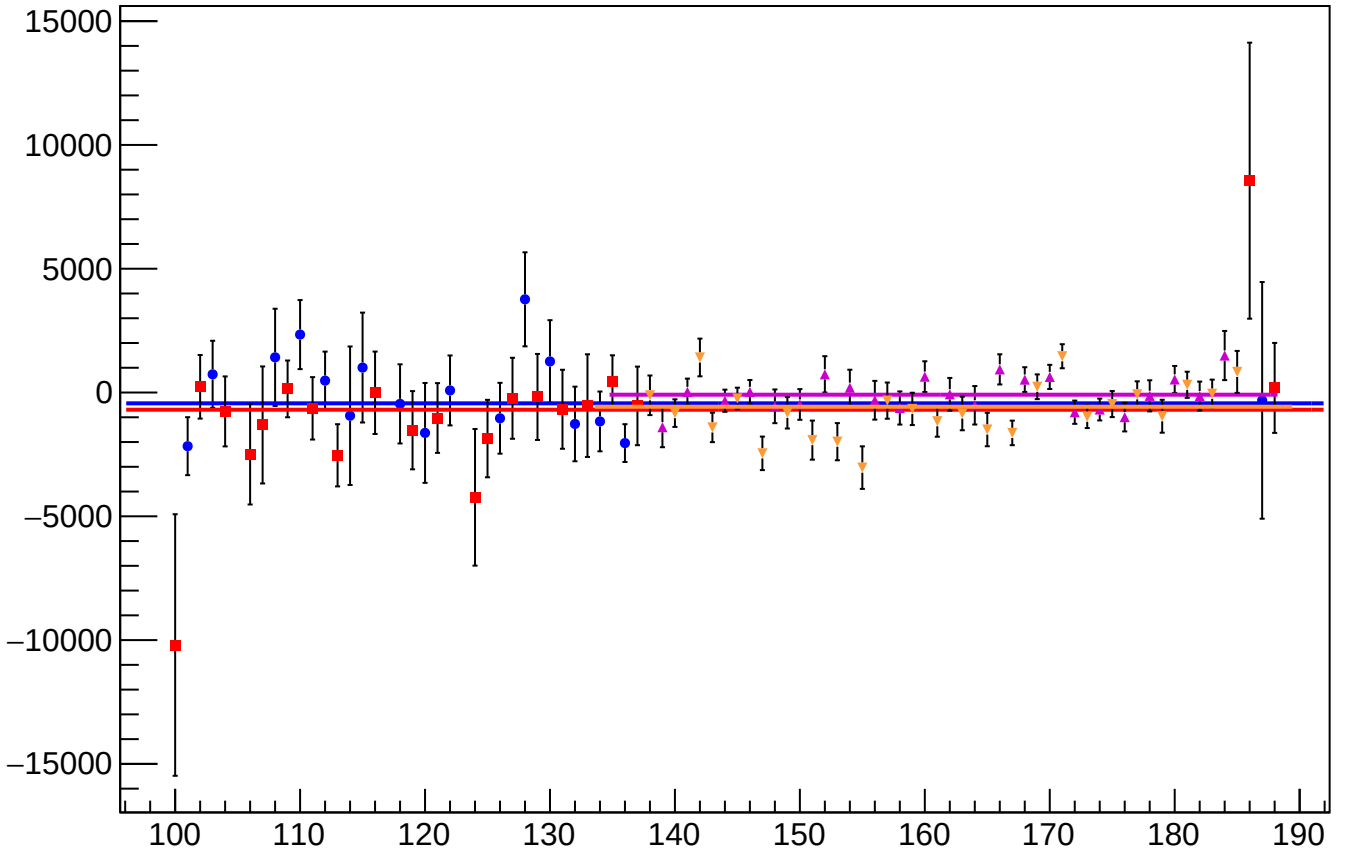
Right Out: 72.246+/-0.018 χ^2/NDF: 1625264.5/20

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.228+/-0.009 χ^2/NDF: 1338878.8/41

All: 63.899+/-0.006 χ^2/NDF: 3802471.4/85

- sign 64.606+/-0.009 χ^2/NDF: 2451696.8/43



Right In: -436.809+/-347.954 χ^2/NDF: 20.6/16

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

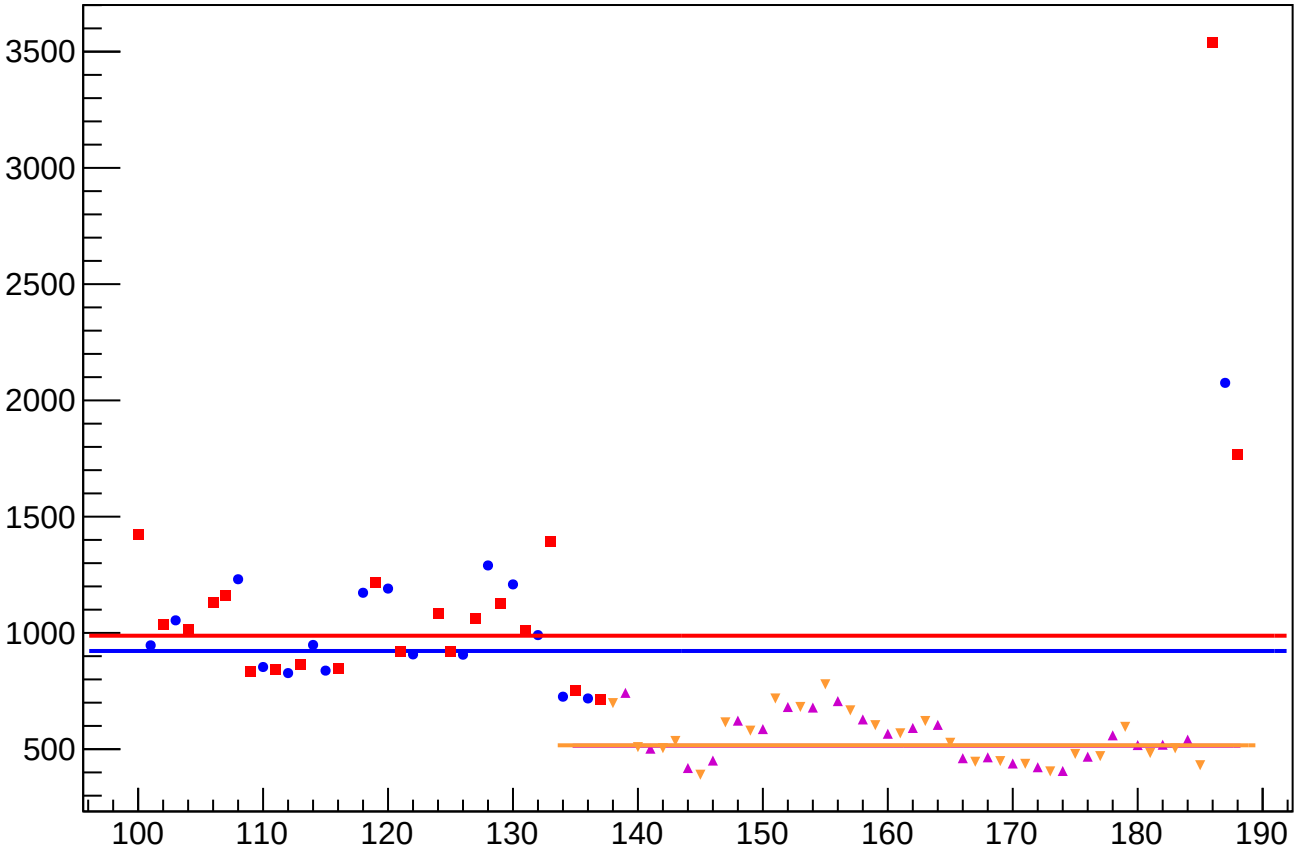
Right Out: -694.962+/-345.901 χ^2/NDF: 14.4/20

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

\+ sign -560.206+/-113.220 χ^2/NDF: 89.5/41

All: -362.038+/-80.841 χ^2/NDF: 137.4/85

\- sign -155.931+/-115.466 χ^2/NDF: 41.7/43



Right In: 922.314+/-0.246 χ^2/NDF: 626161.6/16

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 987.948+/-0.245 χ^2/NDF: 1228586.9/20

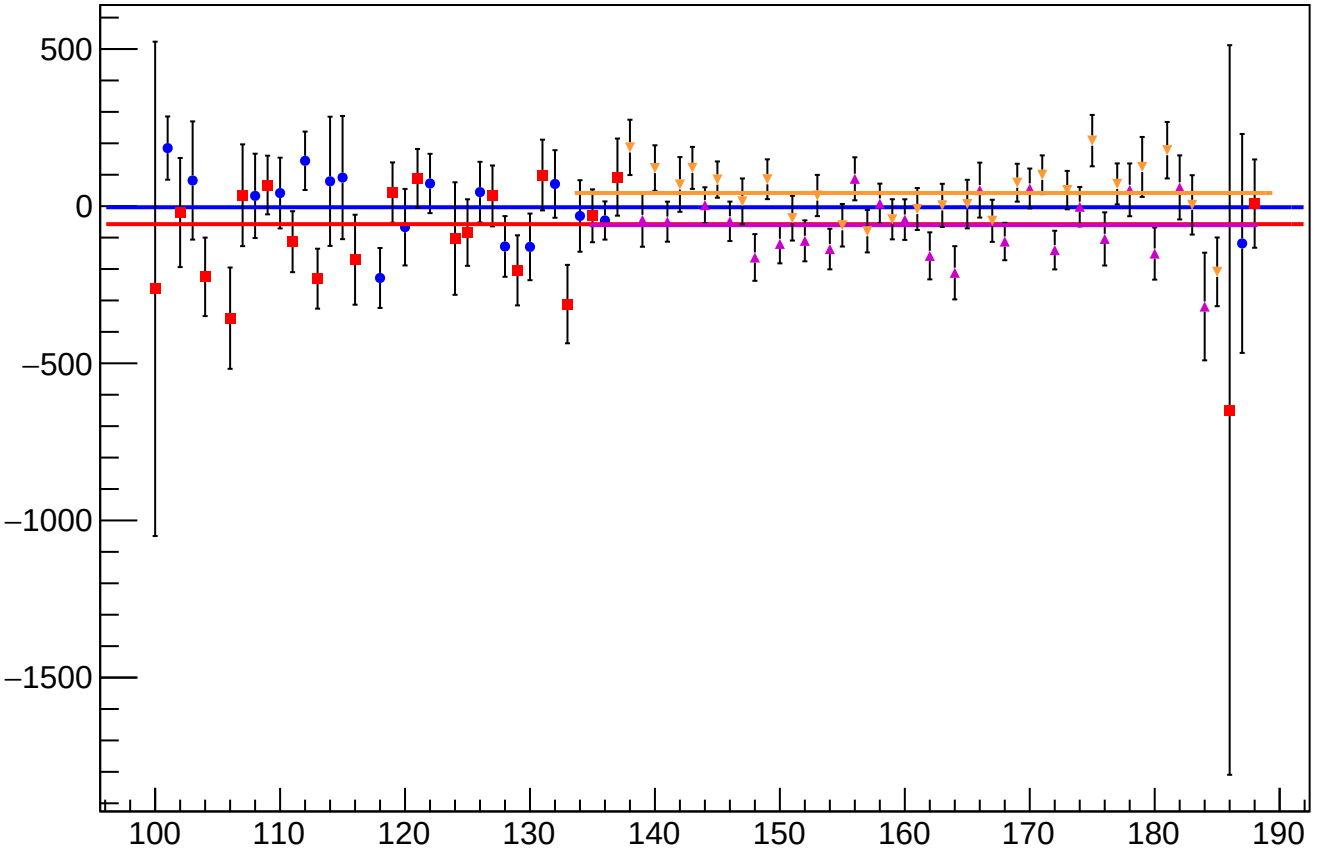
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 559.588+/-0.080 χ^2/NDF: 4322118.7/41

All: 563.469+/-0.057 χ^2/NDF: 10001352.7/85

- sign 567.506+/-0.082 χ^2/NDF: 5674438.4/43

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -3.425+/-26.139 χ^2/NDF: 17.8/16

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -57.225+/-25.924 χ^2/NDF: 26.1/20

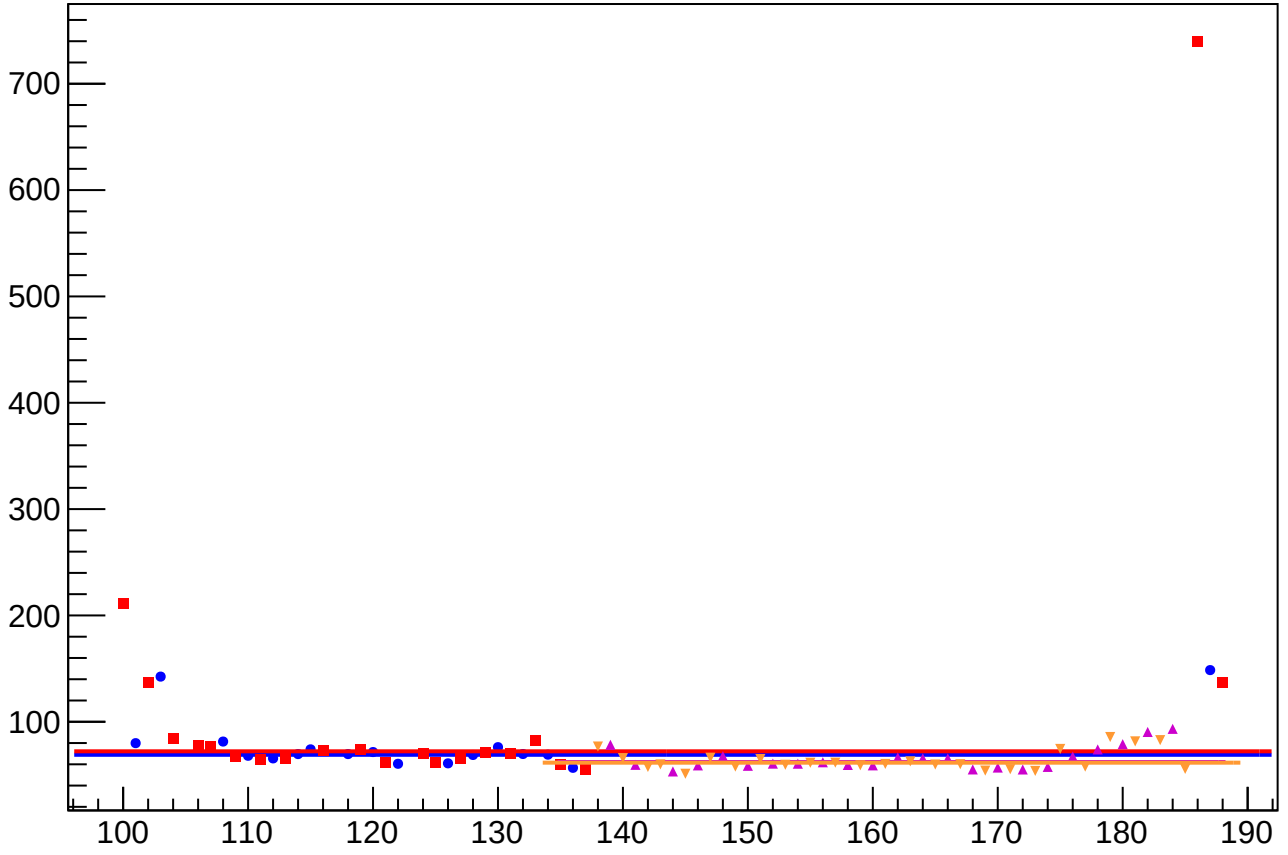
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.684+/-12.465 χ^2/NDF: 52.2/41

All: -12.765+/-8.929 χ^2/NDF: 136.6/85

- sign -59.608+/-12.796 χ^2/NDF: 58.3/43

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.950+/-0.018 χ^2/NDF: 577020.7/16

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

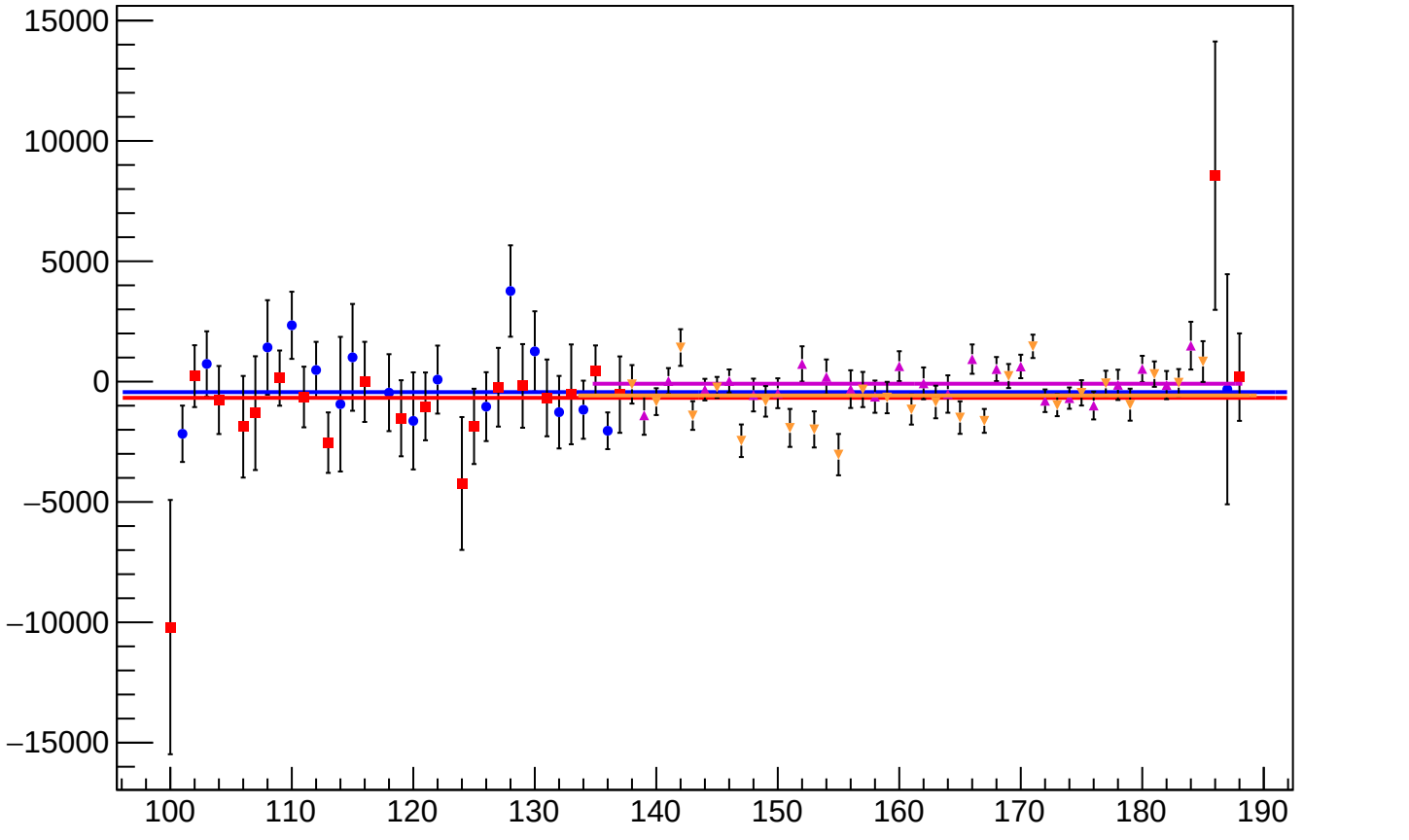
Right Out: 72.227+/-0.018 χ^2/NDF: 1624938.6/20

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.228+/-0.009 χ^2/NDF: 1338881.8/41

All: 63.897+/-0.006 χ^2/NDF: 3801219.7/85

- sign 64.601+/-0.009 χ^2/NDF: 2450522.0/43



Right In: -436.780+/-347.956 χ^2/NDF: 20.6/16

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

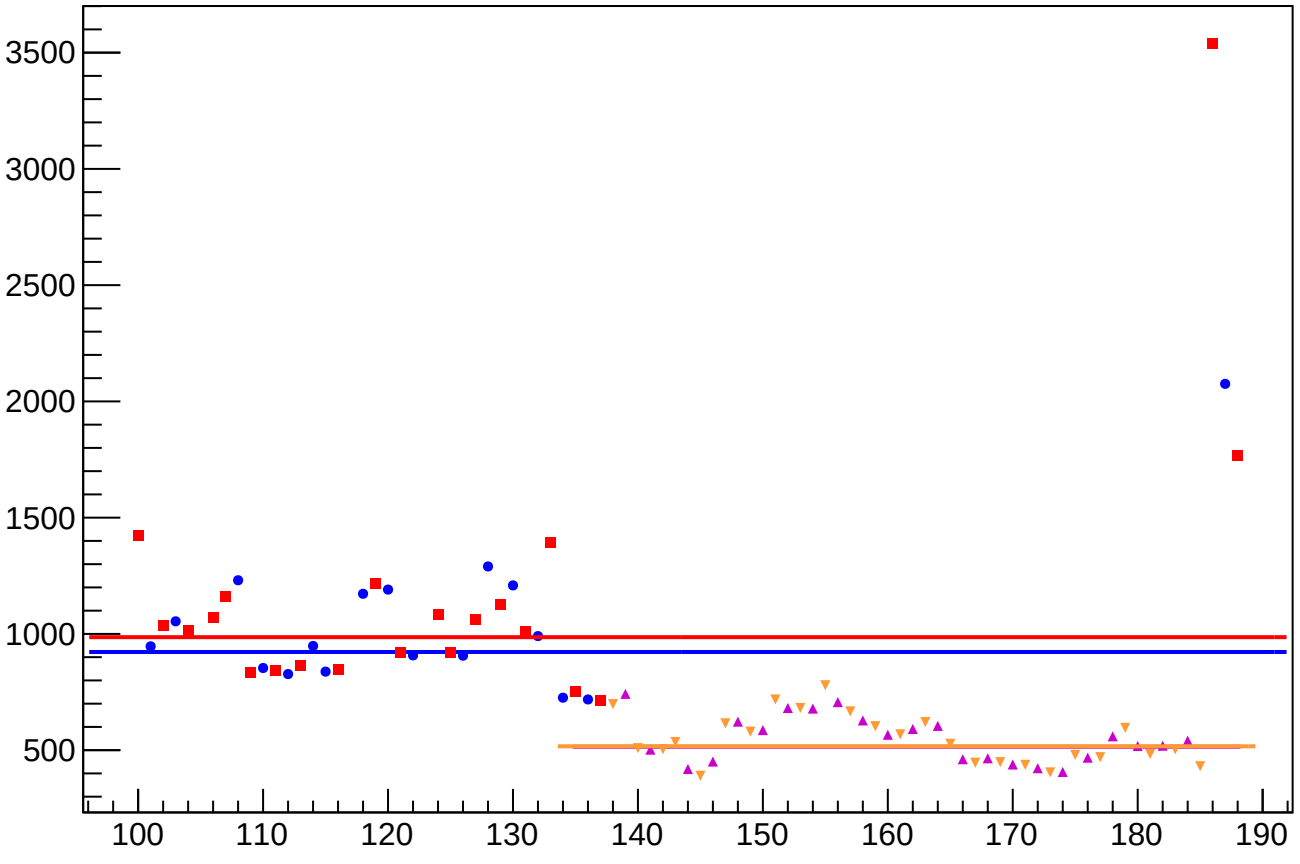
Right Out: -674.683+/-346.311 χ^2/NDF: 13.9/20

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -560.197+/-113.220 χ^2/NDF: 89.5/41

All: -360.885+/-80.846 χ^2/NDF: 136.8/85

\- sign -153.533+/-115.481 χ^2/NDF: 41.0/43



Right In: 922.318+/-0.246 χ^2/NDF: 626183.5/16

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

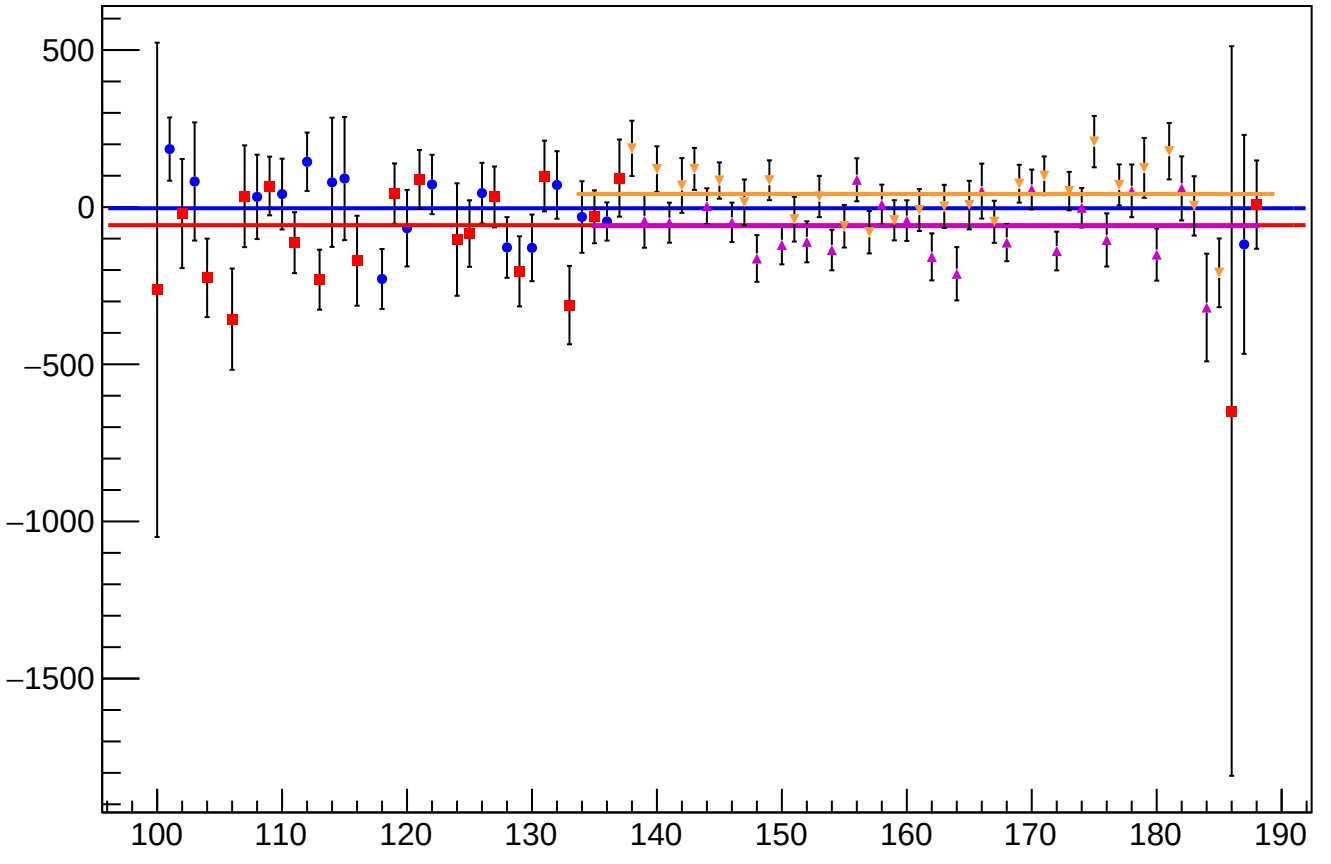
Right Out: 985.985+/-0.245 χ^2/NDF: 1221476.7/20

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

\+ sign 559.588+/-0.080 χ^2/NDF: 4322168.1/41

All: 563.307+/-0.057 χ^2/NDF: 9959435.8/85

\- sign 567.177+/-0.082 χ^2/NDF: 5632862.7/43



Right In: -3.425+/-26.139 χ^2/NDF: 17.8/16

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -57.225+/-25.924 χ^2/NDF: 26.1/20

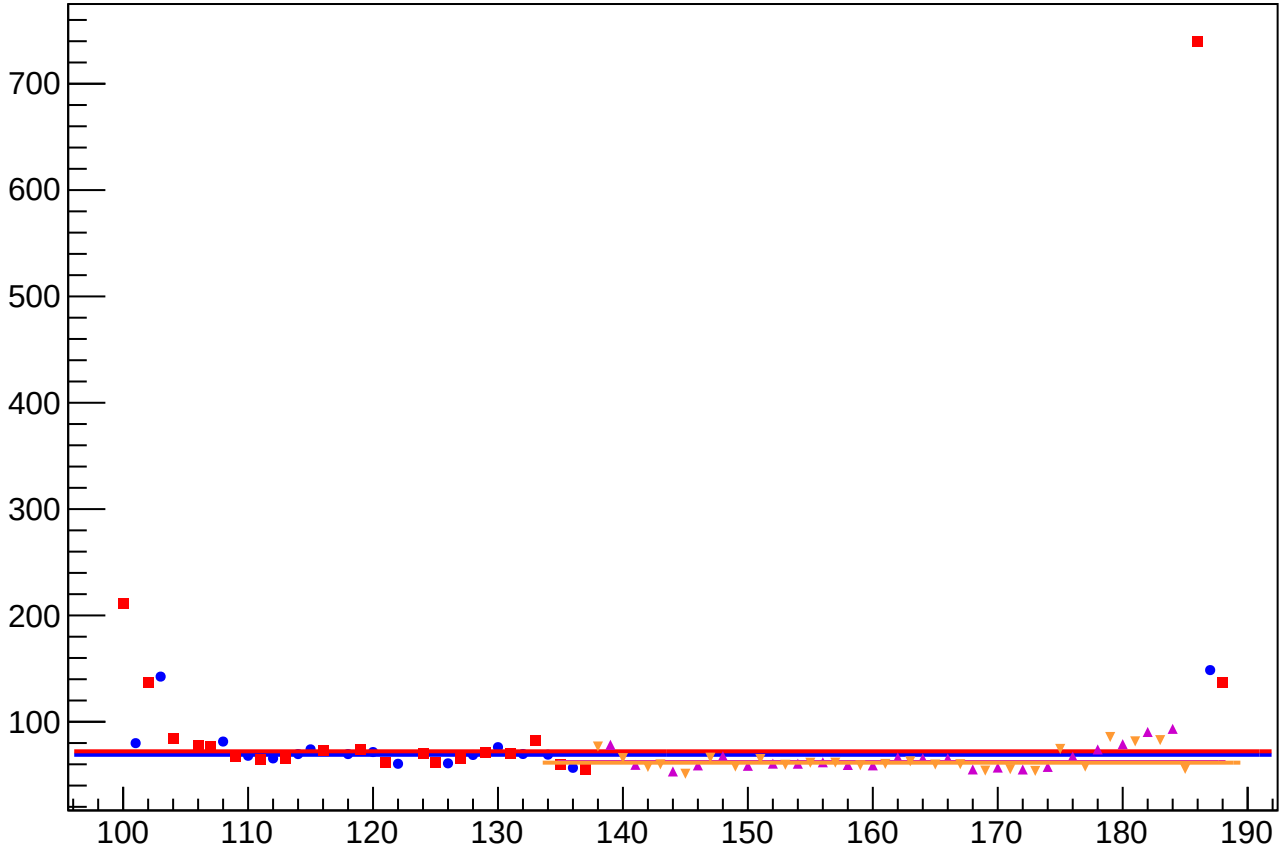
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.684+/-12.465 χ^2/NDF: 52.2/41

All: -12.765+/-8.929 χ^2/NDF: 136.6/85

- sign -59.608+/-12.796 χ^2/NDF: 58.3/43

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.950+/-0.018 χ^2/NDF: 577020.7/16

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

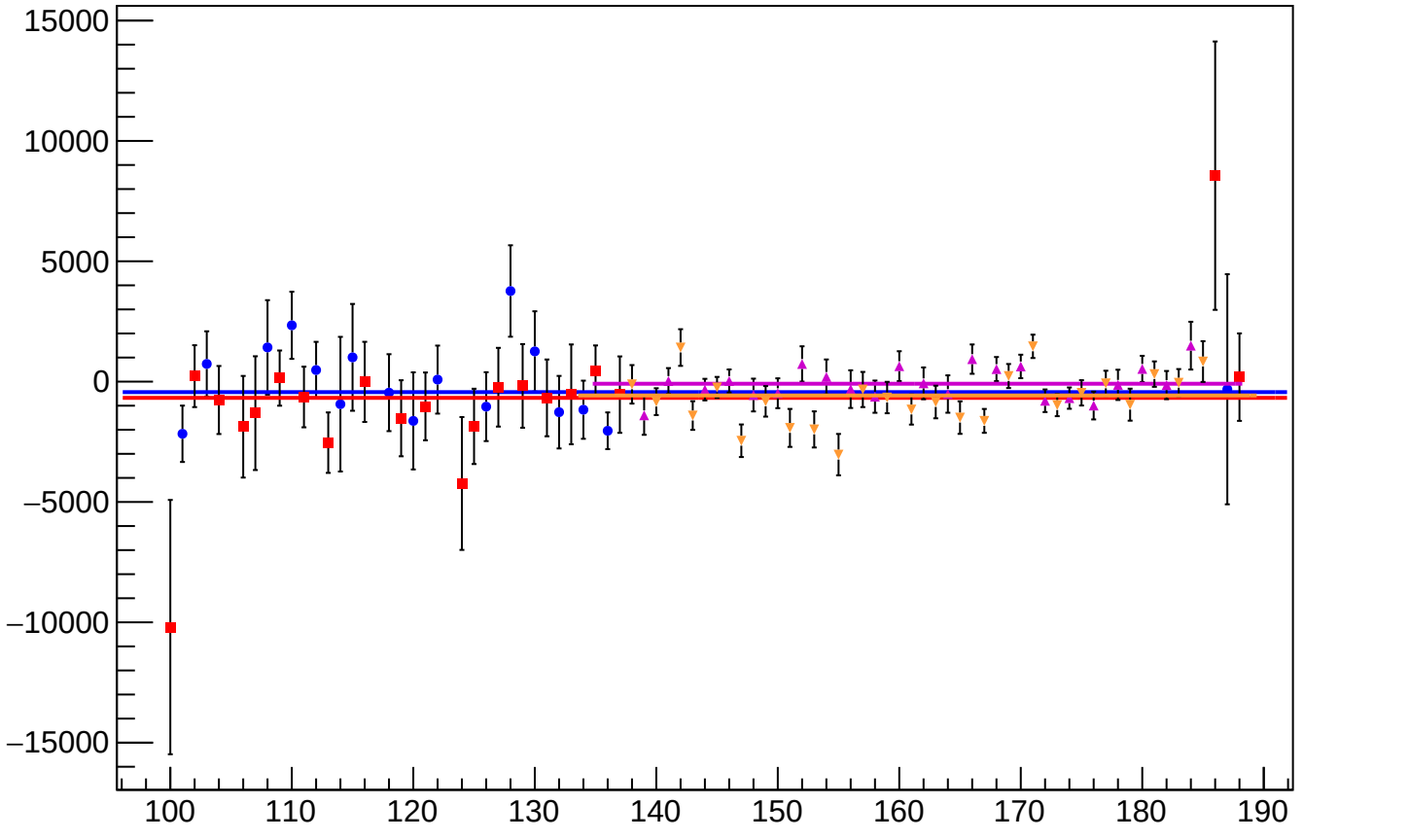
Right Out: 72.227+/-0.018 χ^2/NDF: 1624938.6/20

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.228+/-0.009 χ^2/NDF: 1338881.8/41

All: 63.897+/-0.006 χ^2/NDF: 3801219.7/85

- sign 64.601+/-0.009 χ^2/NDF: 2450522.0/43



Right In: -436.780+/-347.956 χ^2/NDF: 20.6/16

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

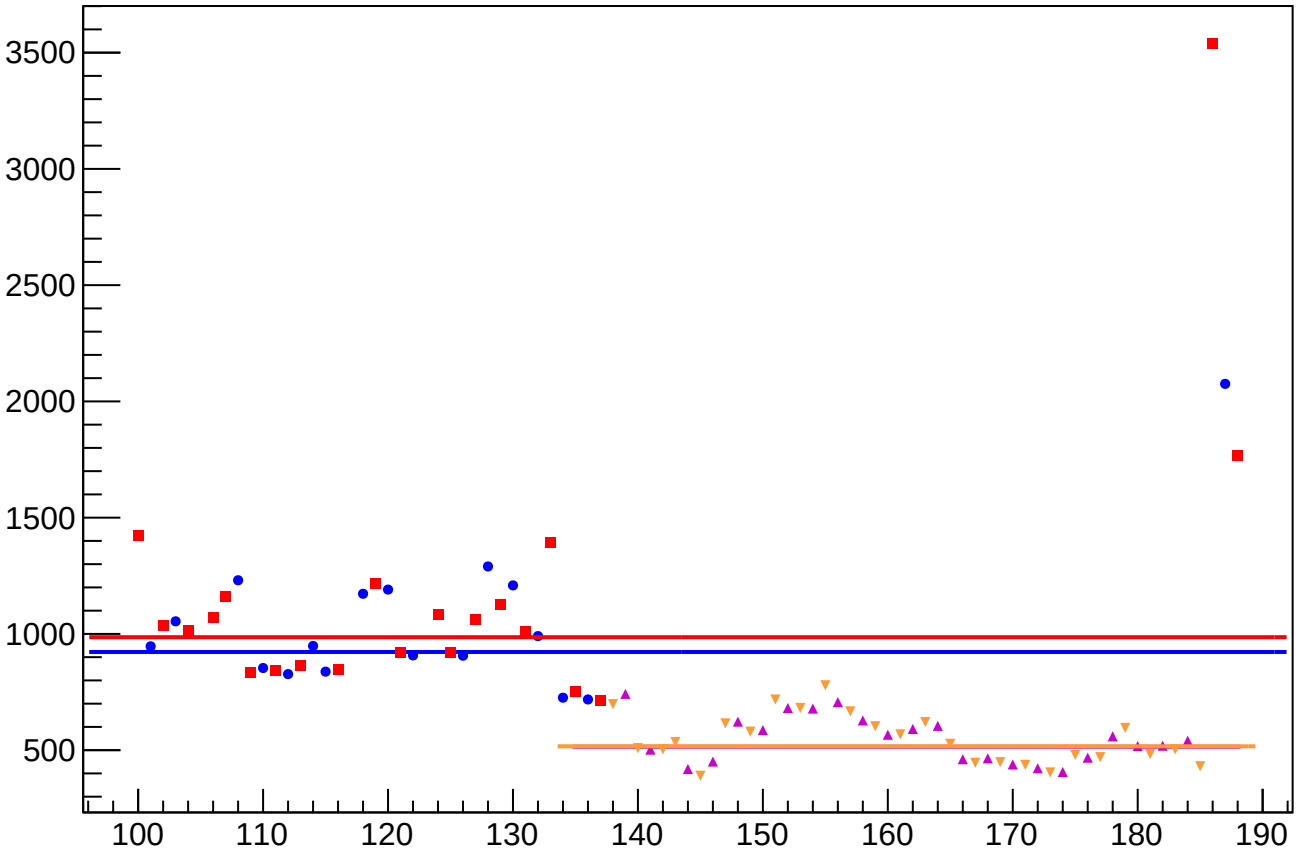
Right Out: -674.683+/-346.311 χ^2/NDF: 13.9/20

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -560.197+/-113.220 χ^2/NDF: 89.5/41

All: -360.885+/-80.846 χ^2/NDF: 136.8/85

\- sign -153.533+/-115.481 χ^2/NDF: 41.0/43


asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
110
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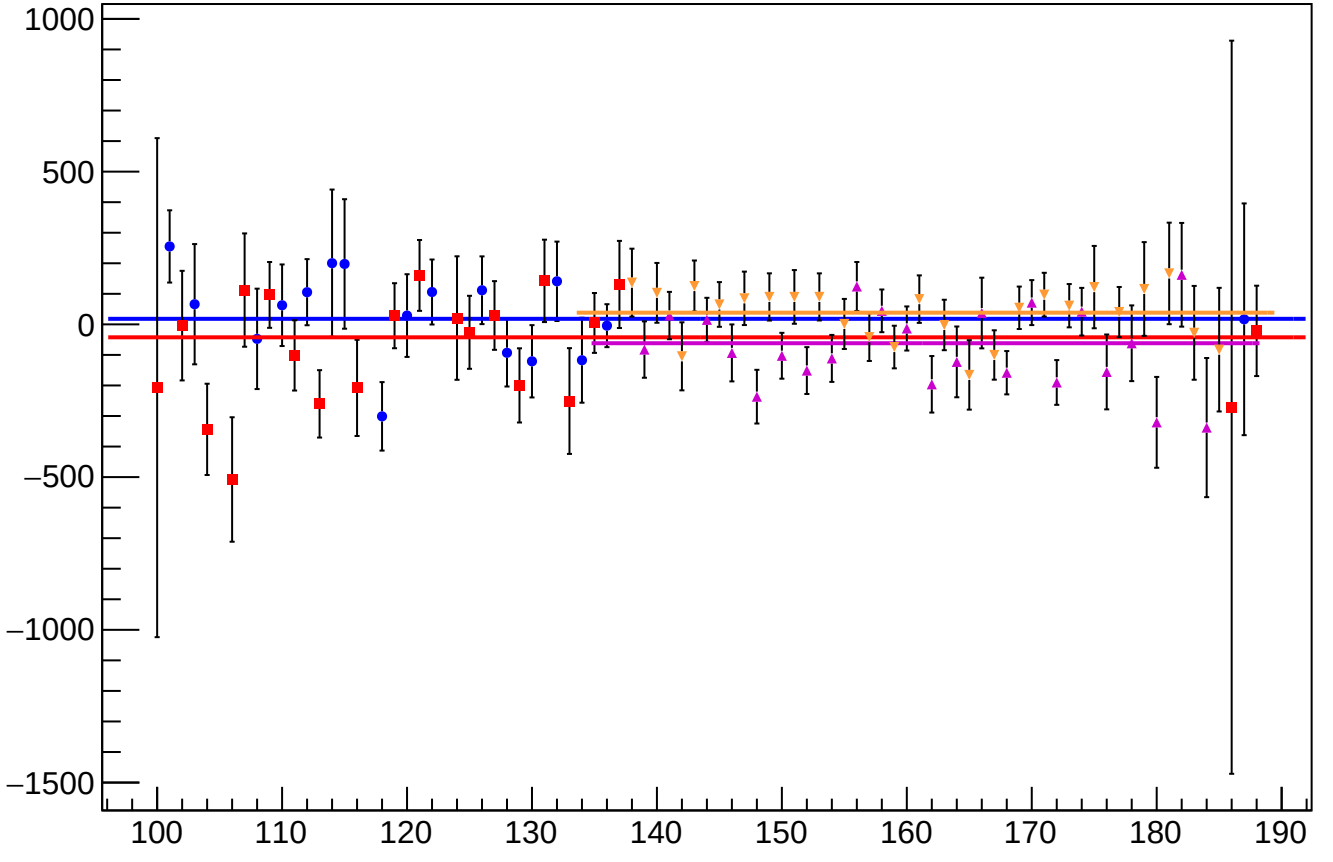
140
150
160
170
180
190
Right In: 922.318+/-0.246 χ²/NDF: 626183.5/16
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 985.985+/-0.245 χ²/NDF: 1221476.7/20
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 559.588+/-0.080 χ²/NDF: 4322168.1/41
All: 563.307+/-0.057 χ²/NDF: 9959435.8/85
- sign 567.177+/-0.082 χ²/NDF: 5632862.7/43

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.165+/-30.250 χ^2/NDF: 20.1/16

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -42.388+/-30.057 χ^2/NDF: 27.8/20

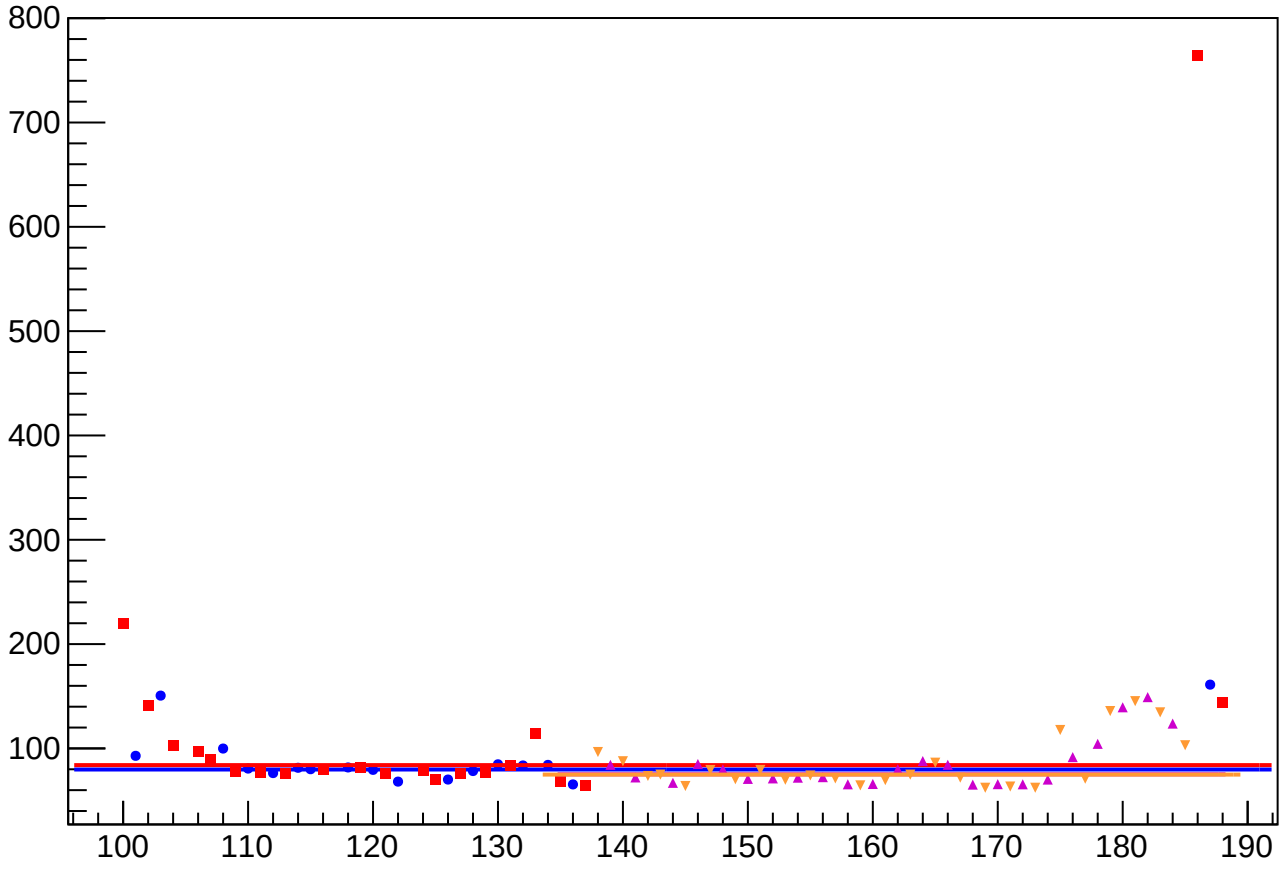
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 33.164+/-15.257 χ^2/NDF: 39.3/41

All: -10.798+/-10.895 χ^2/NDF: 121.0/85

- sign -56.540+/-15.563 χ^2/NDF: 64.8/43

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.784+/-0.021 χ^2/NDF: 537529.9/16

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

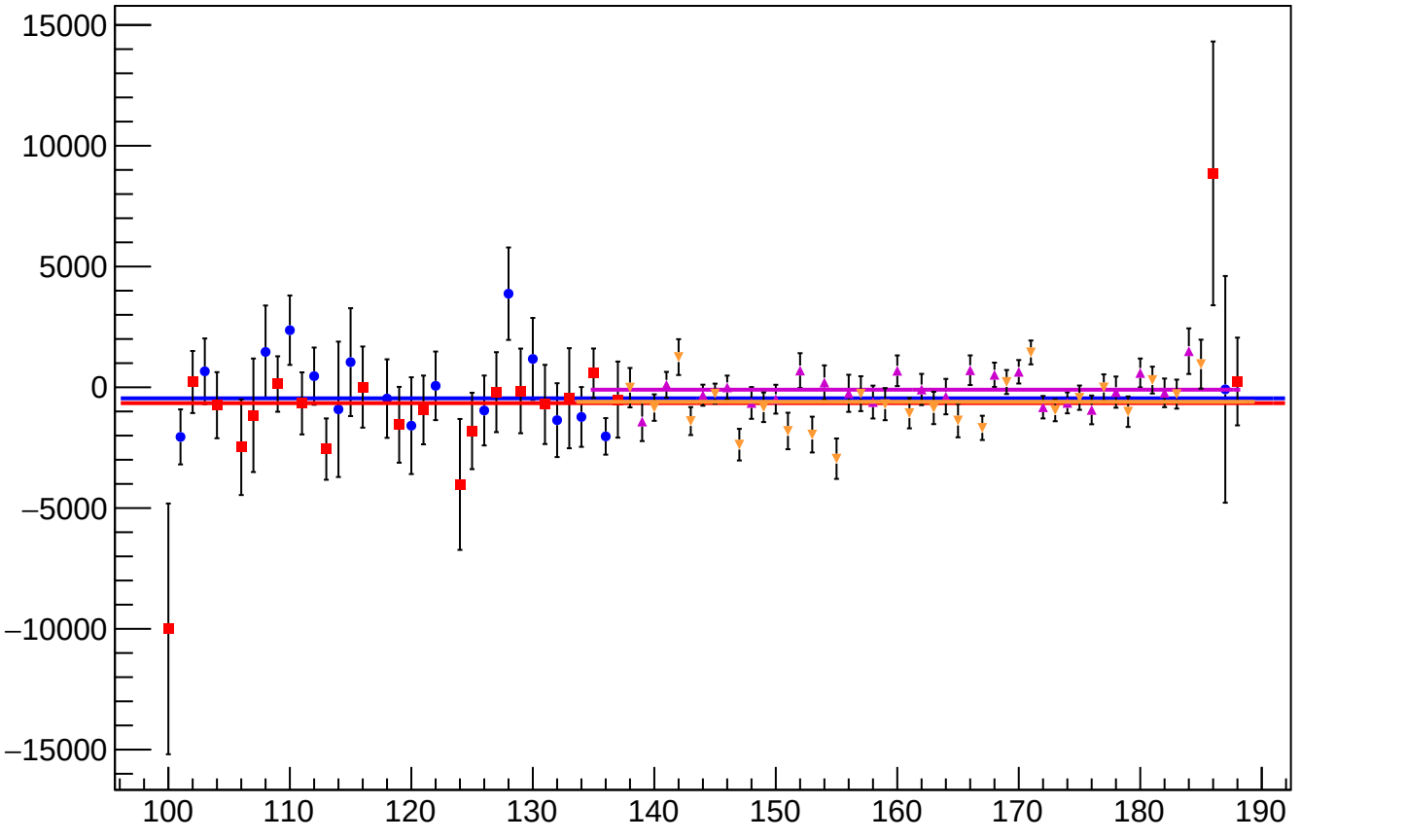
Right Out: 83.994+/-0.021 χ^2/NDF: 1506473.6/20

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 76.144+/-0.011 χ^2/NDF: 2237906.0/41

All: 76.821+/-0.008 χ^2/NDF: 5191510.4/85

- sign 77.525+/-0.011 χ^2/NDF: 2945578.3/43



Right In: -456.045+/-349.105 χ^2/NDF: 20.3/16

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

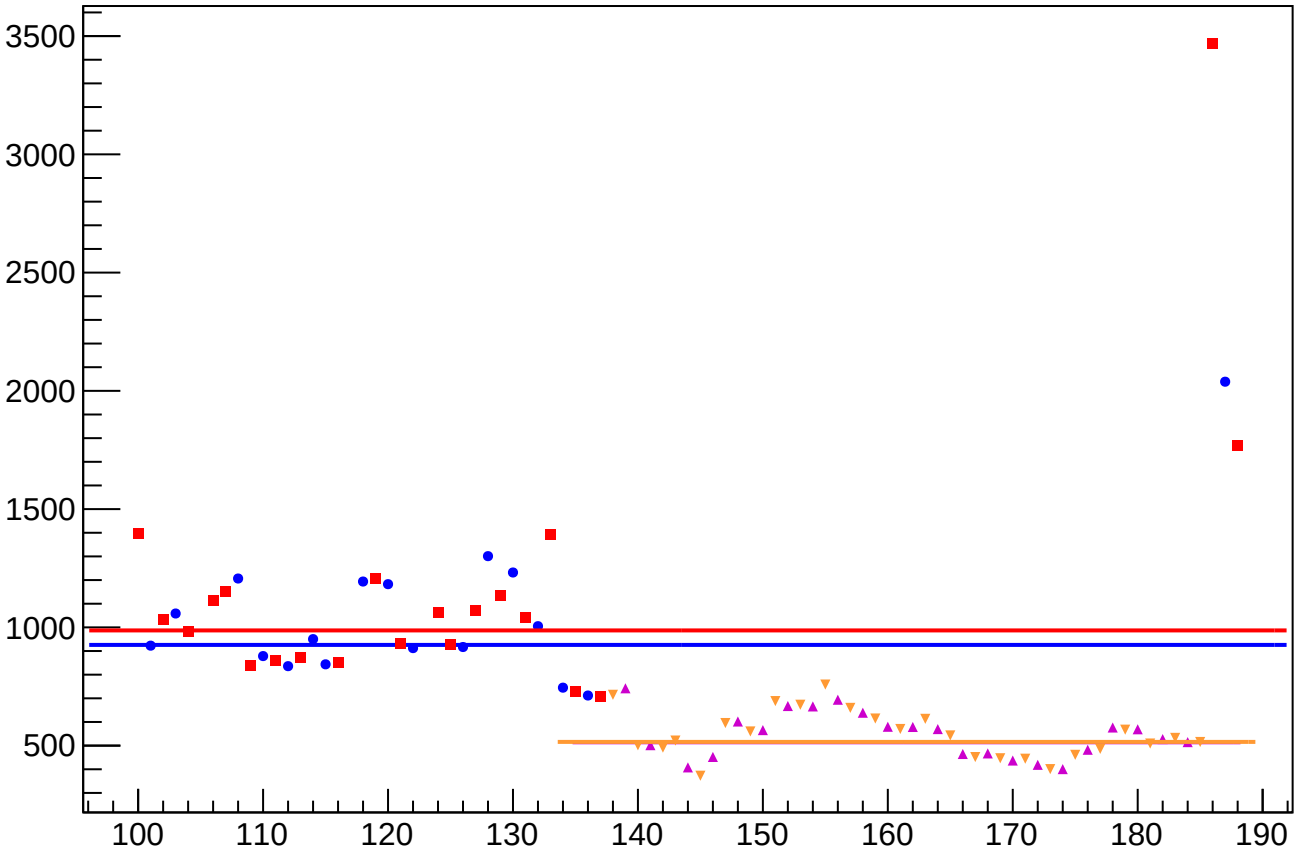
Right Out: -655.356+/-345.420 χ^2/NDF: 14.8/20

Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -583.891+/-112.910 χ^2/NDF: 85.5/41

All: -376.902+/-80.670 χ^2/NDF: 133.2/85

- sign -161.075+/-115.296 χ^2/NDF: 40.8/43



Right In: 925.832+/-0.247 χ^2/NDF: 628555.7/16

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 987.093+/-0.244 χ^2/NDF: 1235064.2/20

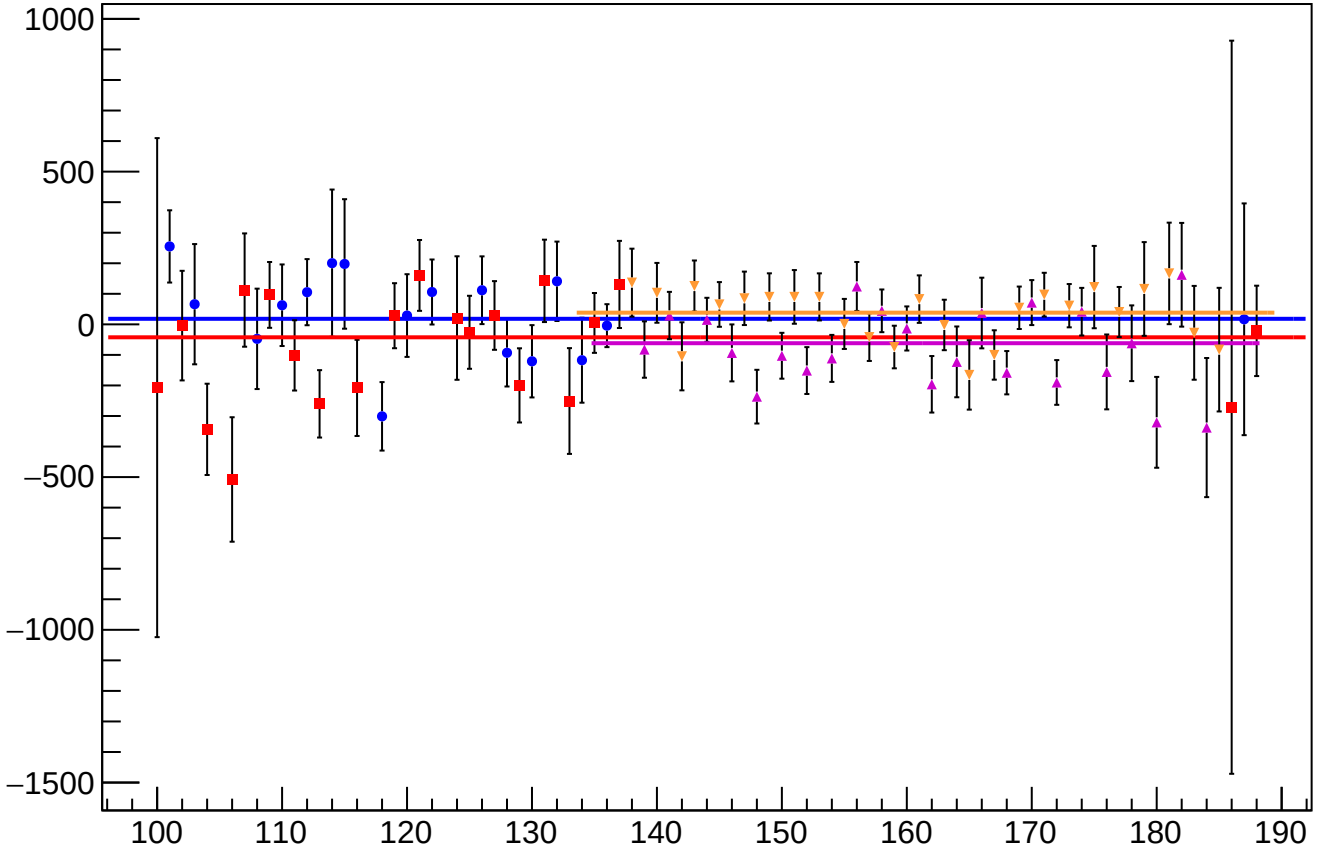
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 558.657+/-0.080 χ^2/NDF: 4331900.6/41

All: 562.637+/-0.057 χ^2/NDF: 10021393.4/85

- sign 566.786+/-0.082 χ^2/NDF: 5684418.3/43

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.165+/-30.250 χ^2/NDF: 20.1/16

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -42.387+/-30.057 χ^2/NDF: 27.8/20

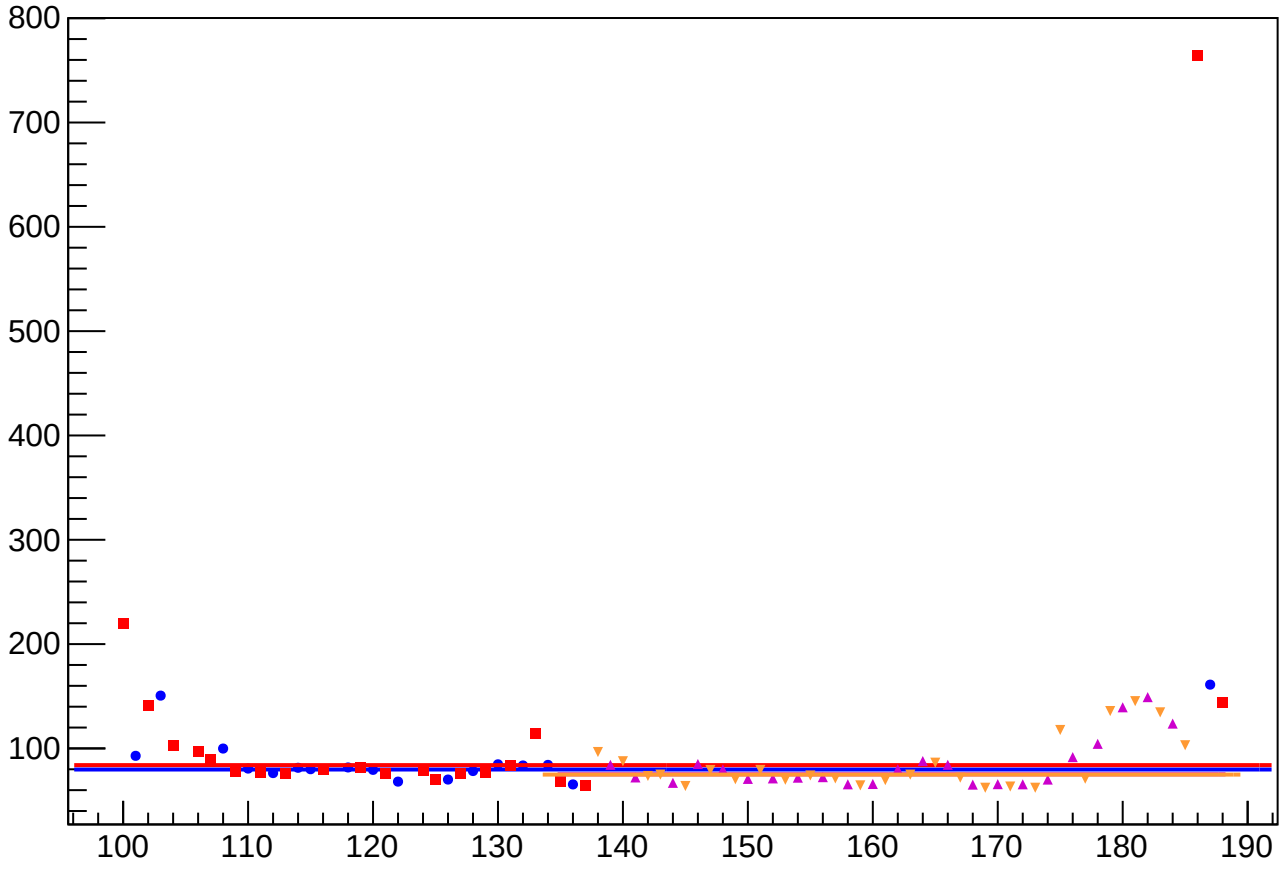
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 33.164+/-15.257 χ^2/NDF: 39.3/41

All: -10.798+/-10.895 χ^2/NDF: 121.0/85

- sign -56.539+/-15.563 χ^2/NDF: 64.8/43

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.783+/-0.021 χ^2/NDF: 537529.6/16

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

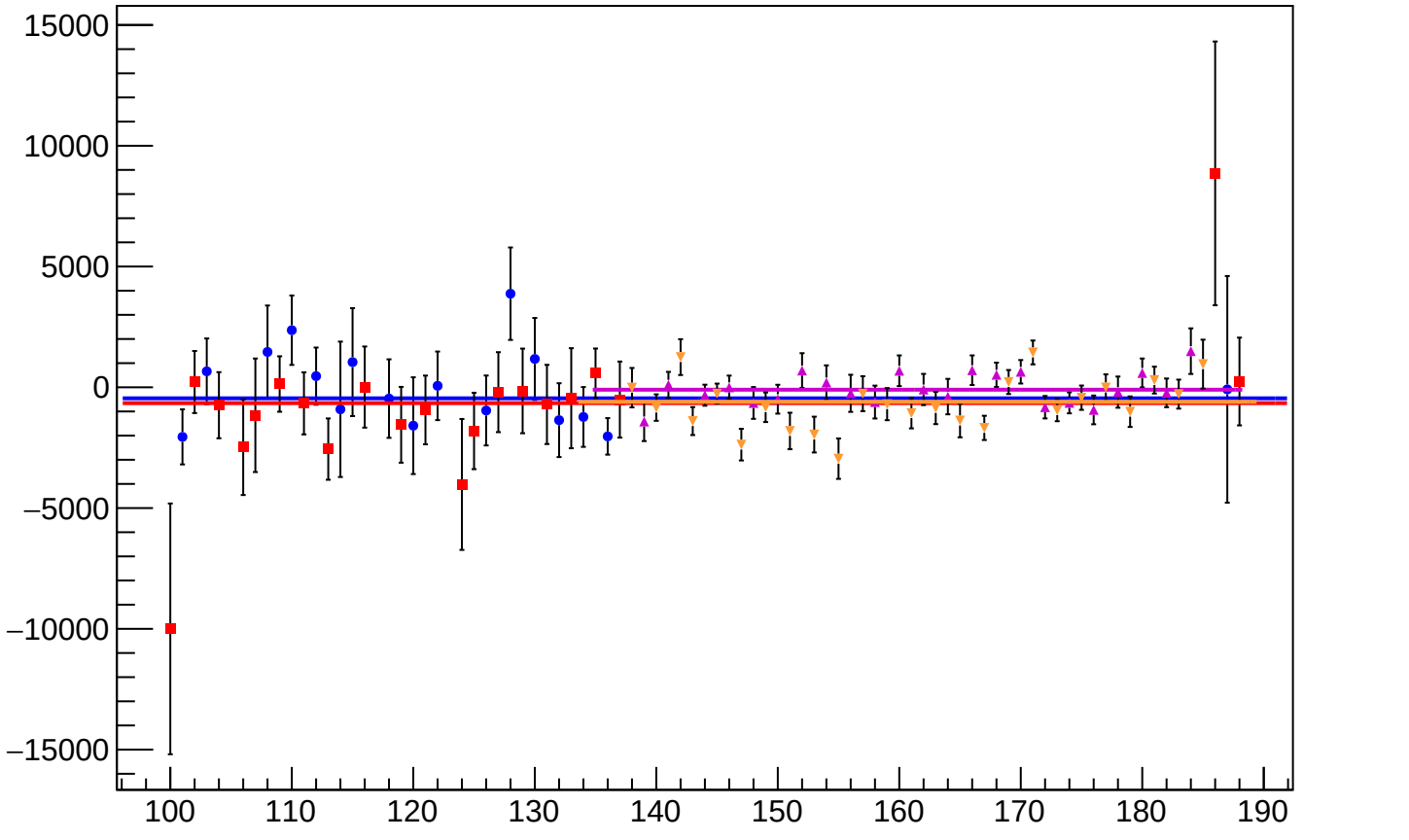
Right Out: 83.993+/-0.021 χ^2/NDF: 1506488.6/20

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 76.145+/-0.011 χ^2/NDF: 2237896.7/41

All: 76.821+/-0.008 χ^2/NDF: 5191488.7/85

- sign 77.525+/-0.011 χ^2/NDF: 2945565.5/43



Right In: -456.042+/-349.104 χ^2/NDF: 20.3/16

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: -655.355+/-345.420 χ^2/NDF: 14.8/20

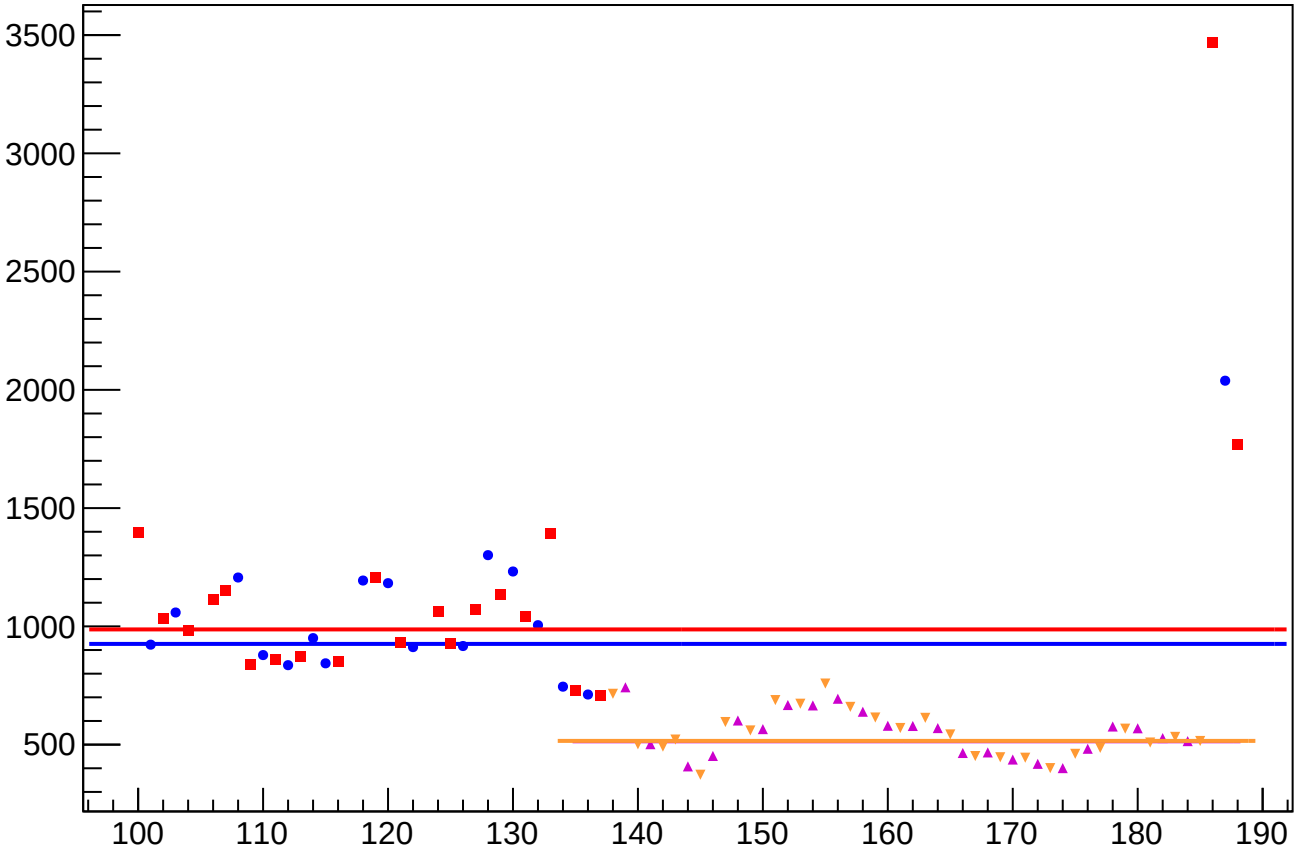
Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -583.889+/-112.910 χ^2/NDF: 85.5/41

All: -376.901+/-80.670 χ^2/NDF: 133.2/85

- sign -161.075+/-115.296 χ^2/NDF: 40.8/43

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug



Right In: 925.830+/-0.247 χ^2/NDF: 628555.8/16

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 987.090+/-0.244 χ^2/NDF: 1235065.6/20

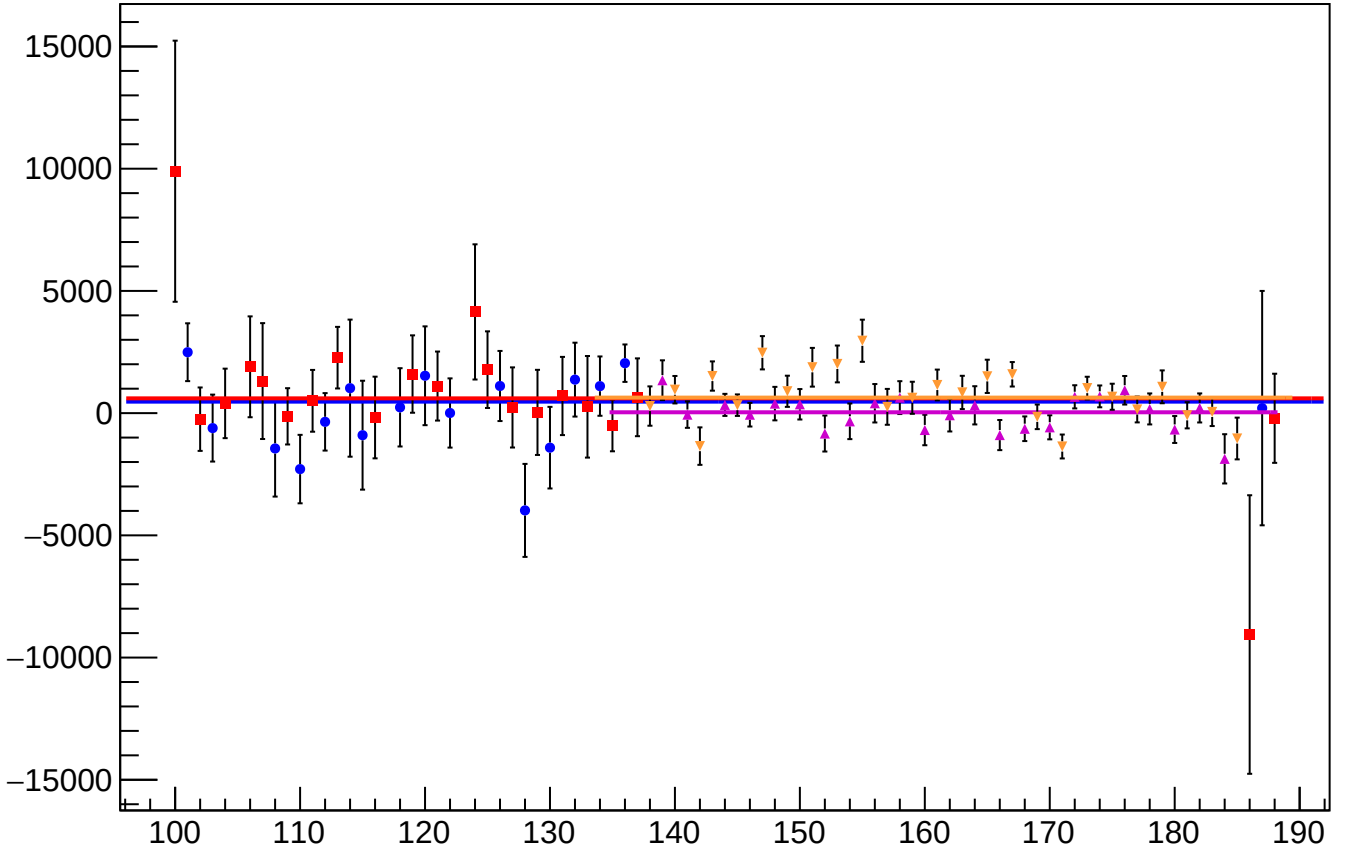
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 558.656+/-0.080 χ^2/NDF: 4331900.7/41

All: 562.636+/-0.057 χ^2/NDF: 10021388.0/85

- sign 566.785+/-0.082 χ^2/NDF: 5684412.6/43

asym_sam_12345678_avg_mean vs Slug



Right In: 470.597+/-349.444 χ^2/NDF: 21.5/16

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 604.313+/-347.347 χ^2/NDF: 13.4/20

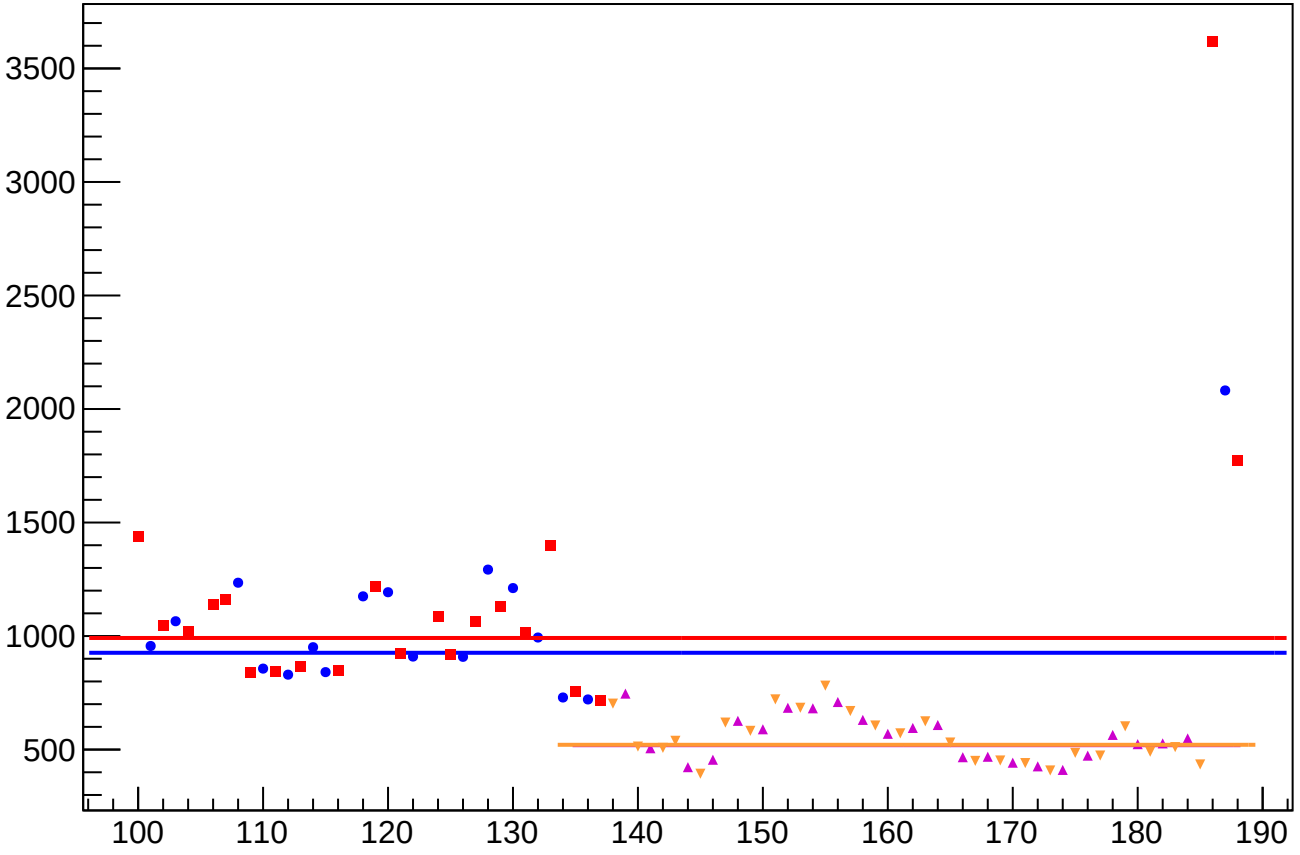
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 617.279+/-114.100 χ^2/NDF: 86.2/41

All: 363.133+/-81.475 χ^2/NDF: 137.2/85

- sign 98.739+/-116.378 χ^2/NDF: 40.9/43

asym_sam_12345678_avg_rms vs Slug



Right In: 926.296+/-0.247 χ^2/NDF: 625464.6/16

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

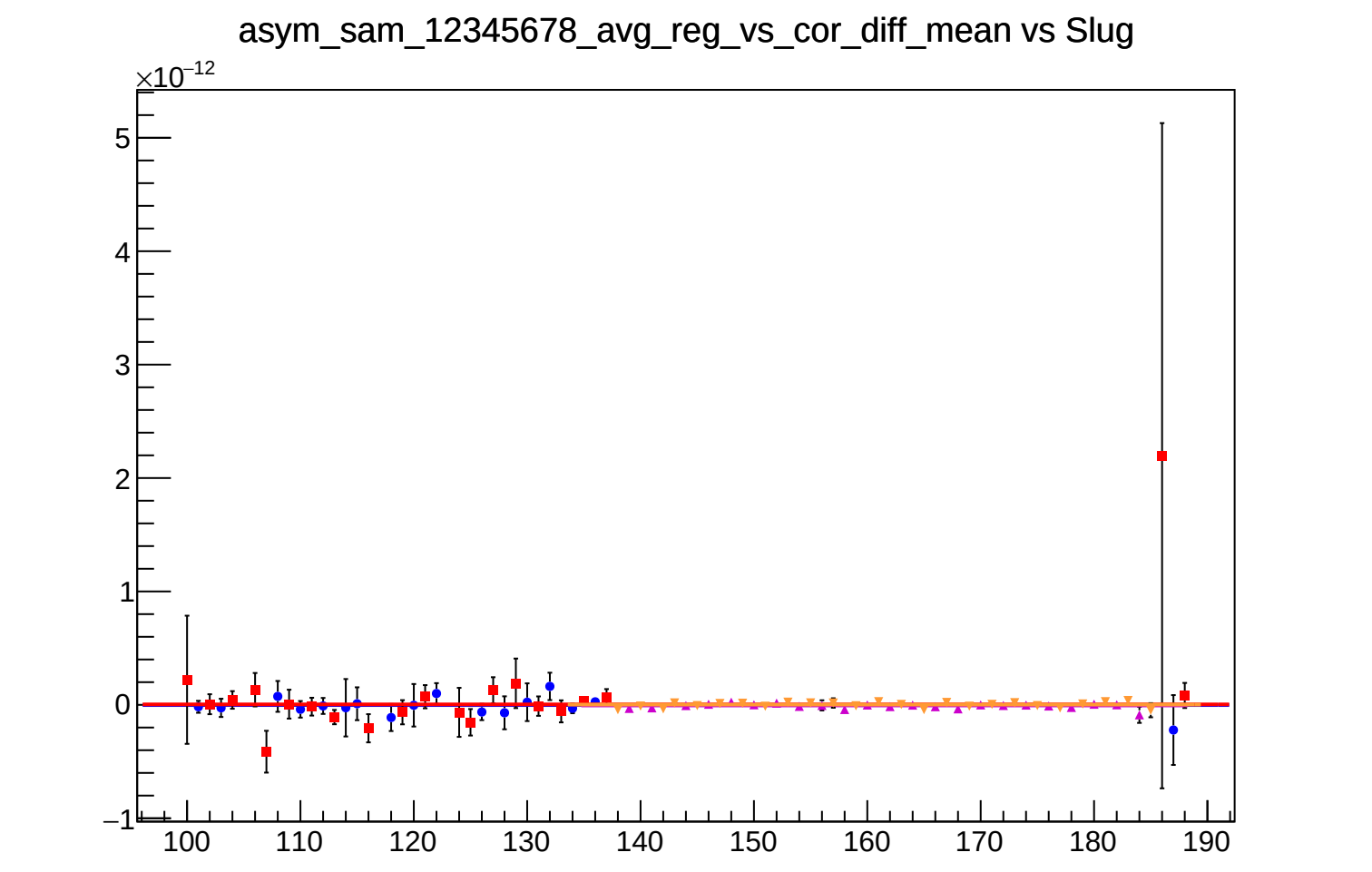
Right Out: 991.521+/-0.246 χ^2/NDF: 1235782.8/20

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 564.233+/-0.081 χ^2/NDF: 4271754.5/41

All: 568.166+/-0.058 χ^2/NDF: 9895341.3/85

- sign 572.257+/-0.082 χ^2/NDF: 5618739.8/43



Right In: -0.000+/-0.000 χ^2/NDF: 7.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

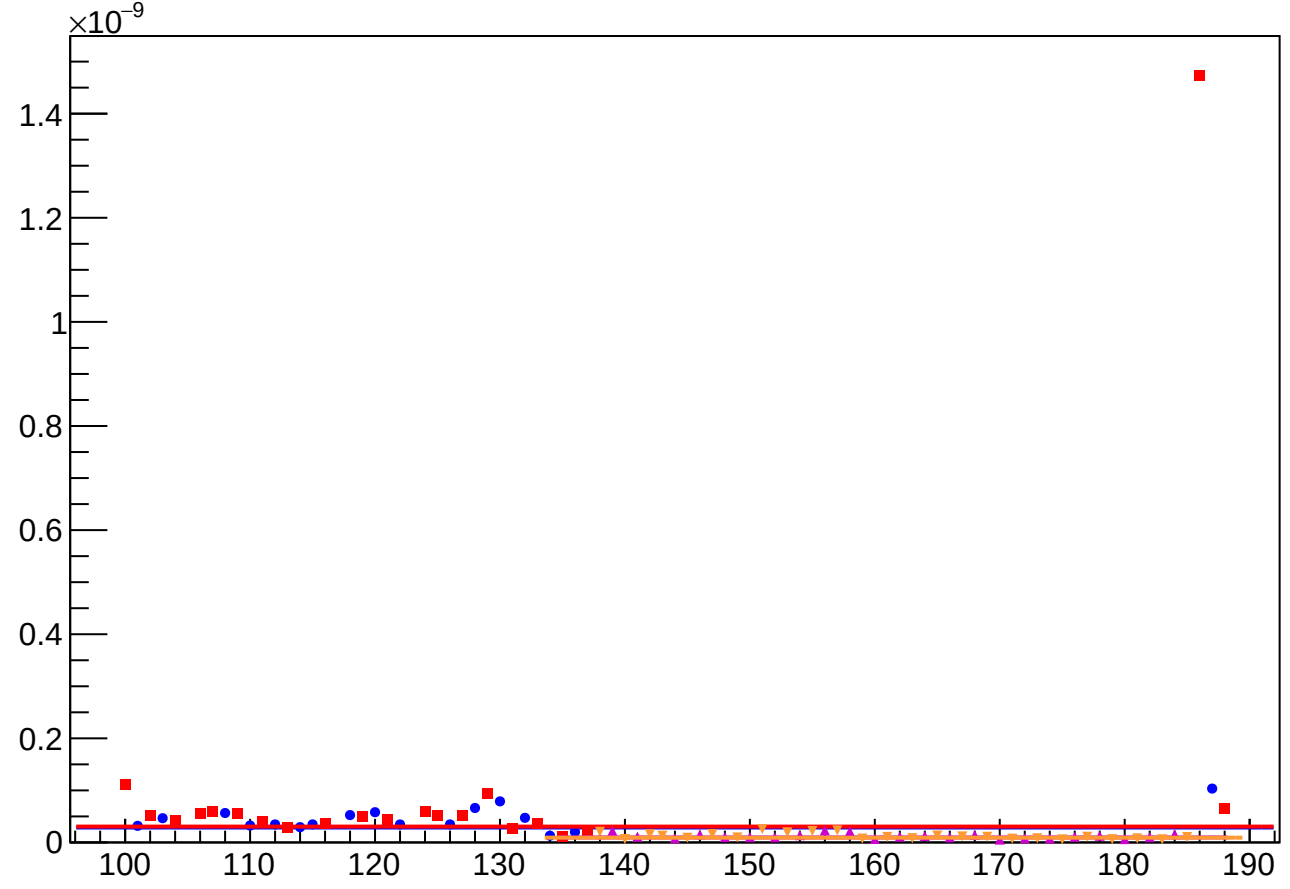
Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/20

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.0/41

All: -0.000+/-0.000 χ^2/NDF: 63.1/85

- sign -0.000+/-0.000 χ^2/NDF: 31.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 1270528.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

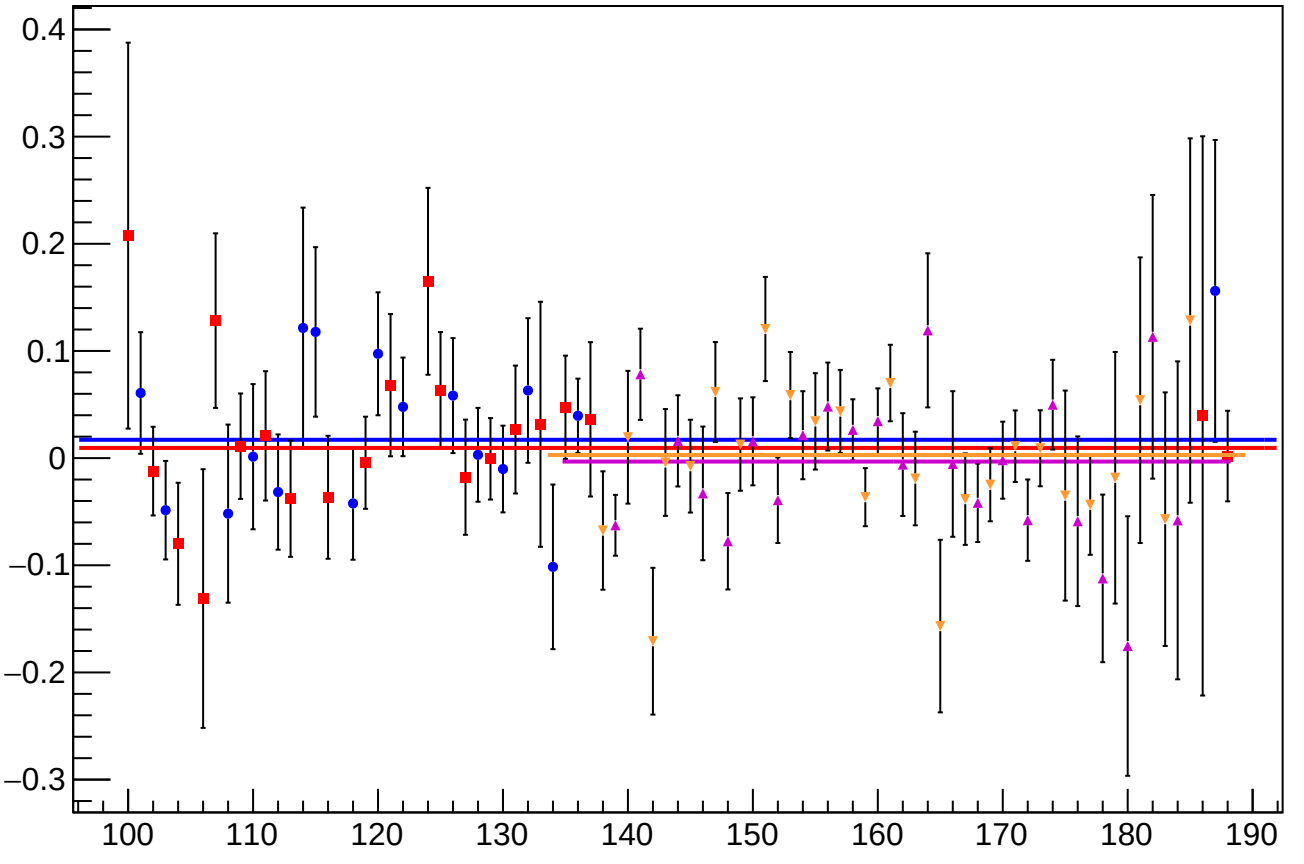
Right Out: 0.000+/-0.000 χ^2/NDF: 2345715.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5737420.1/41

All: 0.000+/-0.000 χ^2/NDF: 12026186.0/85

- sign 0.000+/-0.000 χ^2/NDF: 6277440.7/43



Right In: 0.017+/-0.013 χ^2/NDF: 15.7/16

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

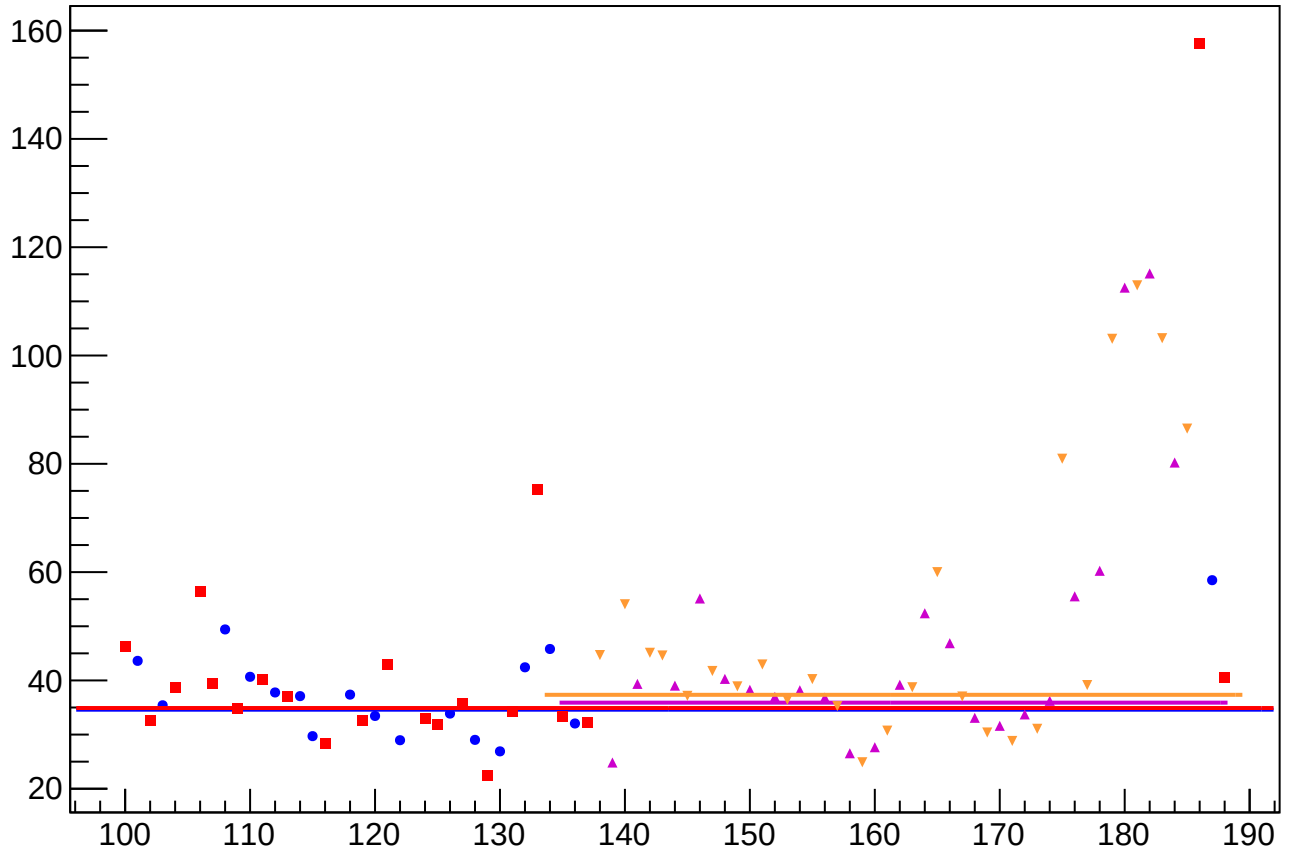
Right Out: 0.010+/-0.013 χ^2/NDF: 15.2/20

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.008 χ^2/NDF: 49.4/41

All: 0.004+/-0.005 χ^2/NDF: 95.4/85

- sign 0.001+/-0.007 χ^2/NDF: 45.7/43



Right In: 34.598+/-0.009 χ^2/NDF: 426067.9/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

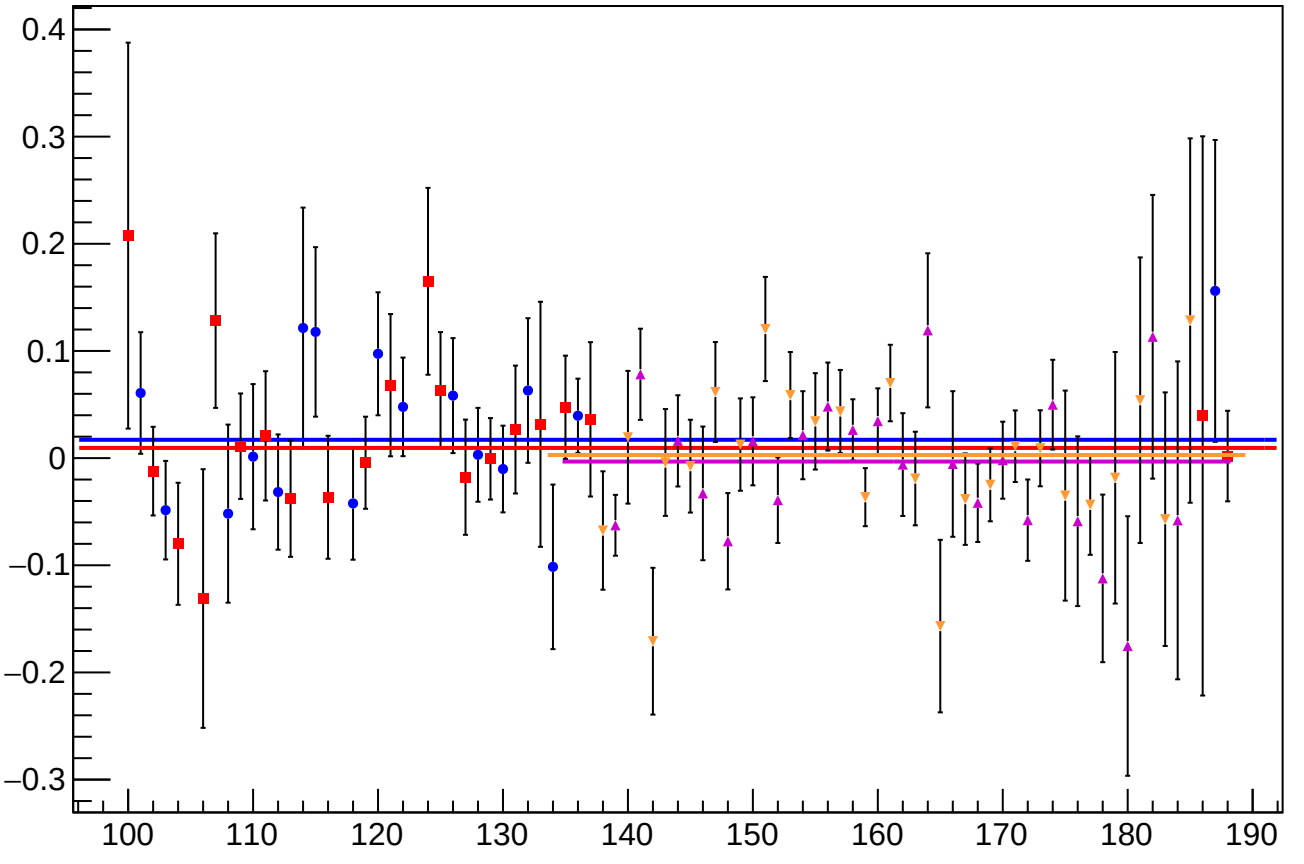
Right Out: 34.904+/-0.009 χ^2/NDF: 1127814.3/20

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.451+/-0.005 χ^2/NDF: 4179926.3/41

All: 35.990+/-0.004 χ^2/NDF: 8468455.8/85

- sign 35.553+/-0.005 χ^2/NDF: 4274220.1/43



Right In: 0.017+/-0.013 χ^2/NDF: 15.7/16

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

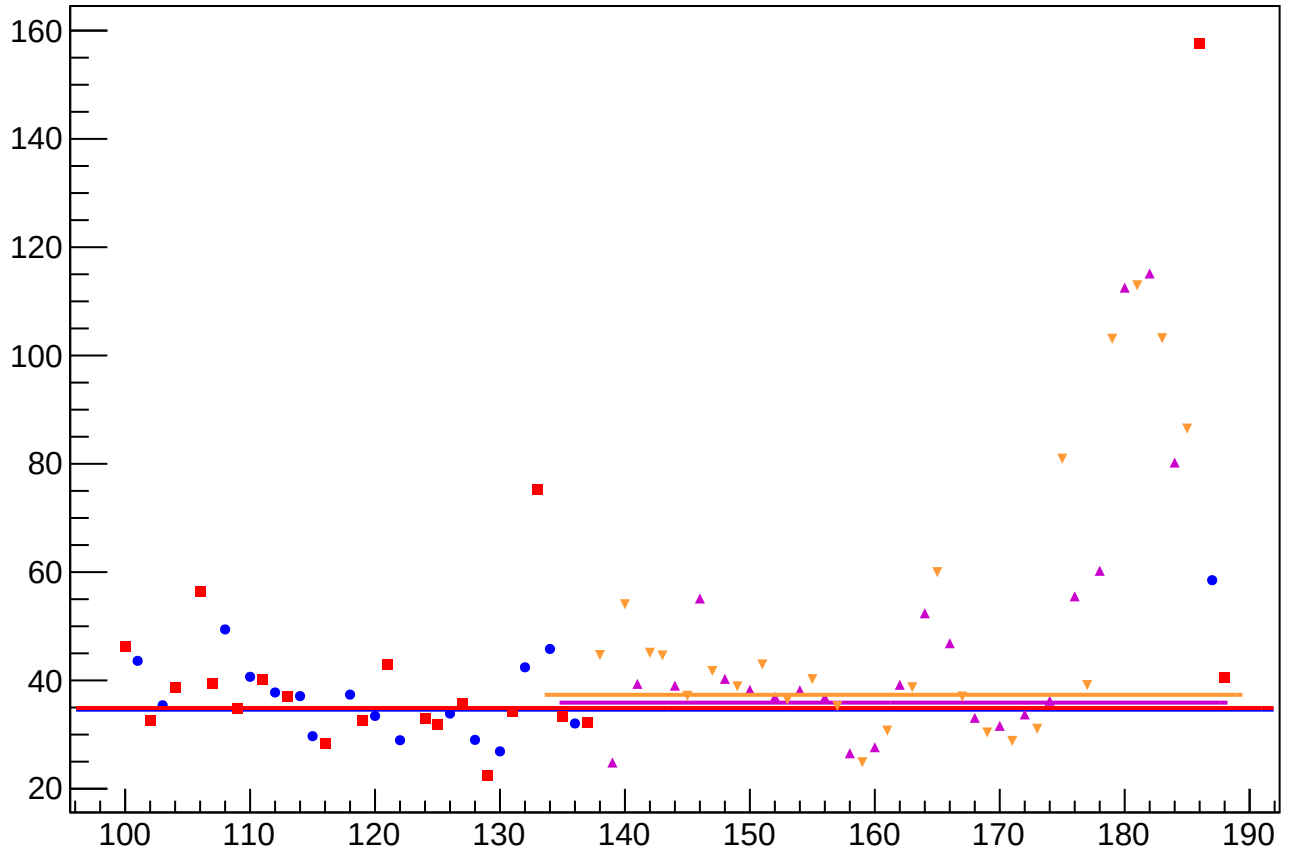
Right Out: 0.010+/-0.013 χ^2/NDF: 15.2/20

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.008 χ^2/NDF: 49.4/41

All: 0.004+/-0.005 χ^2/NDF: 95.4/85

- sign 0.001+/-0.007 χ^2/NDF: 45.7/43



Right In: 34.598+/-0.009 χ^2/NDF: 426067.9/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

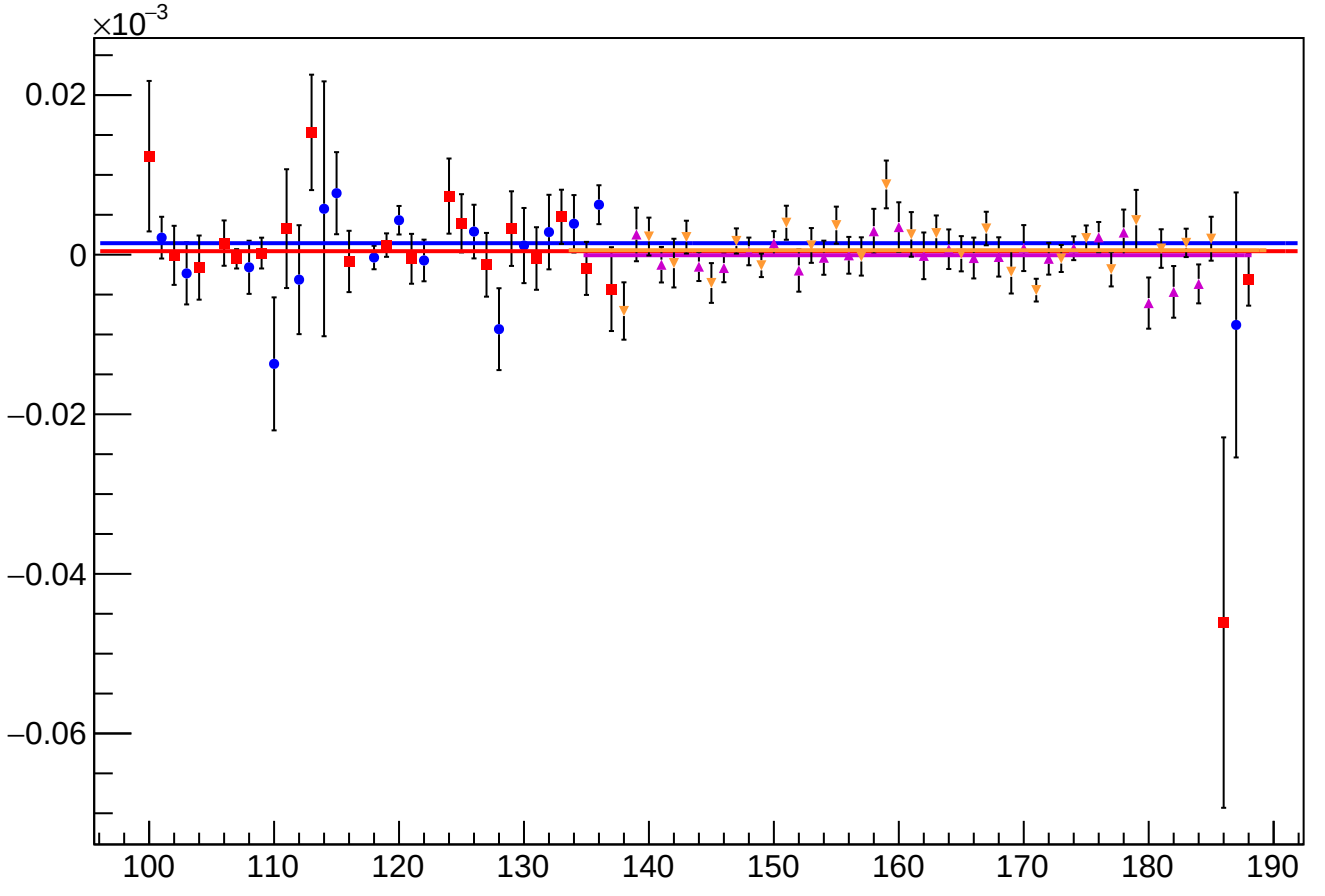
Right Out: 34.904+/-0.009 χ^2/NDF: 1127814.3/20

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.451+/-0.005 χ^2/NDF: 4179926.3/41

All: 35.990+/-0.004 χ^2/NDF: 8468455.8/85

- sign 35.553+/-0.005 χ^2/NDF: 4274220.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

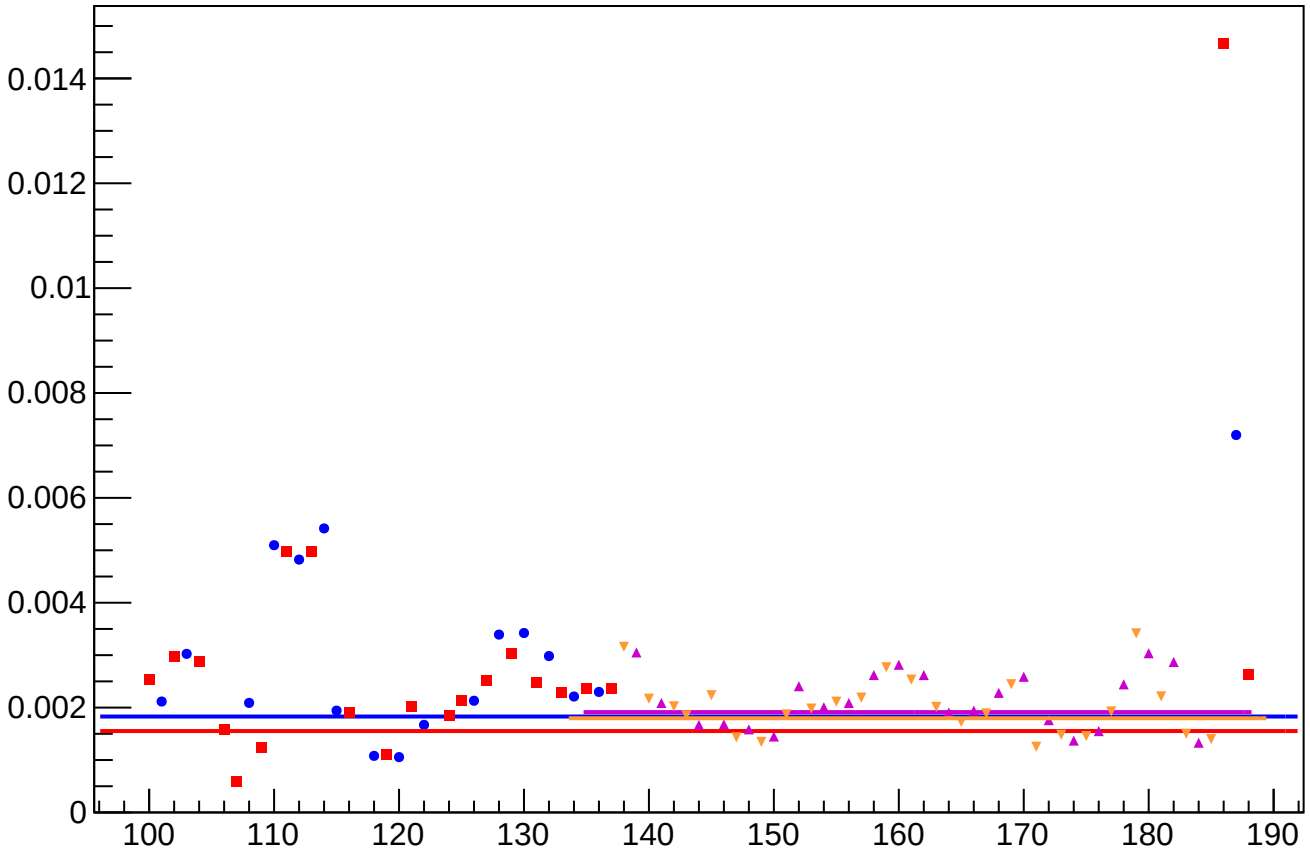
Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/20

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.9/41

All: 0.000+/-0.000 χ^2/NDF: 104.1/85

- sign 0.000+/-0.000 χ^2/NDF: 36.6/43



Right In: 0.002+/-0.000 χ^2/NDF: 2779788.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

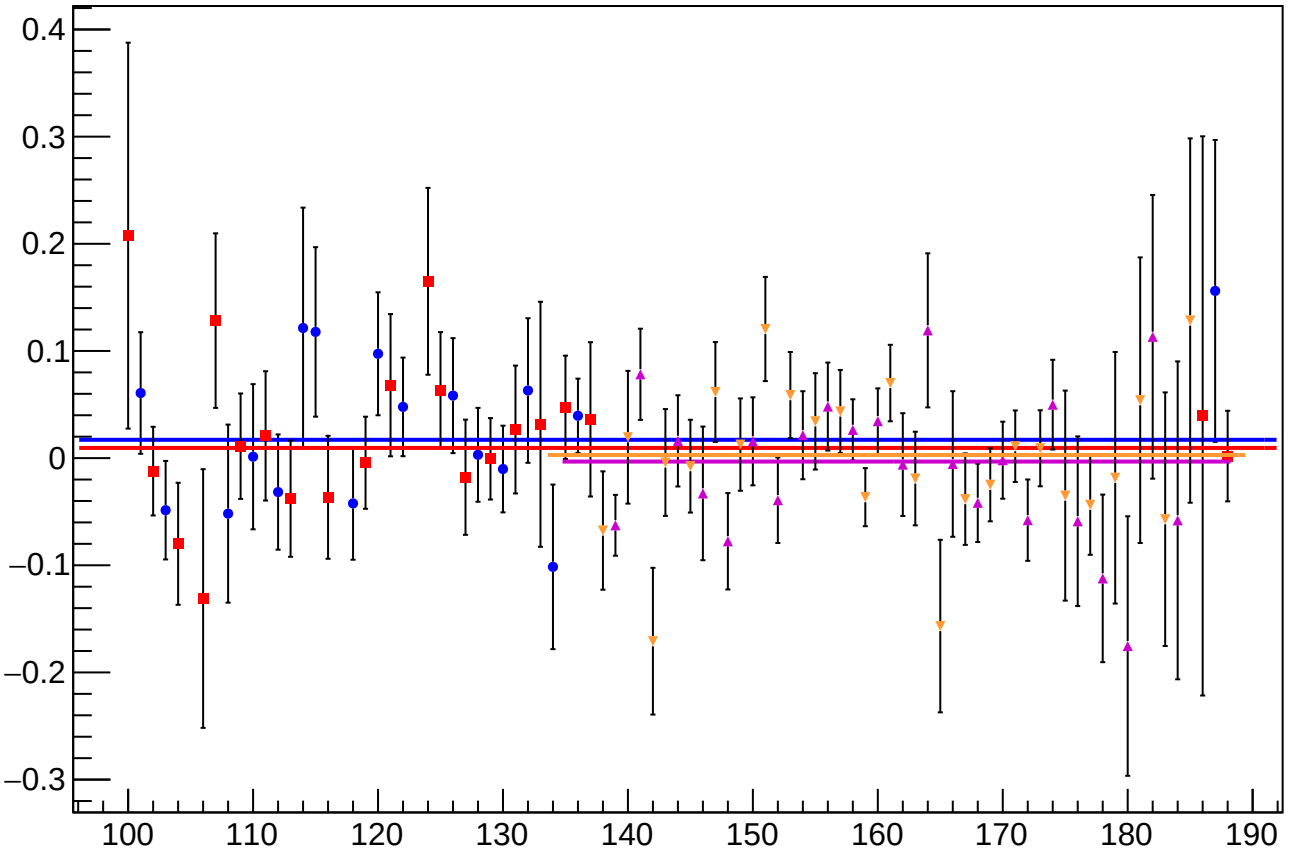
Right Out: 0.002+/-0.000 χ^2/NDF: 4562896.4/20

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 5062037.8/41

All: 0.002+/-0.000 χ^2/NDF: 12220629.2/85

- sign 0.002+/-0.000 χ^2/NDF: 7156438.4/43



Right In: 0.017+/-0.013 χ^2/NDF: 15.7/16

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

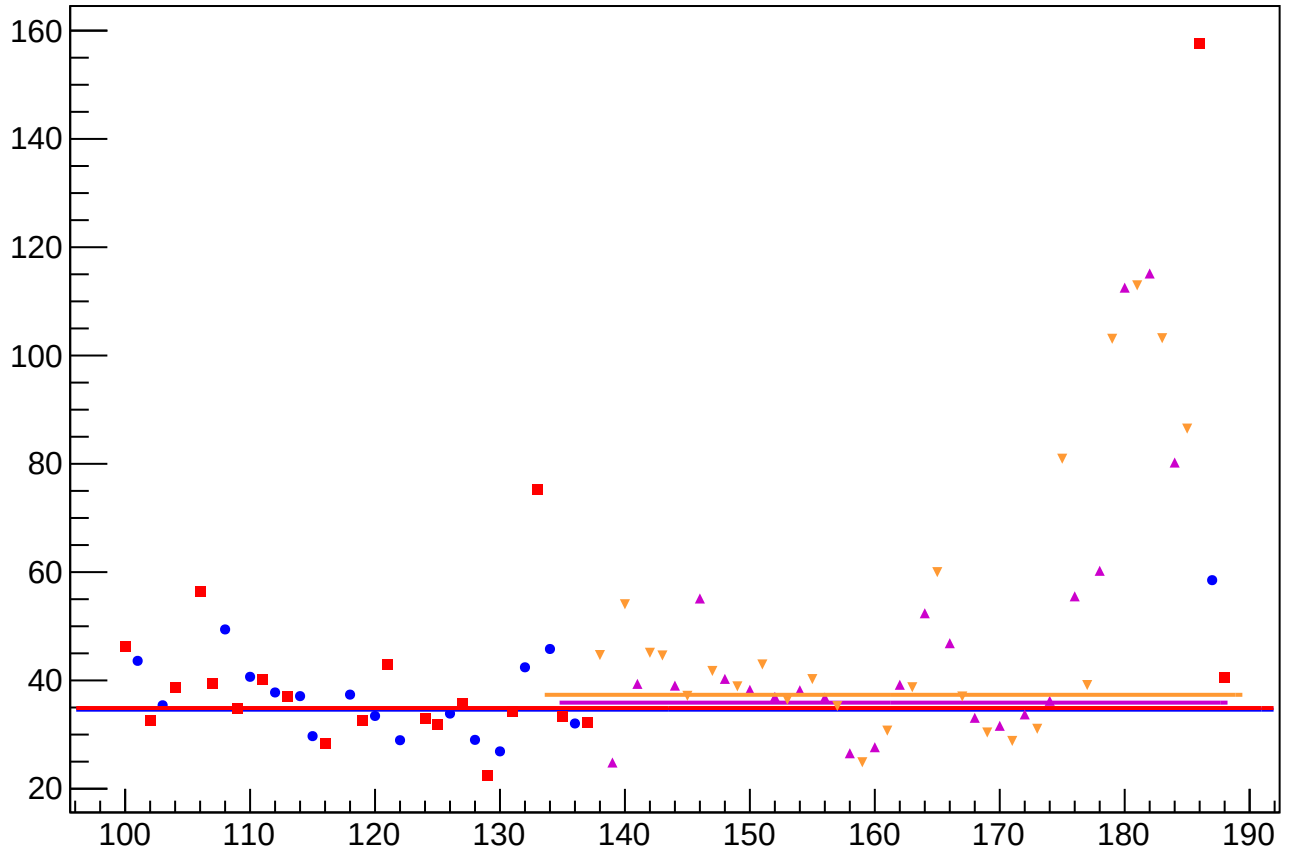
Right Out: 0.010+/-0.013 χ^2/NDF: 15.2/20

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.008 χ^2/NDF: 49.4/41

All: 0.004+/-0.005 χ^2/NDF: 95.4/85

- sign 0.001+/-0.007 χ^2/NDF: 45.7/43



Right In: 34.597+/-0.009 χ^2/NDF: 426139.8/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

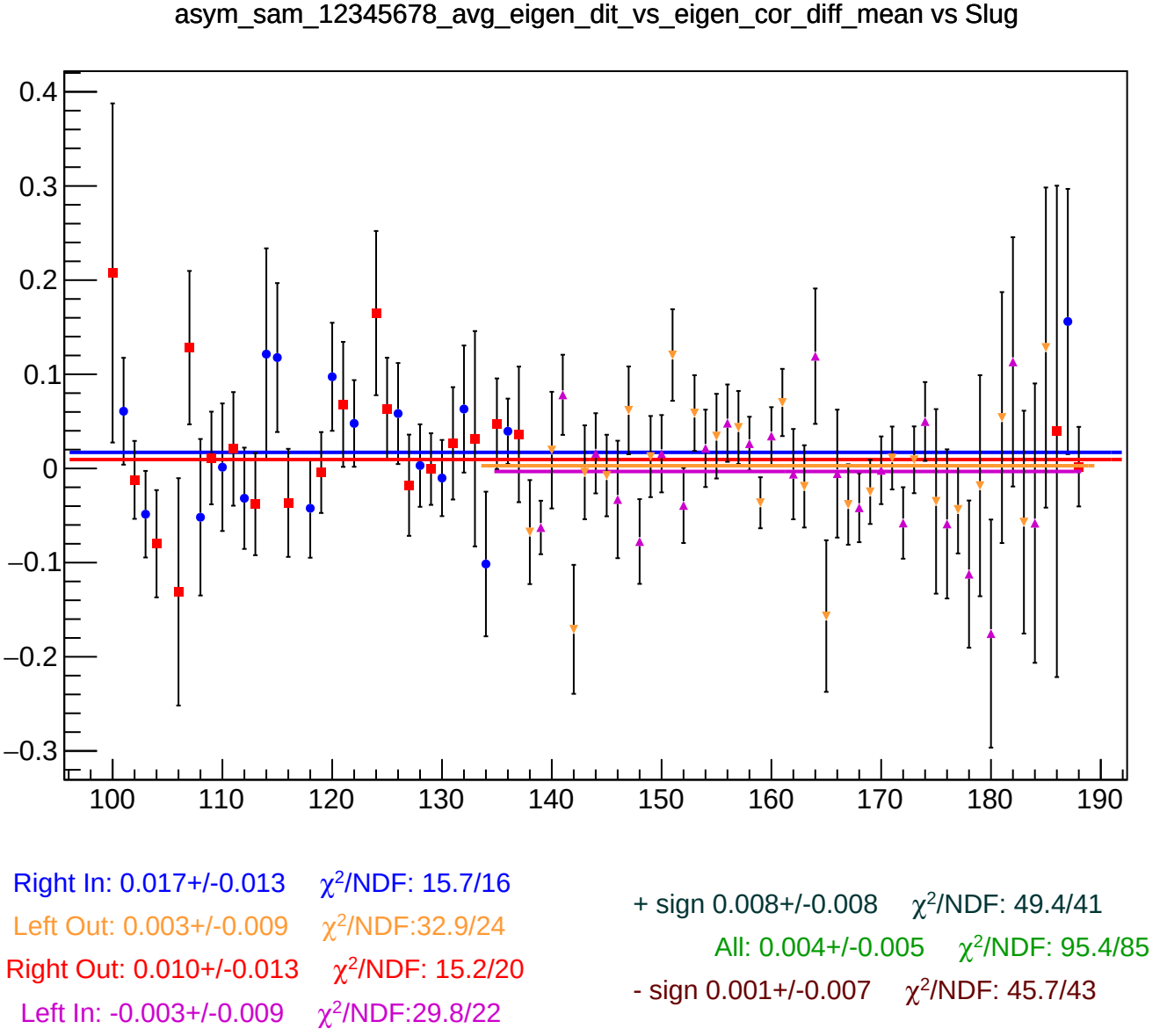
Right Out: 34.904+/-0.009 χ^2/NDF: 1127888.5/20

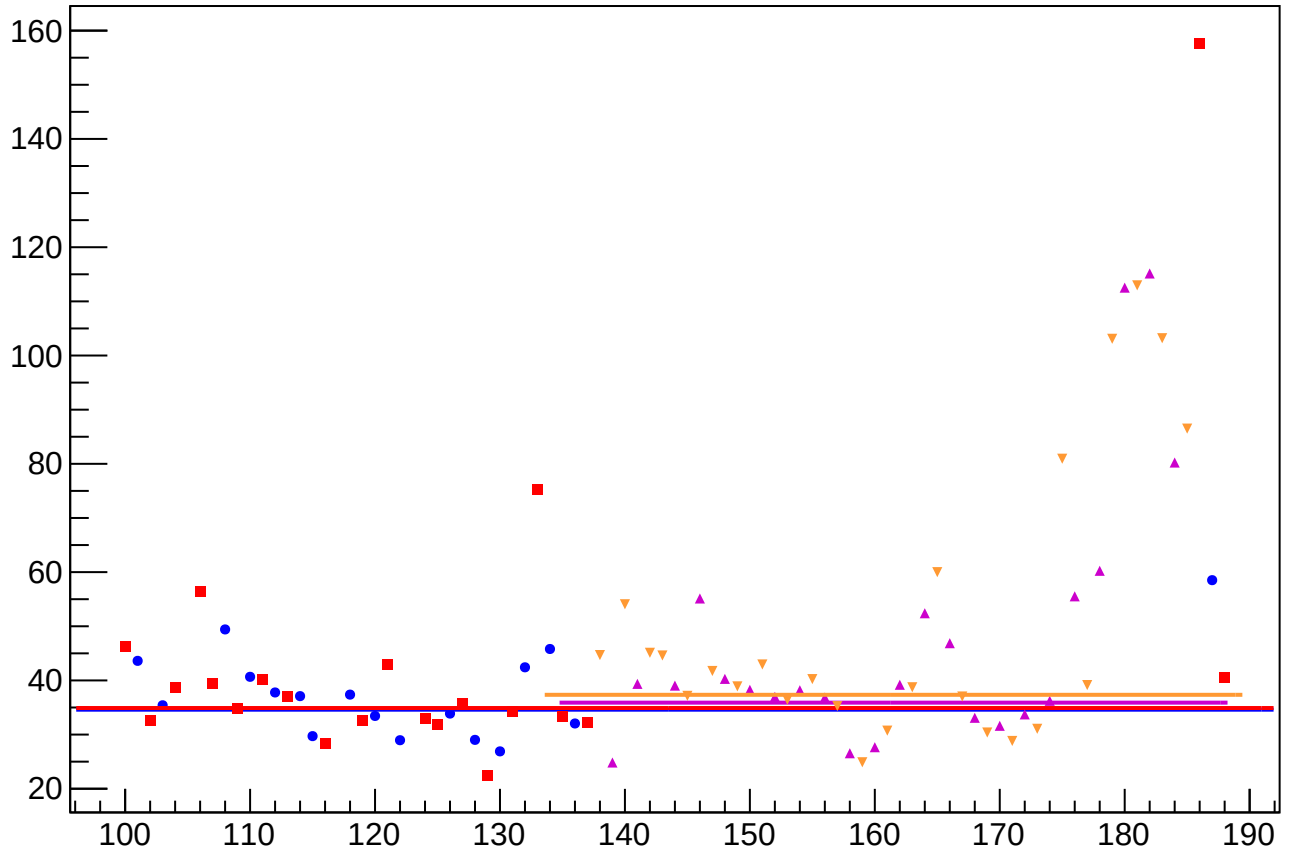
Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.451+/-0.005 χ^2/NDF: 4180089.3/41

All: 35.990+/-0.004 χ^2/NDF: 8468715.3/85

- sign 35.553+/-0.005 χ^2/NDF: 4274322.2/43


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
190
Right In: 0.017+/-0.013 χ²/NDF: 15.7/16
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: 0.010+/-0.013 χ²/NDF: 15.2/20
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign 0.008+/-0.008 χ²/NDF: 49.4/41
All: 0.004+/-0.005 χ²/NDF: 95.4/85
- sign 0.001+/-0.007 χ²/NDF: 45.7/43



Right In: 34.597+/-0.009 χ^2/NDF: 426139.8/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

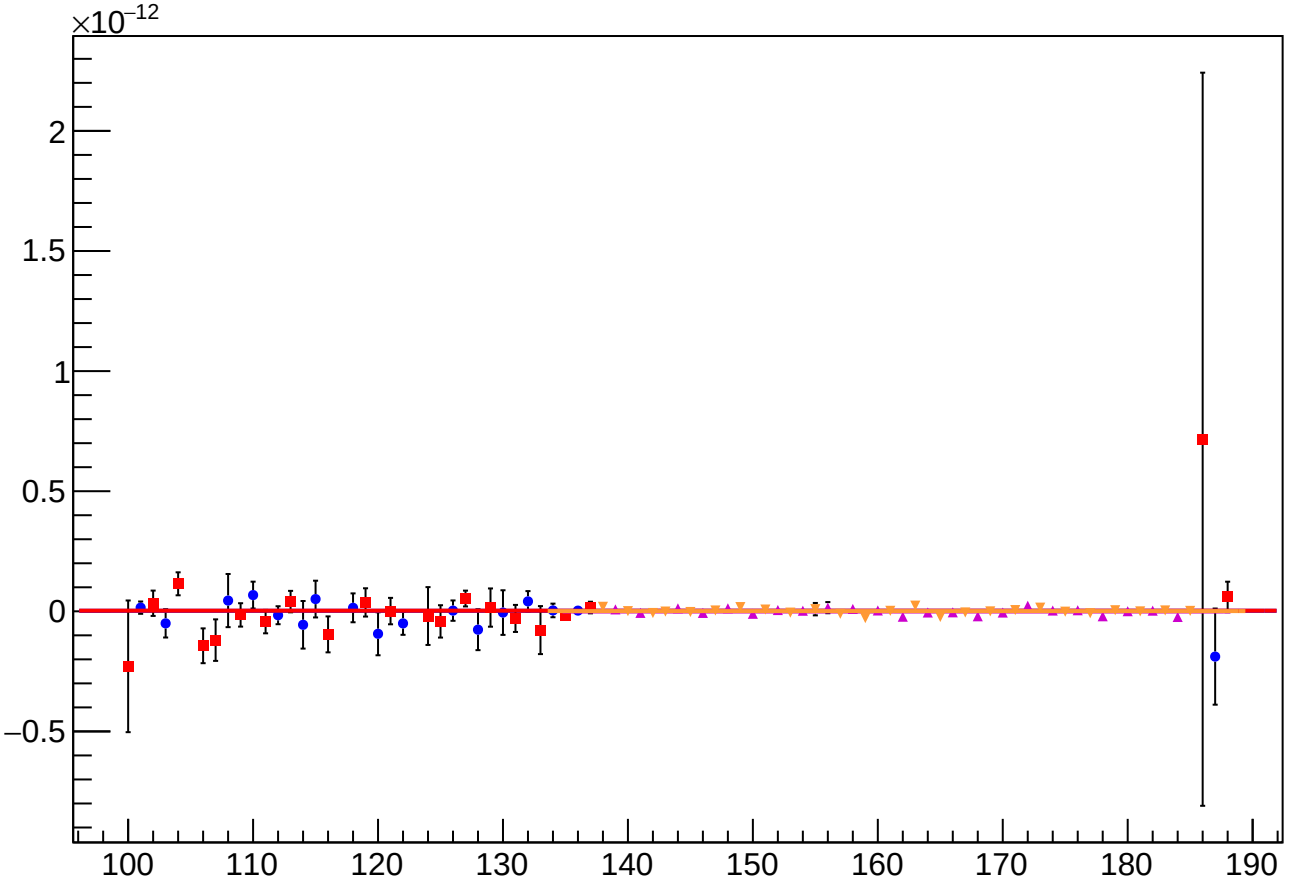
Right Out: 34.904+/-0.009 χ^2/NDF: 1127888.5/20

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.451+/-0.005 χ^2/NDF: 4180089.3/41

All: 35.990+/-0.004 χ^2/NDF: 8468715.3/85

- sign 35.553+/-0.005 χ^2/NDF: 4274322.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 8.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

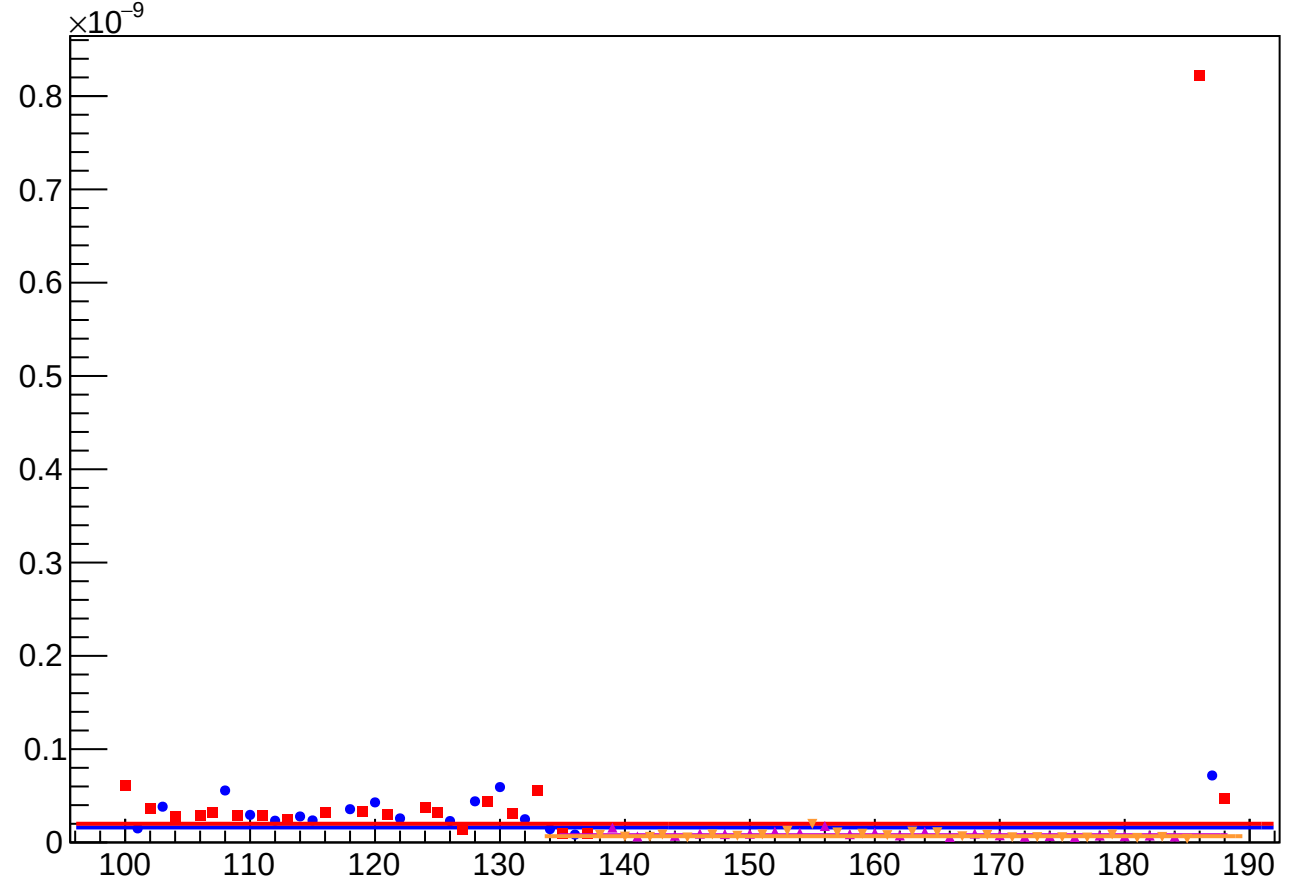
Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/20

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.0/41

All: 0.000+/-0.000 χ^2/NDF: 82.2/85

- sign -0.000+/-0.000 χ^2/NDF: 51.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 2977507.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3371737.0/20

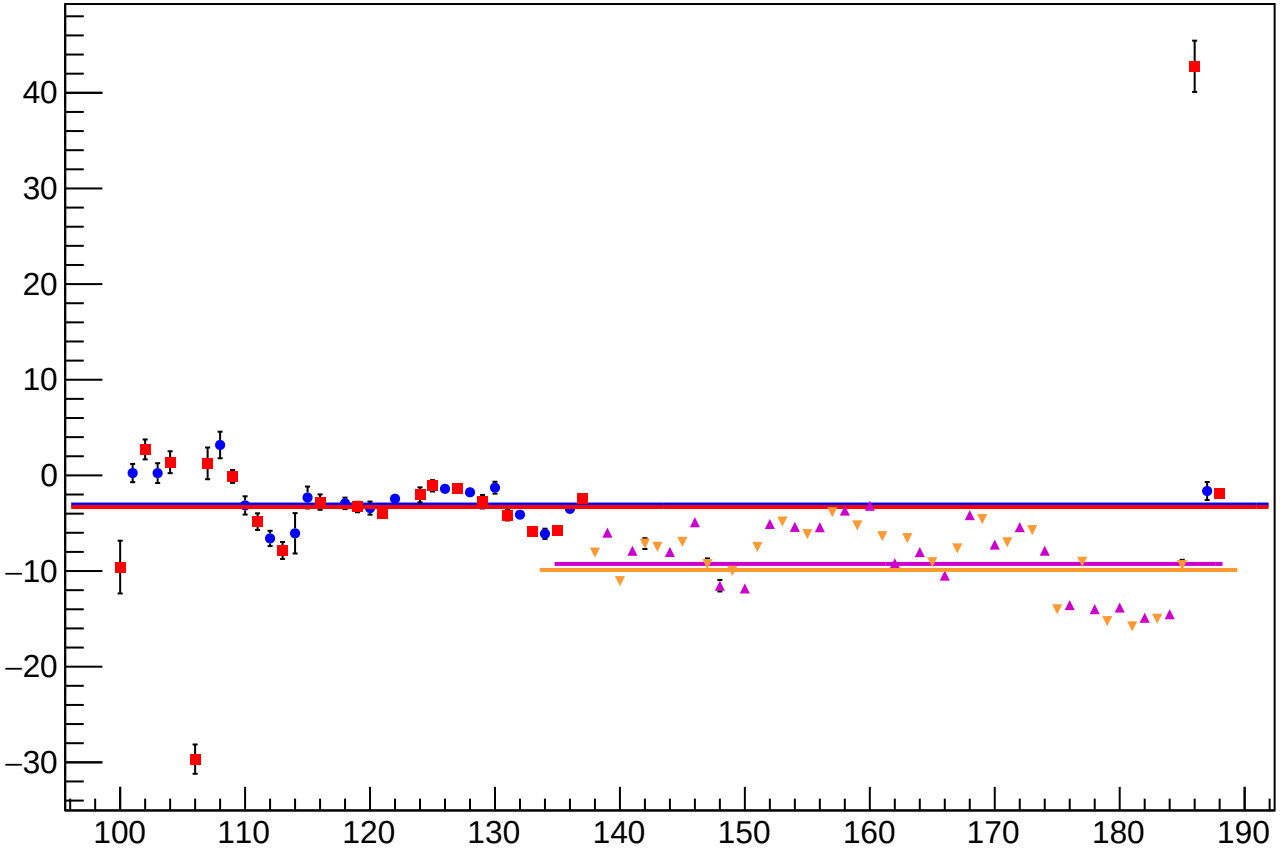
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7367656.0/41

All: 0.000+/-0.000 χ^2/NDF: 15468651.3/85

- sign 0.000+/-0.000 χ^2/NDF: 7776111.5/43

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.048+/-0.134 χ^2/NDF: 136.1/16

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -3.302+/-0.128 χ^2/NDF: 856.1/20

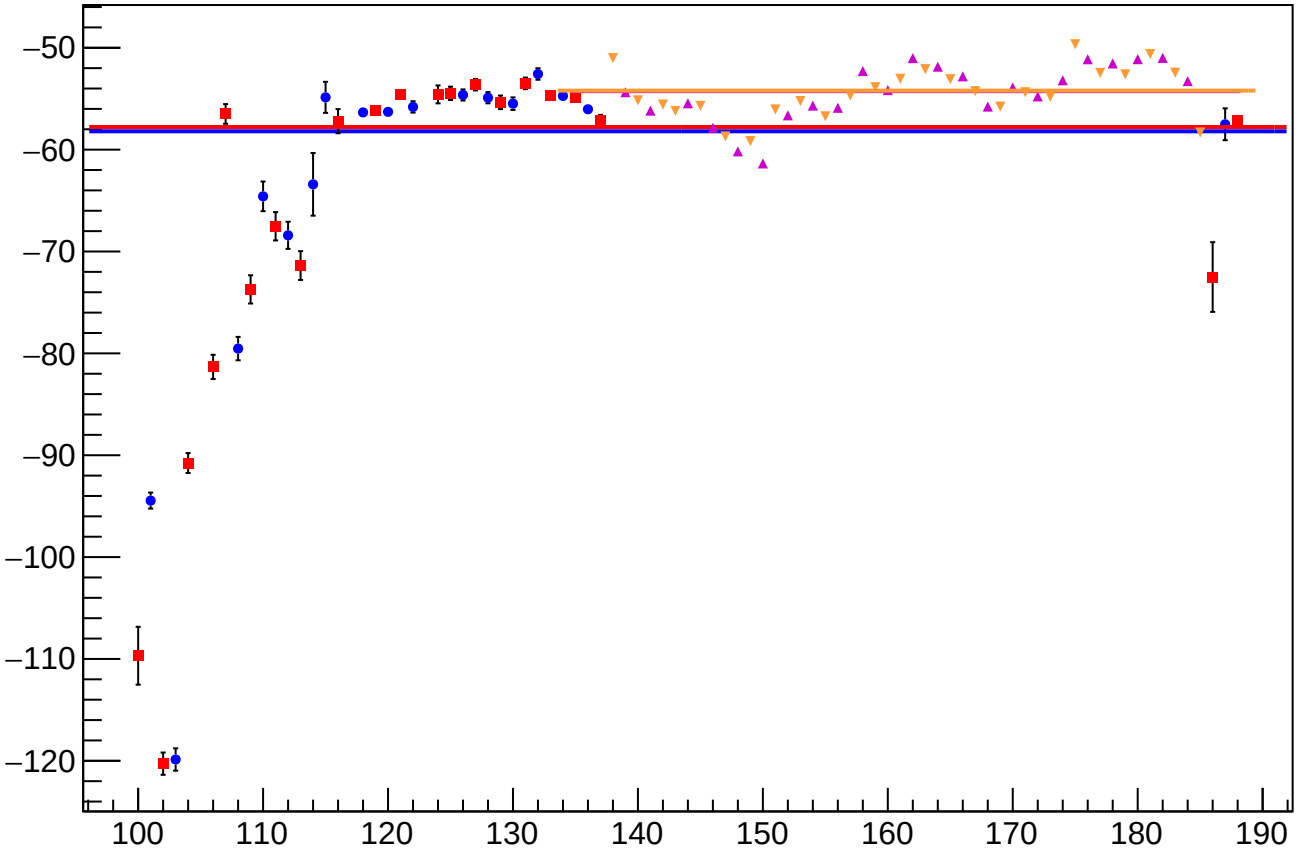
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.433+/-0.062 χ^2/NDF: 5398.2/41

All: -8.142+/-0.044 χ^2/NDF: 11004.7/85

- sign -7.843+/-0.063 χ^2/NDF: 5561.4/43

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.199+/-0.135 χ^2/NDF: 6127.1/16

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -57.775+/-0.133 χ^2/NDF: 5813.0/20

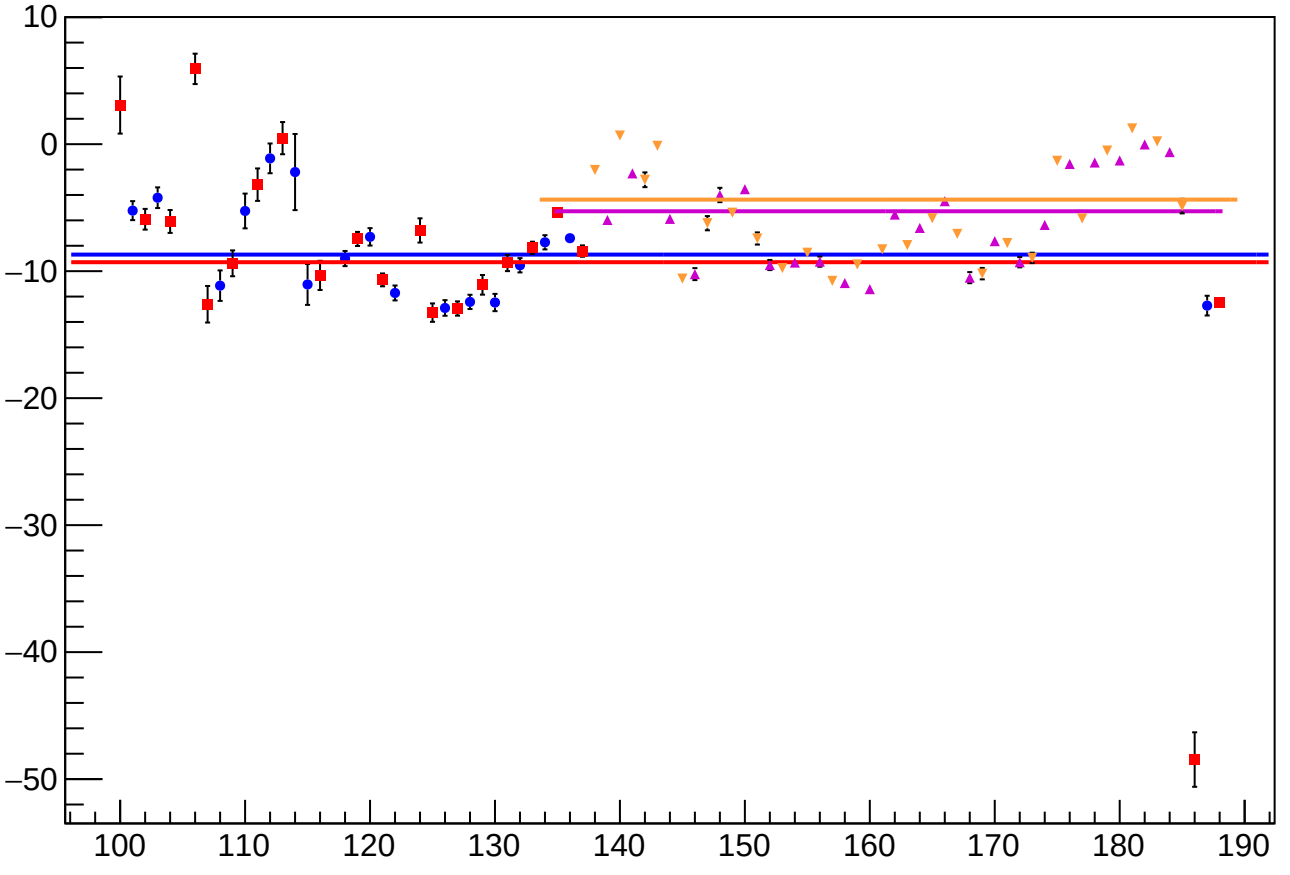
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.789+/-0.052 χ^2/NDF: 8731.2/41

All: -54.806+/-0.037 χ^2/NDF: 17621.2/85

- sign -54.824+/-0.053 χ^2/NDF: 8889.8/43

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.695+/-0.142 χ^2/NDF: 328.4/16

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -9.294+/-0.132 χ^2/NDF: 1040.7/20

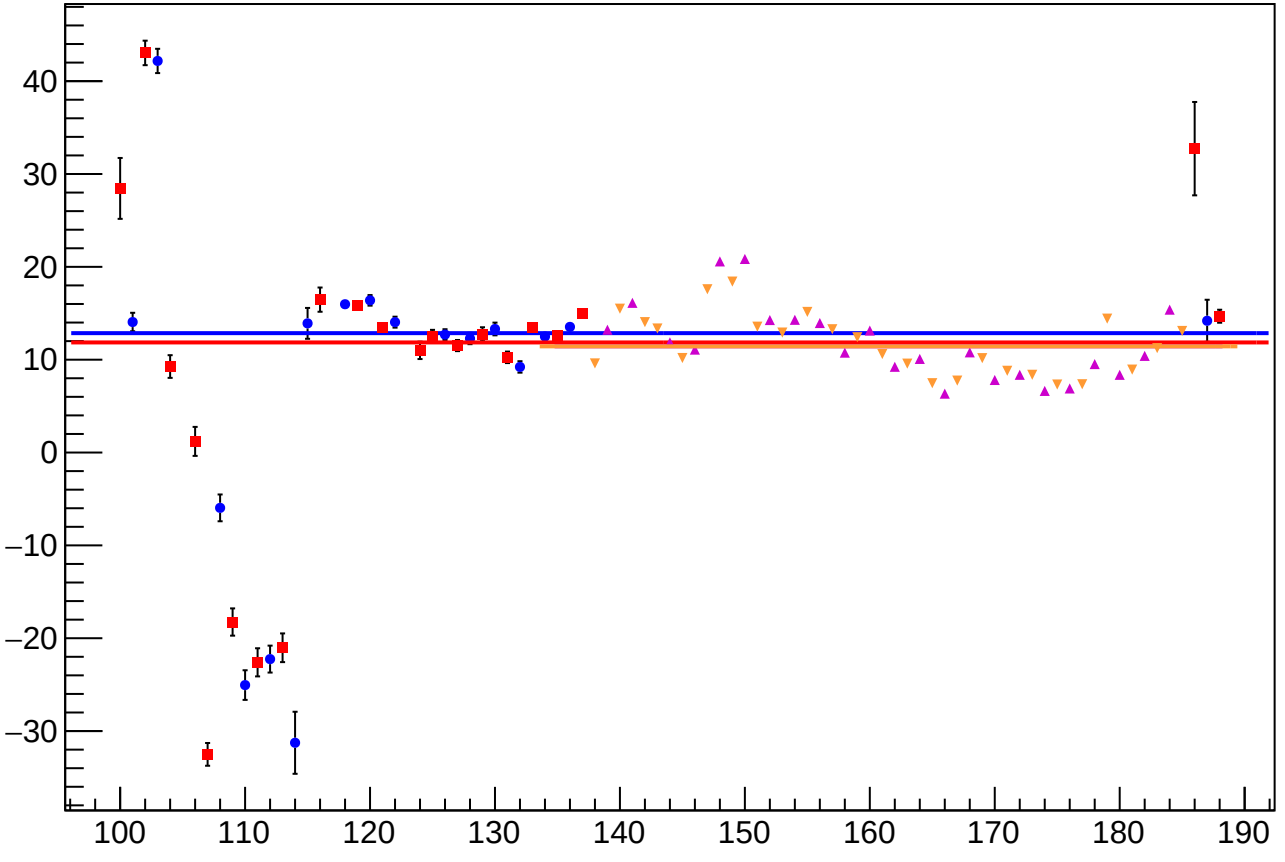
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -5.195+/-0.062 χ^2/NDF: 4778.1/41

All: -5.688+/-0.044 χ^2/NDF: 9411.6/85

- sign -6.185+/-0.063 χ^2/NDF: 4507.7/43

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.859+/-0.150 χ^2/NDF: 2128.8/16

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 11.858+/-0.151 χ^2/NDF: 3533.4/20

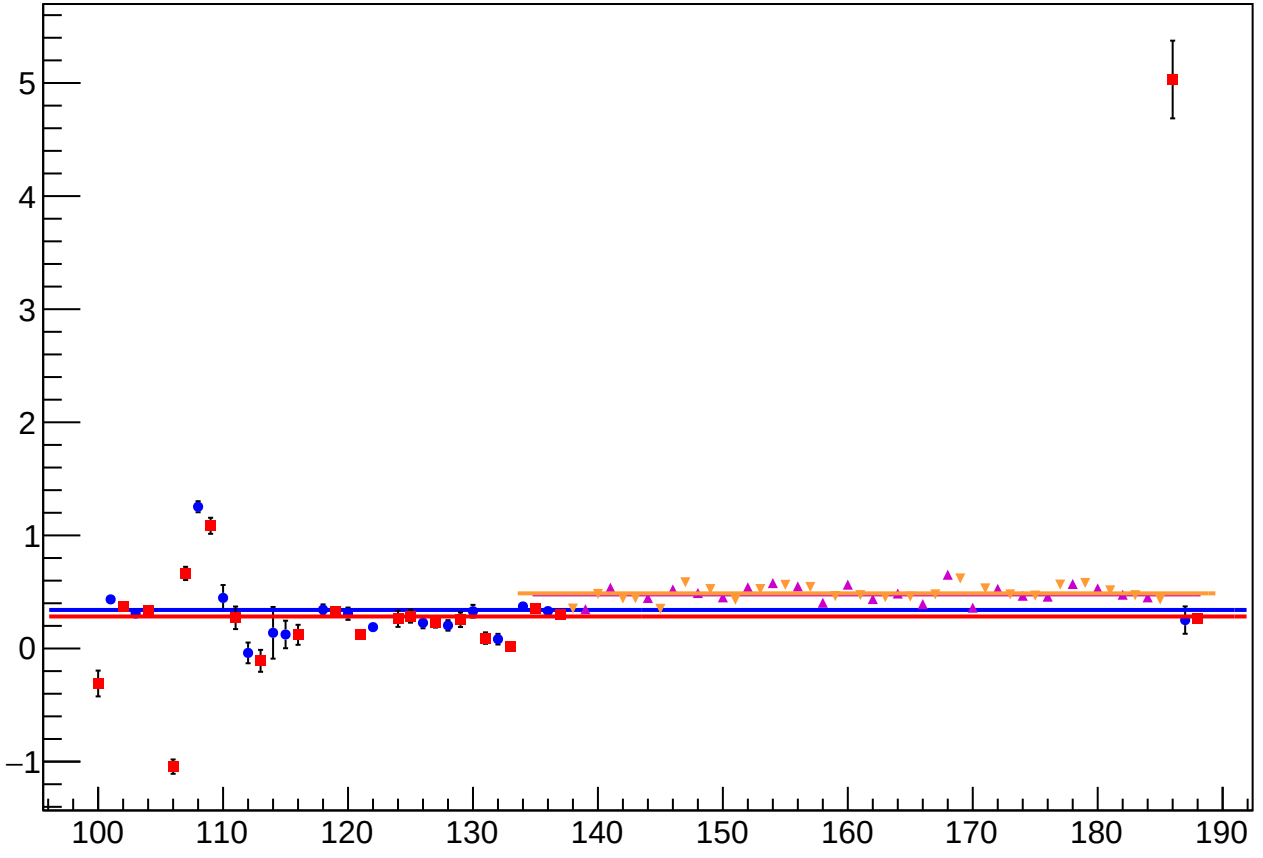
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.645+/-0.057 χ^2/NDF: 4641.1/41

All: 11.577+/-0.041 χ^2/NDF: 11542.2/85

\- sign 11.505+/-0.059 χ^2/NDF: 6898.2/43

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 435.3/16

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.283+/-0.008 χ^2/NDF: 969.0/20

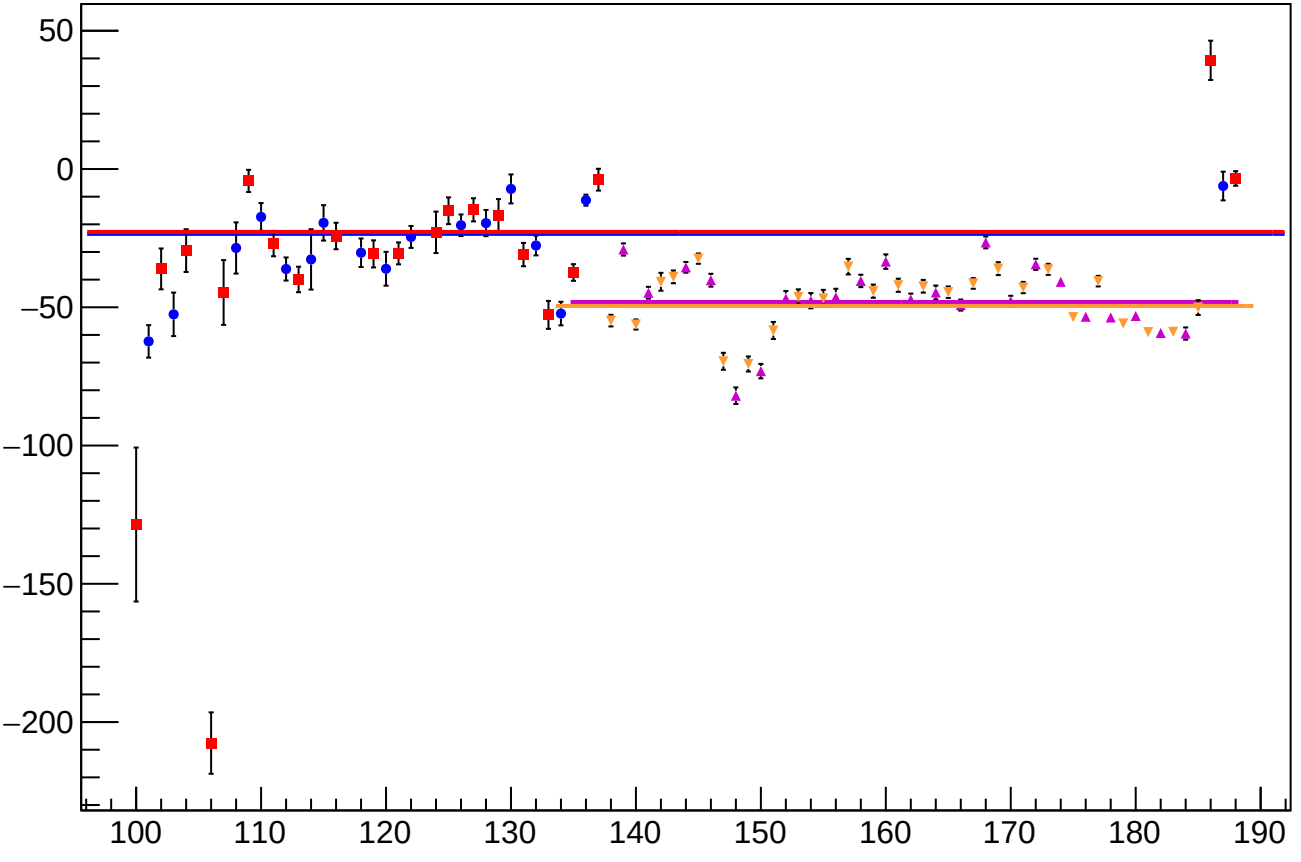
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.472+/-0.003 χ^2/NDF: 1286.4/41

All: 0.465+/-0.002 χ^2/NDF: 3579.6/85

- sign 0.458+/-0.003 χ^2/NDF: 2279.7/43

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -23.448+/-1.063 χ^2/NDF: 182.3/16

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -22.739+/-1.033 χ^2/NDF: 563.8/20

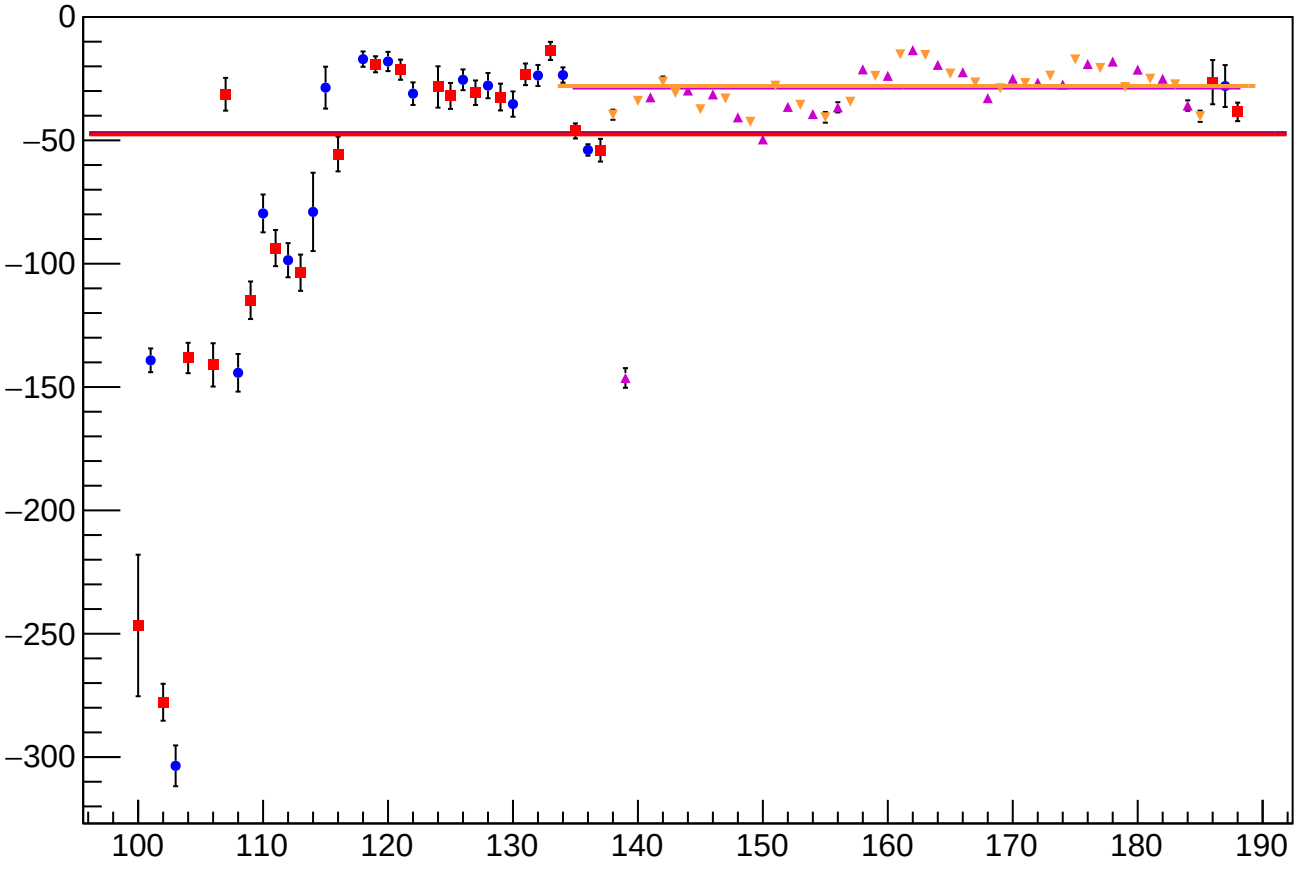
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.251+/-0.376 χ^2/NDF: 1284.4/41

All: -45.409+/-0.270 χ^2/NDF: 3081.6/85

- sign -44.515+/-0.388 χ^2/NDF: 1786.9/43

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.100+/-1.092 χ^2/NDF: 1878.6/16

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -47.557+/-1.119 χ^2/NDF: 1787.2/20

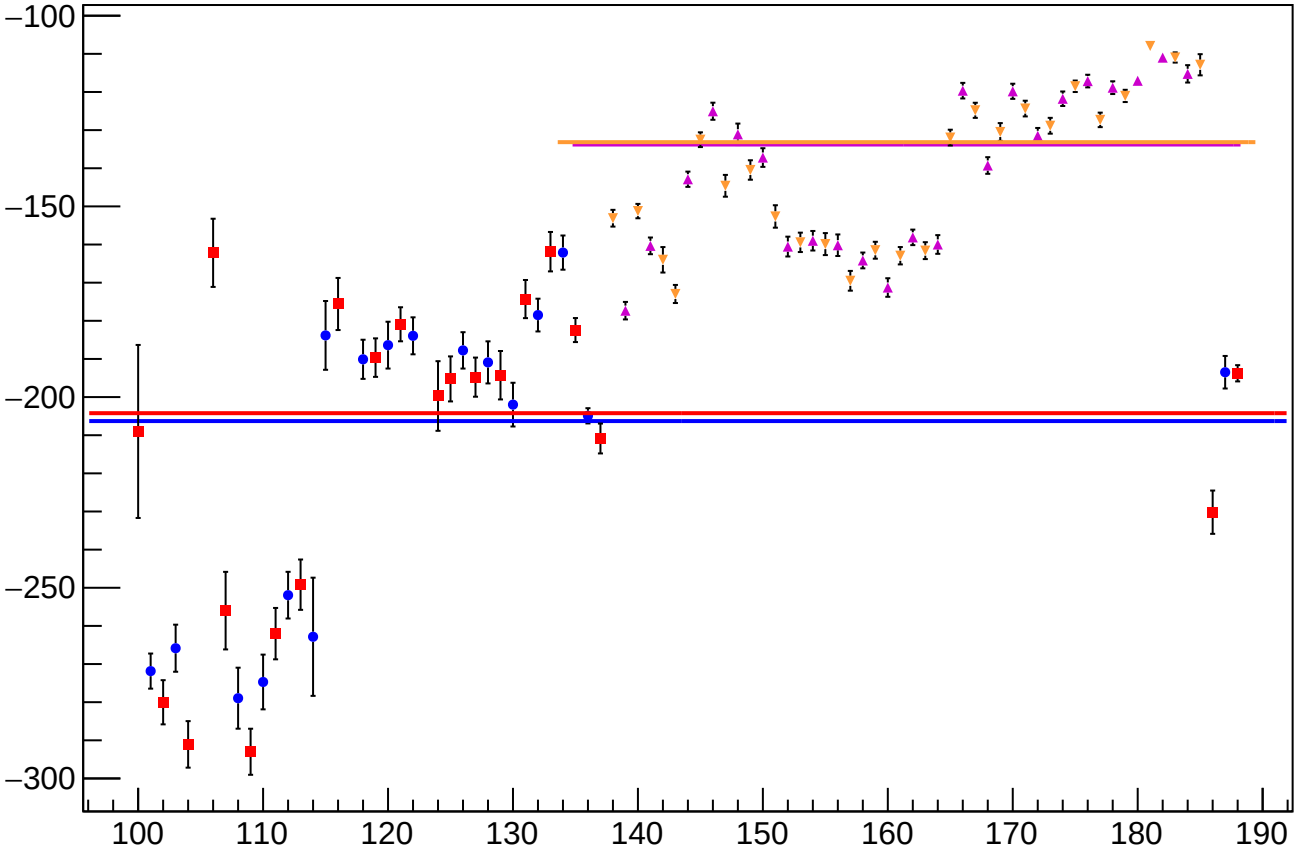
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

+ sign -29.481+/-0.308 χ^2/NDF: 2659.2/41

All: -29.799+/-0.222 χ^2/NDF: 6193.2/85

- sign -30.141+/-0.320 χ^2/NDF: 3531.8/43

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -206.290+/-1.136 χ^2/NDF: 758.2/16

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -204.219+/-1.077 χ^2/NDF: 1018.1/20

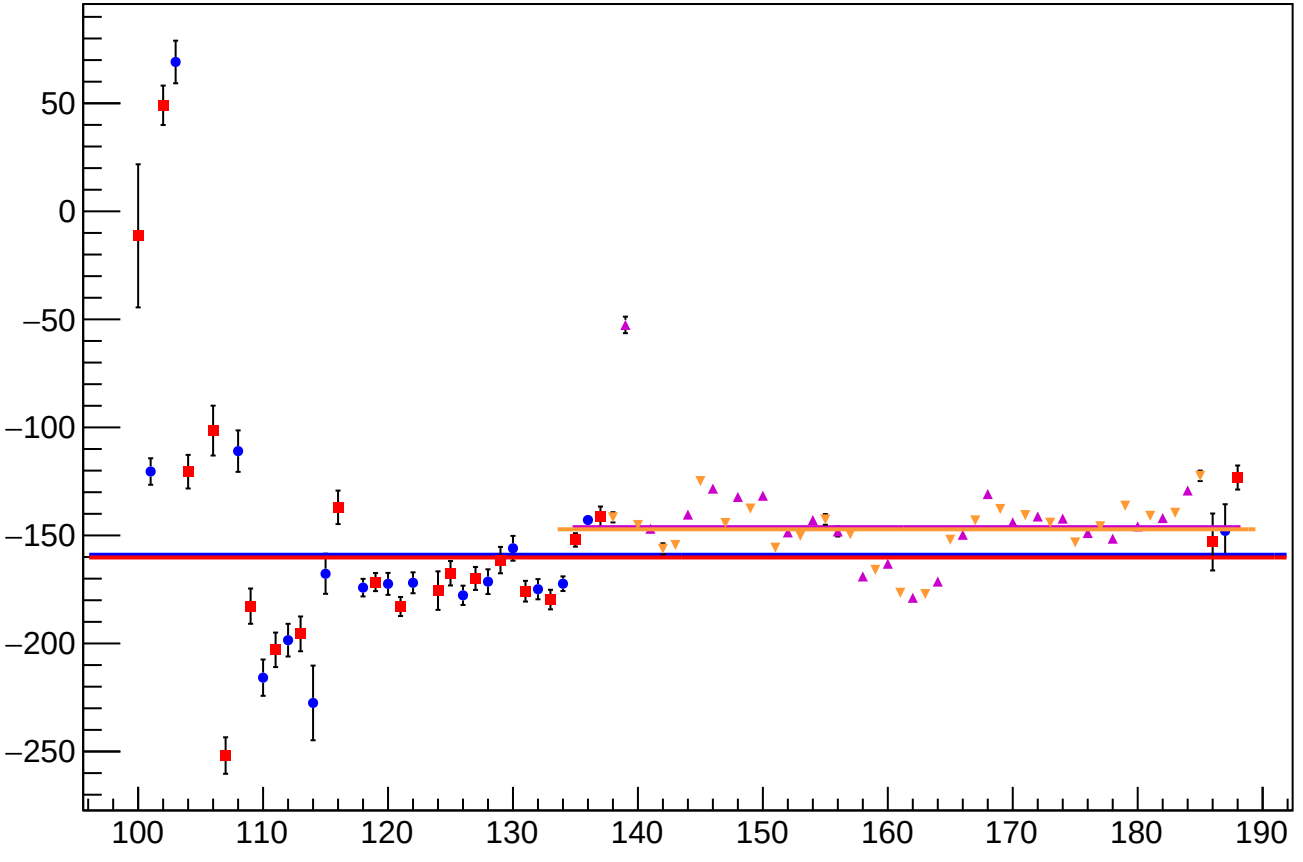
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.329+/-0.380 χ^2/NDF: 6971.4/41

All: -142.126+/-0.272 χ^2/NDF: 14160.1/85

- sign -142.962+/-0.389 χ^2/NDF: 7179.8/43

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -158.940+/-1.219 χ^2/NDF: 816.6/16

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -160.203+/-1.282 χ^2/NDF: 919.7/20

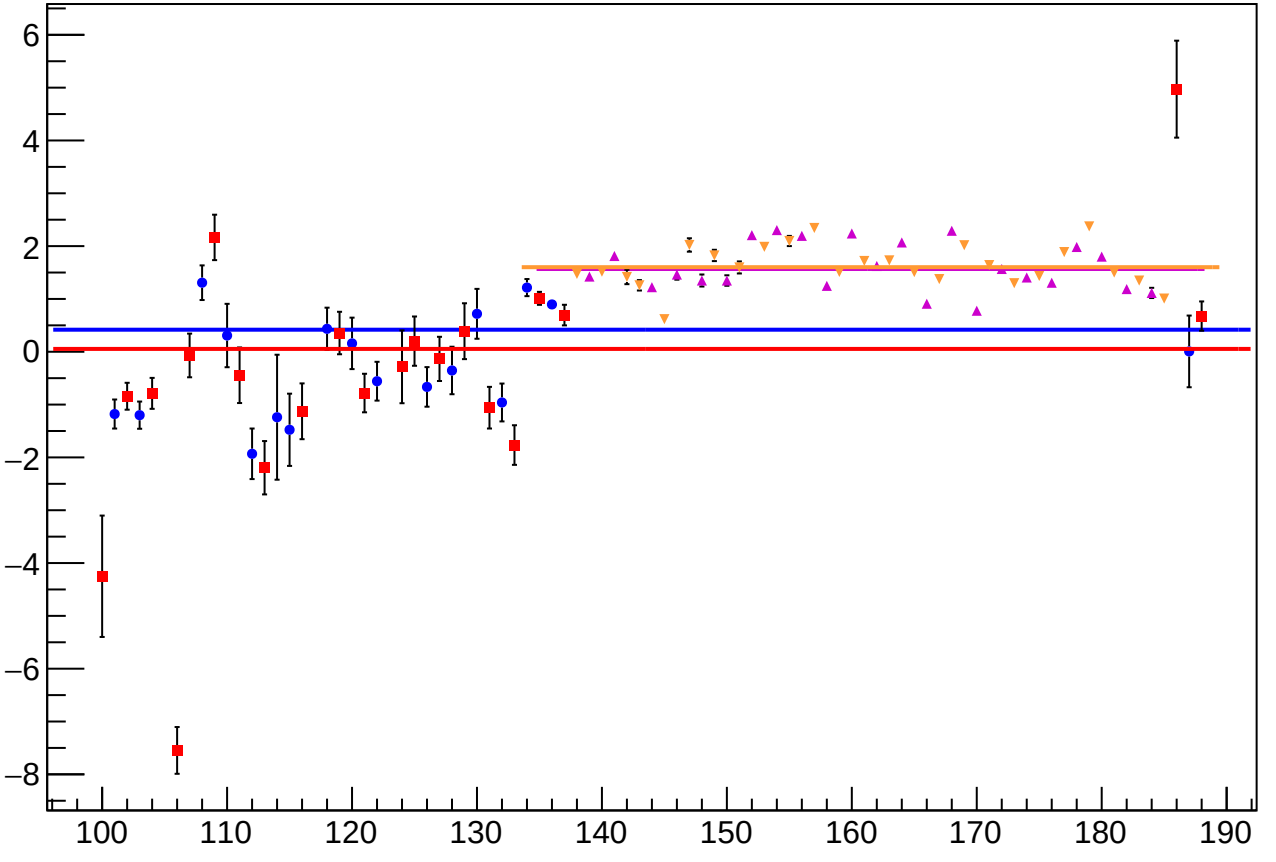
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -148.101+/-0.344 χ^2/NDF: 2148.0/41

All: -147.693+/-0.247 χ^2/NDF: 4975.0/85

- sign -147.255+/-0.356 χ^2/NDF: 2824.0/43

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.418+/-0.065 χ^2/NDF: 198.0/16

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.054+/-0.070 χ^2/NDF: 523.0/20

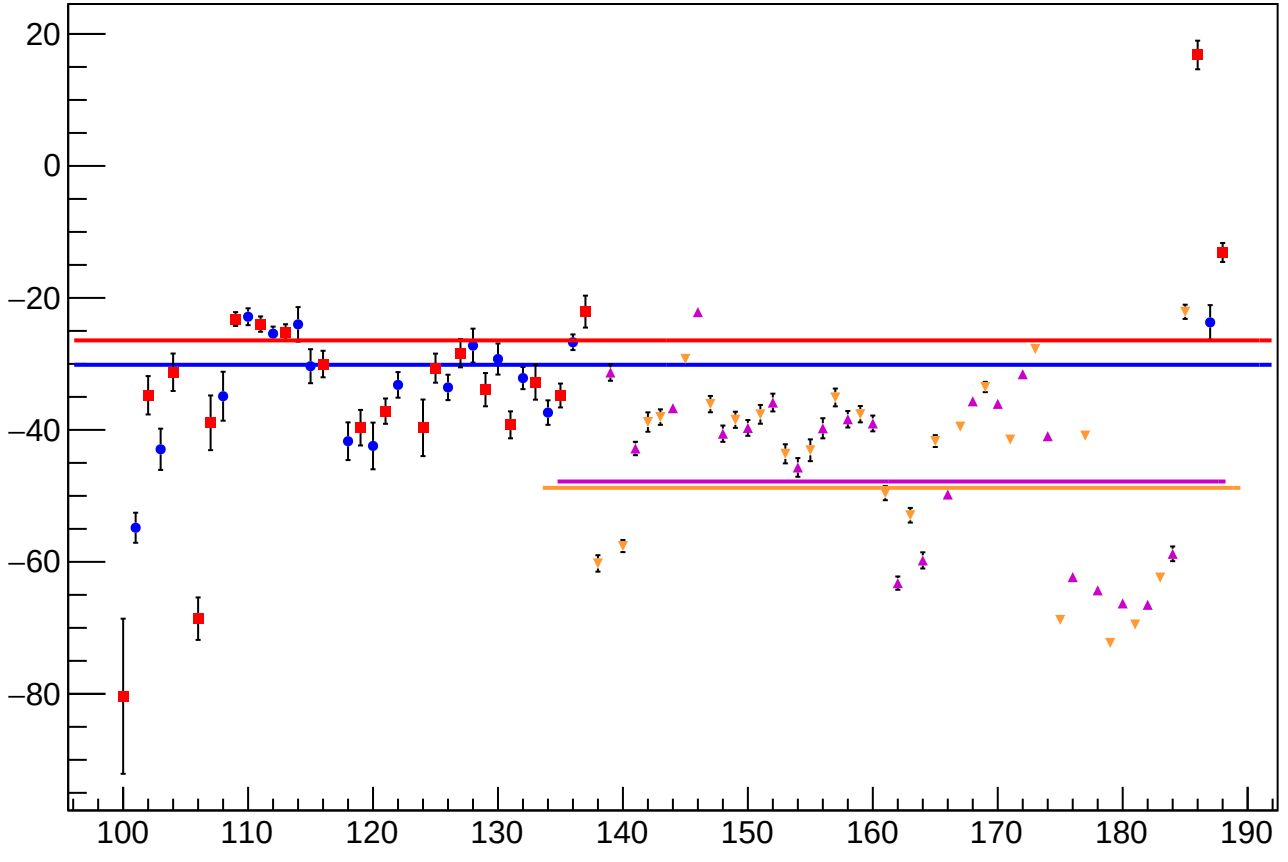
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.533+/-0.016 χ^2/NDF: 1096.7/41

All: 1.511+/-0.011 χ^2/NDF: 2804.7/85

- sign 1.488+/-0.016 χ^2/NDF: 1704.0/43

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.135+/-0.461 χ^2/NDF: 259.8/16

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -26.439+/-0.422 χ^2/NDF: 862.6/20

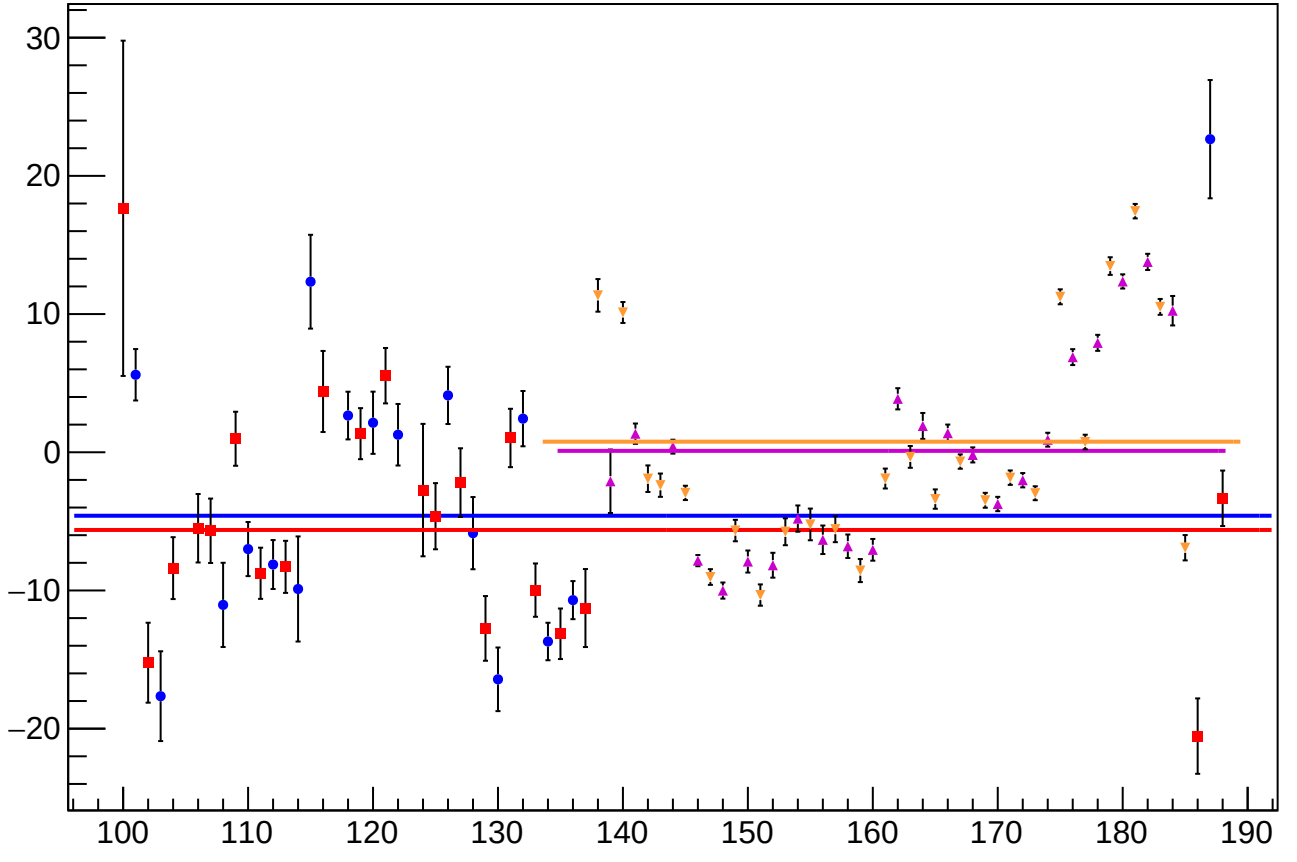
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.621+/-0.157 χ^2/NDF: 10663.2/41

All: -45.732+/-0.111 χ^2/NDF: 21025.6/85

- sign -44.833+/-0.158 χ^2/NDF: 10297.7/43

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.593+/-0.506 χ^2/NDF: 278.4/16

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.622+/-0.498 χ^2/NDF: 168.2/20

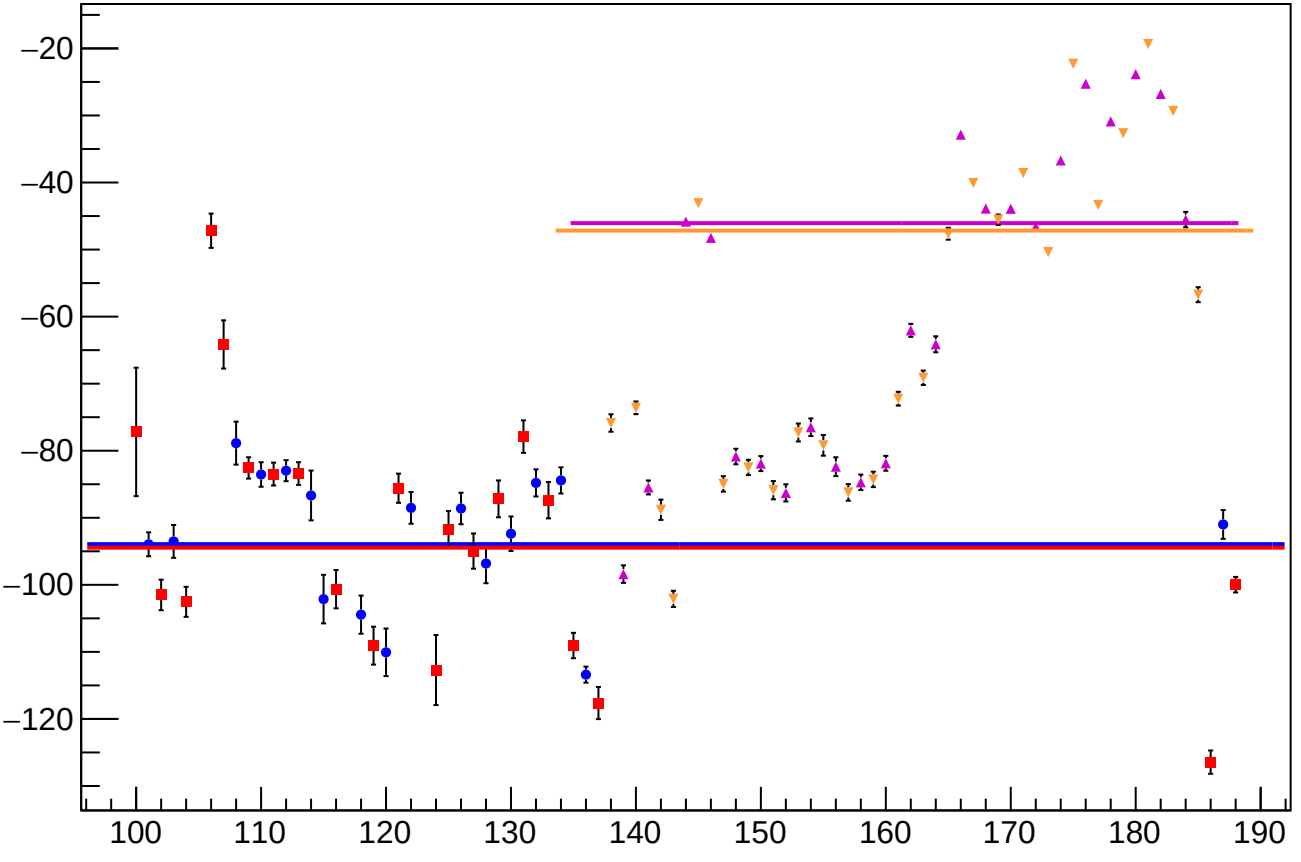
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.422+/-0.128 χ^2/NDF: 3850.7/41

All: 0.073+/-0.091 χ^2/NDF: 6878.9/85

- sign -0.279+/-0.128 χ^2/NDF: 3013.3/43

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -93.932+/-0.521 χ^2/NDF: 468.8/16

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -94.456+/-0.473 χ^2/NDF: 1213.7/20

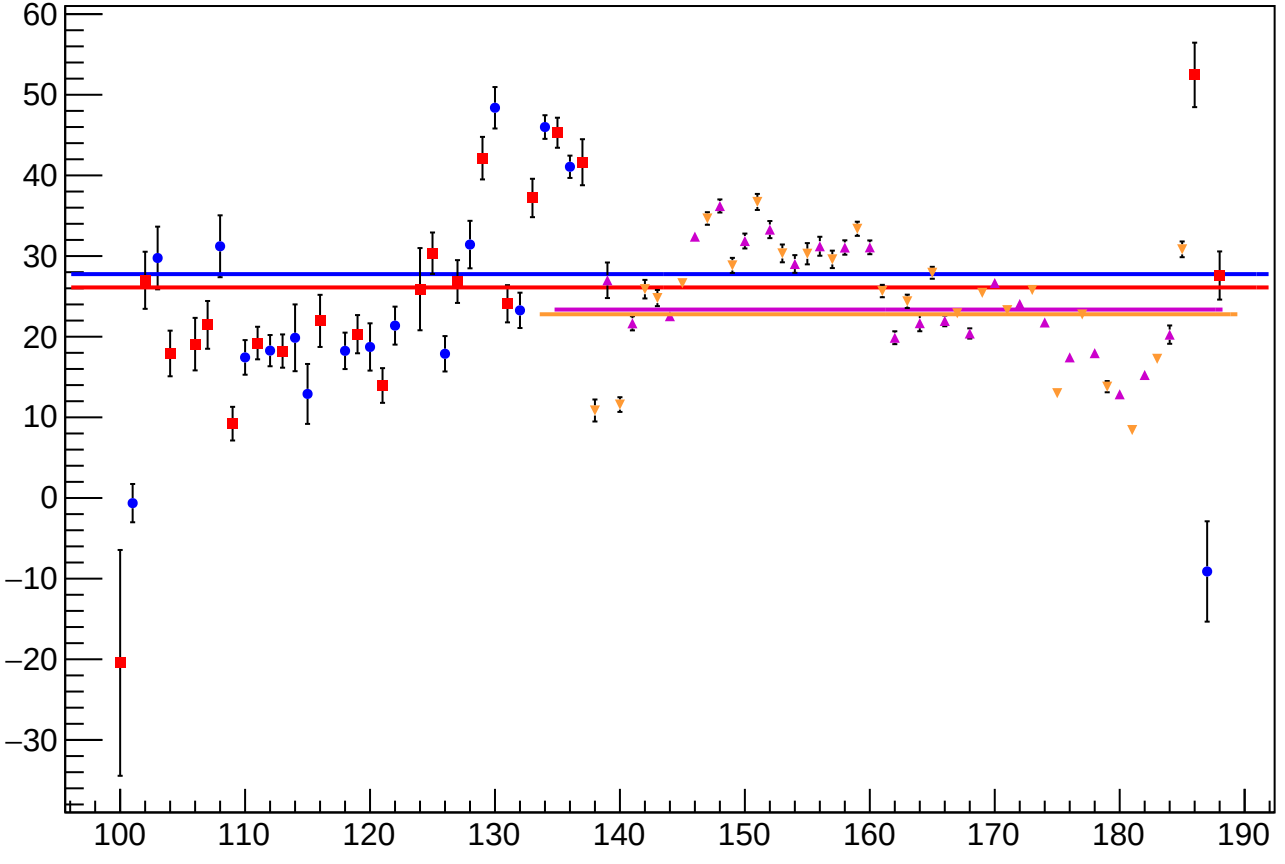
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

\+ sign -51.550+/-0.159 χ^2/NDF: 25429.0/41

All: -51.576+/-0.113 χ^2/NDF: 50678.8/85

\- sign -51.602+/-0.160 χ^2/NDF: 25249.8/43

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 27.760+/-0.567 χ^2/NDF: 618.5/16

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 26.110+/-0.573 χ^2/NDF: 399.5/20

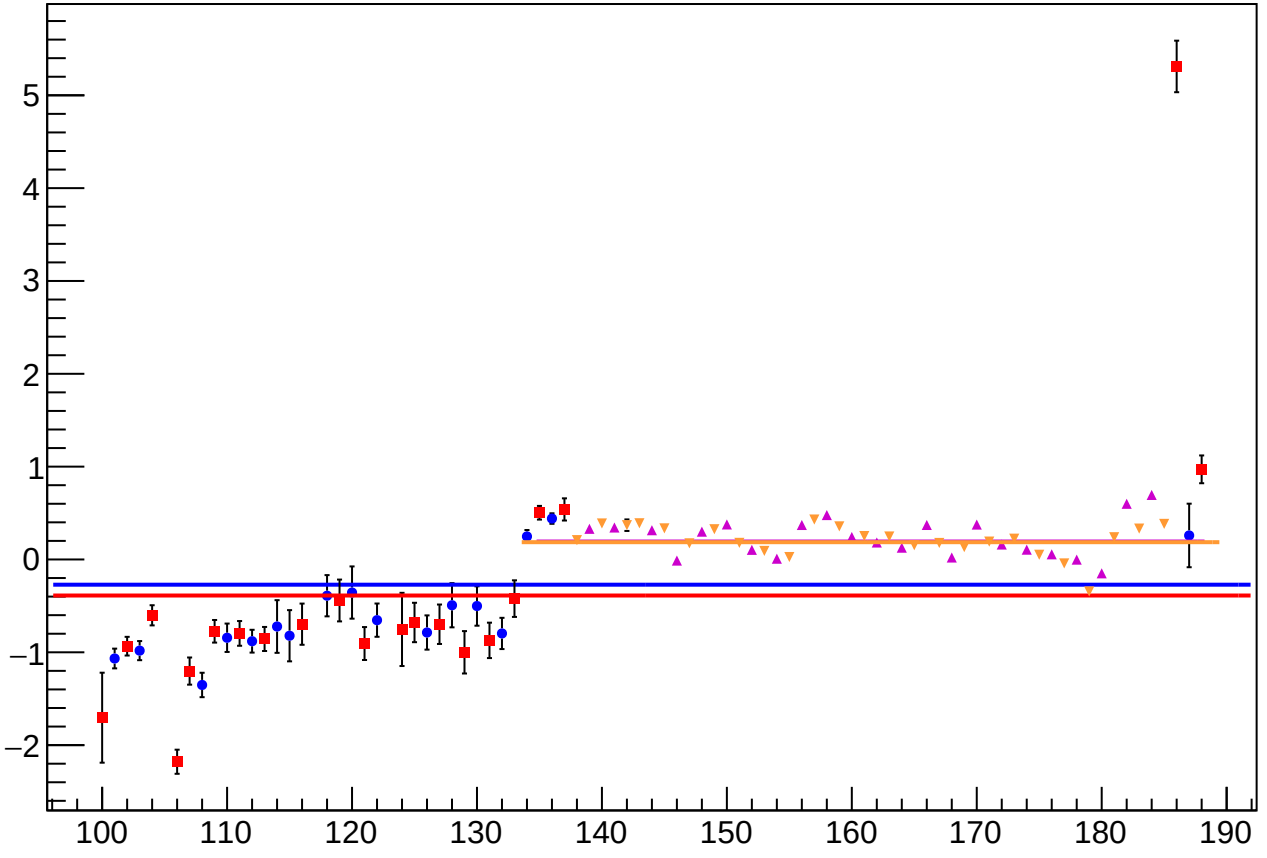
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.097+/-0.143 χ^2/NDF: 3103.8/41

All: 23.316+/-0.101 χ^2/NDF: 5314.9/85

- sign 23.539+/-0.144 χ^2/NDF: 2206.3/43

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.031 χ^2/NDF: 458.0/16

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.388+/-0.032 χ^2/NDF: 1033.8/20

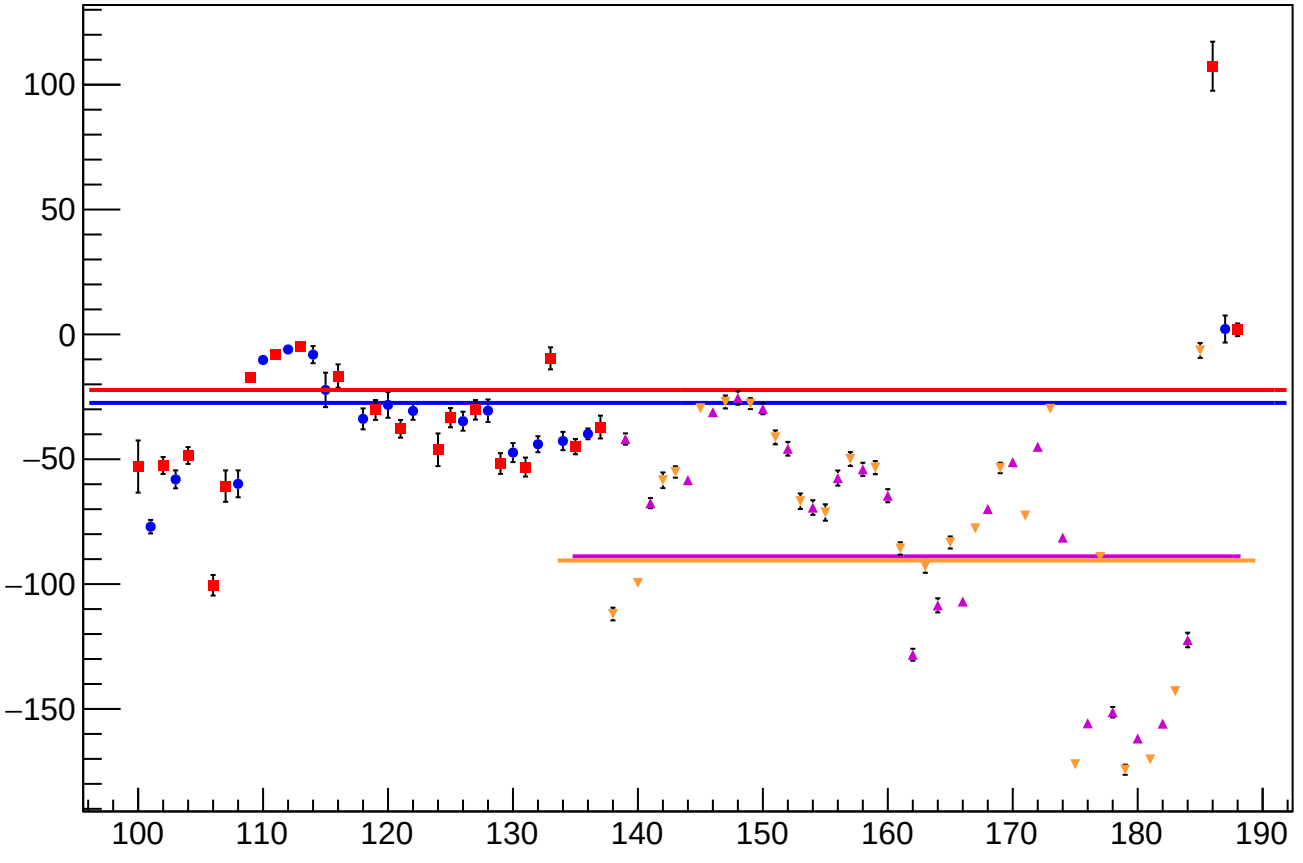
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.166+/-0.006 χ^2/NDF: 1318.9/41

All: 0.167+/-0.005 χ^2/NDF: 3609.9/85

- sign 0.169+/-0.007 χ^2/NDF: 2290.9/43

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.434+/-0.721 χ^2/NDF: 925.0/16

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -22.268+/-0.640 χ^2/NDF: 1264.1/20

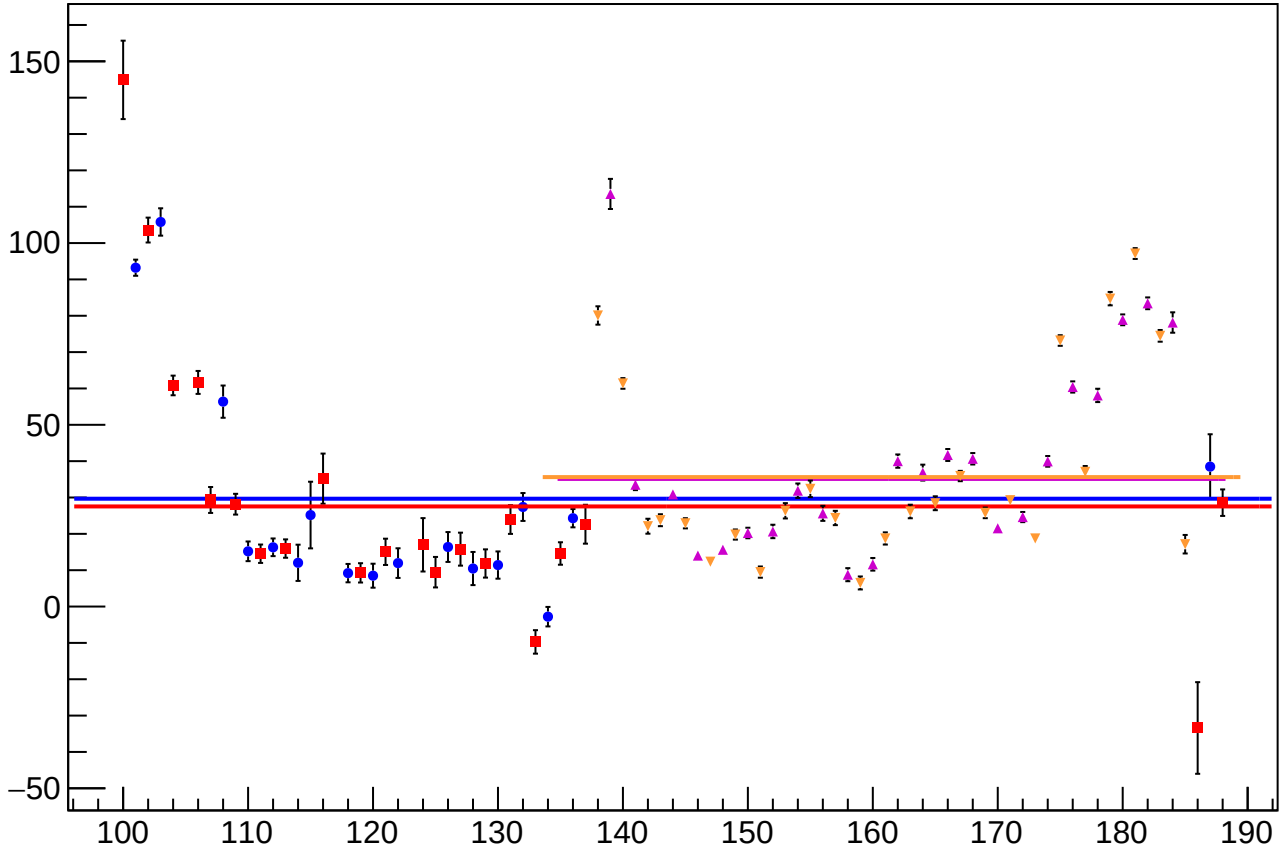
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.477+/-0.364 χ^2/NDF: 21992.3/41

All: -71.139+/-0.256 χ^2/NDF: 42652.2/85

- sign -67.878+/-0.360 χ^2/NDF: 20493.5/43

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.667+/-0.804 χ^2/NDF: 1666.7/16

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 27.542+/-0.777 χ^2/NDF: 1208.6/20

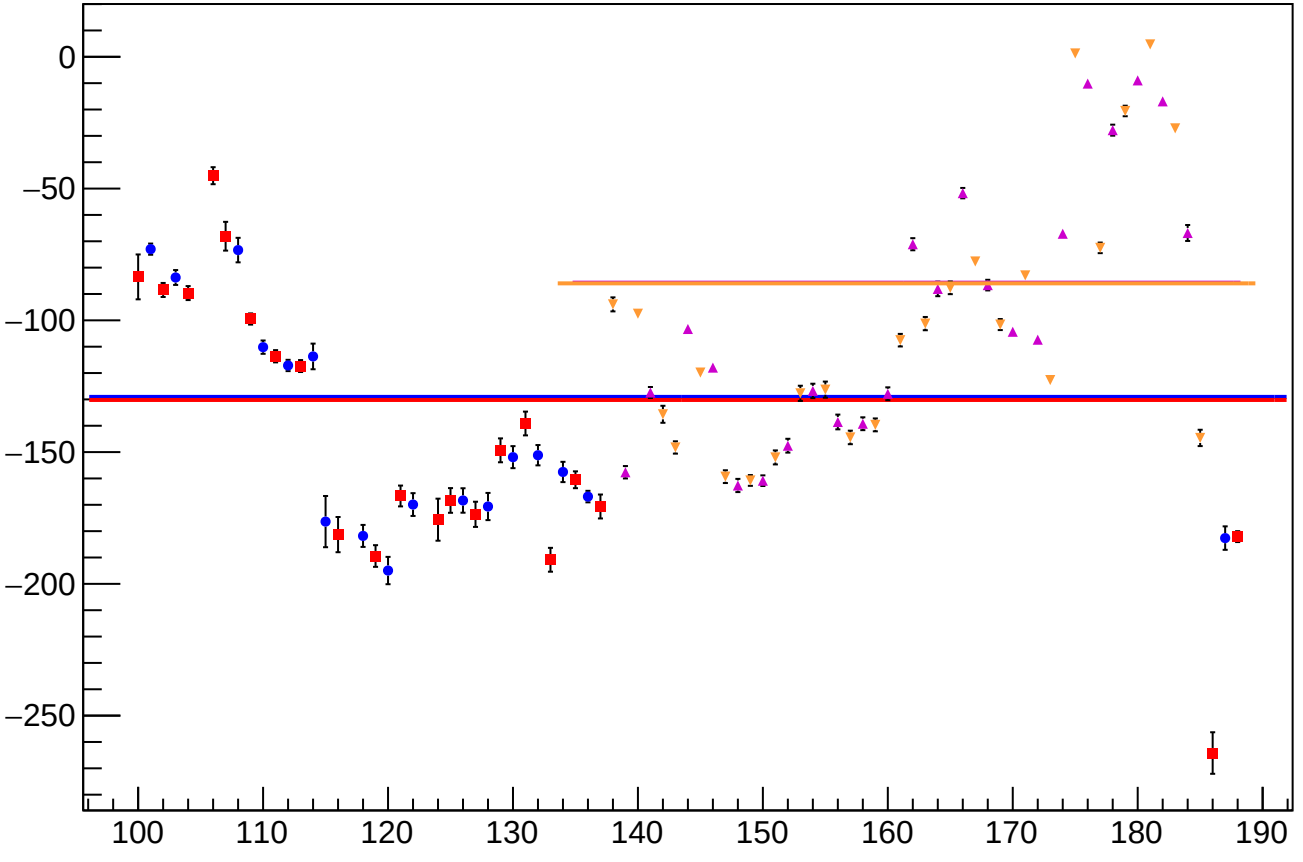
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 34.773+/-0.302 χ^2/NDF: 7686.7/41

All: 34.355+/-0.216 χ^2/NDF: 13123.6/85

- sign 33.917+/-0.309 χ^2/NDF: 5433.0/43

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -129.049+/-0.815 χ^2/NDF: 2328.0/16

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -130.216+/-0.741 χ^2/NDF: 3449.4/20

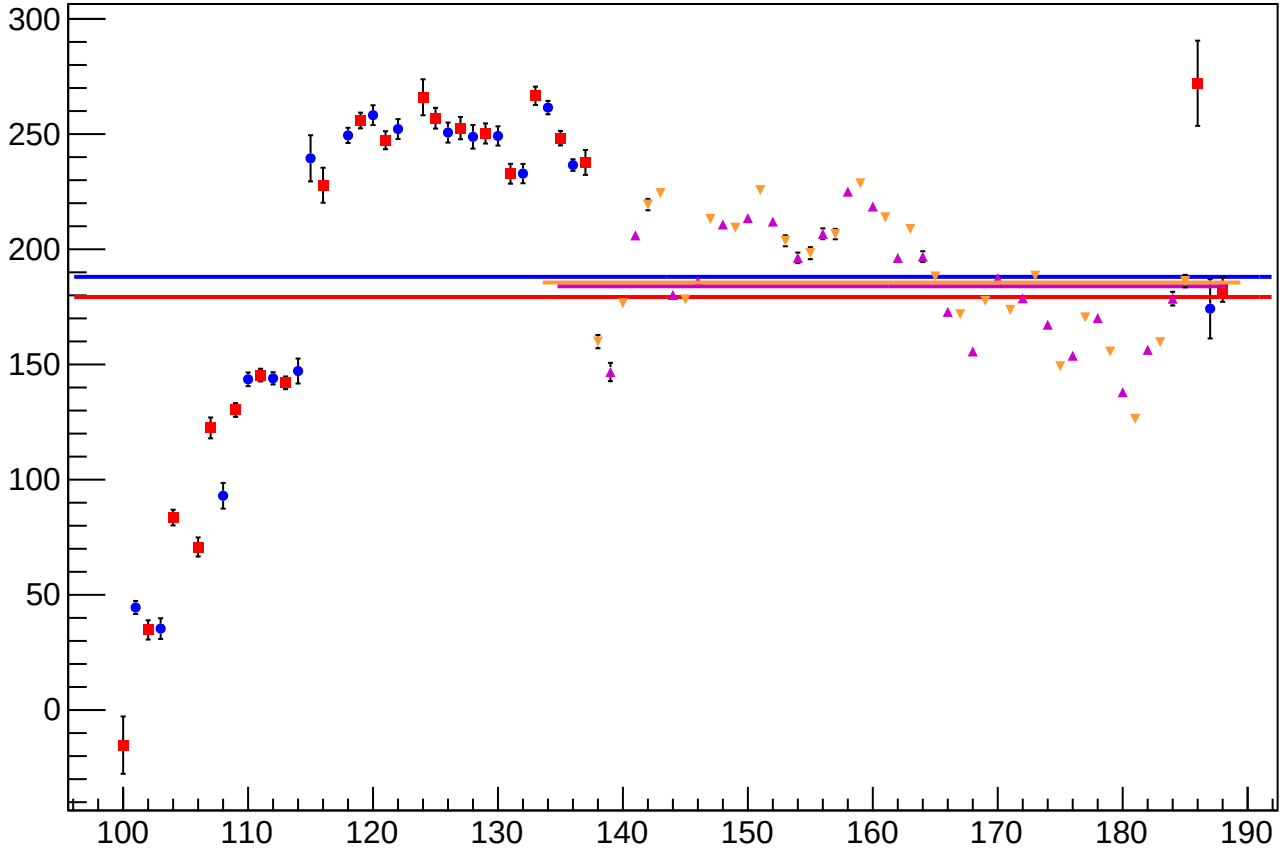
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -95.031+/-0.374 χ^2/NDF: 20765.0/41

All: -96.027+/-0.264 χ^2/NDF: 40680.4/85

- sign -97.021+/-0.373 χ^2/NDF: 19901.1/43

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.037+/-0.916 χ^2/NDF: 7119.8/16

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 179.288+/-0.894 χ^2/NDF: 6694.4/20

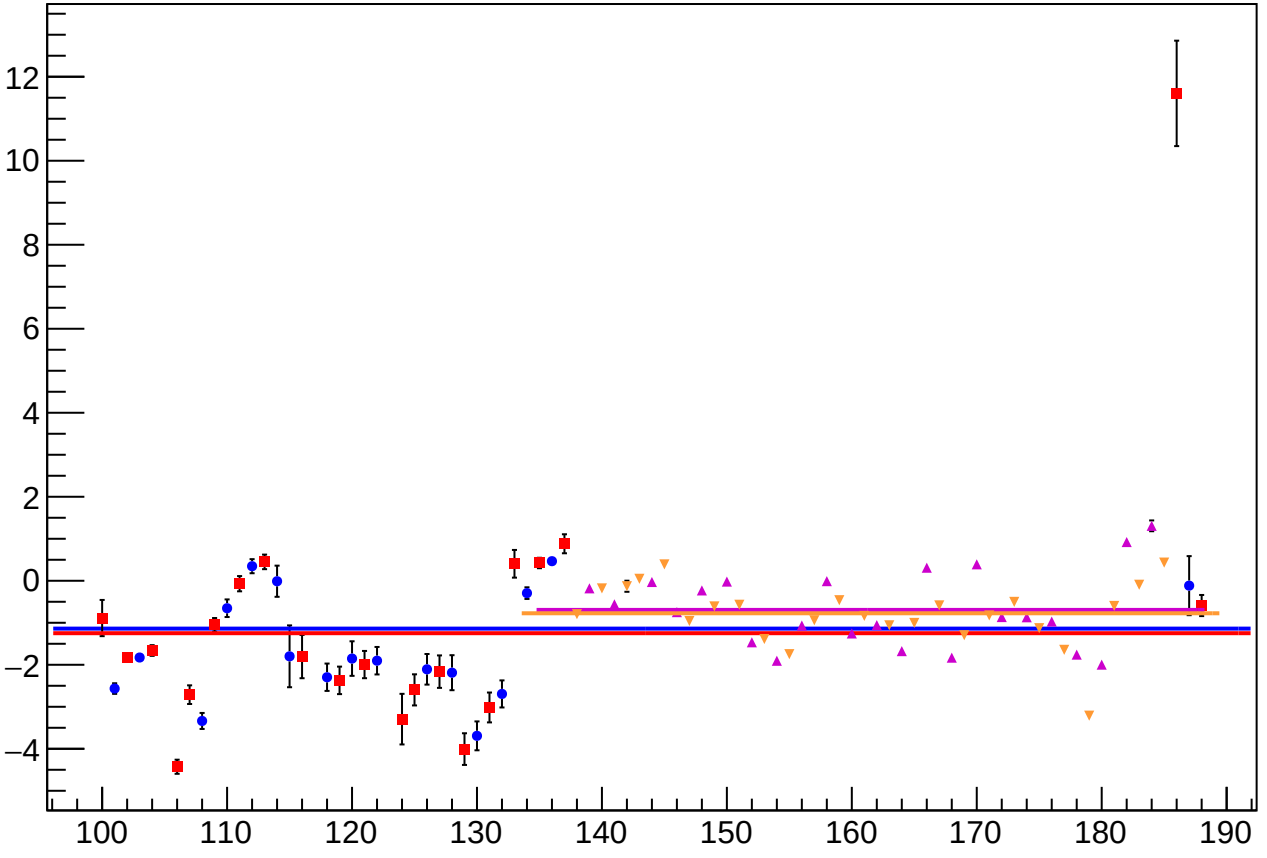
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

\+ sign 185.922+/-0.340 χ^2/NDF: 12480.7/41

All: 184.608+/-0.243 χ^2/NDF: 23102.0/85

\- sign 183.236+/-0.348 χ^2/NDF: 10590.9/43

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.139+/-0.048 χ^2/NDF: 789.5/16

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.248+/-0.047 χ^2/NDF: 1110.7/20

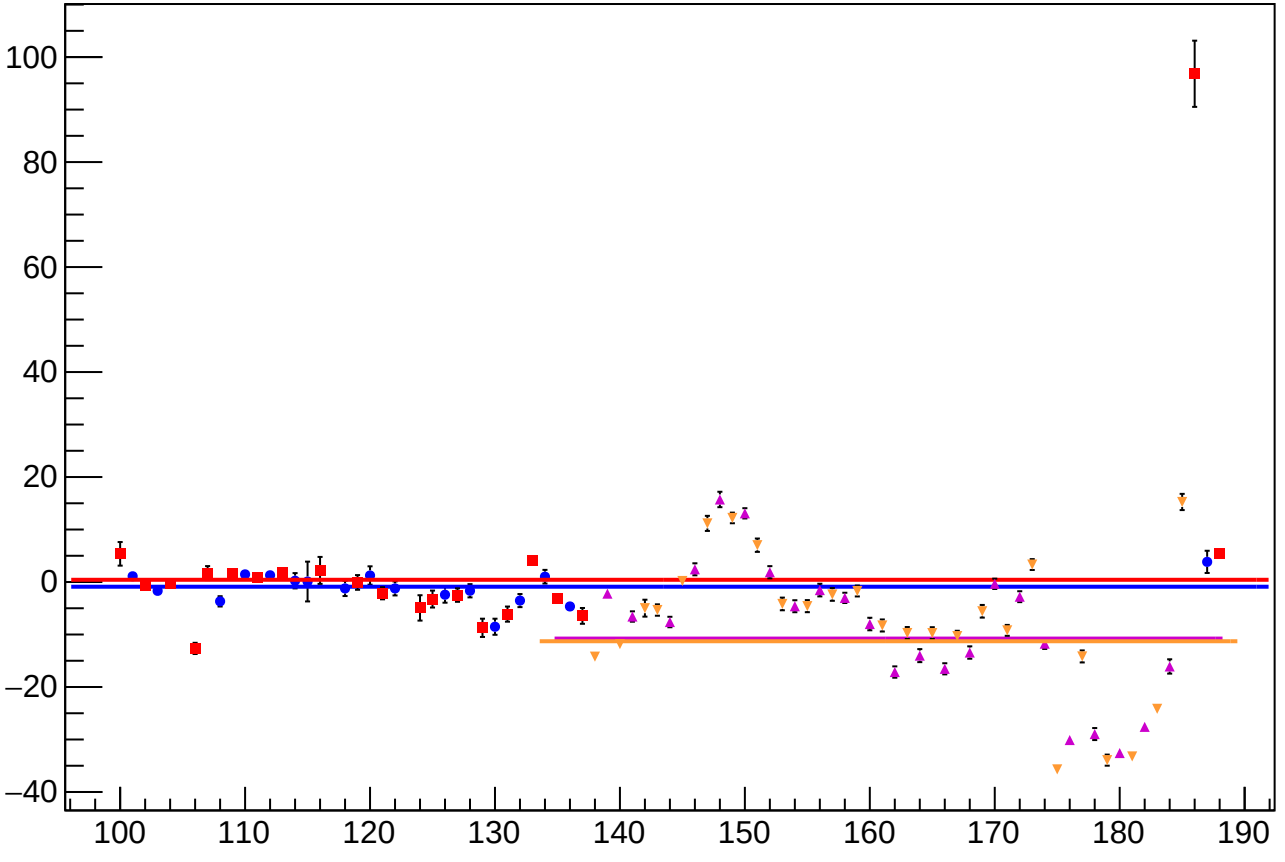
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.812+/-0.016 χ^2/NDF: 2664.4/41

All: -0.785+/-0.011 χ^2/NDF: 6472.0/85

- sign -0.757+/-0.016 χ^2/NDF: 3801.4/43

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.896+/-0.251 χ^2/NDF: 108.3/16

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: 0.425+/-0.210 χ^2/NDF: 594.6/20

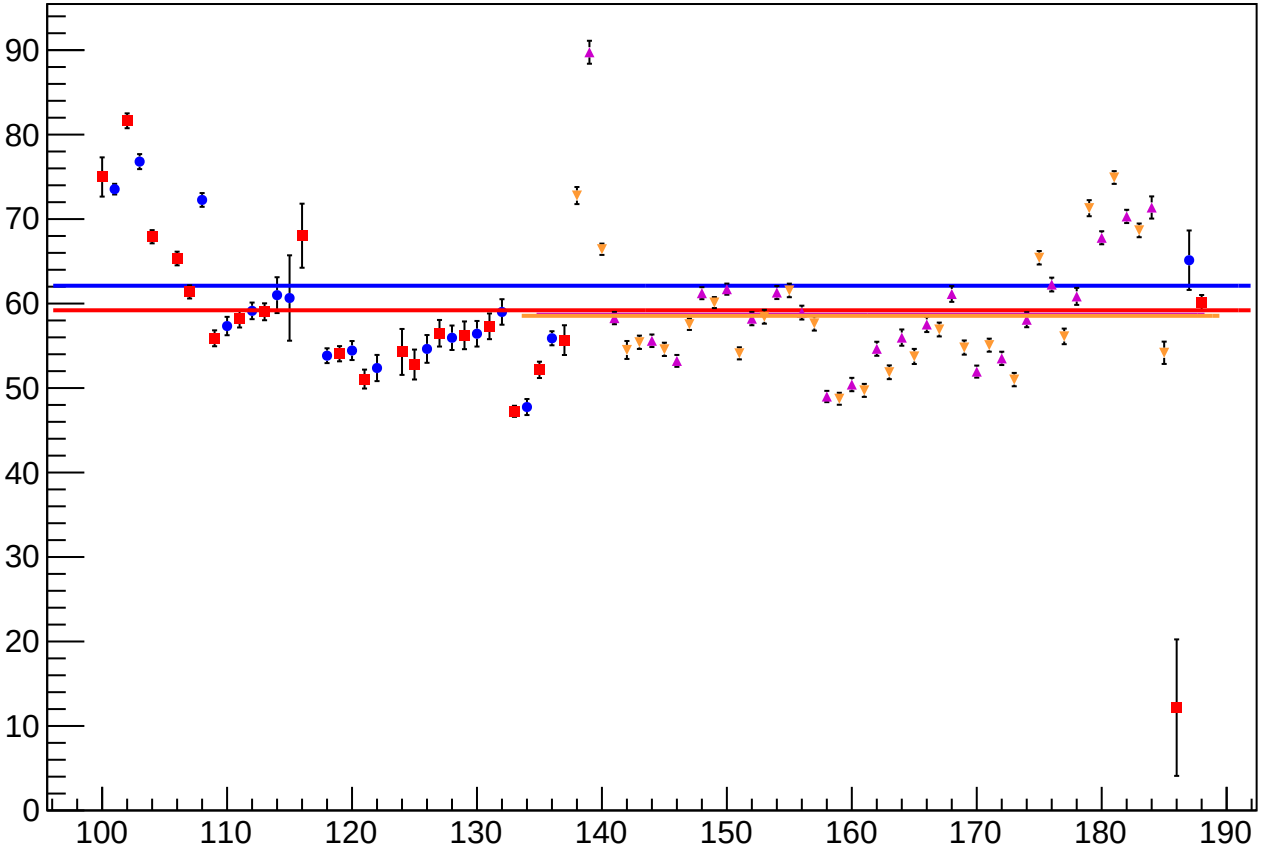
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -7.063+/-0.160 χ^2/NDF: 5622.1/41

All: -6.011+/-0.109 χ^2/NDF: 11395.0/85

- sign -5.092+/-0.150 χ^2/NDF: 5692.2/43

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.111+/-0.265 χ^2/NDF: 1302.0/16

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 59.204+/-0.236 χ^2/NDF: 1436.9/20

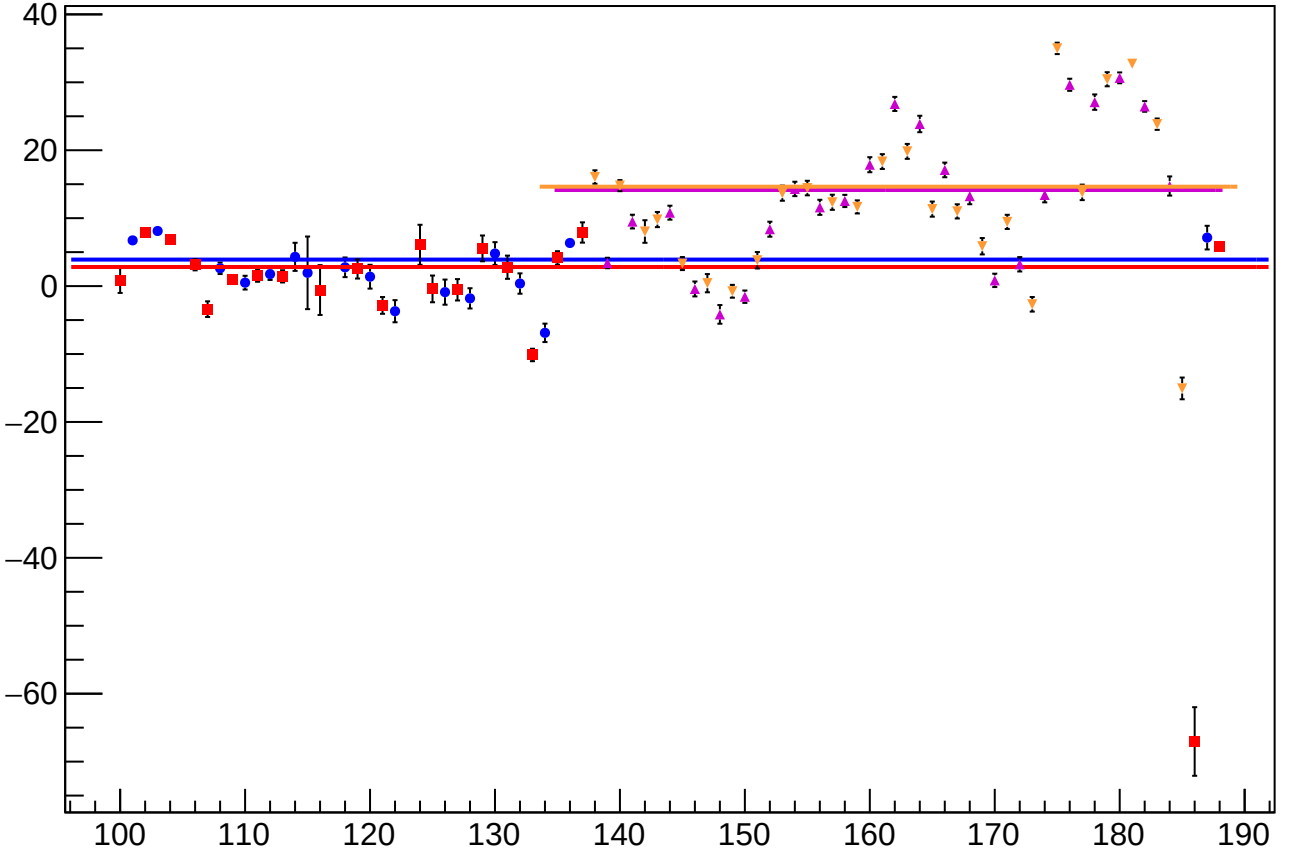
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 59.513+/-0.138 χ^2/NDF: 3336.6/41

All: 59.183+/-0.097 χ^2/NDF: 6401.7/85

- sign 58.856+/-0.137 χ^2/NDF: 3053.6/43

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.903+/-0.262 χ^2/NDF: 212.1/16

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 2.811+/-0.221 χ^2/NDF: 603.6/20

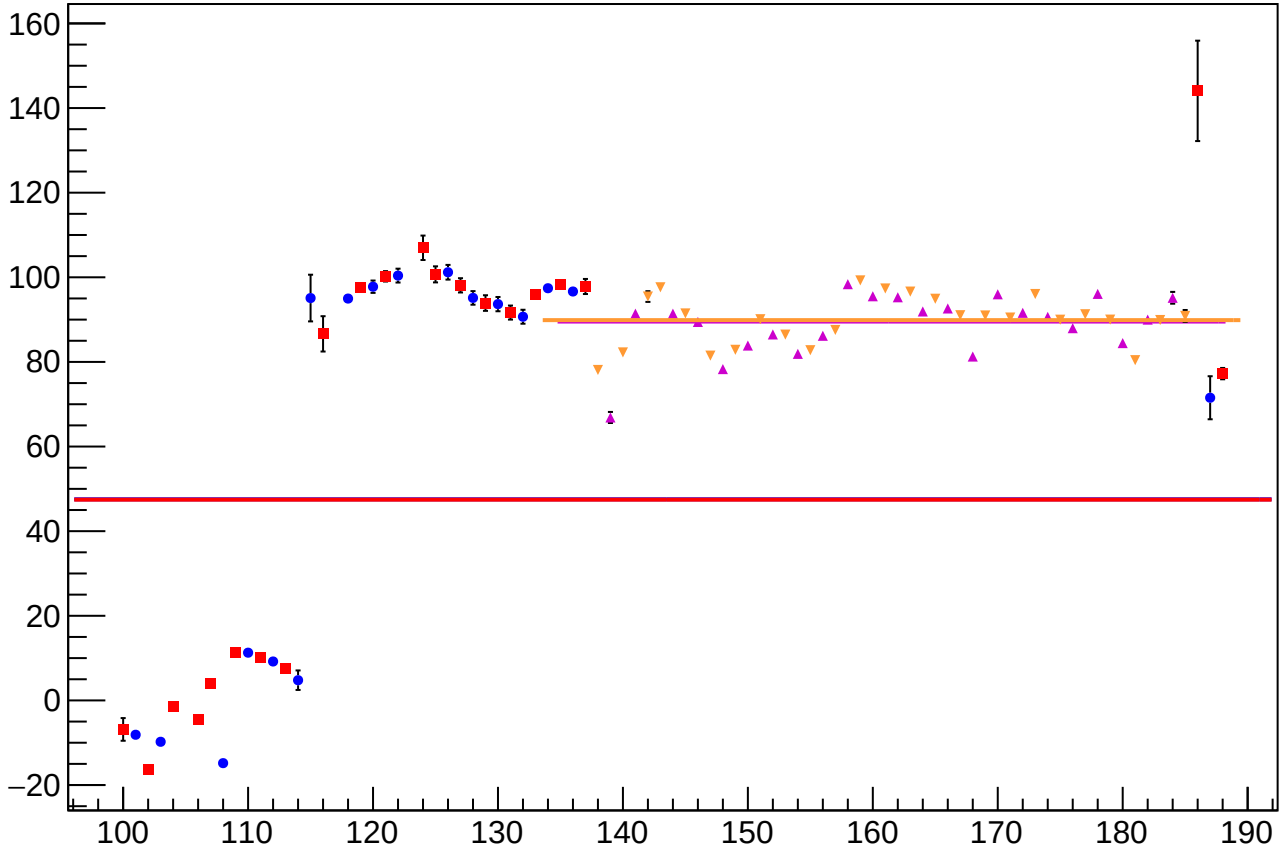
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.522+/-0.162 χ^2/NDF: 4207.0/41

All: 9.573+/-0.111 χ^2/NDF: 8791.2/85

- sign 8.732+/-0.153 χ^2/NDF: 4519.6/43

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.531+/-0.307 χ^2/NDF: 26909.2/16

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 47.450+/-0.278 χ^2/NDF: 29482.1/20

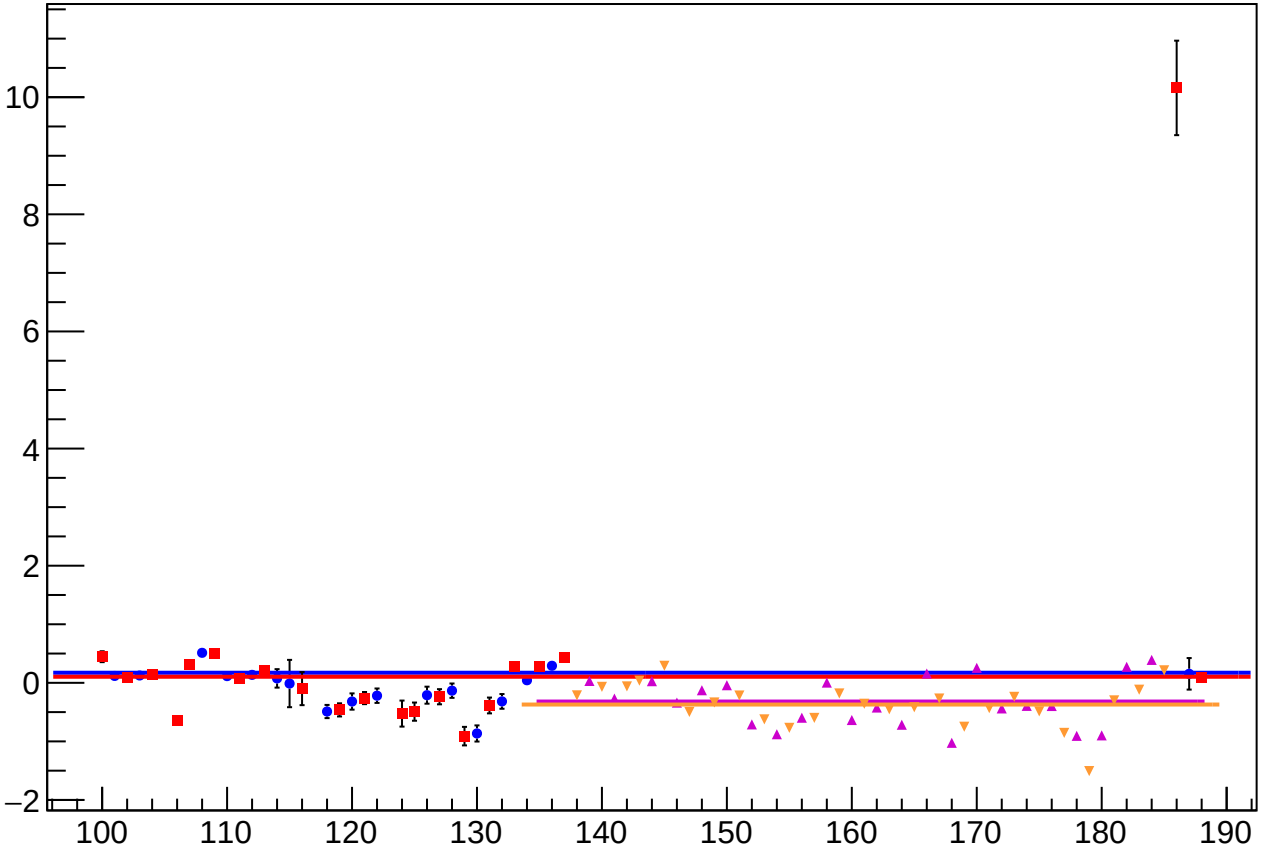
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 78.977+/-0.156 χ^2/NDF: 42057.1/41

All: 77.678+/-0.110 χ^2/NDF: 88515.0/85

- sign 76.388+/-0.155 χ^2/NDF: 46319.8/43

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/16

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: 0.104+/-0.013 χ^2/NDF: 714.2/20

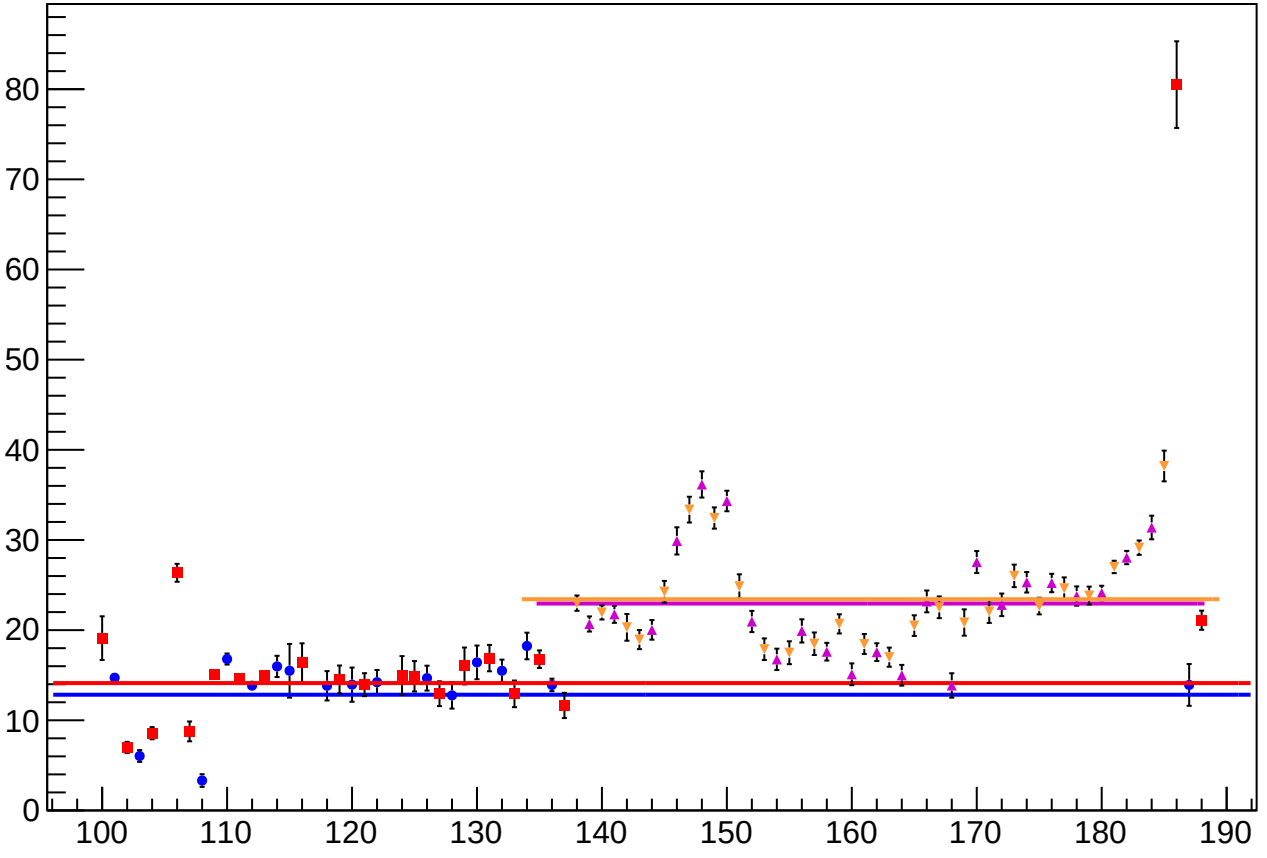
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.238+/-0.007 χ^2/NDF: 3150.9/41

All: -0.220+/-0.005 χ^2/NDF: 7074.6/85

- sign -0.202+/-0.007 χ^2/NDF: 3910.3/43

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.837+/-0.213 χ^2/NDF: 388.2/16

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 14.129+/-0.200 χ^2/NDF: 641.4/20

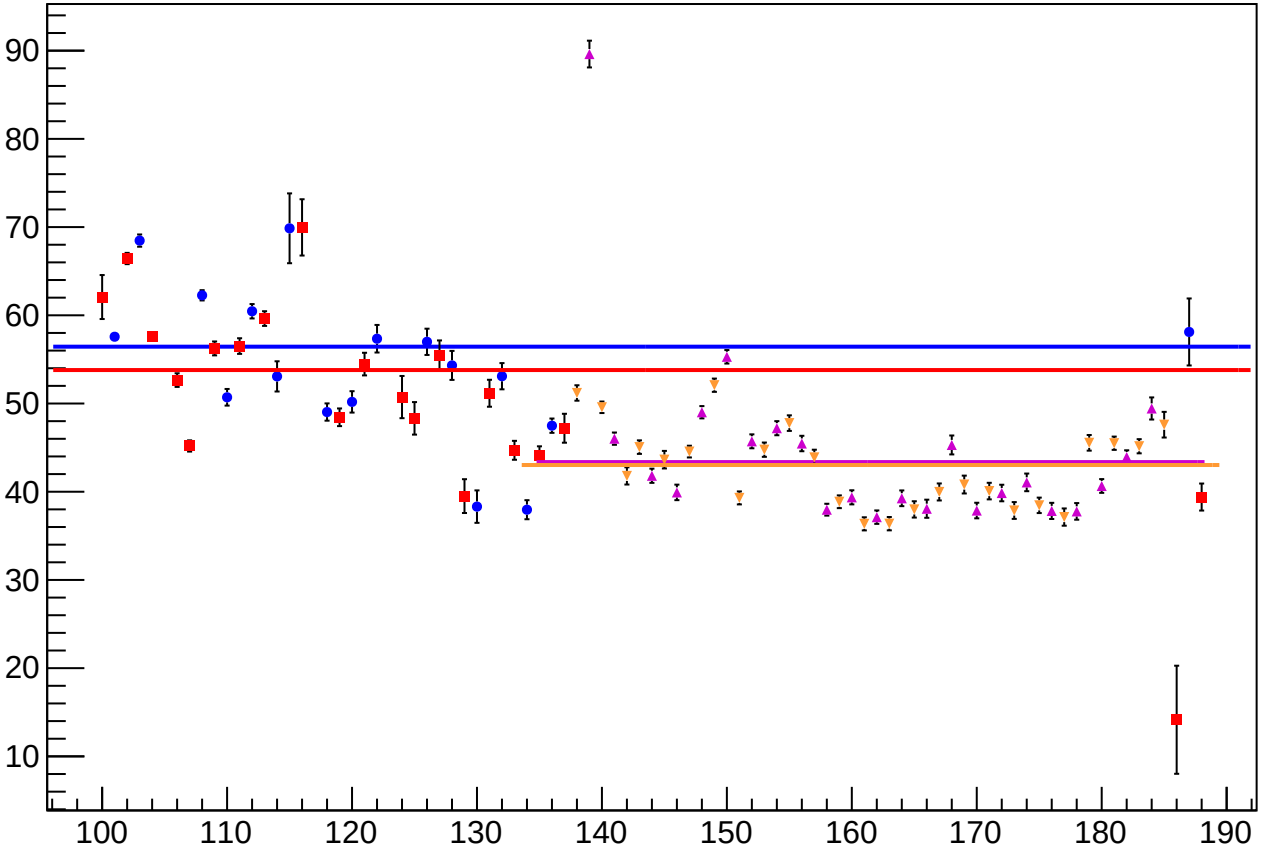
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 18.067+/-0.152 χ^2/NDF: 2035.9/41

All: 18.043+/-0.107 χ^2/NDF: 4098.5/85

- sign 18.020+/-0.150 χ^2/NDF: 2062.6/43

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.444+/-0.221 χ^2/NDF: 1088.2/16

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 53.794+/-0.222 χ^2/NDF: 1139.5/20

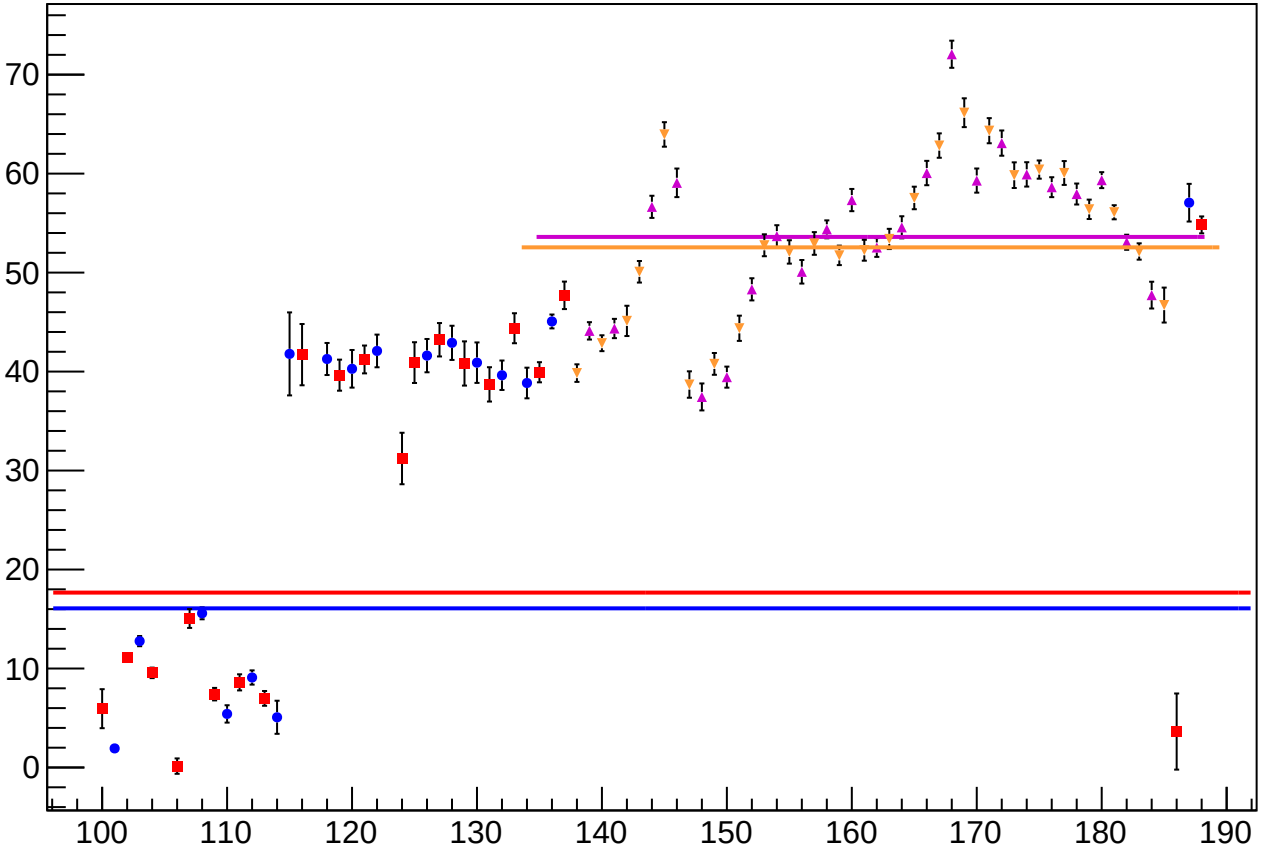
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 47.903+/-0.133 χ^2/NDF: 4205.4/41

All: 47.669+/-0.096 χ^2/NDF: 8384.2/85

- sign 47.417+/-0.138 χ^2/NDF: 4172.4/43

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 16.079+/-0.213 χ^2/NDF: 5645.3/16

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 17.670+/-0.212 χ^2/NDF: 5896.5/20

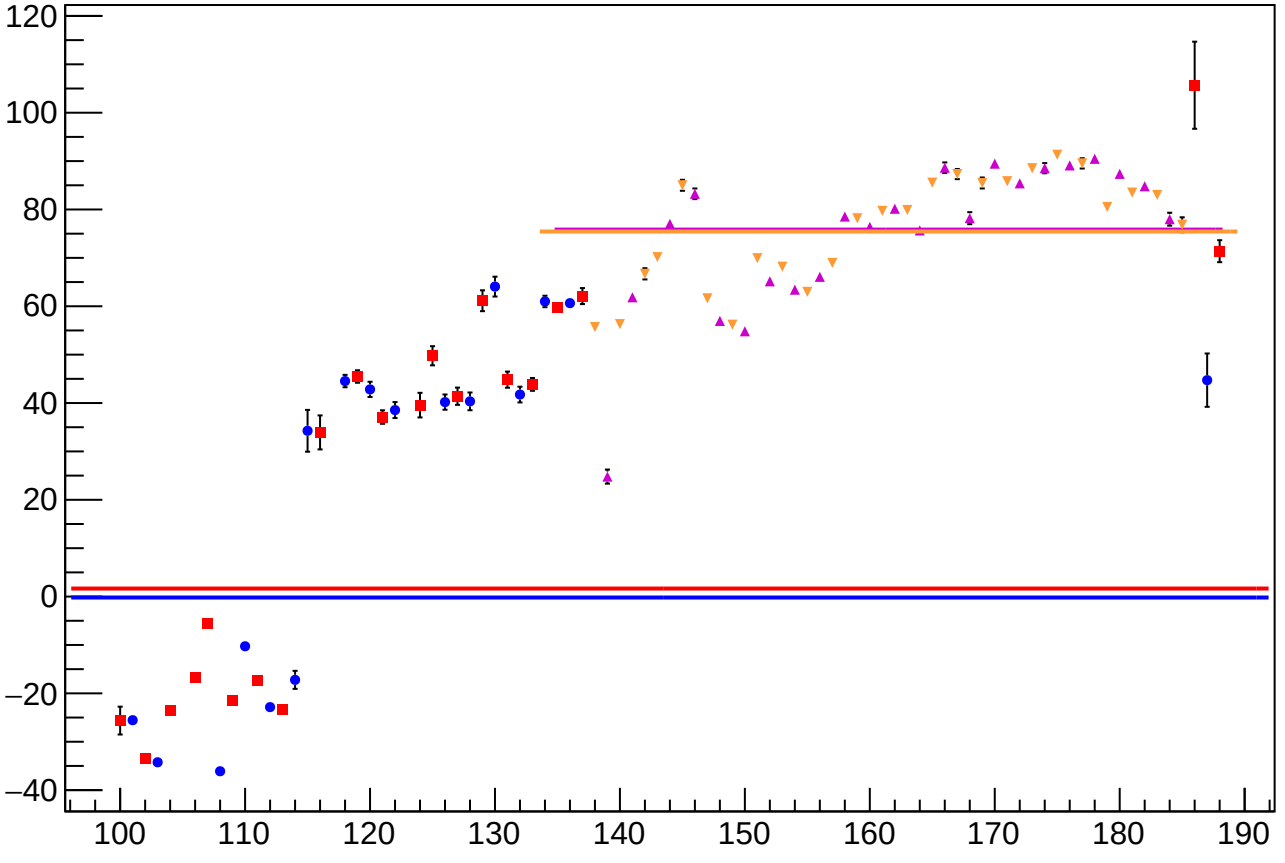
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 34.149+/-0.151 χ^2/NDF: 21405.9/41

All: 34.436+/-0.108 χ^2/NDF: 41975.6/85

- sign 34.732+/-0.154 χ^2/NDF: 20562.3/43

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.195+/-0.261 χ^2/NDF: 21097.4/16

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.661+/-0.262 χ^2/NDF: 17119.4/20

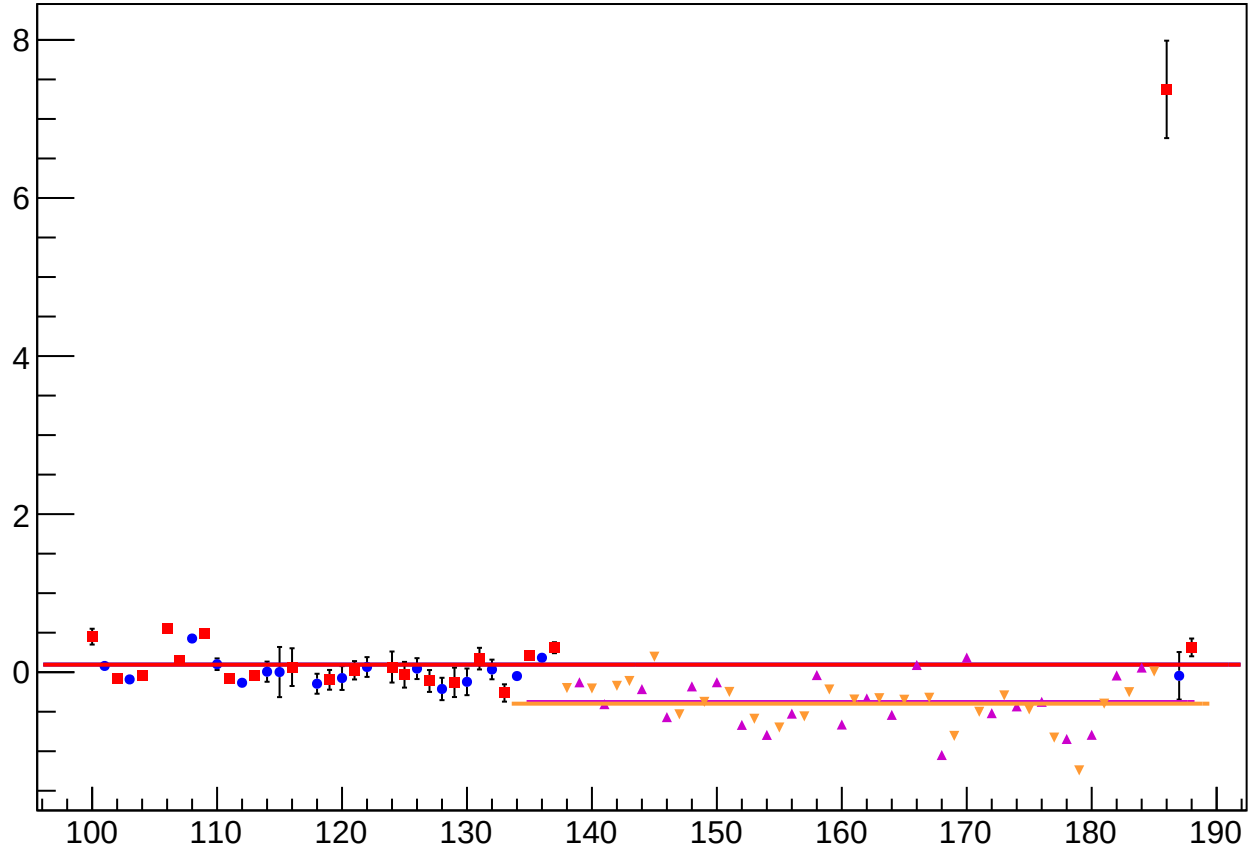
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.560+/-0.153 χ^2/NDF: 79771.2/41

All: 49.275+/-0.110 χ^2/NDF: 152393.0/85

- sign 48.973+/-0.158 χ^2/NDF: 72614.6/43

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.3/16

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.095+/-0.011 χ^2/NDF: 542.8/20

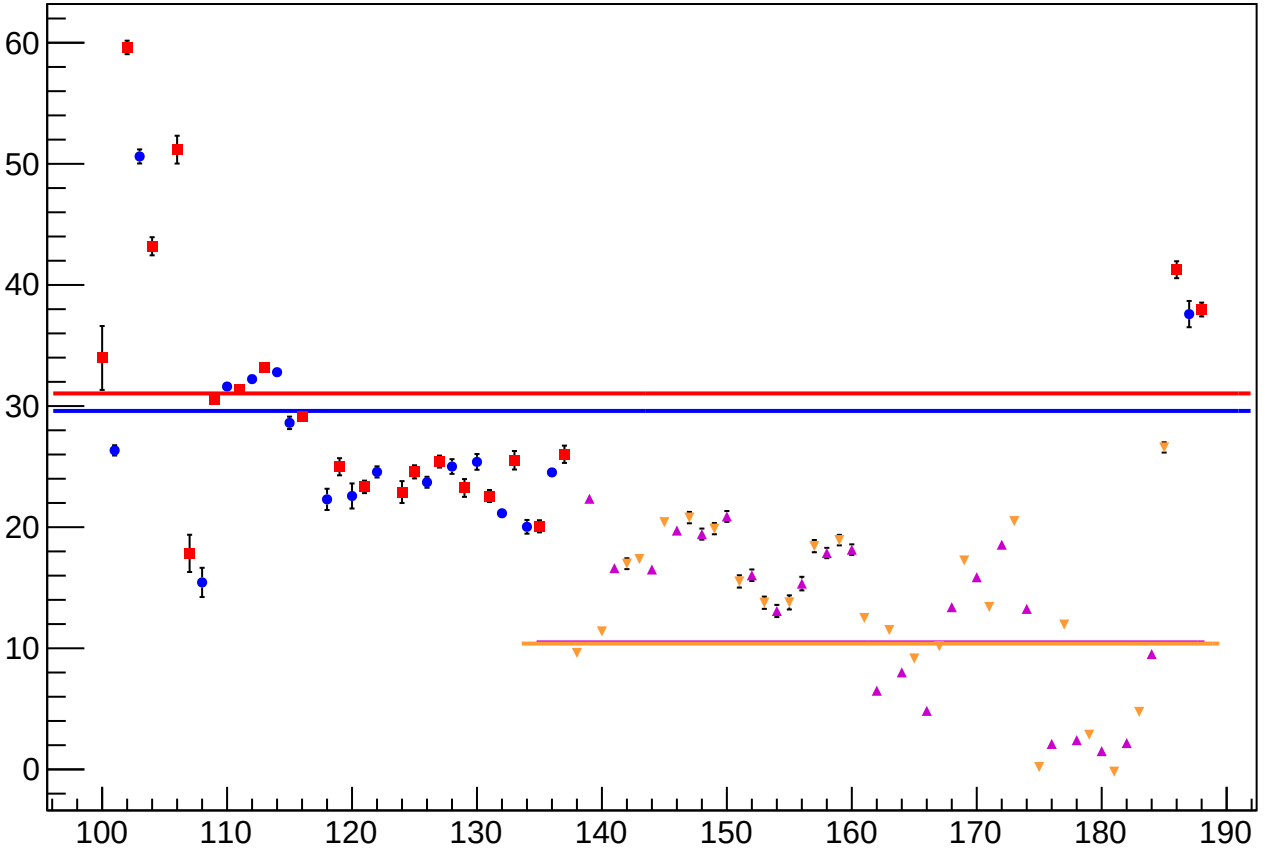
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.220+/-0.007 χ^2/NDF: 2578.2/41

All: -0.213+/-0.005 χ^2/NDF: 5580.4/85

- sign -0.205+/-0.007 χ^2/NDF: 2999.8/43

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.599+/-0.092 χ^2/NDF: 3427.0/16

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 31.044+/-0.079 χ^2/NDF: 5450.9/20

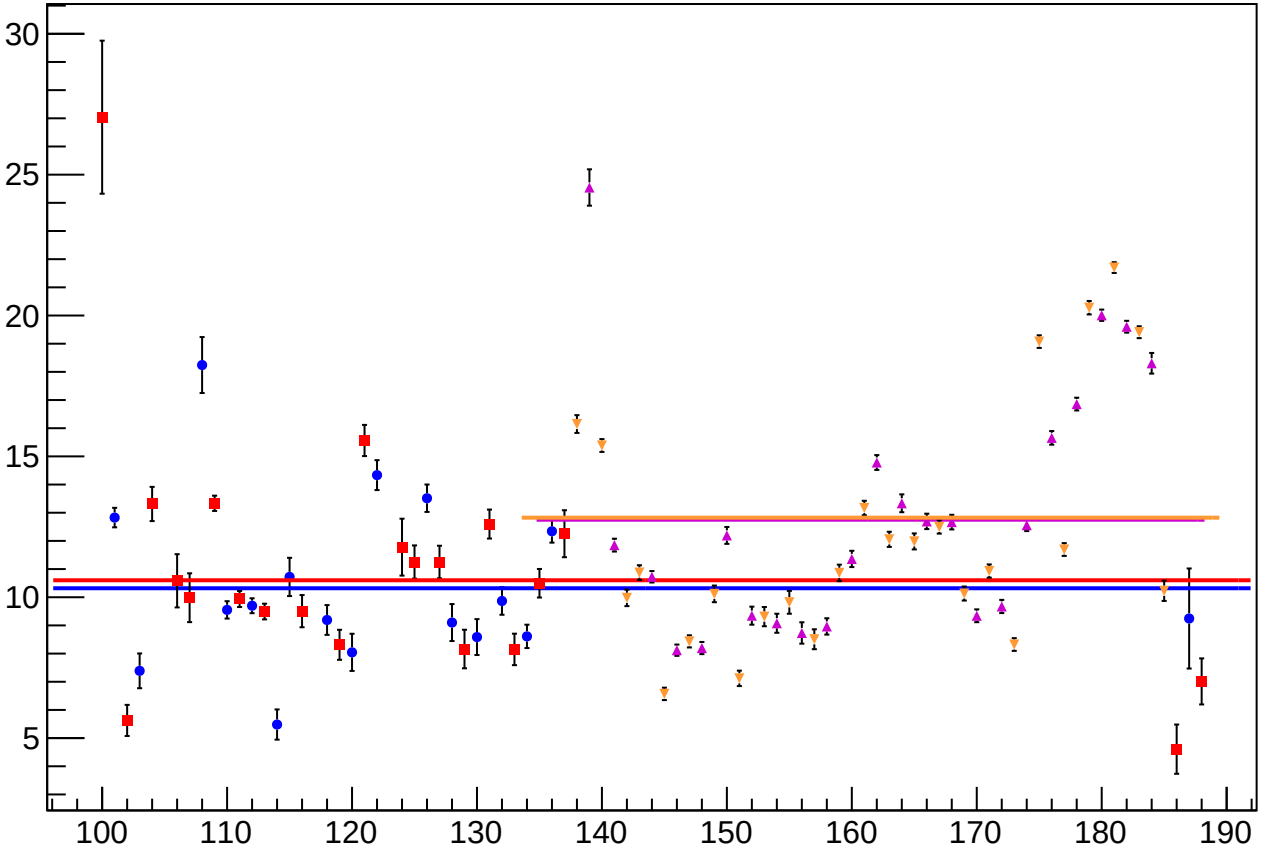
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.705+/-0.053 χ^2/NDF: 46721.9/41

All: 17.925+/-0.037 χ^2/NDF: 104281.2/85

- sign 19.073+/-0.051 χ^2/NDF: 56513.3/43

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.319+/-0.114 χ^2/NDF: 403.0/16

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.603+/-0.111 χ^2/NDF: 484.3/20

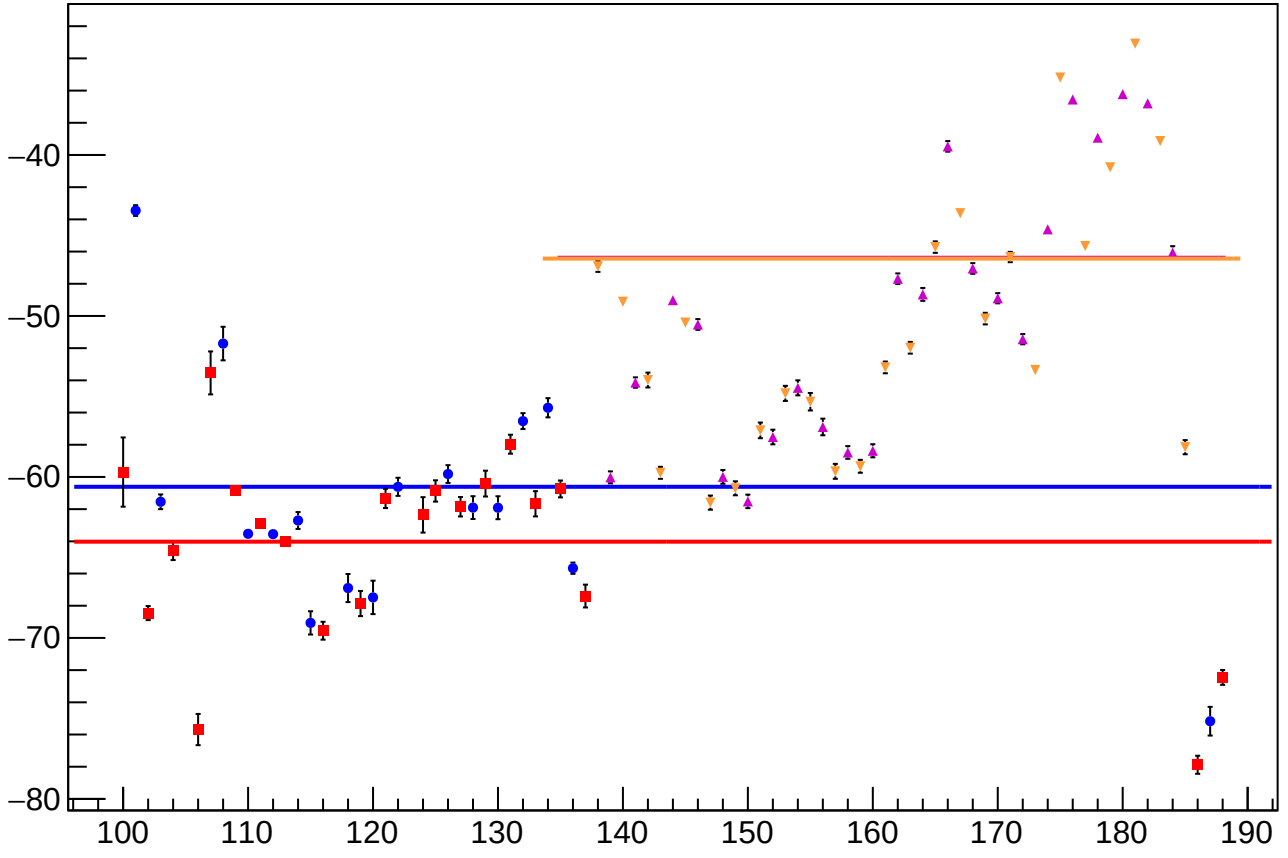
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.405+/-0.047 χ^2/NDF: 8823.4/41

All: 12.380+/-0.033 χ^2/NDF: 15116.7/85

- sign 12.354+/-0.048 χ^2/NDF: 6292.8/43

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.611+/-0.112 χ^2/NDF: 3868.6/16

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -64.021+/-0.103 χ^2/NDF: 1866.0/20

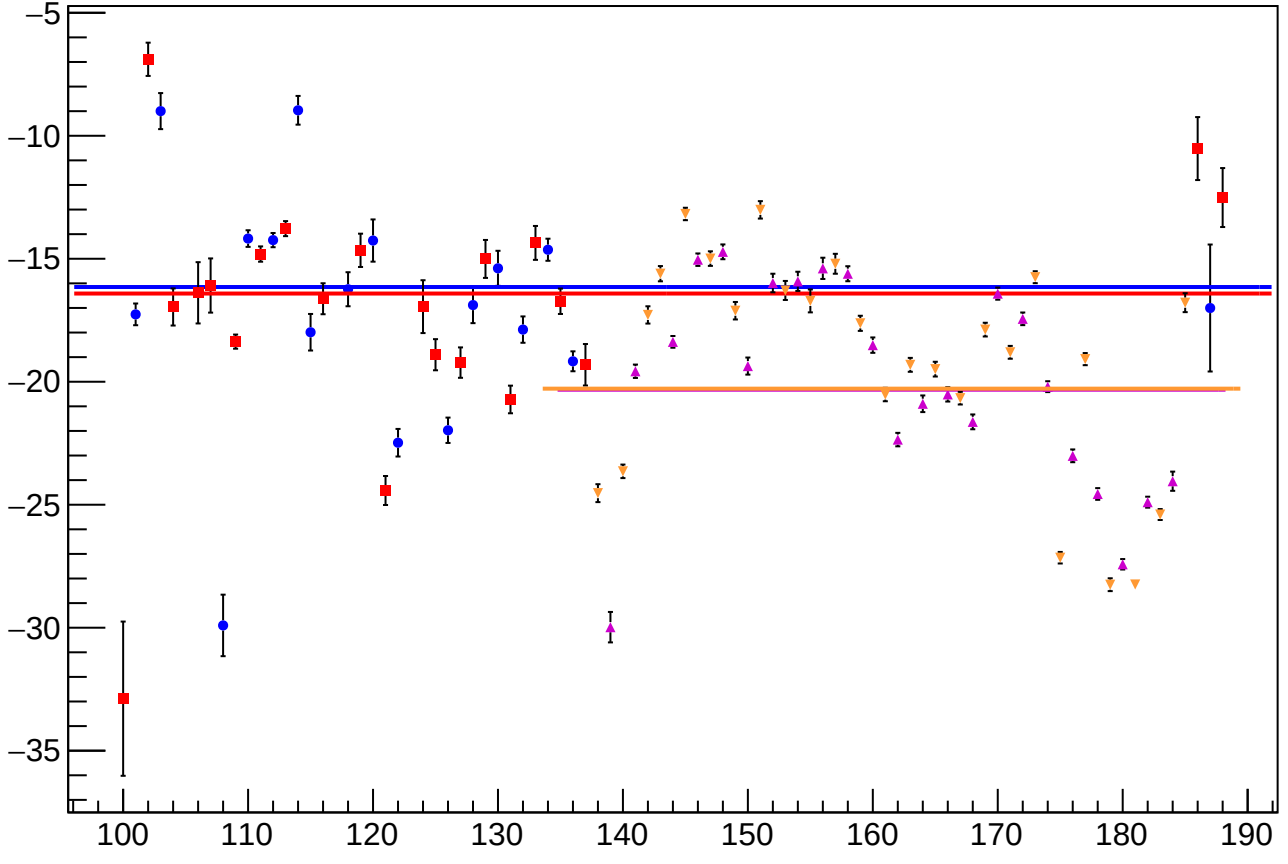
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.954+/-0.056 χ^2/NDF: 34059.3/41

All: -50.788+/-0.040 χ^2/NDF: 72175.2/85

- sign -51.625+/-0.056 χ^2/NDF: 37669.5/43

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.149+/-0.127 χ^2/NDF: 797.2/16

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.414+/-0.123 χ^2/NDF: 717.1/20

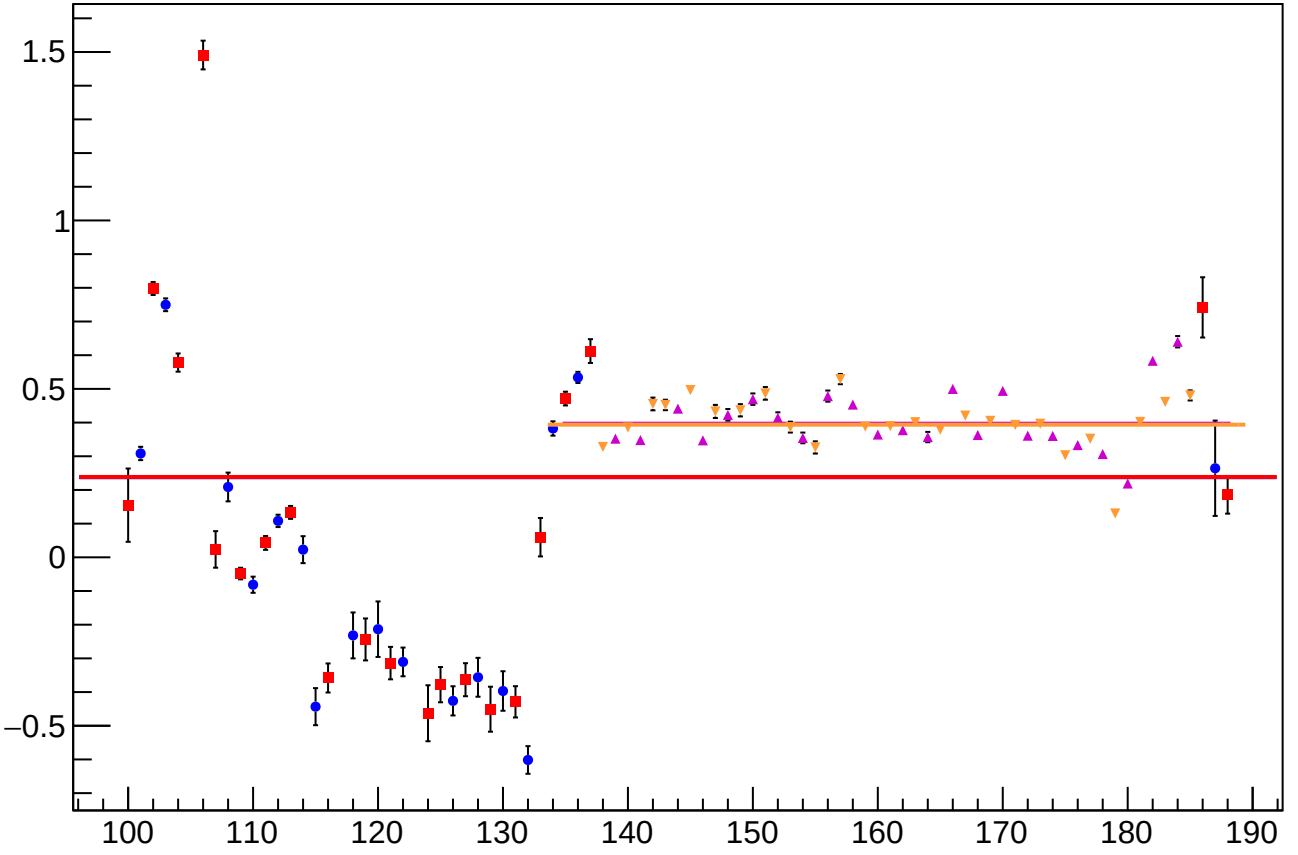
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.587+/-0.052 χ^2/NDF: 8697.3/41

All: -19.591+/-0.037 χ^2/NDF: 14504.0/85

- sign -19.595+/-0.053 χ^2/NDF: 5806.7/43

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/16

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.238+/-0.007 χ^2/NDF: 3627.7/20

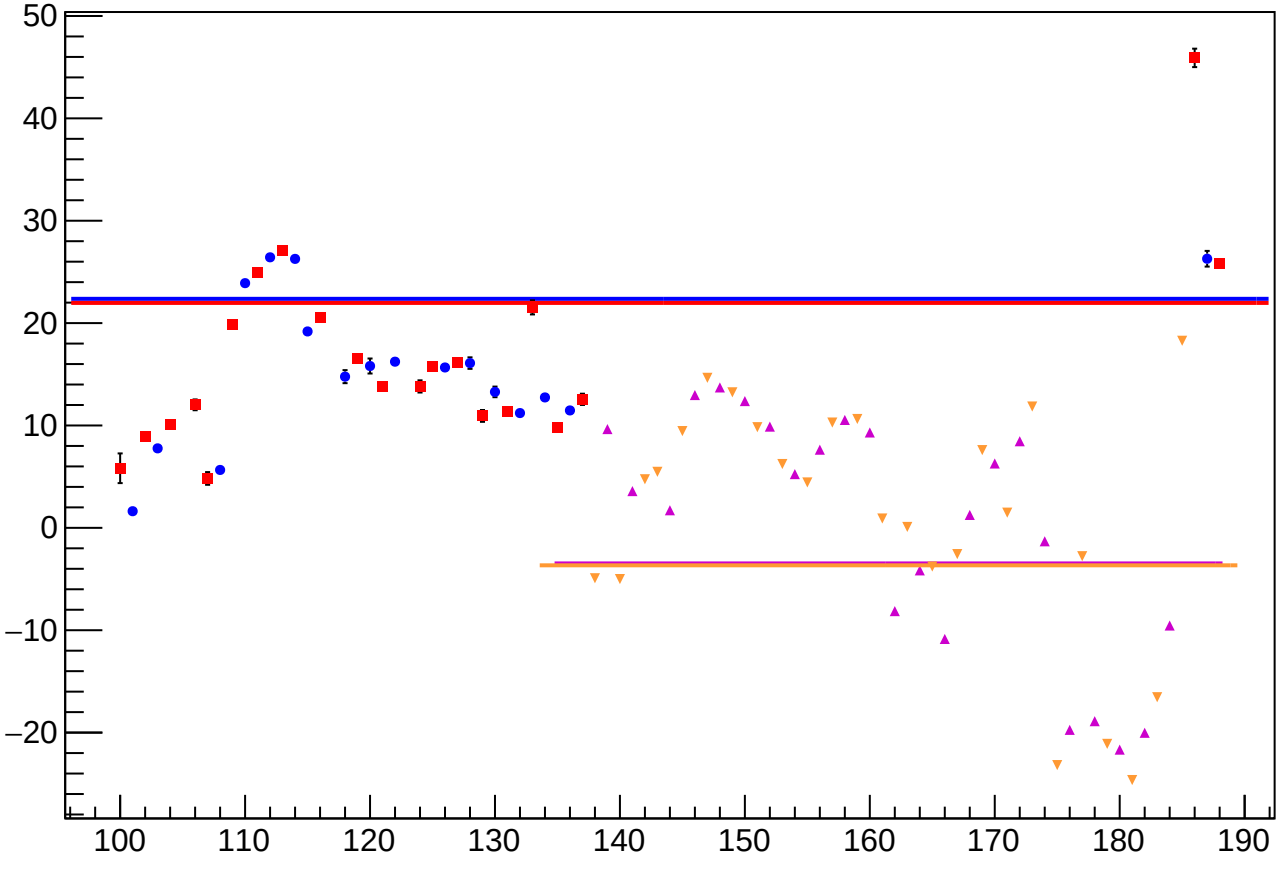
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

\+ sign 0.376+/-0.002 χ^2/NDF: 4011.6/41

All: 0.376+/-0.002 χ^2/NDF: 9381.3/85

\- sign 0.377+/-0.002 χ^2/NDF: 5369.4/43

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.371+/-0.056 χ^2/NDF: 12363.1/16

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.972+/-0.046 χ^2/NDF: 11493.4/20

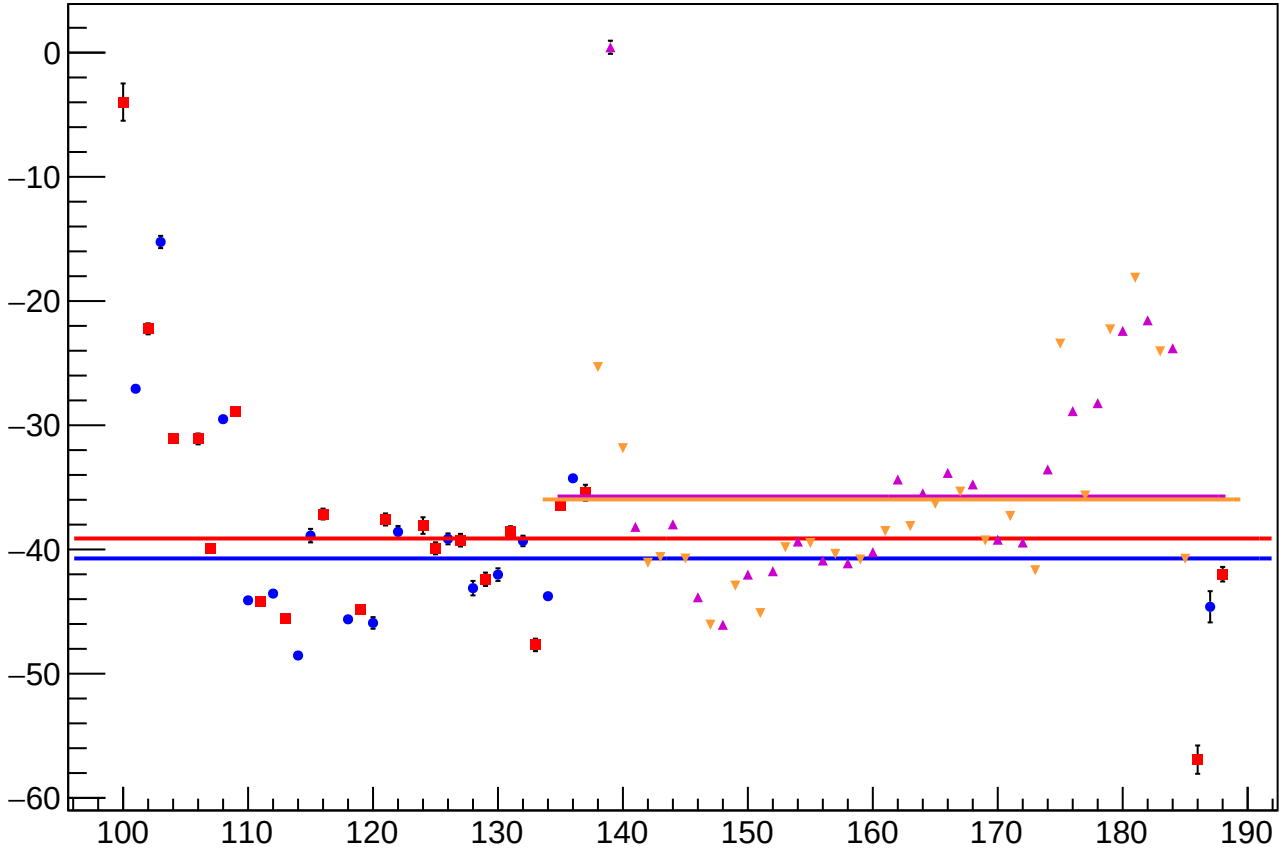
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.918+/-0.039 χ^2/NDF: 179191.3/41

All: 10.618+/-0.026 χ^2/NDF: 359011.7/85

- sign 12.040+/-0.036 χ^2/NDF: 176369.2/43

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.723+/-0.076 χ^2/NDF: 7790.0/16

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -39.116+/-0.070 χ^2/NDF: 10371.8/20

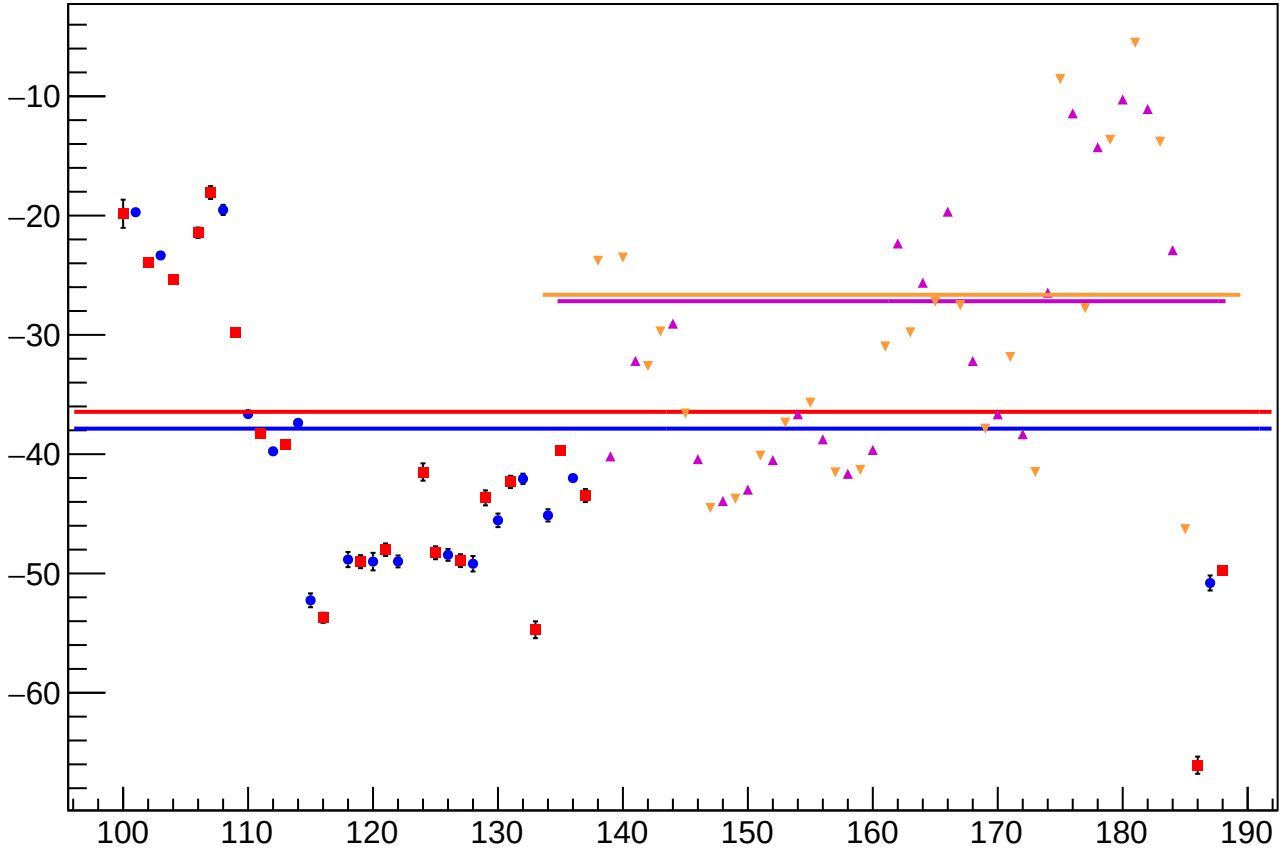
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -37.094+/-0.037 χ^2/NDF: 44357.2/41

All: -36.909+/-0.026 χ^2/NDF: 83572.1/85

- sign -36.715+/-0.038 χ^2/NDF: 39163.9/43

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.858+/-0.073 χ^2/NDF: 11281.2/16

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -36.451+/-0.063 χ^2/NDF: 16709.9/20

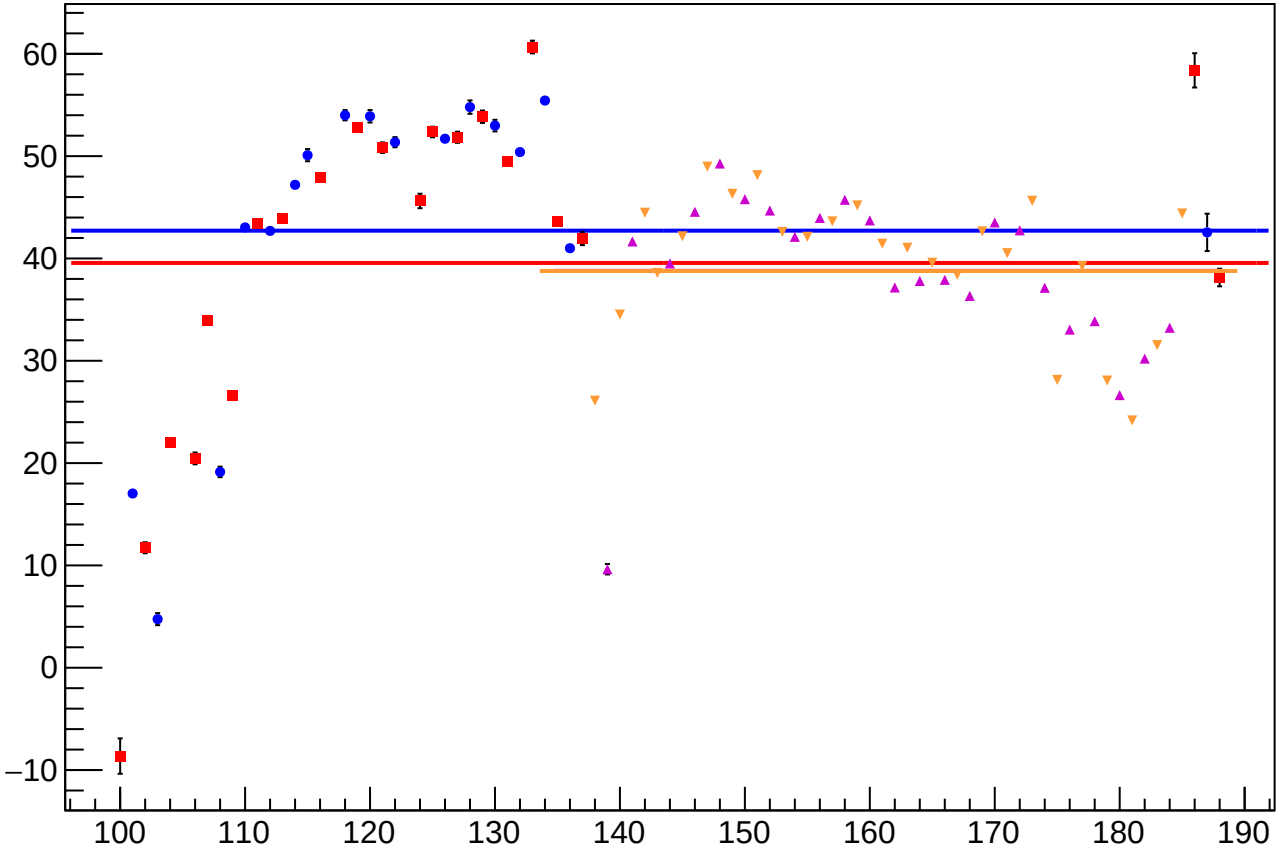
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.645+/-0.044 χ^2/NDF: 76416.6/41

All: -31.023+/-0.030 χ^2/NDF: 146156.1/85

- sign -31.376+/-0.042 χ^2/NDF: 69595.3/43

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.717+/-0.085 χ^2/NDF: 14765.0/16

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 39.563+/-0.078 χ^2/NDF: 18107.5/20

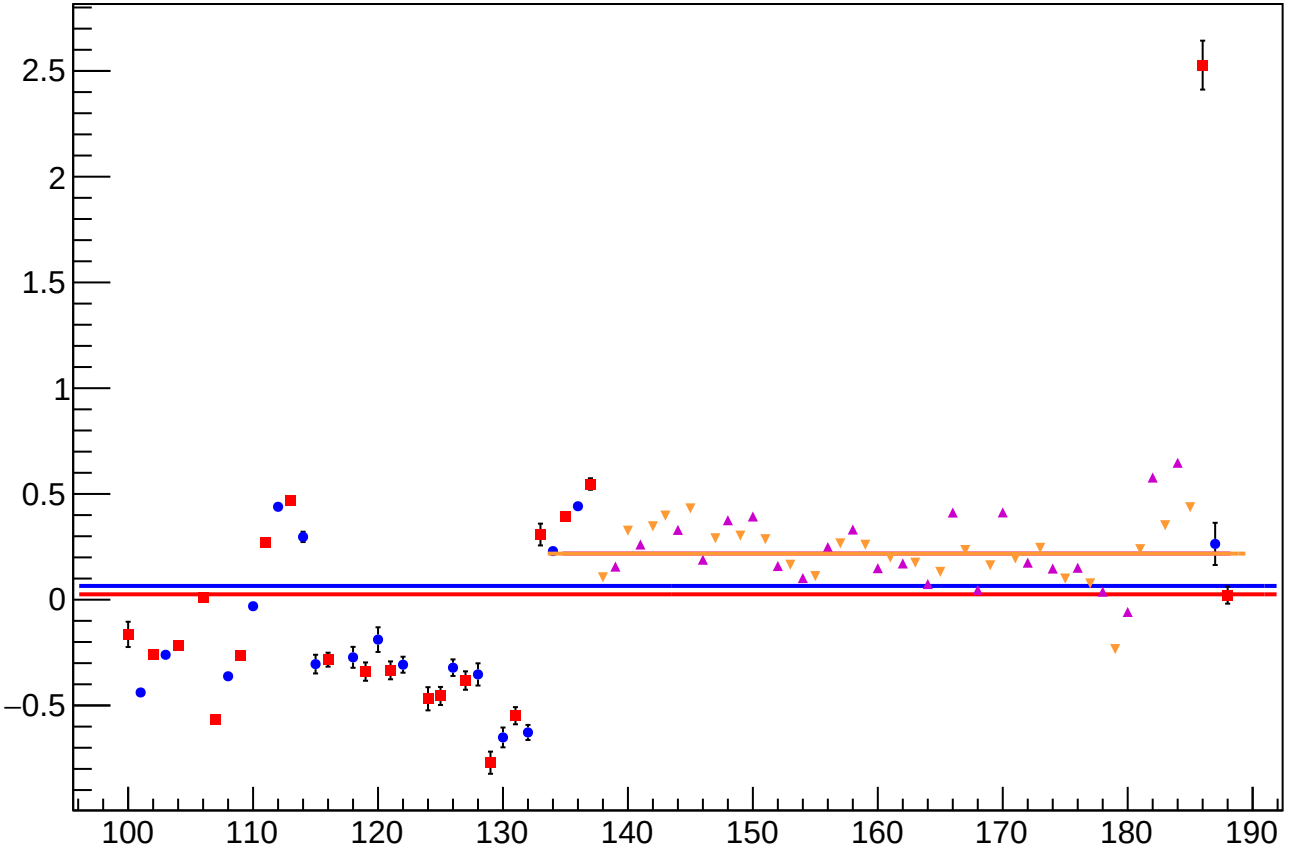
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.722+/-0.042 χ^2/NDF: 37470.7/41

All: 39.375+/-0.030 χ^2/NDF: 72029.5/85

- sign 39.018+/-0.042 χ^2/NDF: 34417.6/43

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5501.5/16

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: 0.025+/-0.004 χ^2/NDF: 6874.0/20

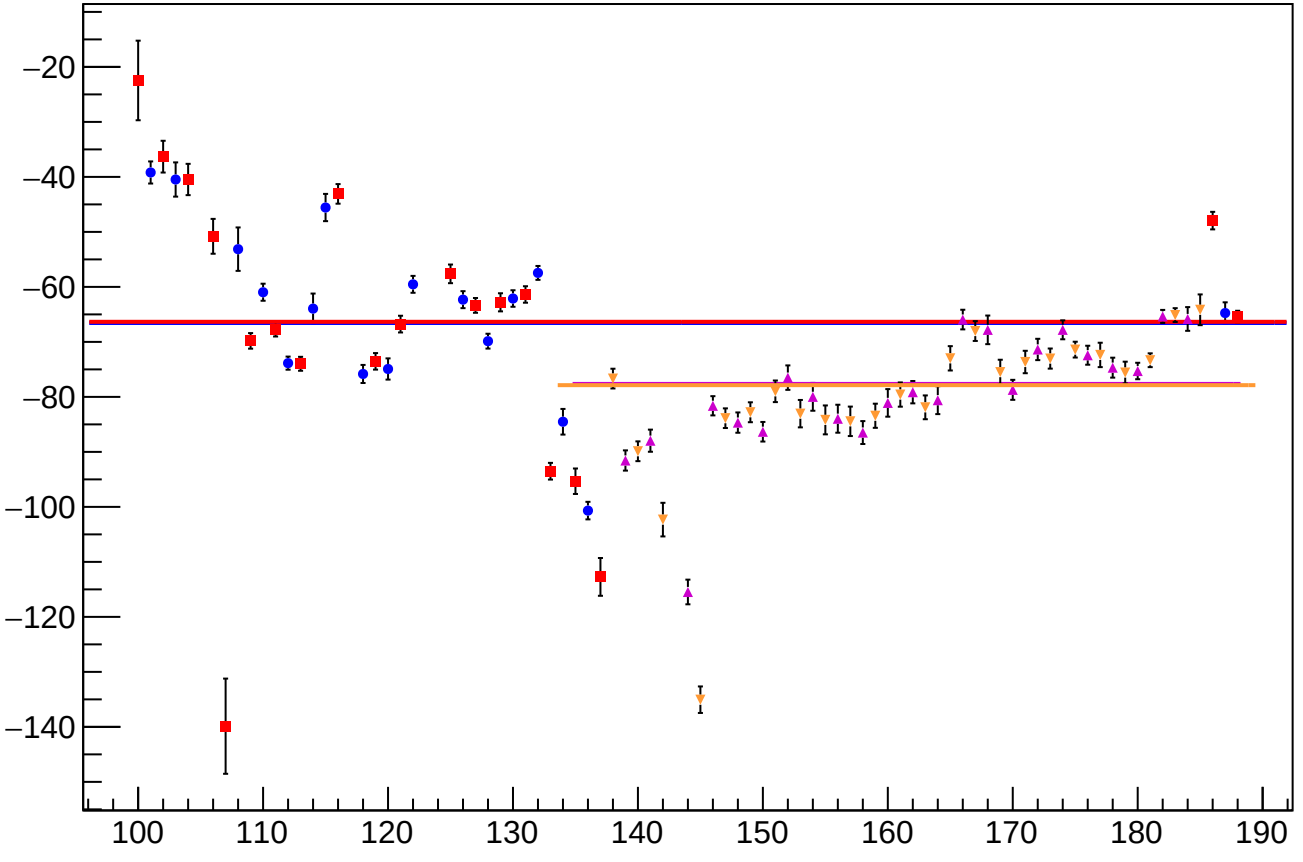
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.193+/-0.002 χ^2/NDF: 10410.5/41

All: 0.186+/-0.001 χ^2/NDF: 24176.0/85

- sign 0.178+/-0.002 χ^2/NDF: 13738.9/43

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.561+/-0.416 χ^2/NDF: 1053.3/16

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -66.346+/-0.380 χ^2/NDF: 1400.5/19

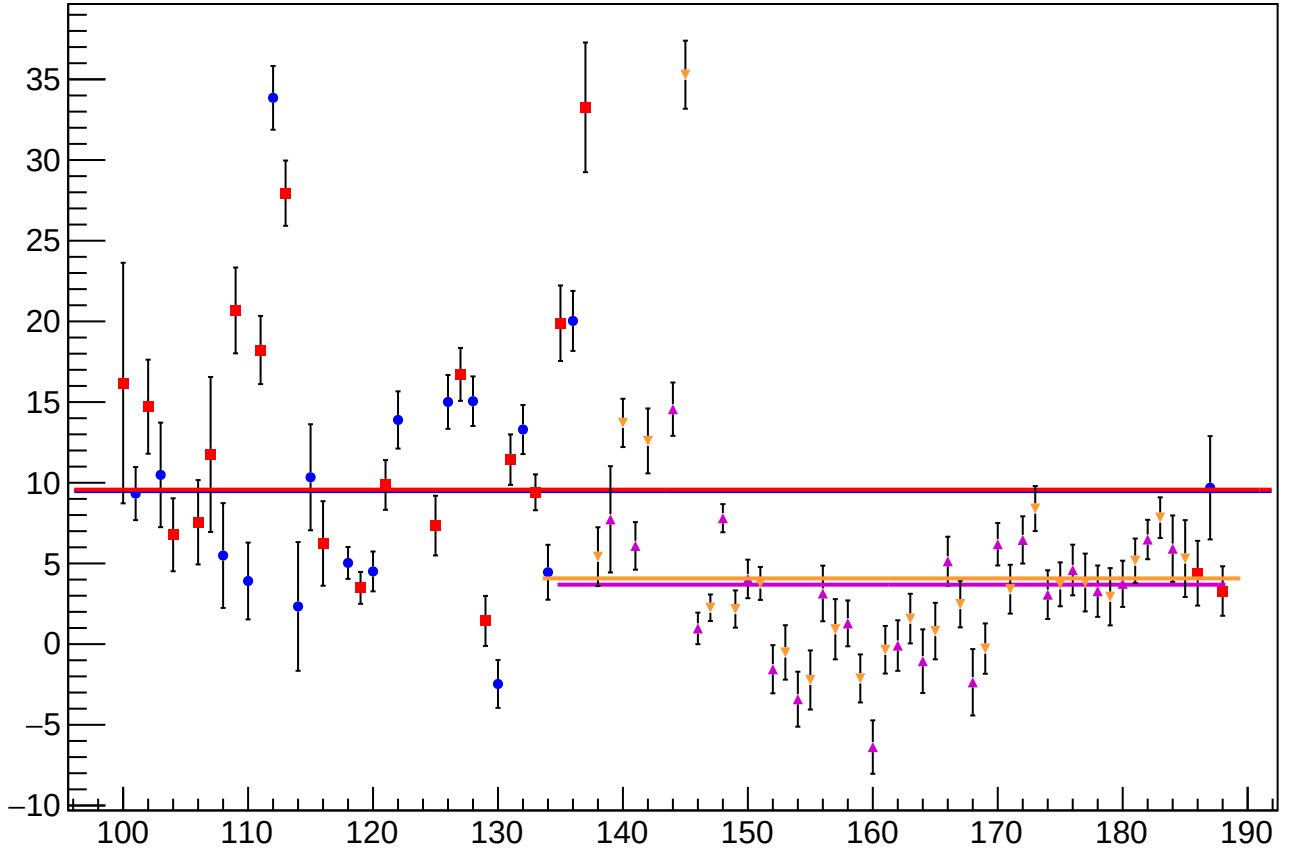
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -72.523+/-0.286 χ^2/NDF: 2374.7/40

All: -72.125+/-0.198 χ^2/NDF: 4895.1/83

- sign -71.759+/-0.274 χ^2/NDF: 2516.7/42

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.483+/-0.424 χ^2/NDF: 342.0/16

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.573+/-0.410 χ^2/NDF: 289.8/19

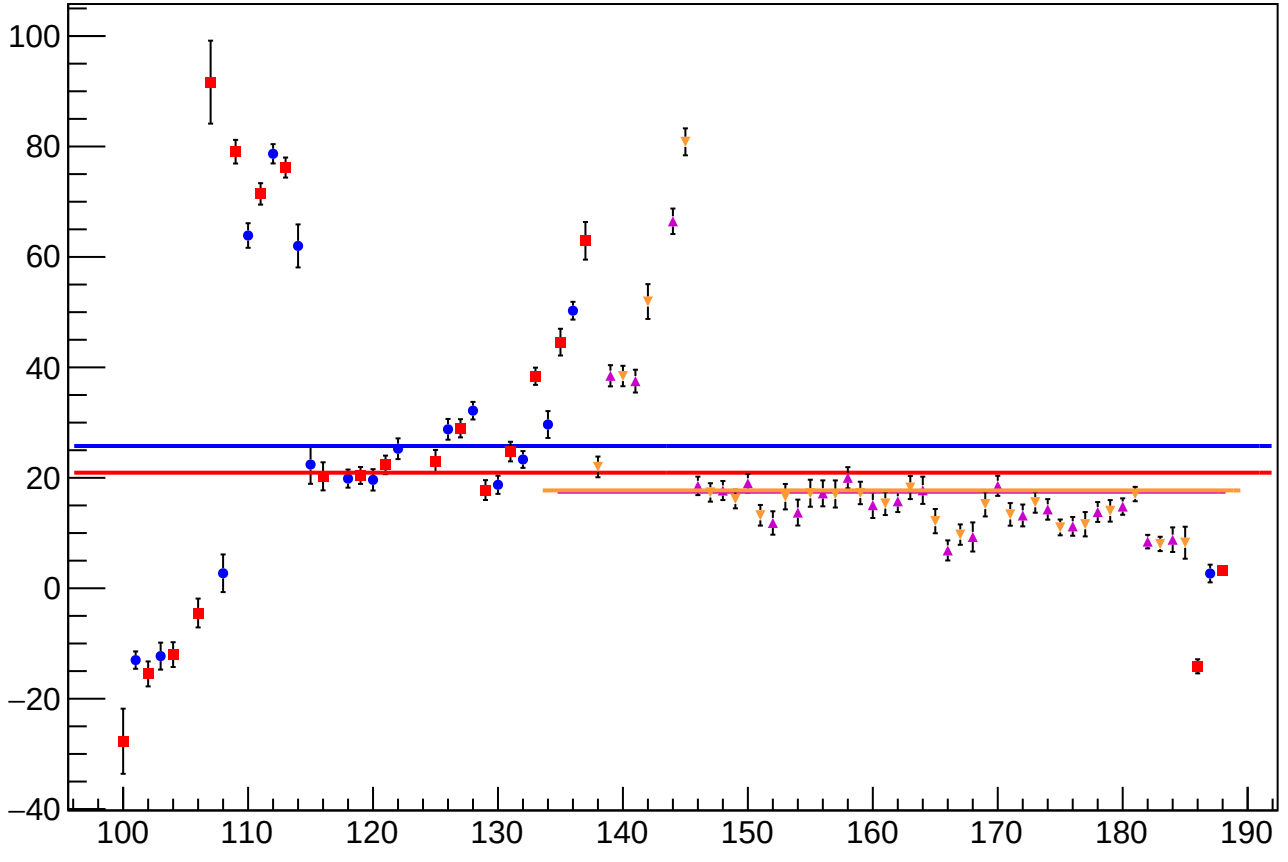
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 5.850+/-0.243 χ^2/NDF: 821.7/40

All: 5.801+/-0.172 χ^2/NDF: 1427.9/83

- sign 5.753+/-0.243 χ^2/NDF: 606.1/42

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 25.765+/-0.462 χ^2/NDF: 2700.7/16

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 20.932+/-0.405 χ^2/NDF: 4622.1/19

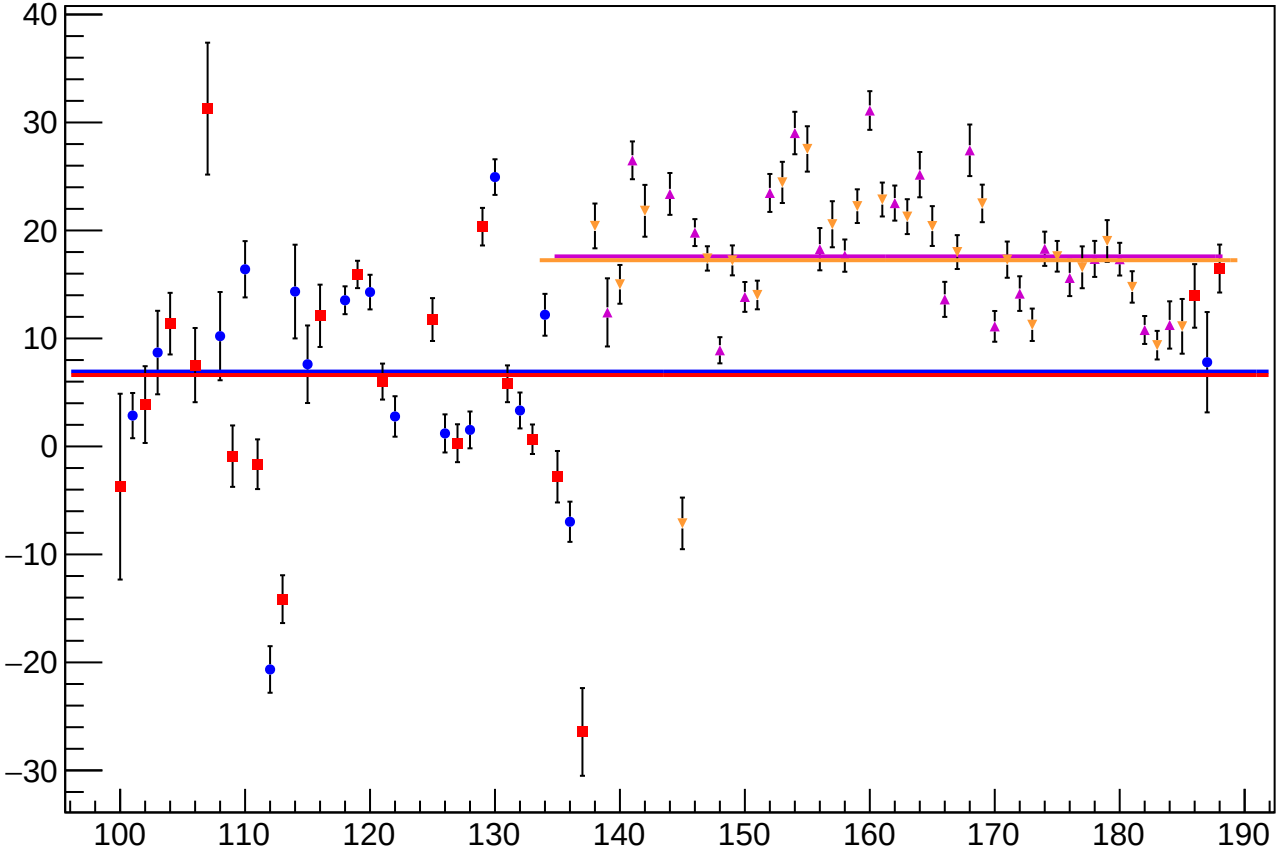
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 21.081+/-0.298 χ^2/NDF: 3935.5/40

All: 20.065+/-0.205 χ^2/NDF: 9437.4/83

- sign 19.159+/-0.282 χ^2/NDF: 5480.0/42

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.931+/-0.493 χ^2/NDF: 444.4/16

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 6.613+/-0.483 χ^2/NDF: 395.6/19

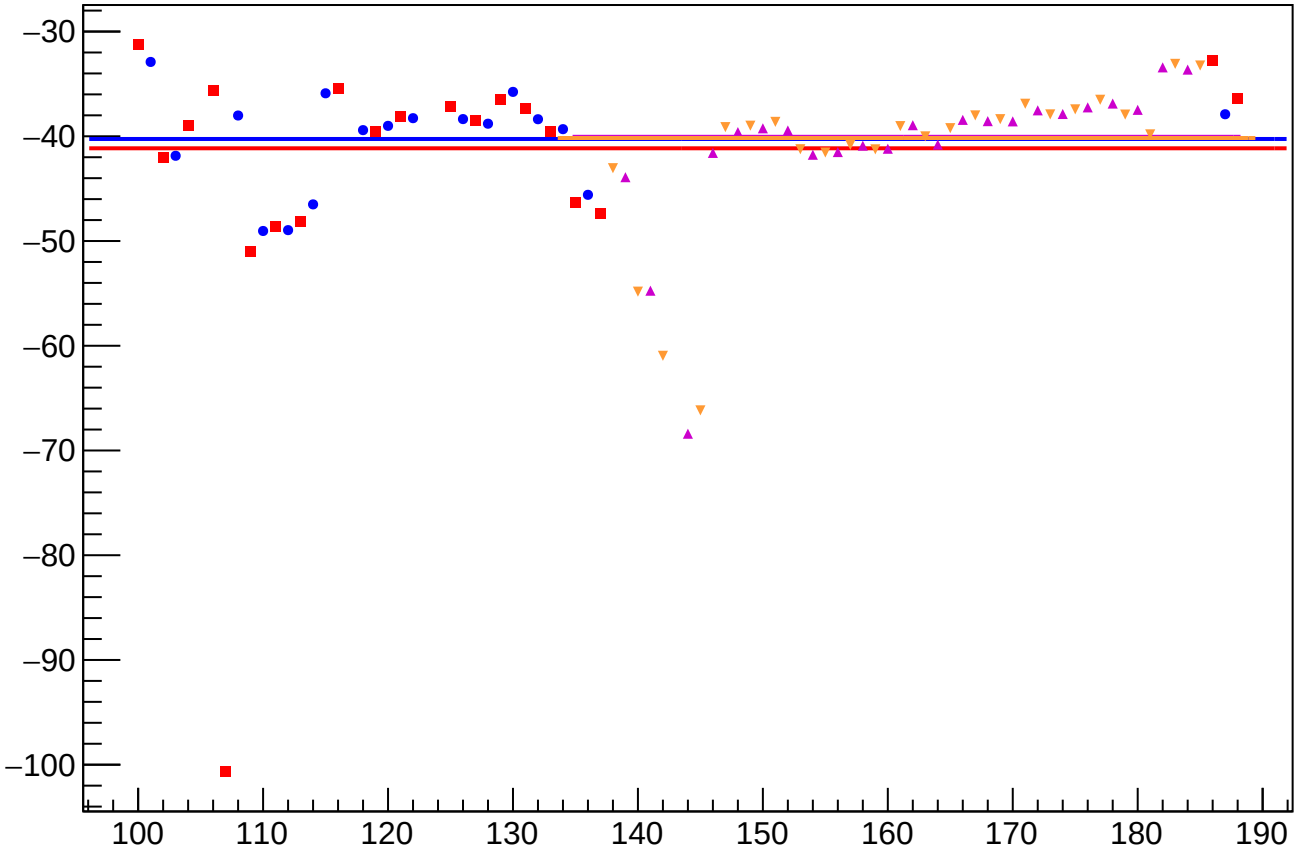
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.944+/-0.279 χ^2/NDF: 1003.0/40

All: 13.933+/-0.197 χ^2/NDF: 2052.8/83

- sign 13.923+/-0.279 χ^2/NDF: 1049.8/42

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.257+/-0.031 χ^2/NDF: 20752.3/16

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -41.147+/-0.030 χ^2/NDF: 63307.9/19

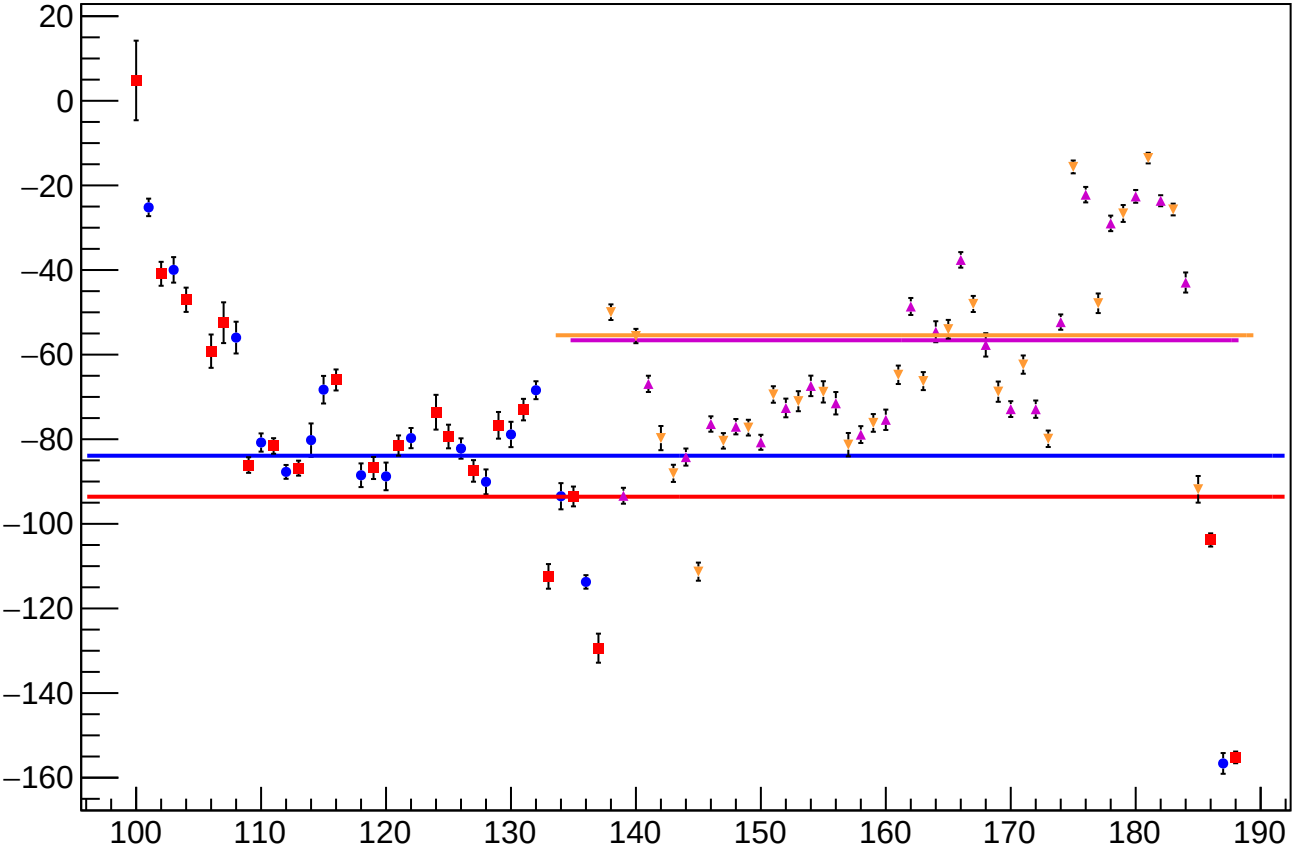
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.183+/-0.014 χ^2/NDF: 184095.2/40

All: -40.230+/-0.010 χ^2/NDF: 384914.1/83

- sign -40.276+/-0.014 χ^2/NDF: 200795.9/42

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -83.896+/-0.593 χ^2/NDF: 2409.7/16

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -93.586+/-0.522 χ^2/NDF: 3428.0/20

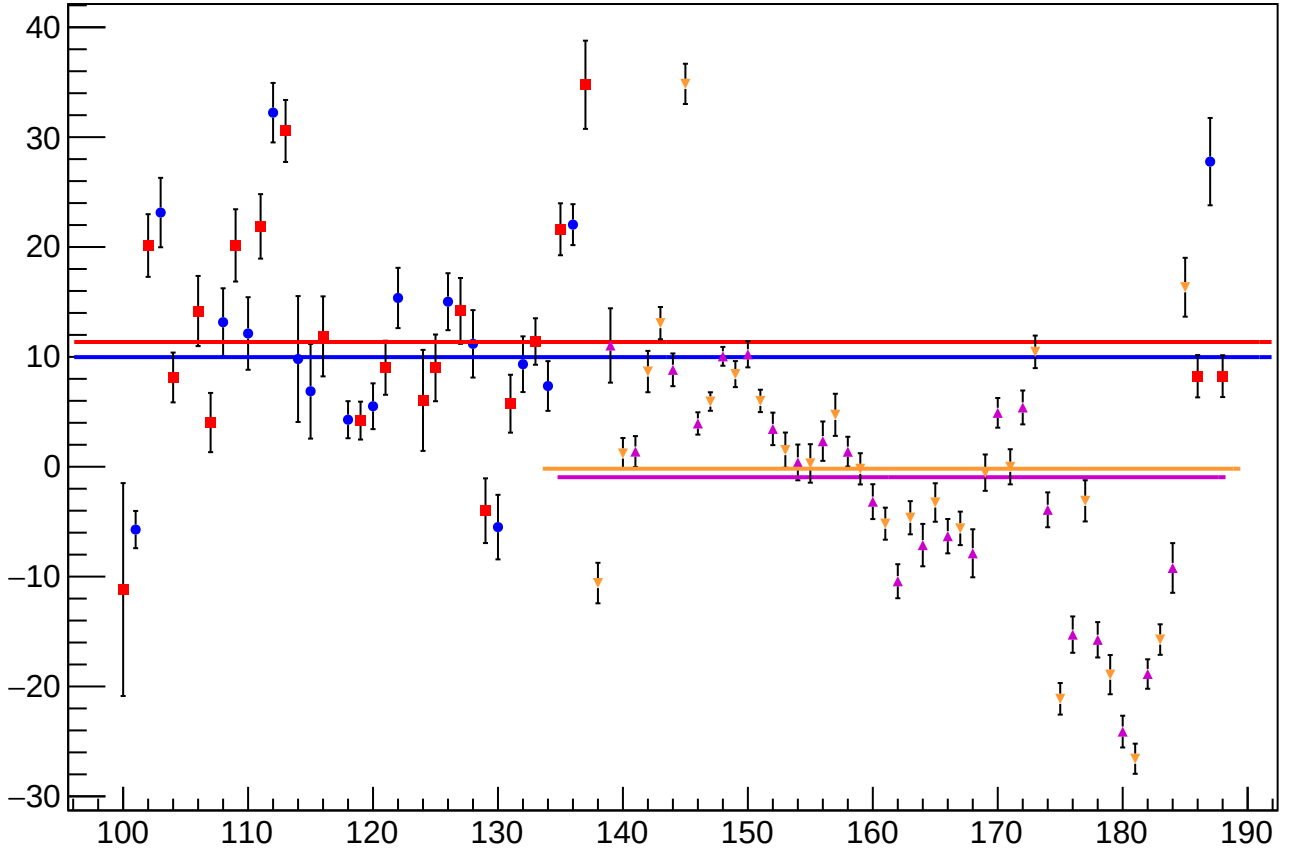
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.123+/-0.328 χ^2/NDF: 8536.1/41

All: -67.374+/-0.229 χ^2/NDF: 18648.1/85

- sign -70.460+/-0.319 χ^2/NDF: 9920.2/43

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.977+/-0.614 χ^2/NDF: 287.6/16

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 11.355+/-0.576 χ^2/NDF: 202.3/20

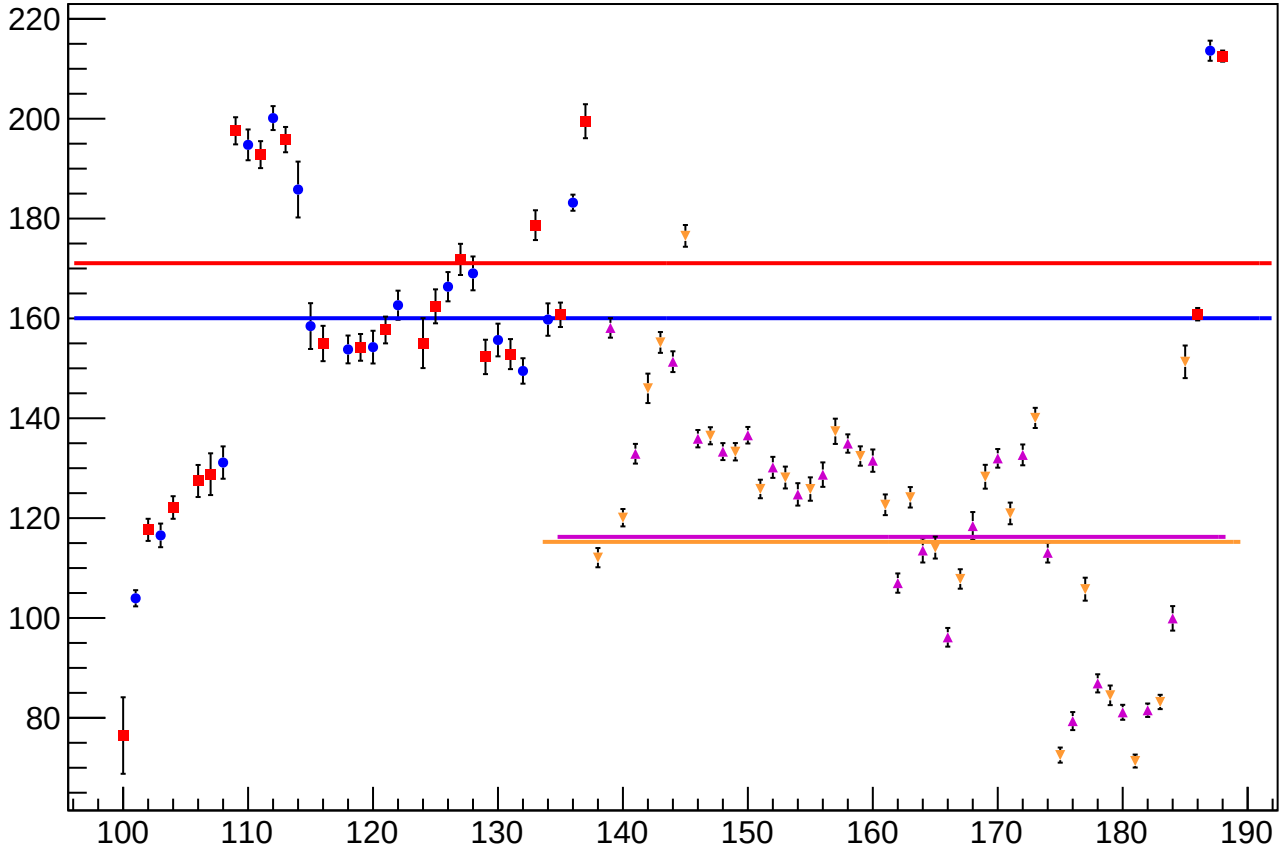
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 1.718+/-0.265 χ^2/NDF: 2108.8/41

All: 1.723+/-0.189 χ^2/NDF: 3737.5/85

- sign 1.728+/-0.269 χ^2/NDF: 1628.6/43

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 160.041+/-0.629 χ^2/NDF: 2997.4/16

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 171.061+/-0.527 χ^2/NDF: 3469.8/20

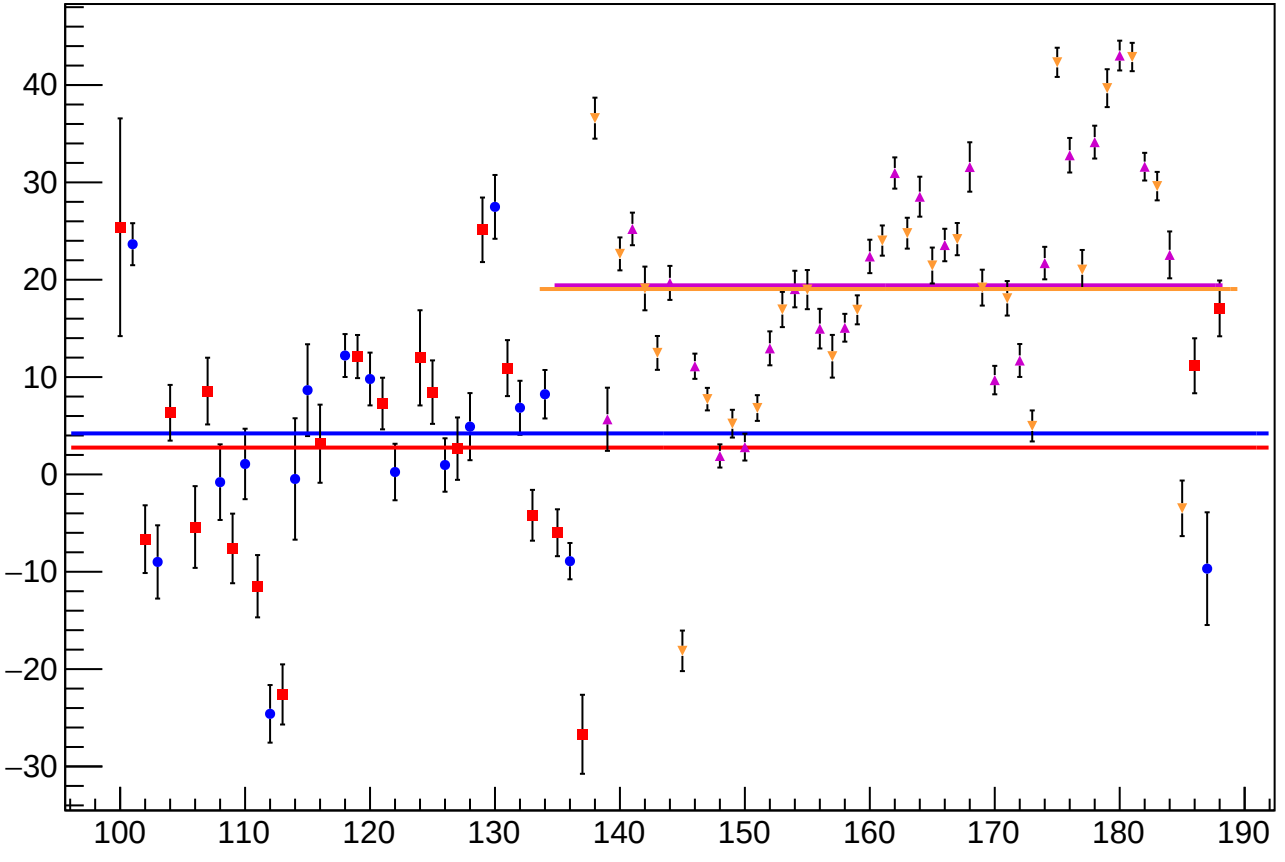
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 127.708+/-0.332 χ^2/NDF: 11498.8/41

All: 132.144+/-0.230 χ^2/NDF: 25823.8/85

- sign 136.228+/-0.318 χ^2/NDF: 13981.4/43

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.213+/-0.709 χ^2/NDF: 321.9/16

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.757+/-0.688 χ^2/NDF: 302.8/20

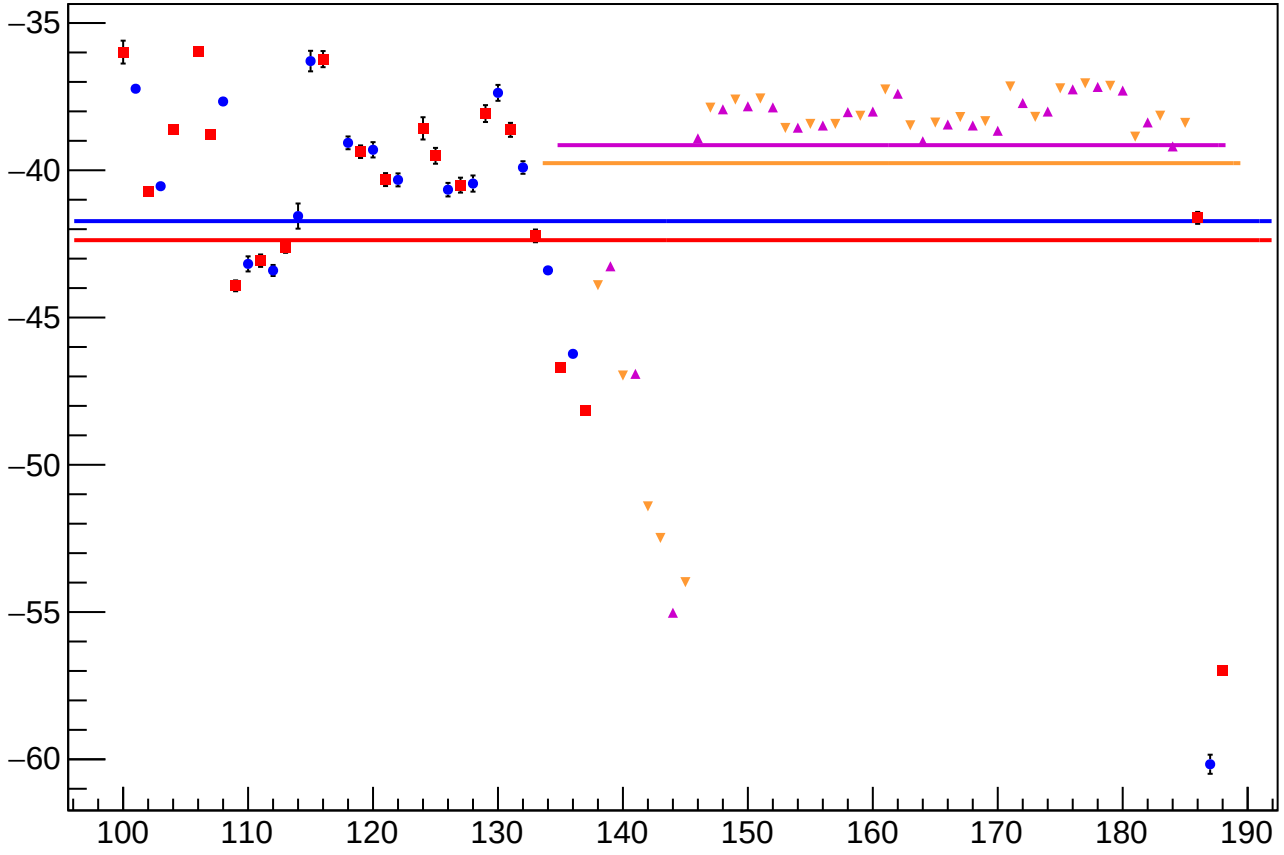
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.321+/-0.304 χ^2/NDF: 2225.4/41

All: 16.194+/-0.217 χ^2/NDF: 4074.9/85

- sign 16.061+/-0.309 χ^2/NDF: 1849.2/43

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.727+/-0.038 χ^2/NDF: 11192.2/16

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -42.373+/-0.038 χ^2/NDF: 17871.5/20

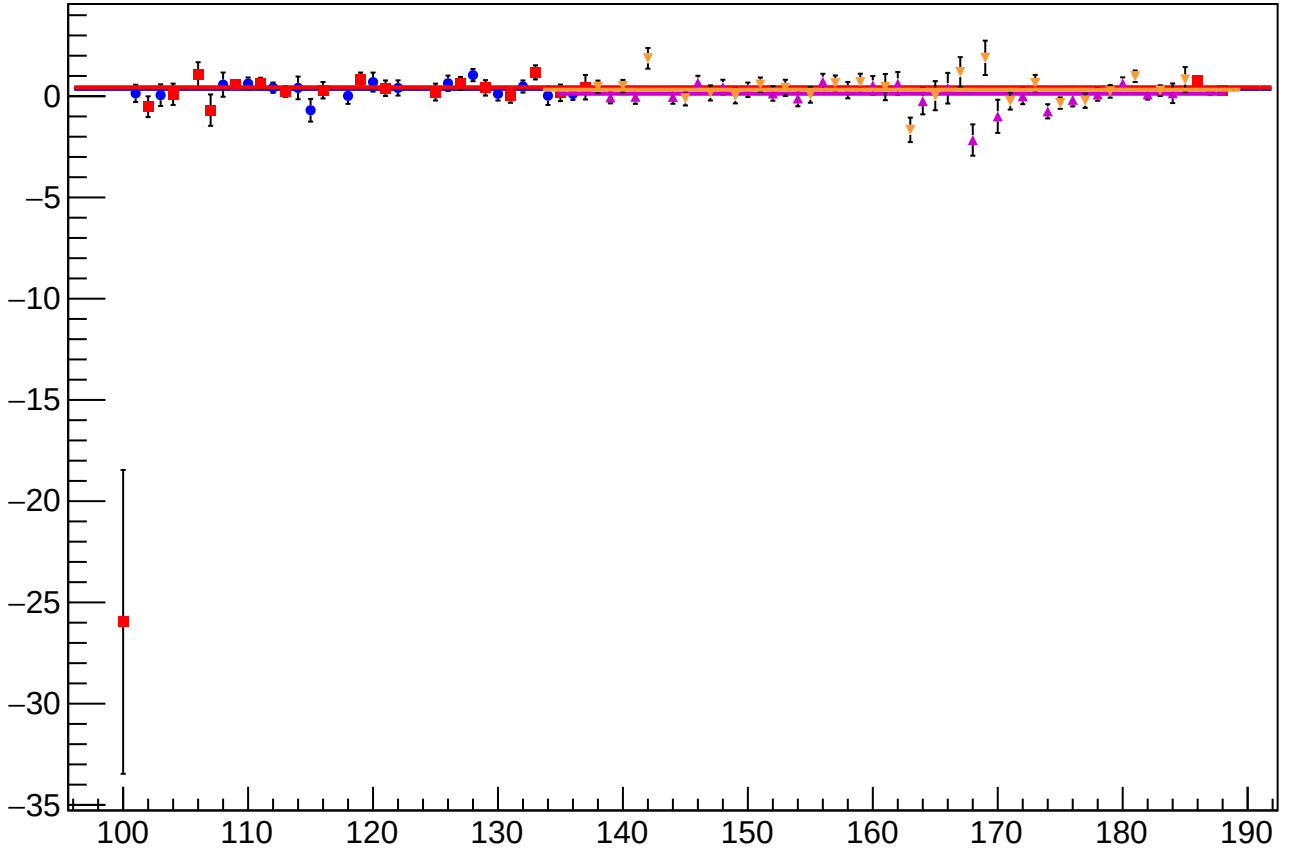
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.039+/-0.014 χ^2/NDF: 95376.4/41

All: -39.832+/-0.010 χ^2/NDF: 166857.7/85

- sign -39.622+/-0.014 χ^2/NDF: 71058.8/43

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.363+/-0.085 χ^2/NDF: 14.3/16

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.443+/-0.068 χ^2/NDF: 34.5/19

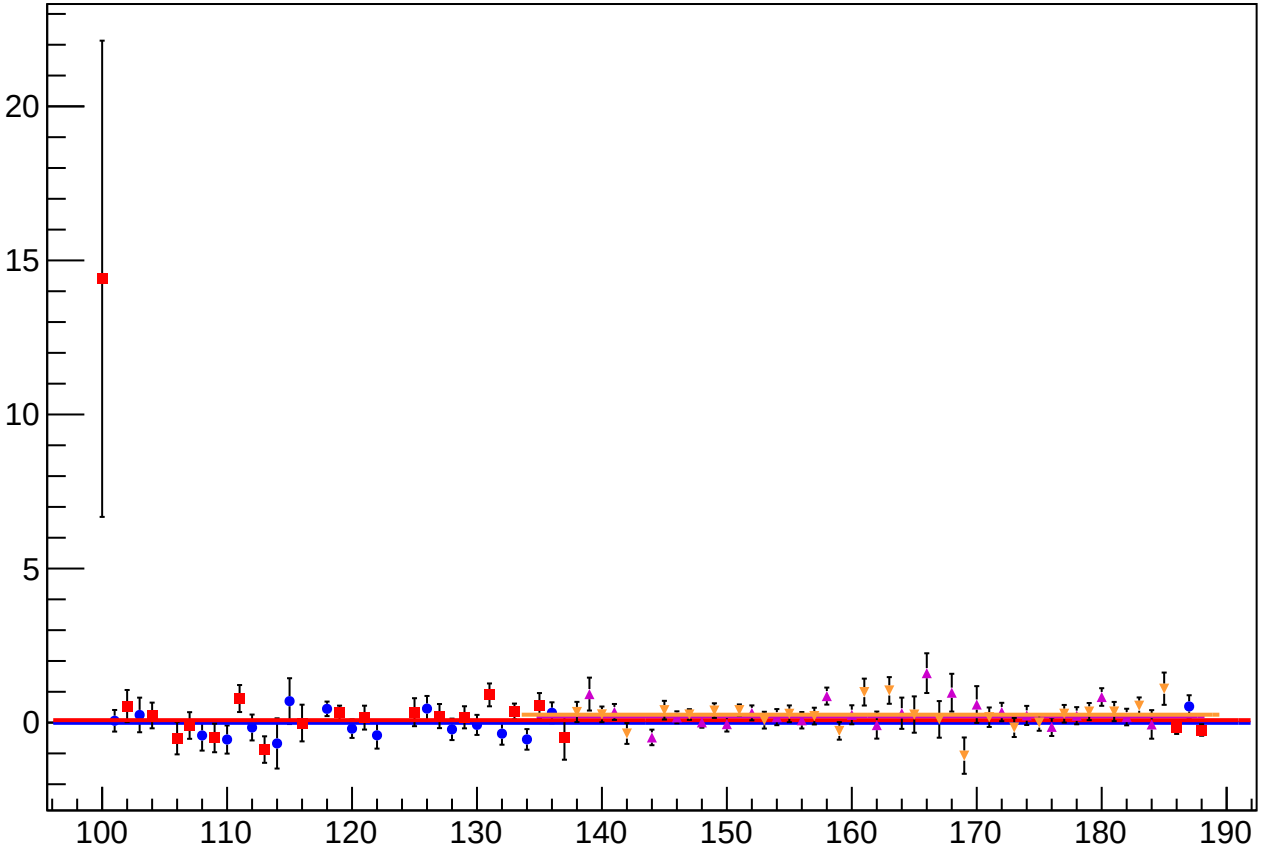
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.340+/-0.058 χ^2/NDF: 61.3/40

All: 0.322+/-0.038 χ^2/NDF: 135.6/83

- sign 0.307+/-0.052 χ^2/NDF: 74.0/42

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.007+/-0.091 χ^2/NDF: 17.3/16

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.079+/-0.078 χ^2/NDF: 28.7/19

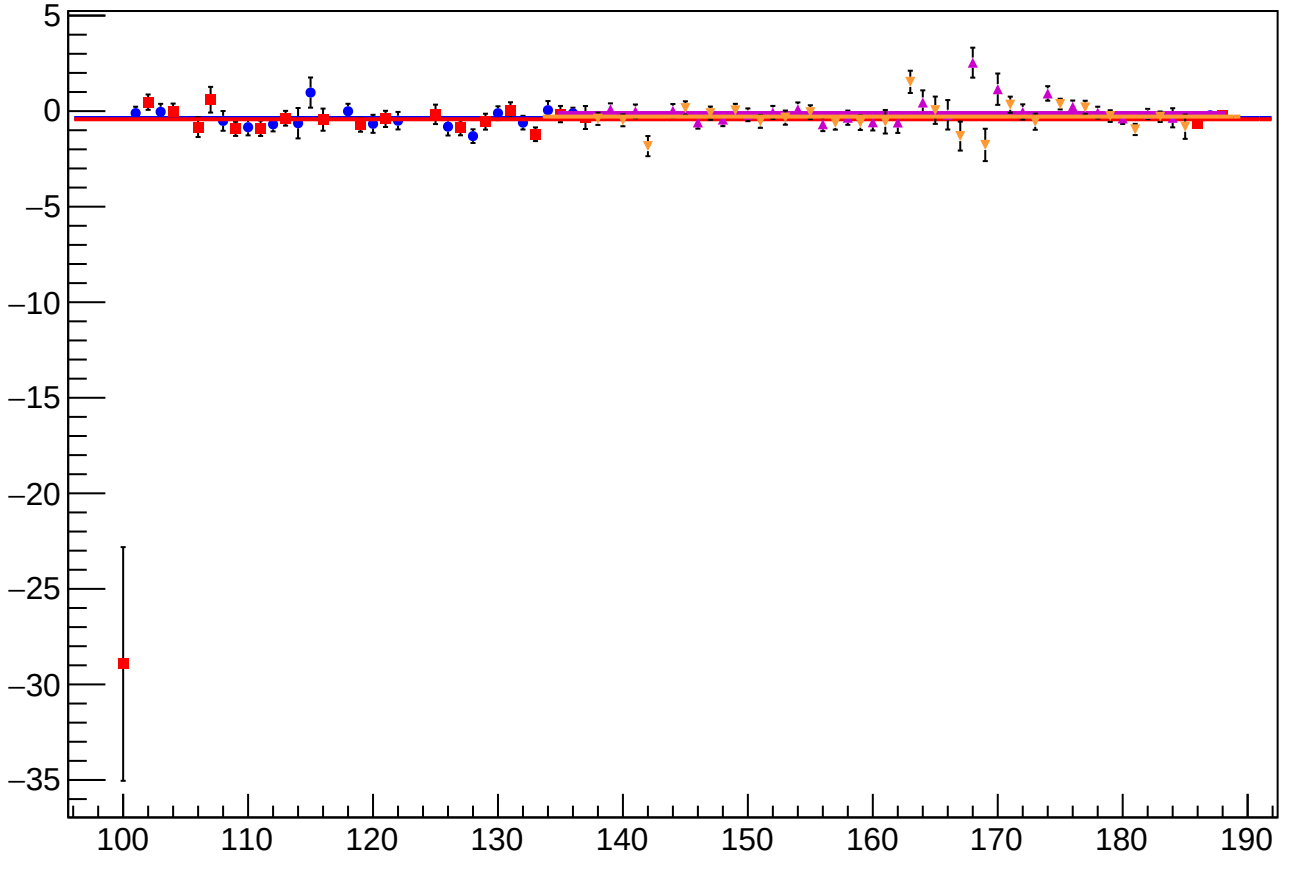
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.178+/-0.050 χ^2/NDF: 49.7/40

All: 0.168+/-0.034 χ^2/NDF: 112.0/83

- sign 0.159+/-0.048 χ^2/NDF: 62.2/42

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.360+/-0.090 χ^2/NDF: 18.6/16

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.426+/-0.065 χ^2/NDF: 47.9/19

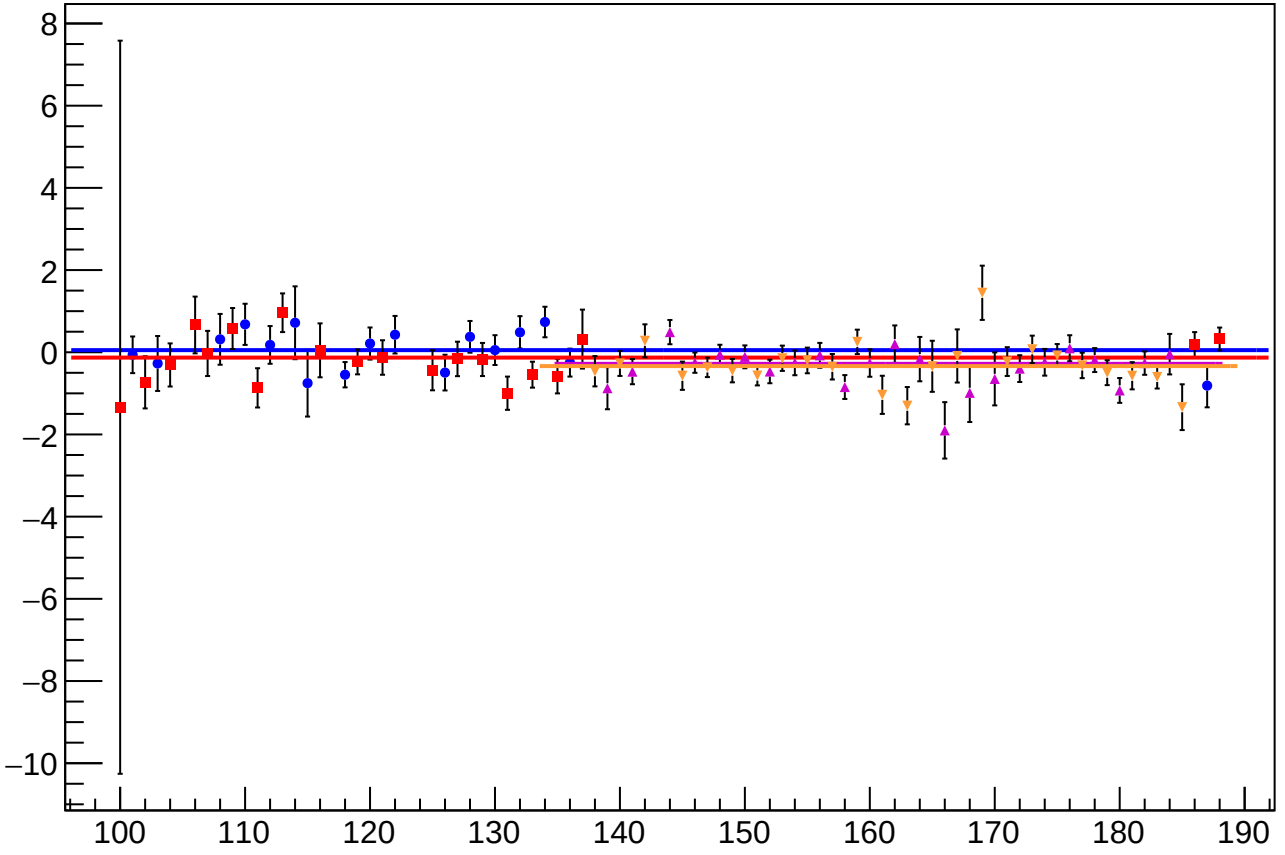
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.318+/-0.059 χ^2/NDF: 64.0/40

All: -0.304+/-0.038 χ^2/NDF: 155.6/83

- sign -0.294+/-0.050 χ^2/NDF: 91.5/42

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.052+/-0.106 χ^2/NDF: 18.7/16

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.130+/-0.097 χ^2/NDF: 24.4/19

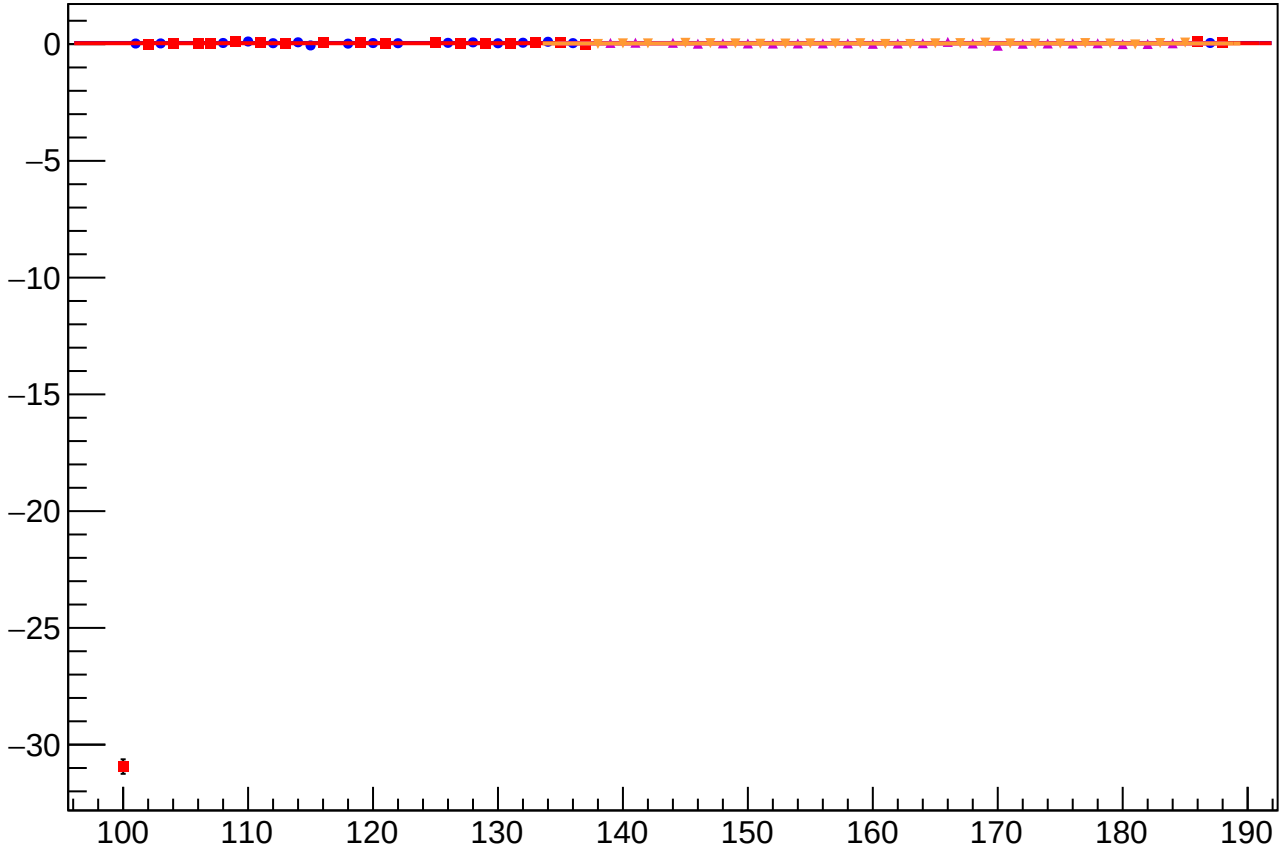
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.224+/-0.057 χ^2/NDF: 58.3/40

All: -0.227+/-0.040 χ^2/NDF: 113.3/83

- sign -0.231+/-0.056 χ^2/NDF: 55.0/42

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/16

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.038+/-0.006 χ^2/NDF: 10037.5/19

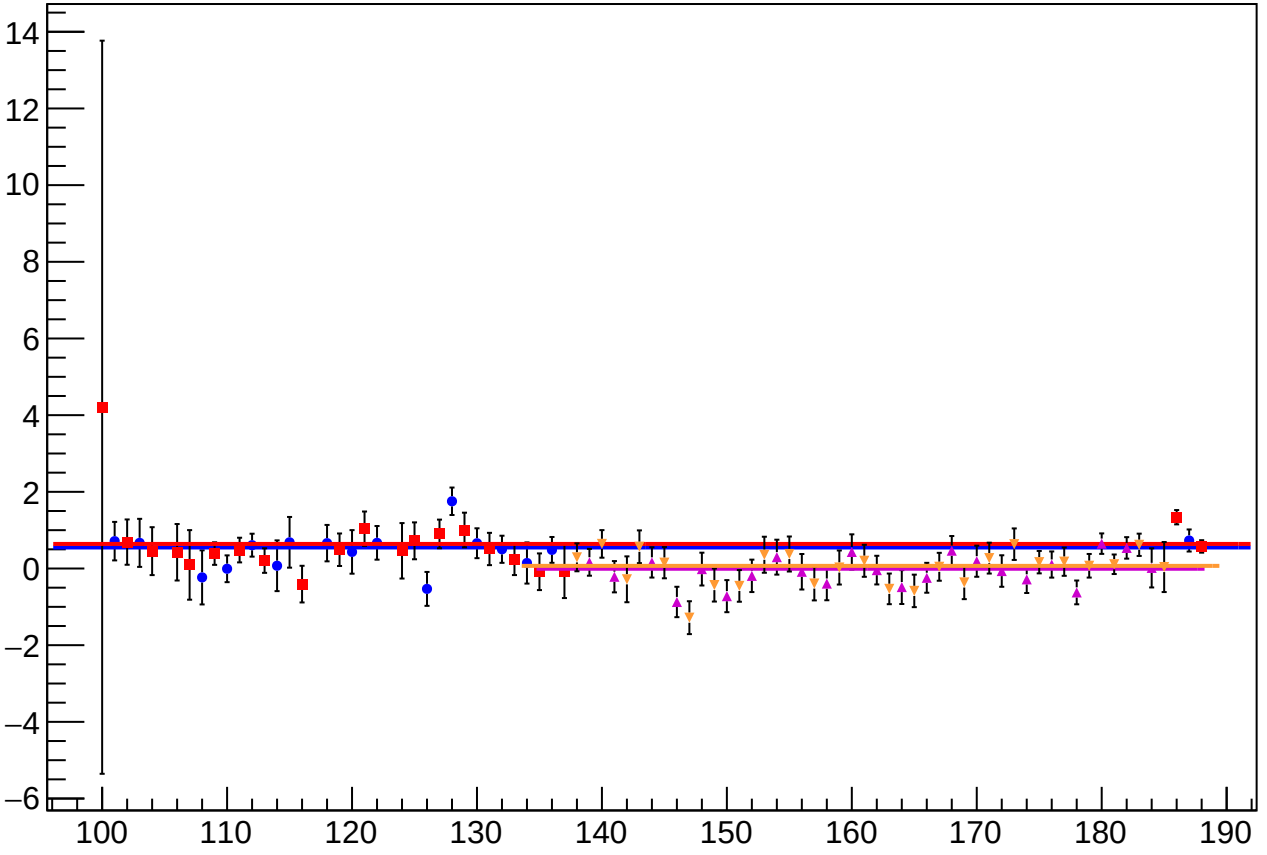
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.032+/-0.003 χ^2/NDF: 55.8/40

All: 0.032+/-0.002 χ^2/NDF: 10134.0/83

- sign 0.031+/-0.003 χ^2/NDF: 10078.1/42

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.548+/-0.102 χ^2/NDF: 23.1/16

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.641+/-0.080 χ^2/NDF: 28.8/20

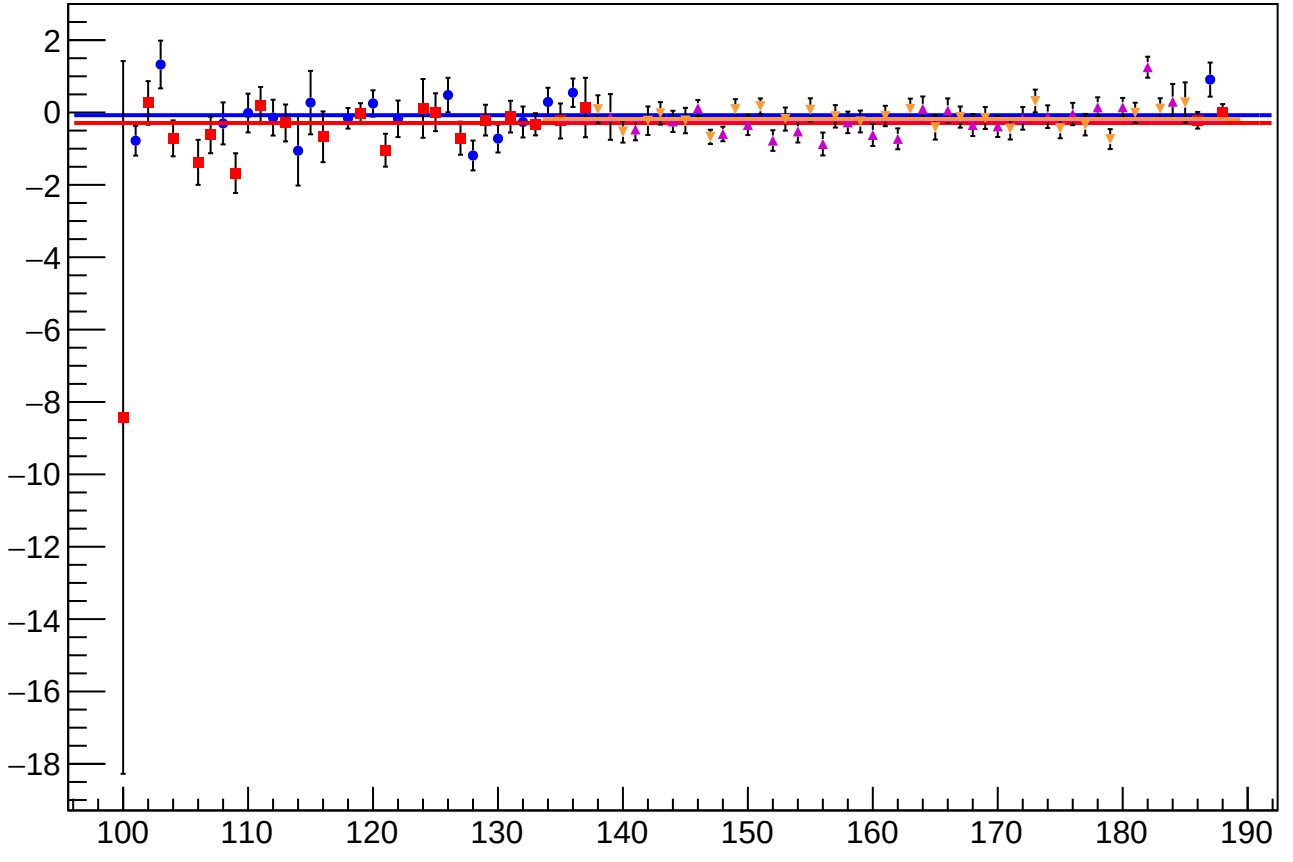
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.245+/-0.061 χ^2/NDF: 68.4/41

All: 0.283+/-0.042 χ^2/NDF: 159.5/85

- sign 0.316+/-0.056 χ^2/NDF: 90.4/43

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.075+/-0.109 χ^2/NDF: 29.2/16

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.290+/-0.092 χ^2/NDF: 20.5/20

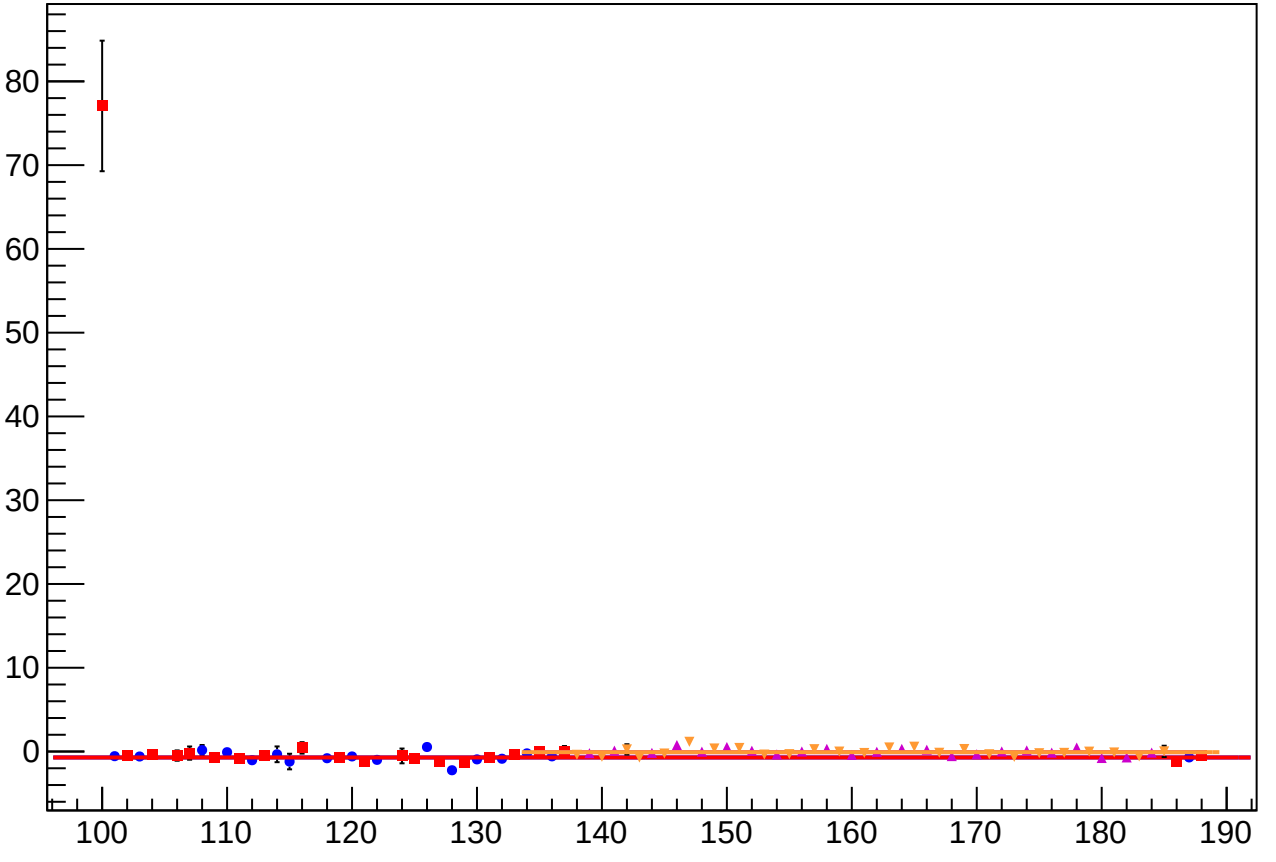
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.156+/-0.052 χ^2/NDF: 54.6/41

All: -0.198+/-0.036 χ^2/NDF: 130.4/85

- sign -0.238+/-0.051 χ^2/NDF: 74.5/43

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.711+/-0.108 χ^2/NDF: 24.9/16

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.712+/-0.077 χ^2/NDF: 122.5/20

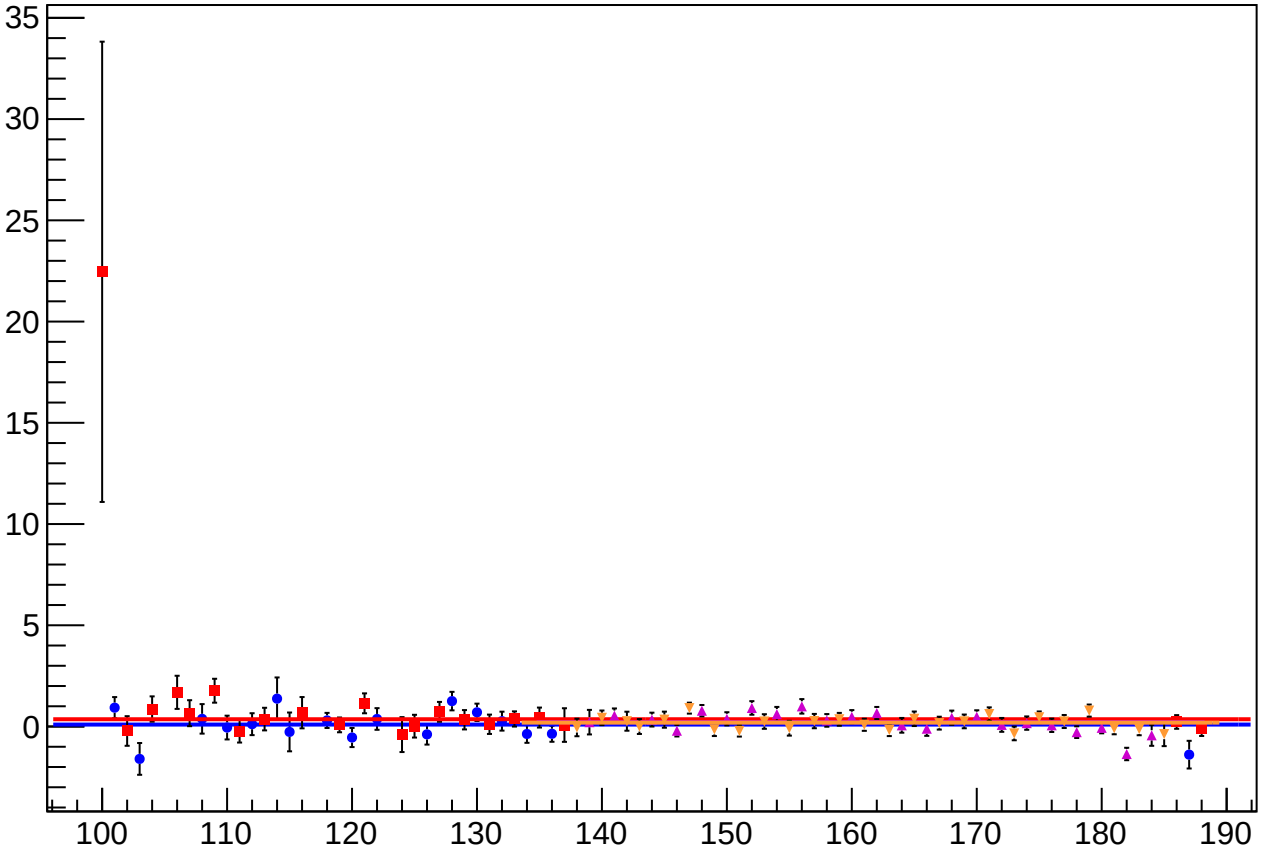
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.289+/-0.063 χ^2/NDF: 77.7/41

All: -0.353+/-0.041 χ^2/NDF: 264.0/85

- sign -0.402+/-0.055 χ^2/NDF: 184.5/43

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.096+/-0.126 χ^2/NDF: 28.2/16

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.359+/-0.113 χ^2/NDF: 22.3/20

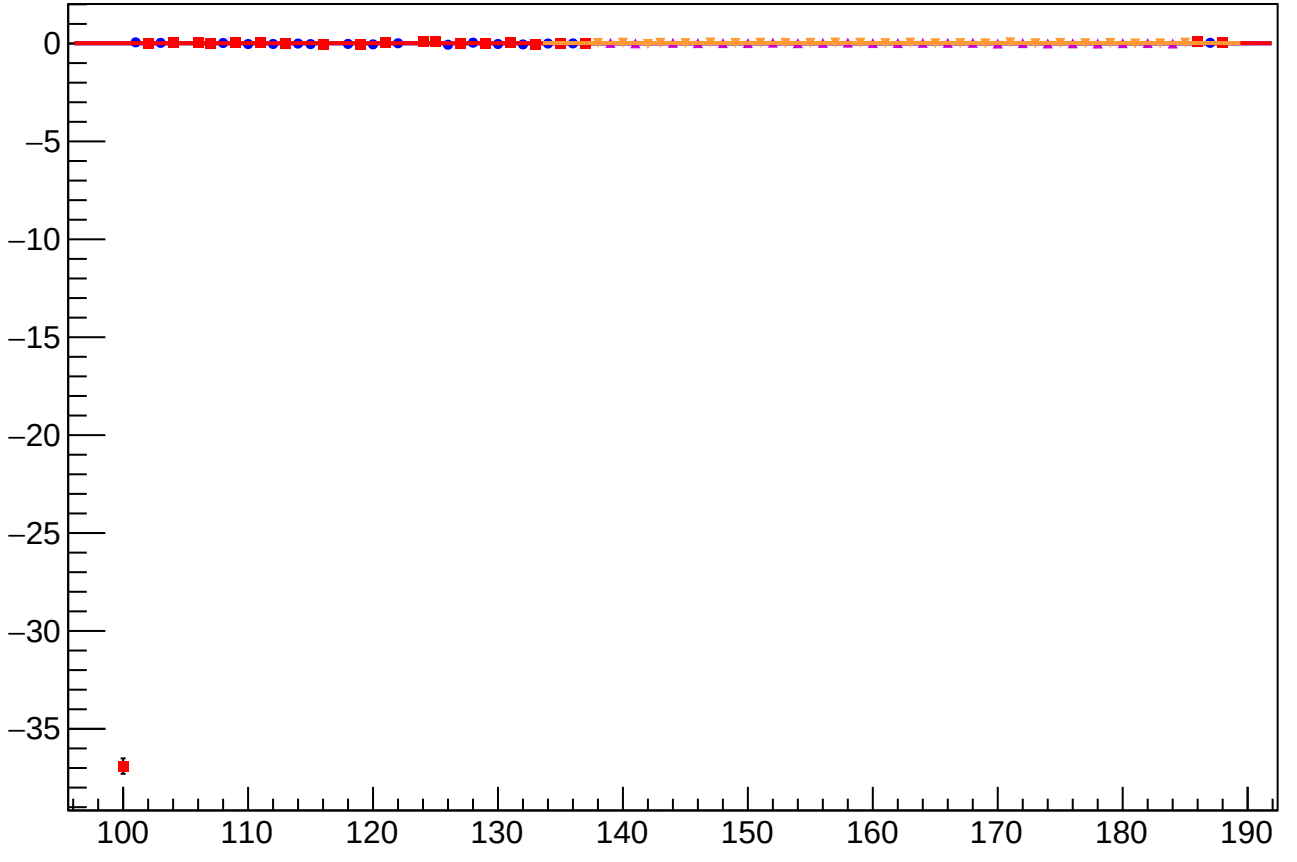
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.172+/-0.059 χ^2/NDF: 54.5/41

All: 0.213+/-0.042 χ^2/NDF: 134.0/85

- sign 0.254+/-0.059 χ^2/NDF: 78.5/43

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.007+/-0.007 χ^2/NDF: 18.1/16

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.016+/-0.007 χ^2/NDF: 8773.7/20

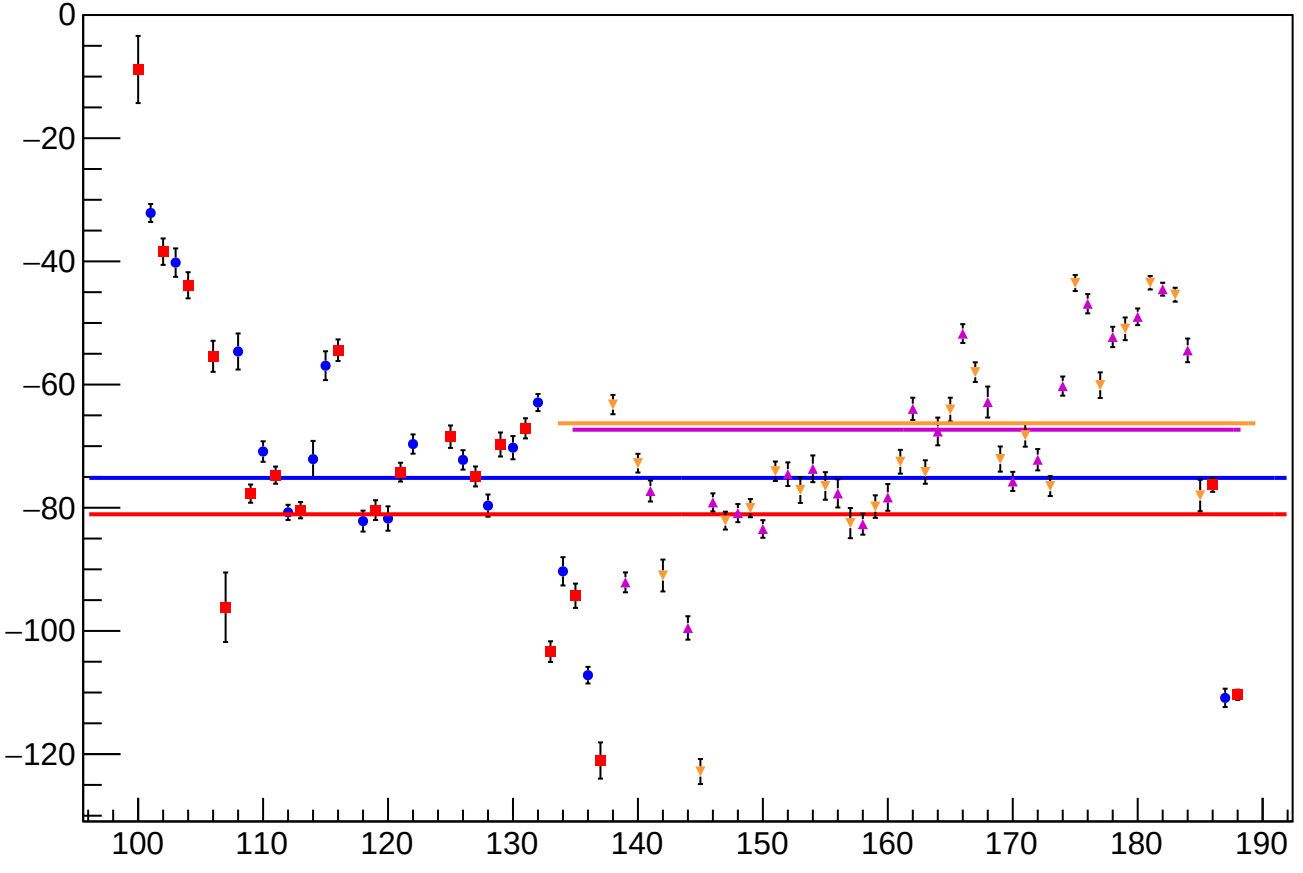
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.022+/-0.003 χ^2/NDF: 52.9/41

All: 0.022+/-0.002 χ^2/NDF: 8845.9/85

- sign 0.023+/-0.003 χ^2/NDF: 8792.9/43

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -75.154+/-0.415 χ^2/NDF: 2554.3/16

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -81.060+/-0.362 χ^2/NDF: 3111.1/19

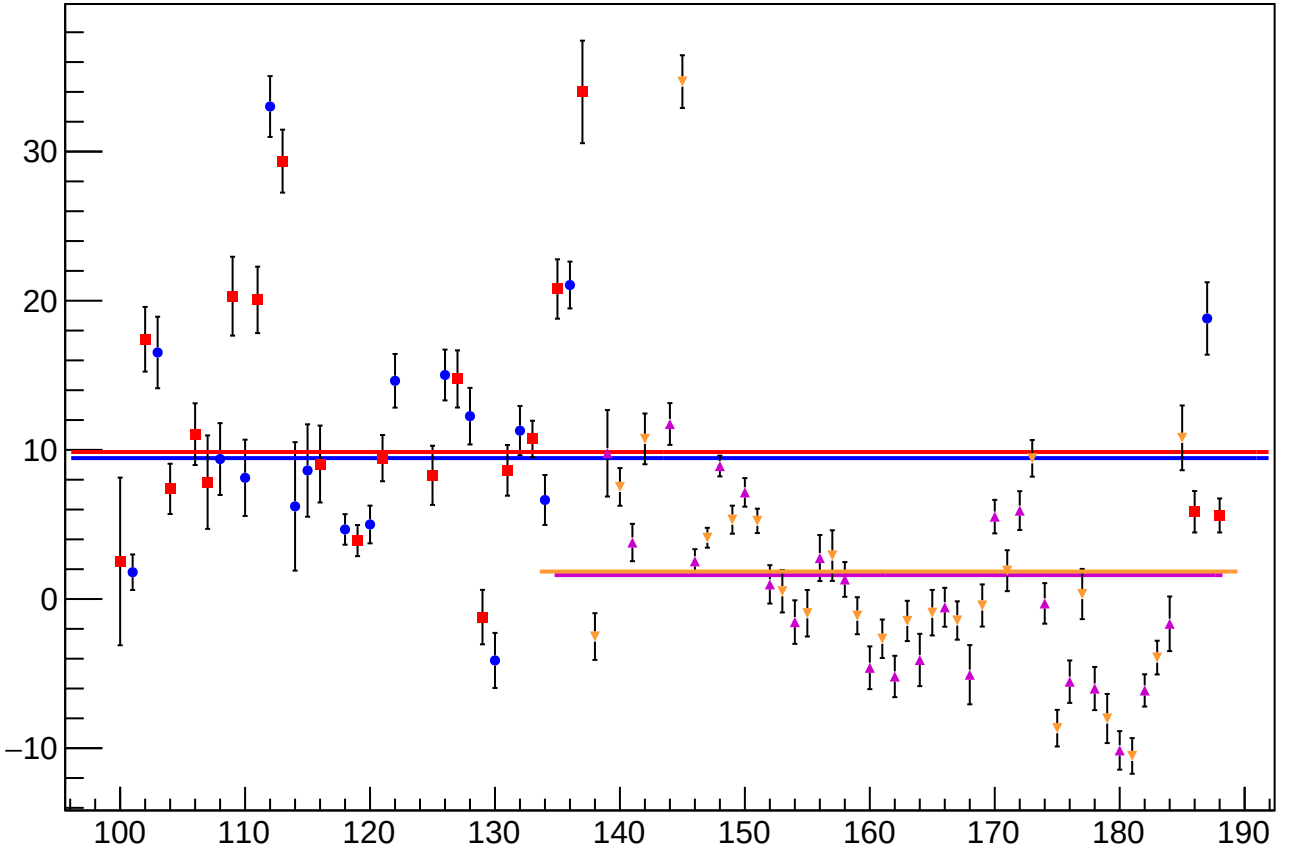
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.897+/-0.265 χ^2/NDF: 5375.3/40

All: -72.003+/-0.182 χ^2/NDF: 11462.9/83

- sign -73.876+/-0.250 χ^2/NDF: 5968.0/42

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.447+/-0.419 χ^2/NDF: 367.4/16

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 9.856+/-0.394 χ^2/NDF: 318.0/19

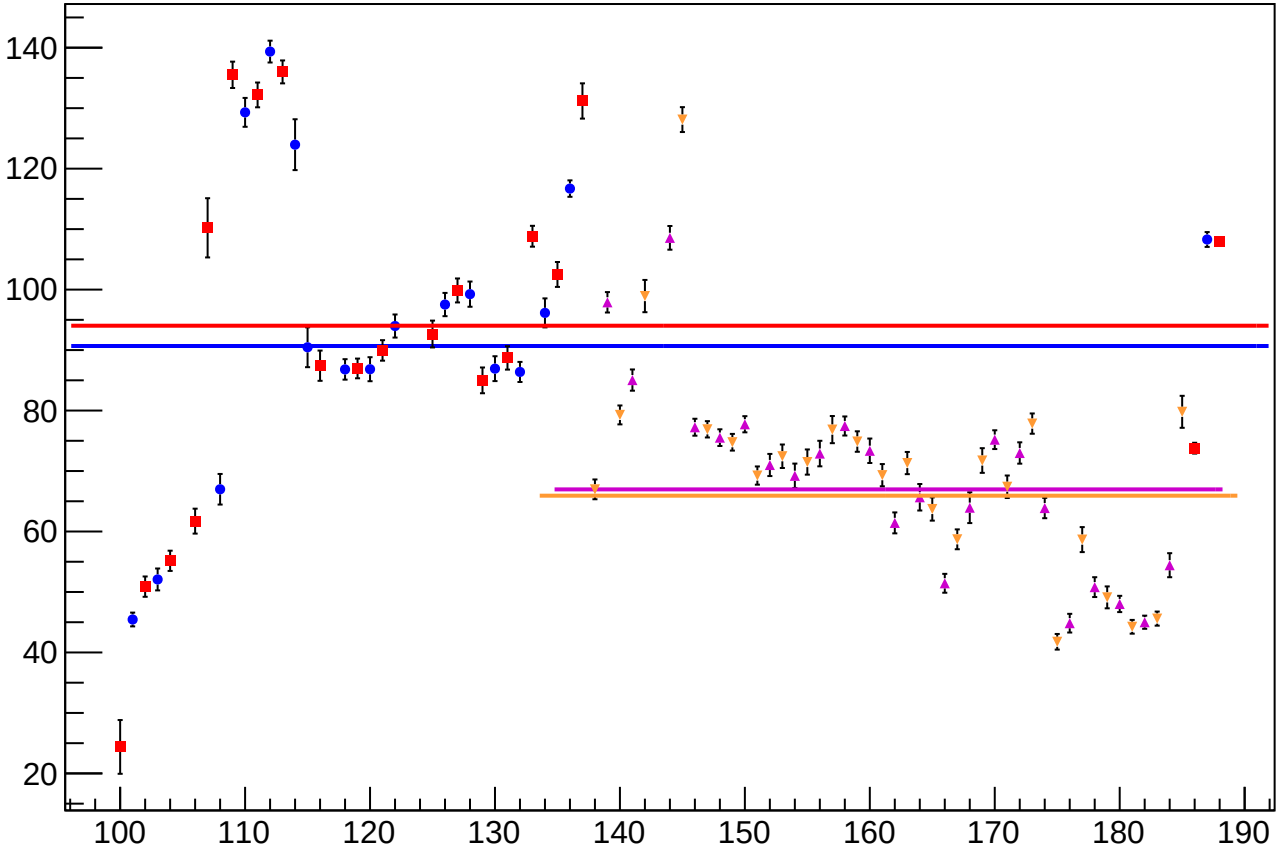
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

\+ sign 3.893+/-0.217 χ^2/NDF: 1389.8/40

All: 3.992+/-0.153 χ^2/NDF: 2511.7/83

\- sign 4.089+/-0.216 χ^2/NDF: 1121.5/42

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 90.673+/-0.438 χ^2/NDF: 3797.3/16

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 94.028+/-0.358 χ^2/NDF: 4169.1/19

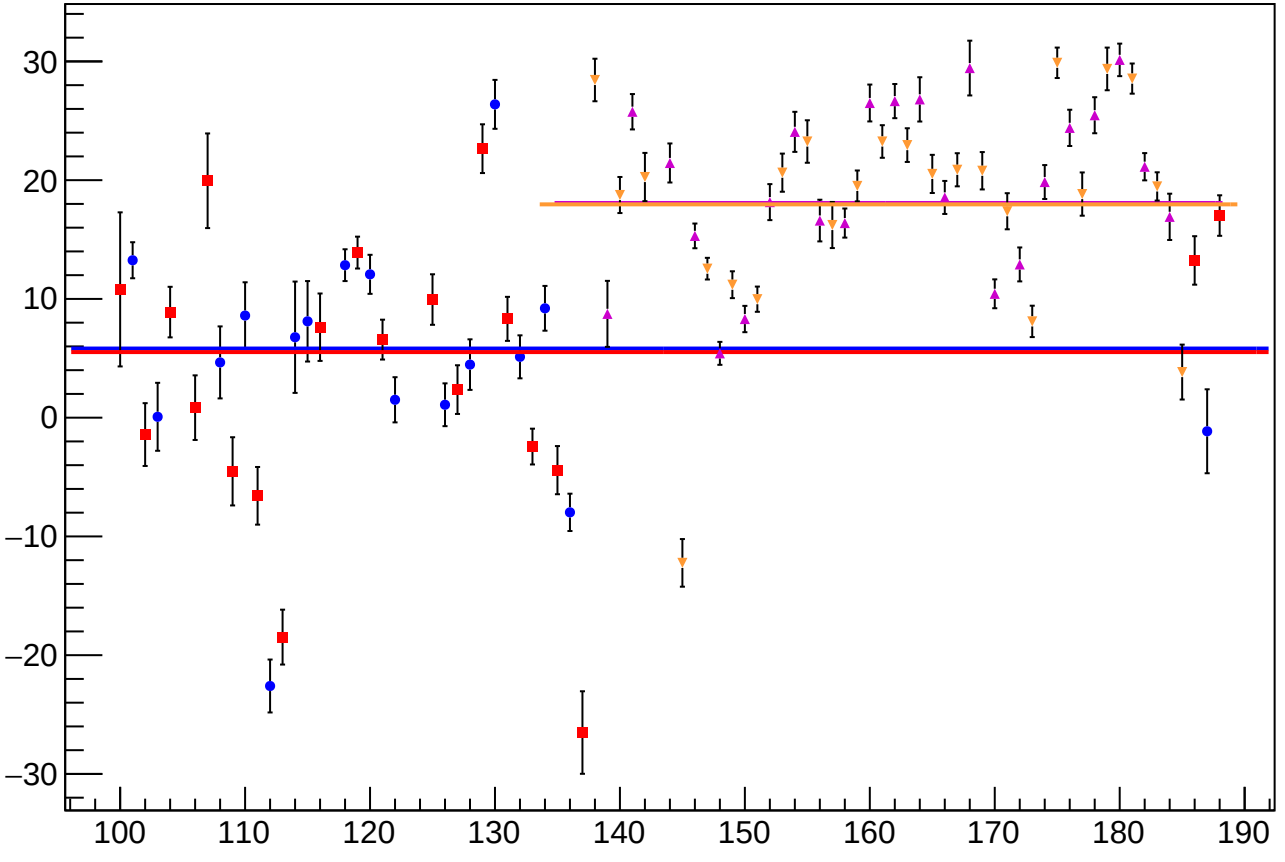
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 75.252+/-0.269 χ^2/NDF: 8344.3/40

All: 77.737+/-0.182 χ^2/NDF: 17885.0/83

- sign 79.838+/-0.247 χ^2/NDF: 9383.0/42

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.822+/-0.490 χ^2/NDF: 430.7/16

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.523+/-0.475 χ^2/NDF: 486.1/19

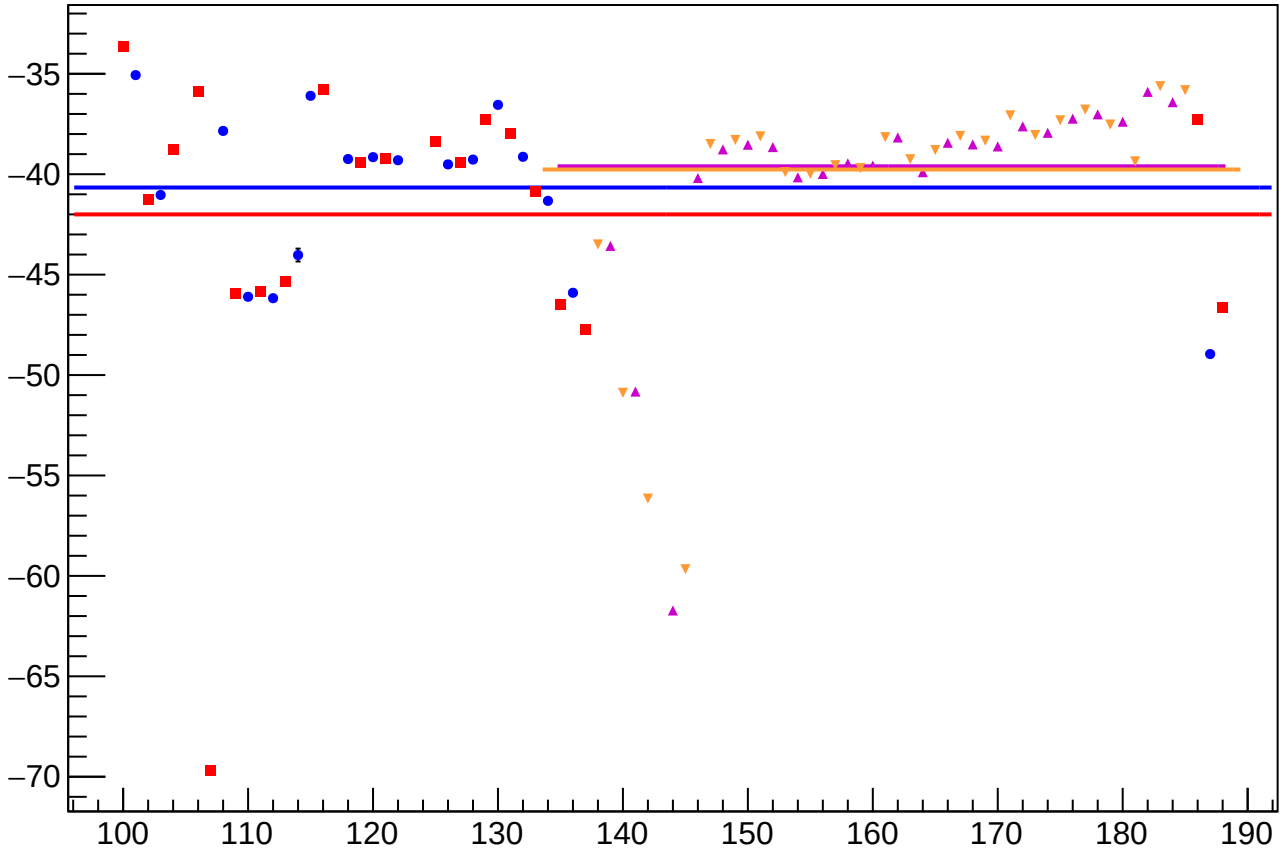
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

\+ sign 14.781+/-0.251 χ^2/NDF: 1616.1/40

All: 14.683+/-0.177 χ^2/NDF: 3212.1/83

\- sign 14.586+/-0.250 χ^2/NDF: 1595.7/42

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.662+/-0.028 χ^2/NDF: 19933.7/16

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -42.001+/-0.027 χ^2/NDF: 40720.5/19

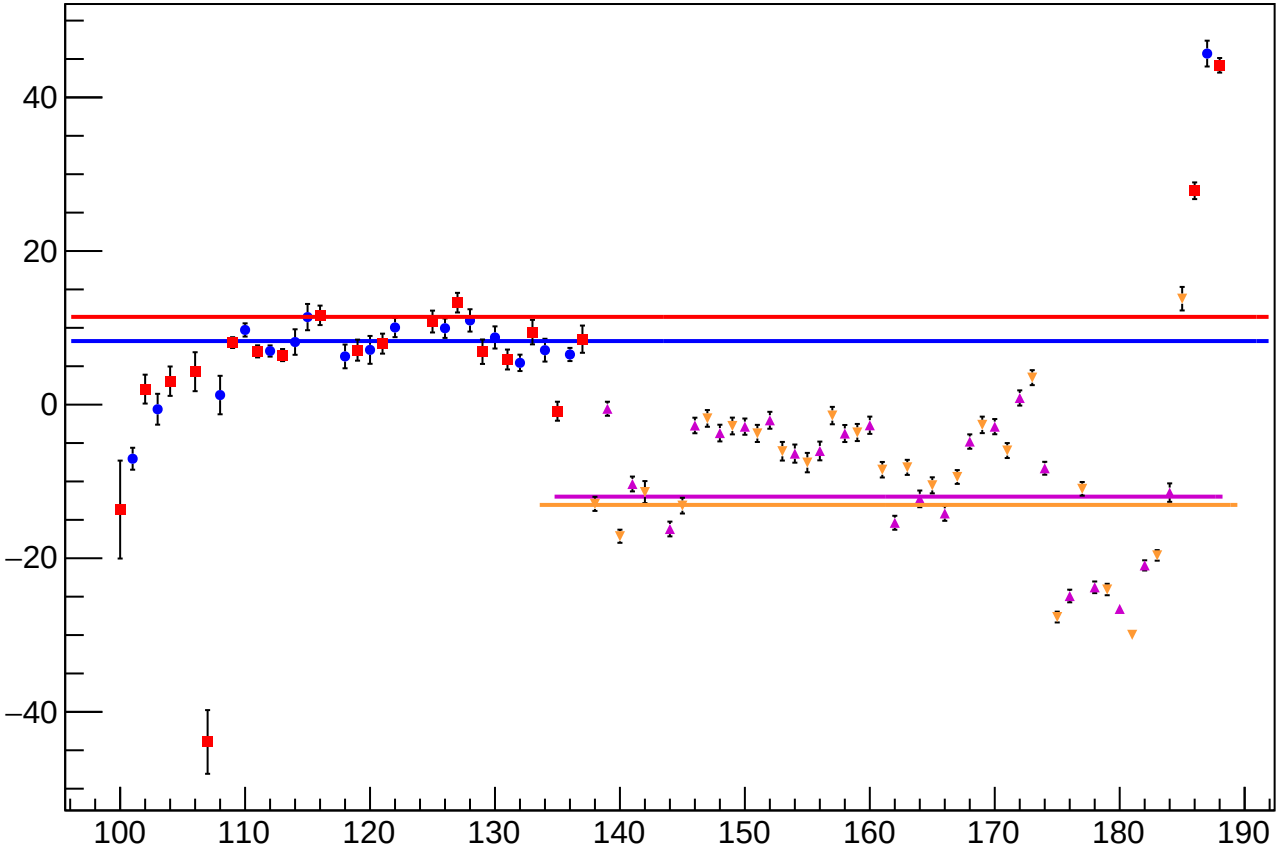
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.933+/-0.012 χ^2/NDF: 150661.2/40

All: -40.003+/-0.009 χ^2/NDF: 304297.1/83

- sign -40.070+/-0.012 χ^2/NDF: 153571.8/42

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.277+/-0.304 χ^2/NDF: 668.5/16

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 11.426+/-0.275 χ^2/NDF: 1904.9/19

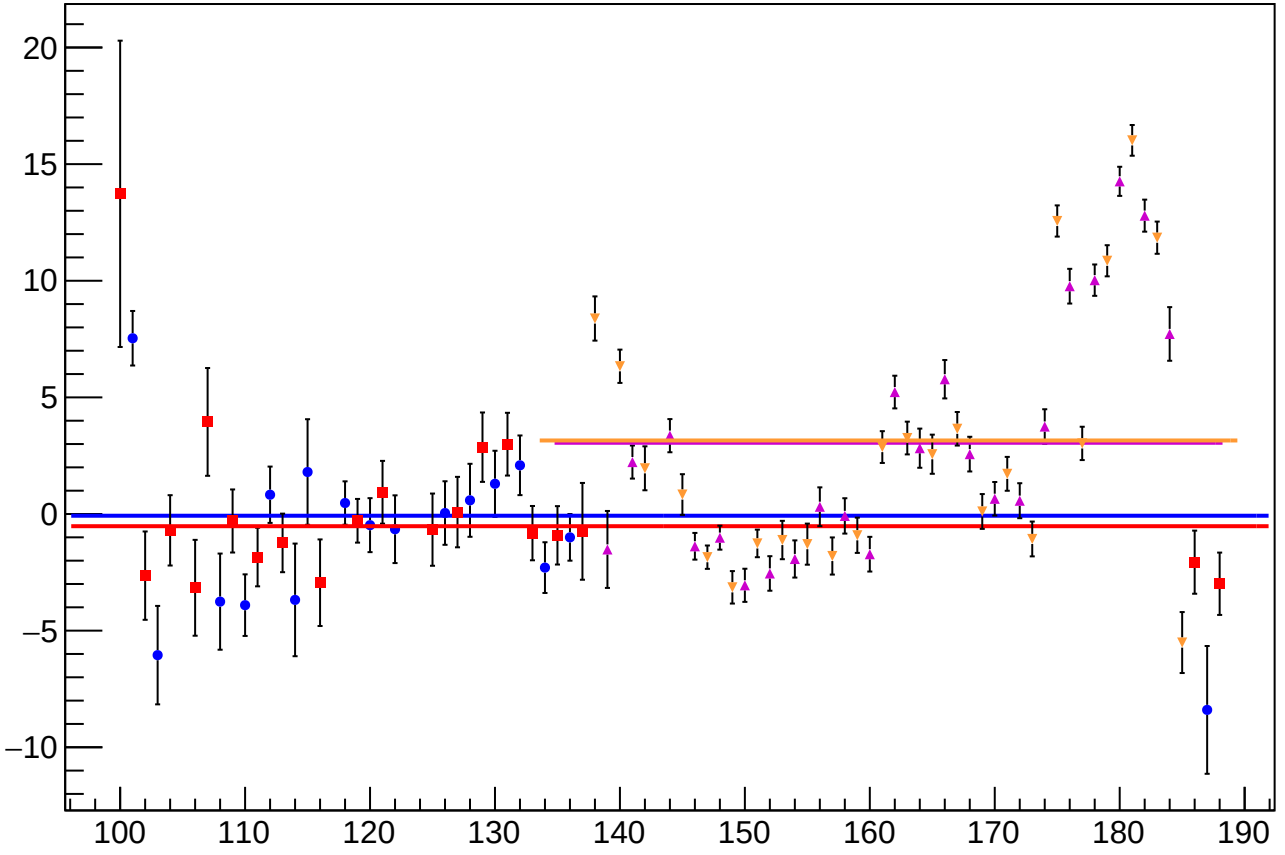
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -6.941+/-0.163 χ^2/NDF: 7045.6/40

All: -5.506+/-0.114 χ^2/NDF: 16085.5/83

- sign -4.130+/-0.159 χ^2/NDF: 8887.7/42

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.074+/-0.329 χ^2/NDF: 84.4/16

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.523+/-0.324 χ^2/NDF: 32.8/19

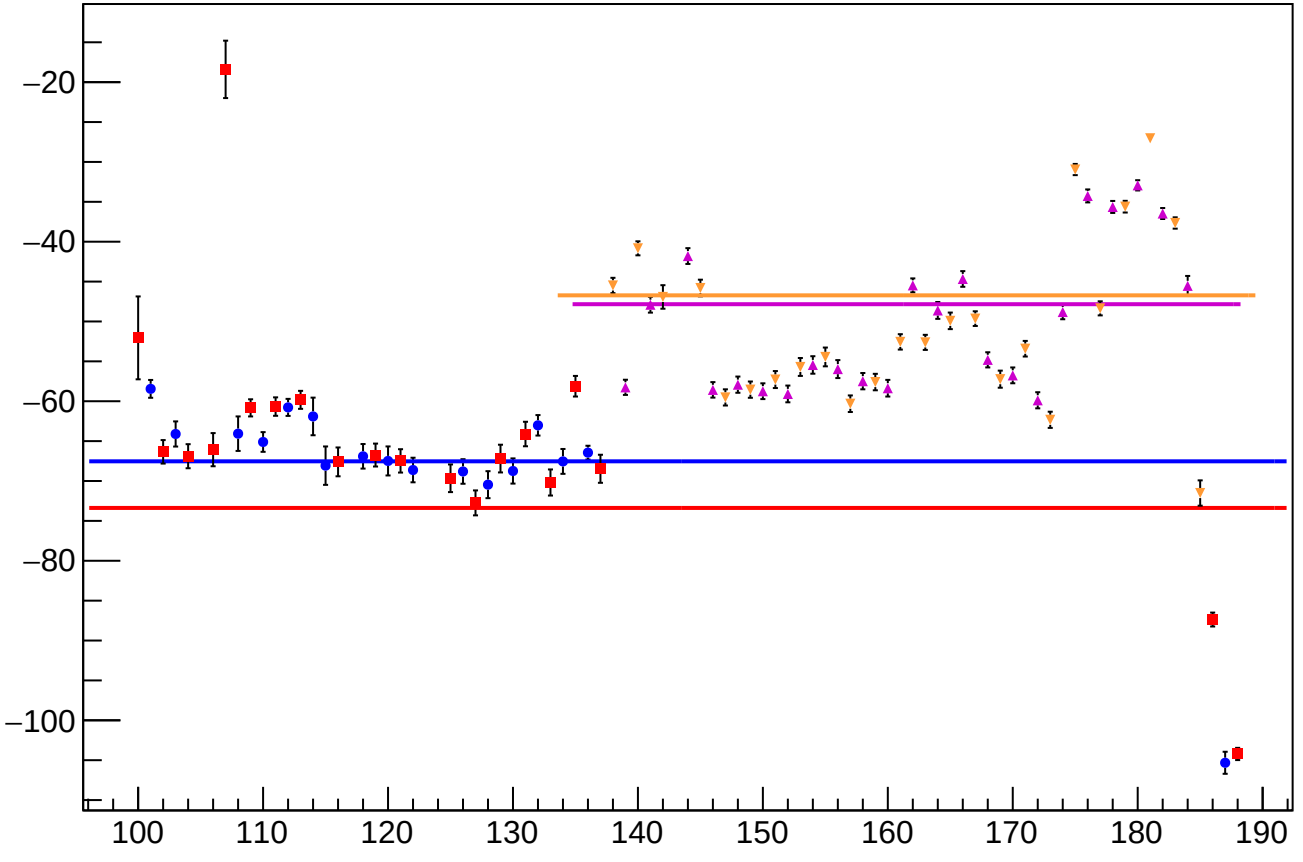
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.603+/-0.136 χ^2/NDF: 1549.2/40

All: 2.507+/-0.097 χ^2/NDF: 2828.1/83

- sign 2.409+/-0.138 χ^2/NDF: 1277.9/42

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -67.532+/-0.343 χ^2/NDF: 890.4/16

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -73.376+/-0.305 χ^2/NDF: 2836.7/19

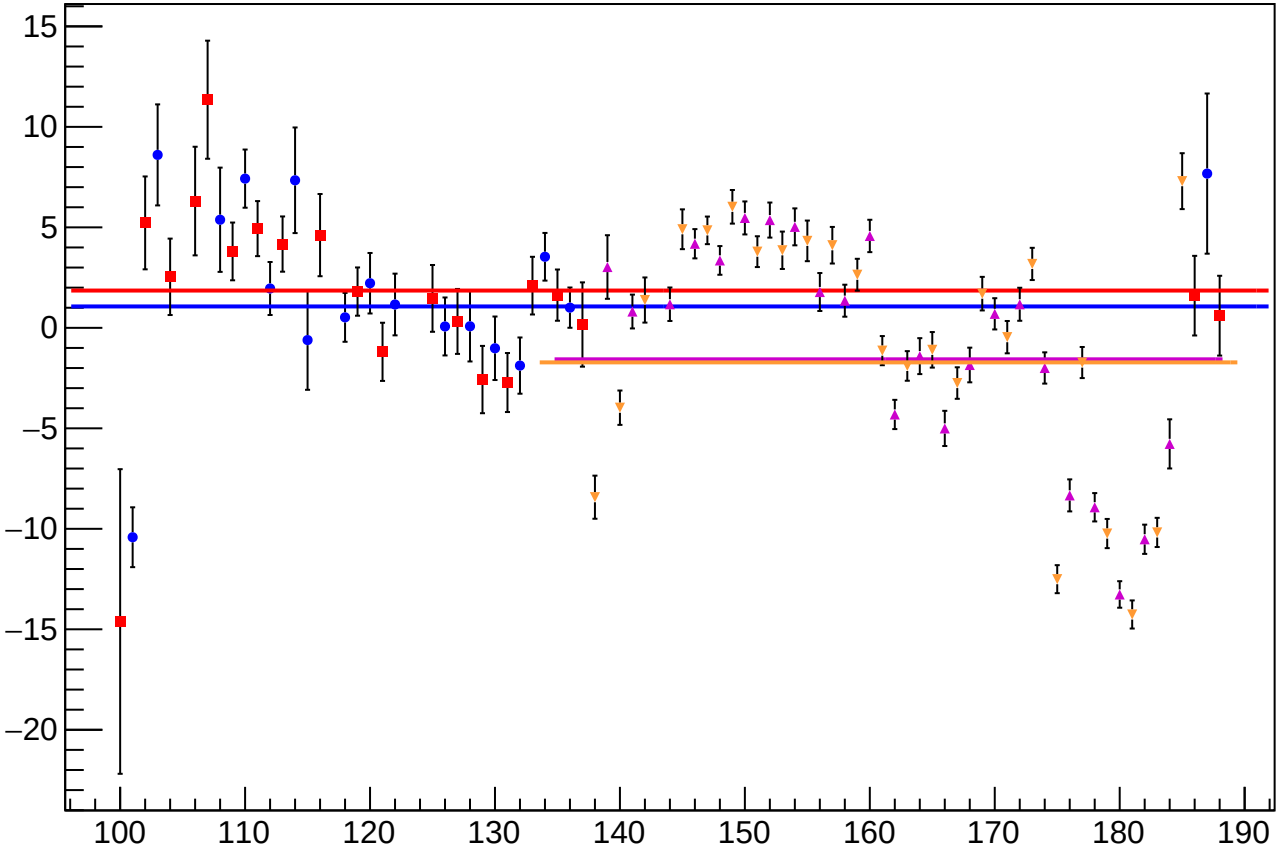
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

\+ sign -51.673+/-0.167 χ^2/NDF: 7142.8/40

All: -53.458+/-0.117 χ^2/NDF: 17744.5/83

\- sign -55.168+/-0.164 χ^2/NDF: 10378.5/42

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.065+/-0.374 χ^2/NDF: 112.0/16

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 1.856+/-0.375 χ^2/NDF: 54.9/19

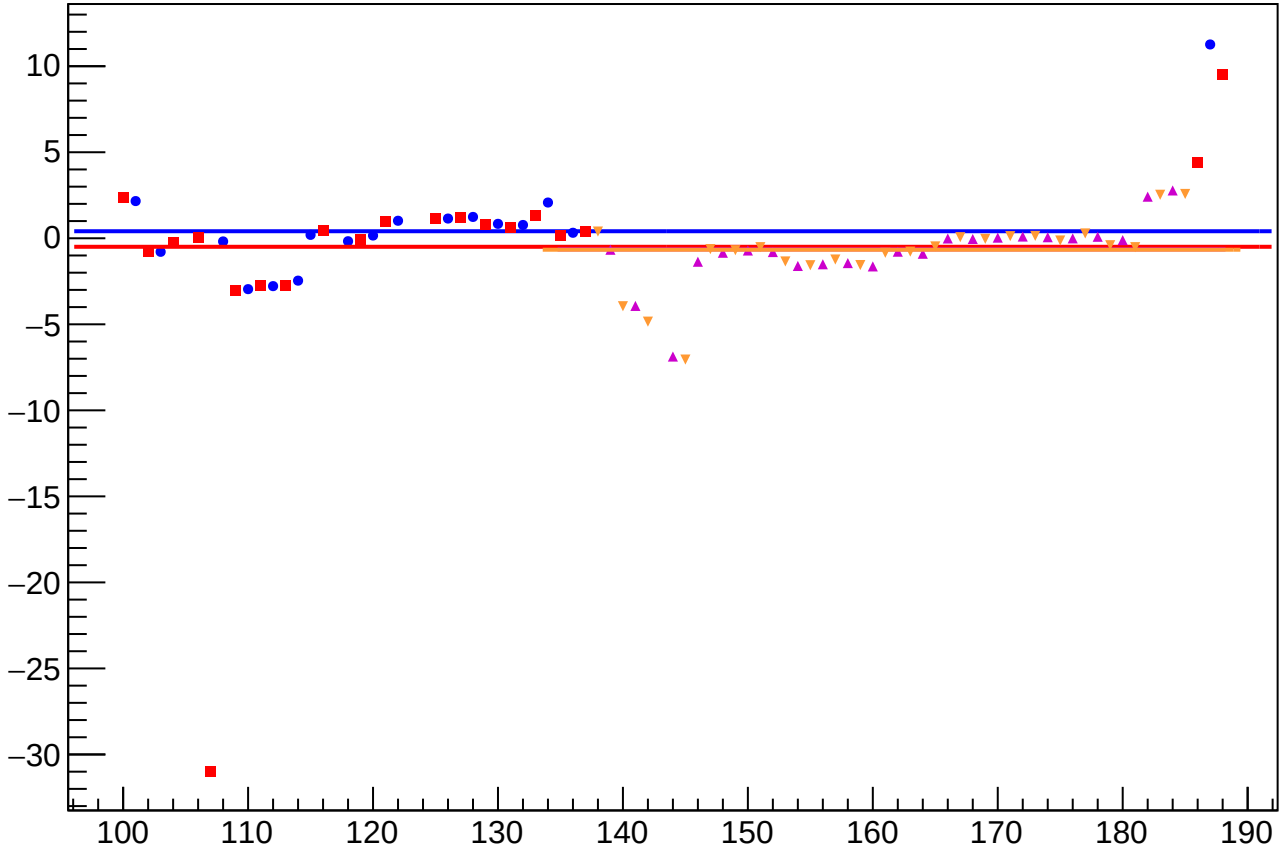
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.252+/-0.153 χ^2/NDF: 1564.2/40

All: -1.118+/-0.109 χ^2/NDF: 2807.3/83

- sign -0.981+/-0.155 χ^2/NDF: 1241.5/42

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.409+/-0.021 χ^2/NDF: 7288.3/16

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.495+/-0.021 χ^2/NDF: 58641.1/19

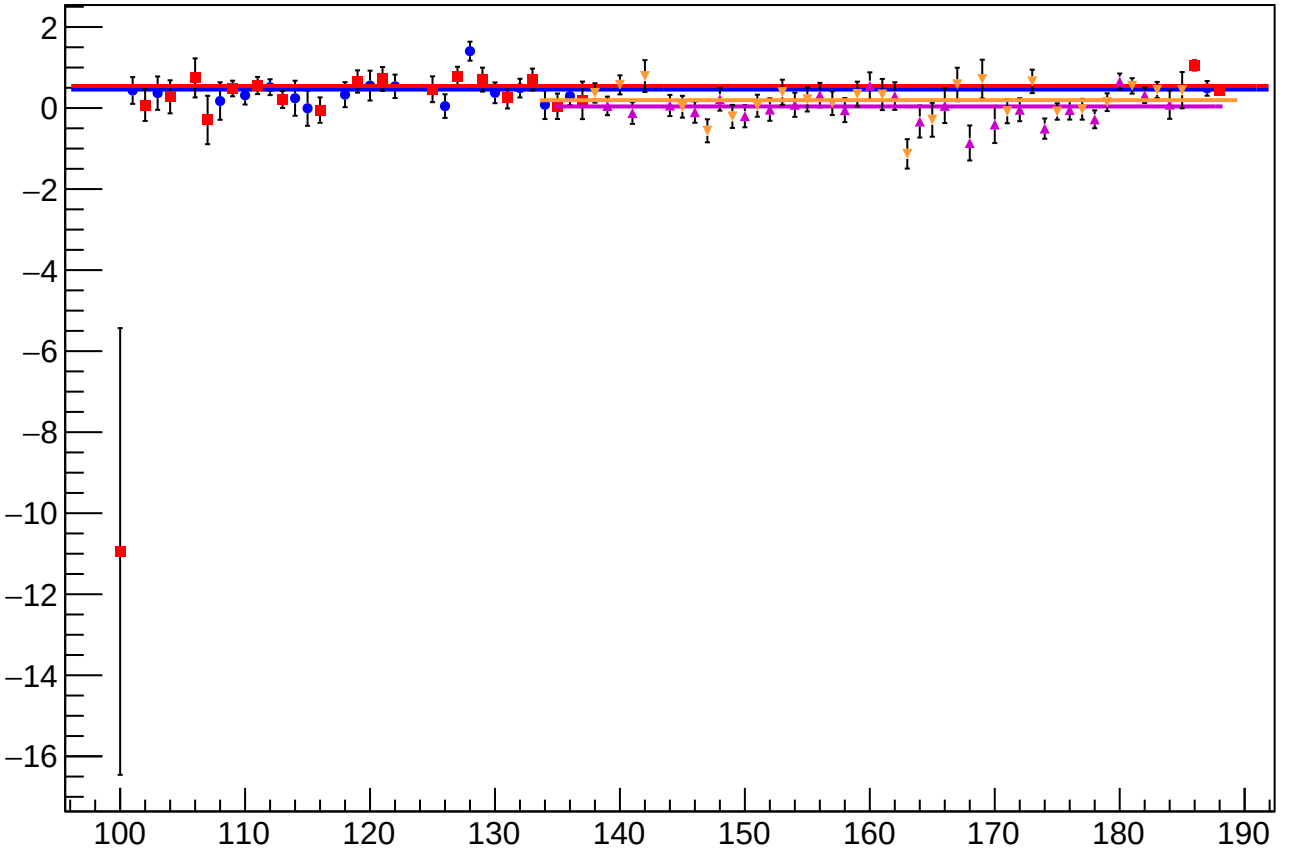
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.543+/-0.007 χ^2/NDF: 64893.7/40

All: -0.586+/-0.005 χ^2/NDF: 169222.4/83

- sign -0.629+/-0.007 χ^2/NDF: 104255.2/42

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.456+/-0.066 χ^2/NDF: 22.7/16

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.544+/-0.053 χ^2/NDF: 38.2/19

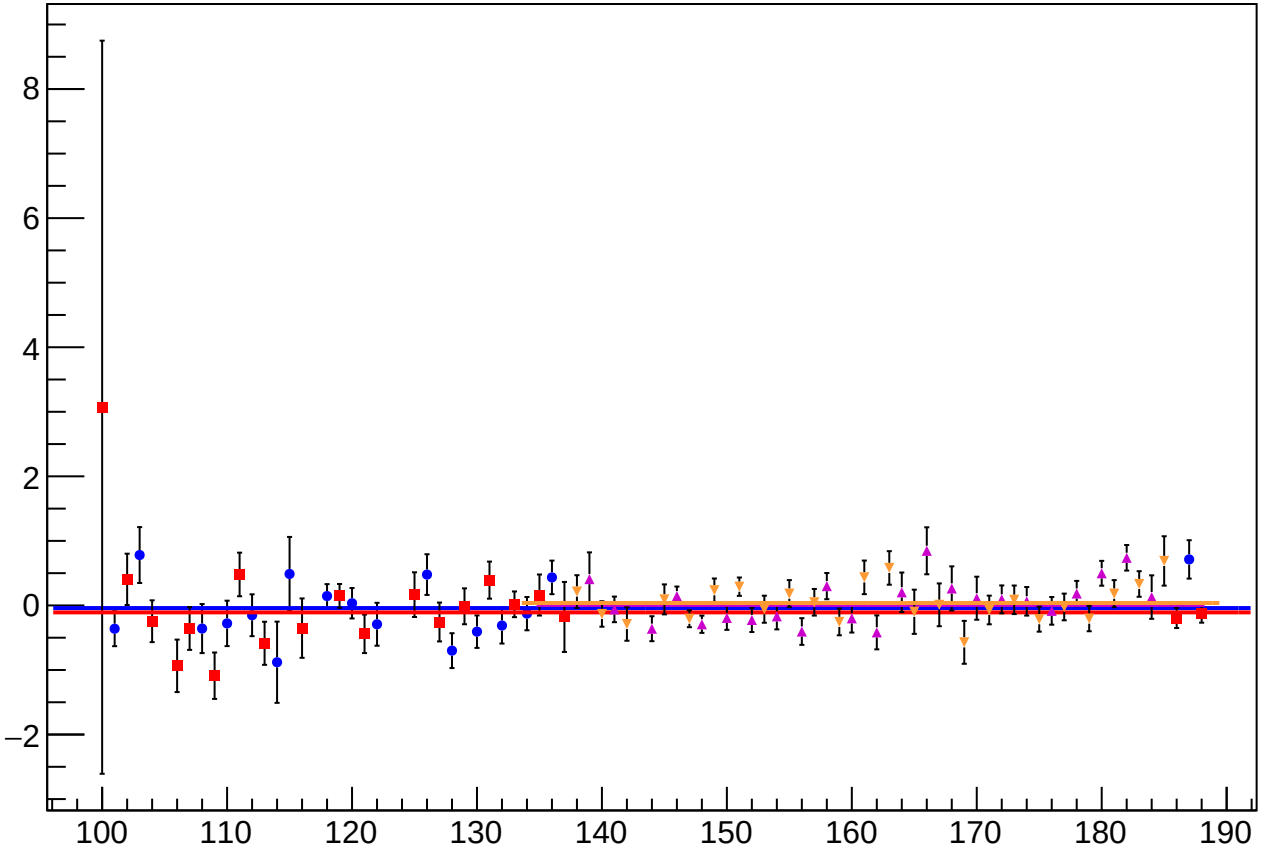
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.305+/-0.043 χ^2/NDF: 75.9/40

All: 0.310+/-0.029 χ^2/NDF: 186.5/83

- sign 0.314+/-0.039 χ^2/NDF: 110.5/42

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.041+/-0.071 χ^2/NDF: 32.2/16

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.108+/-0.061 χ^2/NDF: 28.3/19

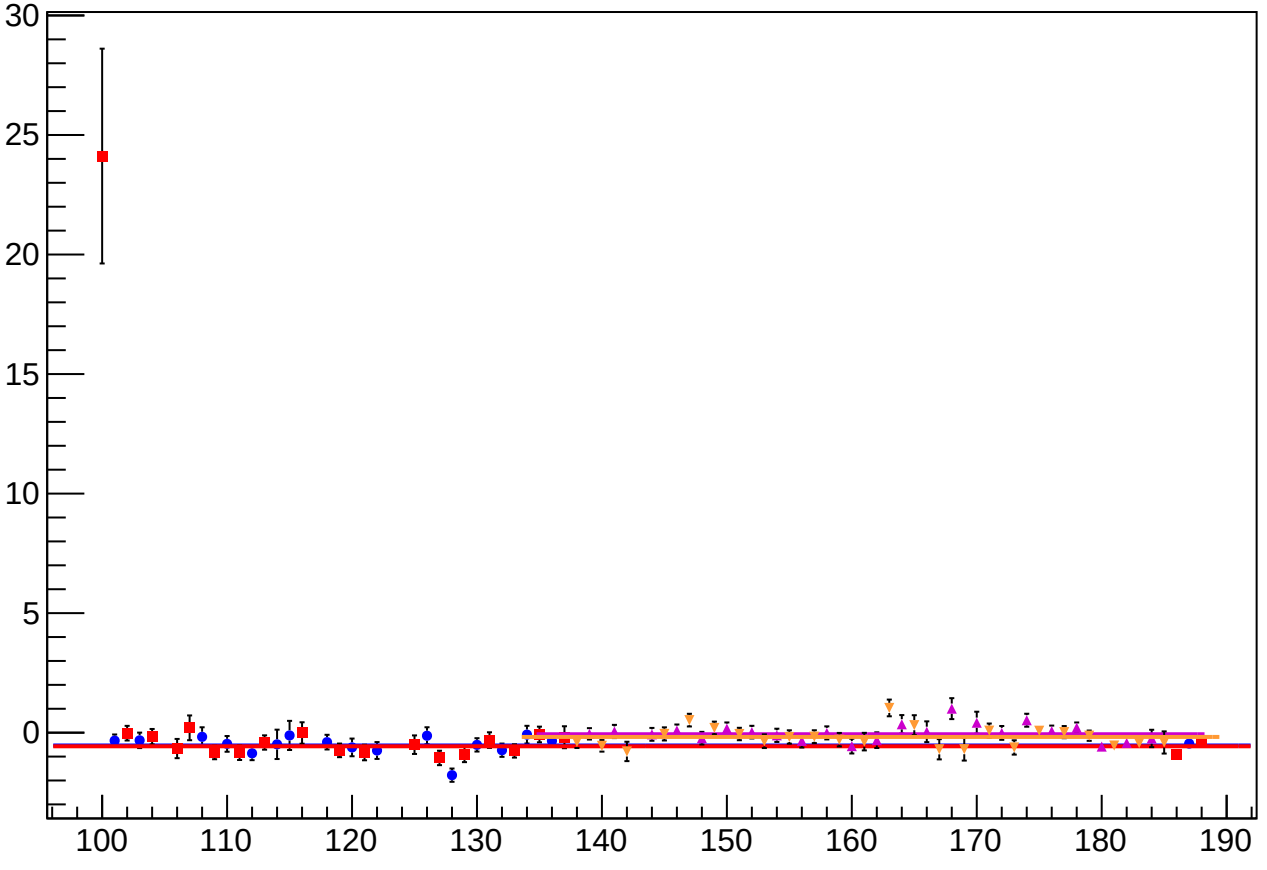
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.017+/-0.037 χ^2/NDF: 65.9/40

All: -0.008+/-0.026 χ^2/NDF: 148.8/83

- sign -0.032+/-0.036 χ^2/NDF: 82.1/42

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.536+/-0.070 χ^2/NDF: 28.7/16

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.570+/-0.050 χ^2/NDF: 64.4/19

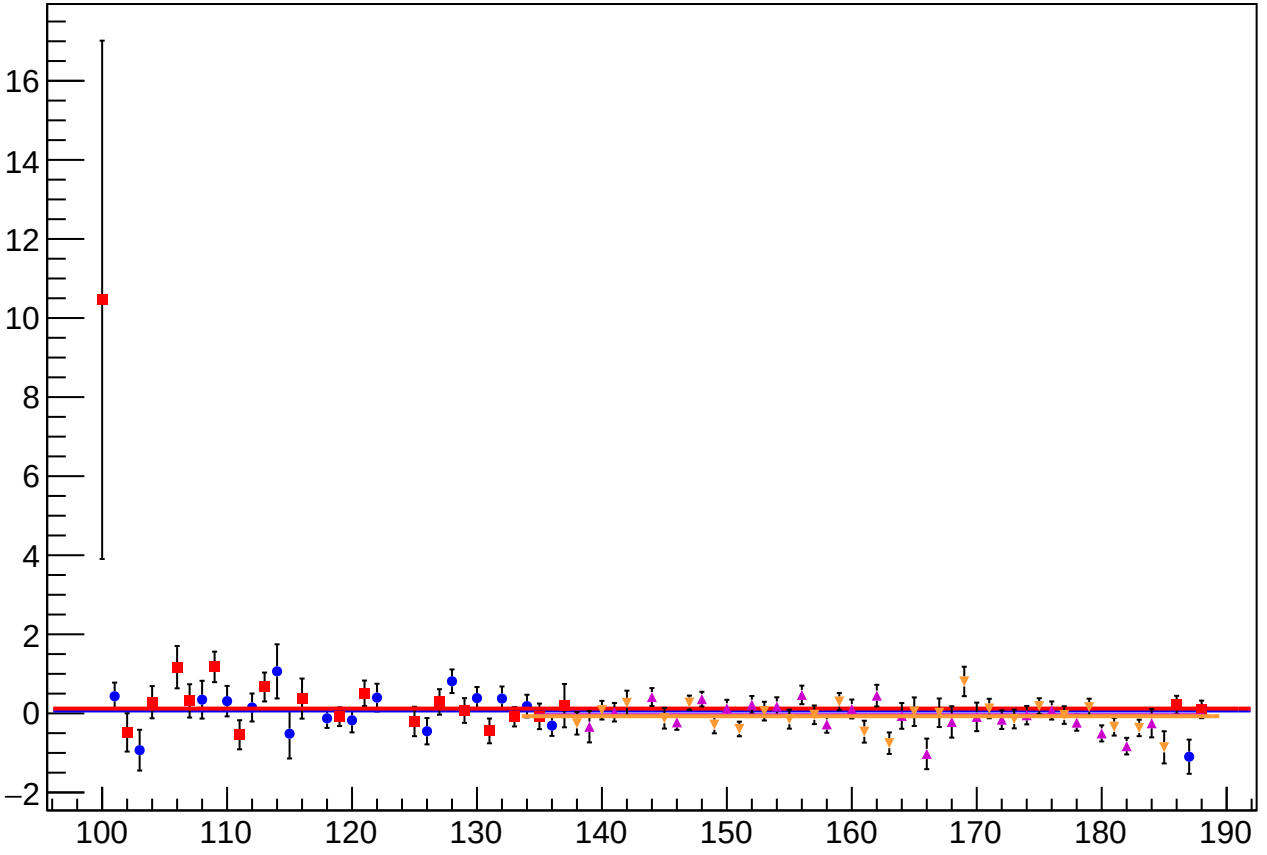
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.318+/-0.044 χ^2/NDF: 86.6/40

All: -0.336+/-0.029 χ^2/NDF: 226.7/83

- sign -0.349+/-0.038 χ^2/NDF: 139.8/42

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.074+/-0.082 χ^2/NDF: 31.2/16

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.121+/-0.075 χ^2/NDF: 29.2/19

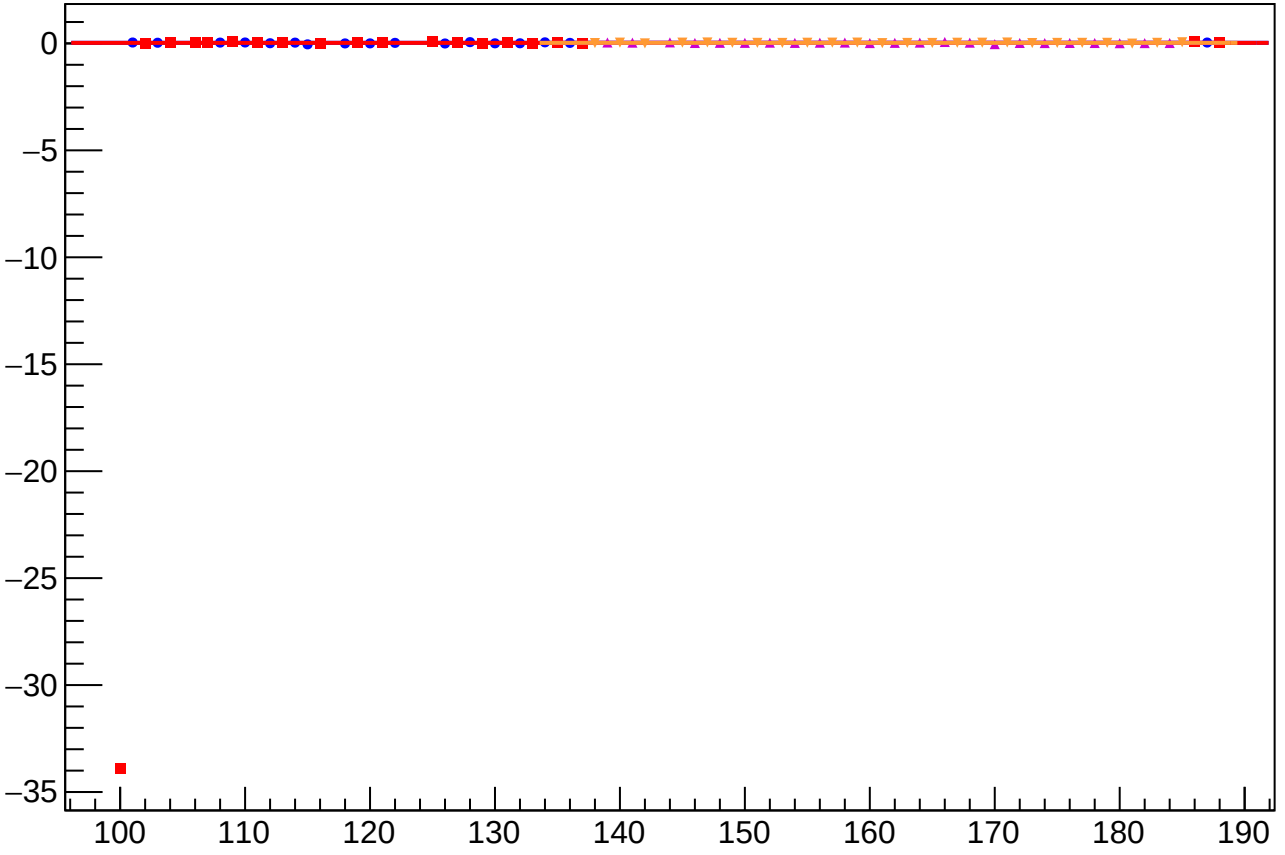
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.033+/-0.042 χ^2/NDF: 71.2/40

All: -0.014+/-0.030 χ^2/NDF: 154.8/83

- sign 0.005+/-0.042 χ^2/NDF: 83.2/42

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.028+/-0.005 χ^2/NDF: 15.0/16

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.025+/-0.004 χ^2/NDF: 22302.7/19

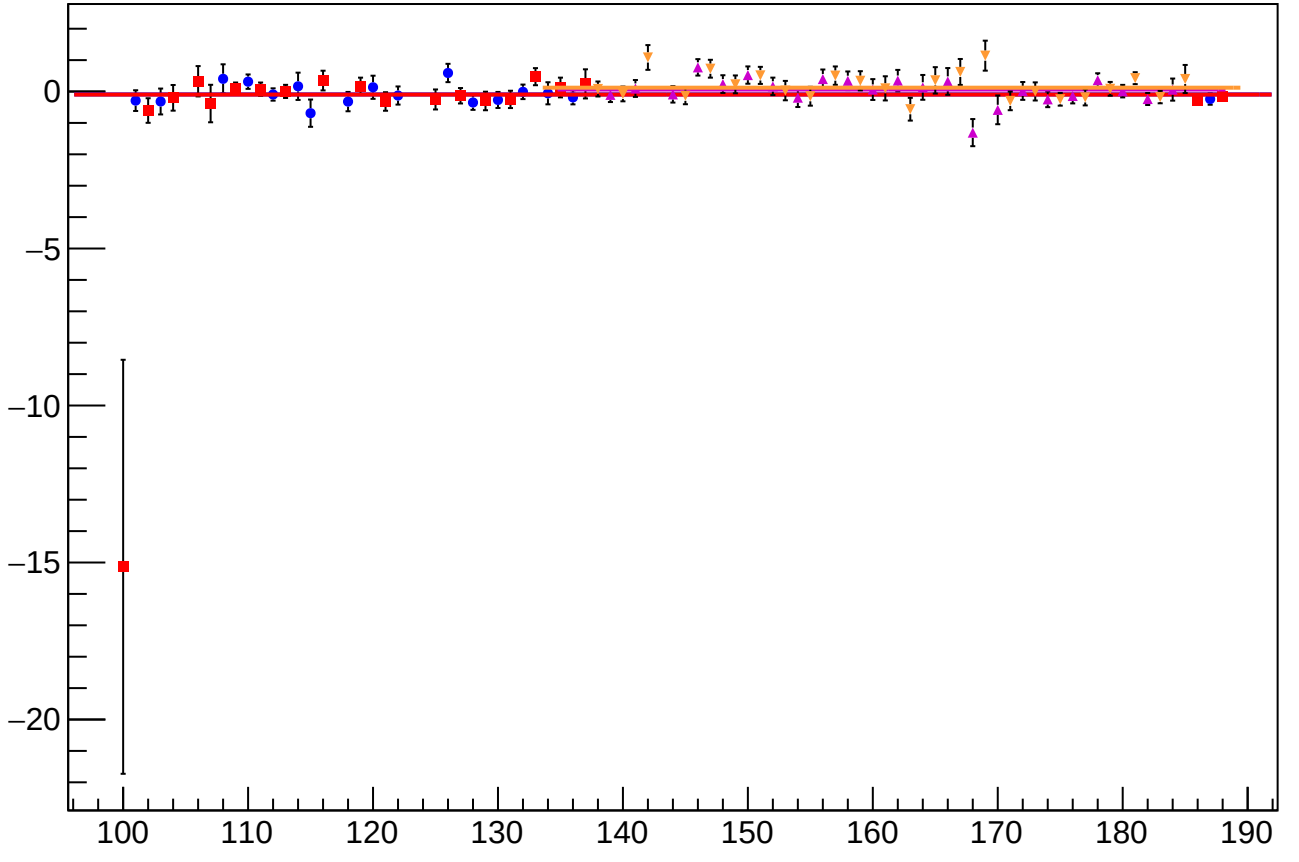
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.027+/-0.002 χ^2/NDF: 46.5/40

All: 0.026+/-0.001 χ^2/NDF: 22388.8/83

- sign 0.026+/-0.002 χ^2/NDF: 22342.3/42

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.093+/-0.066 χ^2/NDF: 16.3/16

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.097+/-0.053 χ^2/NDF: 22.7/19

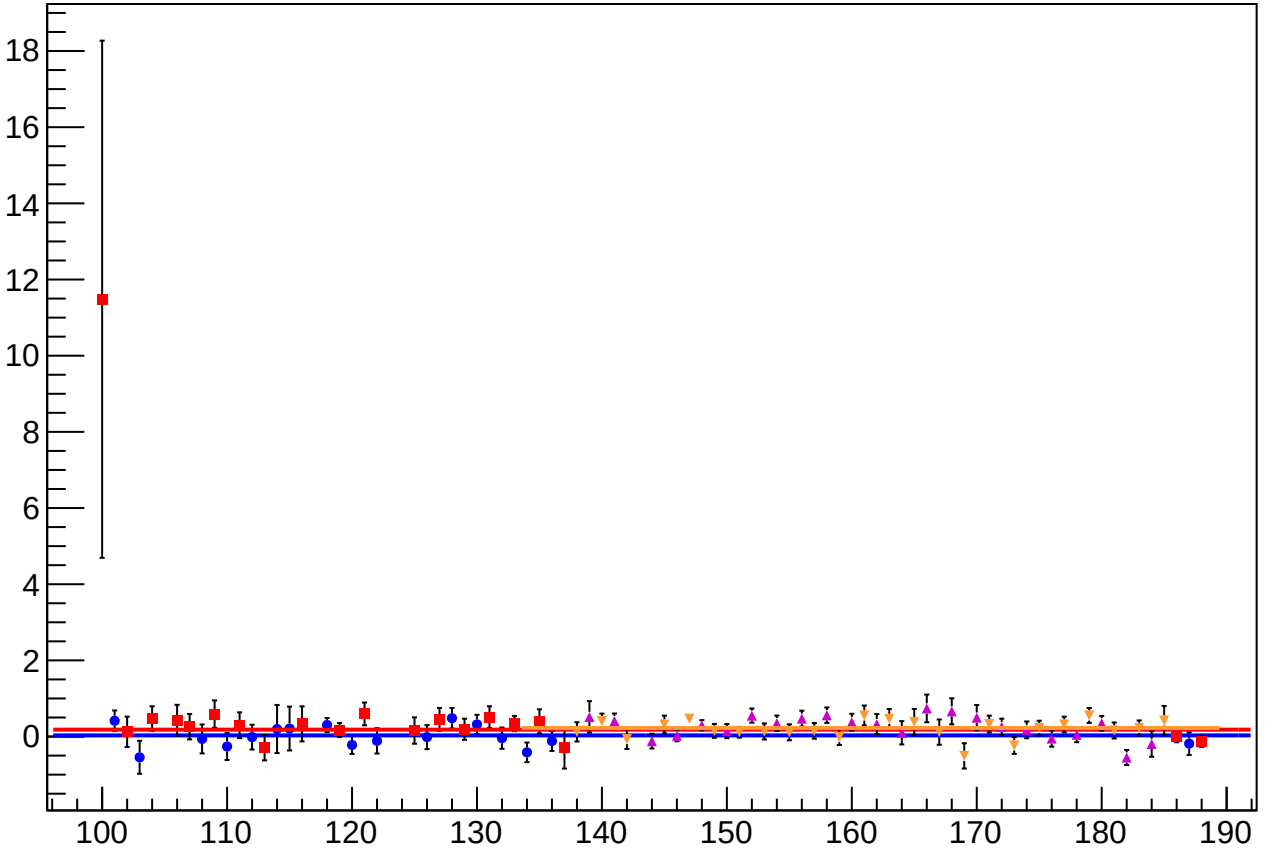
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.031+/-0.043 χ^2/NDF: 61.9/40

All: 0.001+/-0.029 χ^2/NDF: 124.0/83

- sign -0.024+/-0.039 χ^2/NDF: 61.2/42

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.030+/-0.071 χ^2/NDF: 16.3/16

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.181+/-0.061 χ^2/NDF: 19.0/19

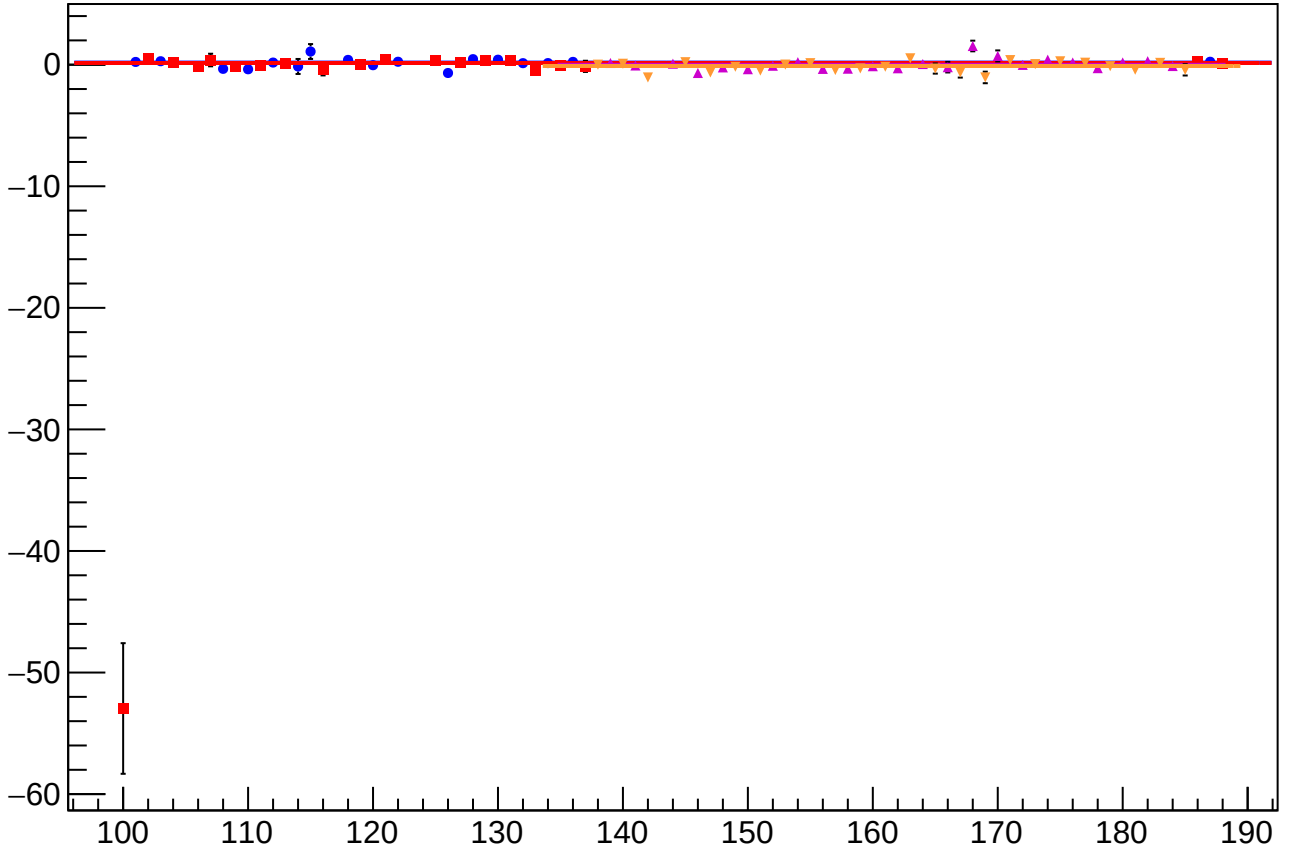
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.172+/-0.037 χ^2/NDF: 45.9/40

All: 0.190+/-0.026 χ^2/NDF: 105.0/83

- sign 0.207+/-0.036 χ^2/NDF: 58.6/42

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.173+/-0.070 χ^2/NDF: 15.9/16

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.141+/-0.050 χ^2/NDF: 111.6/19

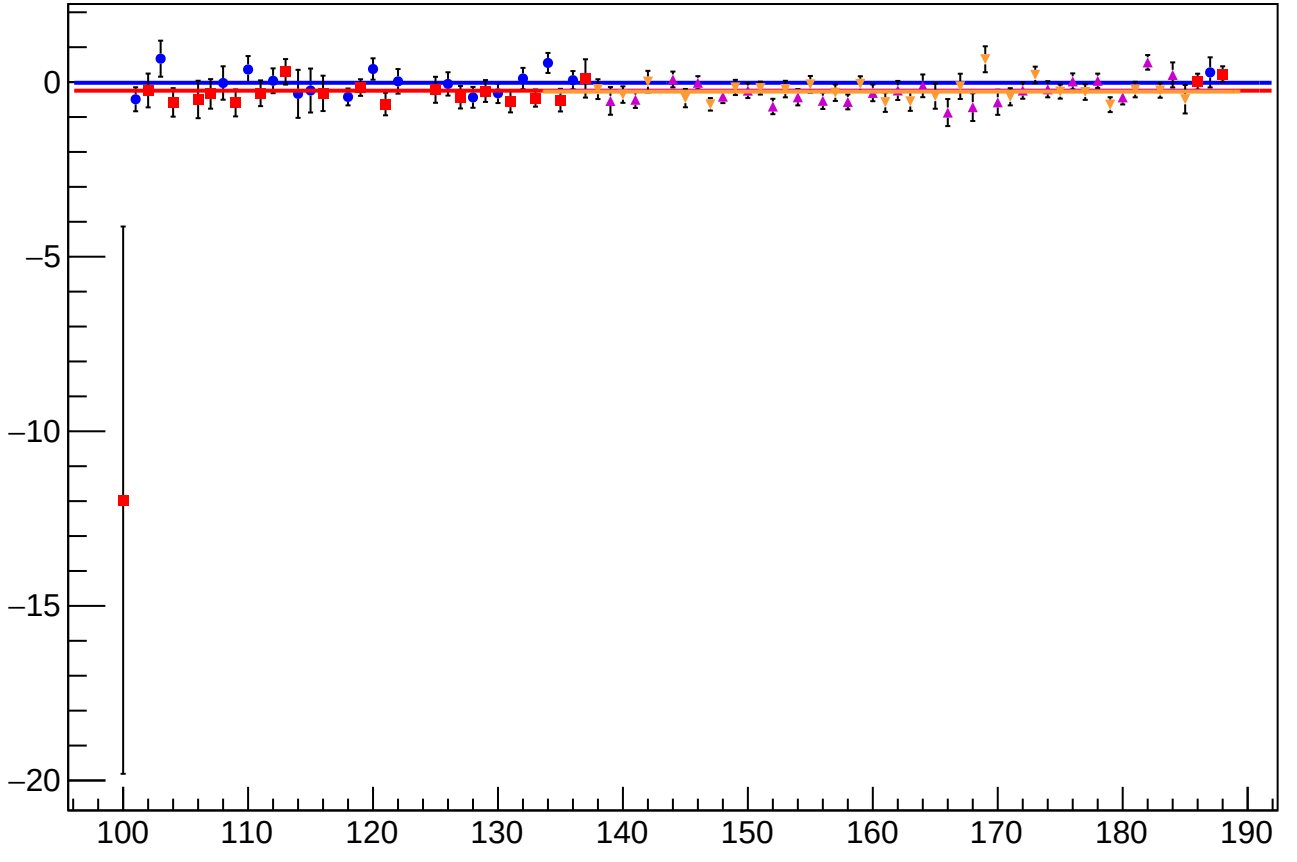
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.003+/-0.044 χ^2/NDF: 63.0/40

All: 0.045+/-0.029 χ^2/NDF: 218.0/83

- sign 0.075+/-0.038 χ^2/NDF: 153.5/42

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.019+/-0.082 χ^2/NDF: 17.3/16

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.245+/-0.075 χ^2/NDF: 16.8/19

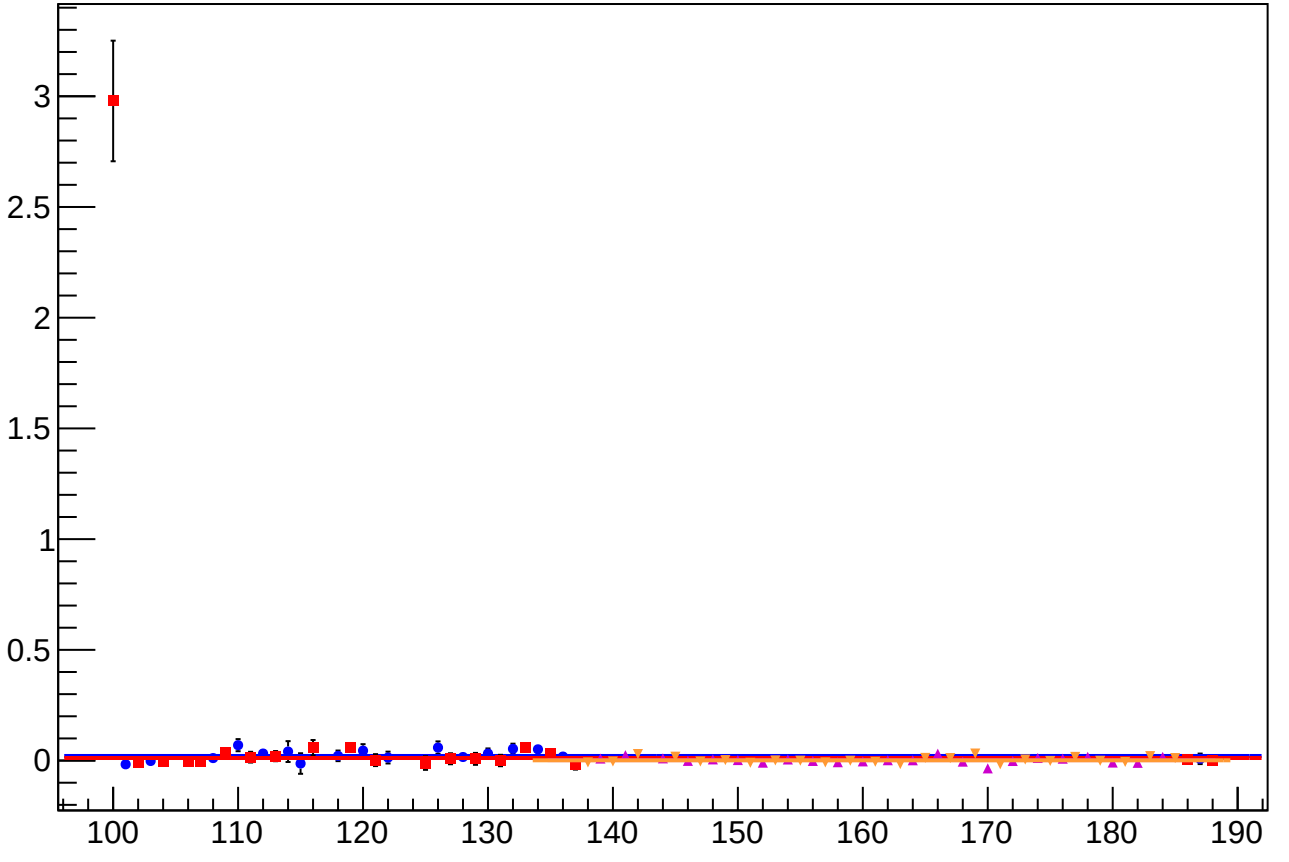
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.205+/-0.042 χ^2/NDF: 49.0/40

All: -0.228+/-0.030 χ^2/NDF: 107.1/83

- sign -0.251+/-0.042 χ^2/NDF: 57.4/42

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.8/16

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.012+/-0.004 χ^2/NDF: 142.1/19

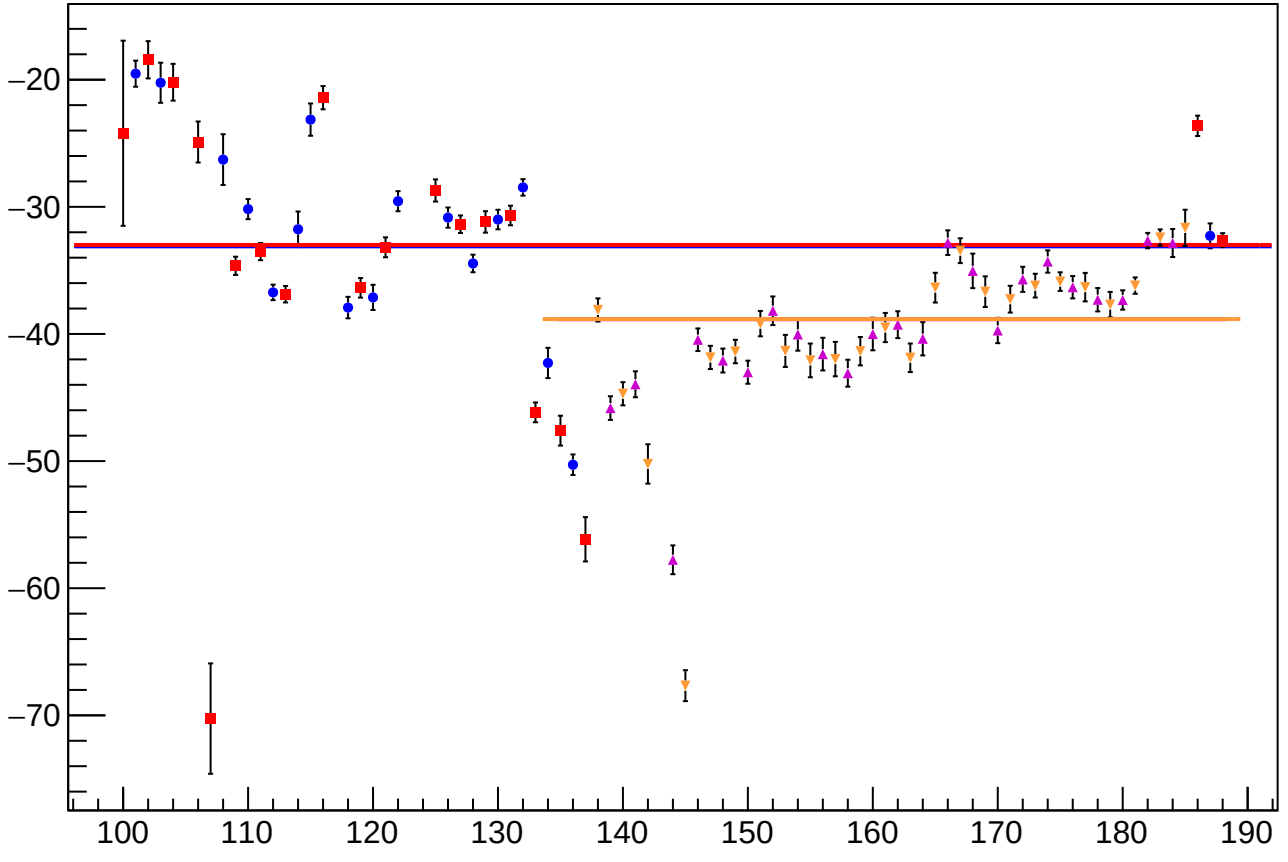
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 63.5/40

All: 0.004+/-0.001 χ^2/NDF: 233.9/83

- sign 0.004+/-0.002 χ^2/NDF: 170.4/42

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.107+/-0.213 χ^2/NDF: 1014.7/16

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -32.999+/-0.194 χ^2/NDF: 1297.1/19

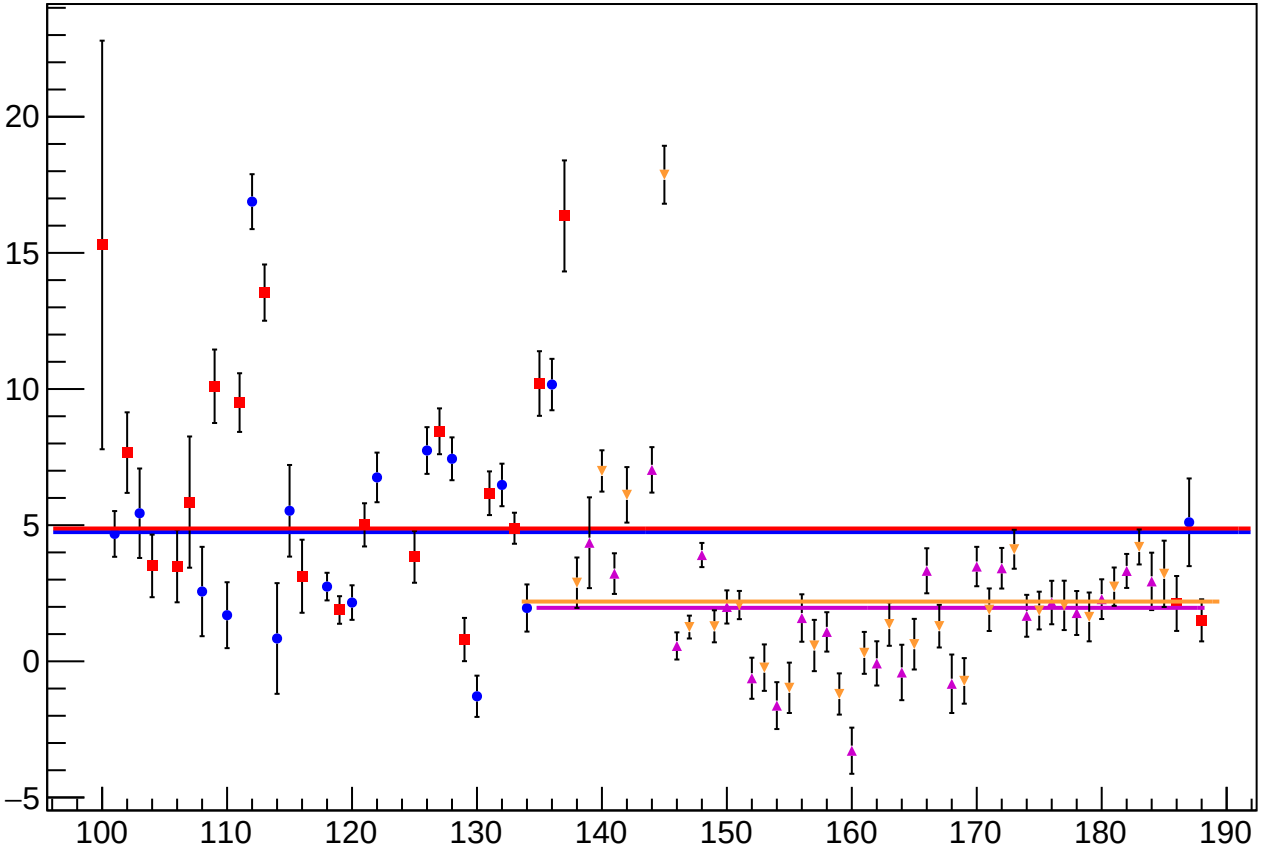
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -36.116+/-0.147 χ^2/NDF: 2311.9/40

All: -35.942+/-0.101 χ^2/NDF: 4696.2/83

- sign -35.782+/-0.140 χ^2/NDF: 2381.6/42

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.745+/-0.217 χ^2/NDF: 329.6/16

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.878+/-0.210 χ^2/NDF: 275.0/19

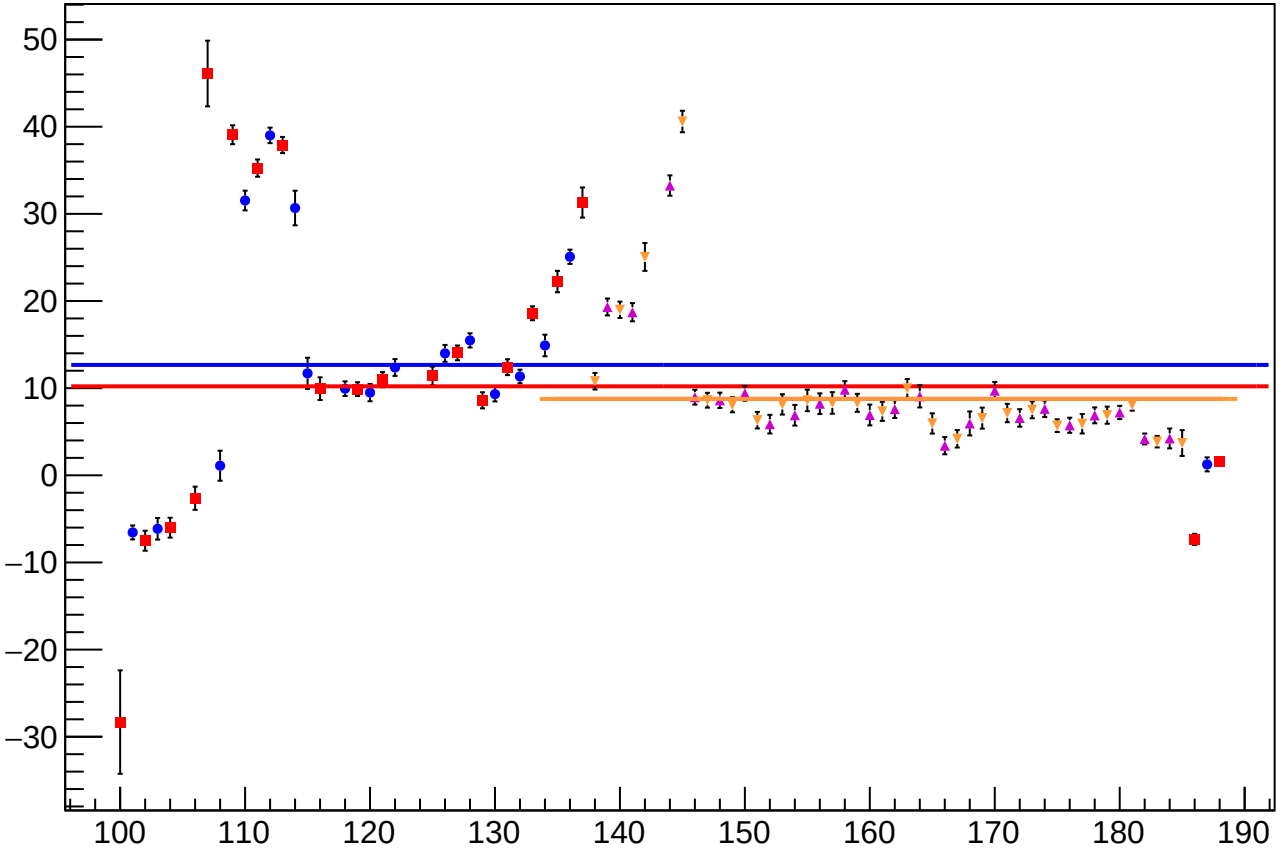
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.035+/-0.125 χ^2/NDF: 787.2/40

All: 3.012+/-0.088 χ^2/NDF: 1360.4/83

- sign 2.990+/-0.125 χ^2/NDF: 573.2/42

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 12.667+/-0.236 χ^2/NDF: 2569.5/16

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 10.211+/-0.206 χ^2/NDF: 4415.9/19

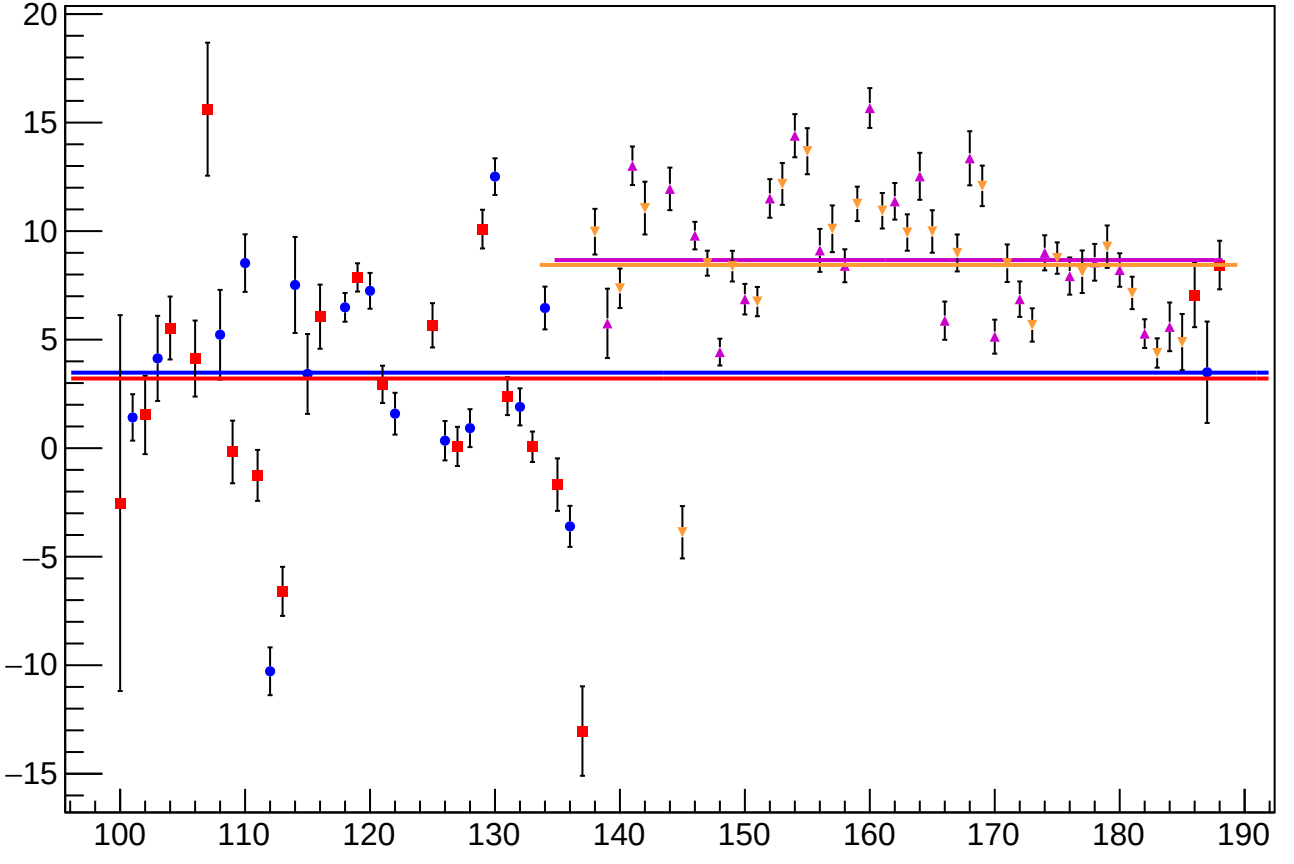
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

\+ sign 10.402+/-0.153 χ^2/NDF: 3763.7/40

All: 9.911+/-0.105 χ^2/NDF: 9019.0/83

\- sign 9.474+/-0.144 χ^2/NDF: 5235.8/42

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.252 χ^2/NDF: 427.6/16

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.209+/-0.247 χ^2/NDF: 376.1/19

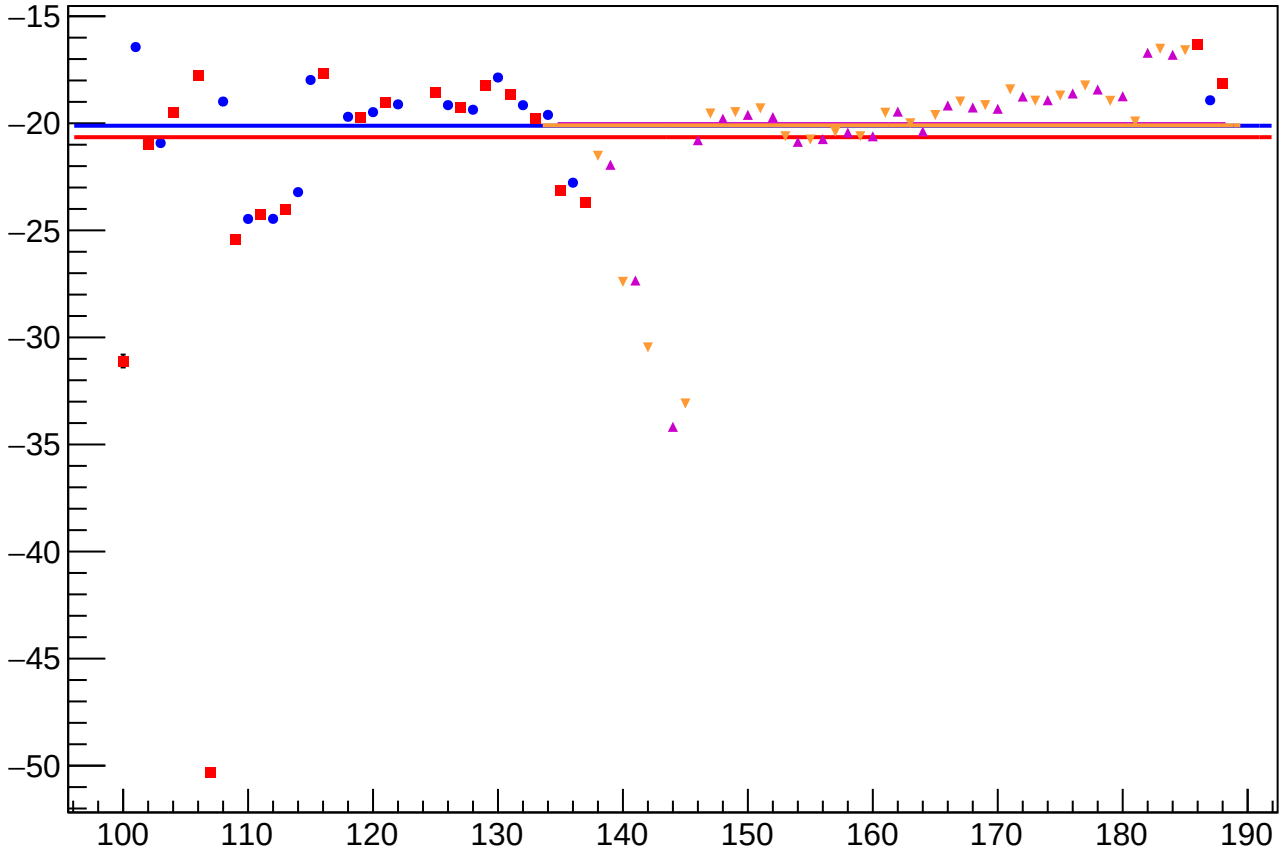
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.847+/-0.143 χ^2/NDF: 954.7/40

All: 6.841+/-0.101 χ^2/NDF: 1959.4/83

\- sign 6.835+/-0.143 χ^2/NDF: 1004.8/42

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.114+/-0.016 χ^2/NDF: 19920.3/16

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.648+/-0.015 χ^2/NDF: 62318.4/19

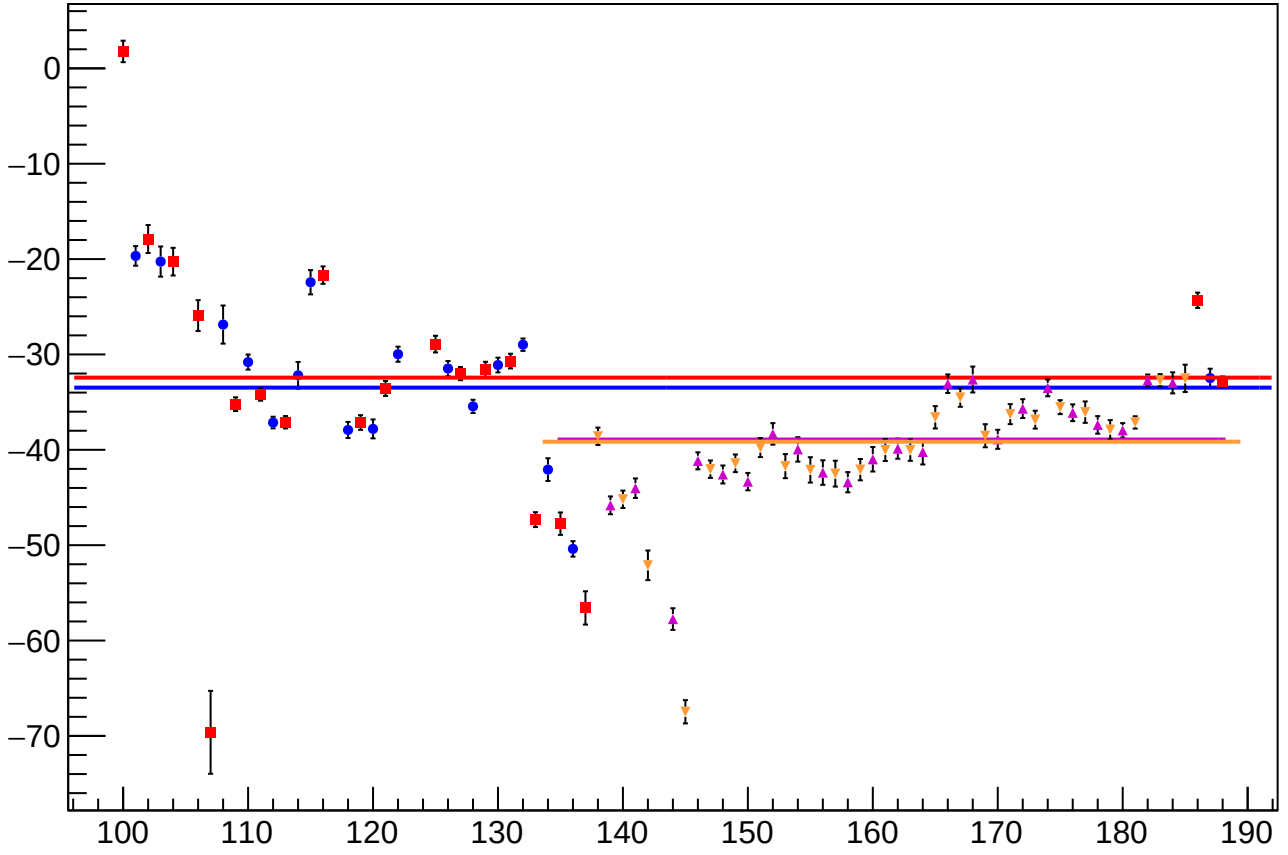
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.100+/-0.007 χ^2/NDF: 179214.4/40

All: -20.132+/-0.005 χ^2/NDF: 375106.2/83

- sign -20.164+/-0.007 χ^2/NDF: 195850.3/42

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.479+/-0.213 χ^2/NDF: 1009.8/16

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -32.430+/-0.192 χ^2/NDF: 2278.5/19

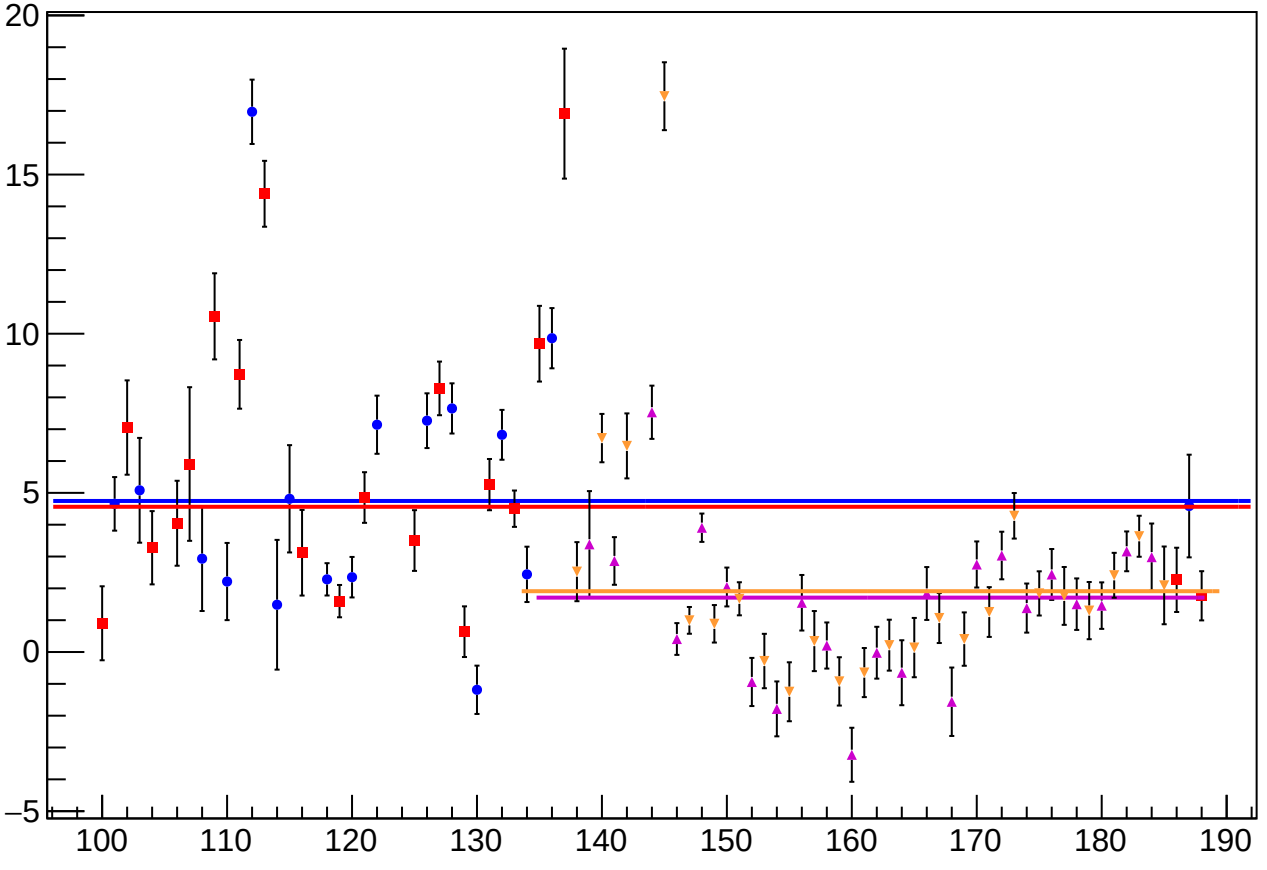
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -36.460+/-0.147 χ^2/NDF: 2280.4/40

All: -35.945+/-0.101 χ^2/NDF: 5804.9/83

- sign -35.479+/-0.140 χ^2/NDF: 3501.0/42

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.745+/-0.218 χ^2/NDF: 325.7/16

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.563+/-0.207 χ^2/NDF: 293.7/19

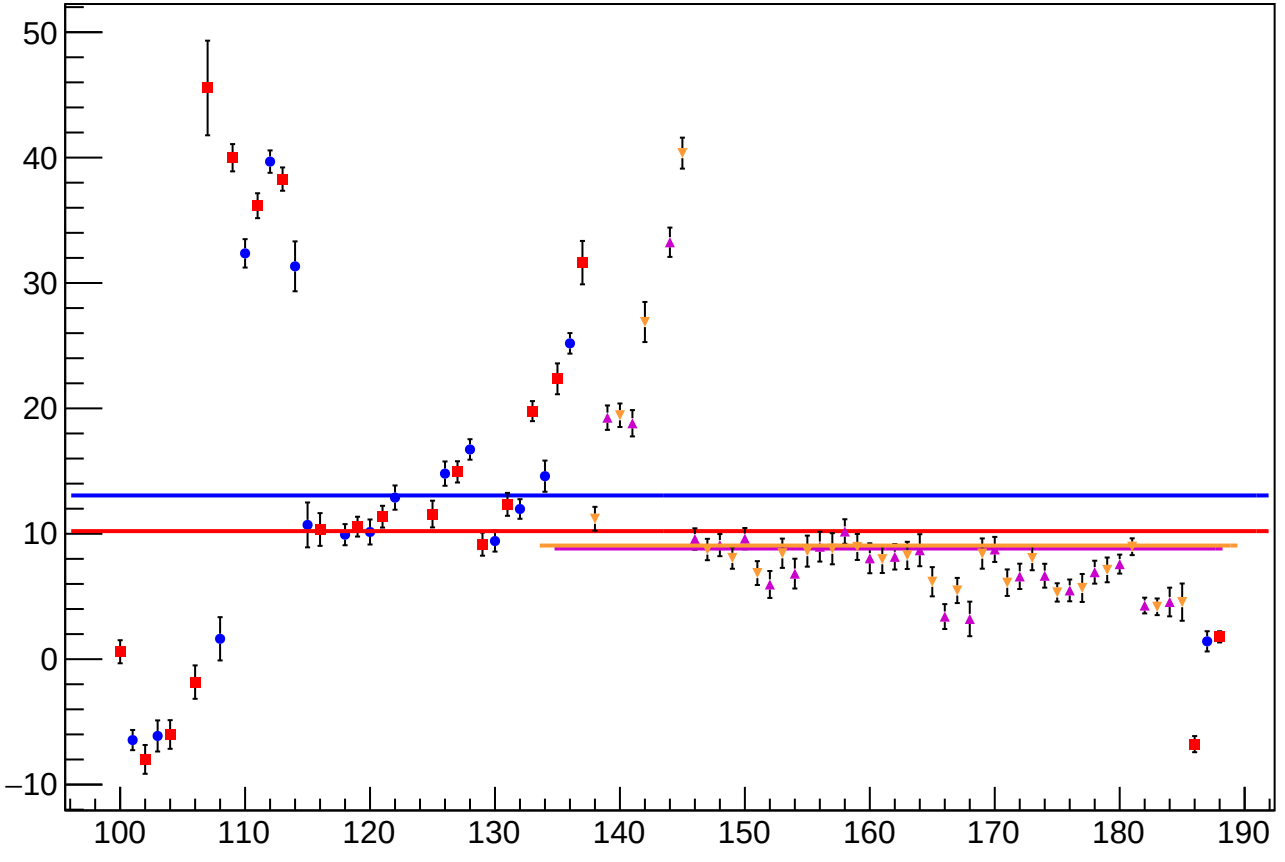
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

\+ sign 2.844+/-0.125 χ^2/NDF: 798.8/40

All: 2.789+/-0.088 χ^2/NDF: 1397.3/83

\- sign 2.734+/-0.124 χ^2/NDF: 598.1/42

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 13.057+/-0.236 χ^2/NDF: 2629.7/16

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 10.212+/-0.202 χ^2/NDF: 4566.5/19

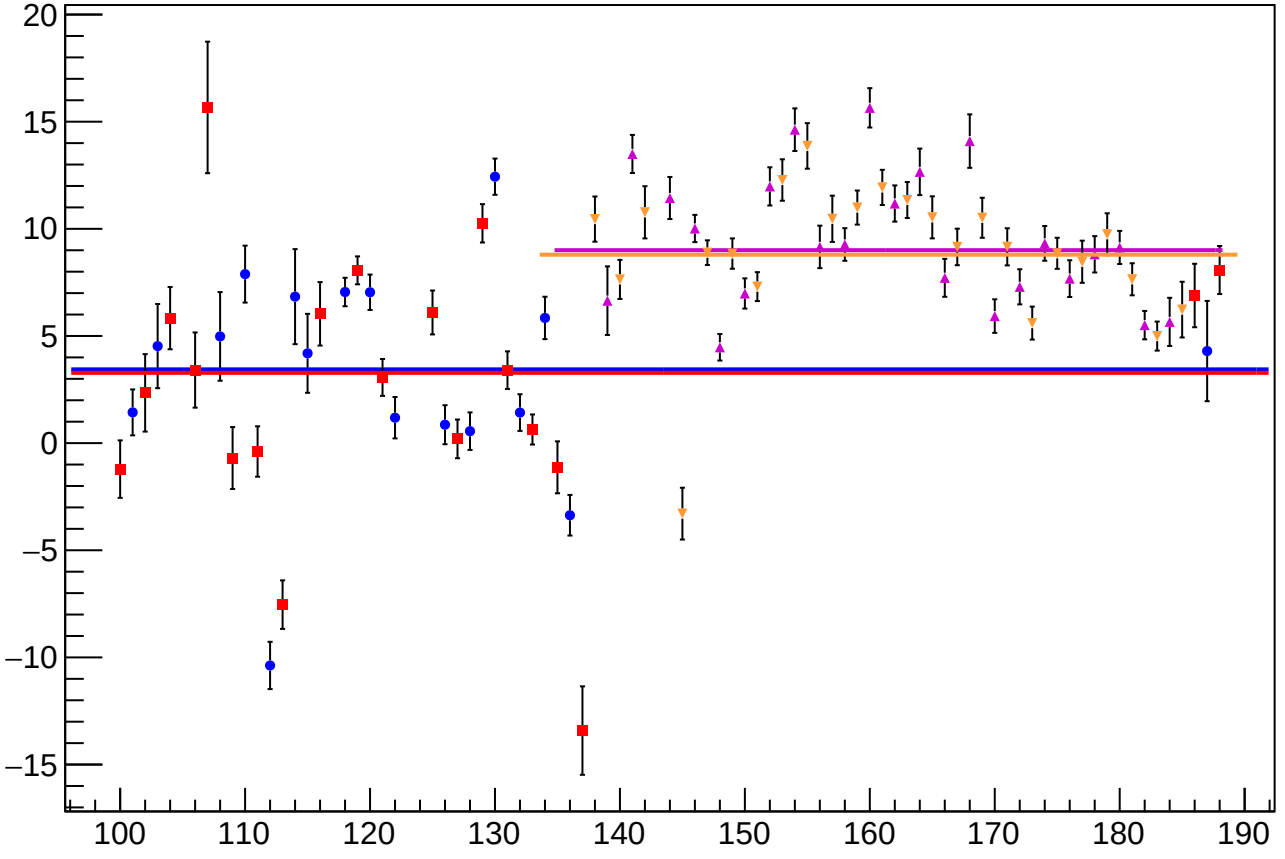
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 10.737+/-0.153 χ^2/NDF: 3829.1/40

All: 10.085+/-0.104 χ^2/NDF: 9254.5/83

- sign 9.519+/-0.143 χ^2/NDF: 5391.5/42

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.442+/-0.253 χ^2/NDF: 424.1/16

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.280+/-0.244 χ^2/NDF: 393.9/19

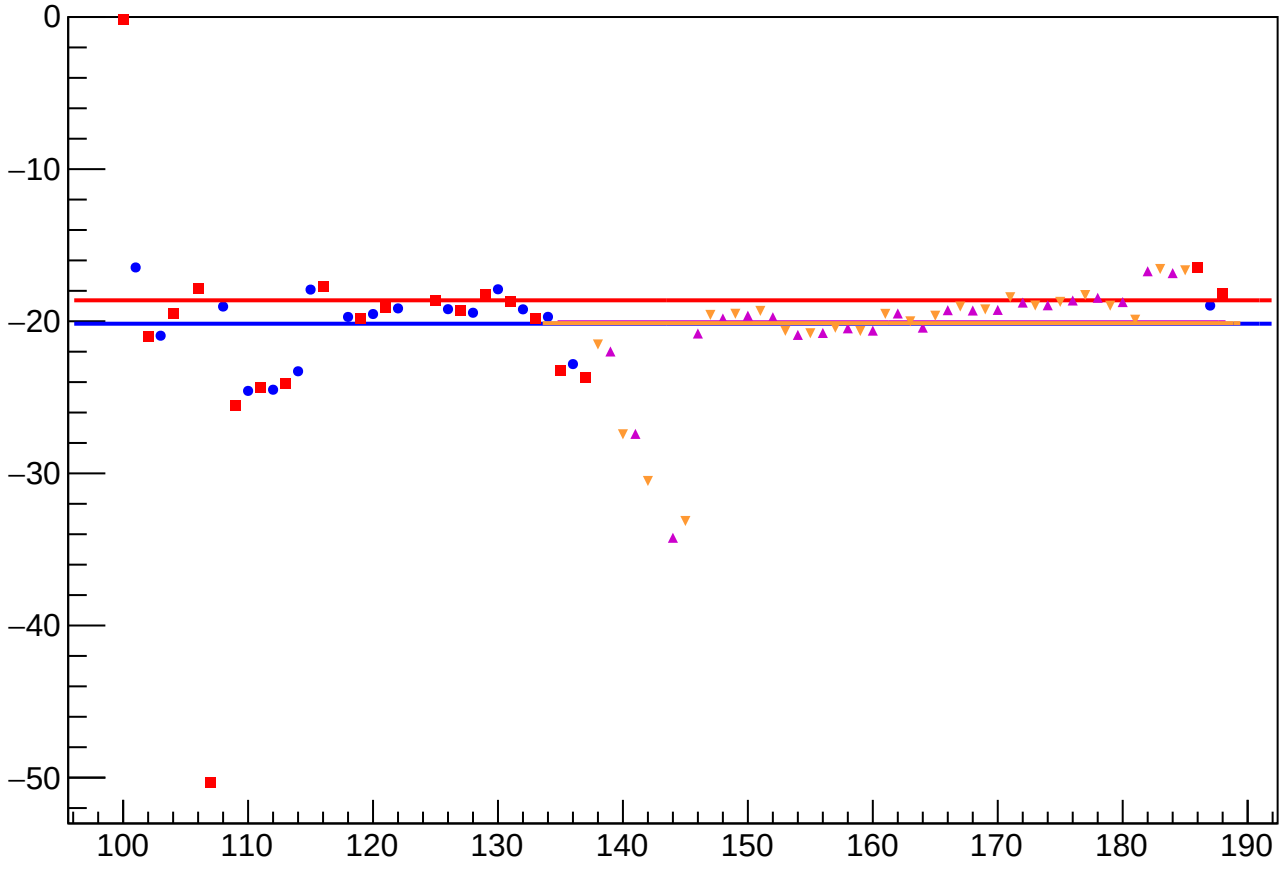
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

\+ sign 7.074+/-0.143 χ^2/NDF: 972.5/40

All: 7.058+/-0.101 χ^2/NDF: 2018.6/83

\- sign 7.042+/-0.143 χ^2/NDF: 1046.1/42

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.161+/-0.016 χ^2/NDF: 19946.1/16

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -18.623+/-0.015 χ^2/NDF: 235222.5/19

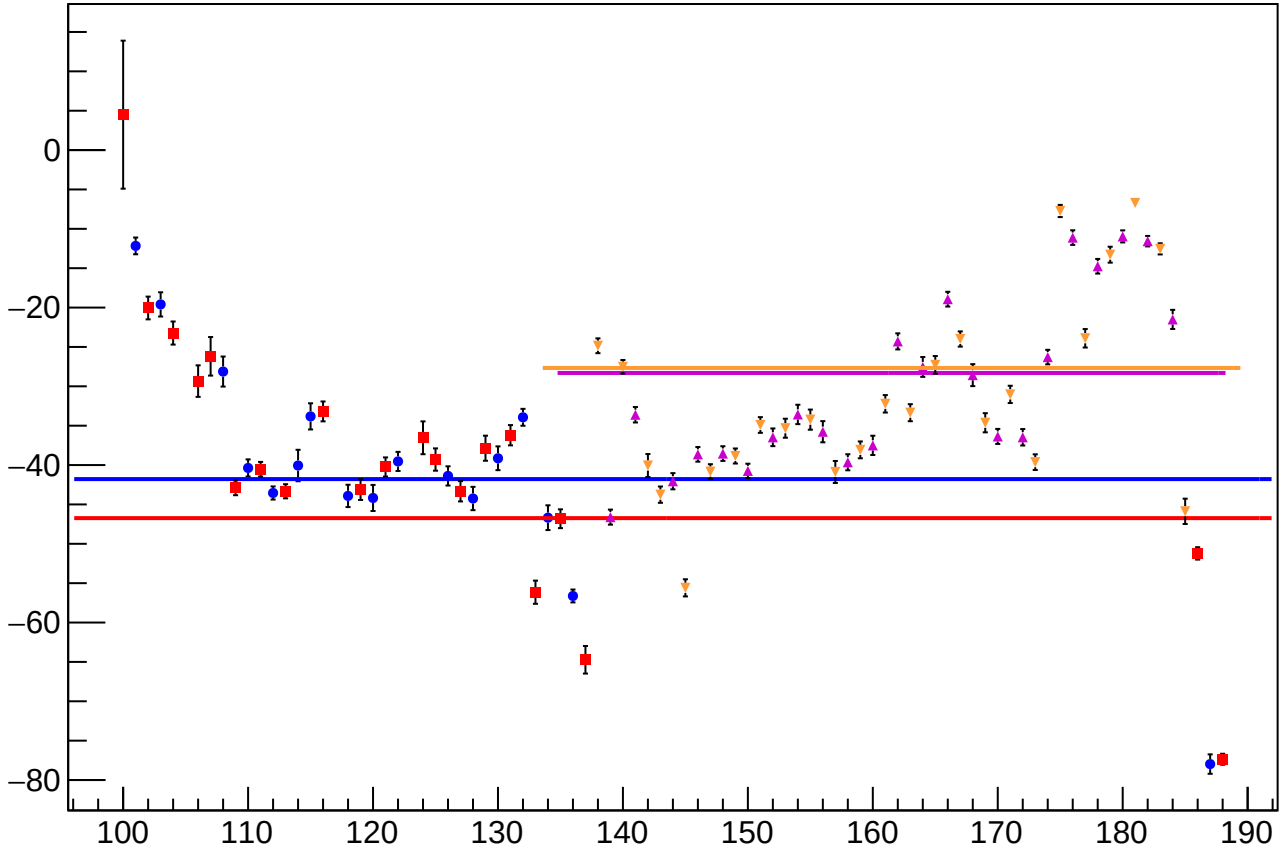
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.131+/-0.007 χ^2/NDF: 178529.3/40

All: -19.932+/-0.005 χ^2/NDF: 555423.0/83

- sign -19.740+/-0.007 χ^2/NDF: 375349.3/42

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -41.783+/-0.301 χ^2/NDF: 2330.4/16

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -46.739+/-0.265 χ^2/NDF: 3272.7/20

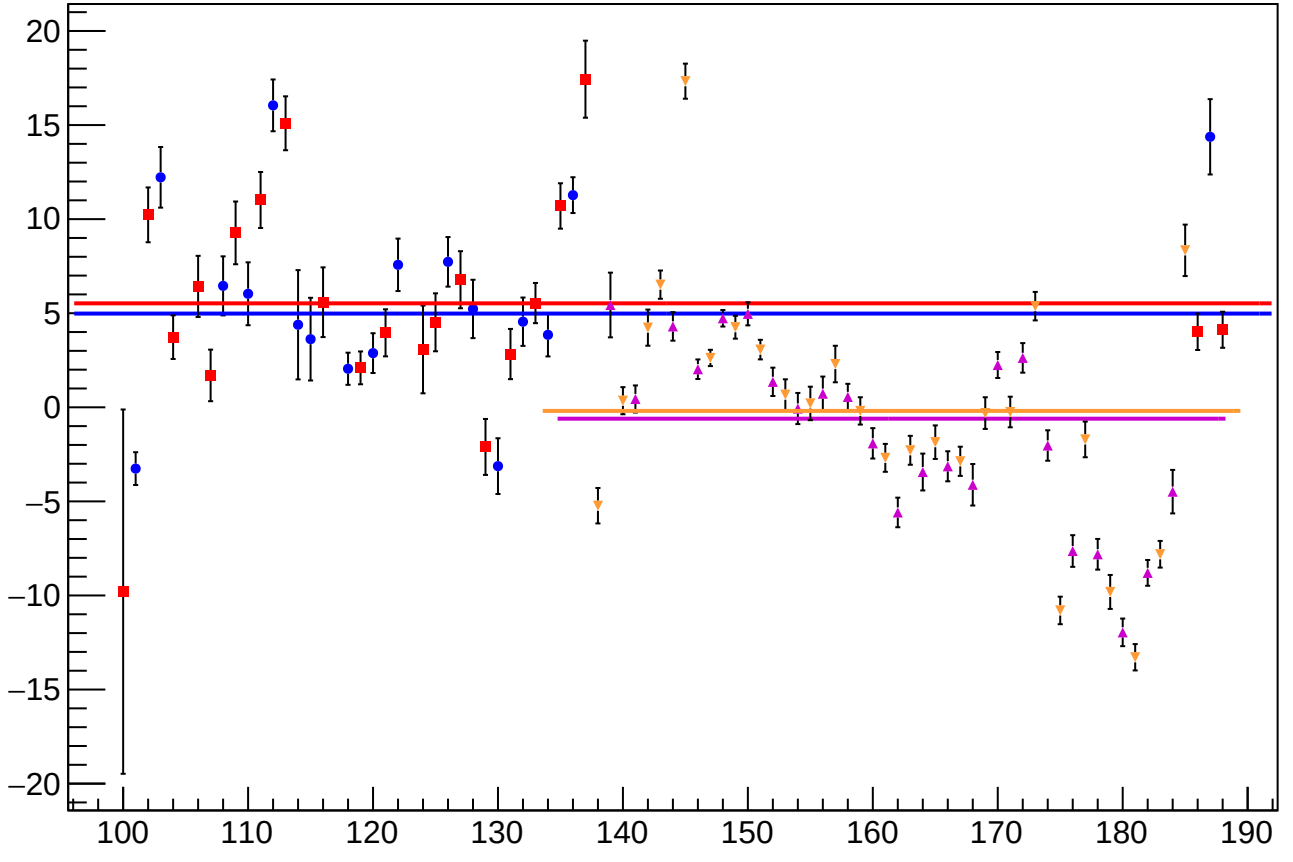
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

\+ sign -32.000+/-0.167 χ^2/NDF: 8248.9/41

All: -33.670+/-0.116 χ^2/NDF: 18016.1/85

\- sign -35.252+/-0.162 χ^2/NDF: 9572.2/43

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.981+/-0.312 χ^2/NDF: 296.4/16

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.525+/-0.293 χ^2/NDF: 193.2/20

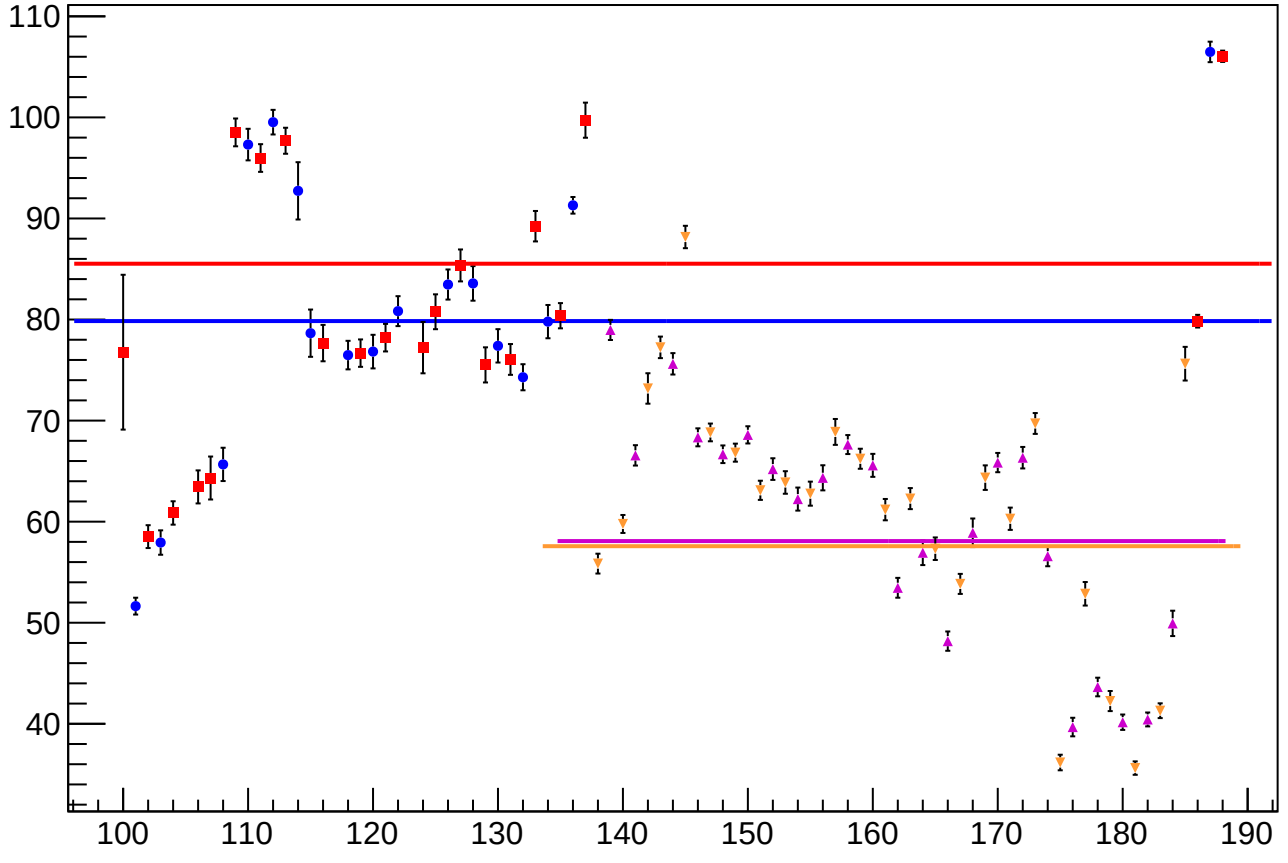
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.780+/-0.135 χ^2/NDF: 2064.9/41

All: 0.761+/-0.096 χ^2/NDF: 3575.5/85

- sign 0.741+/-0.137 χ^2/NDF: 1510.5/43

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 79.848+/-0.320 χ^2/NDF: 2881.8/16

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 85.523+/-0.267 χ^2/NDF: 3247.3/20

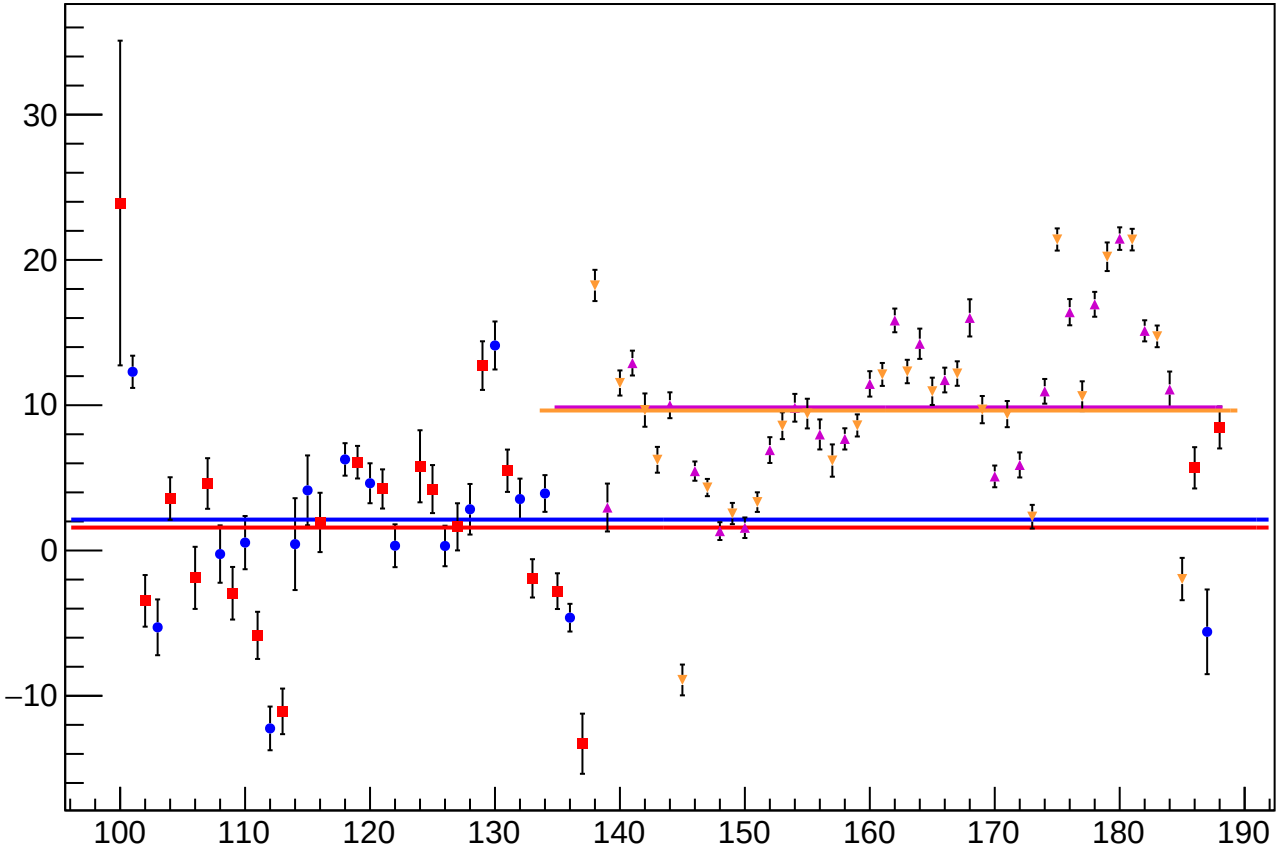
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 63.793+/-0.169 χ^2/NDF: 11066.6/41

All: 66.065+/-0.117 χ^2/NDF: 24896.2/85

- sign 68.151+/-0.162 χ^2/NDF: 13482.5/43

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.128+/-0.360 χ^2/NDF: 326.7/16

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.580+/-0.349 χ^2/NDF: 291.3/20

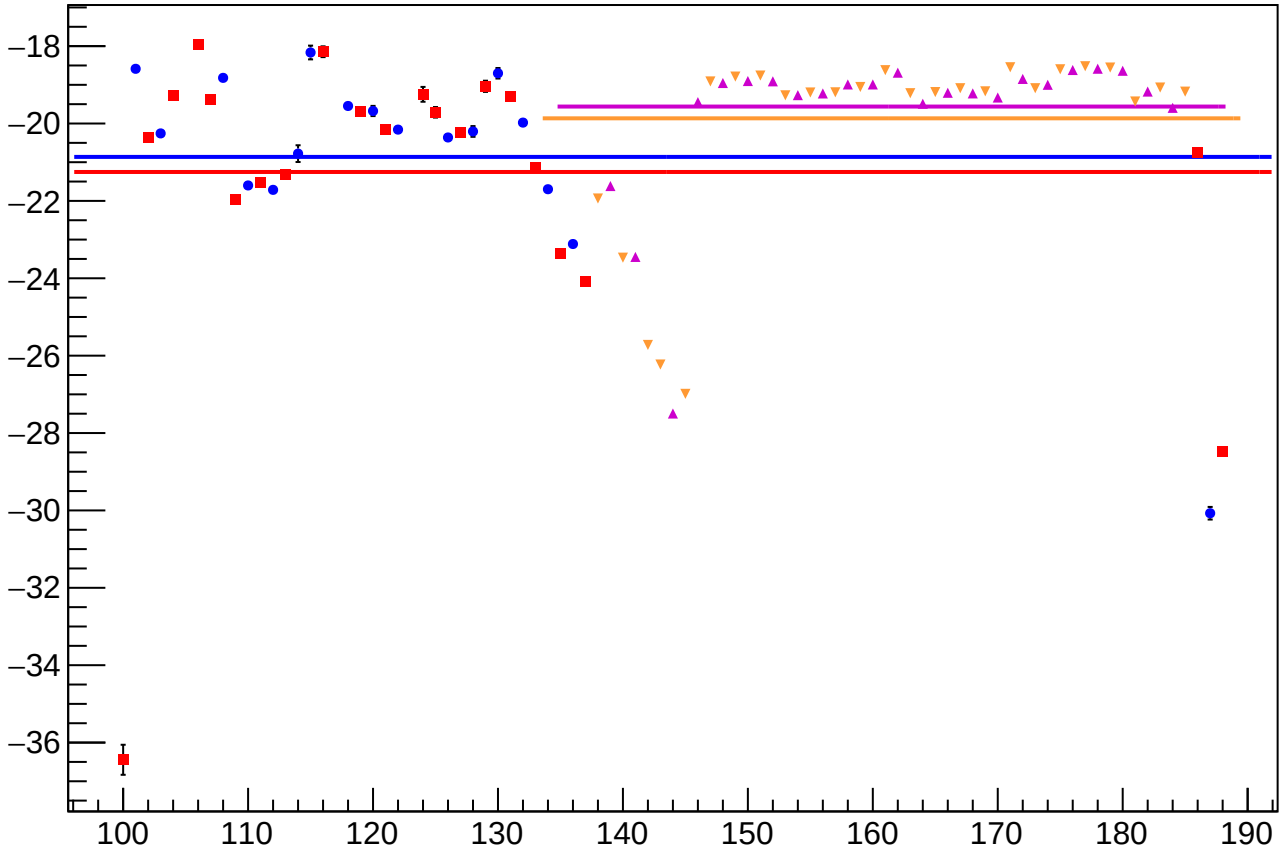
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

\+ sign 8.250+/-0.155 χ^2/NDF: 2172.4/41

All: 8.211+/-0.110 χ^2/NDF: 3903.6/85

\- sign 8.170+/-0.157 χ^2/NDF: 1731.1/43

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.863+/-0.019 χ^2/NDF: 10864.6/16

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.253+/-0.019 χ^2/NDF: 18743.9/20

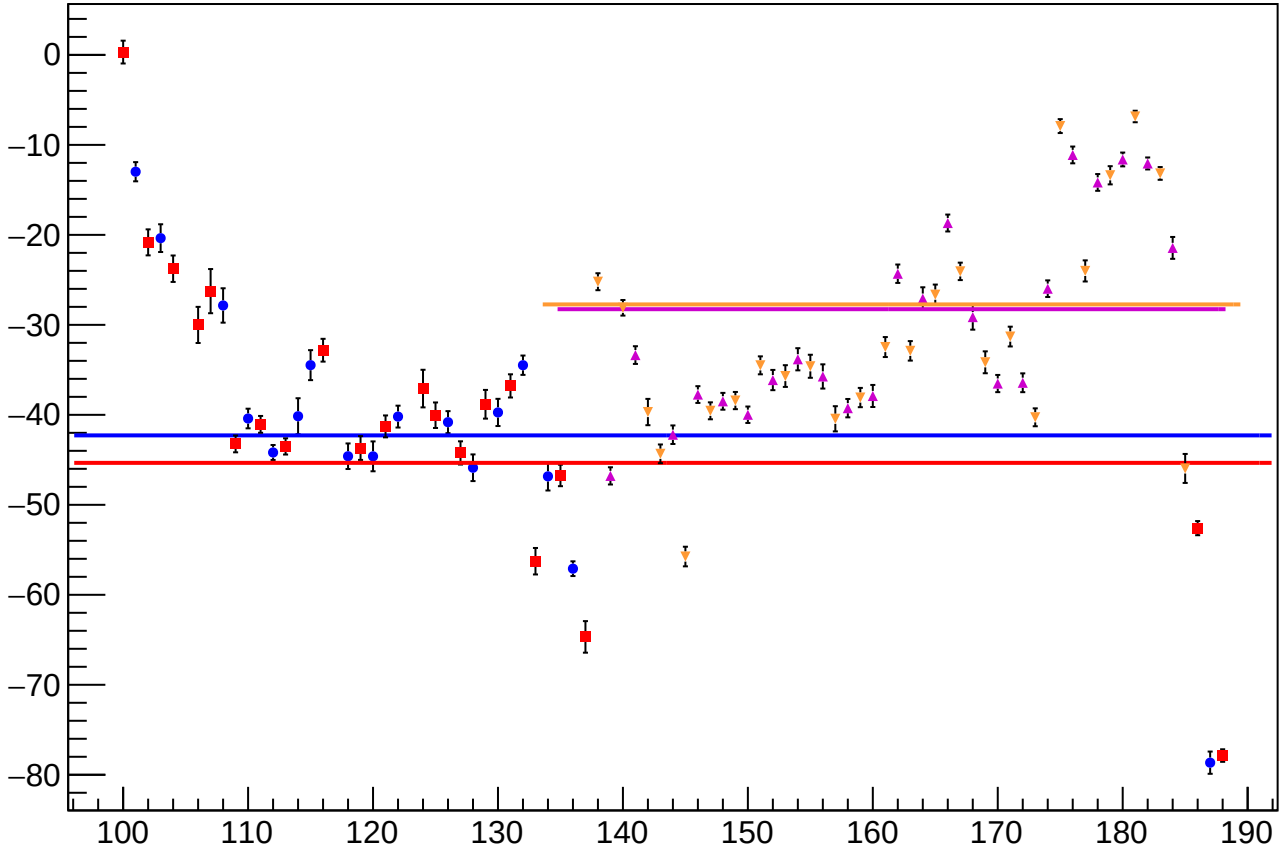
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.008+/-0.007 χ^2/NDF: 92050.3/41

All: -19.910+/-0.005 χ^2/NDF: 162965.2/85

- sign -19.810+/-0.007 χ^2/NDF: 70547.1/43

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -42.284+/-0.302 χ^2/NDF: 2319.4/16

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -45.337+/-0.259 χ^2/NDF: 4592.8/20

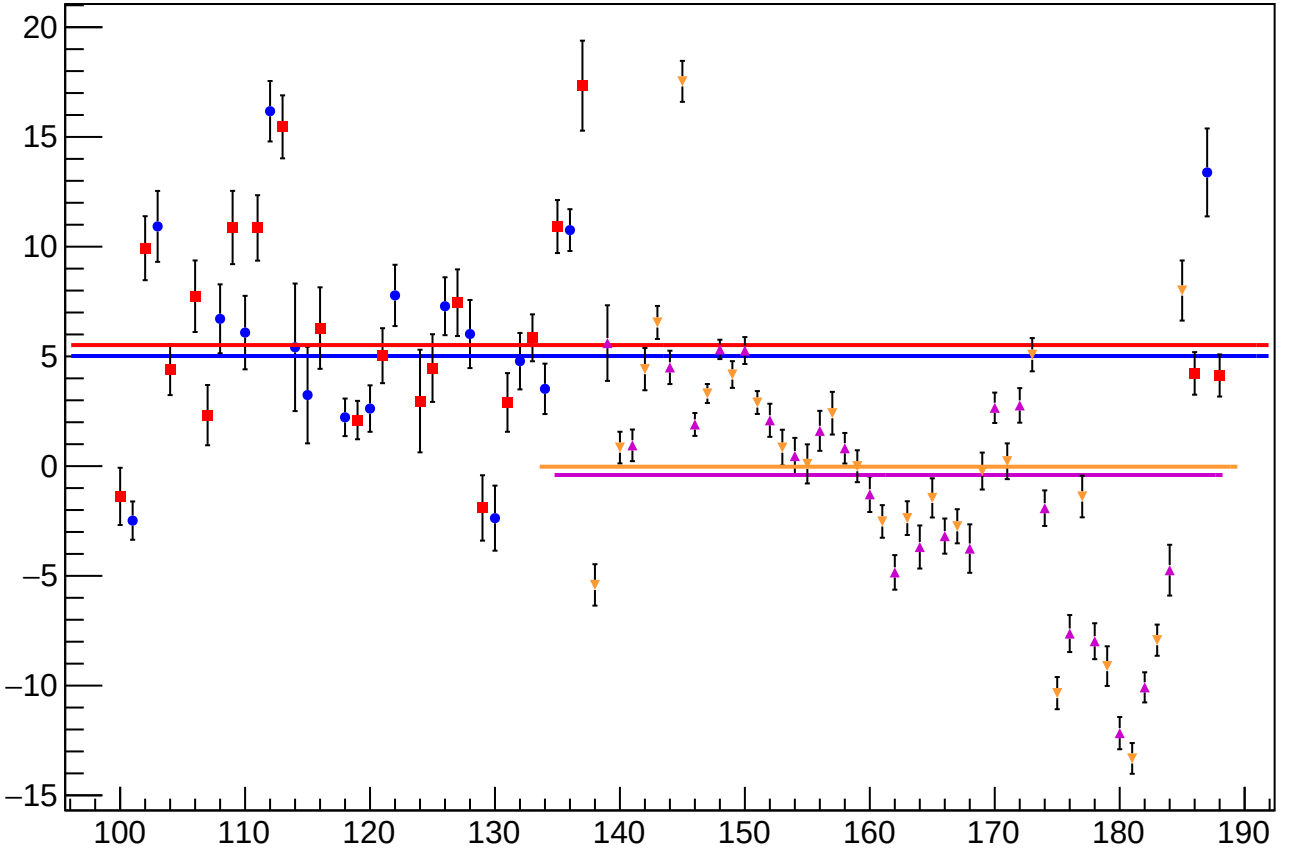
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.196+/-0.167 χ^2/NDF: 8232.3/41

All: -33.580+/-0.116 χ^2/NDF: 18785.8/85

- sign -34.870+/-0.161 χ^2/NDF: 10421.0/43

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.017+/-0.313 χ^2/NDF: 258.4/16

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.516+/-0.286 χ^2/NDF: 221.1/20

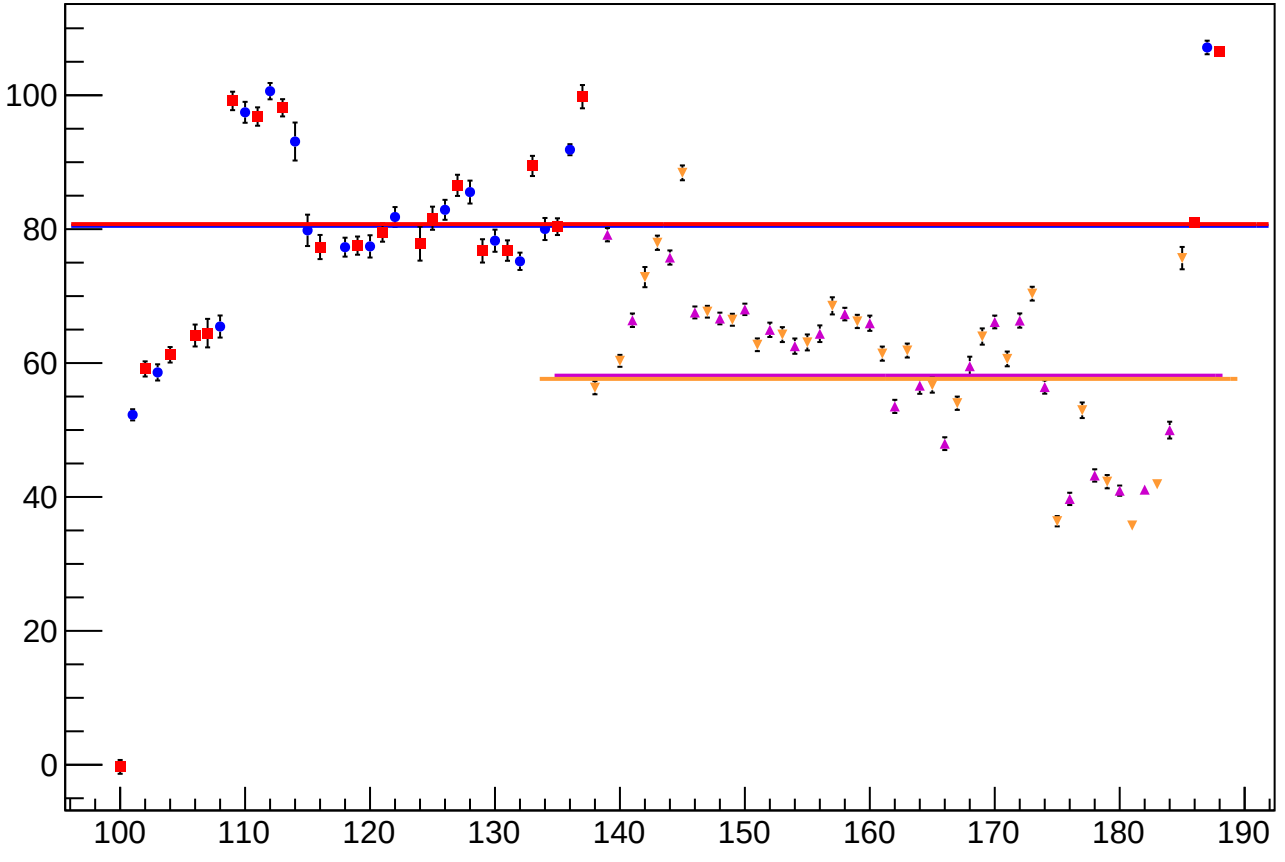
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 0.921+/-0.135 χ^2/NDF: 2001.6/41

All: 0.934+/-0.096 χ^2/NDF: 3637.5/85

- sign 0.946+/-0.137 χ^2/NDF: 1635.9/43

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 80.498+/-0.320 χ^2/NDF: 2883.4/16

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 80.755+/-0.259 χ^2/NDF: 9774.3/20

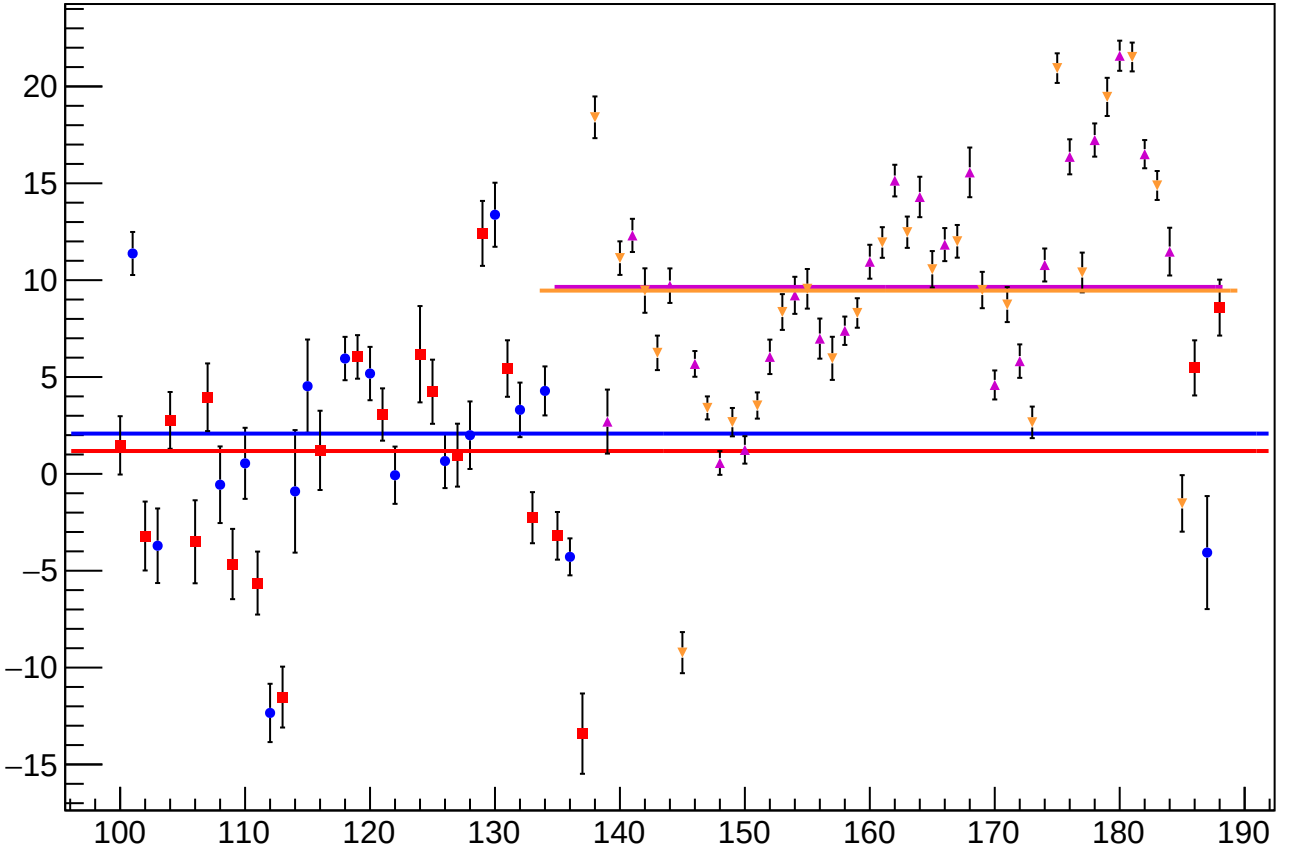
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

\+ sign 64.021+/-0.169 χ^2/NDF: 11170.7/41

All: 65.469+/-0.116 χ^2/NDF: 29240.9/85

\- sign 66.768+/-0.160 χ^2/NDF: 17931.2/43

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.079+/-0.361 χ^2/NDF: 294.8/16

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 1.180+/-0.341 χ^2/NDF: 293.7/20

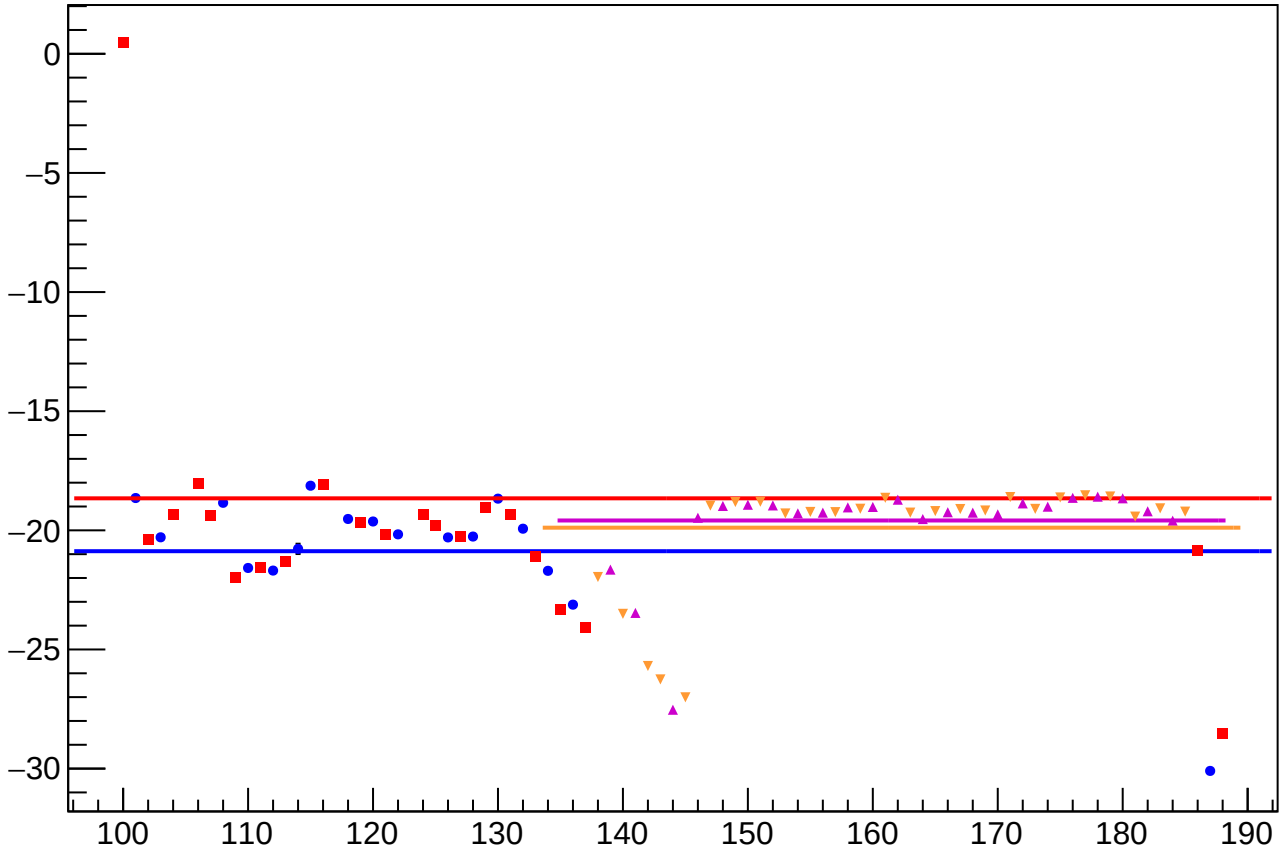
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

\+ sign 8.099+/-0.155 χ^2/NDF: 2119.2/41

All: 7.979+/-0.110 χ^2/NDF: 3979.5/85

\- sign 7.857+/-0.157 χ^2/NDF: 1859.1/43

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.875+/-0.019 χ^2/NDF: 10746.2/16

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.657+/-0.018 χ^2/NDF: 168554.8/20

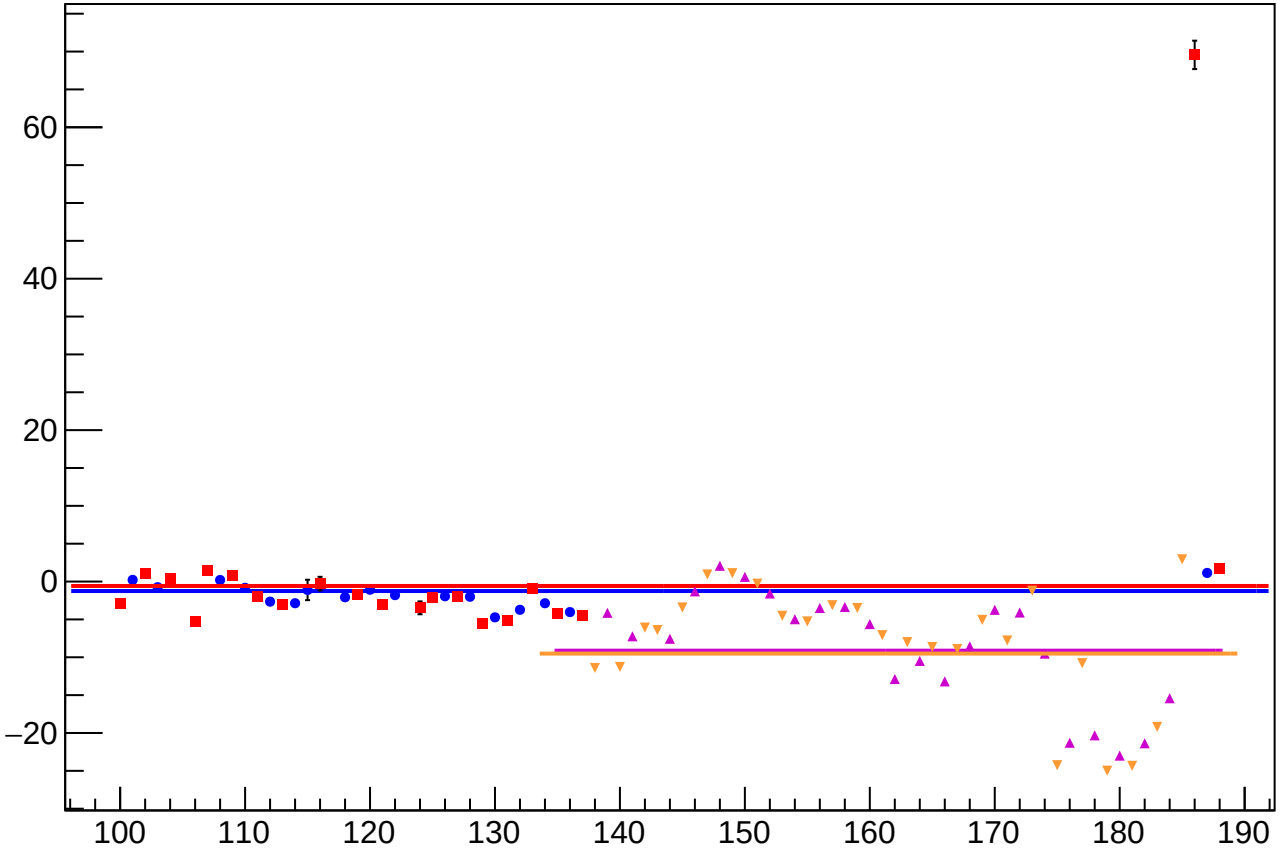
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.029+/-0.007 χ^2/NDF: 91496.2/41

All: -19.732+/-0.005 χ^2/NDF: 310680.8/85

- sign -19.435+/-0.007 χ^2/NDF: 215858.7/43

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.251+/-0.054 χ^2/NDF: 631.3/16

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -0.582+/-0.049 χ^2/NDF: 2976.5/20

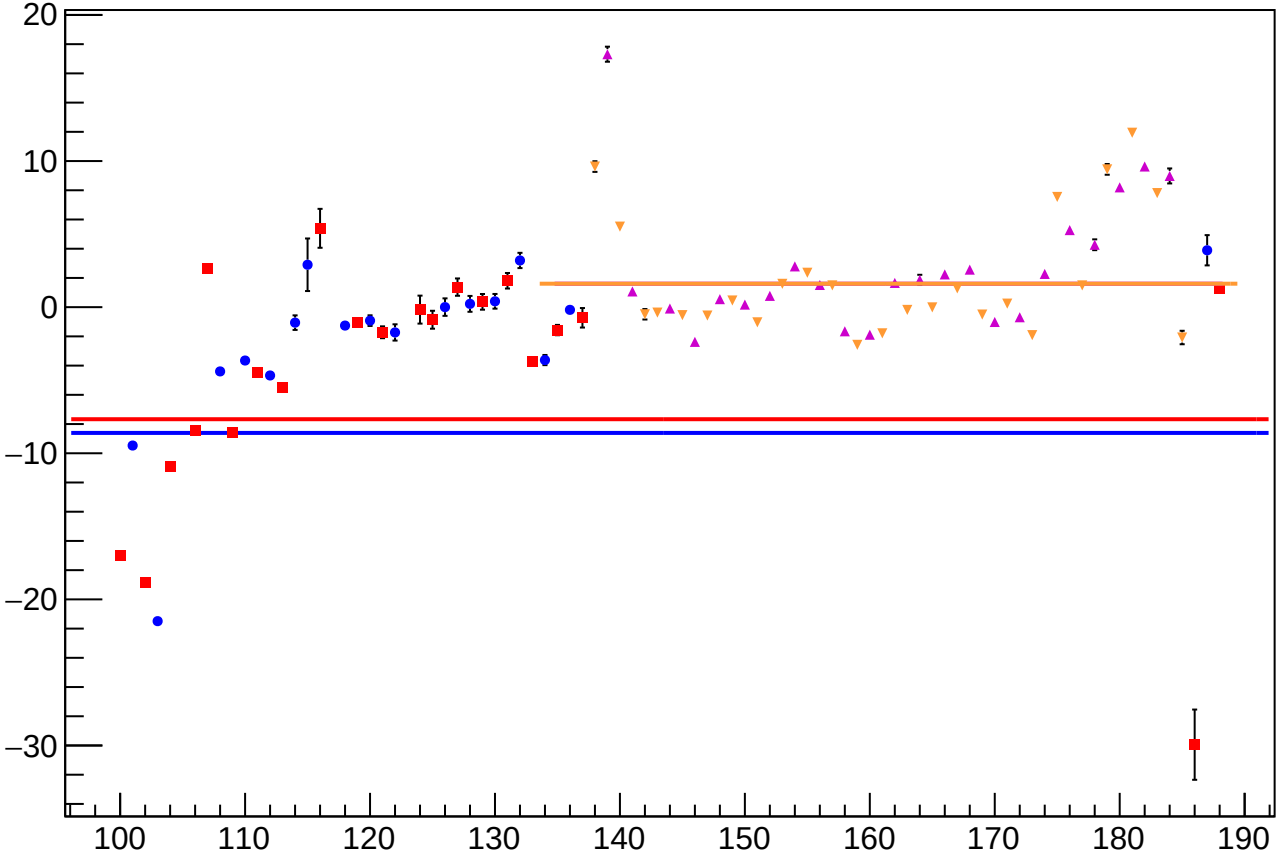
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.214+/-0.044 χ^2/NDF: 21842.8/41

All: -3.653+/-0.030 χ^2/NDF: 44662.7/85

- sign -3.155+/-0.041 χ^2/NDF: 22505.9/43

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.607+/-0.057 χ^2/NDF: 13973.8/16

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -7.669+/-0.056 χ^2/NDF: 15662.2/20

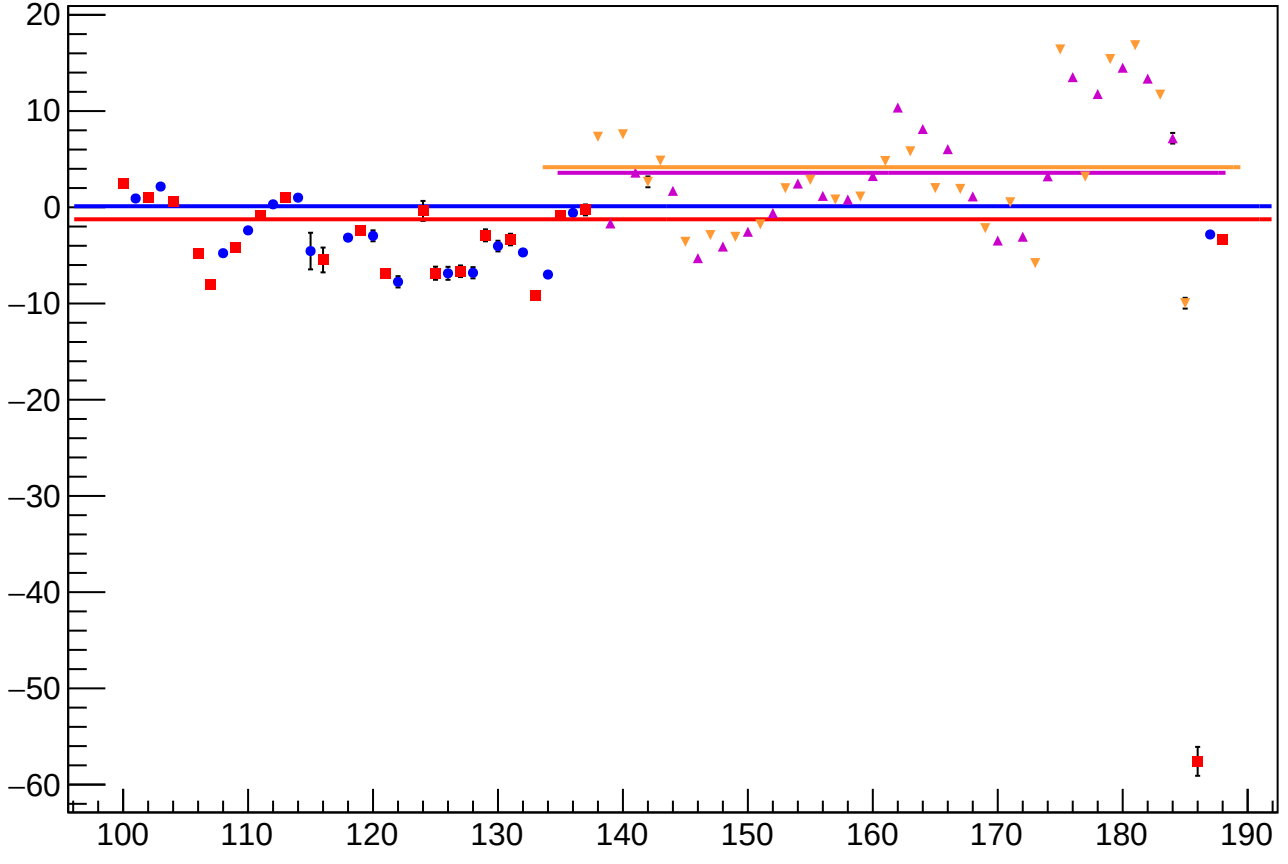
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -3.348+/-0.040 χ^2/NDF: 35269.2/41

All: -3.251+/-0.028 χ^2/NDF: 67857.4/85

- sign -3.150+/-0.040 χ^2/NDF: 32575.9/43

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.110+/-0.053 χ^2/NDF: 1993.0/16

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

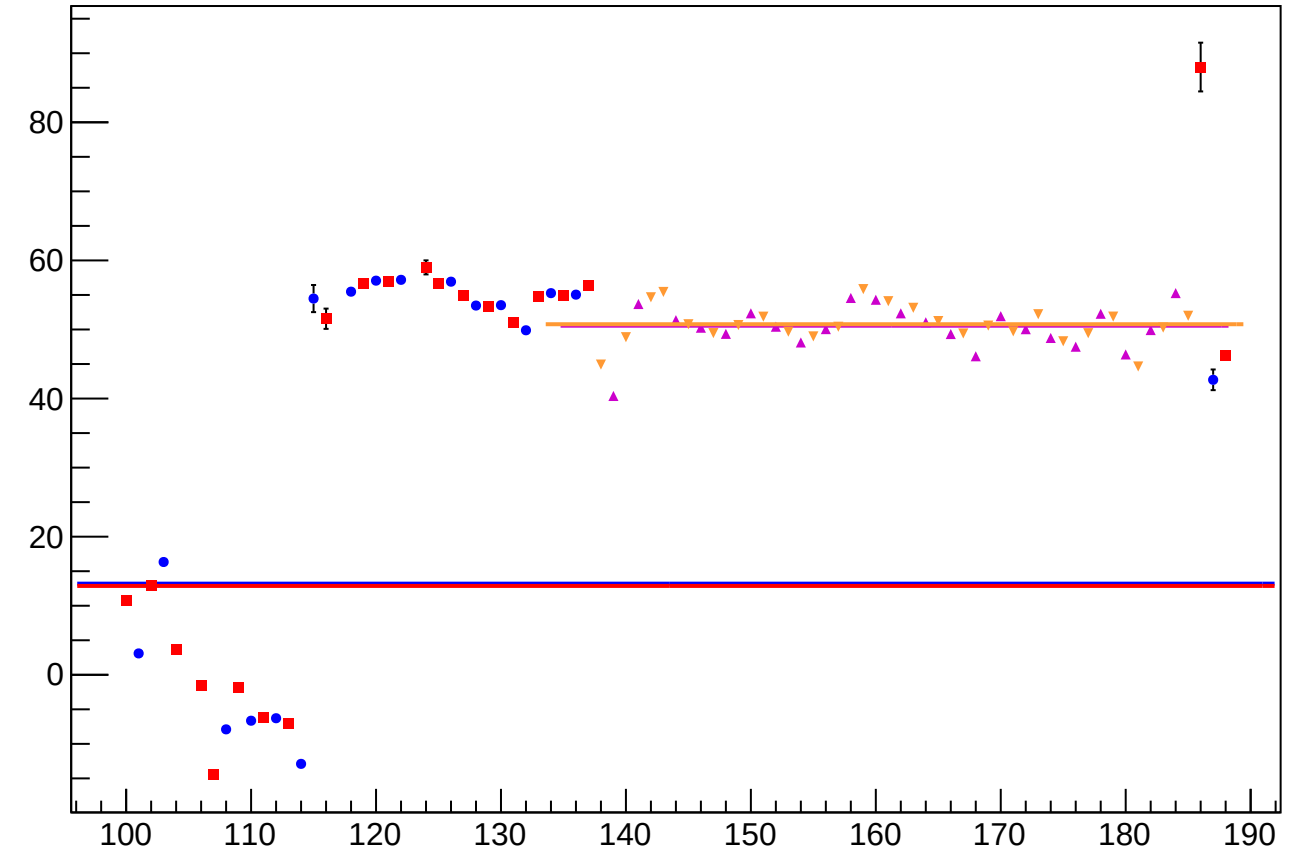
Right Out: -1.247+/-0.050 χ^2/NDF: 4639.7/20

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.521+/-0.043 χ^2/NDF: 13303.9/41

All: 0.887+/-0.030 χ^2/NDF: 28525.8/85

- sign 0.280+/-0.042 χ^2/NDF: 14786.4/43



Right In: 13.197+/-0.068 χ^2/NDF: 108964.1/16

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 12.870+/-0.067 χ^2/NDF: 126241.1/20

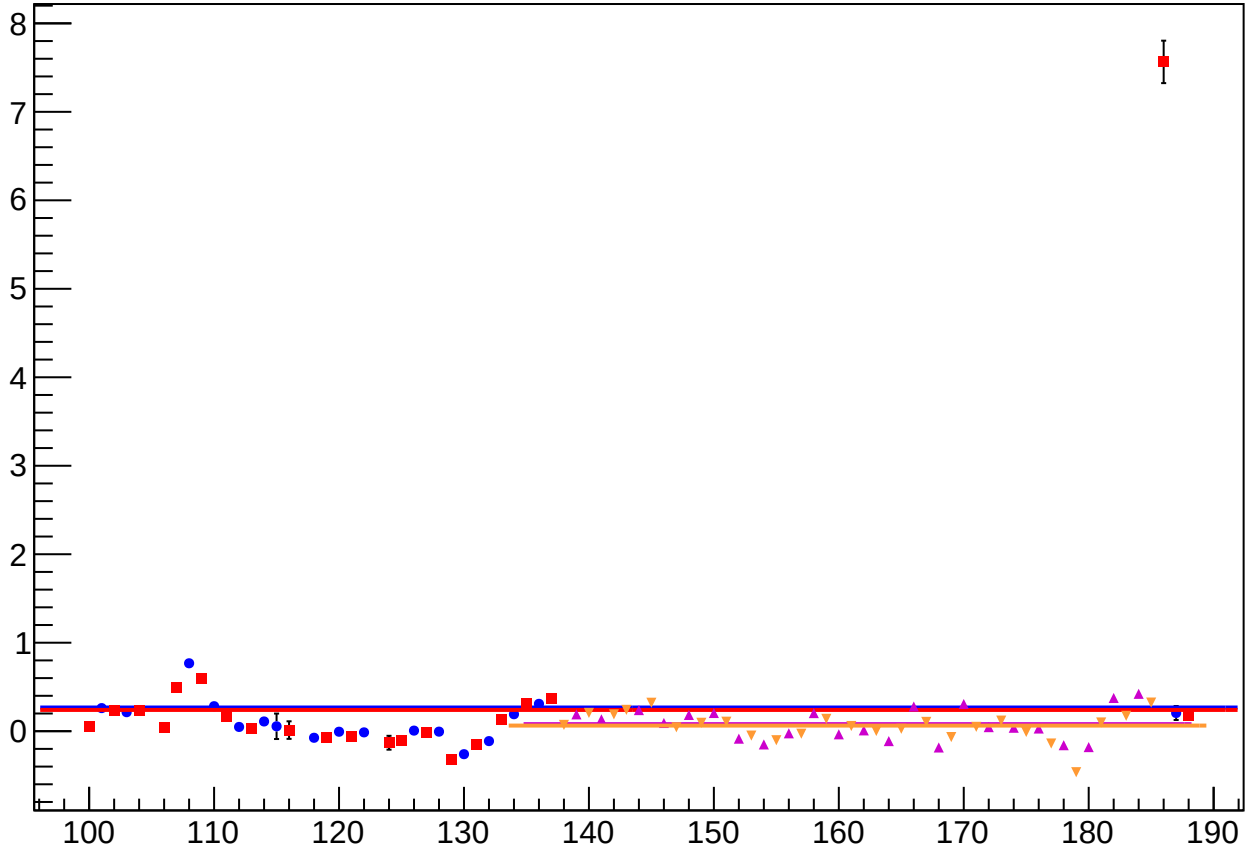
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

\+ sign 33.543+/-0.046 χ^2/NDF: 276616.0/41

All: 32.928+/-0.033 χ^2/NDF: 568887.3/85

\- sign 32.297+/-0.047 χ^2/NDF: 291908.3/43

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3721.0/16

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

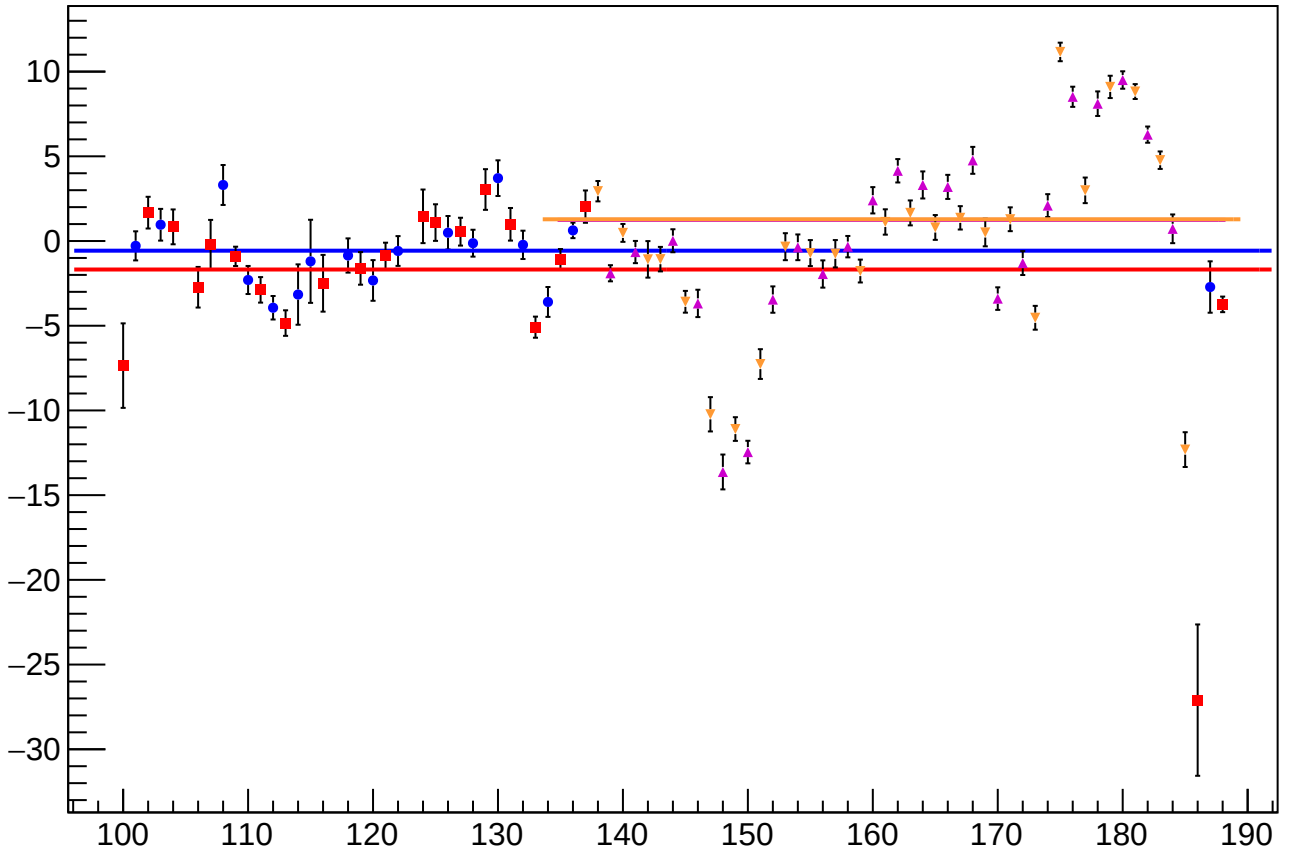
Right Out: 0.240+/-0.003 χ^2/NDF: 3284.8/20

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.165+/-0.002 χ^2/NDF: 8964.2/41

All: 0.164+/-0.001 χ^2/NDF: 17377.7/85

- sign 0.163+/-0.002 χ^2/NDF: 8413.0/43



Right In: -0.570+/-0.215 χ^2/NDF: 84.8/16

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.682+/-0.187 χ^2/NDF: 188.4/20

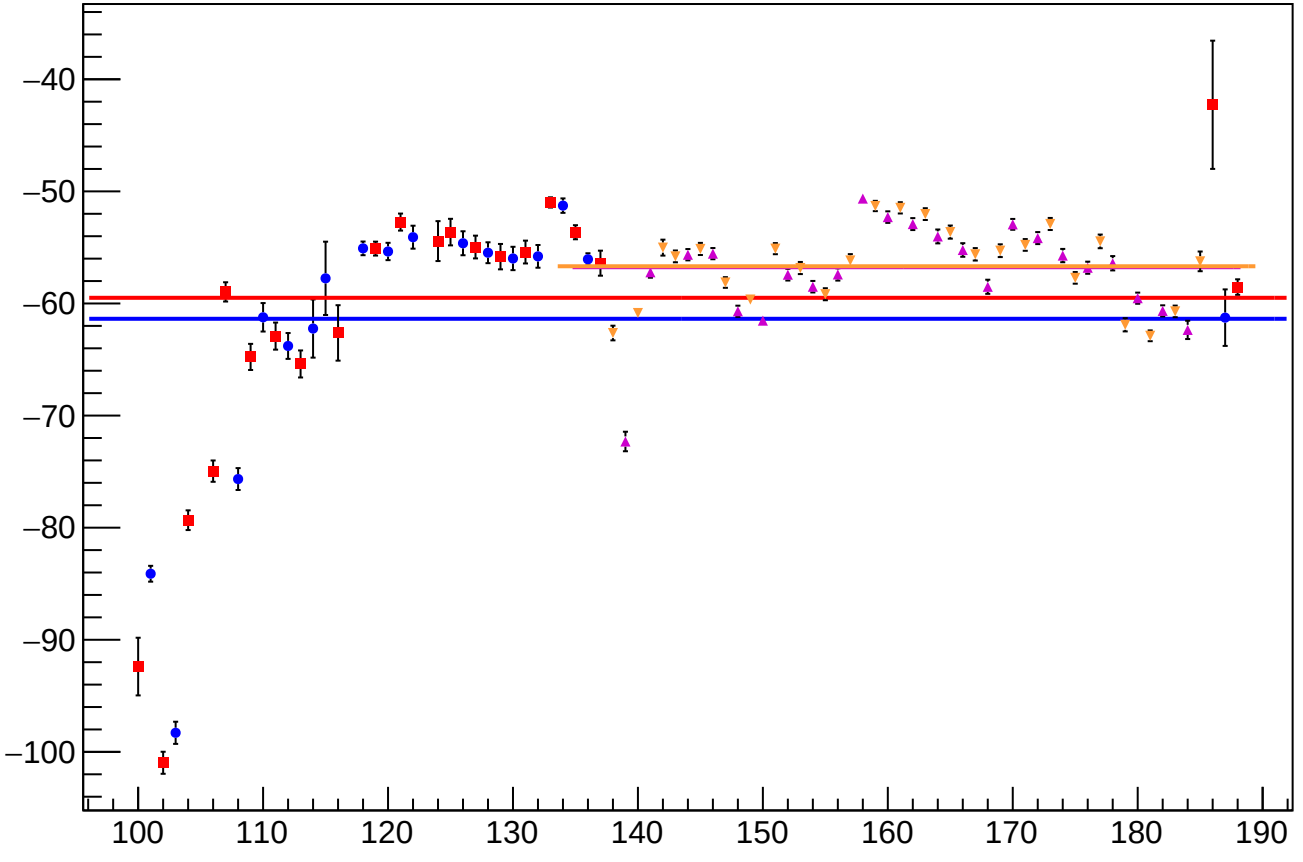
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.748+/-0.115 χ^2/NDF: 1853.2/41

All: 0.460+/-0.080 χ^2/NDF: 3723.1/85

- sign 0.189+/-0.112 χ^2/NDF: 1857.9/43

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.366+/-0.218 χ^2/NDF: 3351.2/16

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -59.494+/-0.198 χ^2/NDF: 3432.5/20

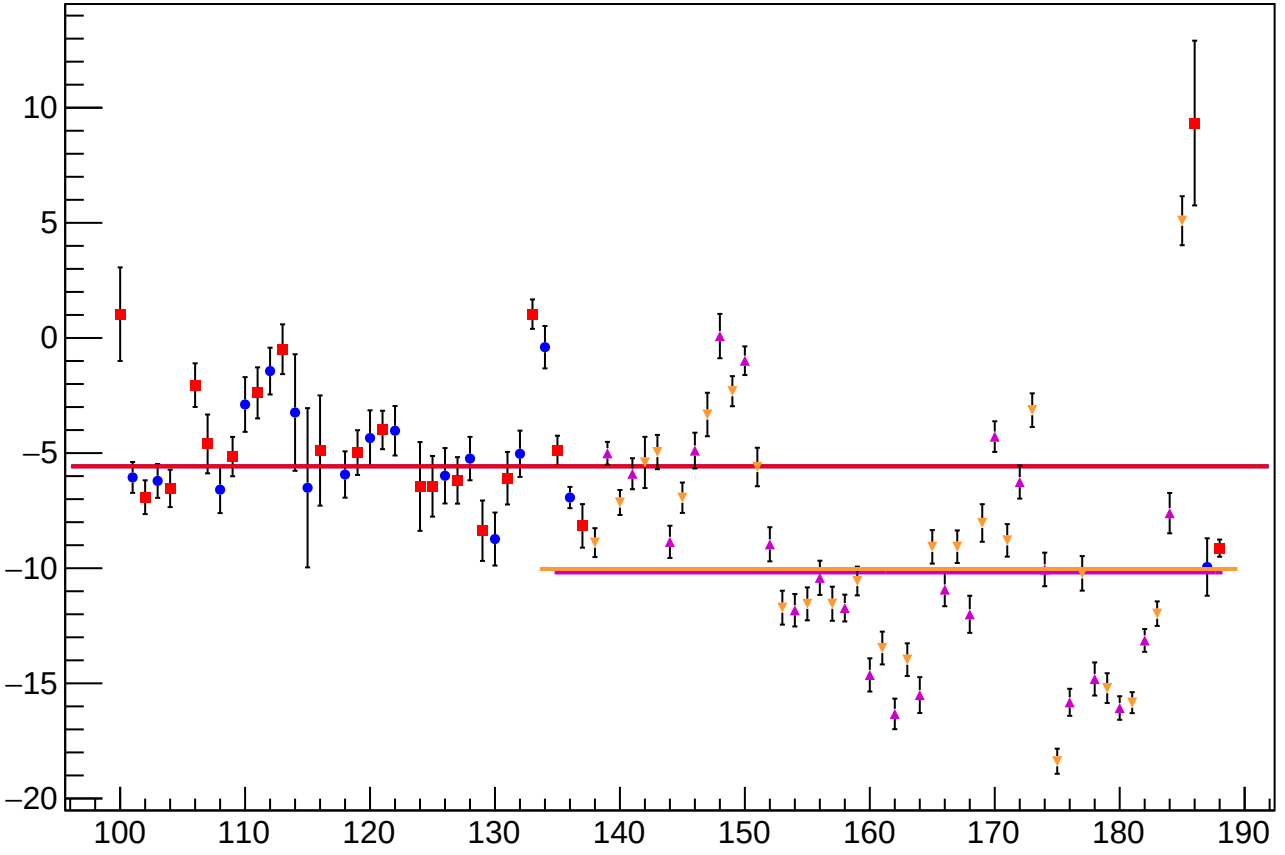
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -57.592+/-0.096 χ^2/NDF: 4737.2/41

All: -57.510+/-0.068 χ^2/NDF: 9424.1/85

- sign -57.427+/-0.097 χ^2/NDF: 4685.4/43

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.574+/-0.226 χ^2/NDF: 88.7/16

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.575+/-0.191 χ^2/NDF: 293.8/20

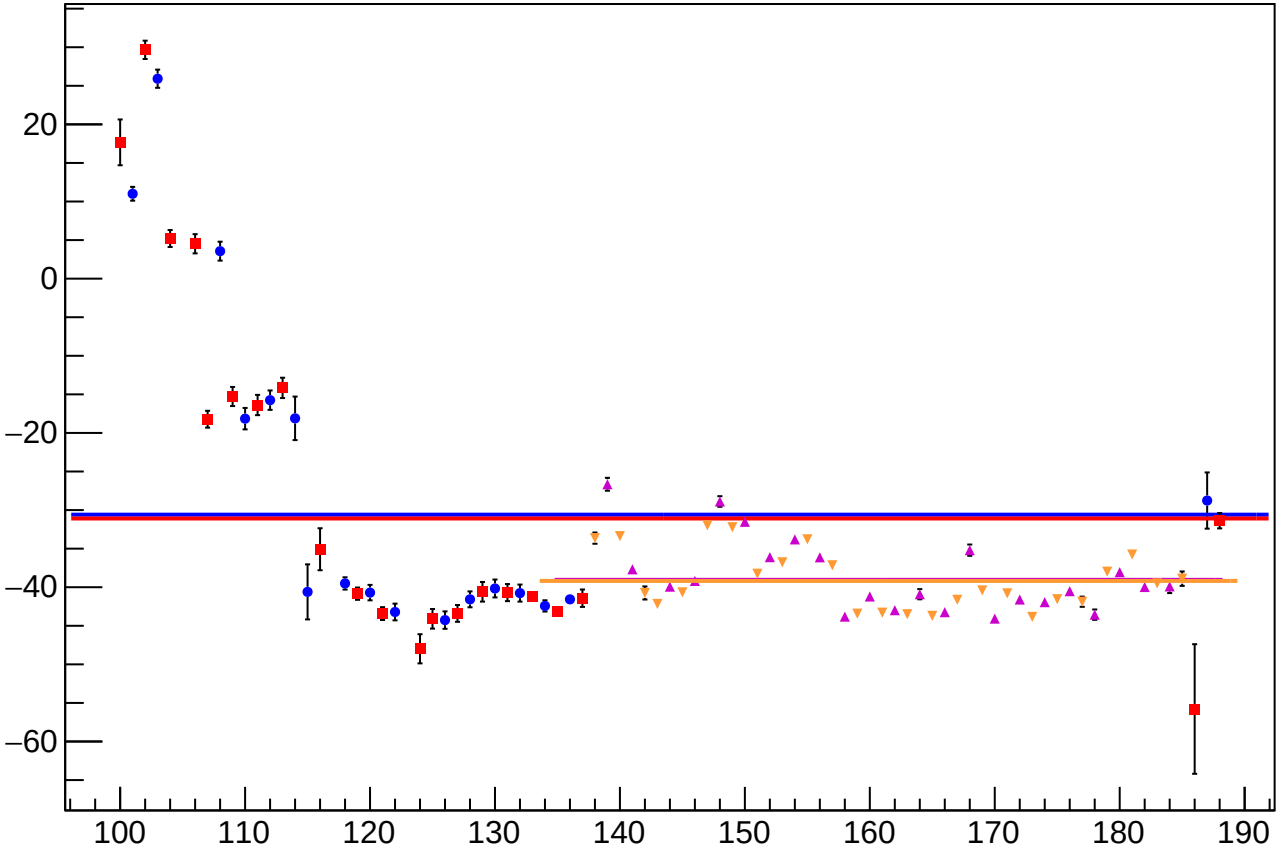
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.846+/-0.117 χ^2/NDF: 1556.5/41

All: -8.711+/-0.081 χ^2/NDF: 3376.4/85

- sign -8.585+/-0.112 χ^2/NDF: 1817.3/43

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -30.596+/-0.249 χ^2/NDF: 6938.3/16

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -31.092+/-0.231 χ^2/NDF: 6985.2/20

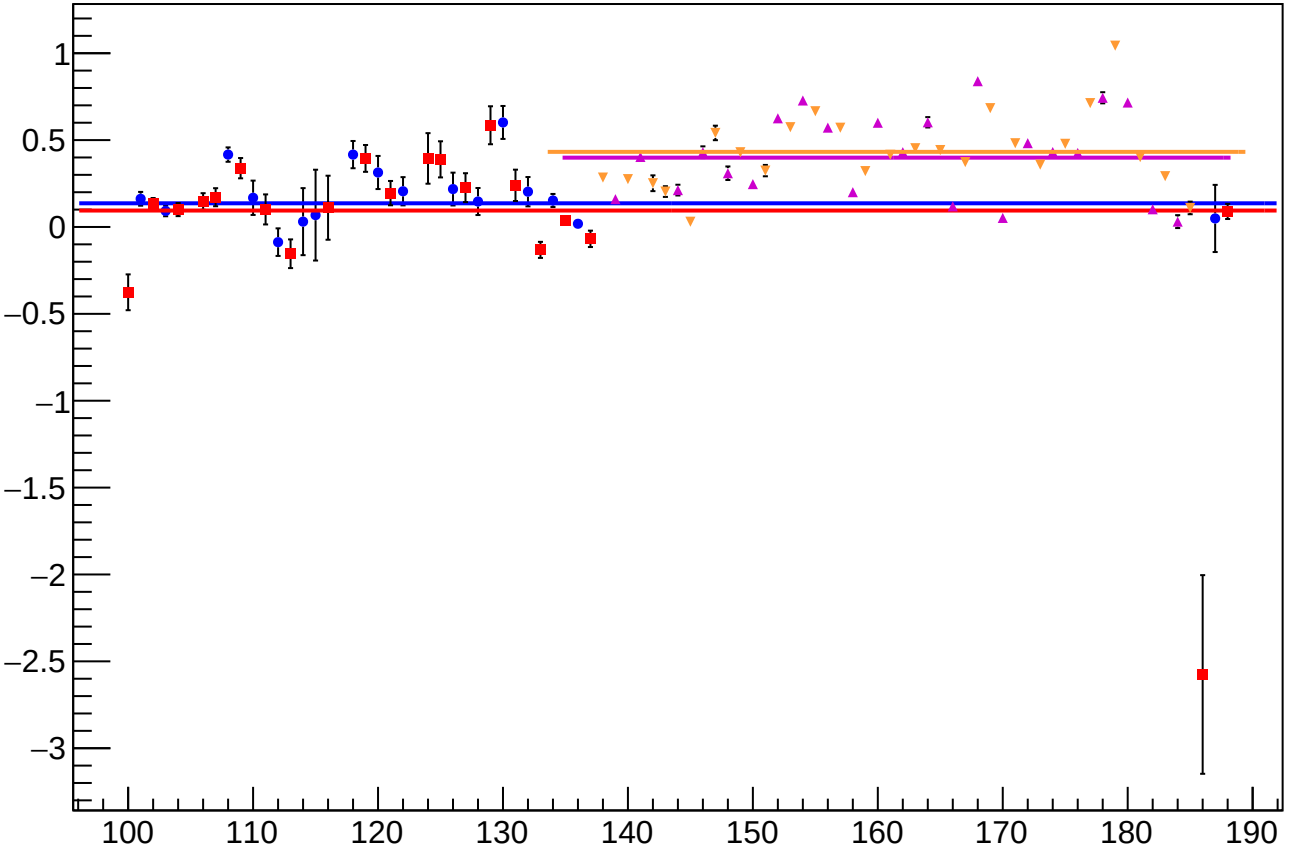
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -37.563+/-0.108 χ^2/NDF: 8938.5/41

All: -37.414+/-0.077 χ^2/NDF: 18071.8/85

- sign -37.262+/-0.109 χ^2/NDF: 9129.5/43

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.136+/-0.012 χ^2/NDF: 129.5/16

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.095+/-0.012 χ^2/NDF: 169.6/20

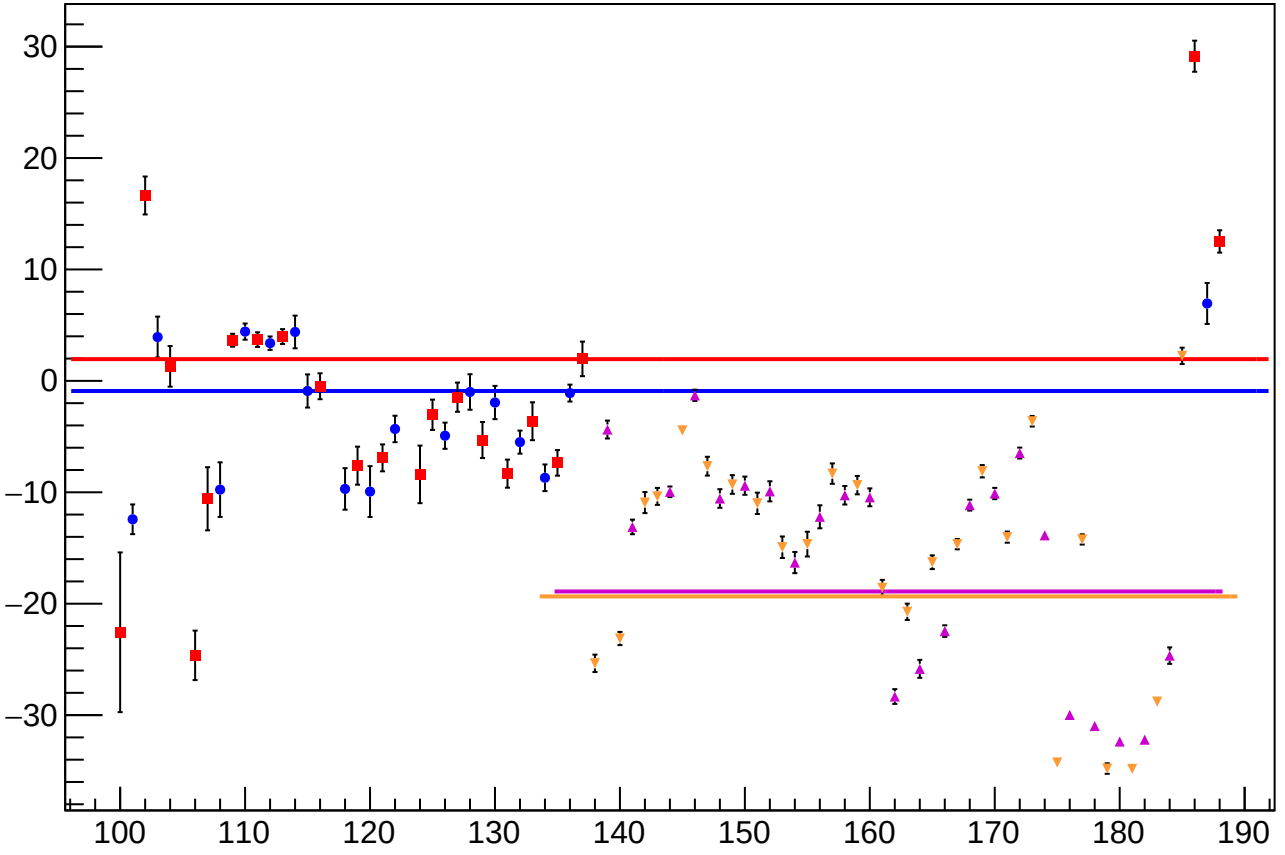
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.387+/-0.005 χ^2/NDF: 1975.0/41

All: 0.367+/-0.003 χ^2/NDF: 4647.4/85

- sign 0.348+/-0.005 χ^2/NDF: 2639.9/43

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -0.909+/-0.277 χ^2/NDF: 350.7/16

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 1.950+/-0.253 χ^2/NDF: 1053.8/20

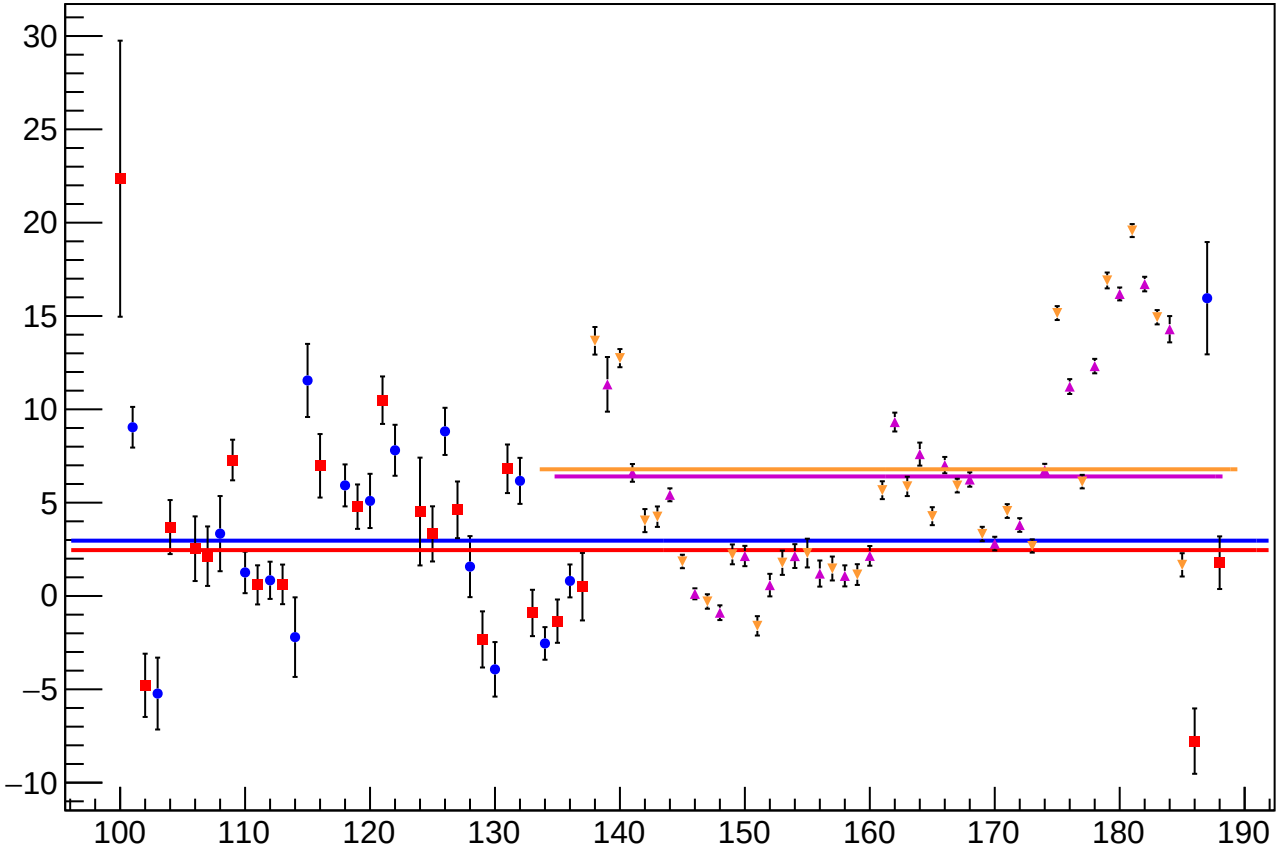
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.708+/-0.105 χ^2/NDF: 14531.9/41

All: -15.995+/-0.074 χ^2/NDF: 29575.2/85

- sign -15.273+/-0.106 χ^2/NDF: 14950.3/43

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.964+/-0.312 χ^2/NDF: 218.4/16

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.458+/-0.309 χ^2/NDF: 180.7/20

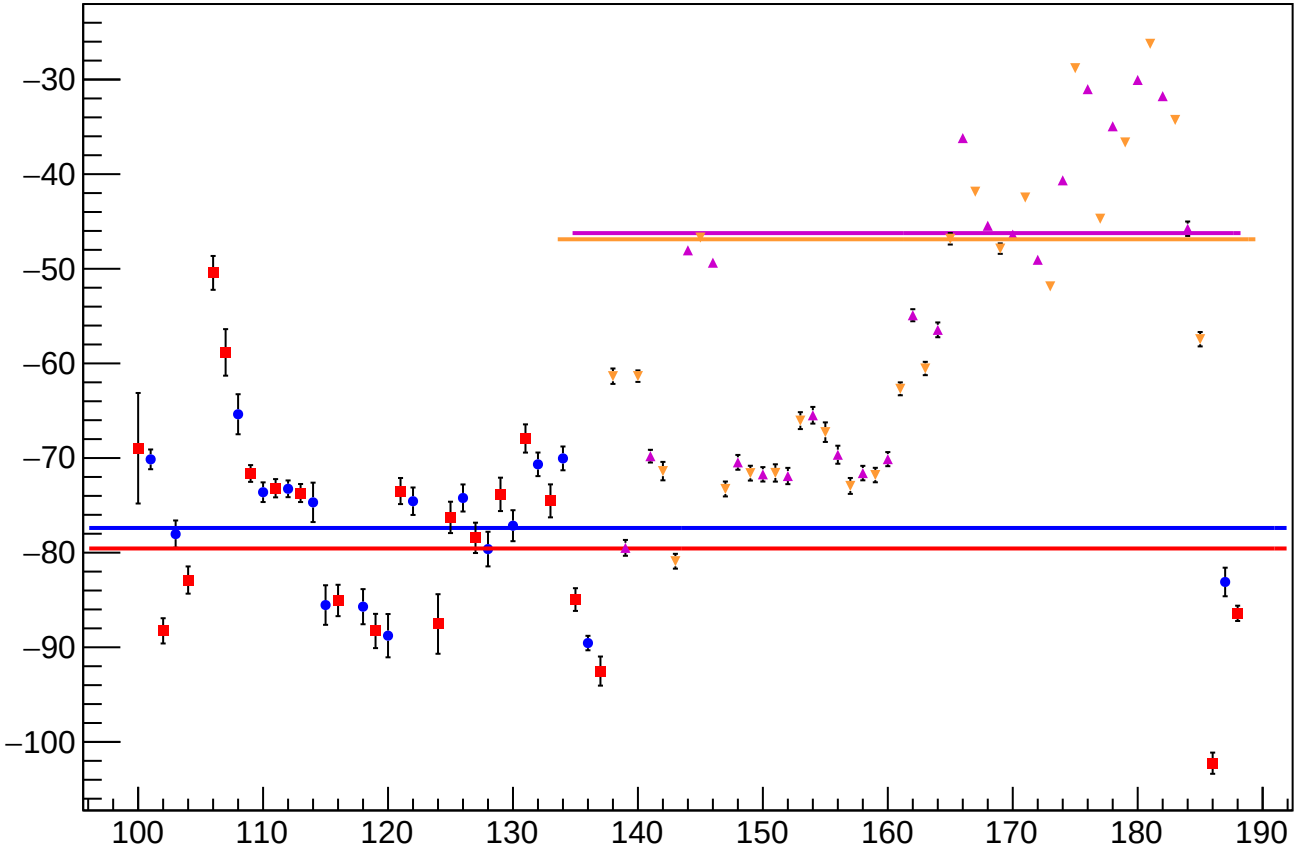
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.493+/-0.087 χ^2/NDF: 4989.8/41

All: 6.293+/-0.062 χ^2/NDF: 8741.6/85

- sign 6.088+/-0.087 χ^2/NDF: 3741.0/43

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -77.390+/-0.319 χ^2/NDF: 518.2/16

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -79.558+/-0.294 χ^2/NDF: 1266.3/20

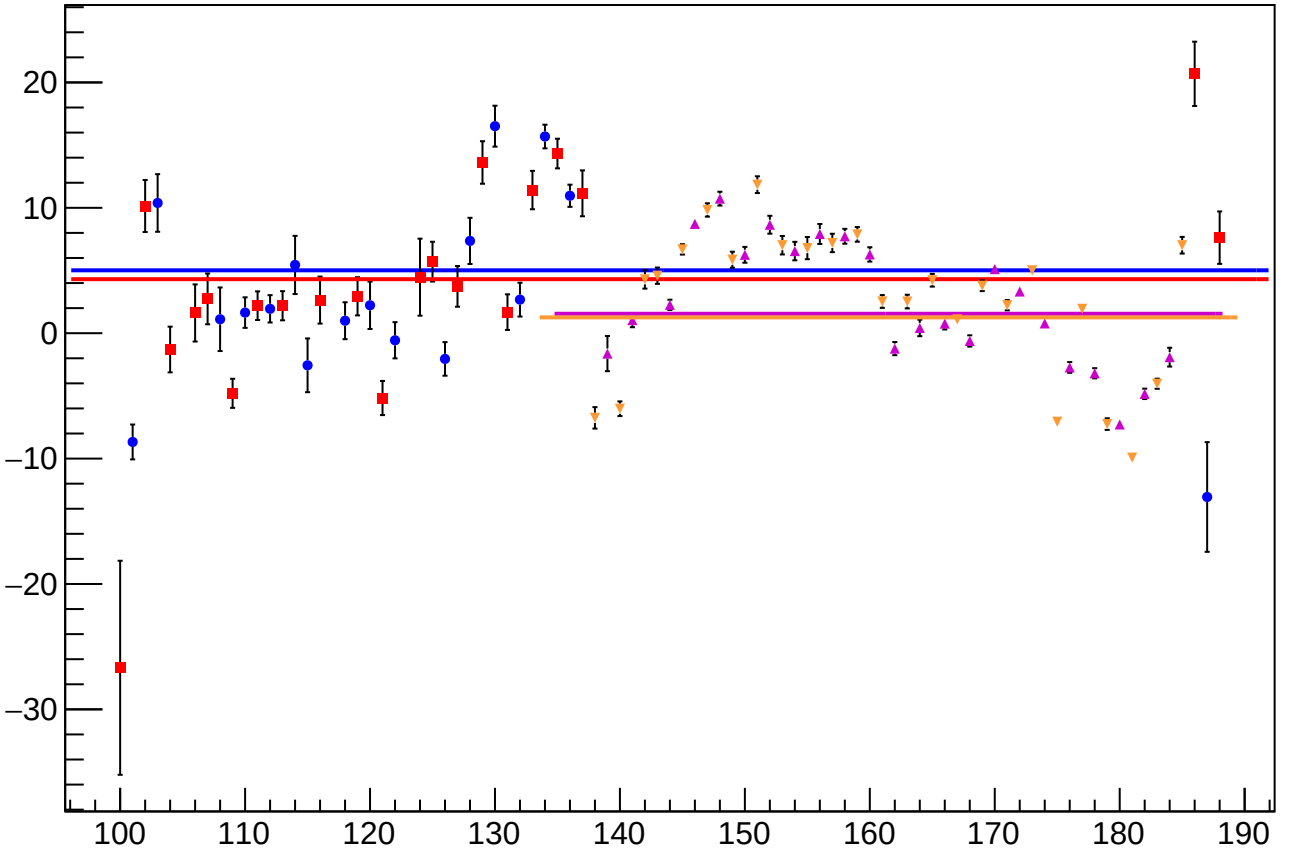
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

\+ sign -50.333+/-0.107 χ^2/NDF: 26607.5/41

All: -50.539+/-0.076 χ^2/NDF: 54183.4/85

\- sign -50.747+/-0.108 χ^2/NDF: 27568.6/43

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.016+/-0.349 χ^2/NDF: 429.5/16

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 4.309+/-0.353 χ^2/NDF: 336.1/20

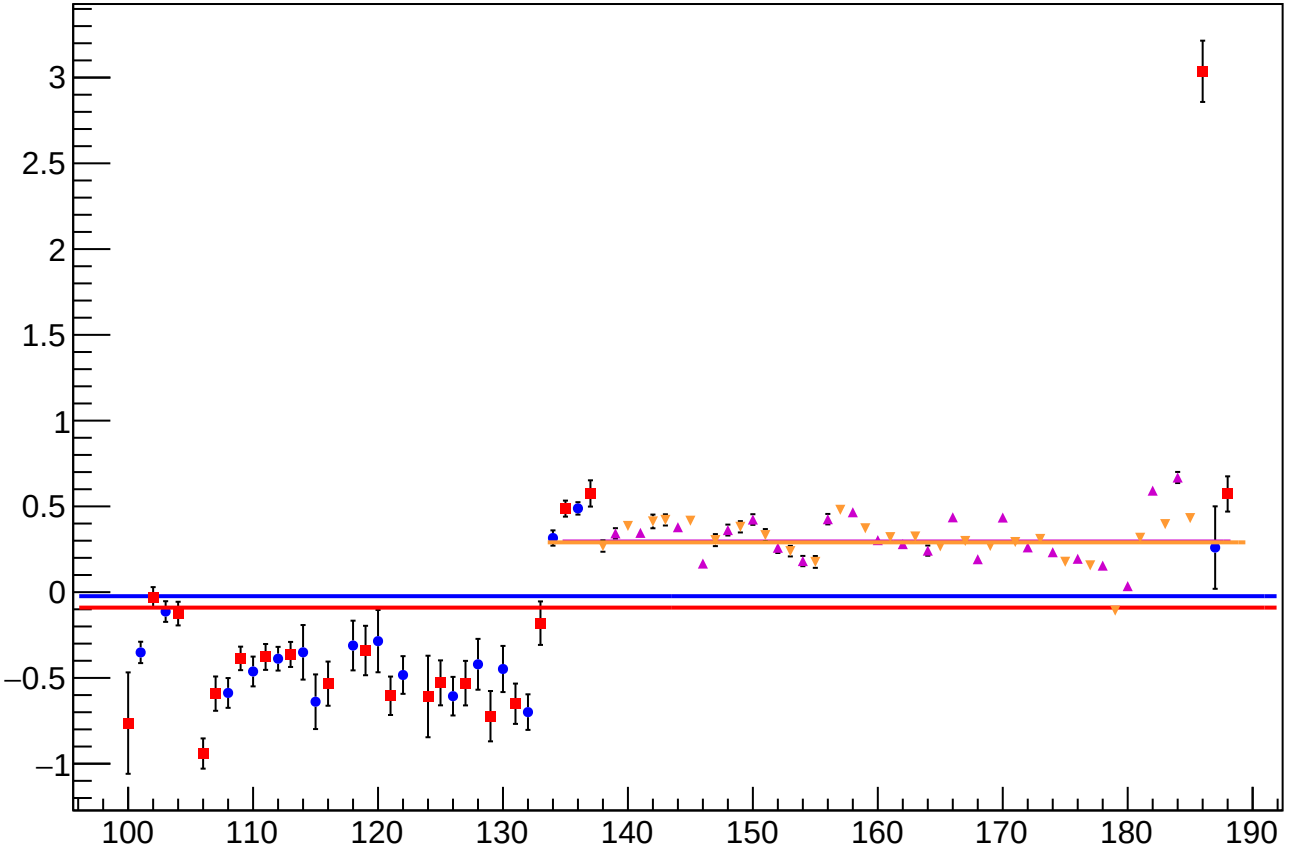
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.549+/-0.096 χ^2/NDF: 3982.3/41

All: 1.655+/-0.069 χ^2/NDF: 6713.0/85

- sign 1.764+/-0.098 χ^2/NDF: 2728.2/43

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.023+/-0.019 χ^2/NDF: 513.8/16

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.090+/-0.020 χ^2/NDF: 853.3/20

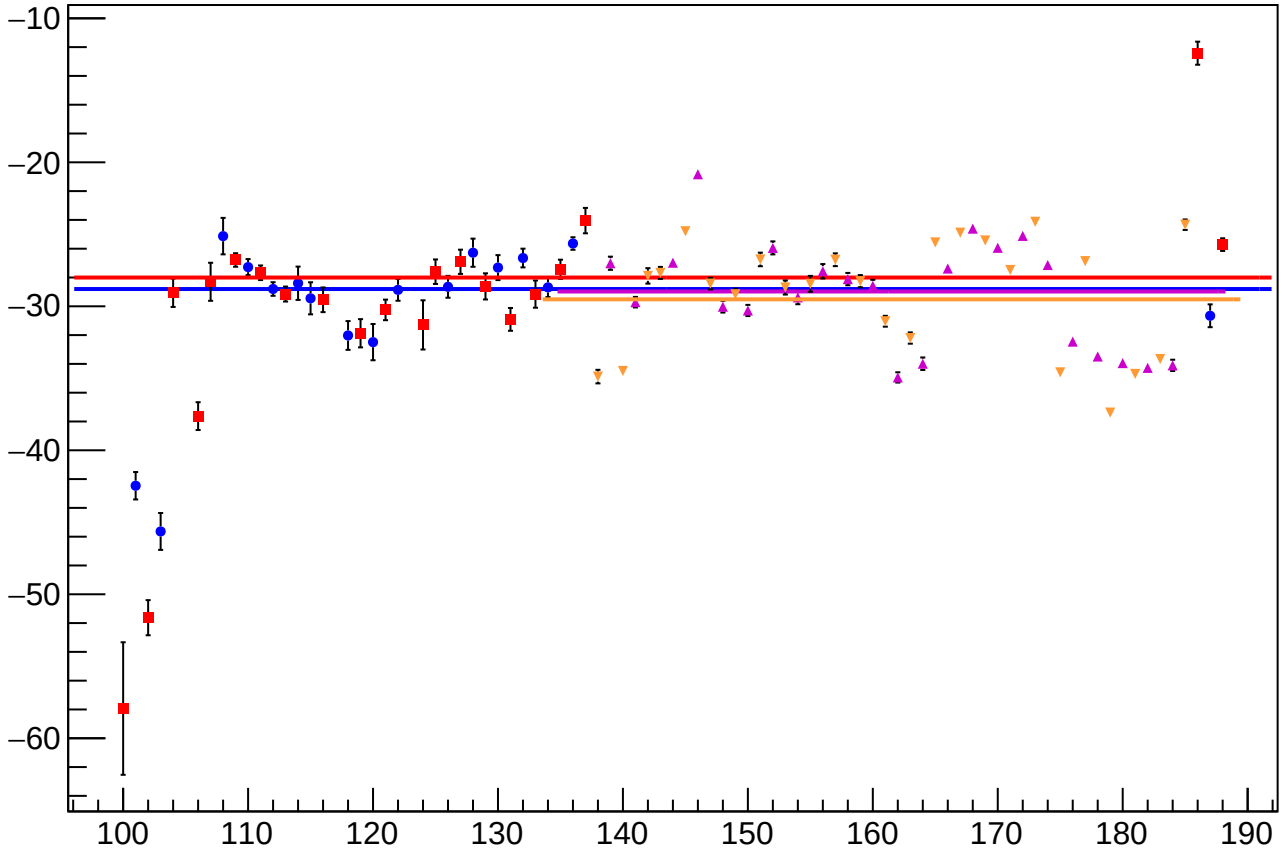
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.274+/-0.004 χ^2/NDF: 1494.6/41

All: 0.275+/-0.003 χ^2/NDF: 3746.4/85

- sign 0.276+/-0.004 χ^2/NDF: 2251.6/43

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.801+/-0.181 χ^2/NDF: 493.1/16

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.002+/-0.164 χ^2/NDF: 1005.5/20

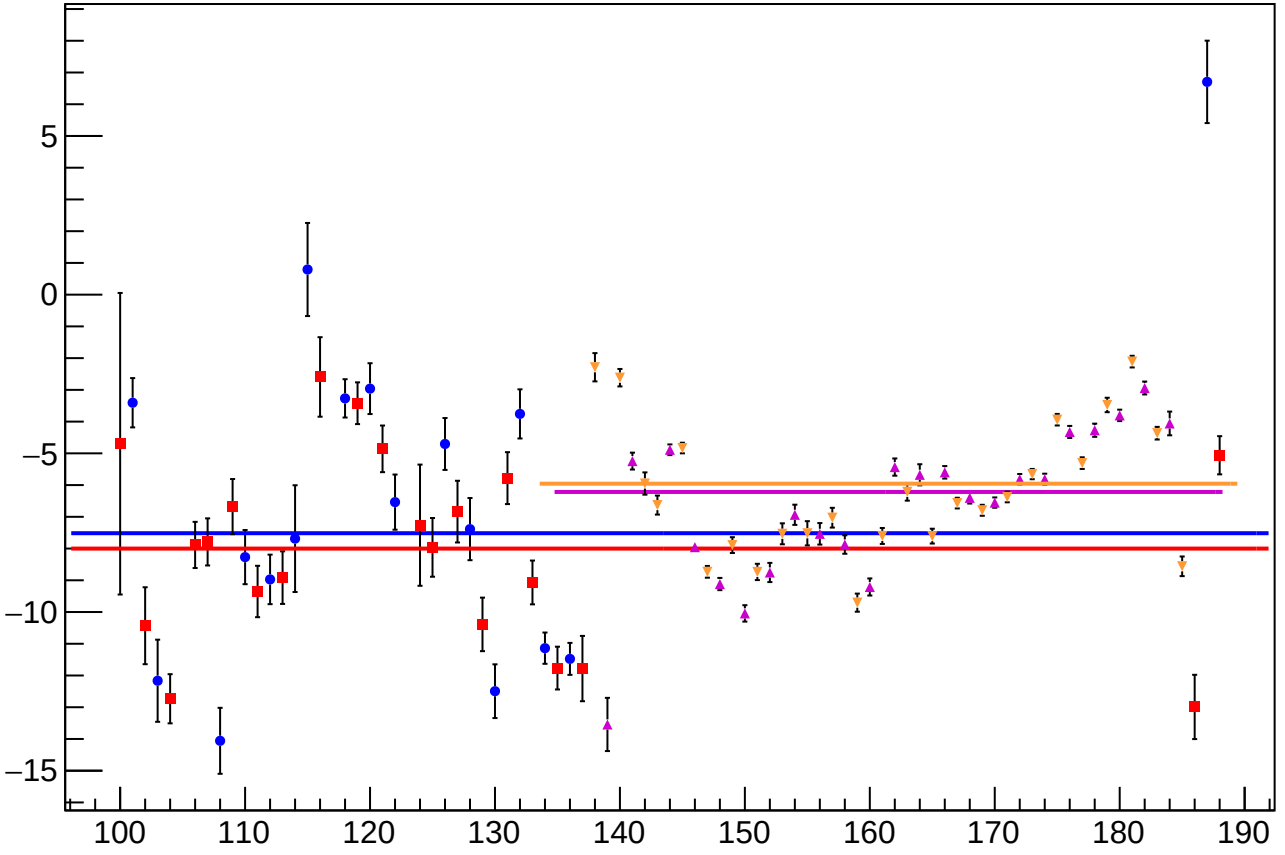
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.453+/-0.054 χ^2/NDF: 6595.8/41

All: -29.160+/-0.038 χ^2/NDF: 13040.4/85

- sign -28.866+/-0.054 χ^2/NDF: 6385.2/43

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.517+/-0.193 χ^2/NDF: 505.9/16

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.001+/-0.184 χ^2/NDF: 245.9/20

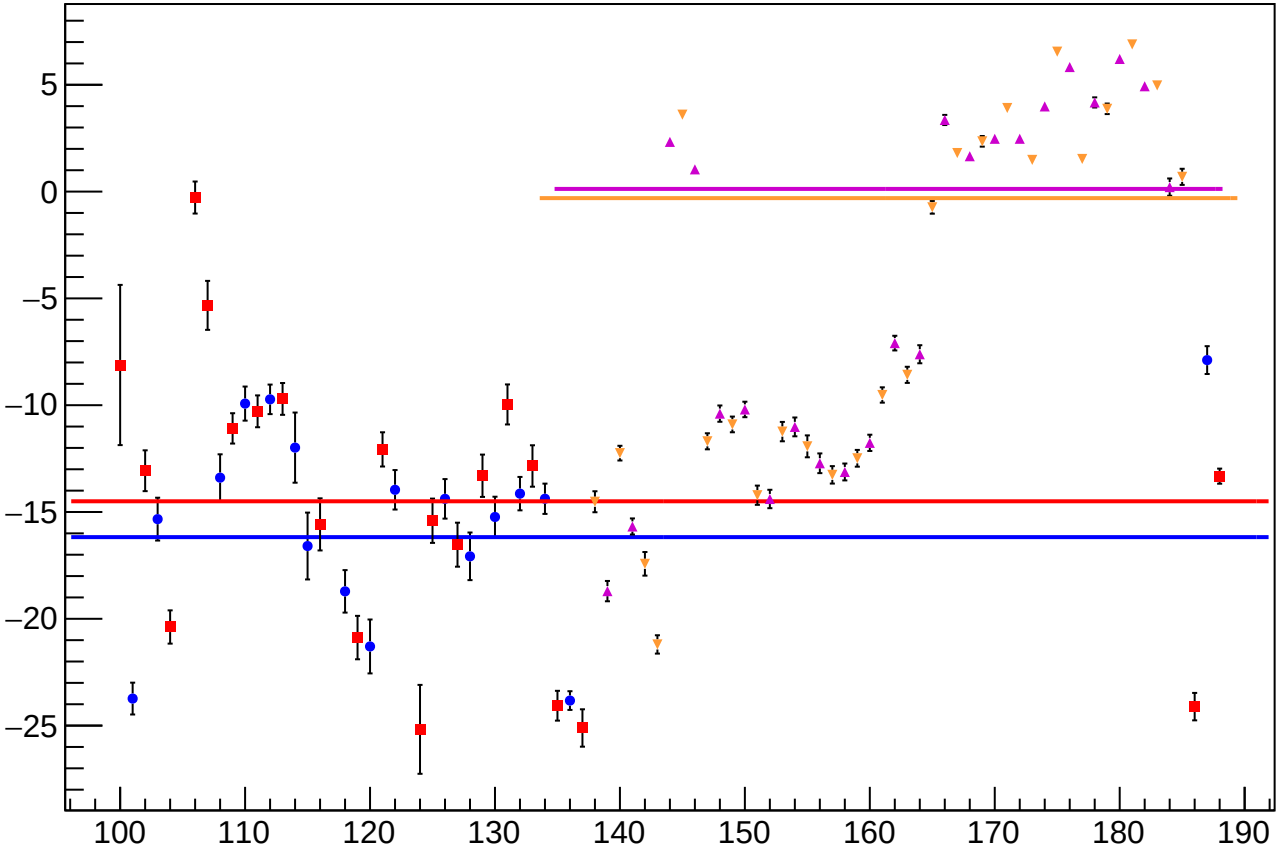
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.035+/-0.043 χ^2/NDF: 2425.9/41

All: -6.176+/-0.030 χ^2/NDF: 4523.6/85

- sign -6.314+/-0.043 χ^2/NDF: 2076.7/43

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -16.176+/-0.199 χ^2/NDF: 779.8/16

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -14.499+/-0.173 χ^2/NDF: 1261.0/20

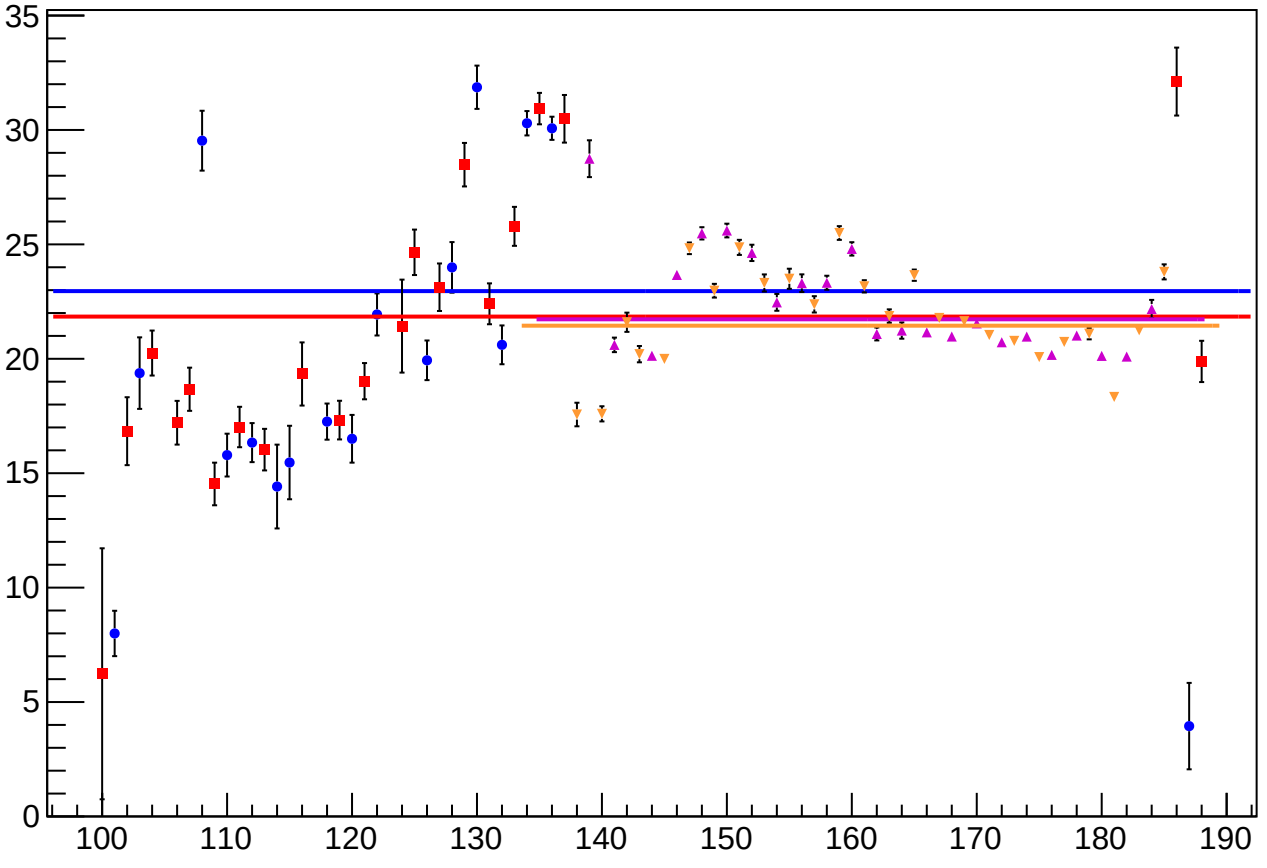
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.489+/-0.054 χ^2/NDF: 23828.3/41

All: -1.395+/-0.038 χ^2/NDF: 45356.7/85

- sign -1.302+/-0.054 χ^2/NDF: 21522.5/43

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.958+/-0.217 χ^2/NDF: 1110.9/16

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.844+/-0.215 χ^2/NDF: 611.0/20

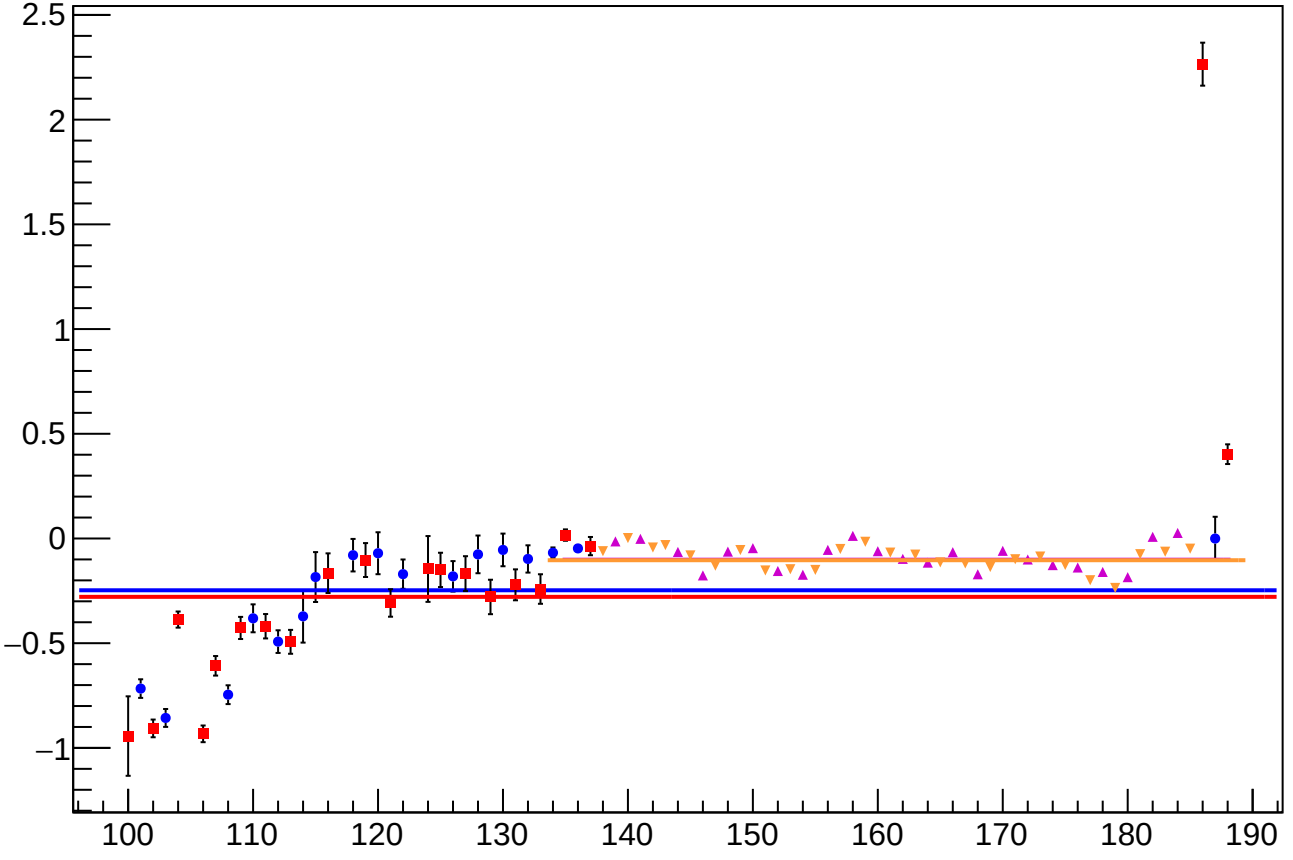
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.522+/-0.048 χ^2/NDF: 2482.3/41

All: 21.626+/-0.034 χ^2/NDF: 4276.8/85

- sign 21.731+/-0.048 χ^2/NDF: 1785.0/43

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.247+/-0.012 χ^2/NDF: 639.3/16

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.279+/-0.012 χ^2/NDF: 1574.0/20

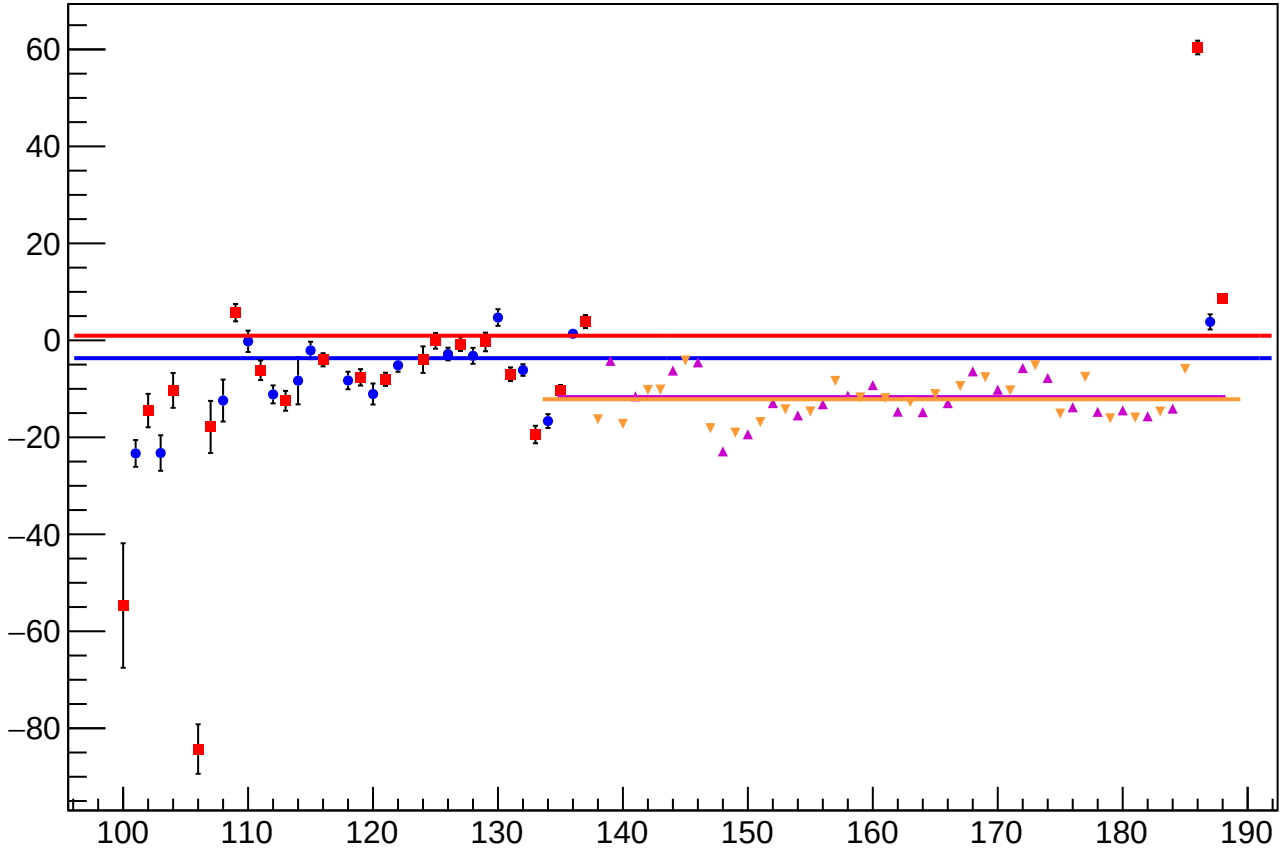
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.109+/-0.002 χ^2/NDF: 1334.8/41

All: -0.108+/-0.002 χ^2/NDF: 3882.5/85

- sign -0.107+/-0.002 χ^2/NDF: 2547.5/43

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -3.676+/-0.371 χ^2/NDF: 312.3/16

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: 0.956+/-0.353 χ^2/NDF: 2634.4/20

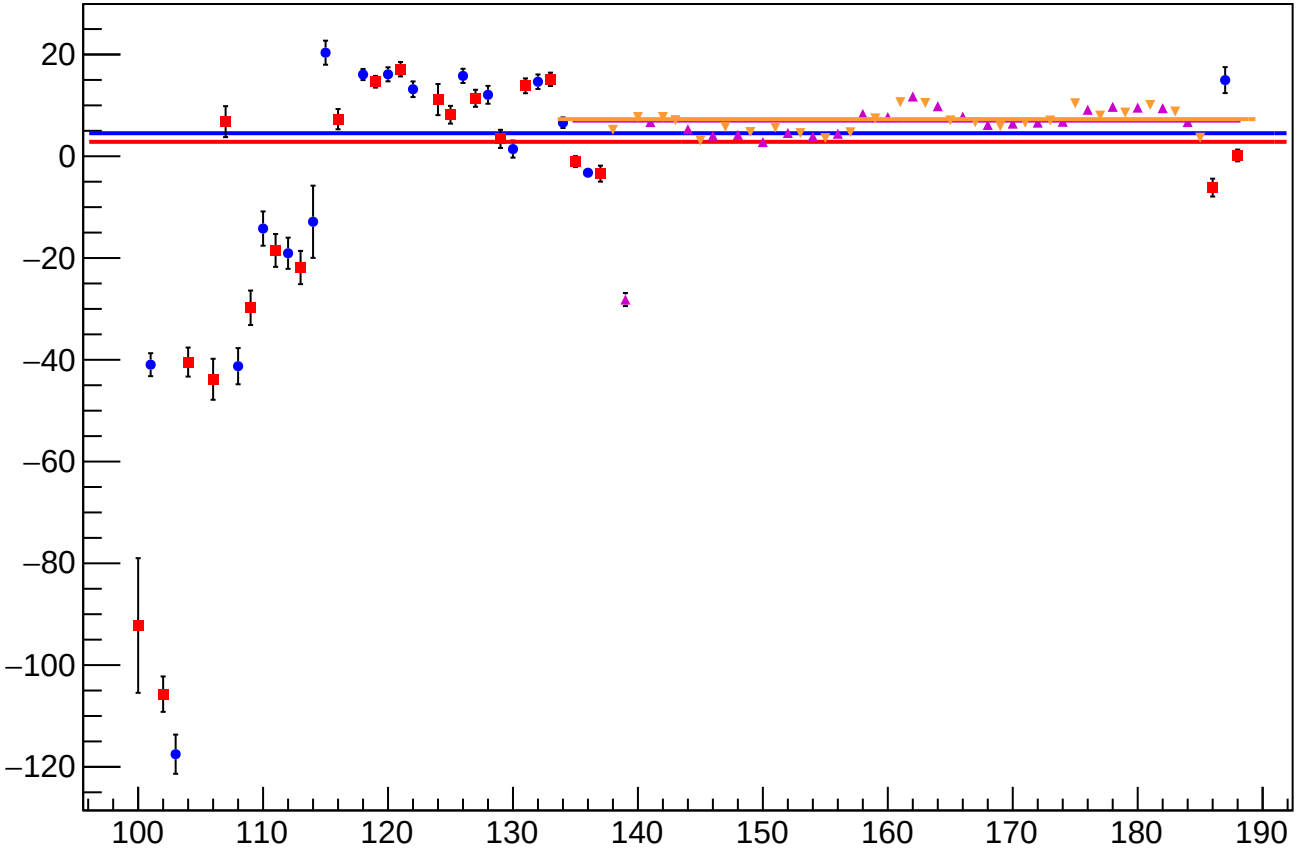
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.657+/-0.089 χ^2/NDF: 2934.2/41

All: -11.267+/-0.064 χ^2/NDF: 8755.9/85

- sign -10.857+/-0.091 χ^2/NDF: 5782.2/43

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 4.530+/-0.381 χ^2/NDF: 2186.2/16

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

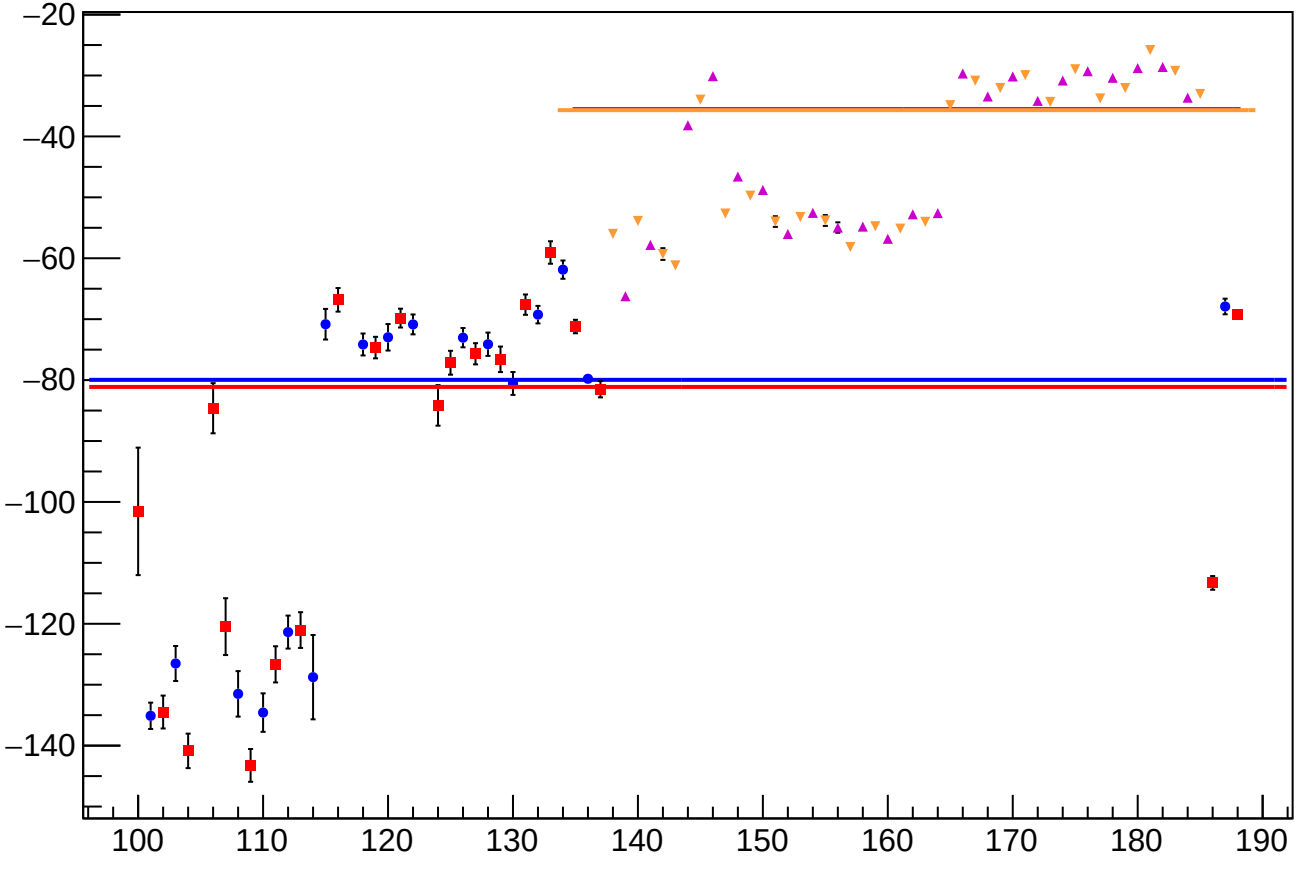
Right Out: 2.838+/-0.387 χ^2/NDF: 2043.1/20

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.194+/-0.074 χ^2/NDF: 3059.9/41

All: 7.024+/-0.052 χ^2/NDF: 6801.5/85

- sign 6.850+/-0.075 χ^2/NDF: 3730.8/43



Right In: -79.958+/-0.396 χ^2/NDF: 2068.7/16

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -81.120+/-0.359 χ^2/NDF: 3437.4/20

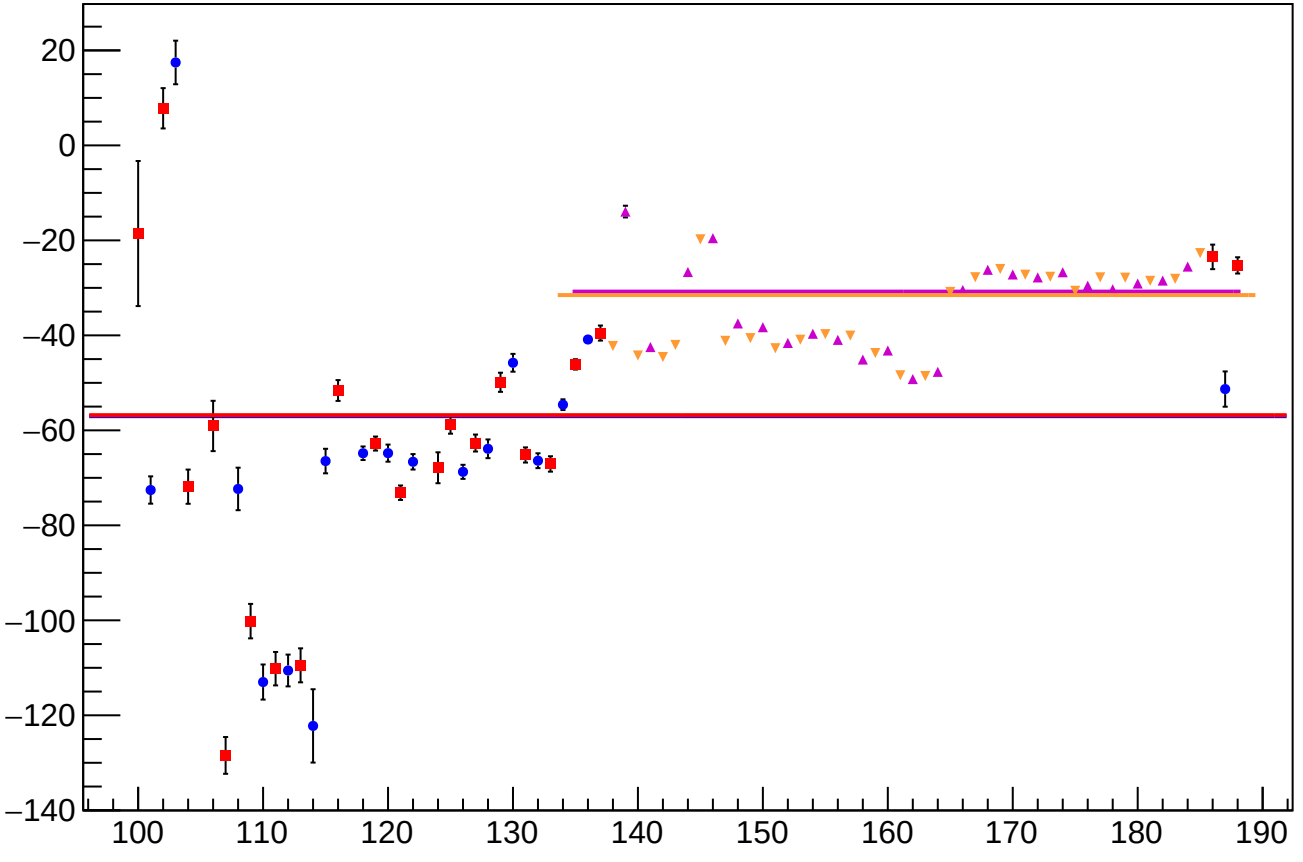
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

\+ sign -37.964+/-0.090 χ^2/NDF: 26677.7/41

All: -38.209+/-0.064 χ^2/NDF: 56415.8/85

\- sign -38.463+/-0.091 χ^2/NDF: 29722.9/43

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.014+/-0.423 χ^2/NDF: 1529.2/16

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -56.805+/-0.446 χ^2/NDF: 2148.7/20

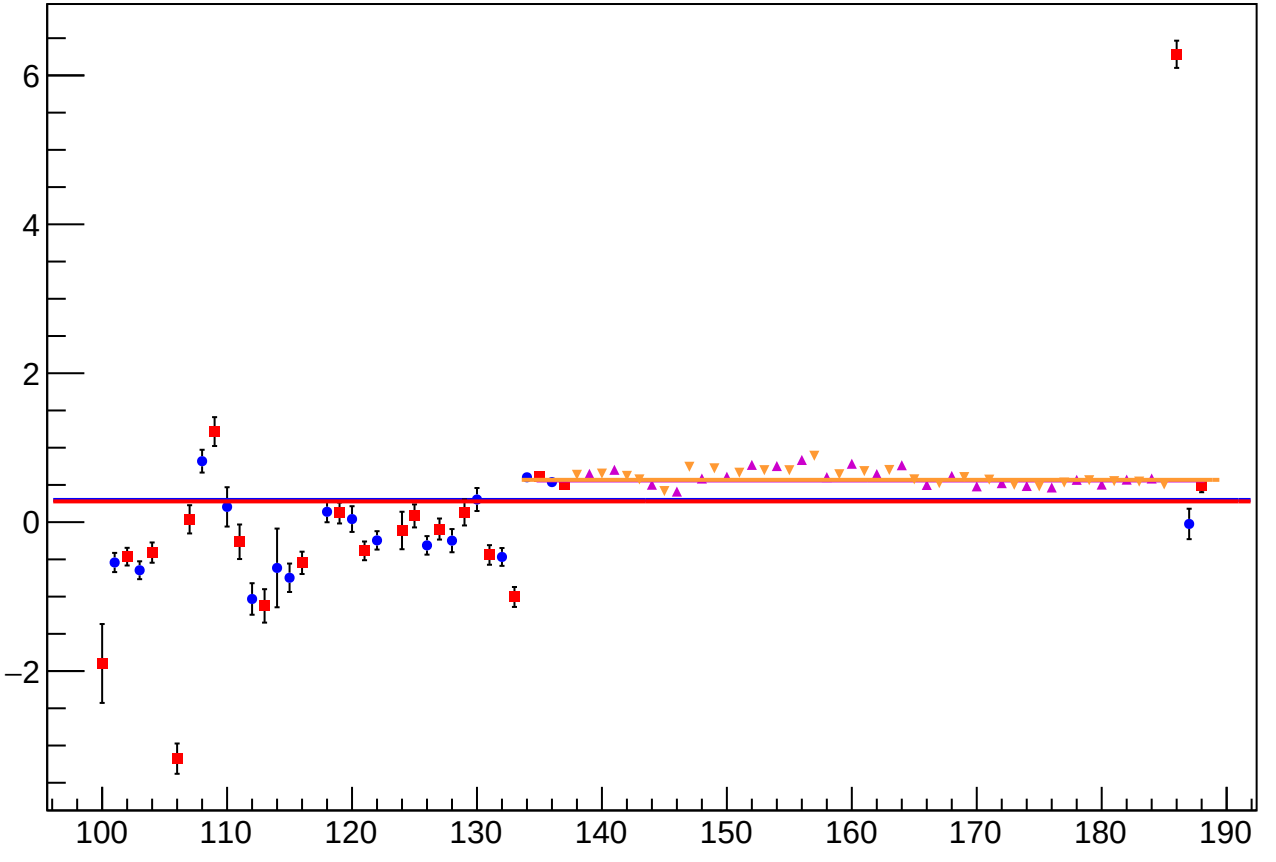
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.461+/-0.081 χ^2/NDF: 13486.0/41

All: -32.080+/-0.058 χ^2/NDF: 26507.5/85

- sign -31.685+/-0.083 χ^2/NDF: 12976.8/43

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.298+/-0.023 χ^2/NDF: 377.4/16

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.279+/-0.025 χ^2/NDF: 1787.5/20

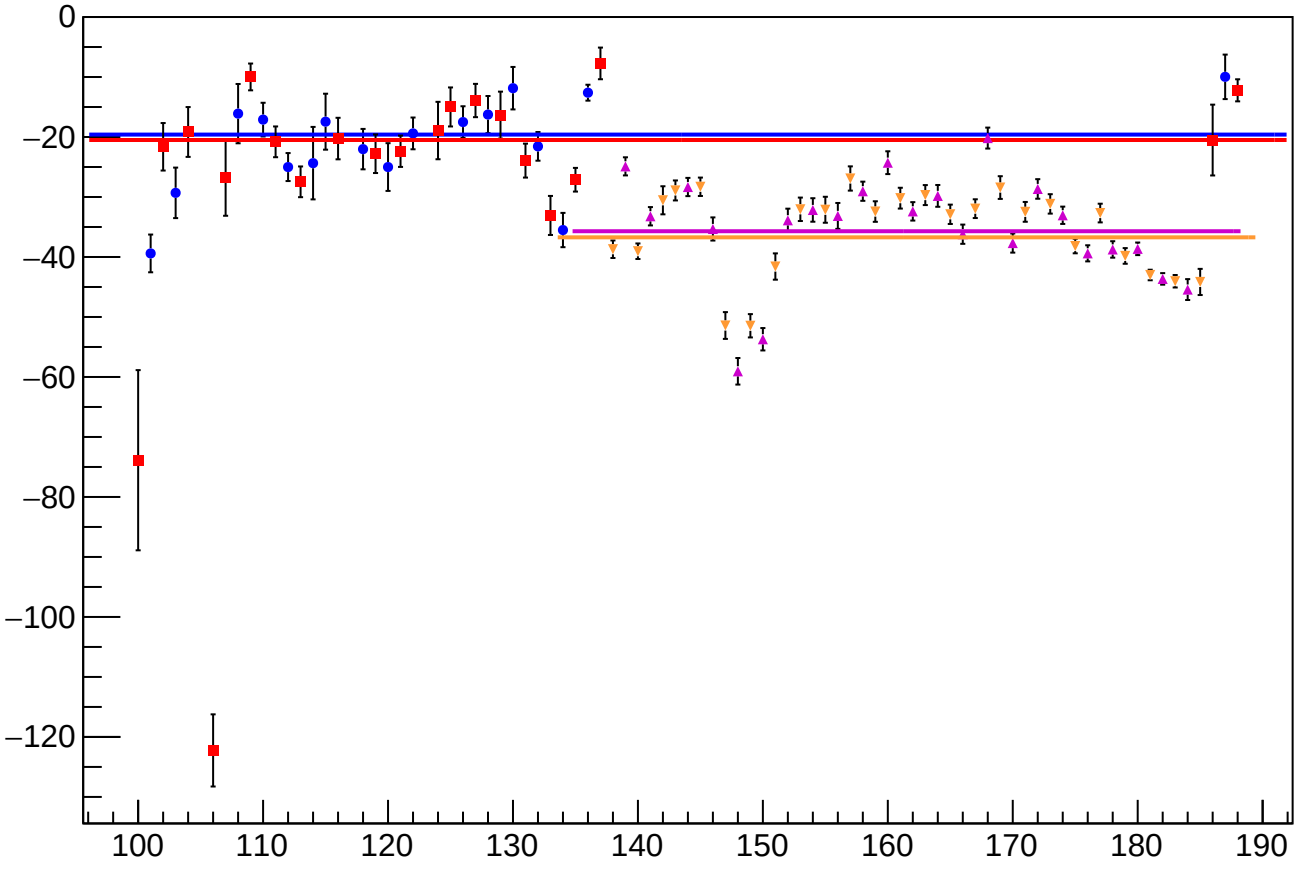
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.561+/-0.004 χ^2/NDF: 1068.6/41

All: 0.558+/-0.003 χ^2/NDF: 3653.0/85

- sign 0.554+/-0.004 χ^2/NDF: 2582.2/43

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -19.597+/-0.683 χ^2/NDF: 127.5/16

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -20.500+/-0.661 χ^2/NDF: 411.7/20

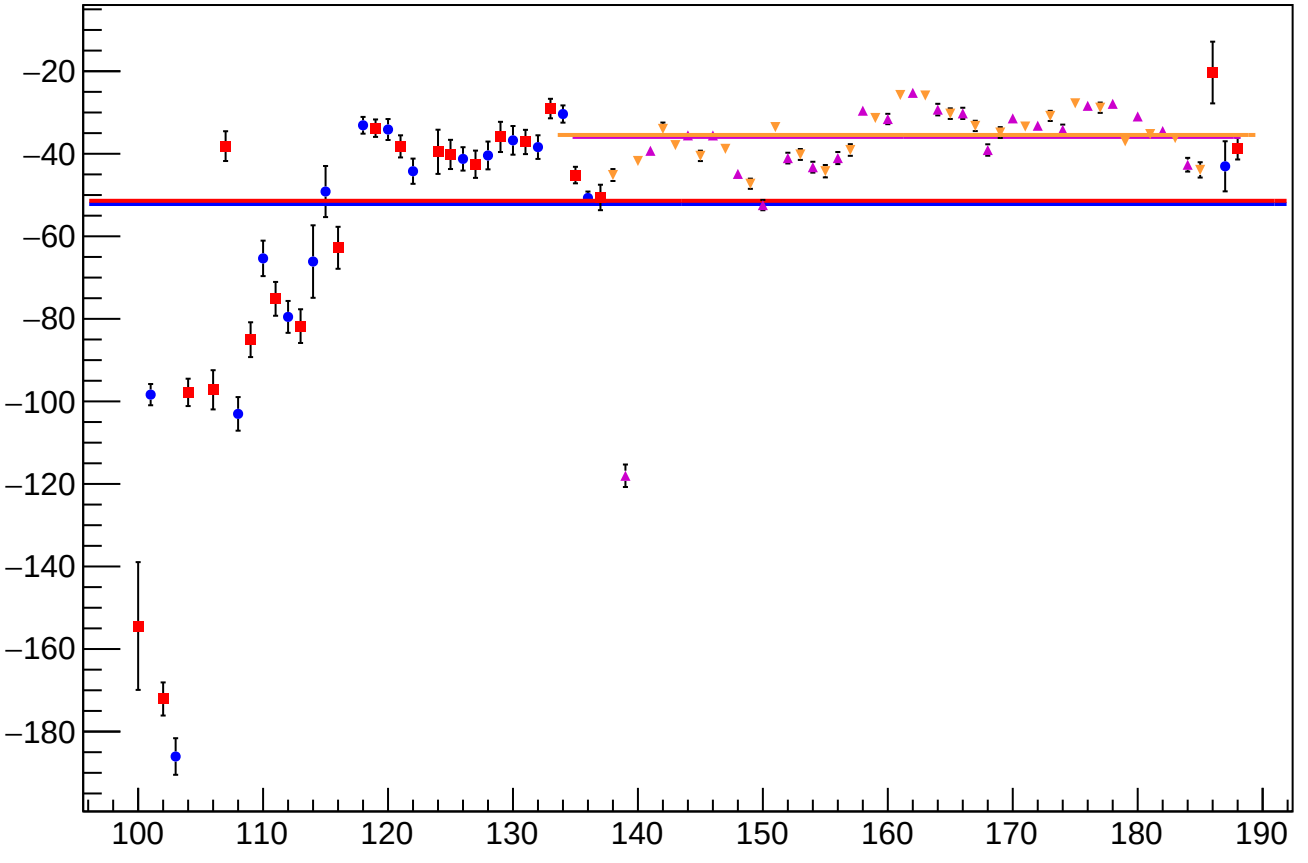
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.795+/-0.282 χ^2/NDF: 1069.7/41

All: -33.298+/-0.202 χ^2/NDF: 2493.3/85

- sign -32.774+/-0.290 χ^2/NDF: 1417.2/43

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.172+/-0.703 χ^2/NDF: 1780.5/16

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -51.396+/-0.716 χ^2/NDF: 1706.3/20

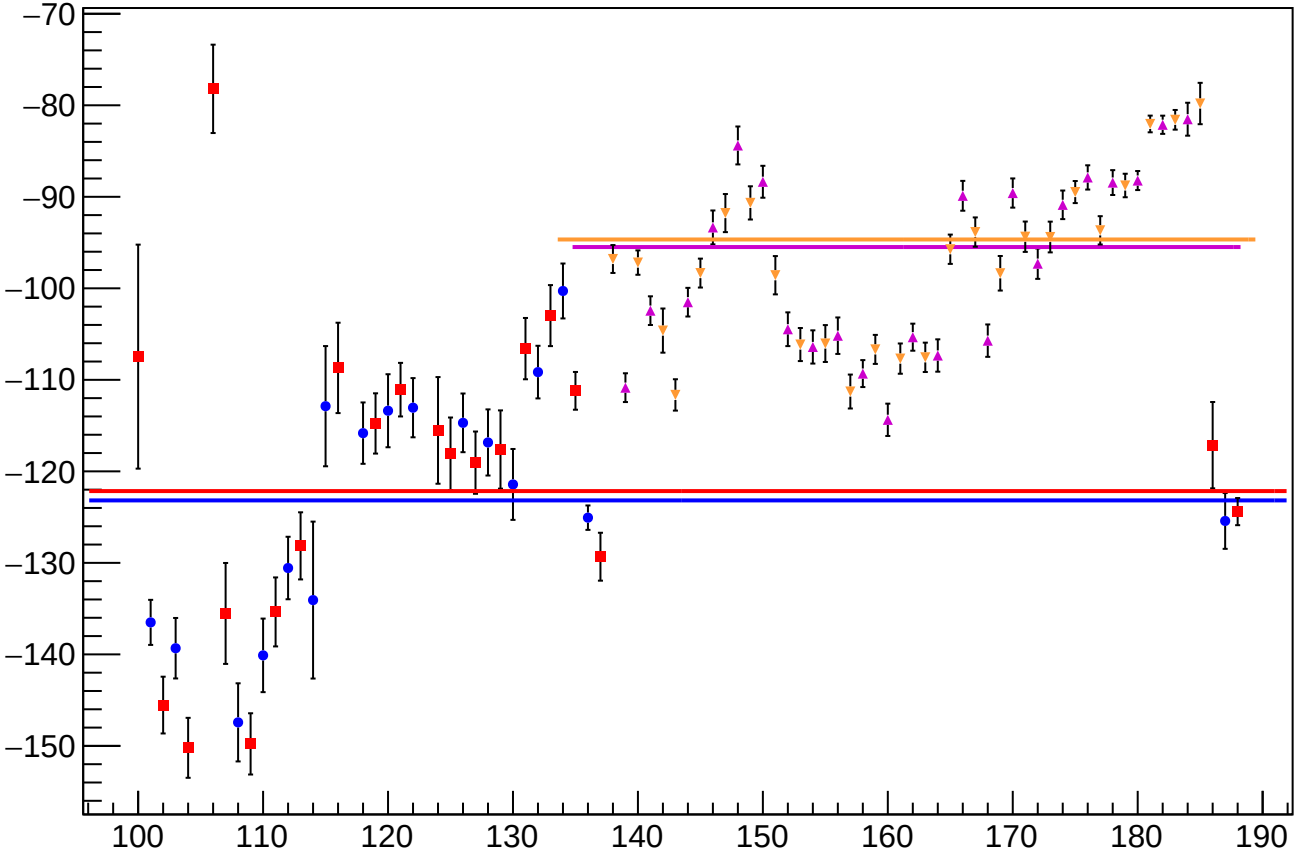
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -37.251+/-0.231 χ^2/NDF: 2822.9/41

All: -37.451+/-0.167 χ^2/NDF: 6488.2/85

- sign -37.669+/-0.241 χ^2/NDF: 3663.7/43

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.175+/-0.728 χ^2/NDF: 227.4/16

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -122.156+/-0.697 χ^2/NDF: 428.4/20

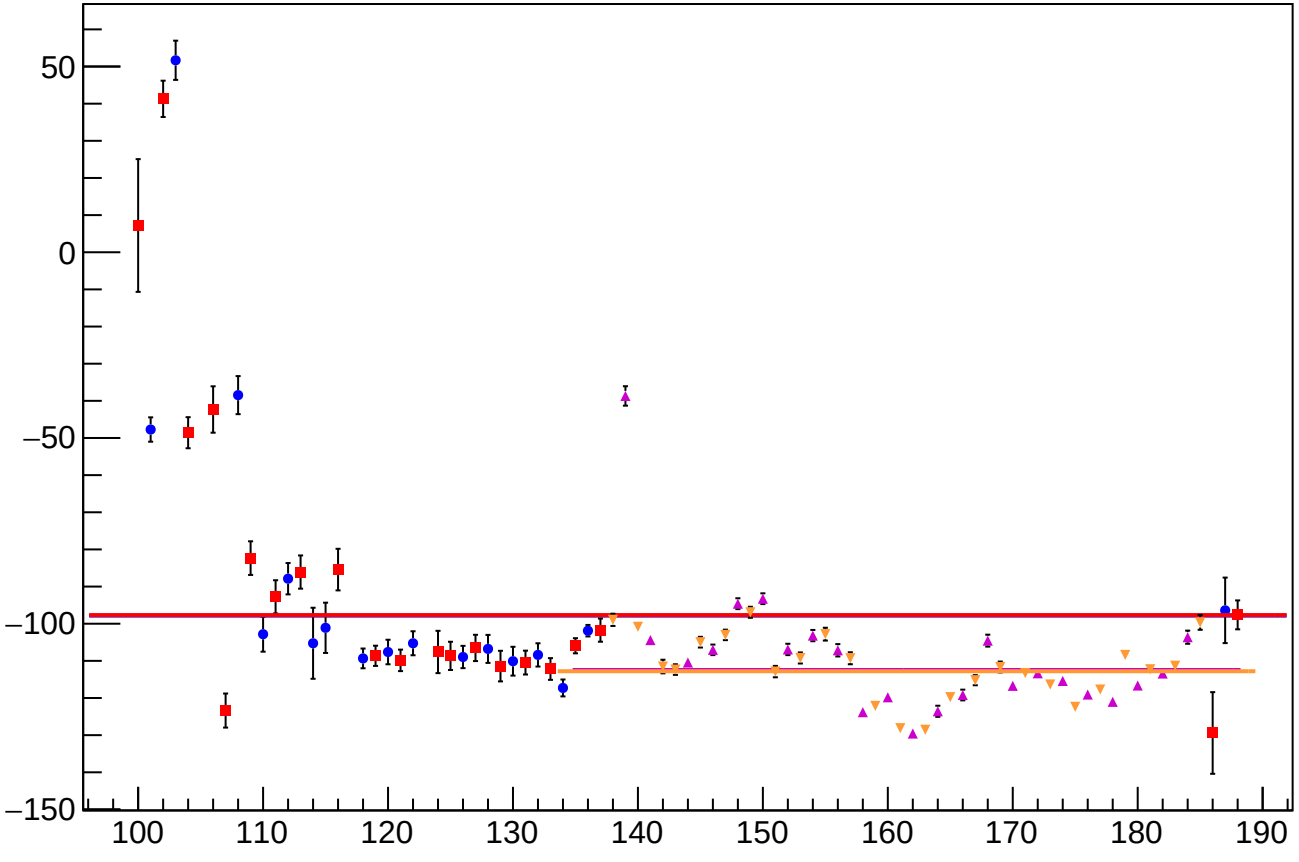
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.032+/-0.285 χ^2/NDF: 2425.3/41

All: -99.582+/-0.204 χ^2/NDF: 5038.2/85

- sign -100.158+/-0.292 χ^2/NDF: 2605.3/43

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.803+/-0.790 χ^2/NDF: 1330.8/16

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -97.687+/-0.821 χ^2/NDF: 1244.8/20

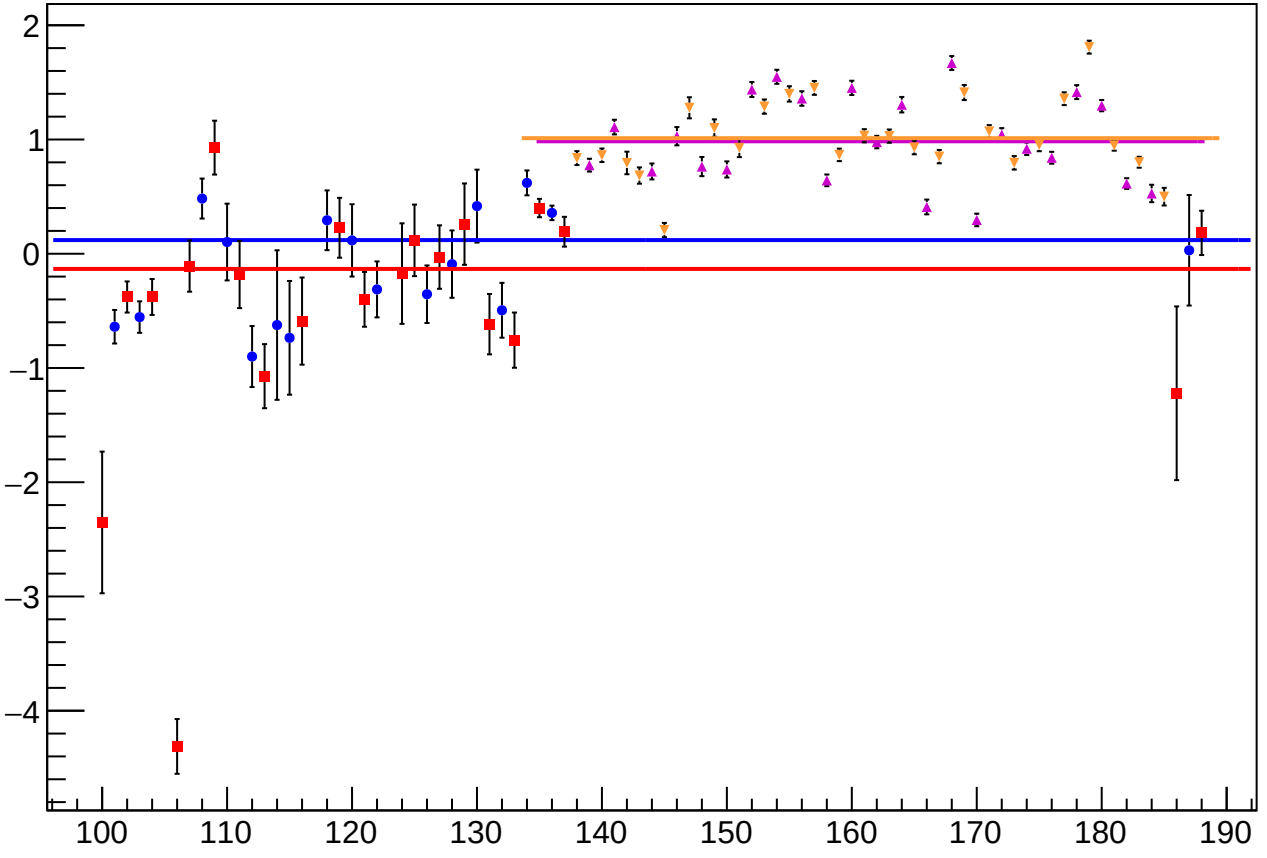
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -111.183+/-0.259 χ^2/NDF: 2588.8/41

All: -111.037+/-0.187 χ^2/NDF: 5911.9/85

- sign -110.879+/-0.269 χ^2/NDF: 3322.4/43

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/16

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: -0.133+/-0.044 χ^2/NDF: 425.8/20

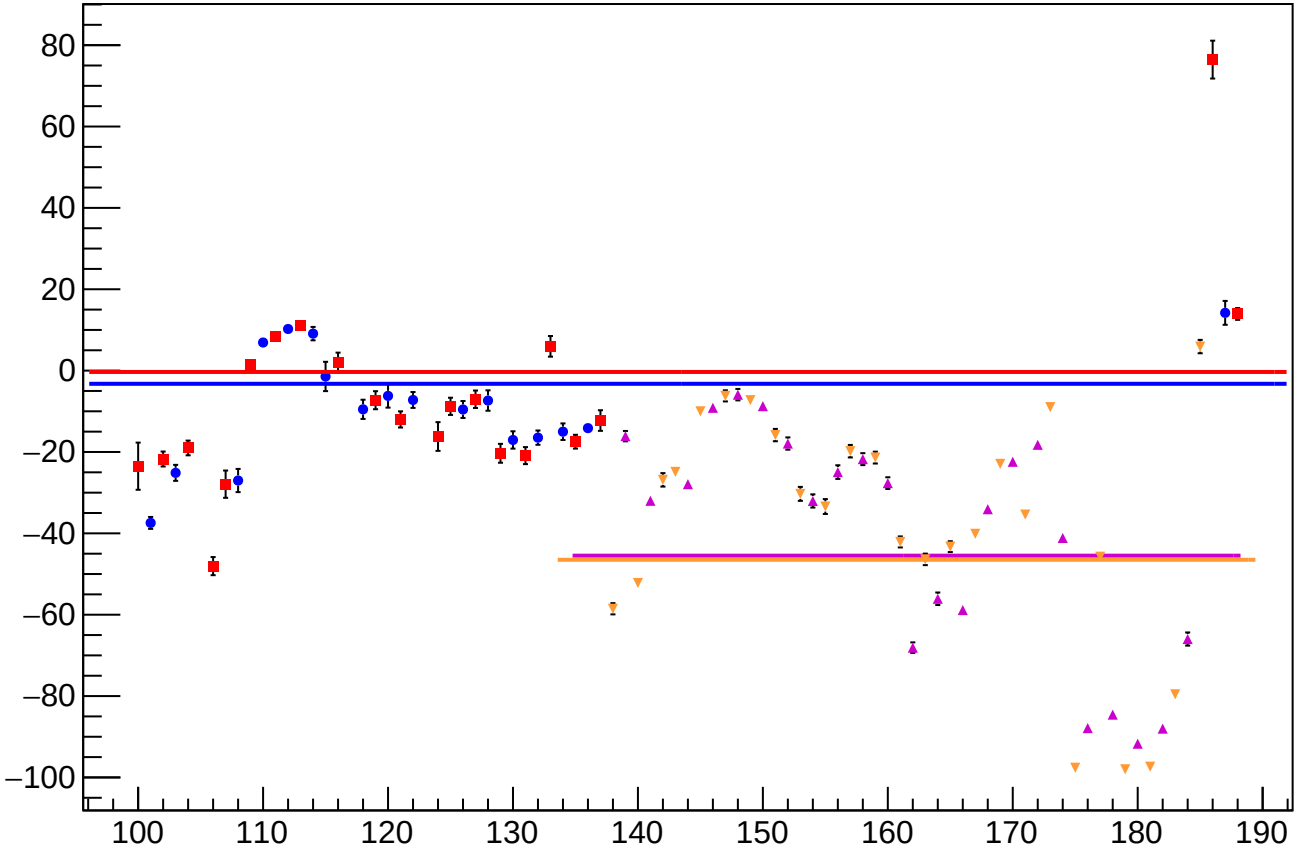
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.939+/-0.012 χ^2/NDF: 1248.4/41

All: 0.919+/-0.008 χ^2/NDF: 3184.7/85

- sign 0.899+/-0.012 χ^2/NDF: 1930.7/43

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.241+/-0.374 χ^2/NDF: 1565.0/16

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -0.329+/-0.329 χ^2/NDF: 1906.0/20

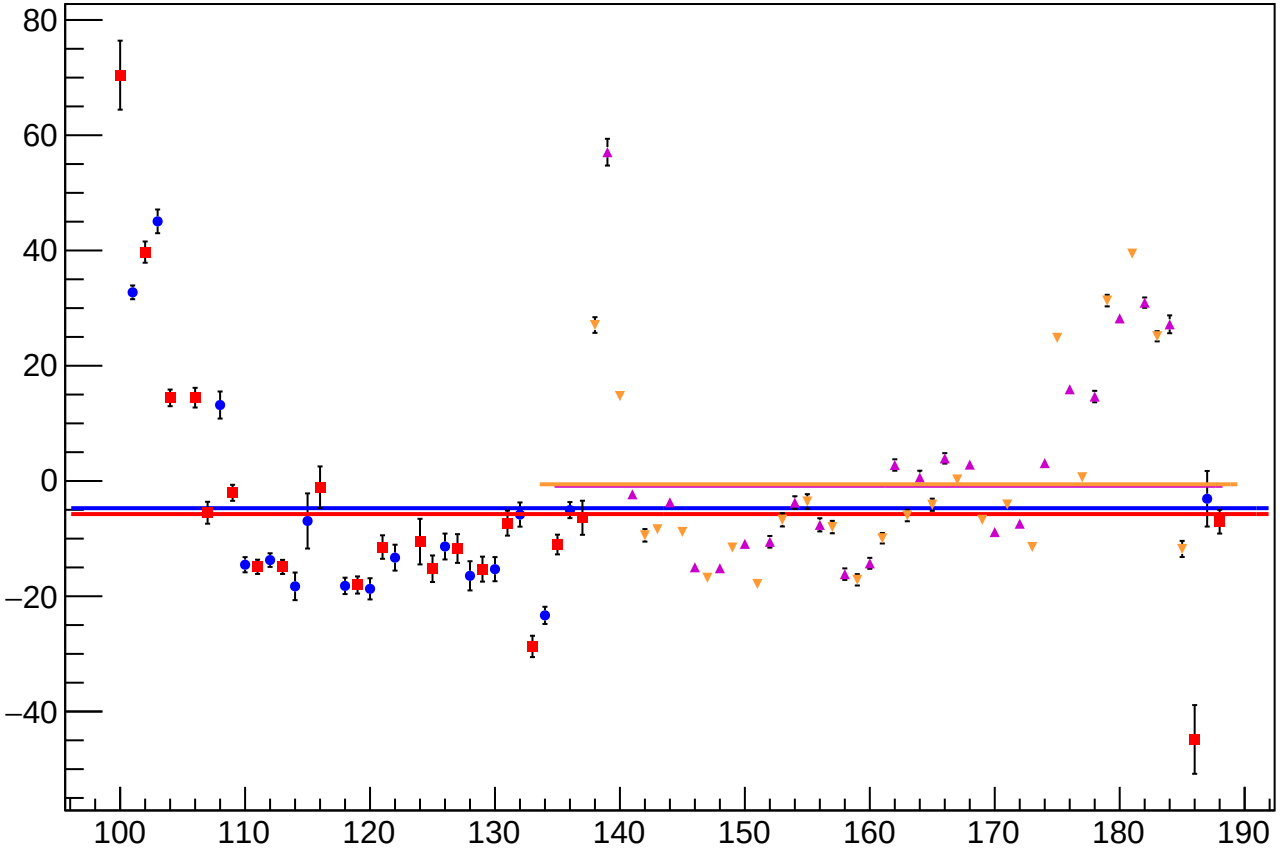
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.604+/-0.196 χ^2/NDF: 31325.3/41

All: -32.255+/-0.137 χ^2/NDF: 61476.0/85

- sign -29.985+/-0.193 χ^2/NDF: 29868.1/43

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.716+/-0.429 χ^2/NDF: 2148.1/16

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -5.742+/-0.413 χ^2/NDF: 1552.3/20

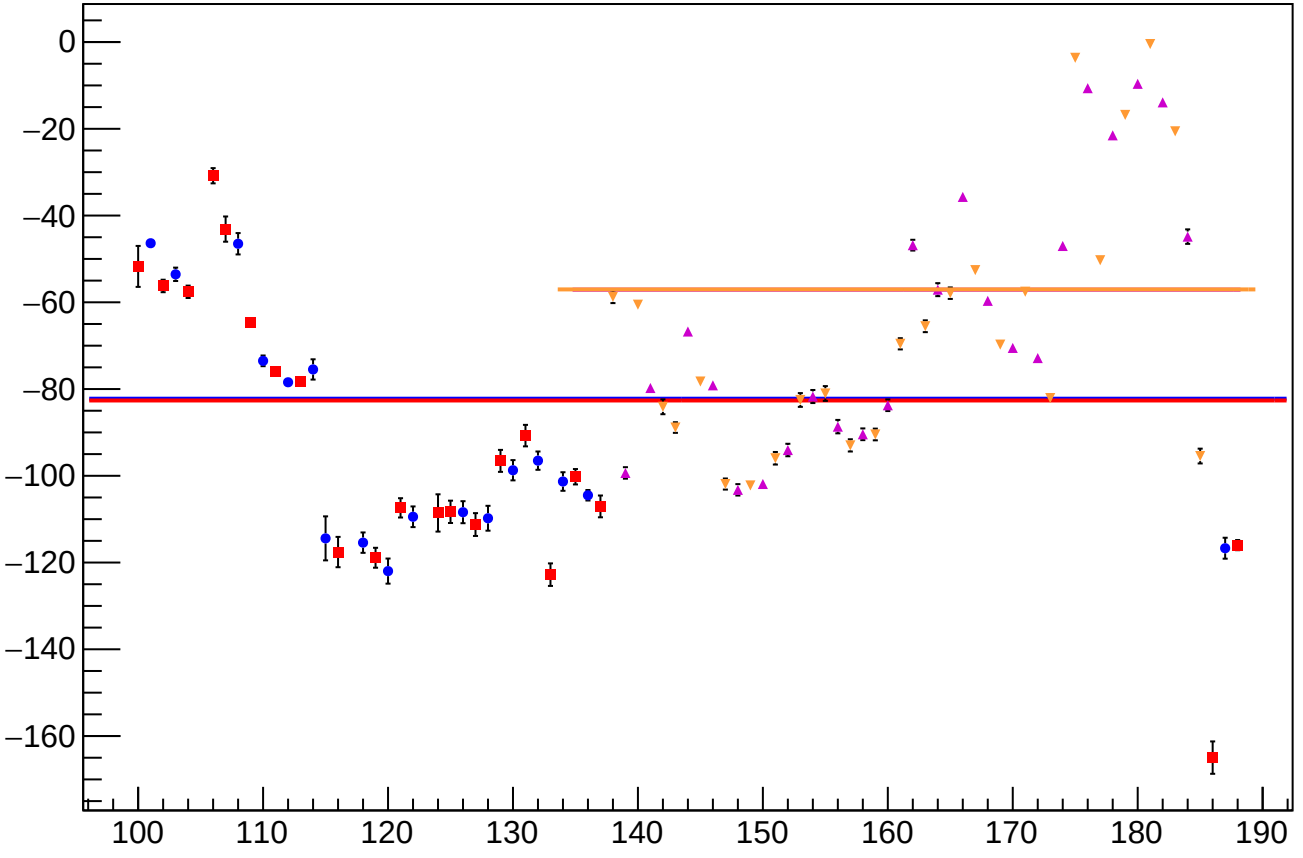
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -1.176+/-0.164 χ^2/NDF: 10679.2/41

All: -1.401+/-0.117 χ^2/NDF: 18470.6/85

- sign -1.636+/-0.167 χ^2/NDF: 7787.5/43

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -82.228+/-0.431 χ^2/NDF: 3080.8/16

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -82.634+/-0.391 χ^2/NDF: 4586.7/20

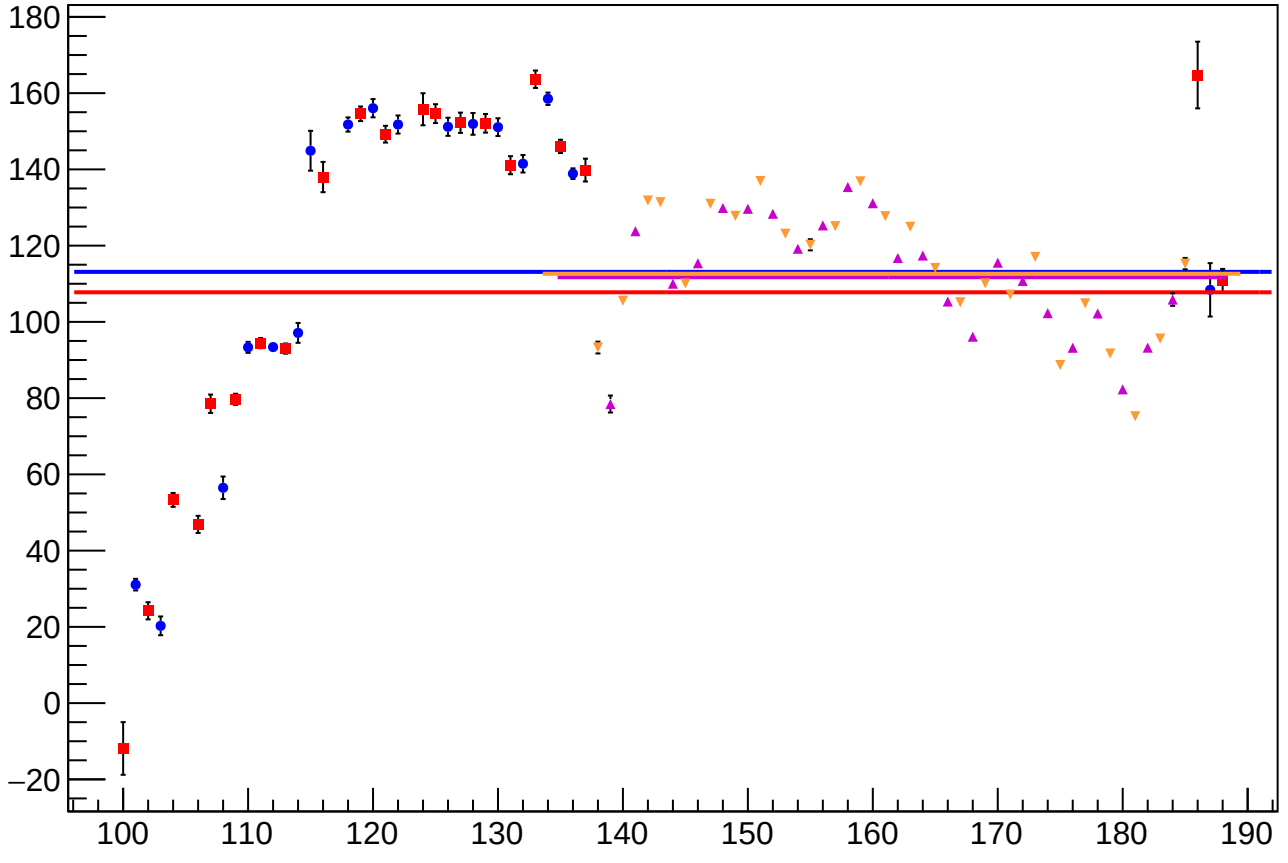
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -62.603+/-0.203 χ^2/NDF: 26048.1/41

All: -63.278+/-0.143 χ^2/NDF: 50954.1/85

- sign -63.949+/-0.202 χ^2/NDF: 24883.9/43

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.120+/-0.488 χ^2/NDF: 8204.5/16

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 107.763+/-0.473 χ^2/NDF: 7587.8/20

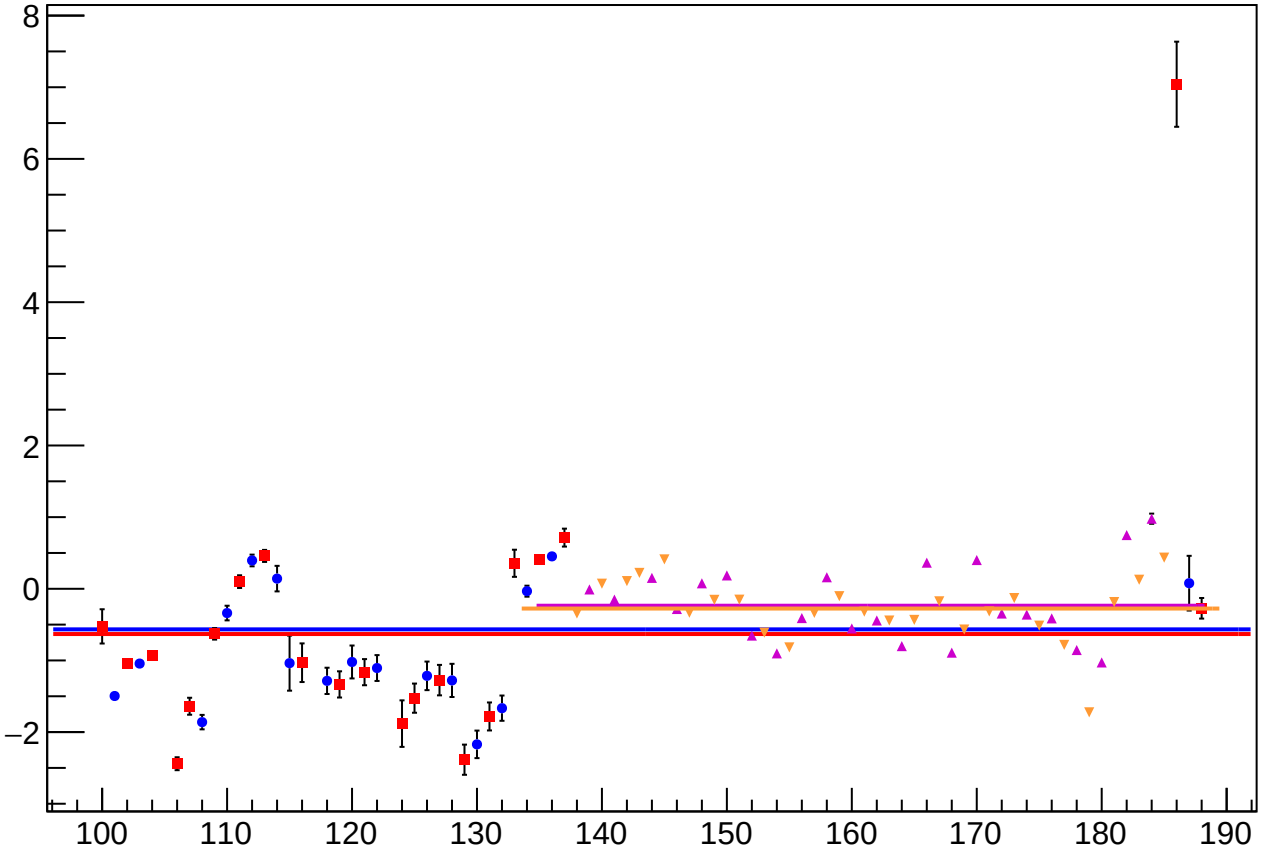
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.696+/-0.185 χ^2/NDF: 14913.4/41

All: 111.909+/-0.132 χ^2/NDF: 27493.8/85

- sign 111.089+/-0.189 χ^2/NDF: 12543.4/43

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.566+/-0.026 χ^2/NDF: 1100.3/16

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.632+/-0.025 χ^2/NDF: 1489.3/20

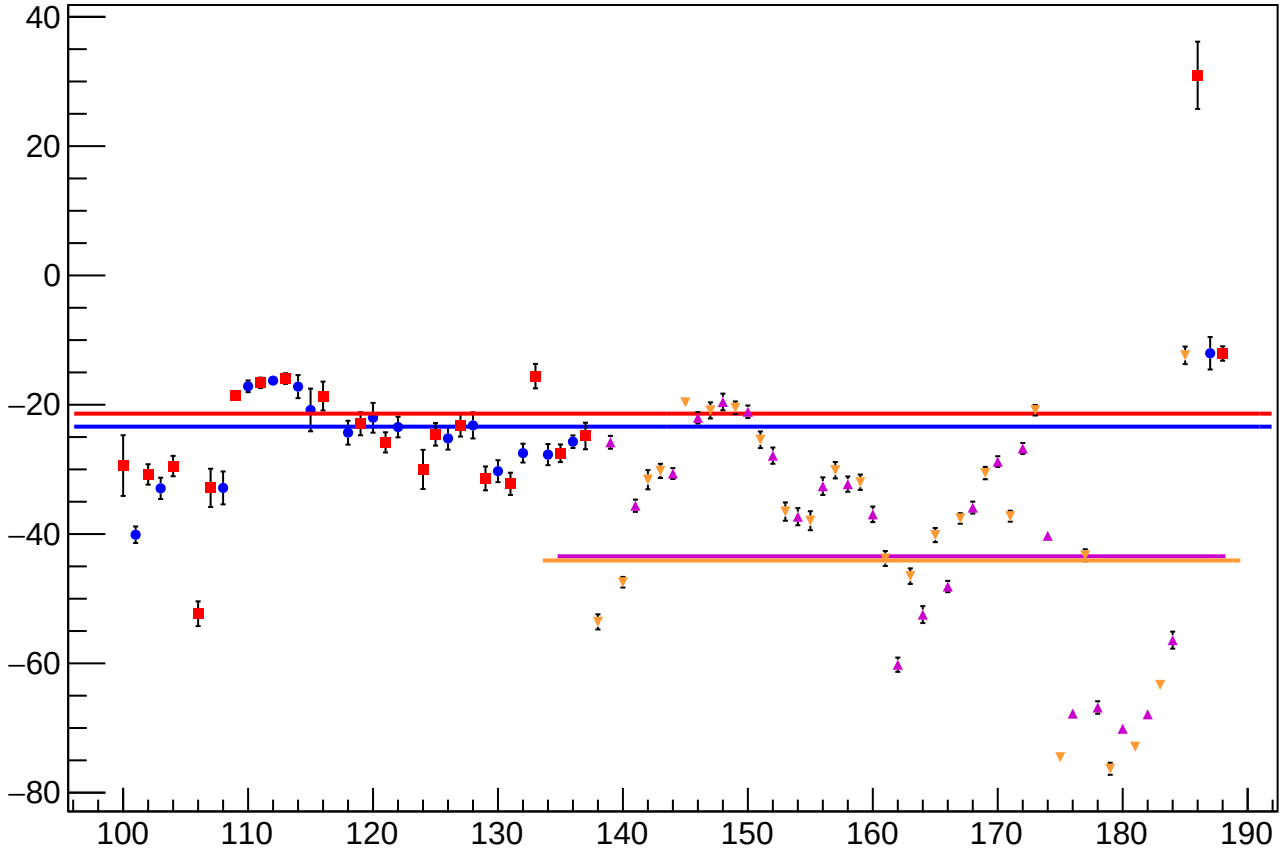
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.307+/-0.008 χ^2/NDF: 3336.2/41

All: -0.296+/-0.006 χ^2/NDF: 8013.5/85

- sign -0.284+/-0.009 χ^2/NDF: 4673.6/43

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.389+/-0.345 χ^2/NDF: 427.2/16

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -21.375+/-0.309 χ^2/NDF: 732.2/20

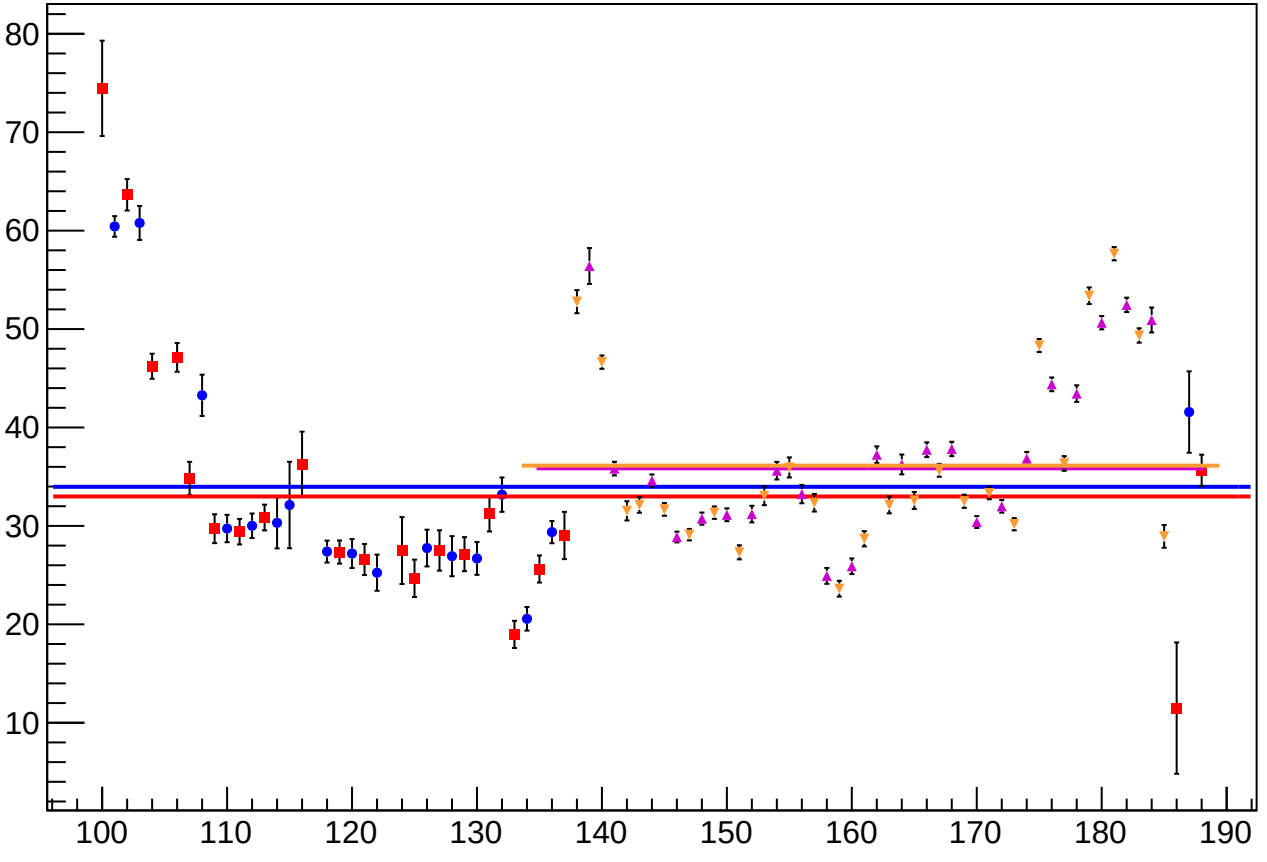
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.153+/-0.168 χ^2/NDF: 13508.9/41

All: -38.054+/-0.119 χ^2/NDF: 25762.3/85

- sign -36.974+/-0.167 χ^2/NDF: 12169.0/43

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.972+/-0.374 χ^2/NDF: 1187.8/16

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 32.989+/-0.362 χ^2/NDF: 888.1/20

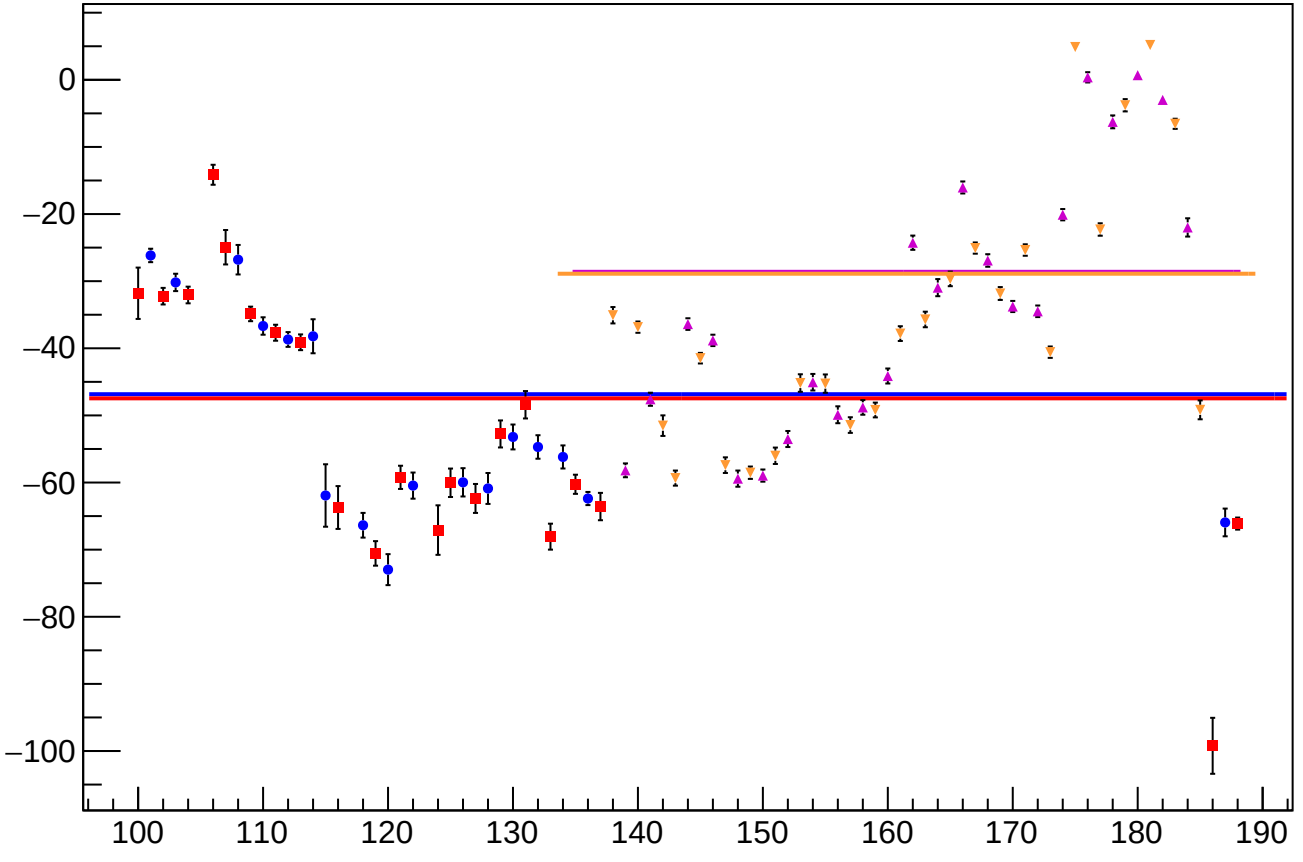
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 35.825+/-0.139 χ^2/NDF: 4774.9/41

All: 35.622+/-0.100 χ^2/NDF: 8013.7/85

- sign 35.409+/-0.142 χ^2/NDF: 3234.5/43

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.841+/-0.383 χ^2/NDF: 1578.3/16

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -47.457+/-0.348 χ^2/NDF: 2344.8/20

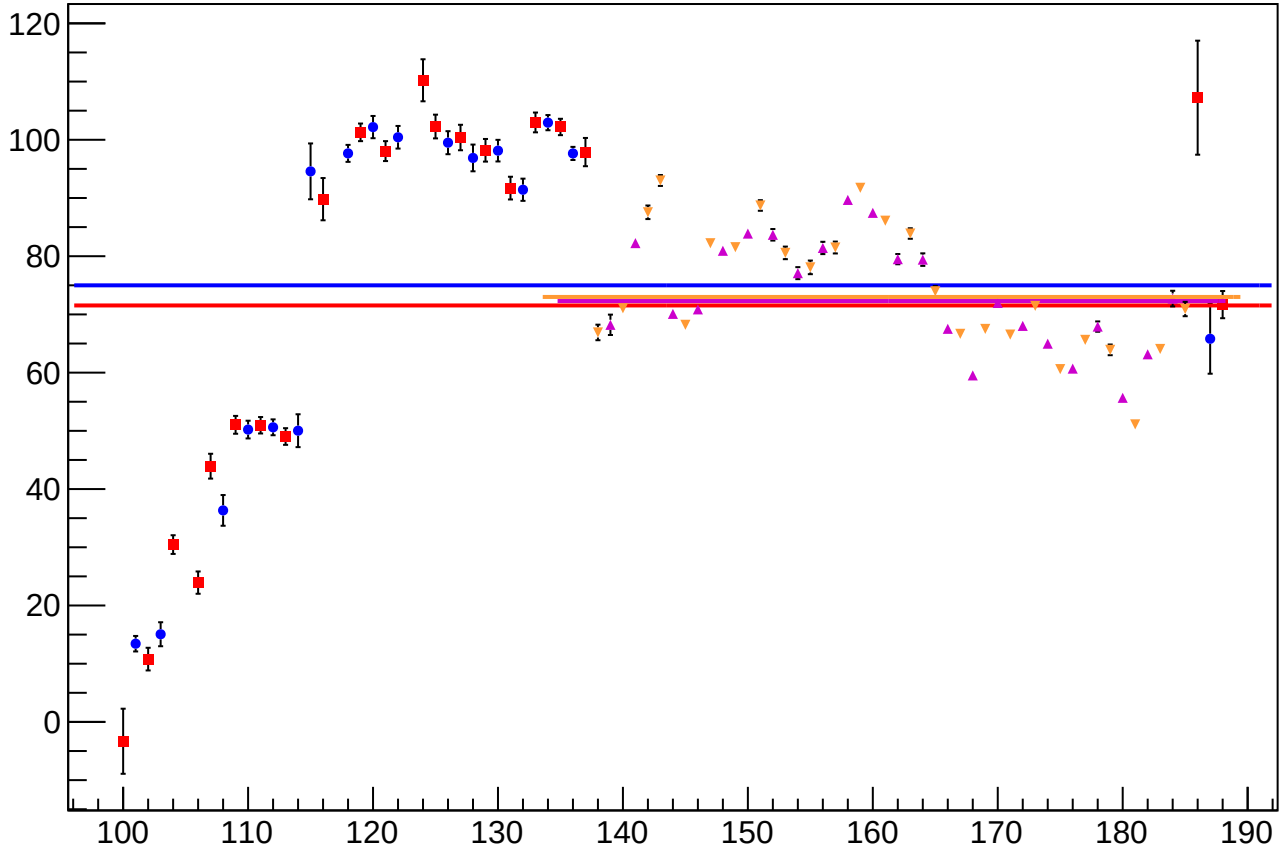
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

\+ sign -32.518+/-0.172 χ^2/NDF: 15128.8/41

All: -32.868+/-0.122 χ^2/NDF: 29719.6/85

\- sign -33.217+/-0.172 χ^2/NDF: 14582.6/43

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 74.996+/-0.426 χ^2/NDF: 5830.6/16

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 71.541+/-0.418 χ^2/NDF: 5641.5/20

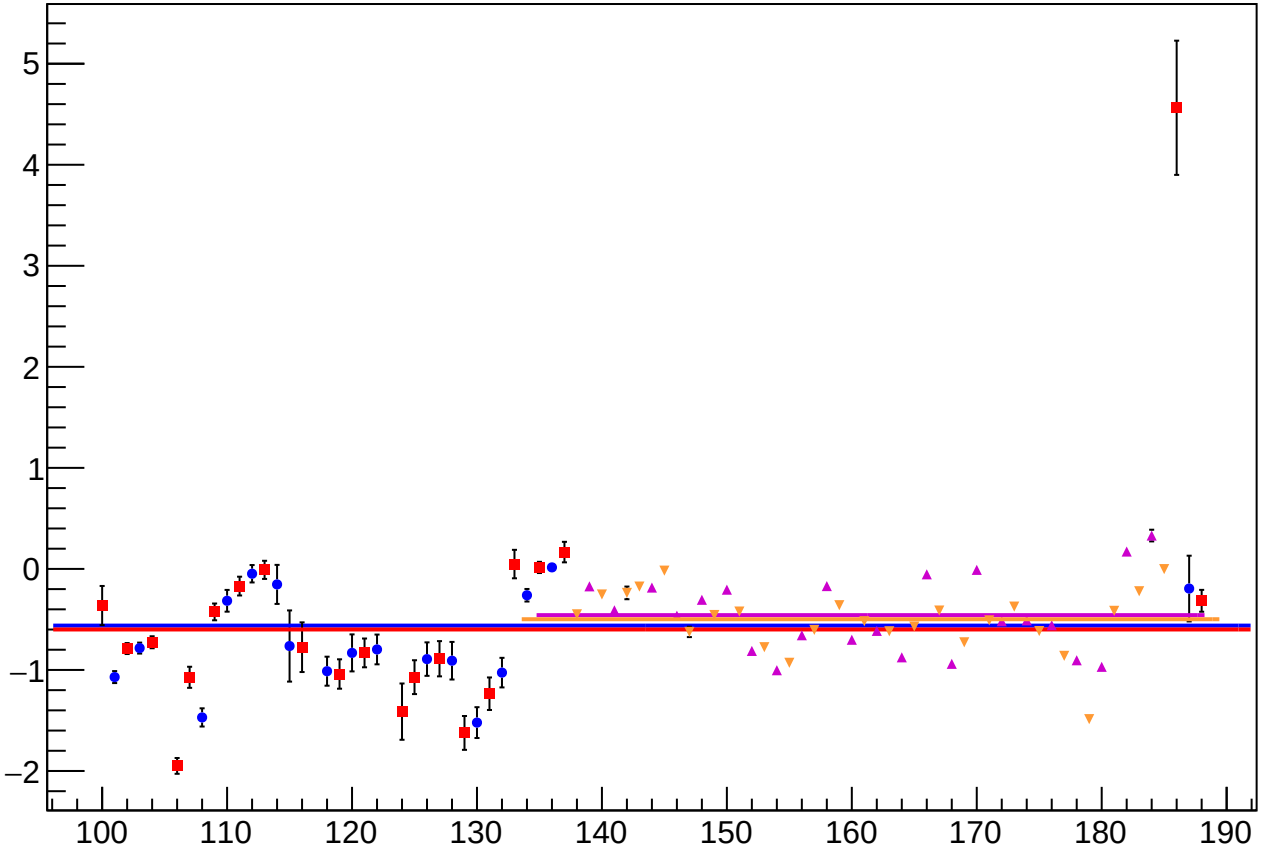
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.271+/-0.157 χ^2/NDF: 9902.0/41

All: 72.743+/-0.112 χ^2/NDF: 18482.1/85

- sign 72.191+/-0.160 χ^2/NDF: 8556.9/43

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.561+/-0.022 χ^2/NDF: 494.3/16

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.599+/-0.022 χ^2/NDF: 758.0/20

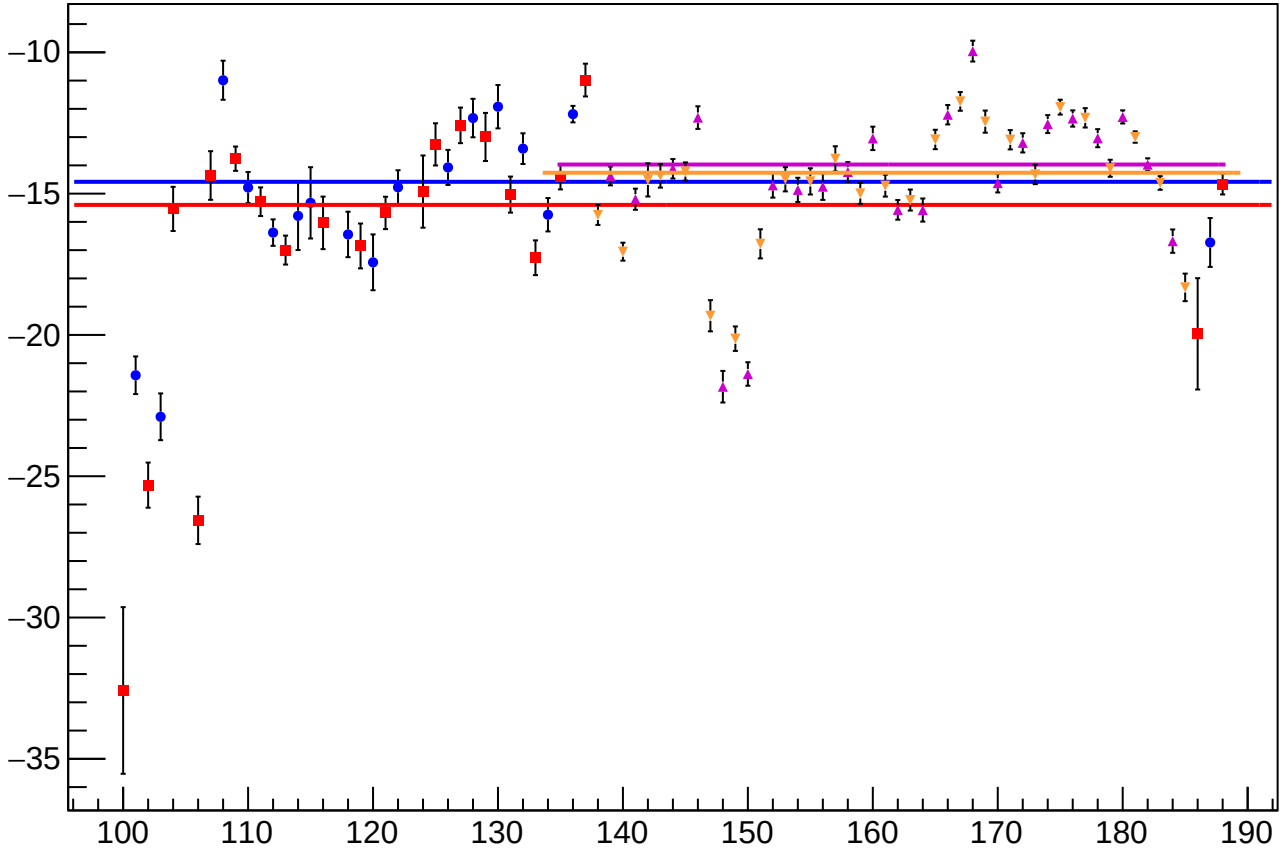
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.505+/-0.007 χ^2/NDF: 1984.4/41

All: -0.489+/-0.005 χ^2/NDF: 4893.0/85

- sign -0.473+/-0.007 χ^2/NDF: 2899.0/43

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.582+/-0.147 χ^2/NDF: 369.7/16

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -15.398+/-0.139 χ^2/NDF: 513.6/20

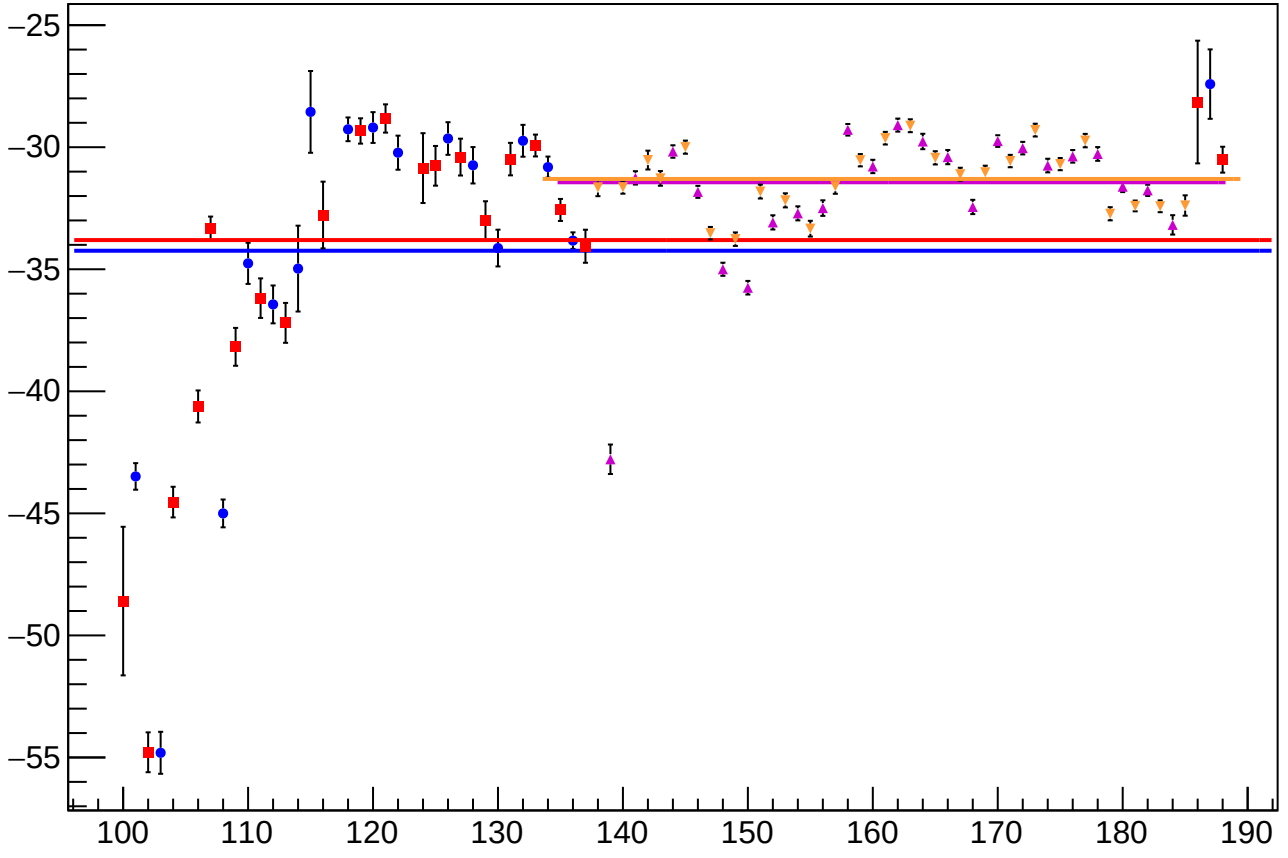
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.319+/-0.063 χ^2/NDF: 1097.6/41

All: -14.297+/-0.045 χ^2/NDF: 2603.0/85

- sign -14.273+/-0.064 χ^2/NDF: 1505.1/43

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.241+/-0.152 χ^2/NDF: 1643.9/16

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -33.804+/-0.148 χ^2/NDF: 1482.2/20

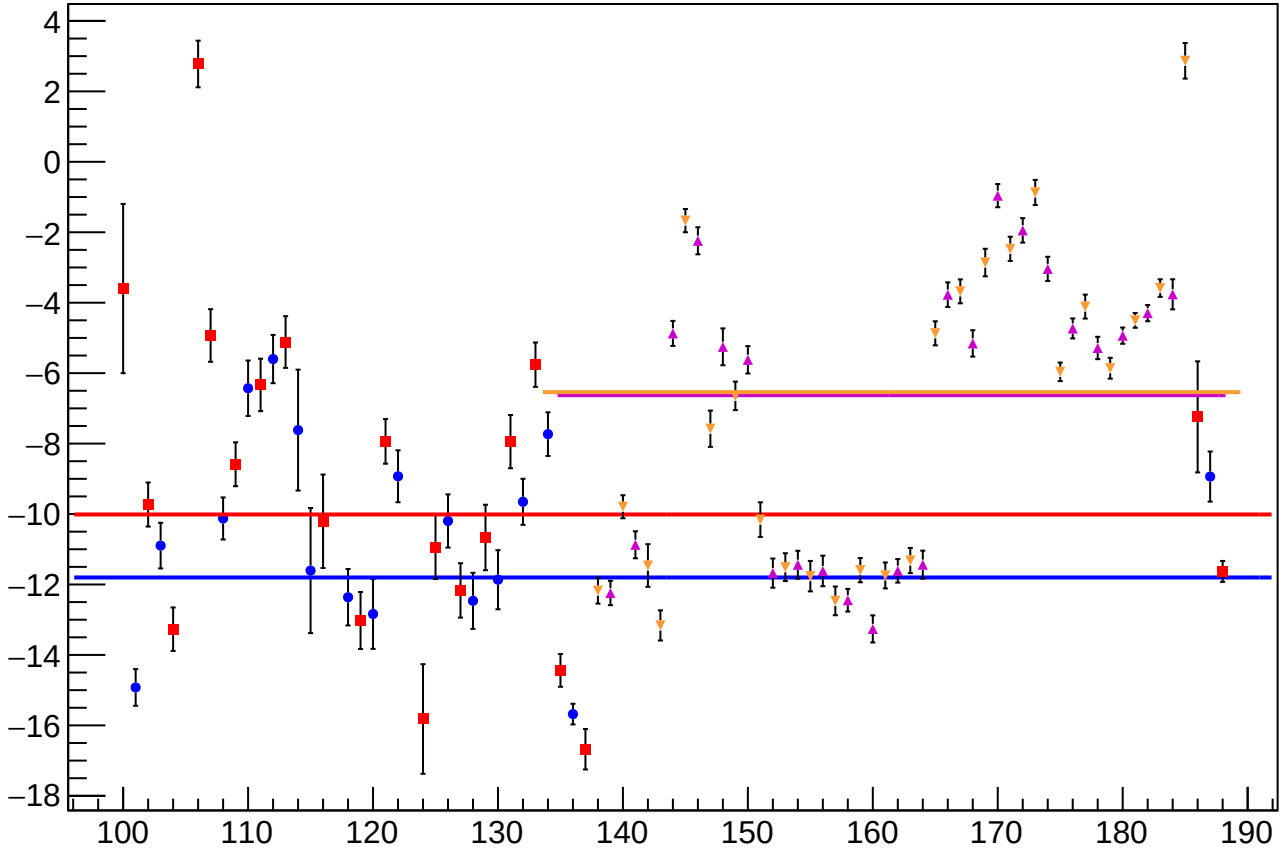
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.642+/-0.052 χ^2/NDF: 2526.2/41

All: -31.692+/-0.037 χ^2/NDF: 5448.4/85

- sign -31.746+/-0.053 χ^2/NDF: 2920.3/43

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.801+/-0.156 χ^2/NDF: 447.1/16

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -10.013+/-0.144 χ^2/NDF: 887.9/20

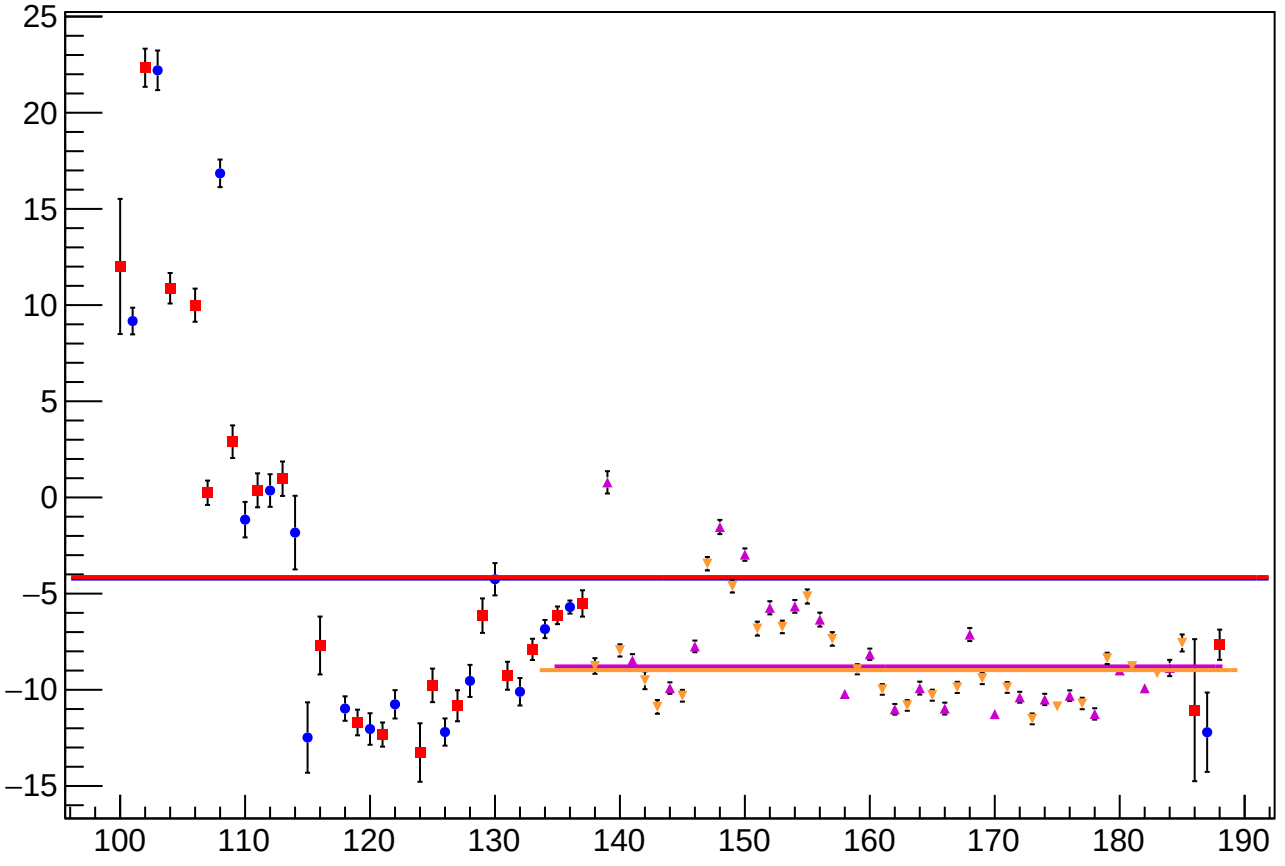
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.410+/-0.064 χ^2/NDF: 4636.3/41

All: -7.353+/-0.045 χ^2/NDF: 8878.9/85

- sign -7.296+/-0.064 χ^2/NDF: 4241.1/43

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.218+/-0.171 χ^2/NDF: 2540.1/16

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -4.139+/-0.172 χ^2/NDF: 2134.9/20

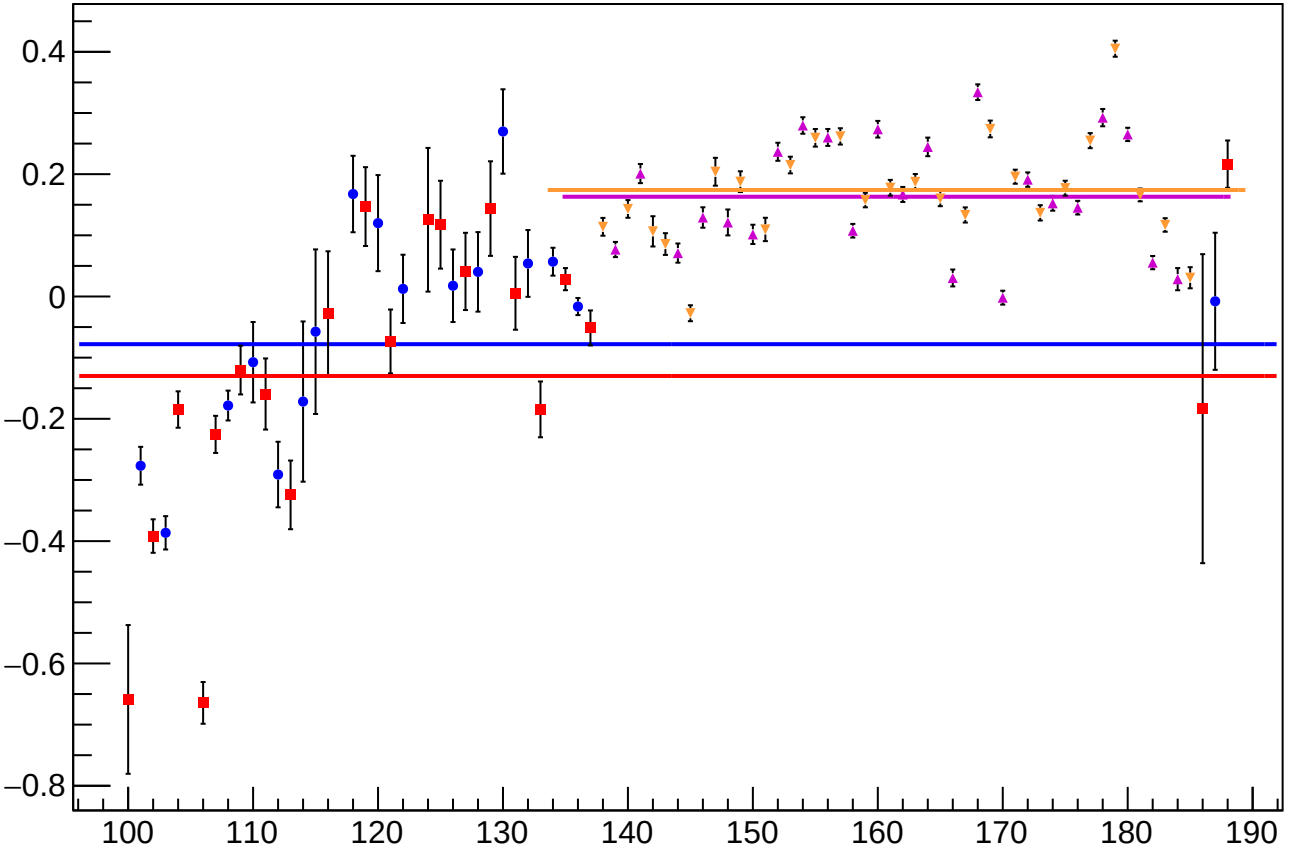
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.435+/-0.058 χ^2/NDF: 4195.6/41

All: -8.334+/-0.041 χ^2/NDF: 8667.0/85

- sign -8.227+/-0.059 χ^2/NDF: 4465.1/43

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.078+/-0.009 χ^2/NDF: 319.2/16

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.130+/-0.009 χ^2/NDF: 609.4/20

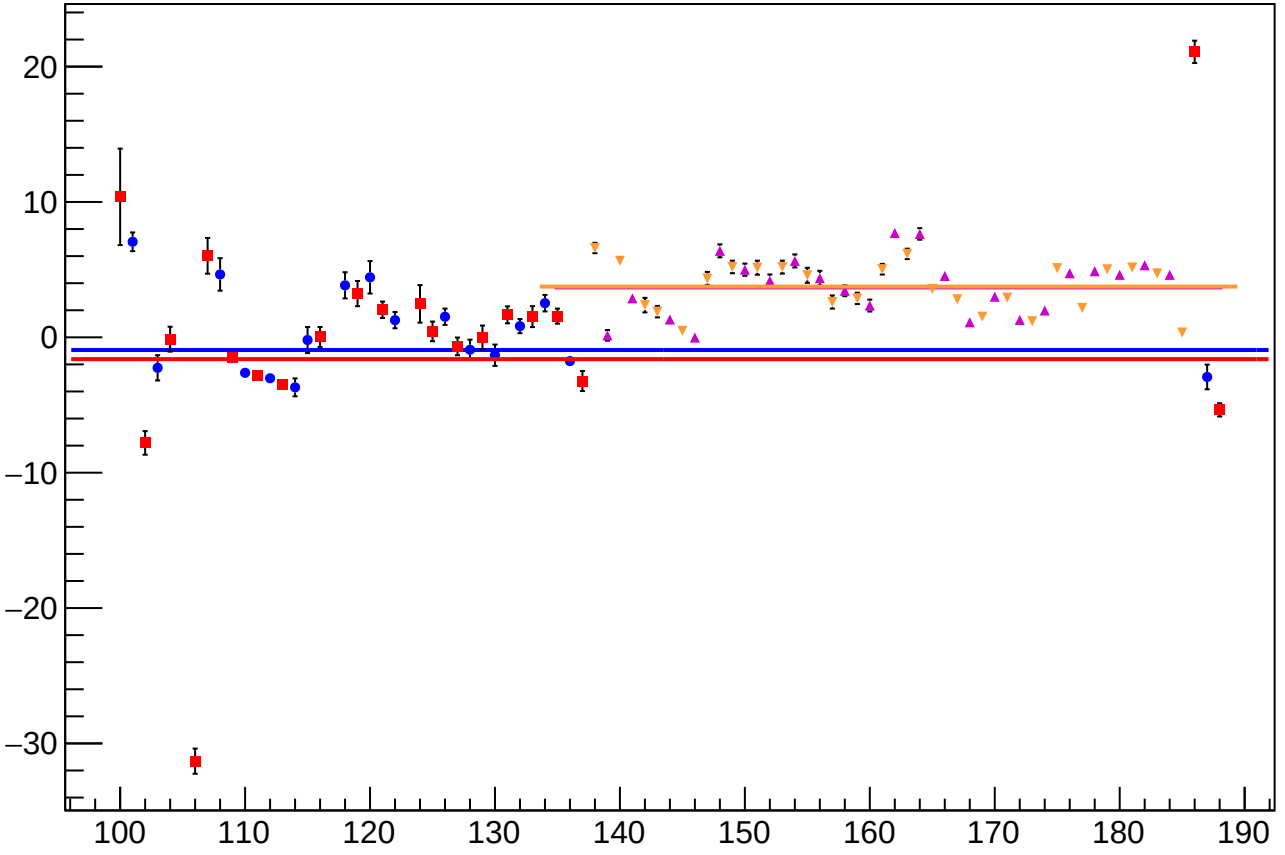
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.151+/-0.003 χ^2/NDF: 2032.5/41

All: 0.144+/-0.002 χ^2/NDF: 4854.4/85

- sign 0.137+/-0.003 χ^2/NDF: 2807.4/43

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.934+/-0.135 χ^2/NDF: 385.1/16

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

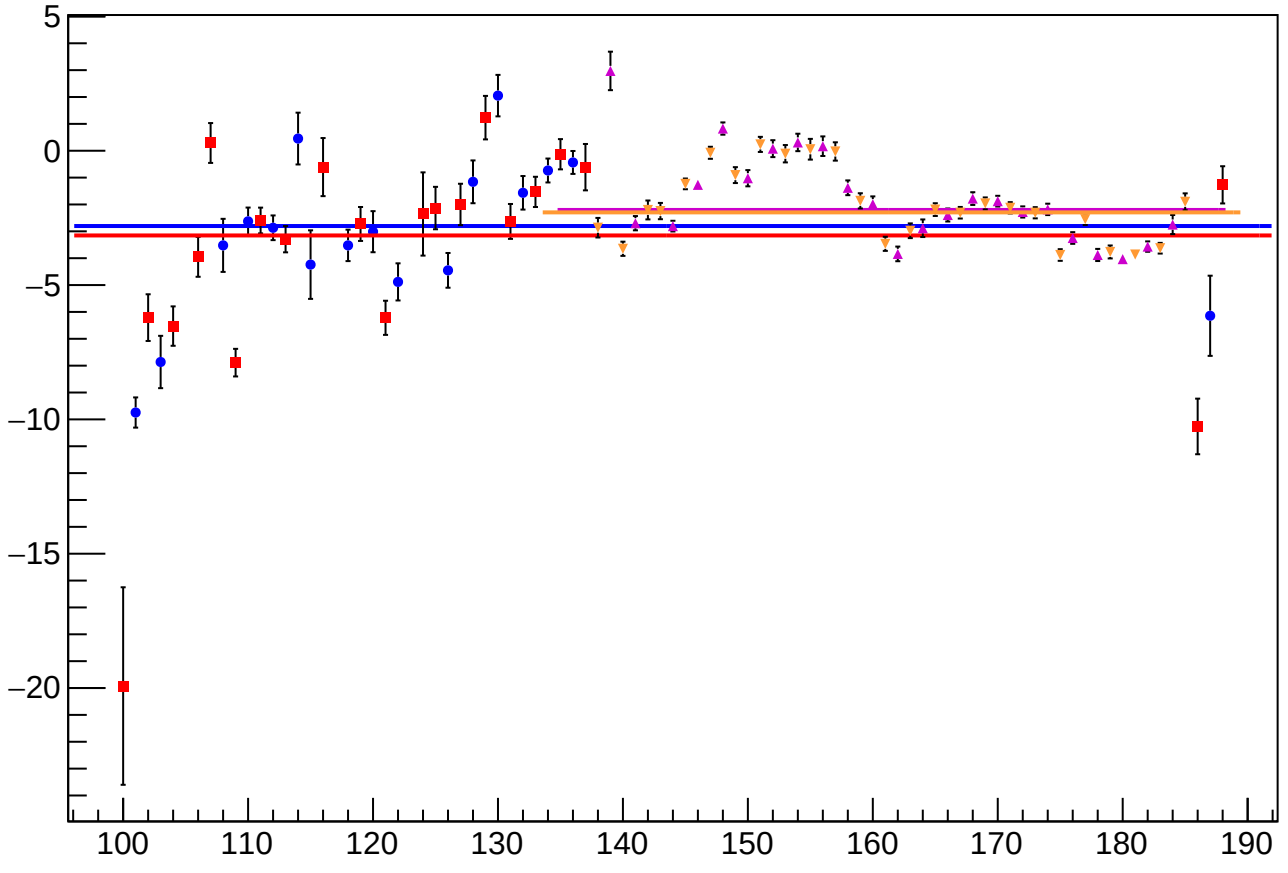
Right Out: -1.610+/-0.123 χ^2/NDF: 2151.4/20

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 2.936+/-0.056 χ^2/NDF: 2188.1/41

All: 2.749+/-0.040 χ^2/NDF: 6779.5/85

- sign 2.559+/-0.057 χ^2/NDF: 4569.2/43



Right In: -2.802+/-0.155 χ^2/NDF: 315.1/16

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -3.153+/-0.152 χ^2/NDF: 327.2/20

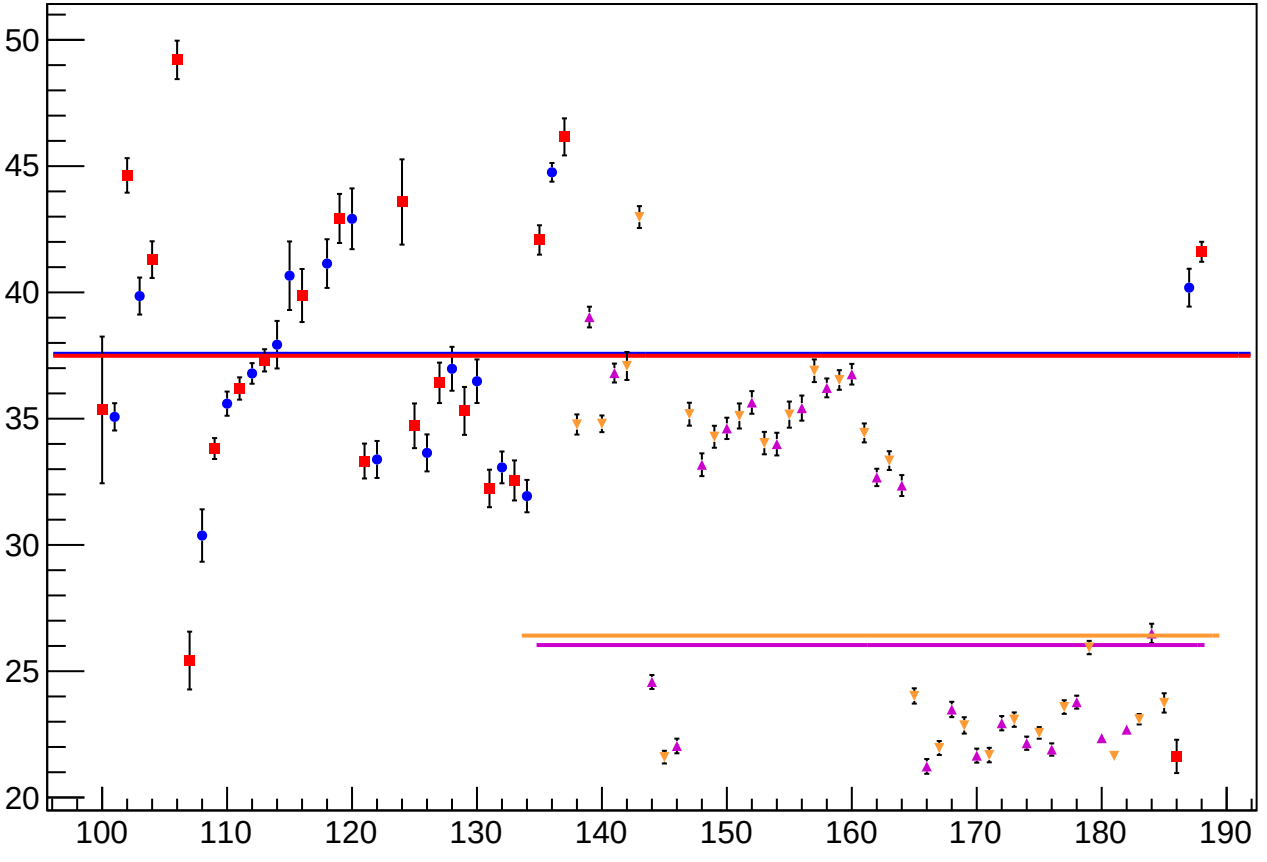
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.341+/-0.047 χ^2/NDF: 956.3/41

All: -2.321+/-0.034 χ^2/NDF: 2043.7/85

- sign -2.299+/-0.048 χ^2/NDF: 1087.0/43

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.569+/-0.157 χ^2/NDF: 719.7/16

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 37.490+/-0.144 χ^2/NDF: 1652.3/20

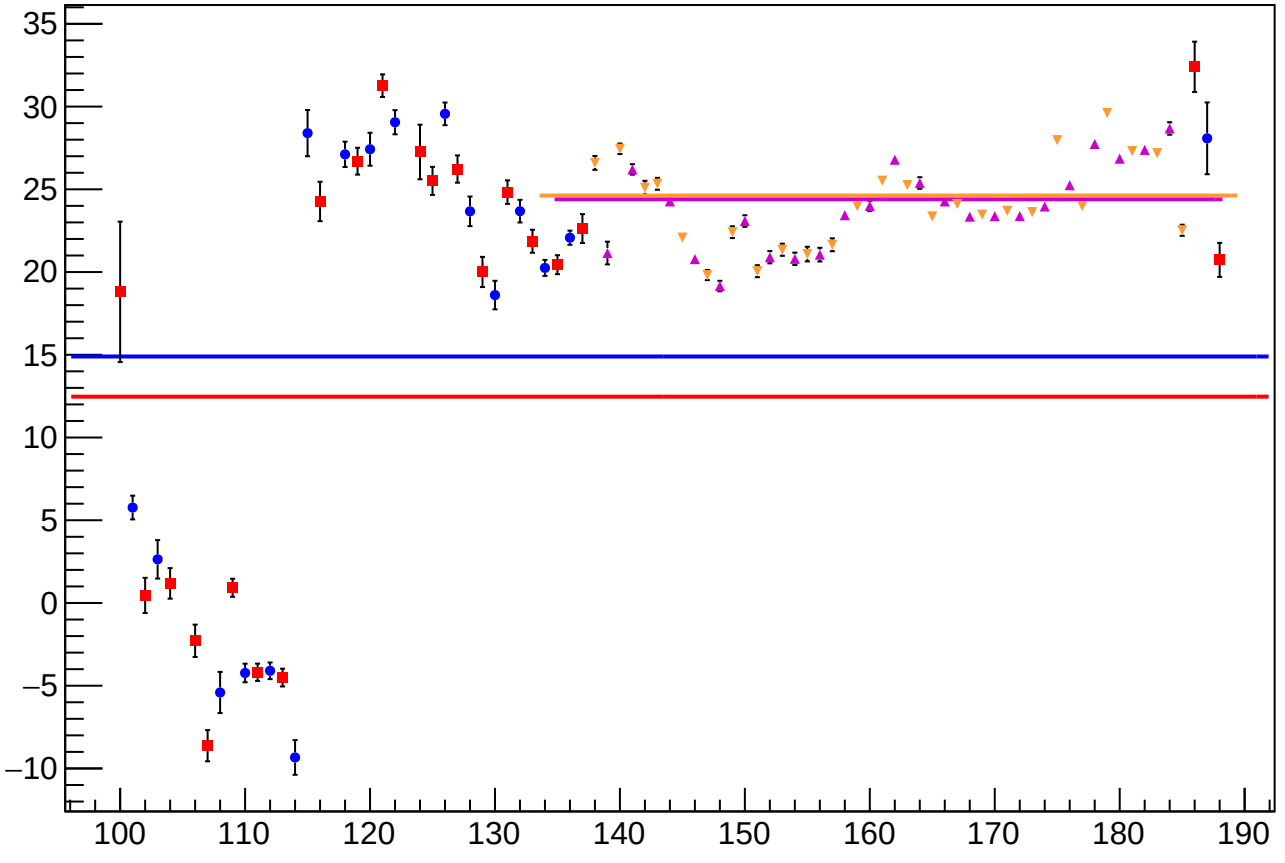
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

\+ sign 27.925+/-0.058 χ^2/NDF: 14299.1/41

All: 27.919+/-0.041 χ^2/NDF: 29063.2/85

\- sign 27.913+/-0.058 χ^2/NDF: 14764.1/43

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.896+/-0.173 χ^2/NDF: 5723.5/16

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.469+/-0.173 χ^2/NDF: 6350.5/20

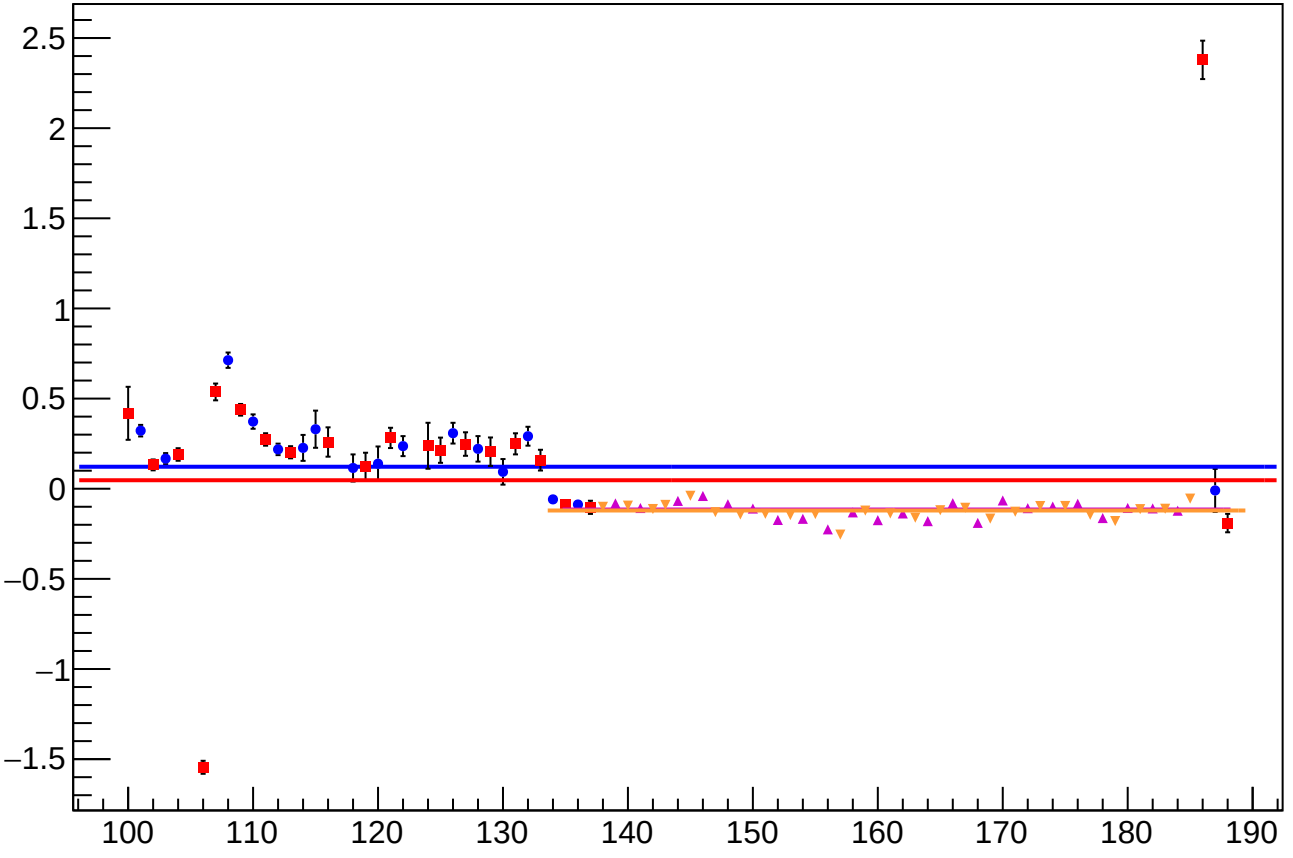
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.729+/-0.053 χ^2/NDF: 10534.3/41

All: 23.495+/-0.038 χ^2/NDF: 22931.5/85

- sign 23.251+/-0.054 χ^2/NDF: 12356.6/43

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.122+/-0.009 χ^2/NDF: 521.2/16

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.047+/-0.010 χ^2/NDF: 2916.7/20

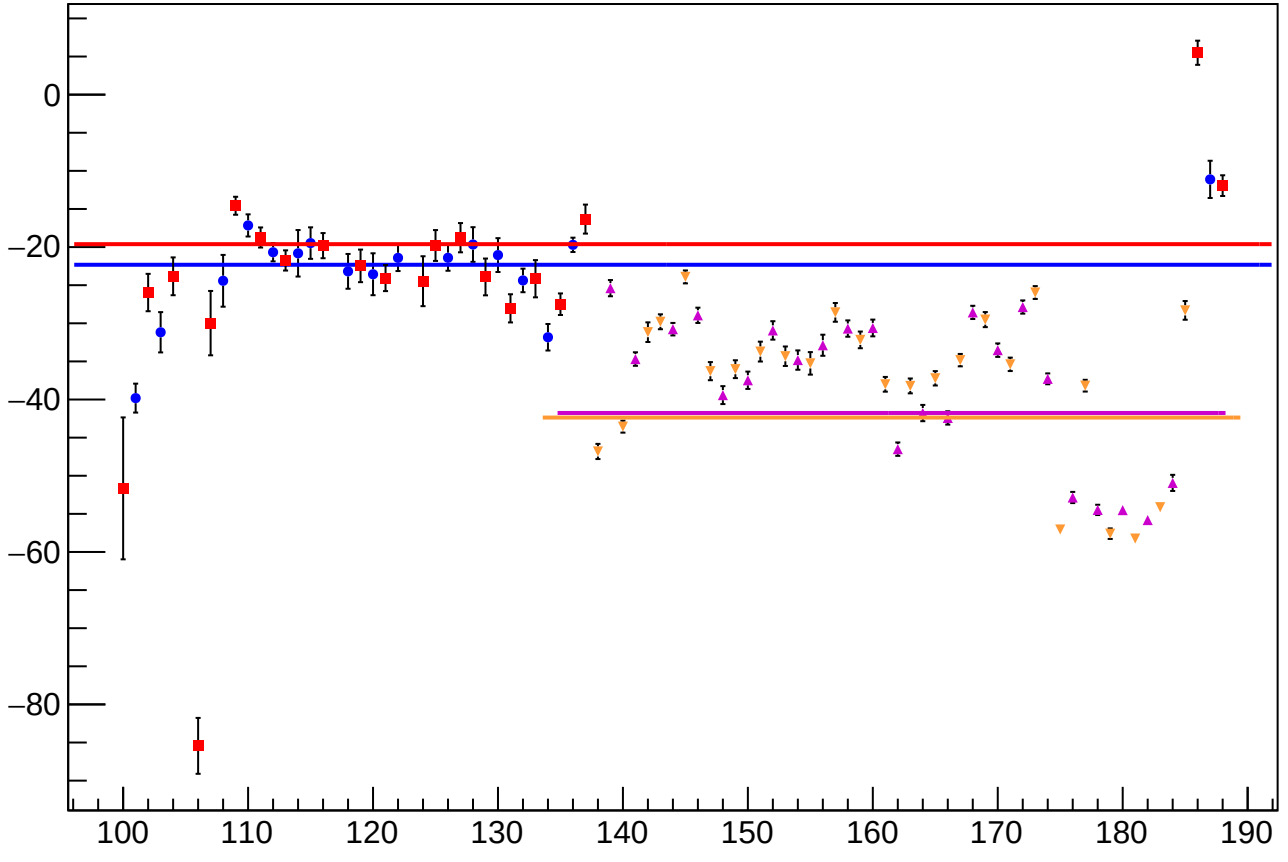
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

\+ sign -0.105+/-0.002 χ^2/NDF: 1410.5/41

All: -0.105+/-0.002 χ^2/NDF: 4887.7/85

\- sign -0.105+/-0.002 χ^2/NDF: 3477.2/43

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -22.320+/-0.428 χ^2/NDF: 176.2/16

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

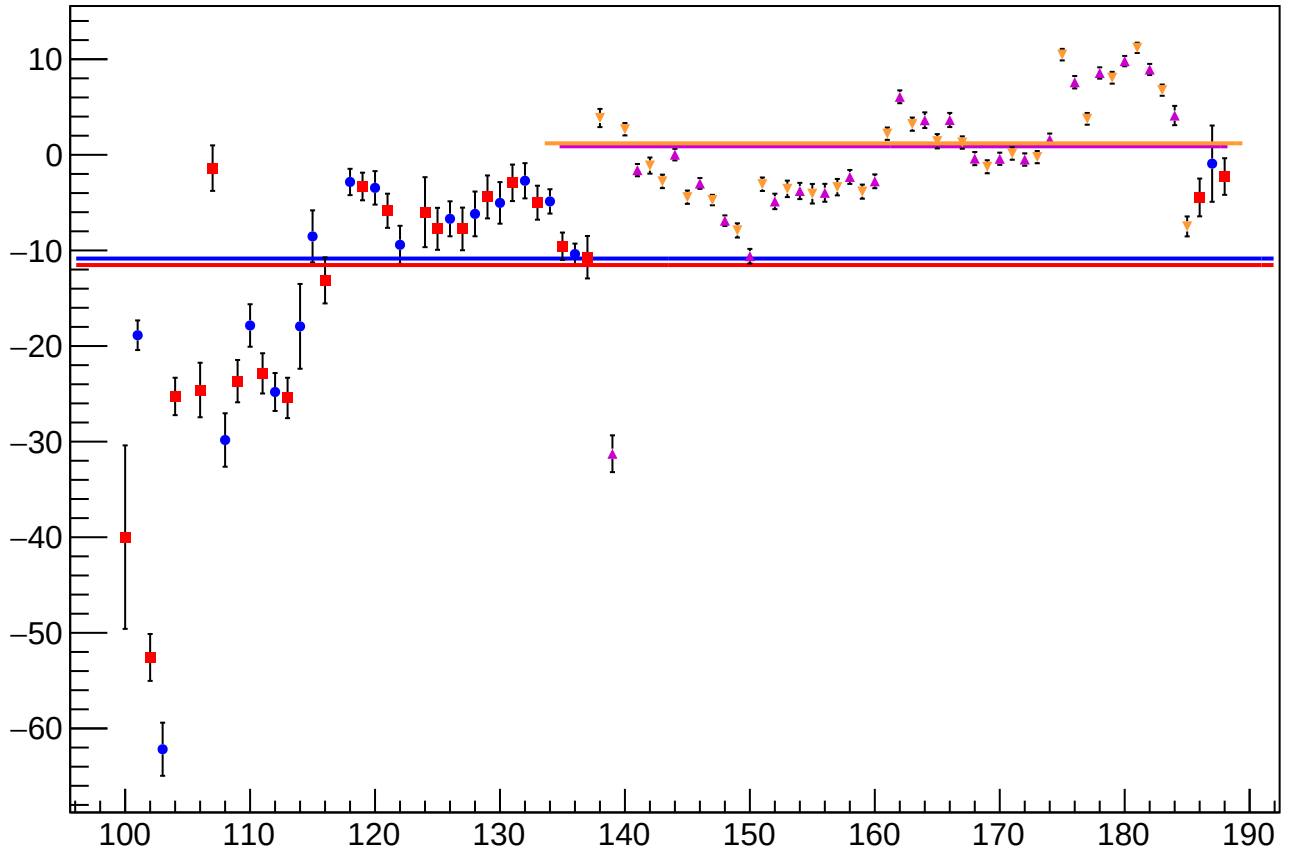
Right Out: -19.616+/-0.401 χ^2/NDF: 726.1/20

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.487+/-0.162 χ^2/NDF: 6533.6/41

All: -38.754+/-0.116 χ^2/NDF: 13291.6/85

- sign -37.990+/-0.166 χ^2/NDF: 6716.3/43



Right In: -10.850+/-0.450 χ^2/NDF: 593.5/16

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

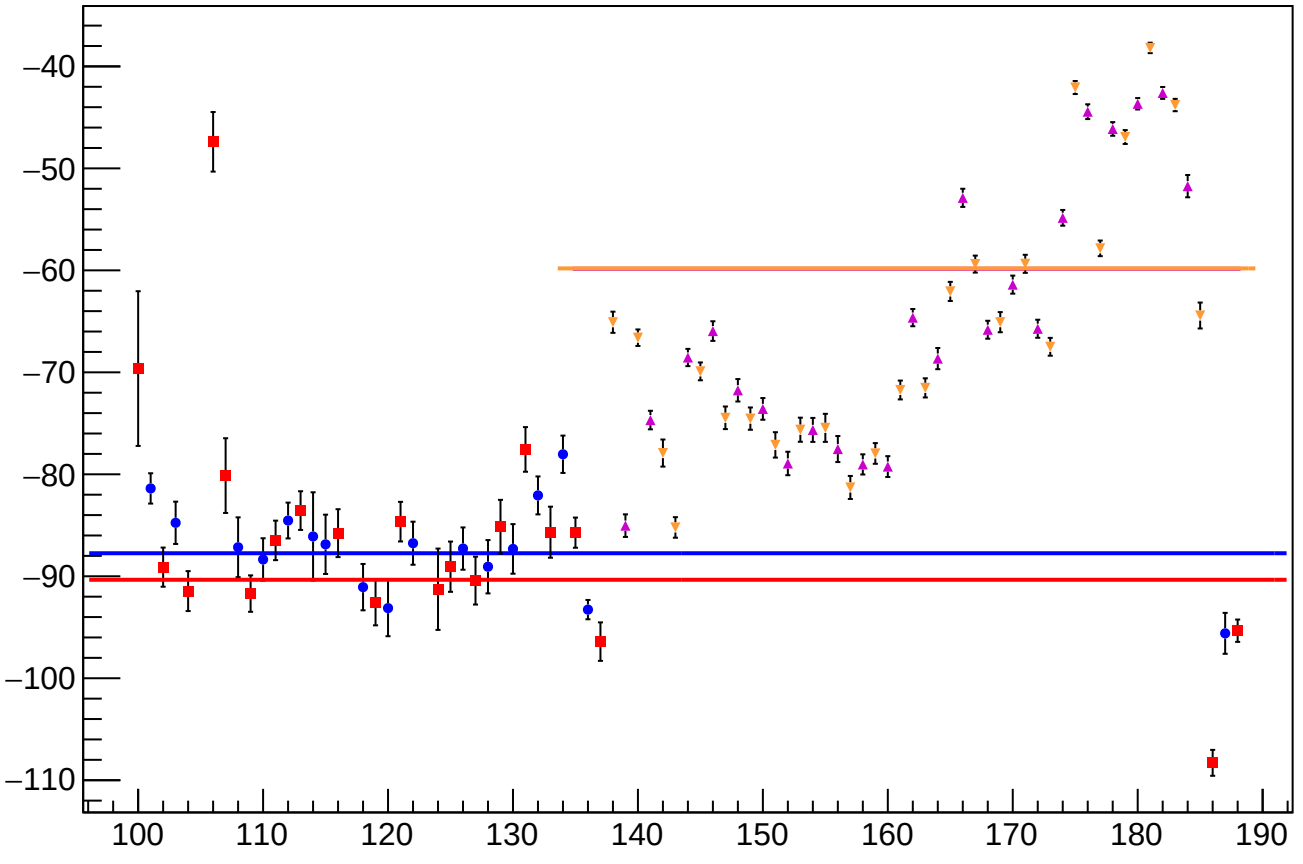
Right Out: -11.529+/-0.454 χ^2/NDF: 612.9/20

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.167+/-0.132 χ^2/NDF: 2711.6/41

All: -0.025+/-0.095 χ^2/NDF: 5773.0/85

- sign -0.230+/-0.136 χ^2/NDF: 3057.0/43



Right In: -87.741+/-0.467 χ^2/NDF: 117.4/16

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

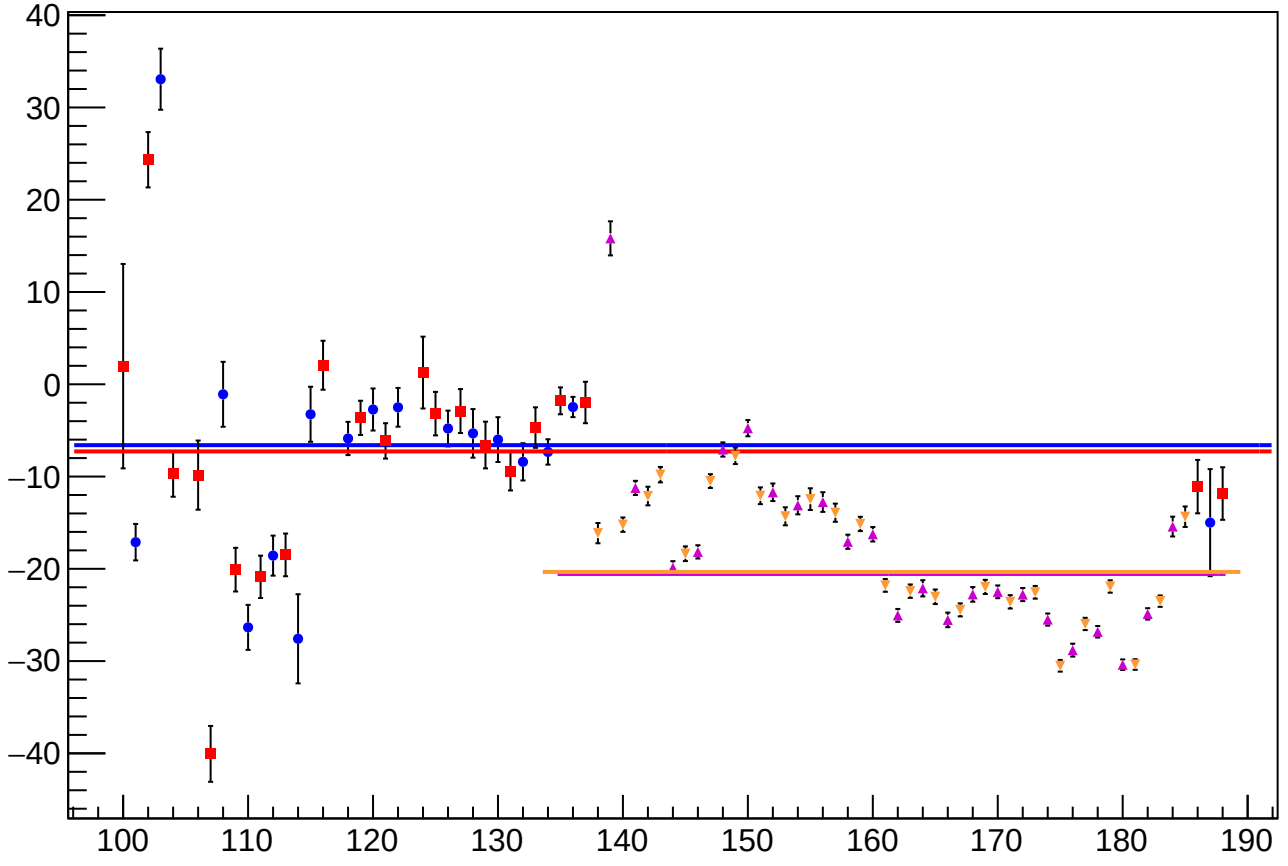
Right Out: -90.343+/-0.432 χ^2/NDF: 545.0/20

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.254+/-0.164 χ^2/NDF: 9893.9/41

All: -63.819+/-0.117 χ^2/NDF: 20236.8/85

- sign -64.404+/-0.167 χ^2/NDF: 10318.8/43



Right In: -6.600+/-0.506 χ^2/NDF: 316.1/16

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -7.278+/-0.523 χ^2/NDF: 372.9/20

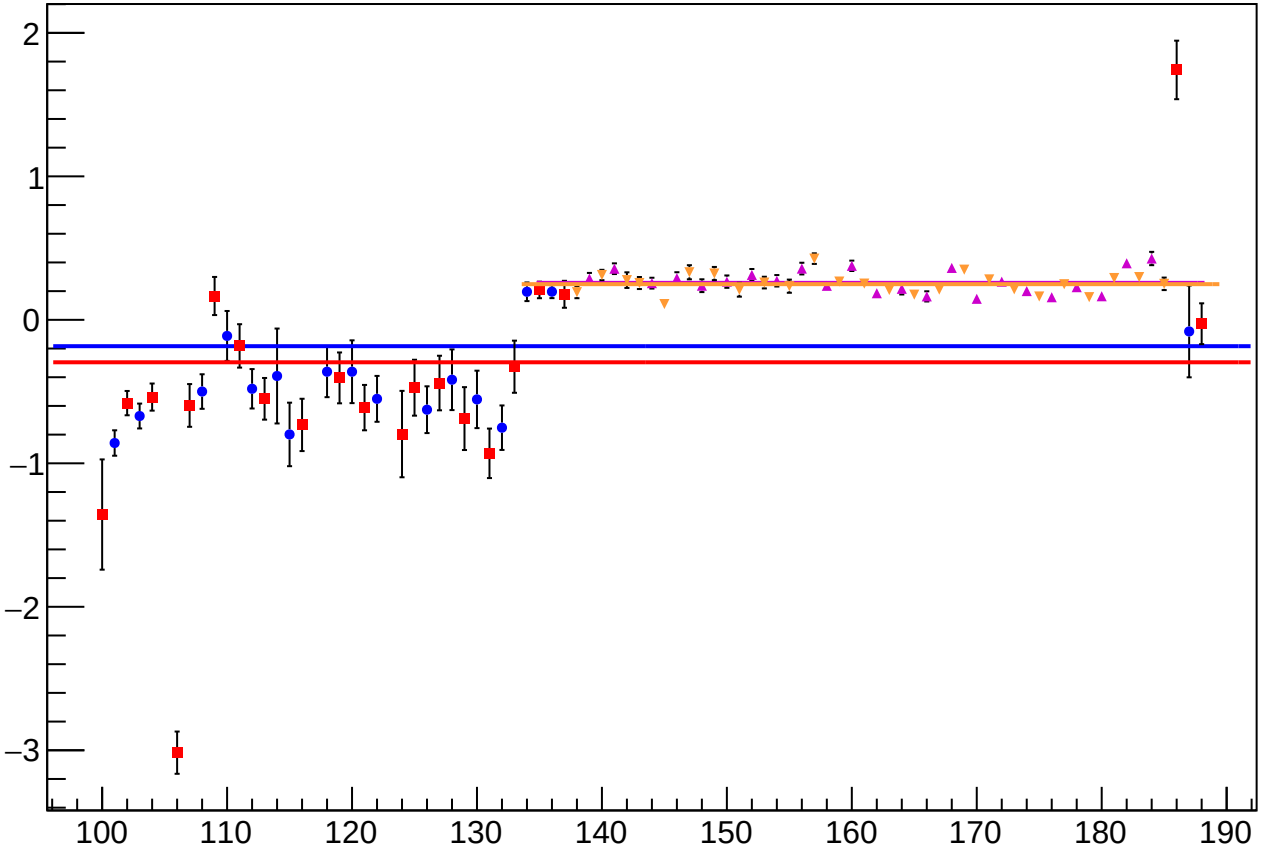
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -19.166+/-0.148 χ^2/NDF: 2691.6/41

All: -19.292+/-0.106 χ^2/NDF: 5848.7/85

- sign -19.426+/-0.153 χ^2/NDF: 3155.6/43

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.184+/-0.027 χ^2/NDF: 247.4/16

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.296+/-0.028 χ^2/NDF: 623.2/20

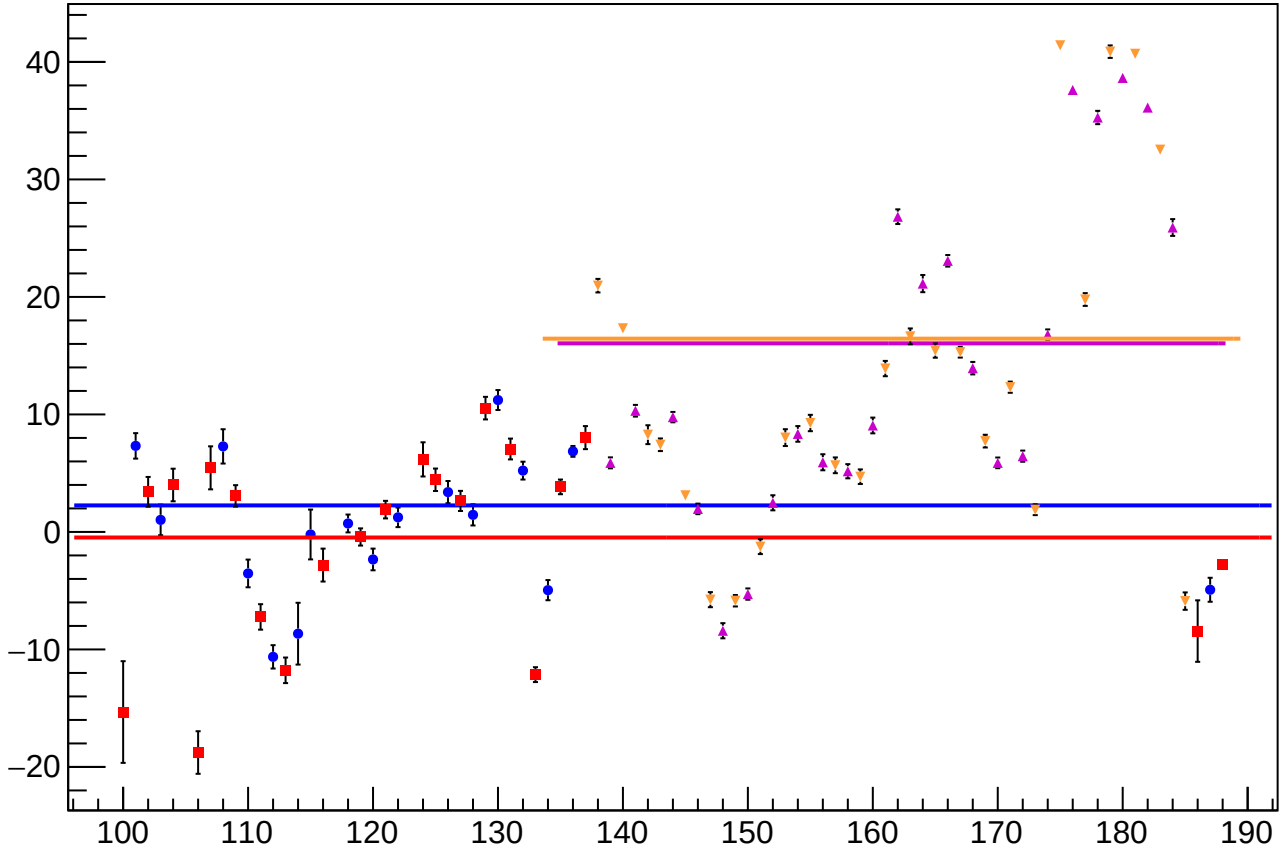
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.221+/-0.007 χ^2/NDF: 586.5/41

All: 0.223+/-0.005 χ^2/NDF: 1700.7/85

- sign 0.225+/-0.007 χ^2/NDF: 1114.1/43

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.257+/-0.219 χ^2/NDF: 625.0/16

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

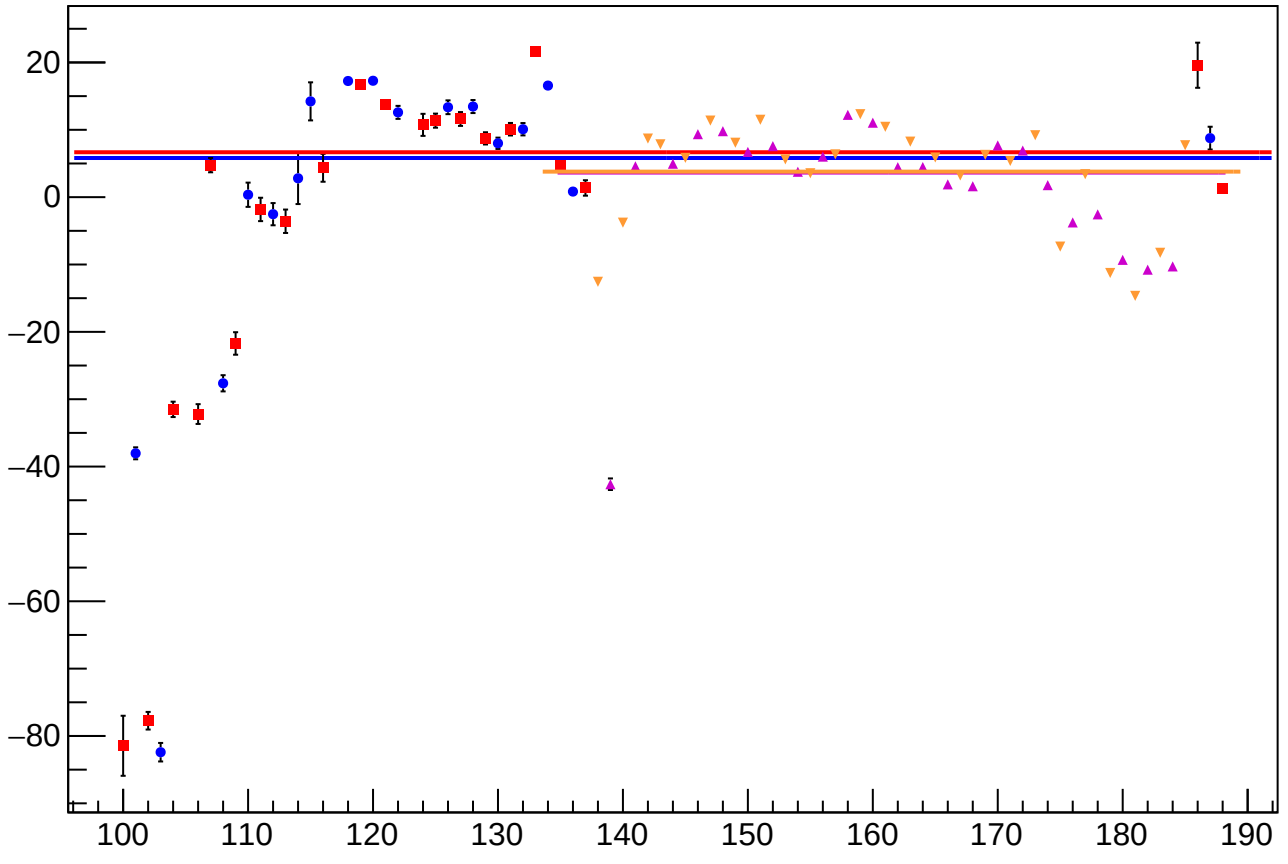
Right Out: -0.474+/-0.191 χ^2/NDF: 1091.3/20

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 13.835+/-0.094 χ^2/NDF: 25454.8/41

All: 12.955+/-0.066 χ^2/NDF: 50046.0/85

- sign 12.084+/-0.093 χ^2/NDF: 24416.8/43



Right In: 5.813+/-0.208 χ^2/NDF: 8936.9/16

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: 6.669+/-0.195 χ^2/NDF: 8513.1/20

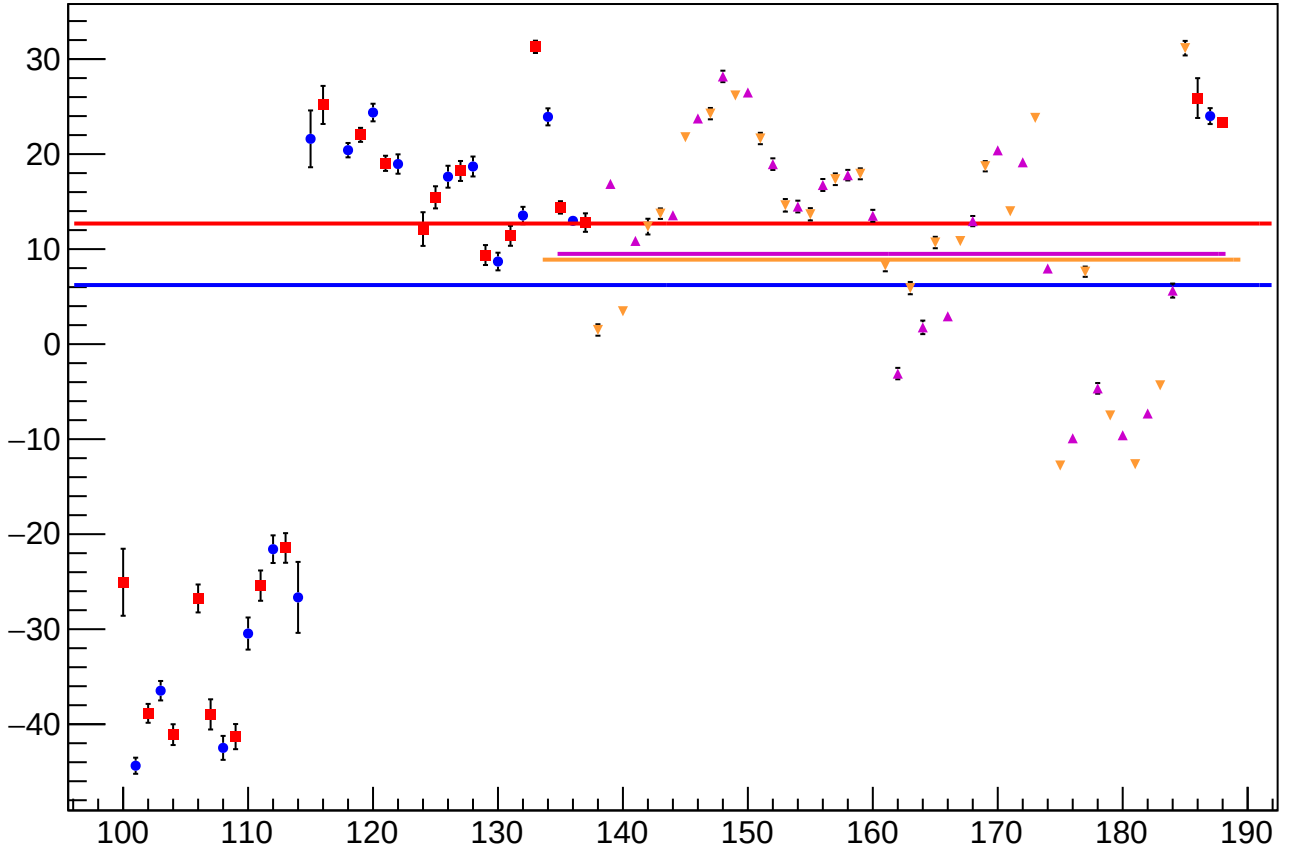
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 4.051+/-0.075 χ^2/NDF: 18119.8/41

All: 4.081+/-0.053 χ^2/NDF: 35147.3/85

- sign 4.112+/-0.076 χ^2/NDF: 17027.1/43

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 6.218+/-0.228 χ^2/NDF: 9982.0/16

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

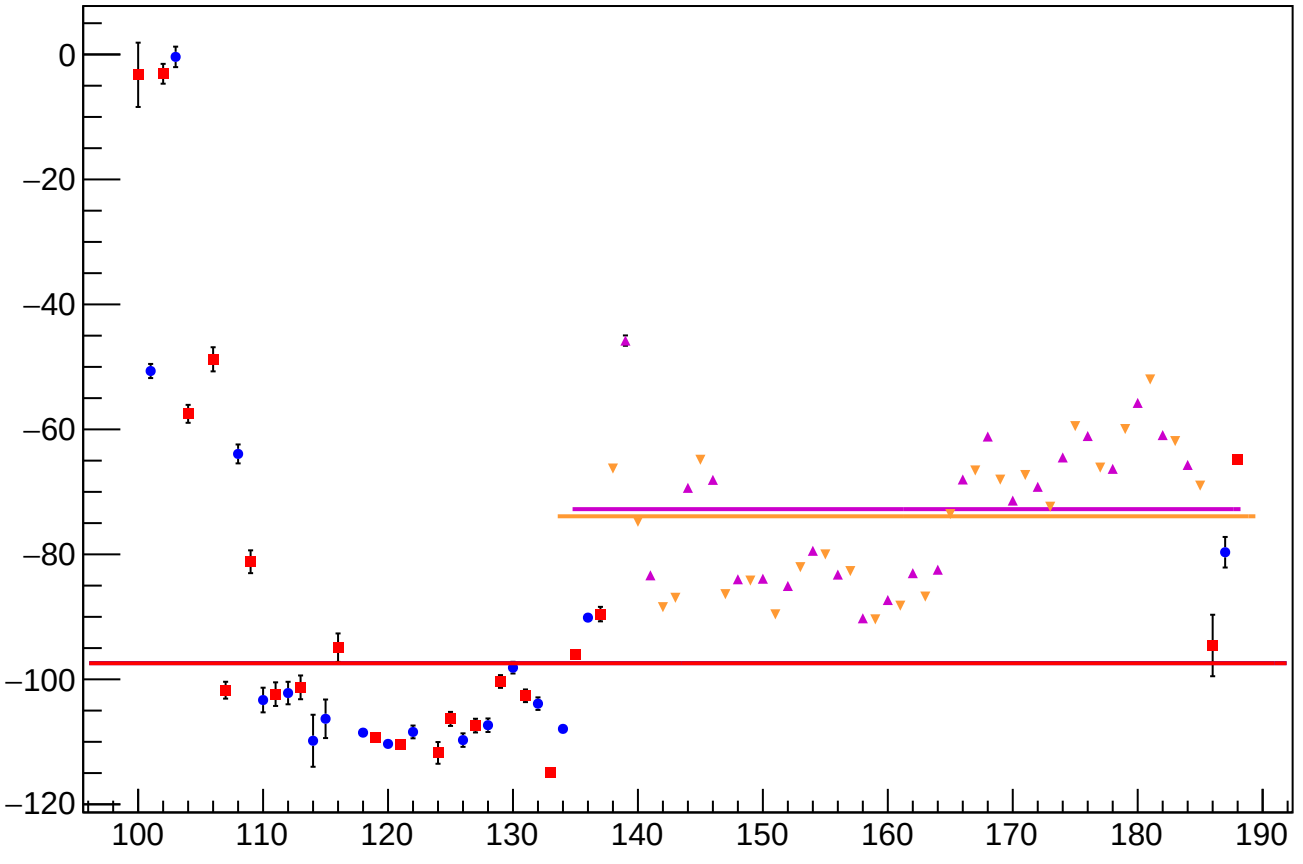
Right Out: 12.692+/-0.188 χ^2/NDF: 12119.0/20

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 8.435+/-0.094 χ^2/NDF: 25523.7/41

All: 9.374+/-0.066 χ^2/NDF: 51096.2/85

- sign 10.277+/-0.093 χ^2/NDF: 25378.6/43



Right In: -97.408+/-0.241 χ^2/NDF: 7197.4/16

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -97.426+/-0.230 χ^2/NDF: 8943.1/20

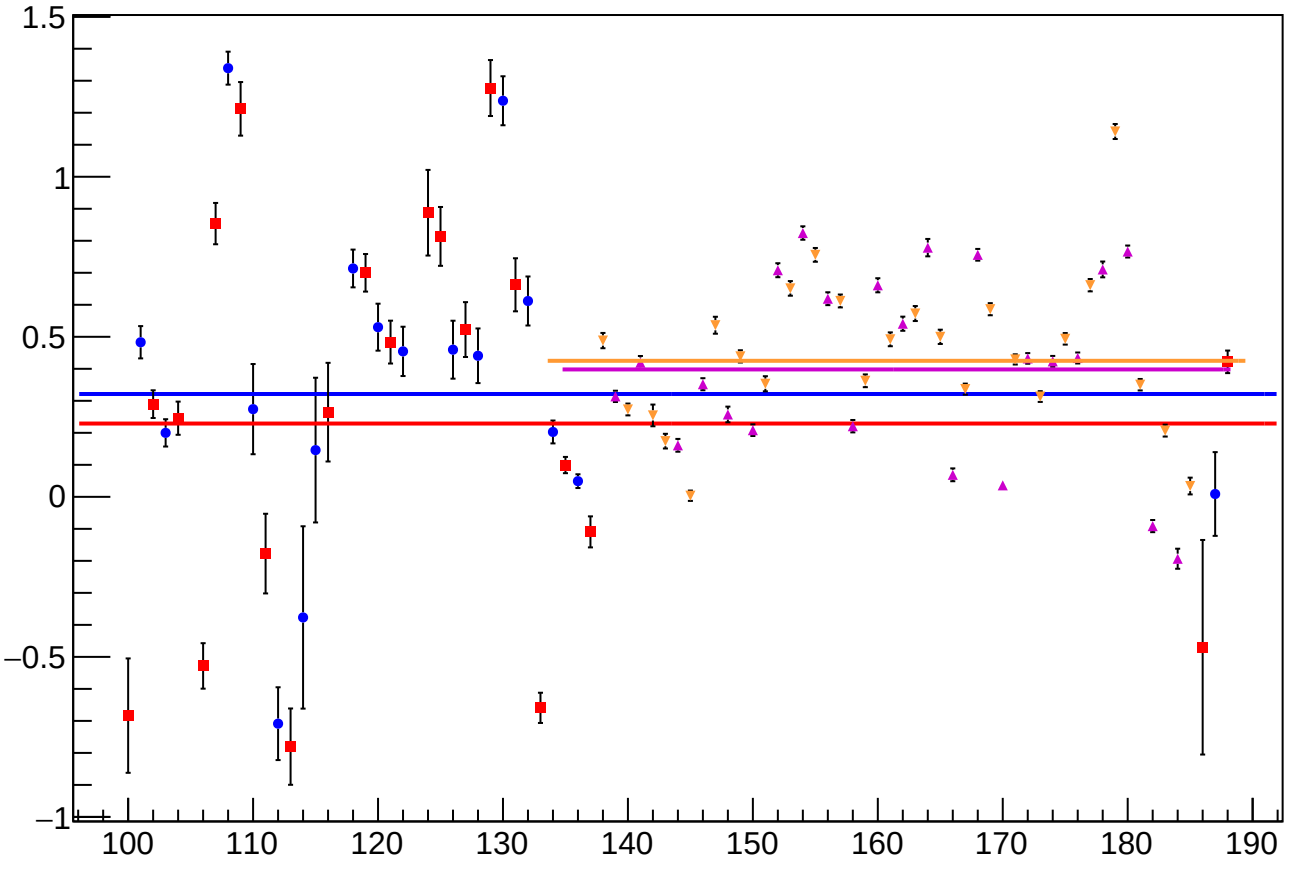
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

\+ sign -76.819+/-0.085 χ^2/NDF: 31128.4/41

All: -76.536+/-0.061 χ^2/NDF: 62552.0/85

\- sign -76.240+/-0.087 χ^2/NDF: 31400.7/43

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.321+/-0.013 χ^2/NDF: 892.3/16

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

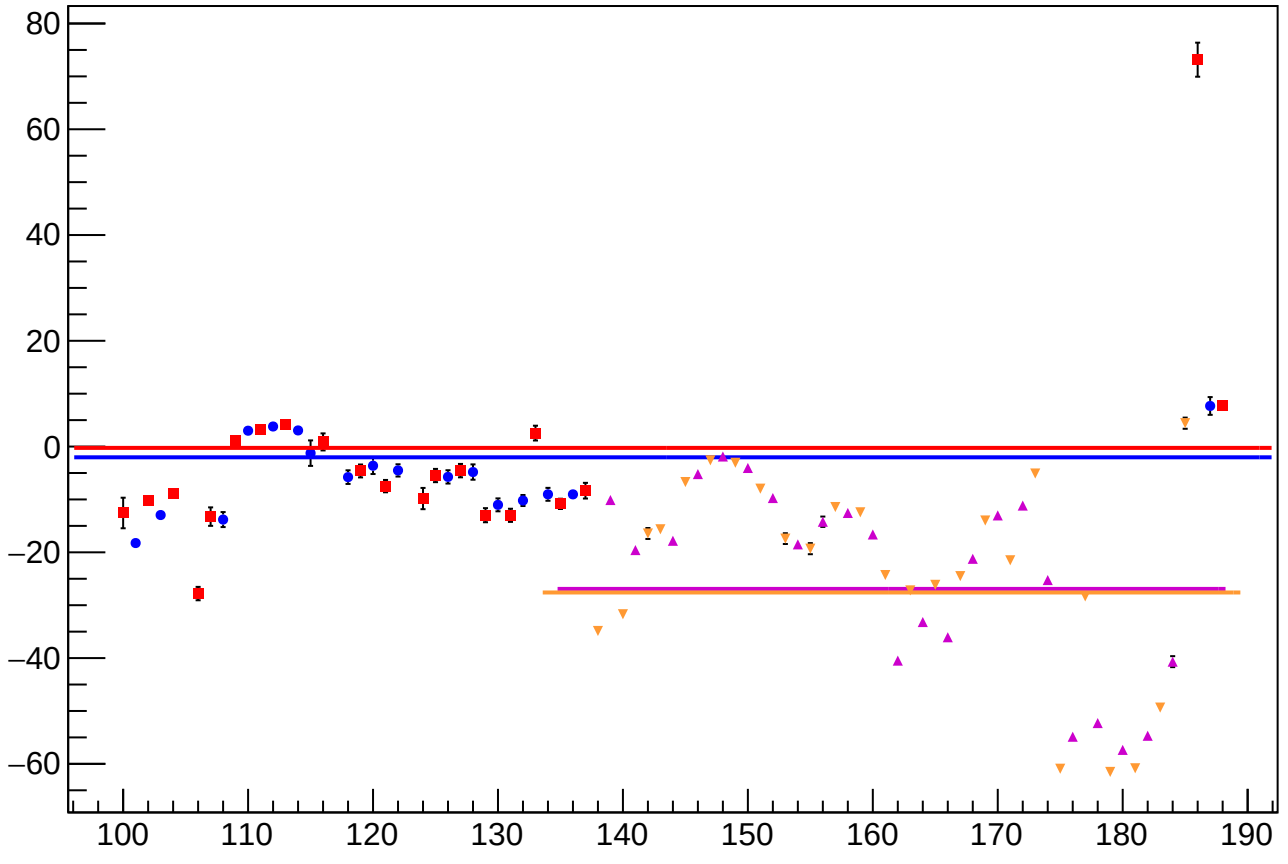
Right Out: 0.229+/-0.013 χ^2/NDF: 1244.8/20

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.416+/-0.004 χ^2/NDF: 3984.0/41

All: 0.399+/-0.003 χ^2/NDF: 9693.6/85

- sign 0.382+/-0.004 χ^2/NDF: 5672.1/43



Right In: -2.032+/-0.191 χ^2/NDF: 1524.9/16

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -0.251+/-0.166 χ^2/NDF: 2105.5/20

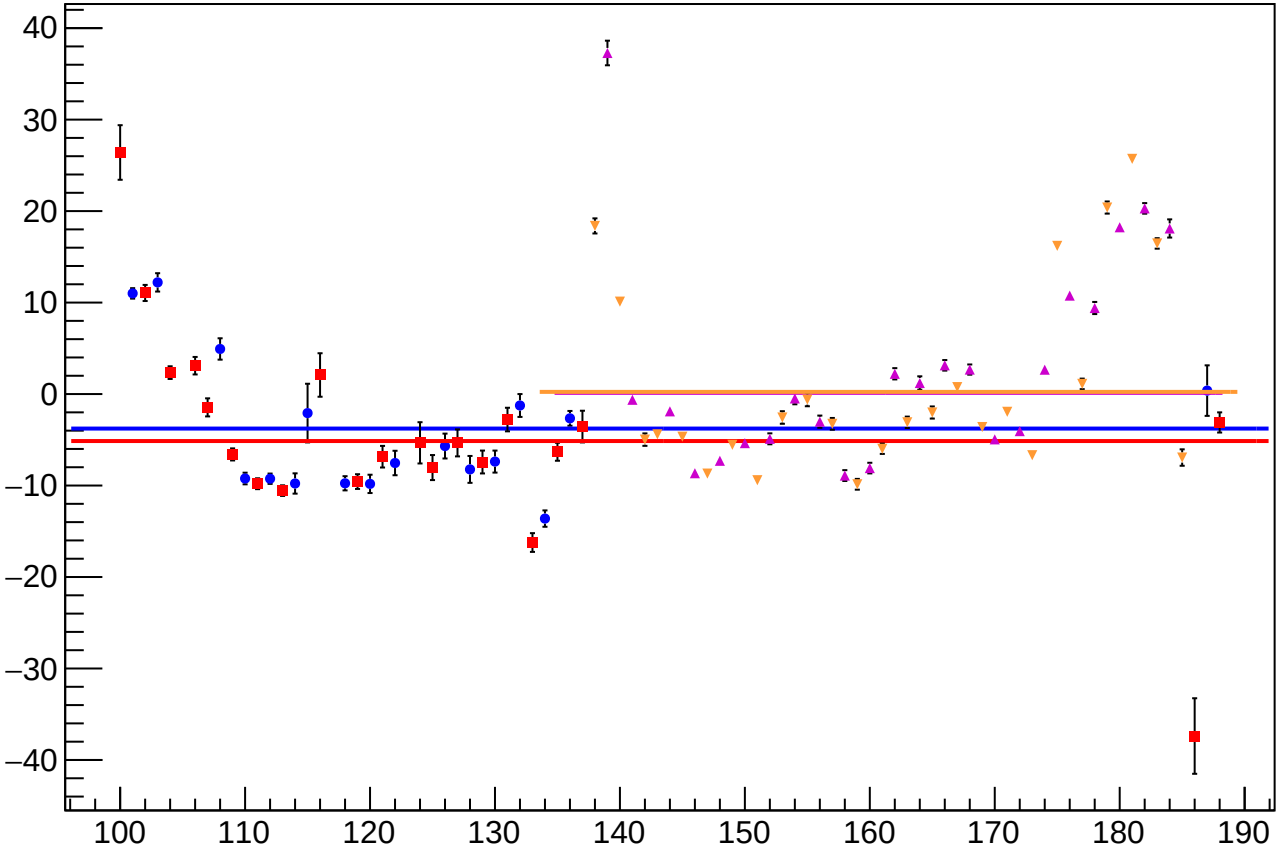
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.289+/-0.115 χ^2/NDF: 32708.3/41

All: -16.592+/-0.080 χ^2/NDF: 65030.2/85

- sign -15.013+/-0.111 χ^2/NDF: 31902.2/43

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.773+/-0.225 χ^2/NDF: 1427.8/16

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -5.136+/-0.214 χ^2/NDF: 1044.9/20

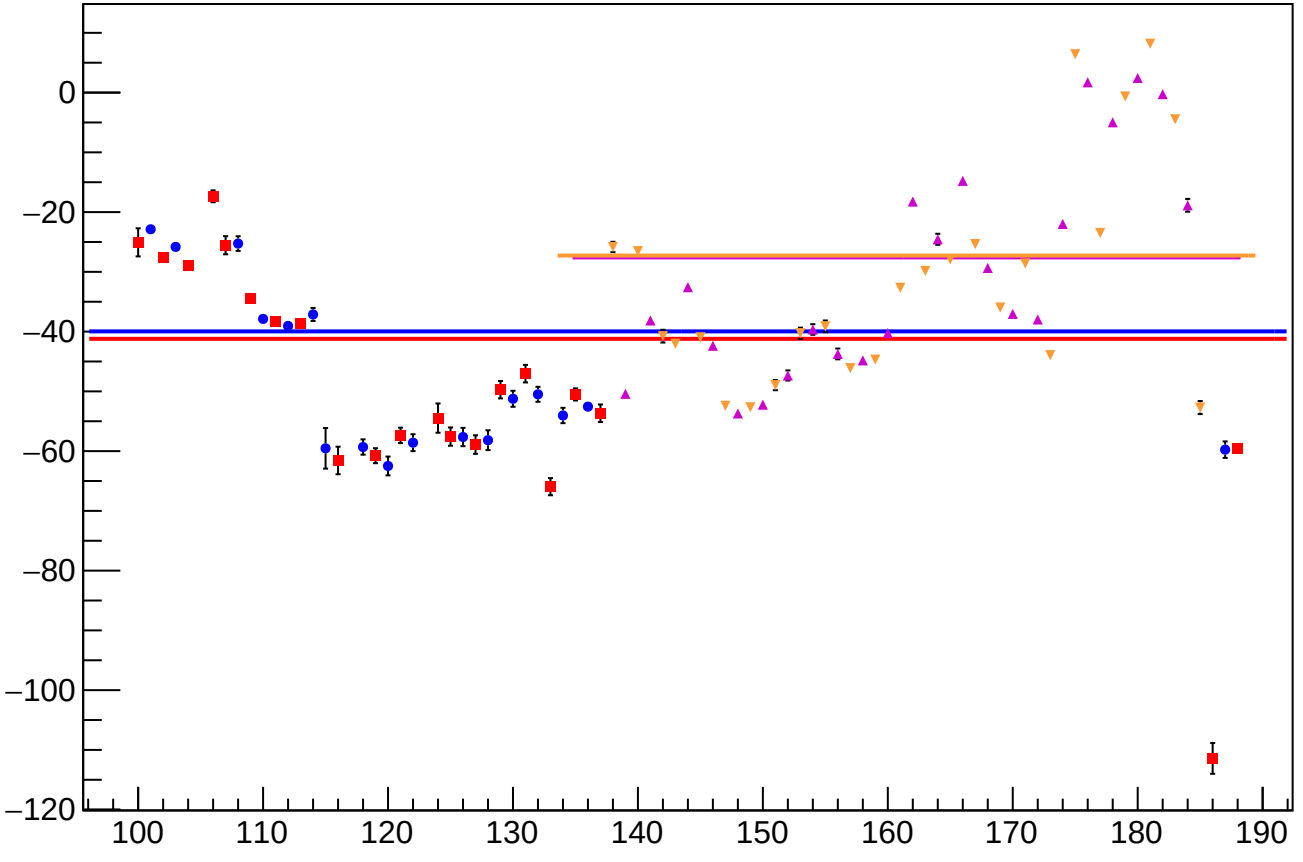
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

\+ sign -0.539+/-0.099 χ^2/NDF: 9719.7/41

All: -0.784+/-0.071 χ^2/NDF: 17084.8/85

\- sign -1.038+/-0.101 χ^2/NDF: 7352.6/43

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.960+/-0.223 χ^2/NDF: 3169.3/16

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.205+/-0.201 χ^2/NDF: 4530.8/20

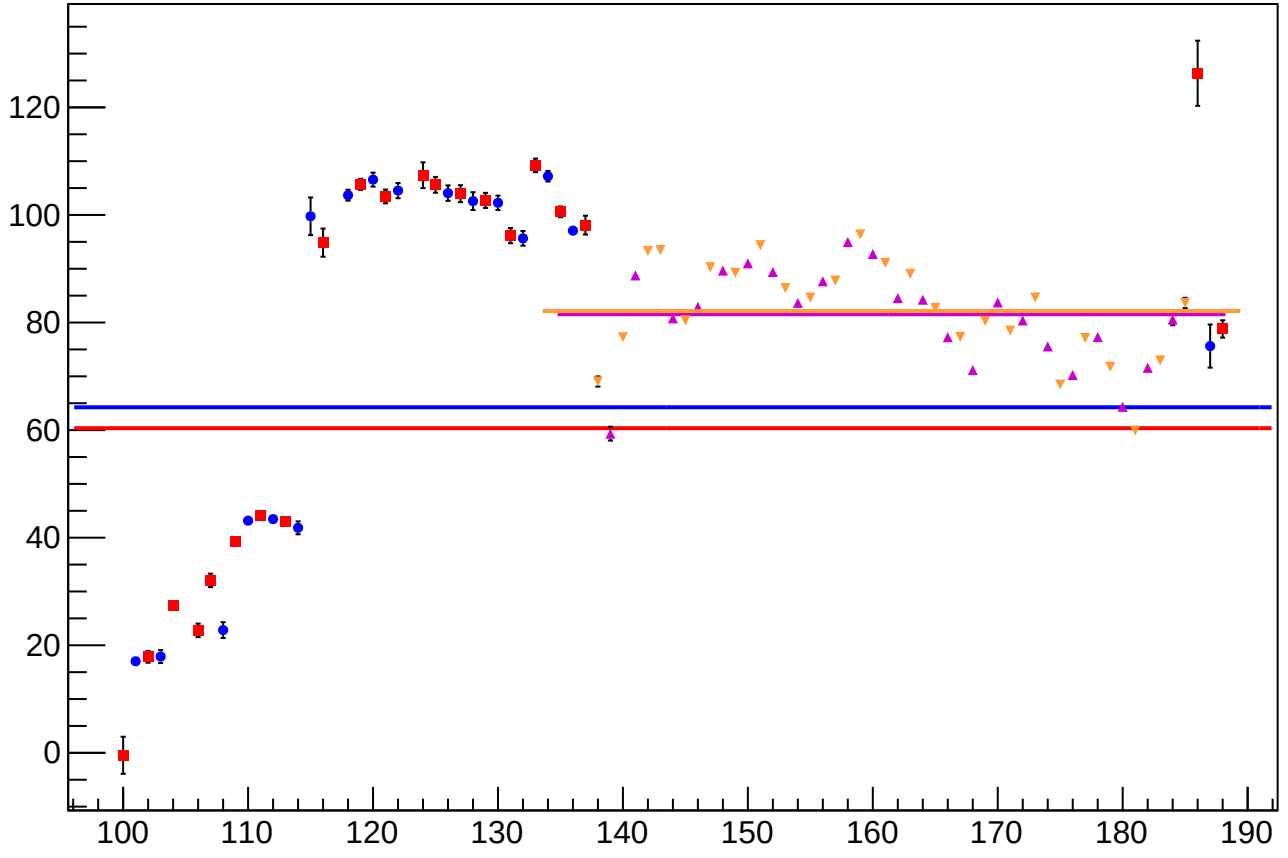
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.013+/-0.121 χ^2/NDF: 23989.2/41

All: -31.713+/-0.085 χ^2/NDF: 47219.2/85

- sign -32.395+/-0.119 χ^2/NDF: 23163.7/43

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.243+/-0.257 χ^2/NDF: 18604.5/16

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 60.355+/-0.246 χ^2/NDF: 17685.3/20

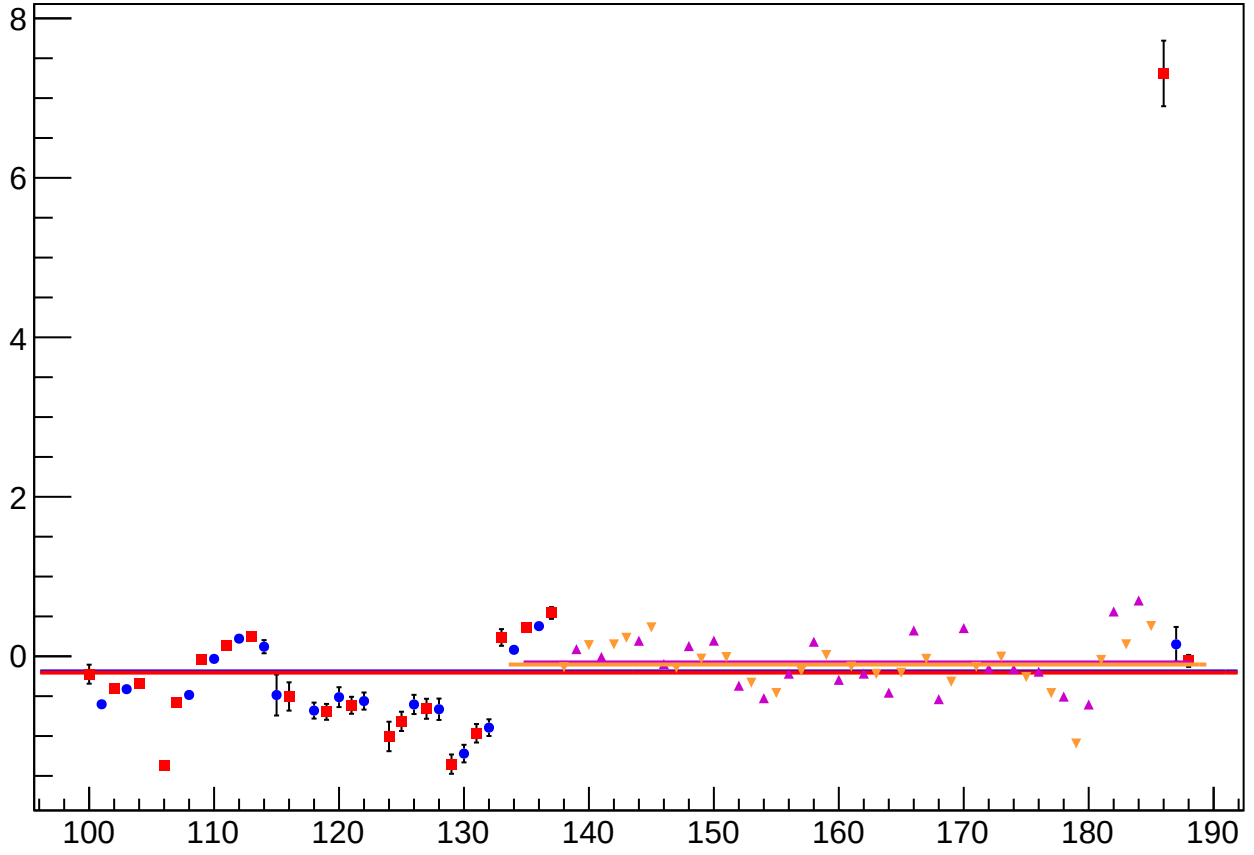
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.721+/-0.112 χ^2/NDF: 27903.2/41

All: 77.857+/-0.080 χ^2/NDF: 55583.4/85

- sign 76.962+/-0.114 χ^2/NDF: 27559.3/43

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.190+/-0.013 χ^2/NDF: 920.8/16

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.204+/-0.013 χ^2/NDF: 1706.9/20

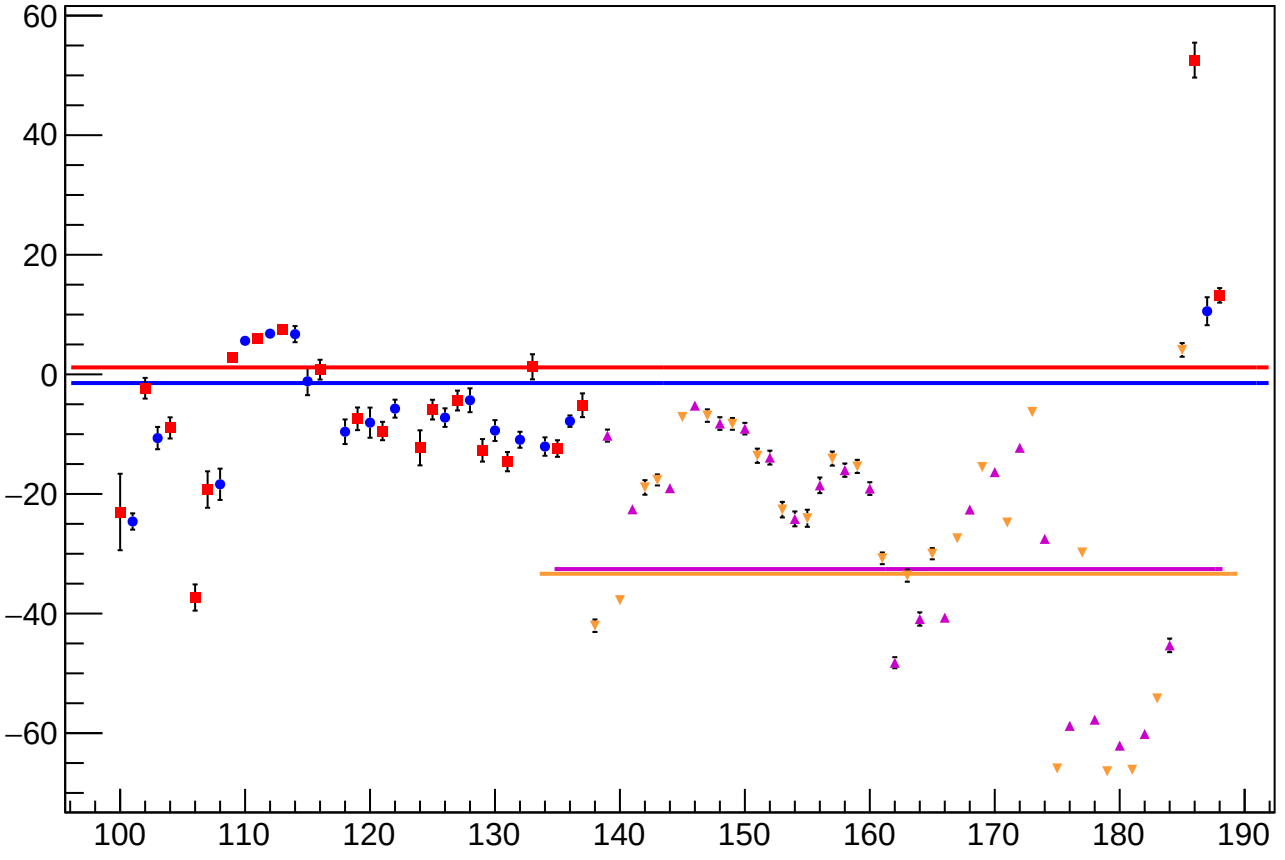
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.116+/-0.005 χ^2/NDF: 3364.5/41

All: -0.107+/-0.004 χ^2/NDF: 8481.2/85

- sign -0.098+/-0.005 χ^2/NDF: 5111.0/43

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.452+/-0.305 χ^2/NDF: 927.1/16

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: 1.167+/-0.273 χ^2/NDF: 1354.7/20

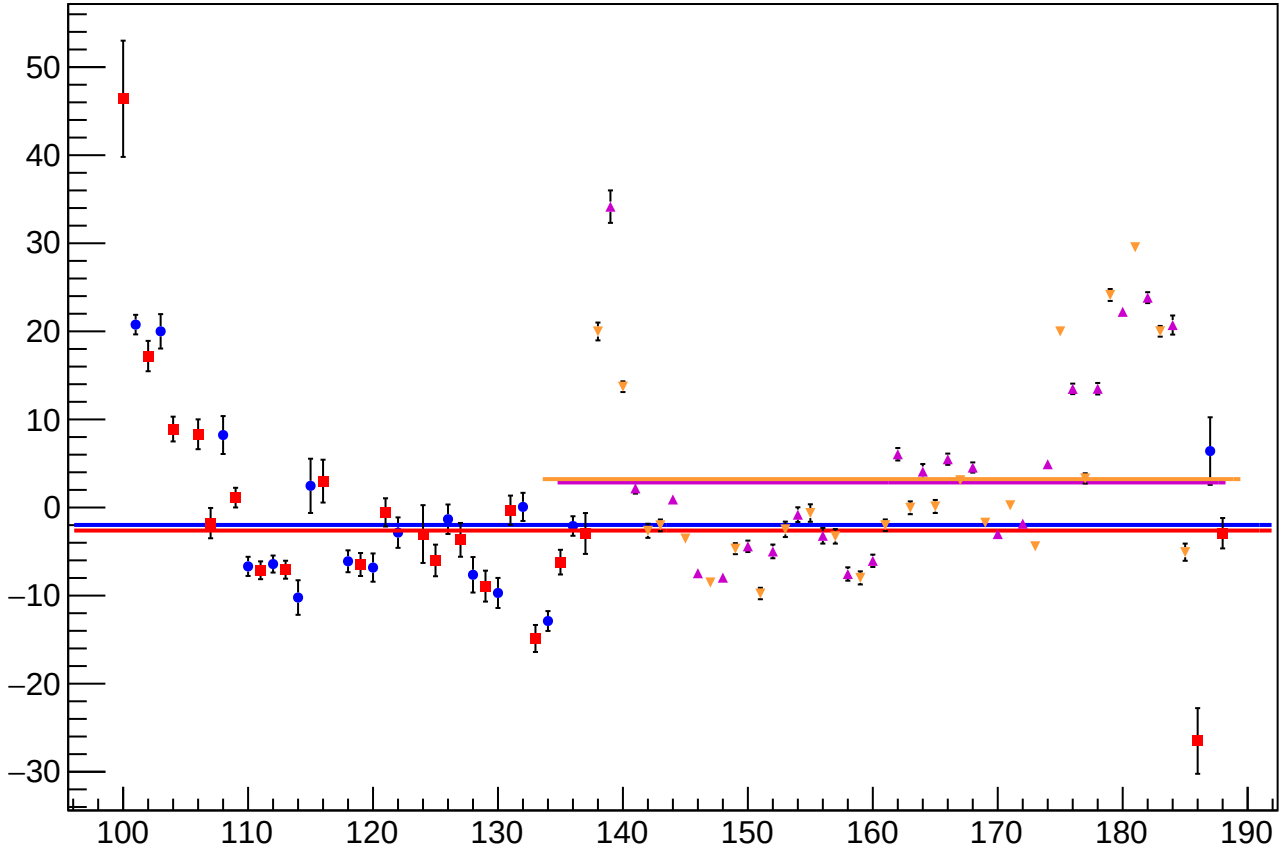
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.168+/-0.145 χ^2/NDF: 27366.1/41

All: -24.676+/-0.102 χ^2/NDF: 53819.7/85

- sign -23.203+/-0.144 χ^2/NDF: 26243.0/43

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: -1.978+/-0.355 χ^2/NDF: 776.7/16

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -2.615+/-0.346 χ^2/NDF: 492.4/20

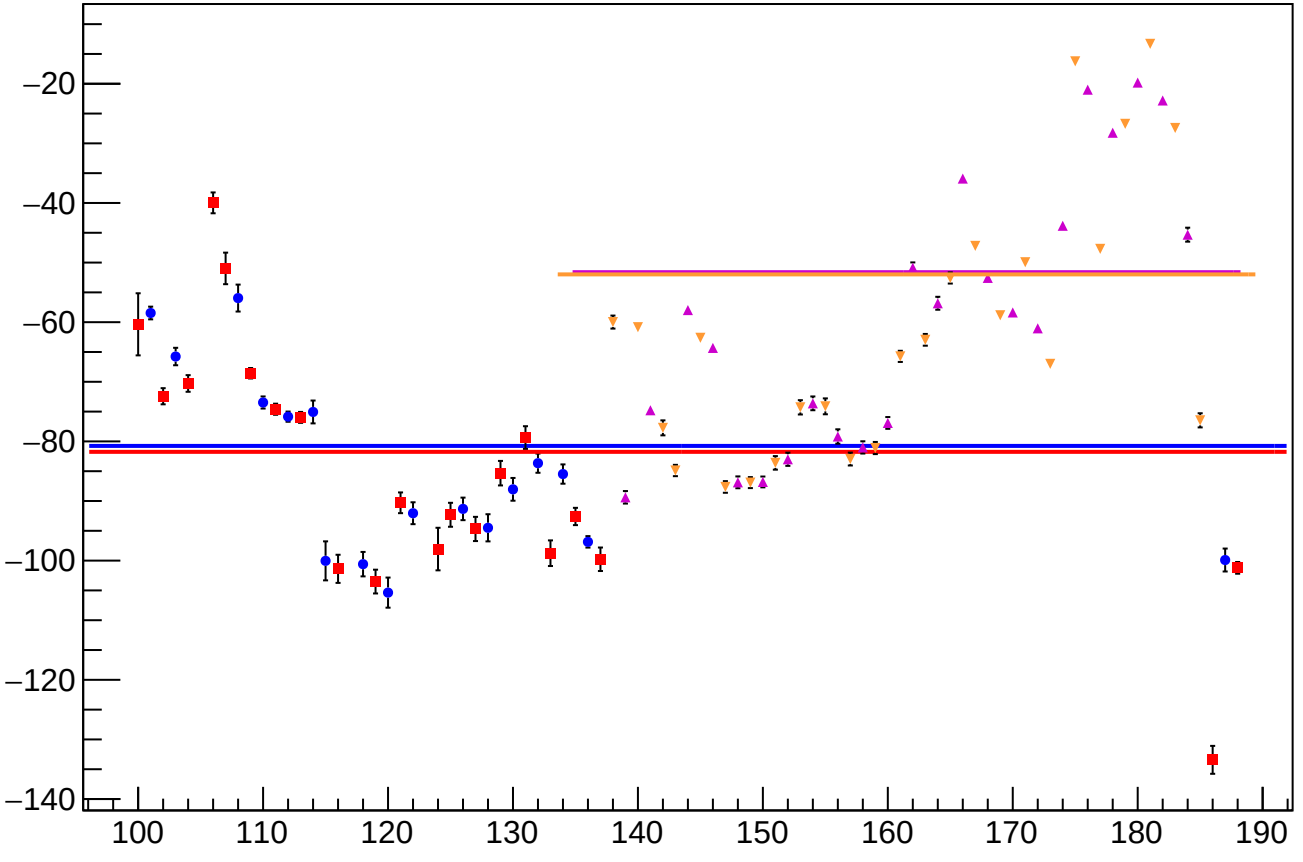
Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.624+/-0.120 χ^2/NDF: 8642.7/41

All: 2.396+/-0.086 χ^2/NDF: 14815.1/85

- sign 2.160+/-0.123 χ^2/NDF: 6165.2/43

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -80.757+/-0.358 χ^2/NDF: 1489.9/16

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -81.752+/-0.329 χ^2/NDF: 2548.8/20

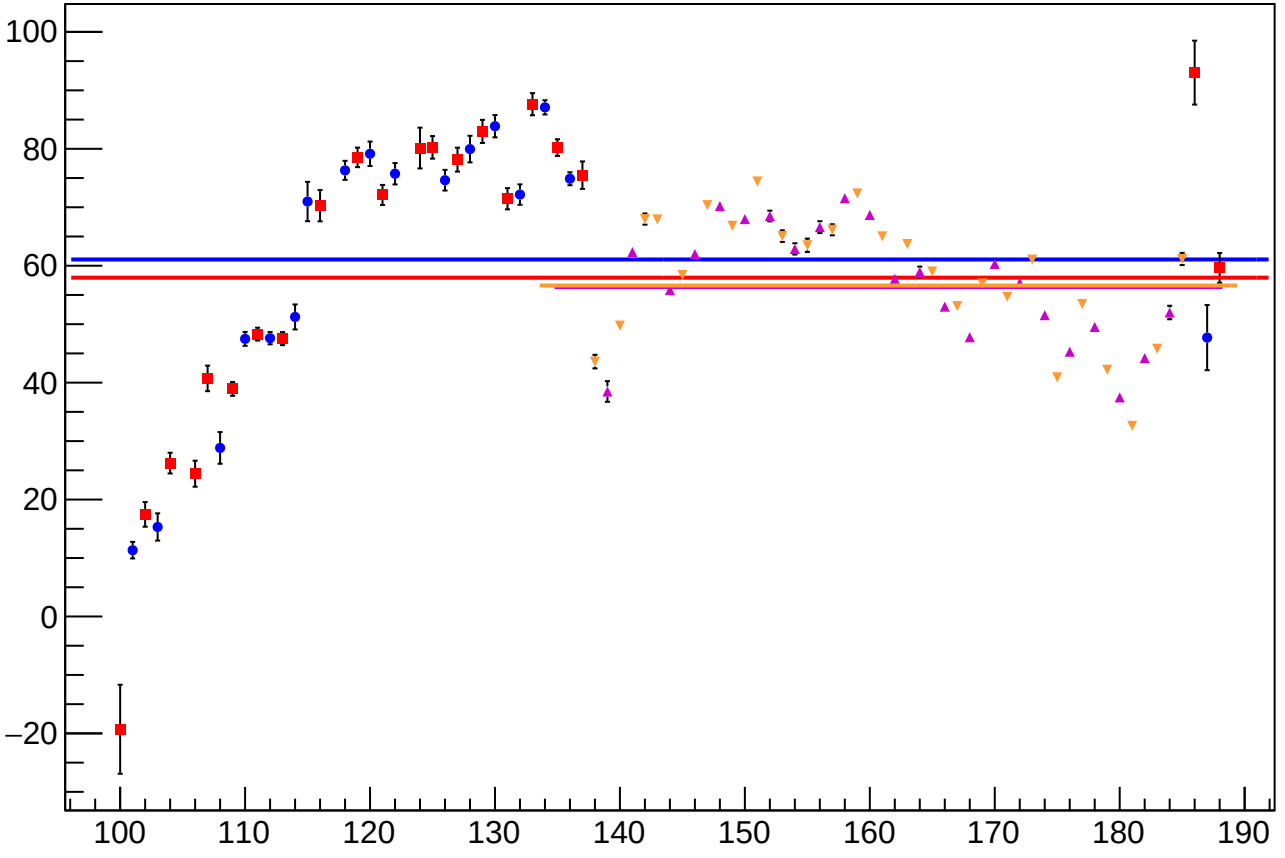
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.013+/-0.150 χ^2/NDF: 27707.1/41

All: -57.453+/-0.106 χ^2/NDF: 54525.3/85

- sign -57.898+/-0.150 χ^2/NDF: 26800.8/43

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.070+/-0.400 χ^2/NDF: 3235.1/16

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 57.957+/-0.394 χ^2/NDF: 2817.5/20

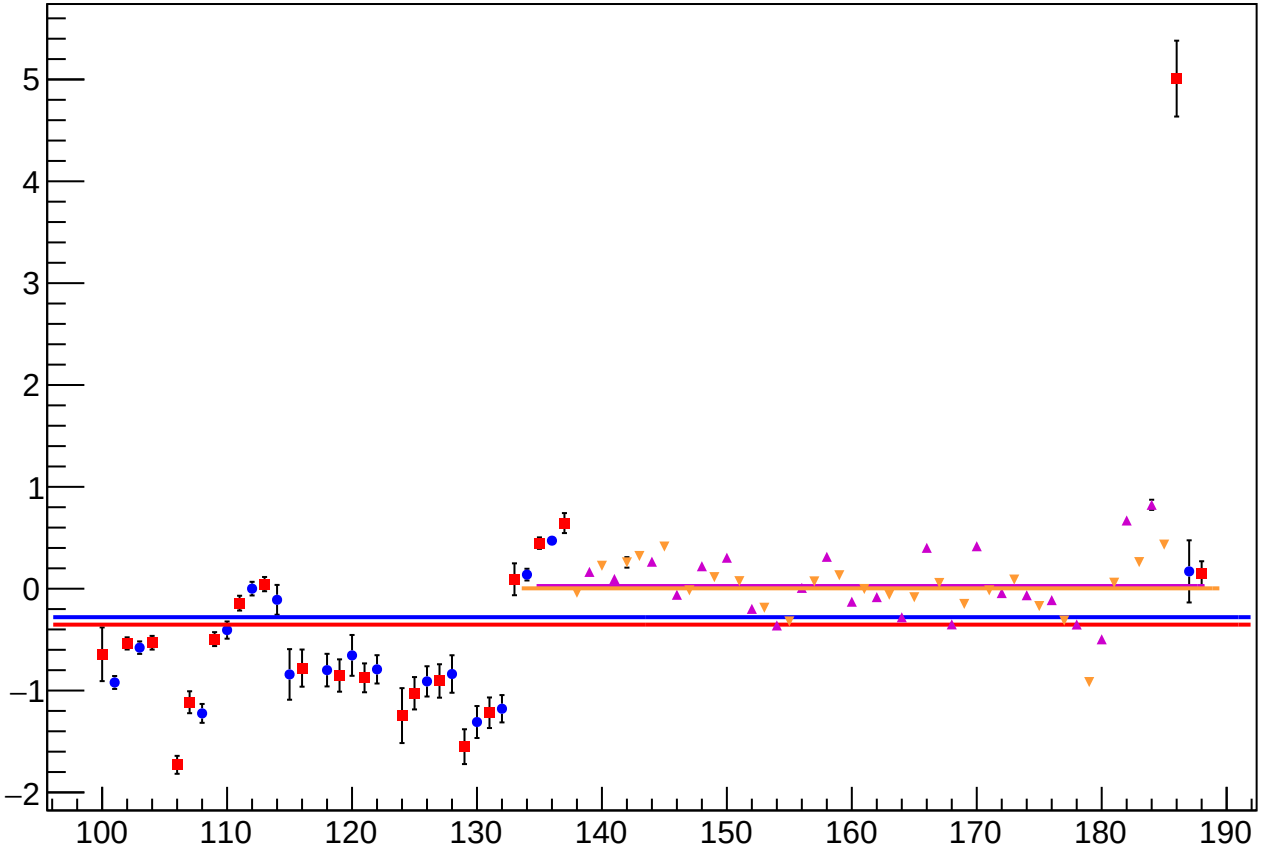
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

\+ sign 57.124+/-0.135 χ^2/NDF: 9011.4/41

All: 56.840+/-0.097 χ^2/NDF: 15821.2/85

\- sign 56.545+/-0.138 χ^2/NDF: 6800.8/43

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.280+/-0.022 χ^2/NDF: 730.4/16

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

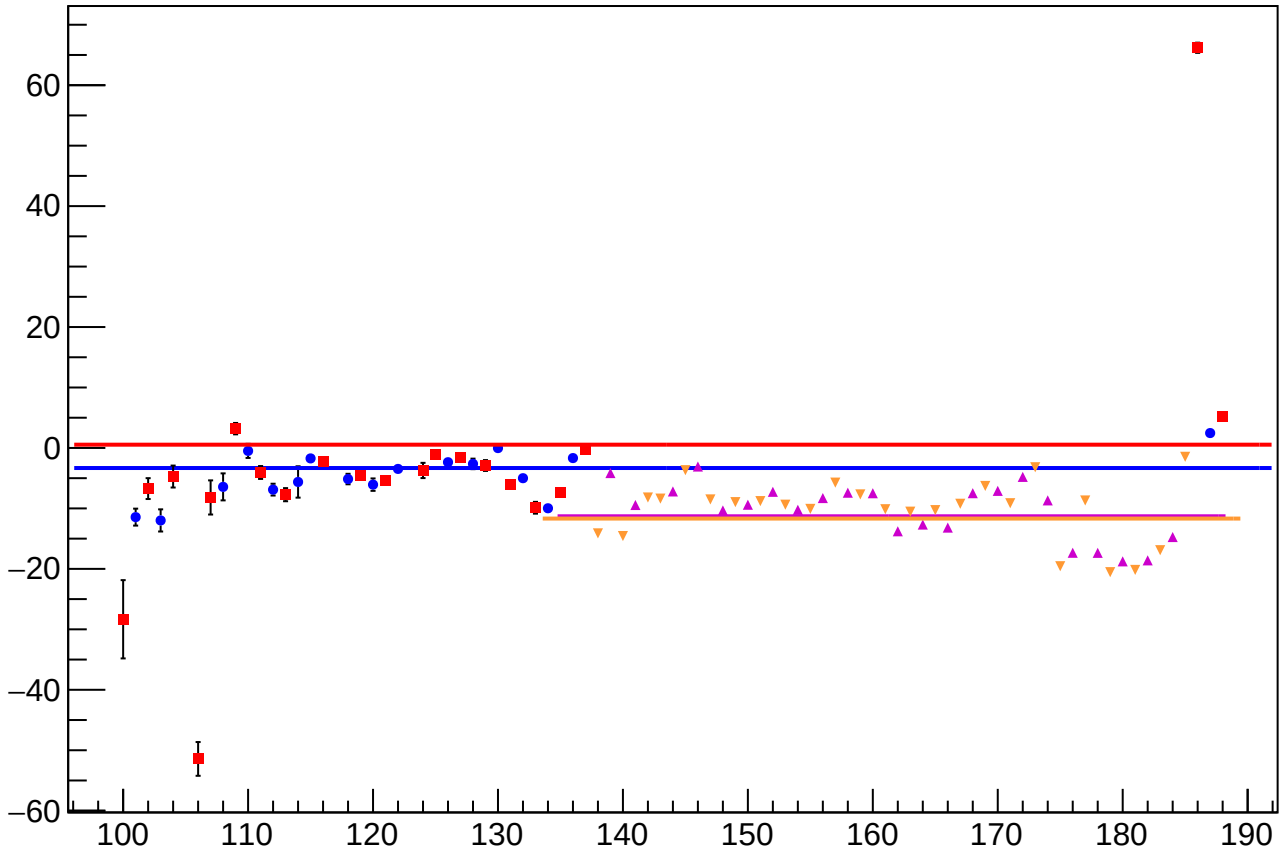
Right Out: -0.353+/-0.022 χ^2/NDF: 1045.0/20

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.020+/-0.006 χ^2/NDF: 2589.3/41

All: -0.013+/-0.004 χ^2/NDF: 6269.2/85

- sign -0.006+/-0.006 χ^2/NDF: 3677.5/43



Right In: -3.319+/-0.184 χ^2/NDF: 288.5/16

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

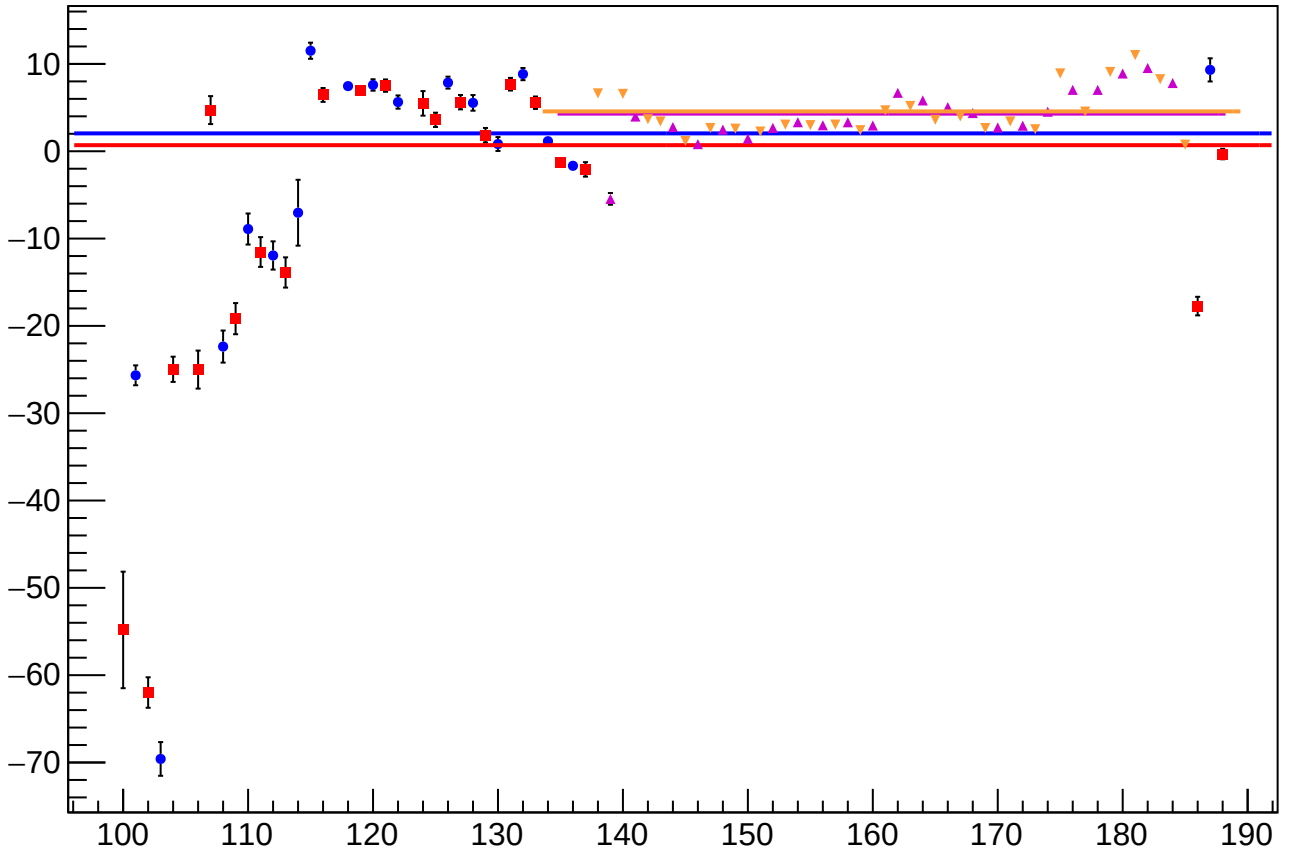
Right Out: 0.541+/-0.177 χ^2/NDF: 7285.5/20

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.048+/-0.051 χ^2/NDF: 14797.6/41

All: -10.676+/-0.036 χ^2/NDF: 35534.5/85

- sign -10.290+/-0.052 χ^2/NDF: 20626.9/43



Right In: 2.046+/-0.187 χ^2/NDF: 2868.8/16

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.696+/-0.193 χ^2/NDF: 2878.6/20

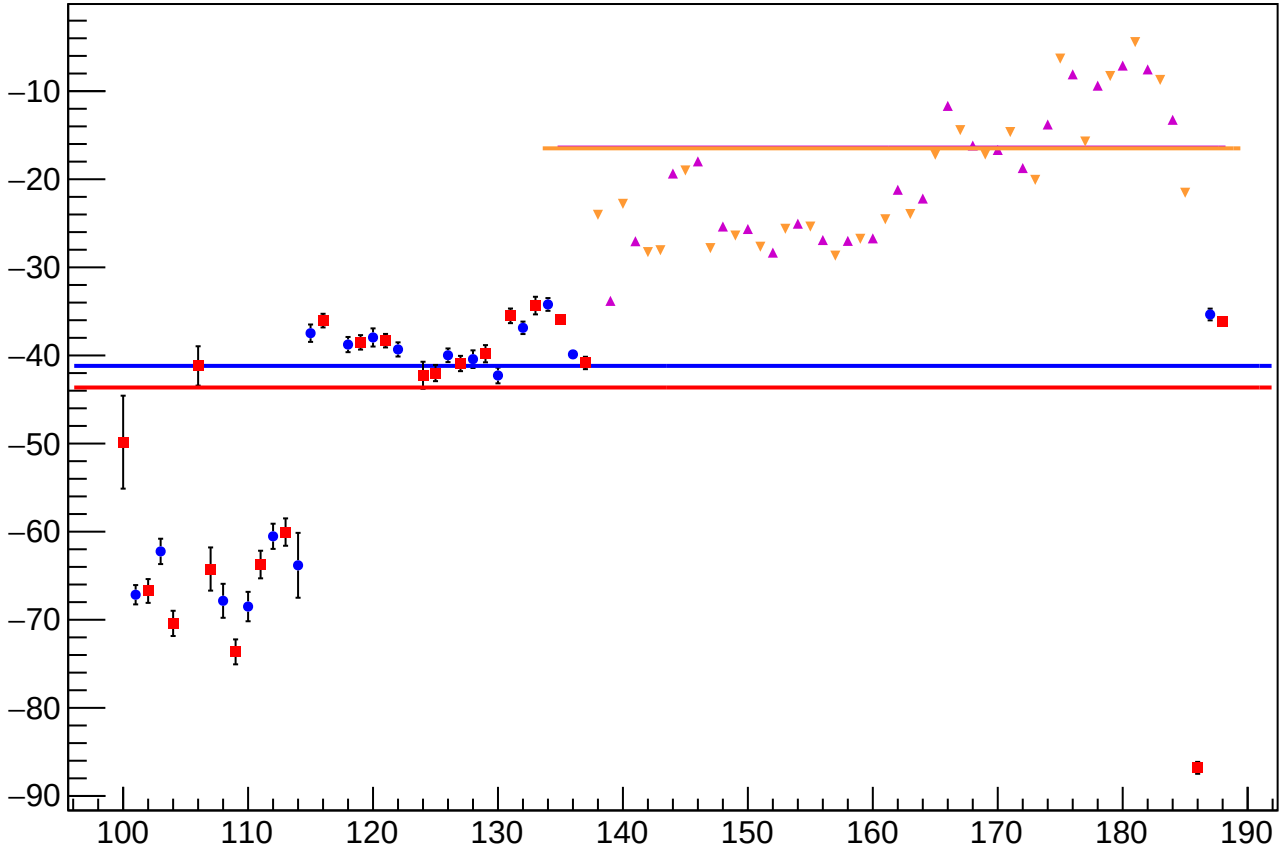
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.446+/-0.040 χ^2/NDF: 7397.8/41

All: 4.298+/-0.029 χ^2/NDF: 14245.6/85

- sign 4.145+/-0.041 χ^2/NDF: 6820.5/43

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -41.184+/-0.198 χ^2/NDF: 1718.1/16

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

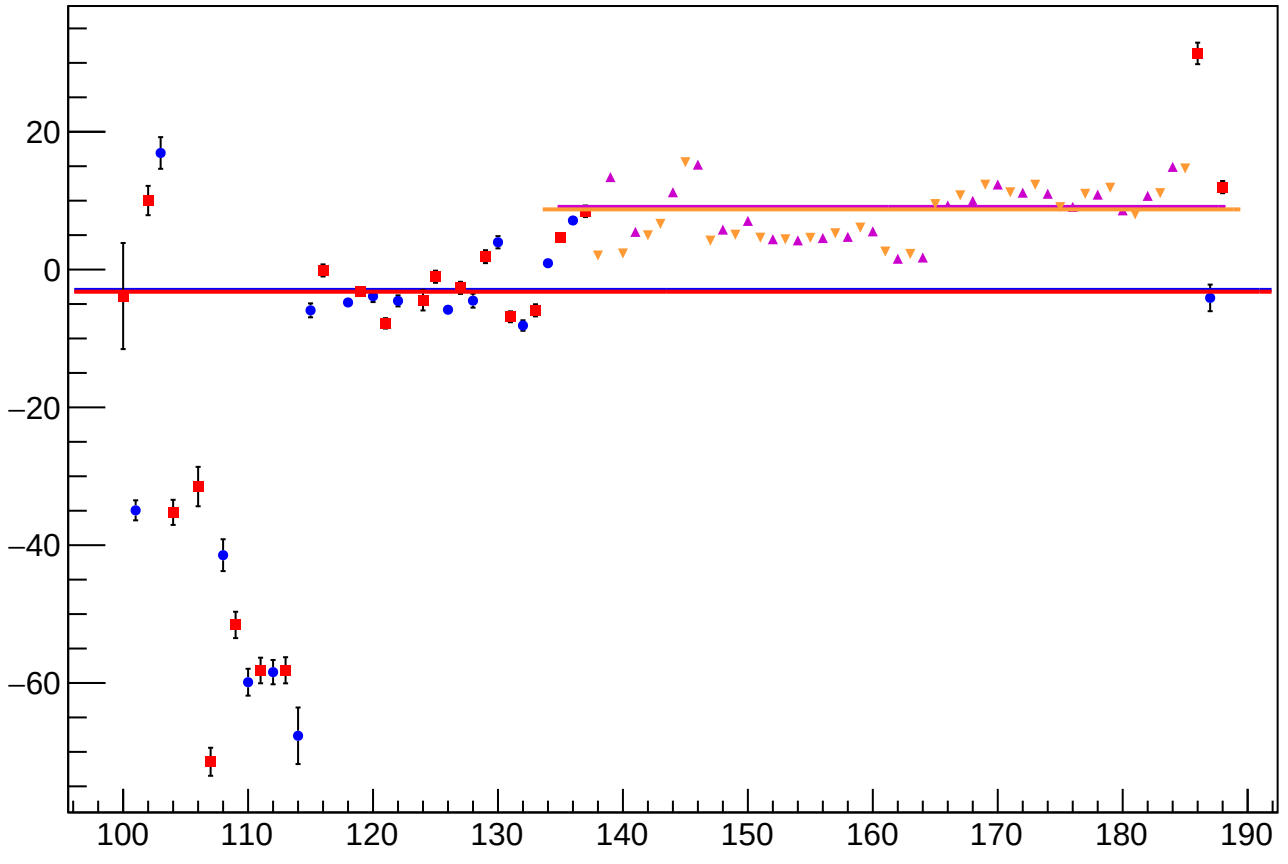
Right Out: -43.637+/-0.183 χ^2/NDF: 6589.3/20

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.127+/-0.051 χ^2/NDF: 38191.0/41

All: -18.349+/-0.036 χ^2/NDF: 83224.5/85

- sign -18.577+/-0.052 χ^2/NDF: 44995.2/43



Right In: -2.950+/-0.208 χ^2/NDF: 3726.0/16

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -3.214+/-0.222 χ^2/NDF: 5223.7/20

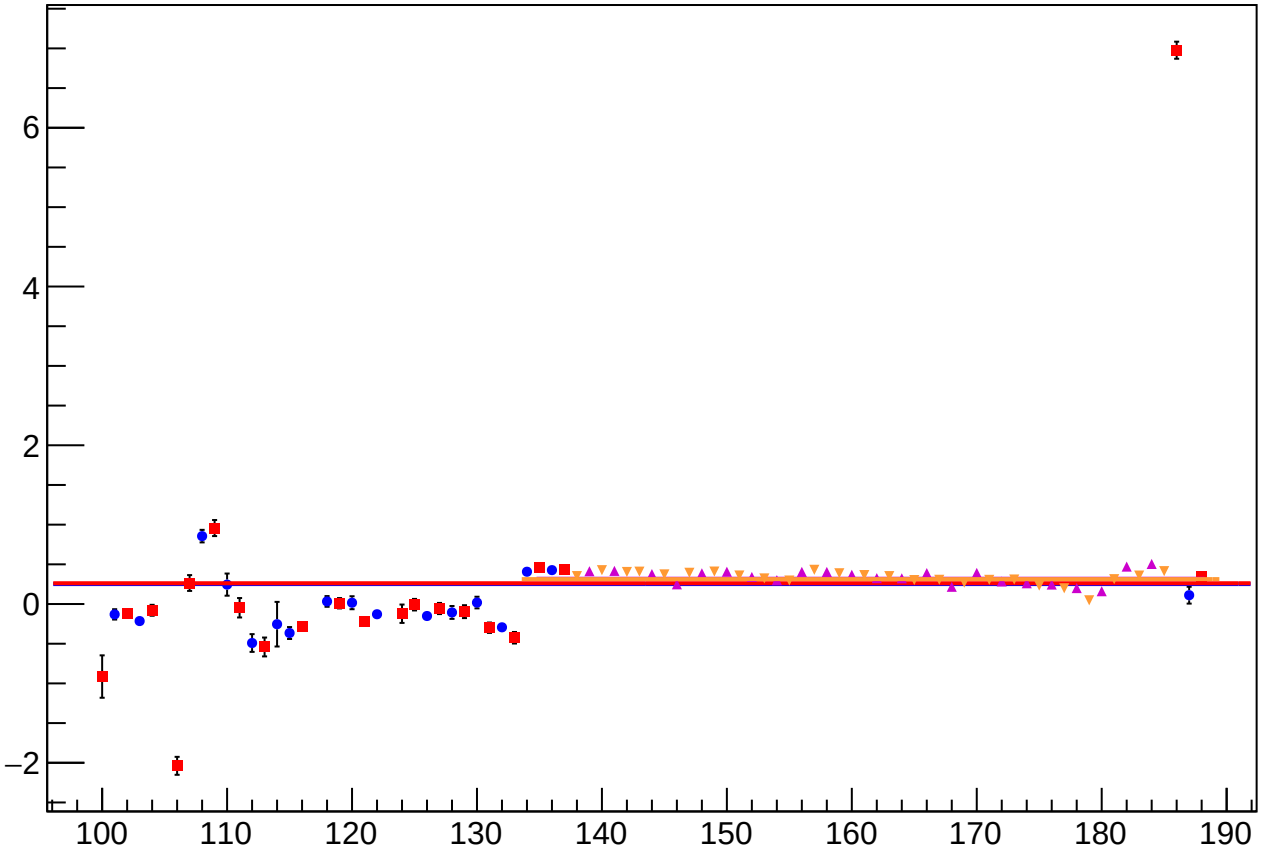
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.188+/-0.045 χ^2/NDF: 13596.9/41

All: 8.373+/-0.032 χ^2/NDF: 27537.9/85

- sign 8.566+/-0.046 χ^2/NDF: 13906.5/43

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.251+/-0.011 χ^2/NDF: 632.7/16

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

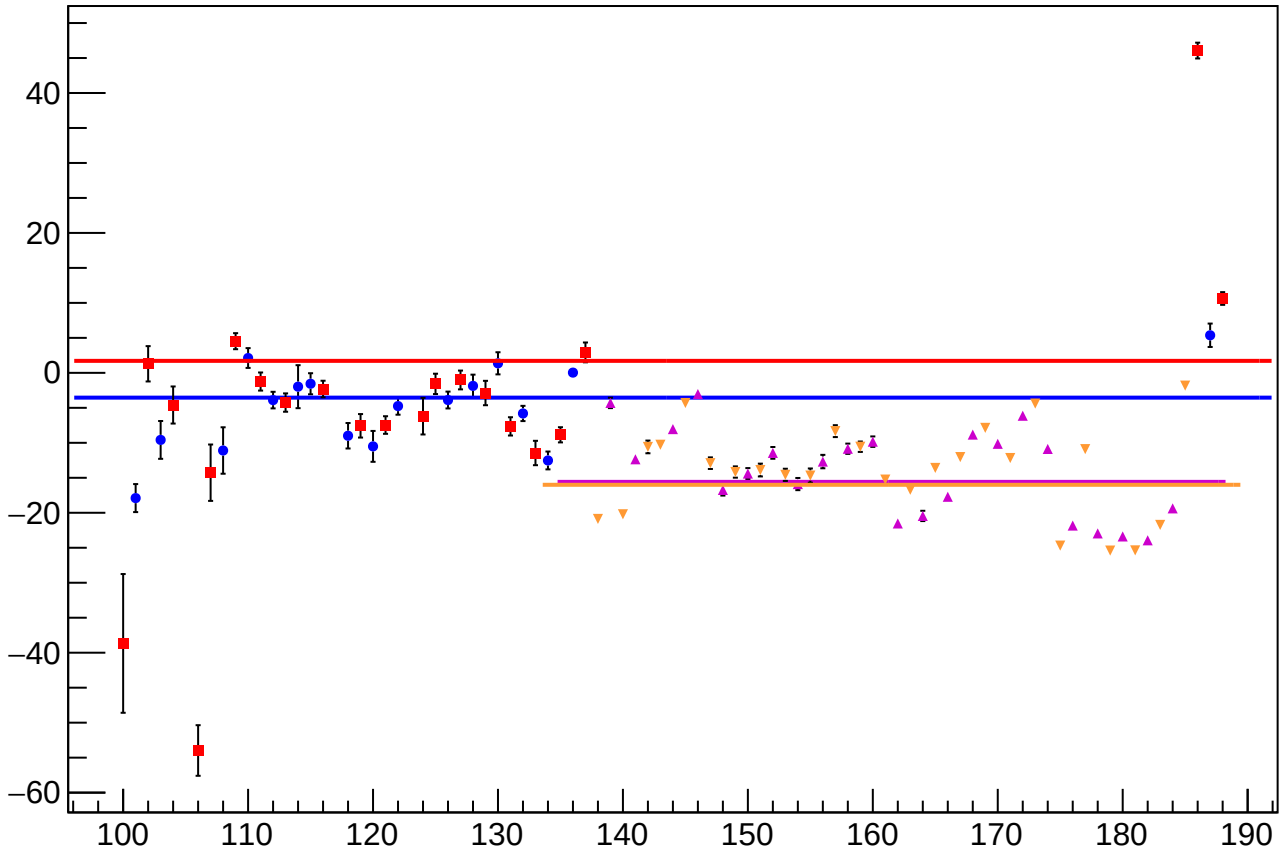
Right Out: 0.262+/-0.013 χ^2/NDF: 4988.5/20

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.312+/-0.002 χ^2/NDF: 2264.1/41

All: 0.314+/-0.001 χ^2/NDF: 9063.1/85

- sign 0.317+/-0.002 χ^2/NDF: 6795.8/43



Right In: -3.542+/-0.339 χ^2/NDF: 218.4/16

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

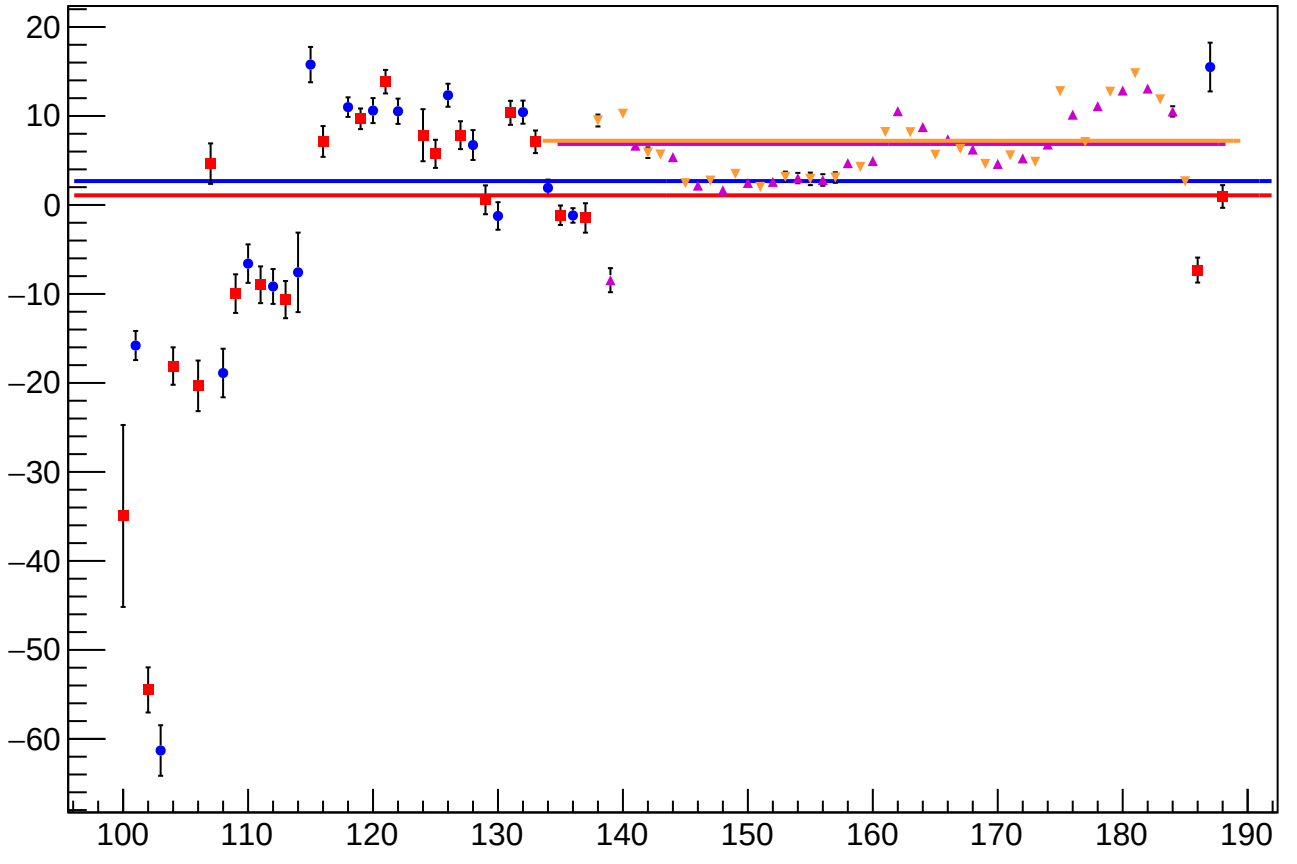
Right Out: 1.713+/-0.319 χ^2/NDF: 2271.9/20

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.014+/-0.095 χ^2/NDF: 7425.8/41

All: -14.504+/-0.068 χ^2/NDF: 17189.1/85

- sign -13.975+/-0.097 χ^2/NDF: 9705.1/43



Right In: 2.683+/-0.354 χ^2/NDF: 1069.0/16

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 1.082+/-0.357 χ^2/NDF: 1021.7/20

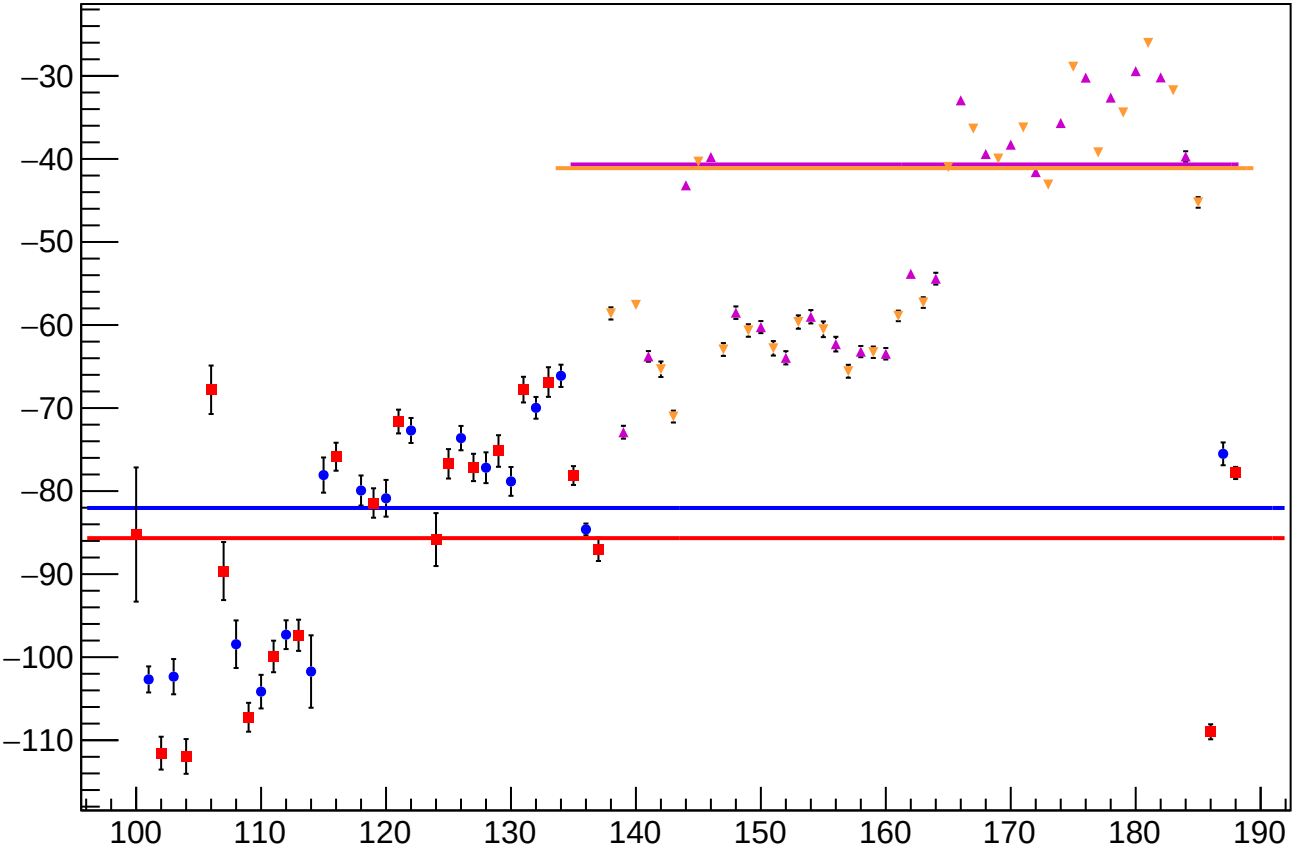
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.991+/-0.078 χ^2/NDF: 3680.8/41

All: 6.785+/-0.056 χ^2/NDF: 7121.4/85

- sign 6.573+/-0.079 χ^2/NDF: 3426.4/43

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.033+/-0.370 χ^2/NDF: 863.0/16

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -85.665+/-0.335 χ^2/NDF: 1905.1/20

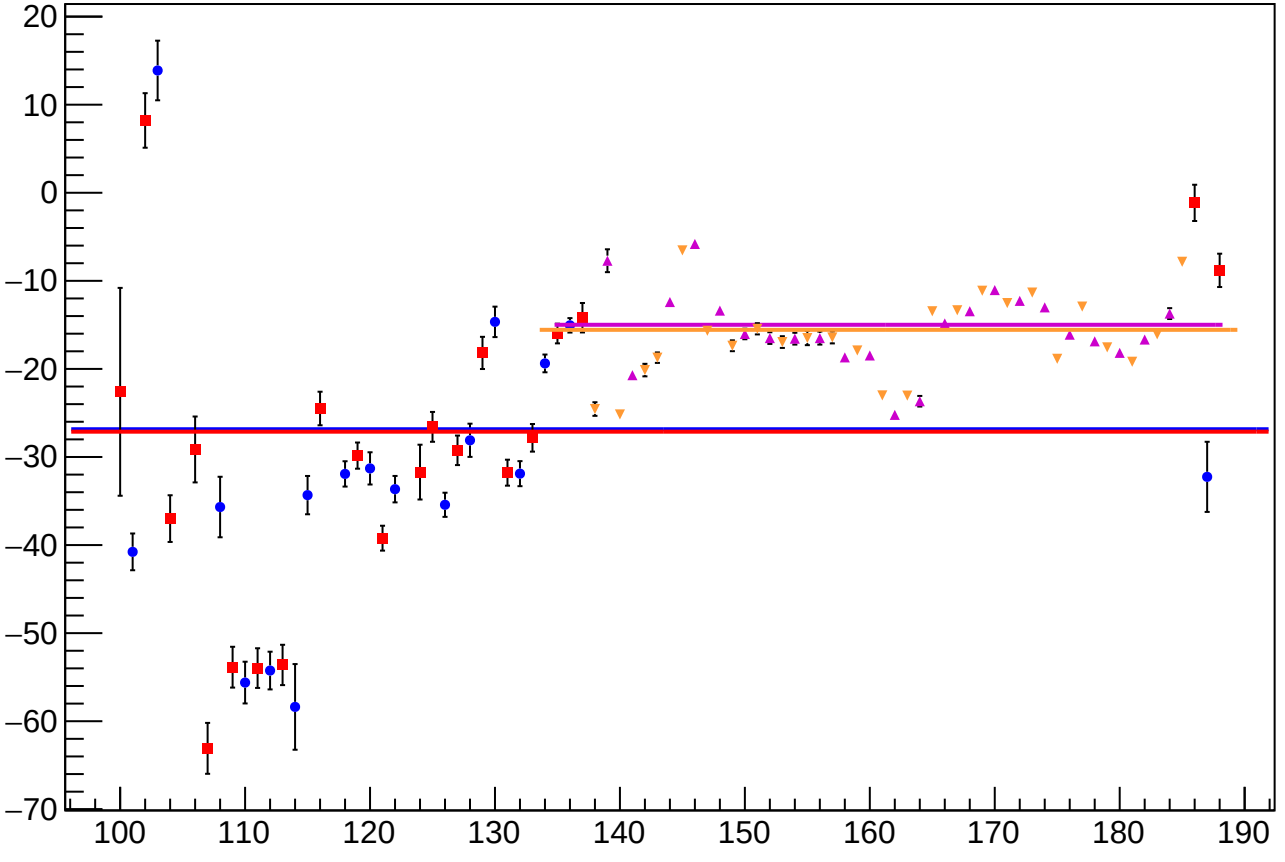
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

\+ sign -43.895+/-0.097 χ^2/NDF: 28256.4/41

All: -44.194+/-0.069 χ^2/NDF: 60239.7/85

\- sign -44.500+/-0.098 χ^2/NDF: 31963.9/43

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.849+/-0.394 χ^2/NDF: 965.3/16

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -27.125+/-0.412 χ^2/NDF: 1237.2/20

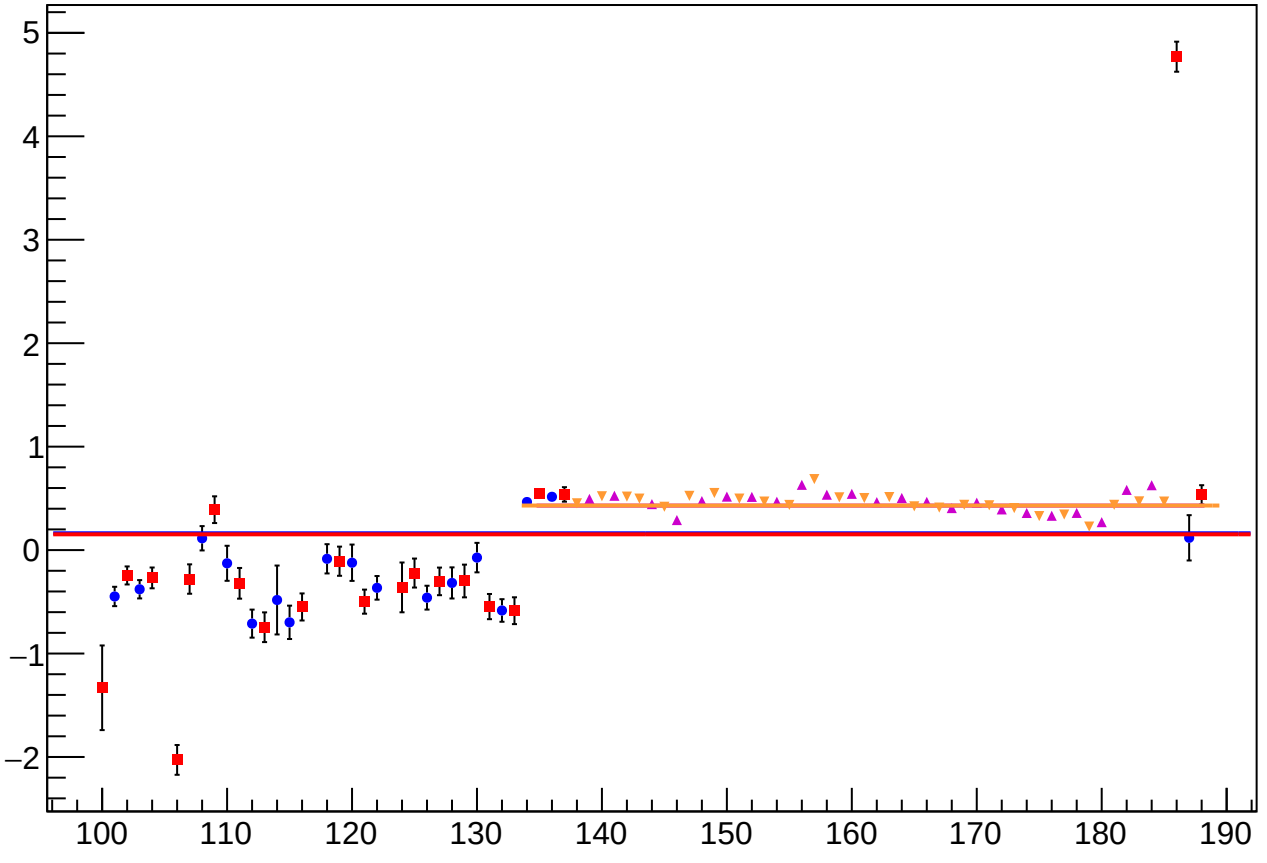
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.110+/-0.087 χ^2/NDF: 4297.1/41

All: -15.833+/-0.062 χ^2/NDF: 8534.4/85

- sign -15.546+/-0.088 χ^2/NDF: 4216.6/43

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.162+/-0.021 χ^2/NDF: 422.6/16

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.152+/-0.023 χ^2/NDF: 1640.9/20

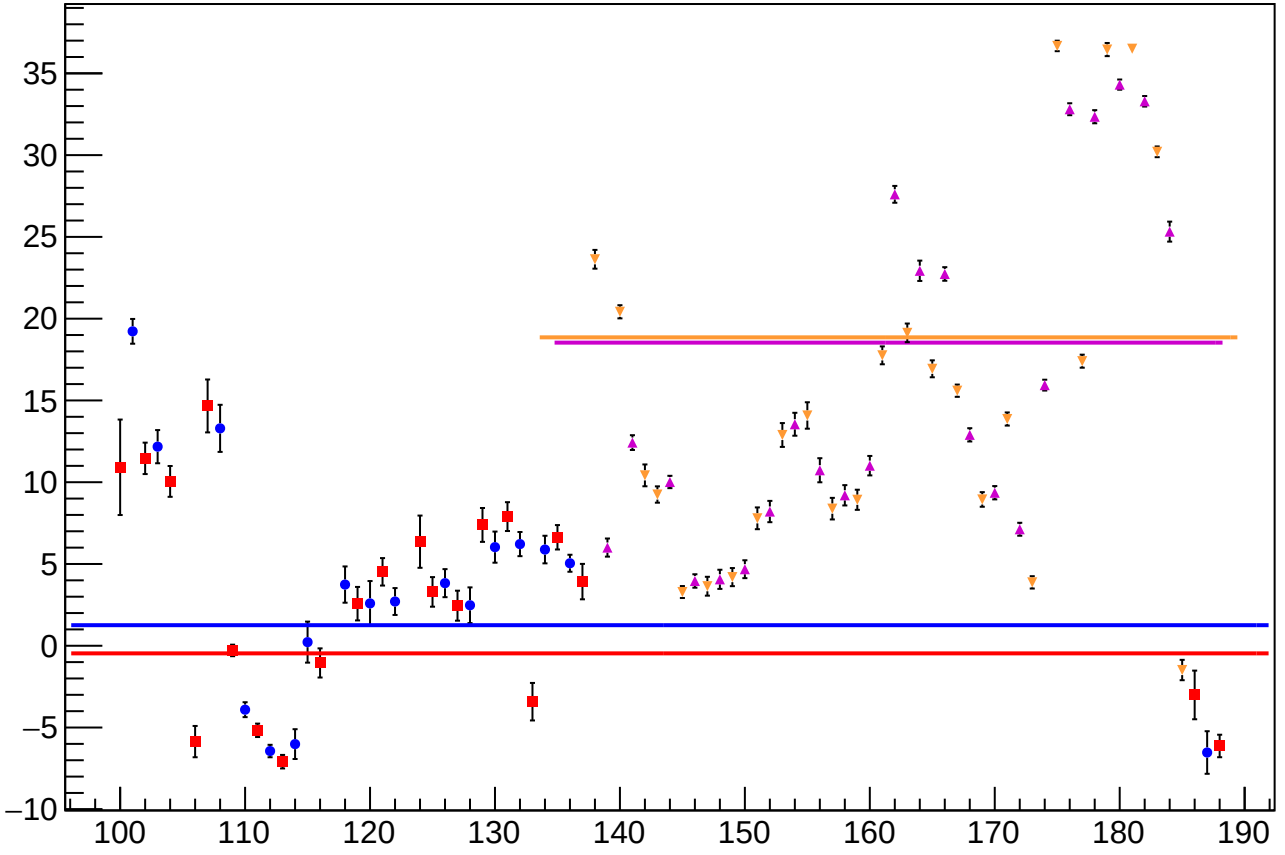
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.422+/-0.004 χ^2/NDF: 994.3/41

All: 0.422+/-0.003 χ^2/NDF: 3356.5/85

- sign 0.422+/-0.004 χ^2/NDF: 2362.2/43

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.258+/-0.181 χ^2/NDF: 1558.6/16

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

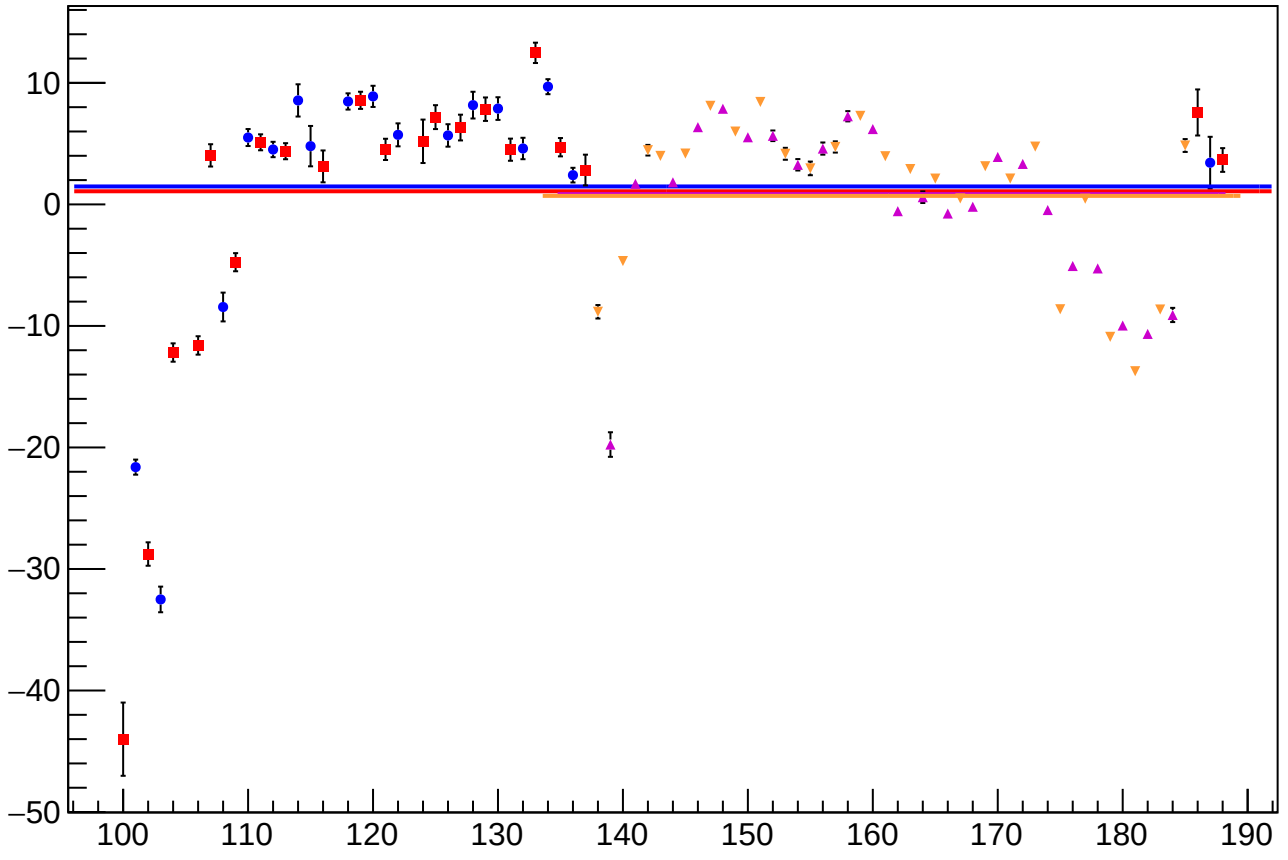
Right Out: -0.466+/-0.162 χ^2/NDF: 1222.6/20

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.353+/-0.081 χ^2/NDF: 27478.7/41

All: 14.572+/-0.057 χ^2/NDF: 53316.7/85

- sign 13.794+/-0.081 χ^2/NDF: 25651.9/43



Right In: 1.477+/-0.203 χ^2/NDF: 3081.1/16

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 1.080+/-0.197 χ^2/NDF: 2396.6/20

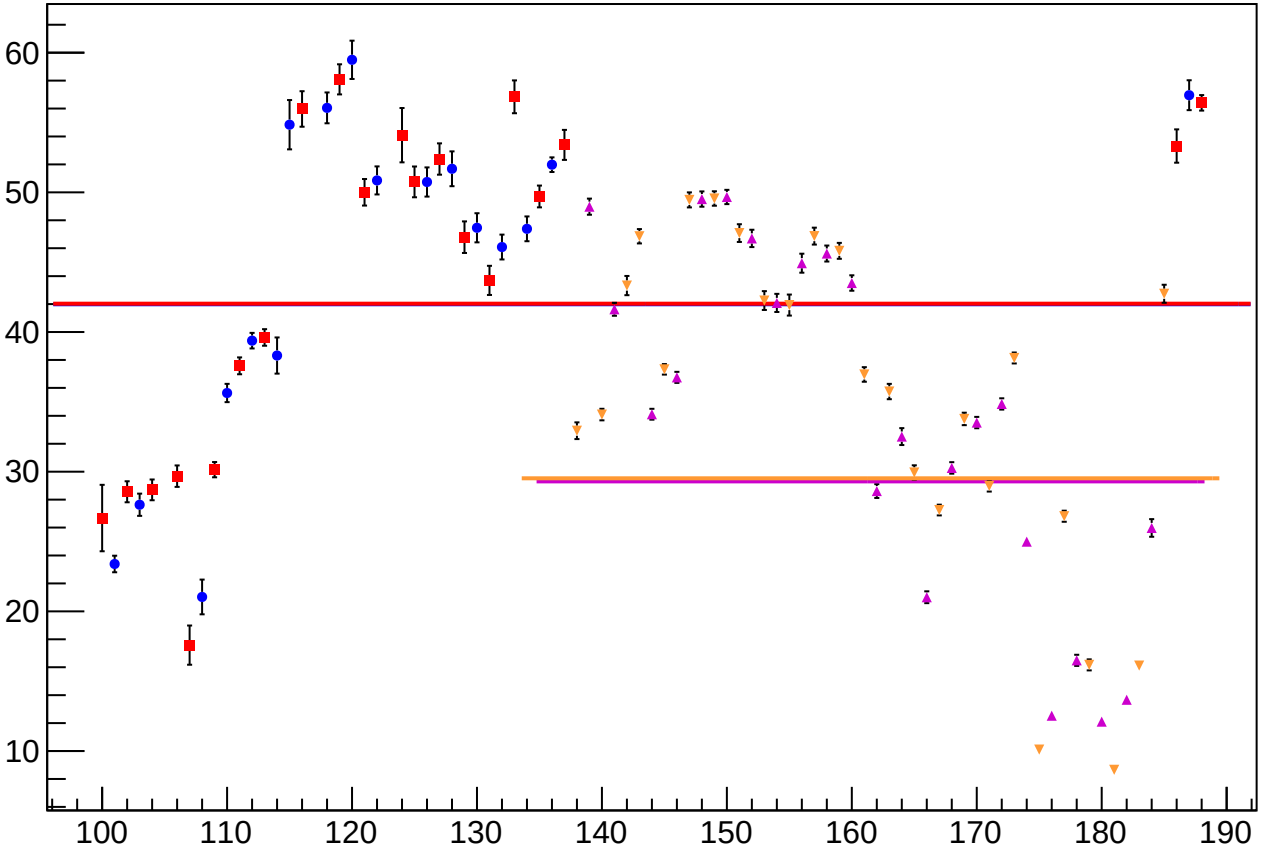
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.786+/-0.067 χ^2/NDF: 11332.0/41

All: 0.829+/-0.048 χ^2/NDF: 19776.0/85

- sign 0.874+/-0.068 χ^2/NDF: 8443.2/43

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.987+/-0.207 χ^2/NDF: 2949.3/16

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.028+/-0.188 χ^2/NDF: 3535.7/20

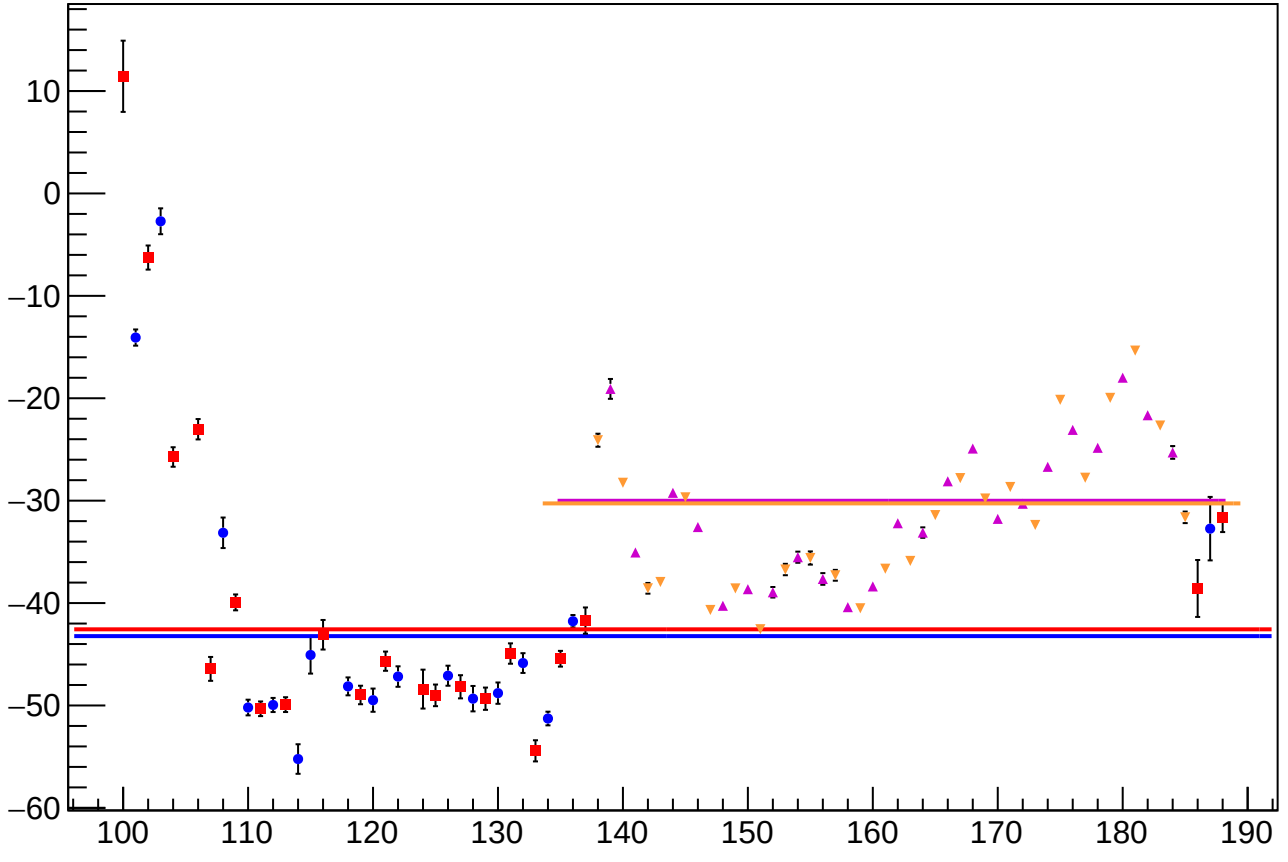
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.534+/-0.083 χ^2/NDF: 27082.4/41

All: 31.670+/-0.059 χ^2/NDF: 52165.9/85

- sign 31.807+/-0.083 χ^2/NDF: 25078.2/43

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.228+/-0.229 χ^2/NDF: 2996.7/16

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -42.564+/-0.225 χ^2/NDF: 2515.6/20

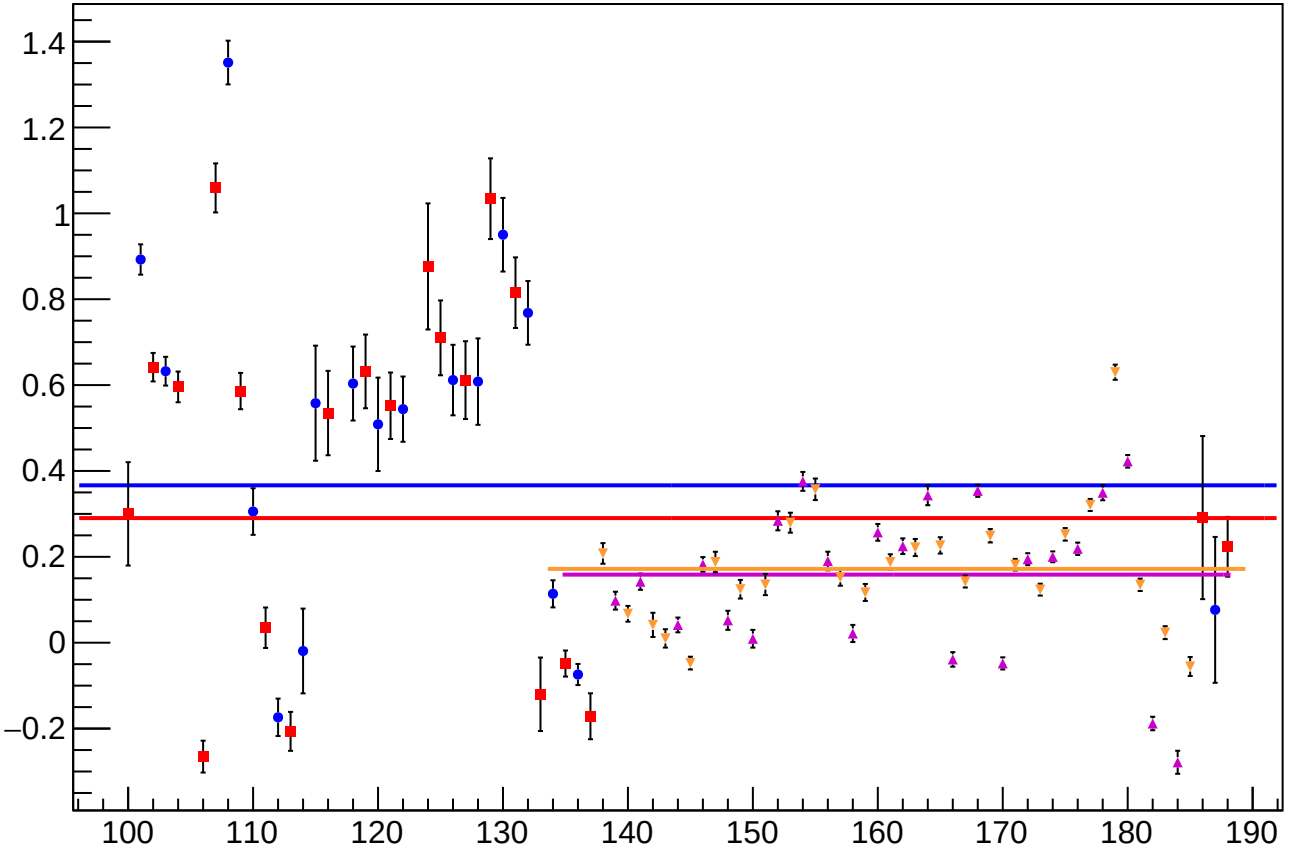
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.657+/-0.075 χ^2/NDF: 14363.6/41

All: -31.559+/-0.054 χ^2/NDF: 25708.9/85

- sign -31.457+/-0.076 χ^2/NDF: 11341.8/43

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.367+/-0.012 χ^2/NDF: 1323.8/16

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

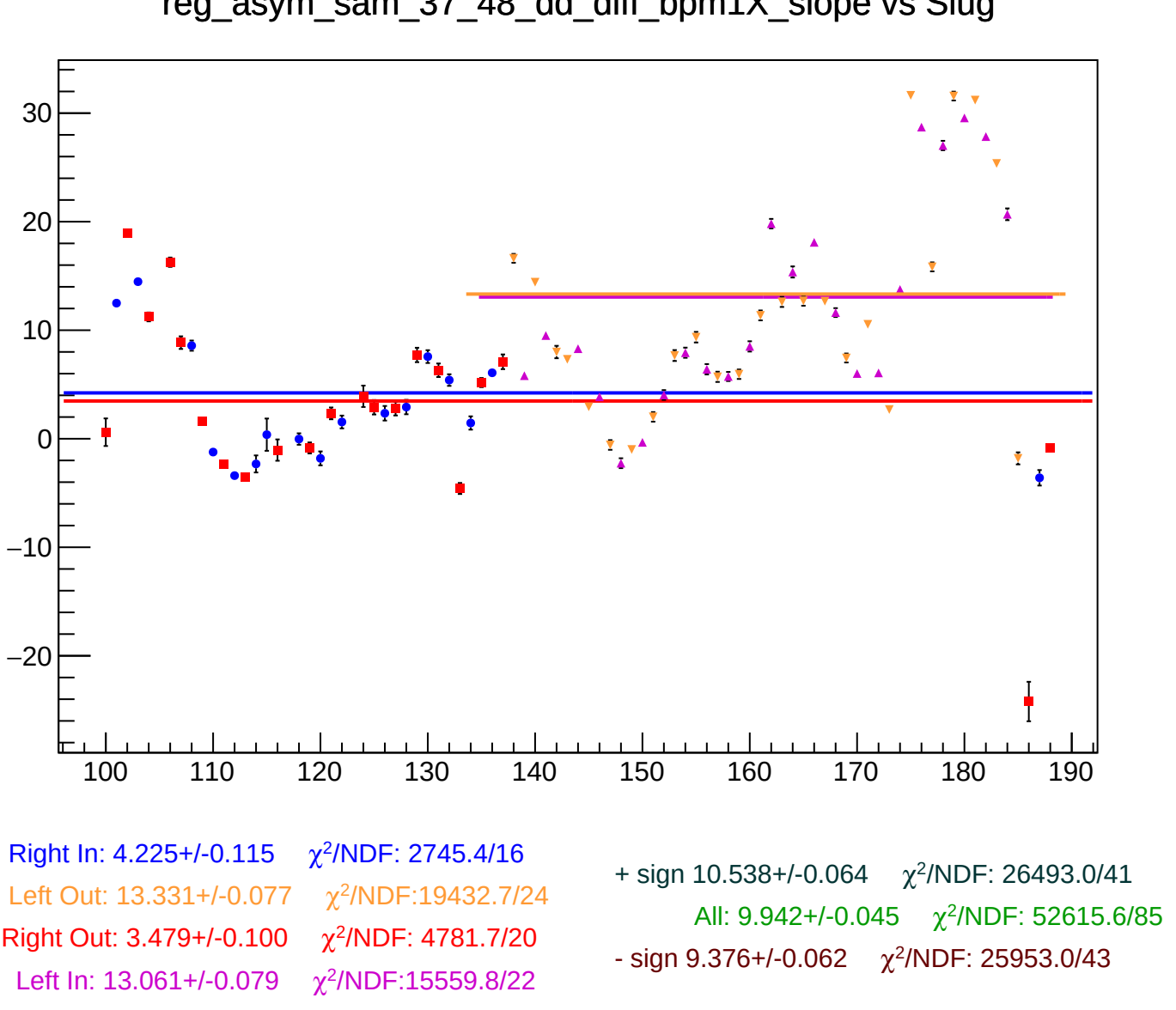
Right Out: 0.290+/-0.012 χ^2/NDF: 1200.2/20

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

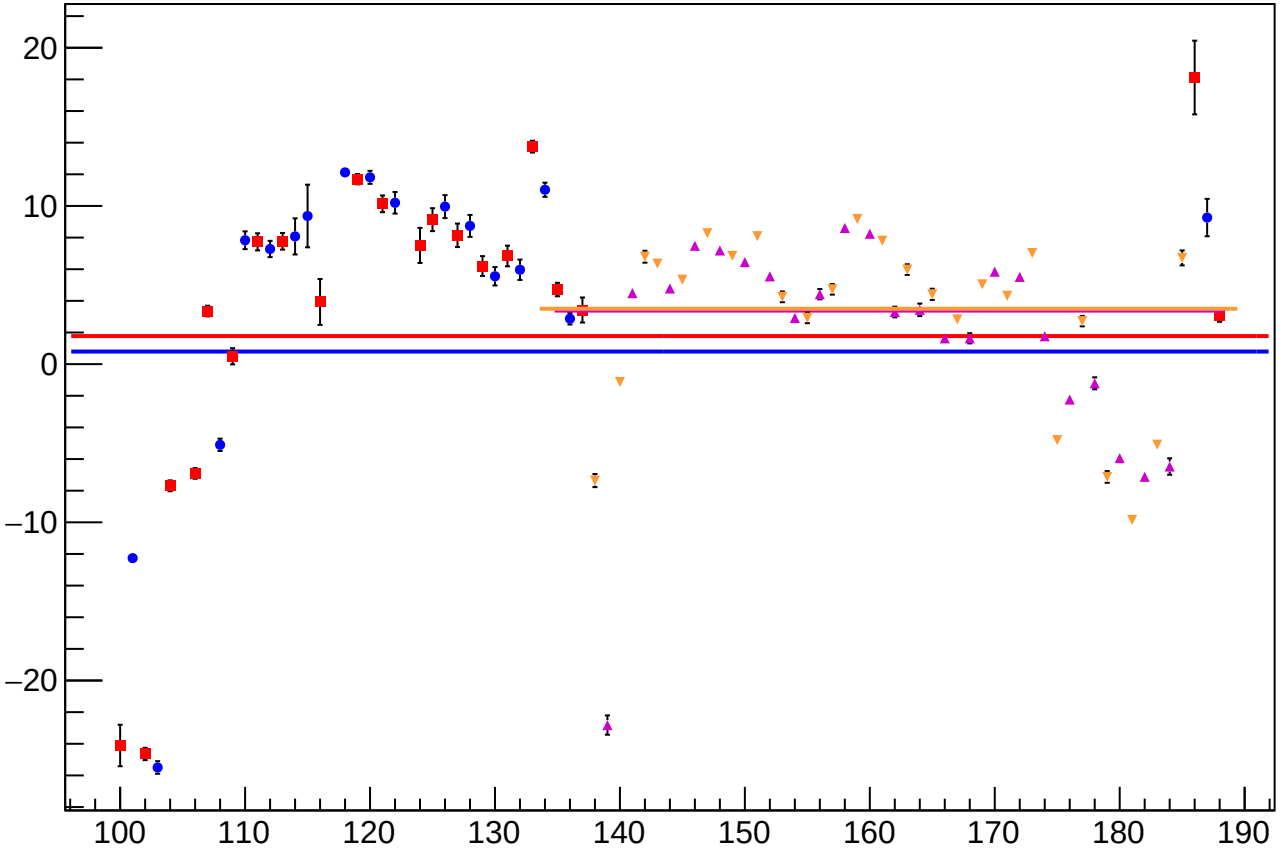
+ sign 0.187+/-0.003 χ^2/NDF: 3060.8/41

All: 0.179+/-0.002 χ^2/NDF: 6573.2/85

- sign 0.170+/-0.003 χ^2/NDF: 3499.6/43


reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
190
Right In: 4.225+/-0.115 χ²/NDF: 2745.4/16
Left Out: 13.331+/-0.077 χ²/NDF:19432.7/24
Right Out: 3.479+/-0.100 χ²/NDF: 4781.7/20
Left In: 13.061+/-0.079 χ²/NDF:15559.8/22
+ sign 10.538+/-0.064 χ²/NDF: 26493.0/41
All: 9.942+/-0.045 χ²/NDF: 52615.6/85
- sign 9.376+/-0.062 χ²/NDF: 25953.0/43

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.796+/-0.115 χ^2/NDF: 10505.8/16

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: 1.774+/-0.106 χ^2/NDF: 9317.9/20

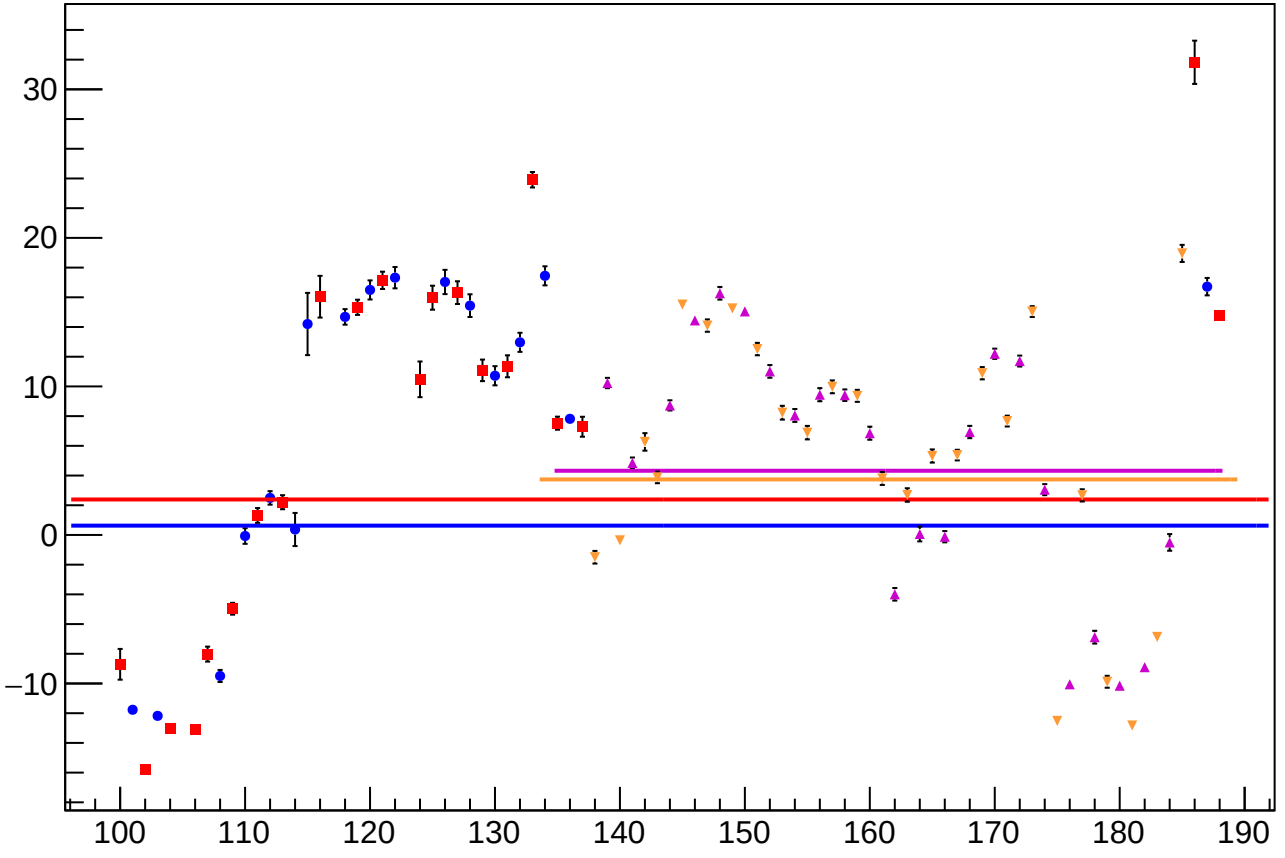
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 2.948+/-0.052 χ^2/NDF: 18854.8/41

All: 2.967+/-0.037 χ^2/NDF: 35053.1/85

- sign 2.987+/-0.053 χ^2/NDF: 16198.0/43

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.627+/-0.117 χ^2/NDF: 10056.6/16

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 2.388+/-0.101 χ^2/NDF: 17169.2/20

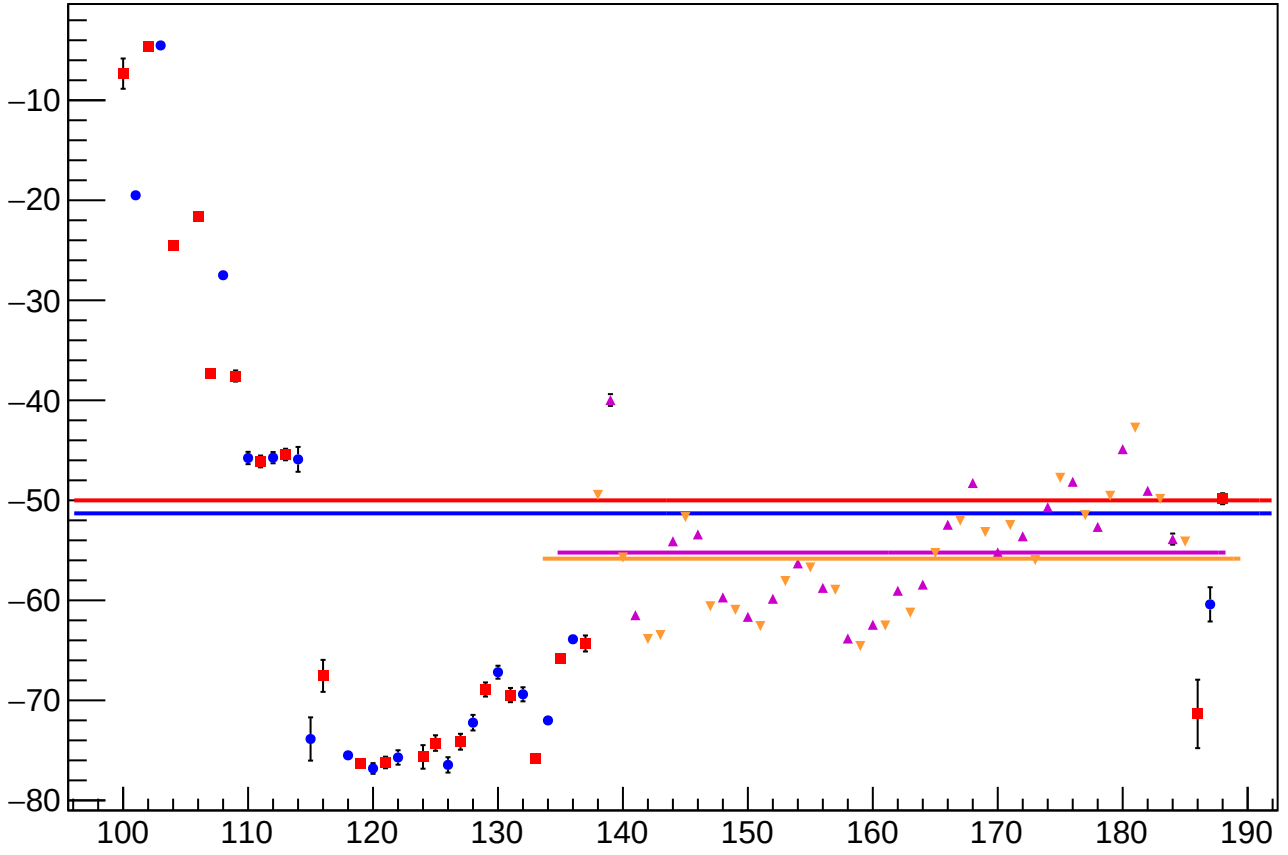
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 2.808+/-0.064 χ^2/NDF: 26139.0/41

All: 3.211+/-0.045 χ^2/NDF: 56098.1/85

- sign 3.590+/-0.062 χ^2/NDF: 29881.9/43

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -51.303+/-0.135 χ^2/NDF: 33793.7/16

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

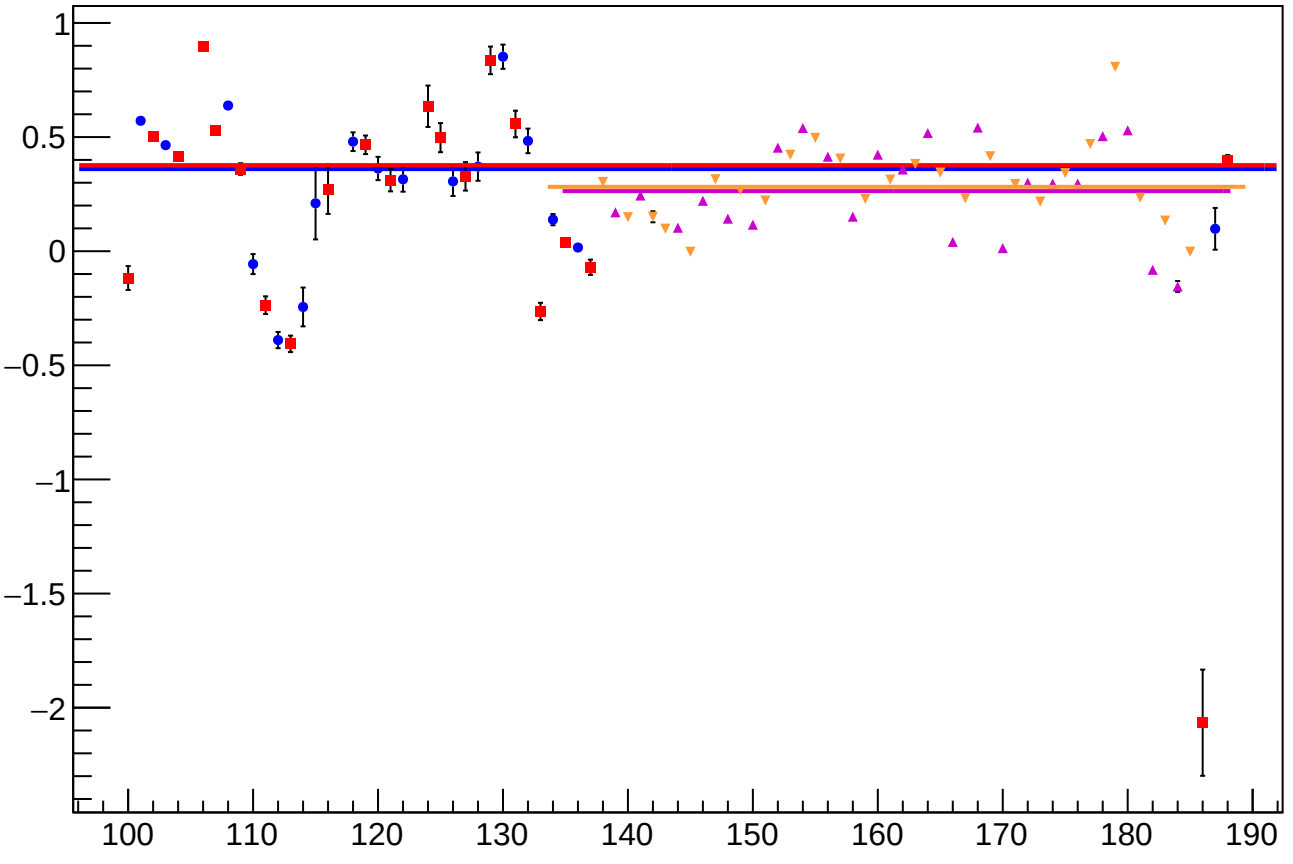
Right Out: -50.005+/-0.127 χ^2/NDF: 33931.6/20

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -54.954+/-0.060 χ^2/NDF: 42288.9/41

All: -54.504+/-0.042 χ^2/NDF: 83984.5/85

- sign -54.041+/-0.060 χ^2/NDF: 41579.8/43



Right In: 0.360+/-0.006 χ^2/NDF: 1868.2/16

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.377+/-0.006 χ^2/NDF: 2901.5/20

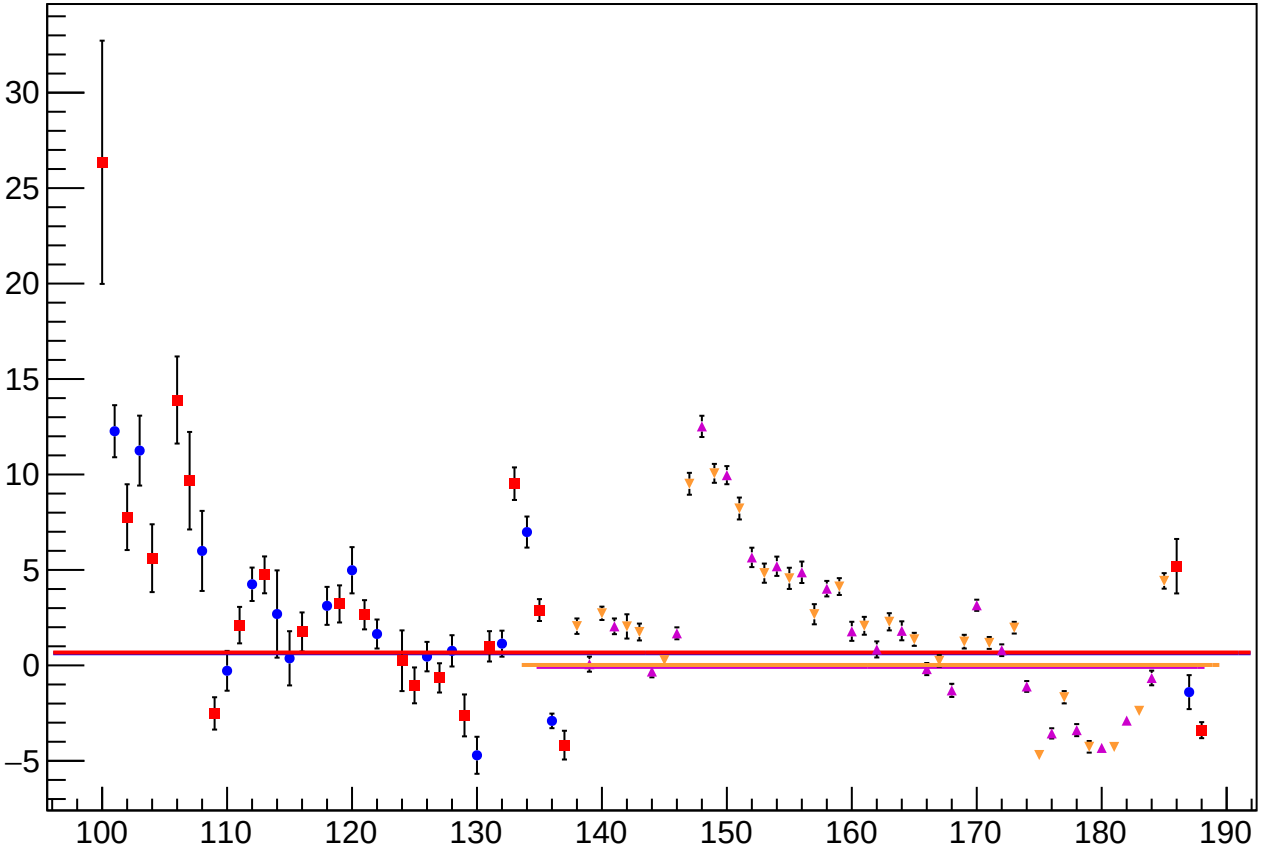
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.296+/-0.003 χ^2/NDF: 4702.8/41

All: 0.292+/-0.002 χ^2/NDF: 11738.8/85

- sign 0.287+/-0.003 χ^2/NDF: 7030.2/43

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.636+/-0.207 χ^2/NDF: 335.6/16

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 0.674+/-0.195 χ^2/NDF: 419.4/20

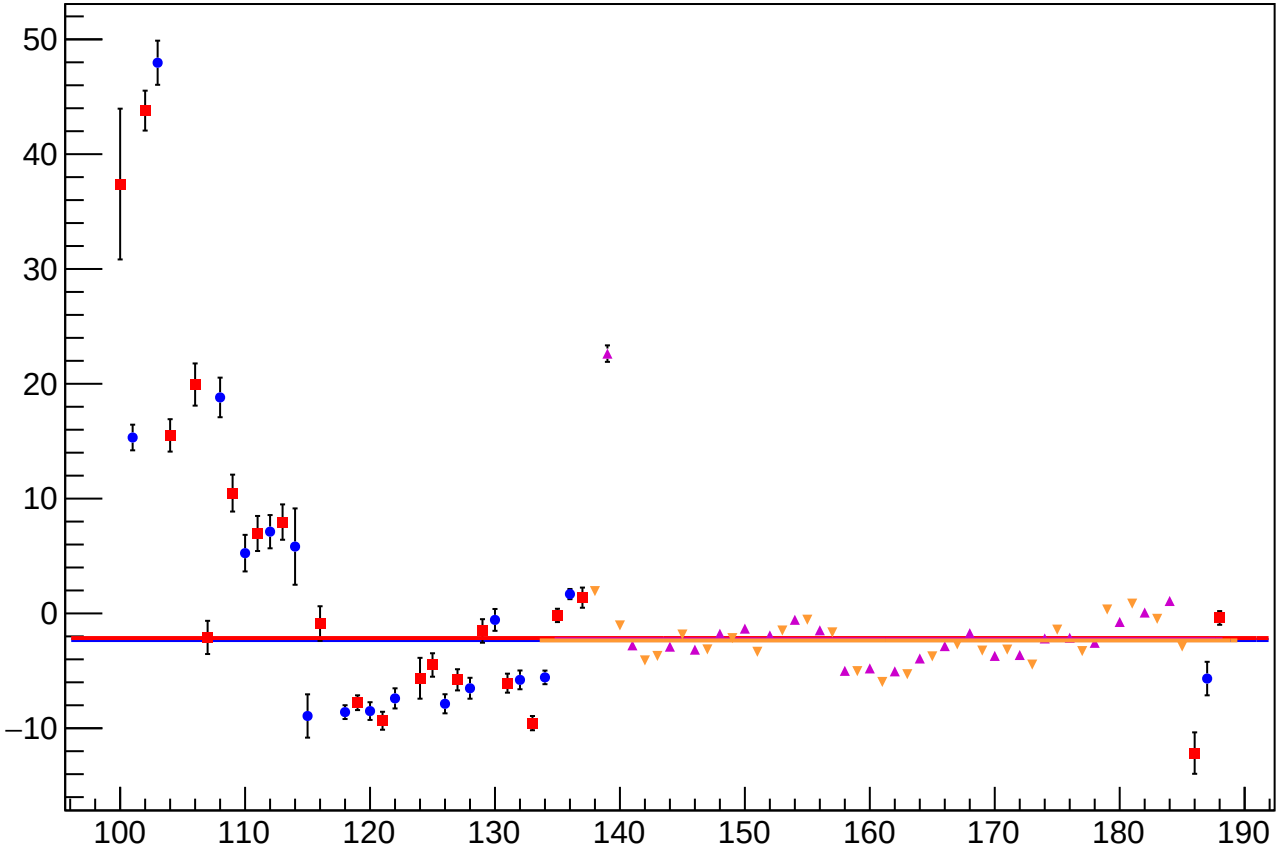
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.083+/-0.065 χ^2/NDF: 3102.9/41

All: 0.046+/-0.046 χ^2/NDF: 6000.7/85

- sign 0.008+/-0.066 χ^2/NDF: 2897.1/43

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.318+/-0.213 χ^2/NDF: 1577.9/16

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

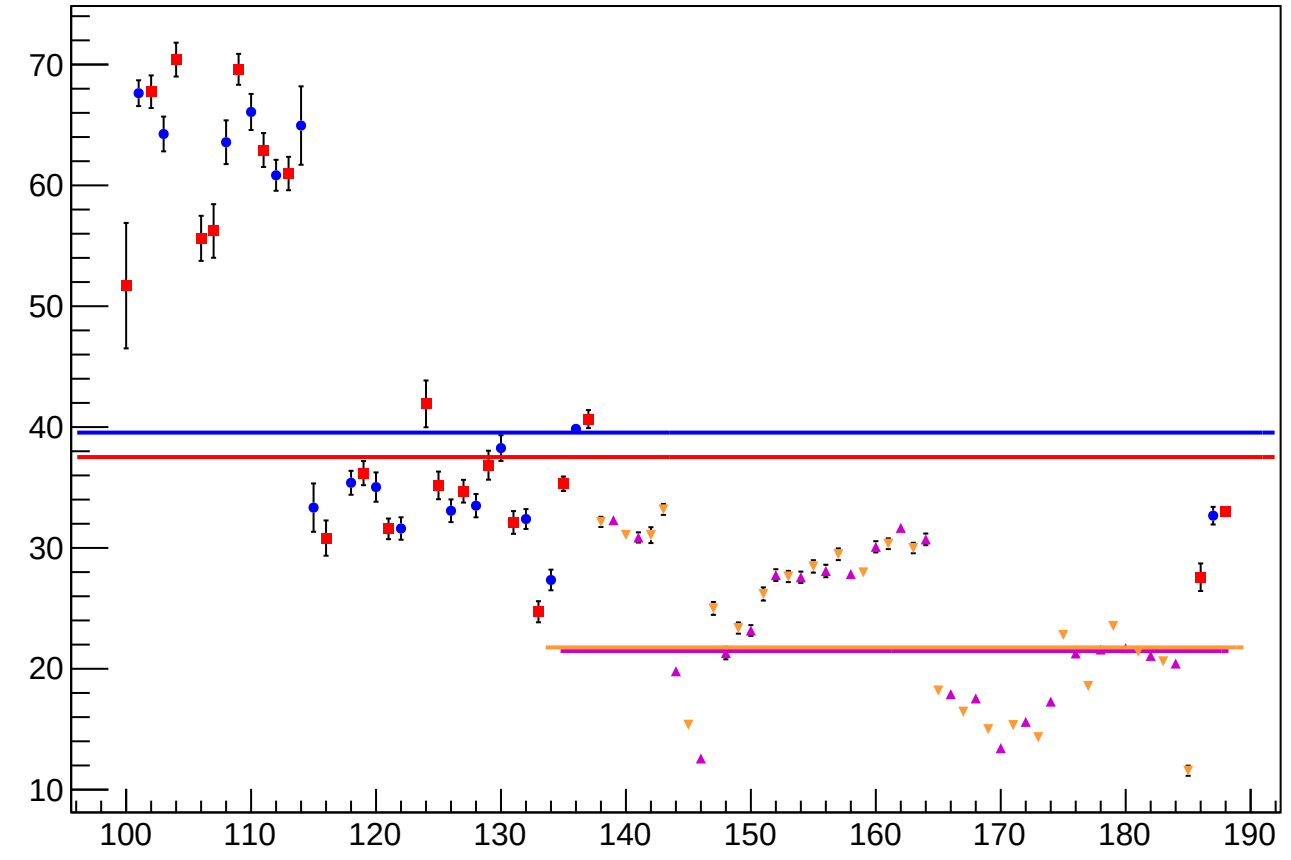
Right Out: -2.145+/-0.212 χ^2/NDF: 1595.3/20

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.350+/-0.053 χ^2/NDF: 2703.6/41

All: -2.301+/-0.038 χ^2/NDF: 6178.1/85

- sign -2.249+/-0.054 χ^2/NDF: 3472.8/43



Right In: 39.544+/-0.221 χ^2/NDF: 2388.3/16

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 37.520+/-0.198 χ^2/NDF: 3095.2/20

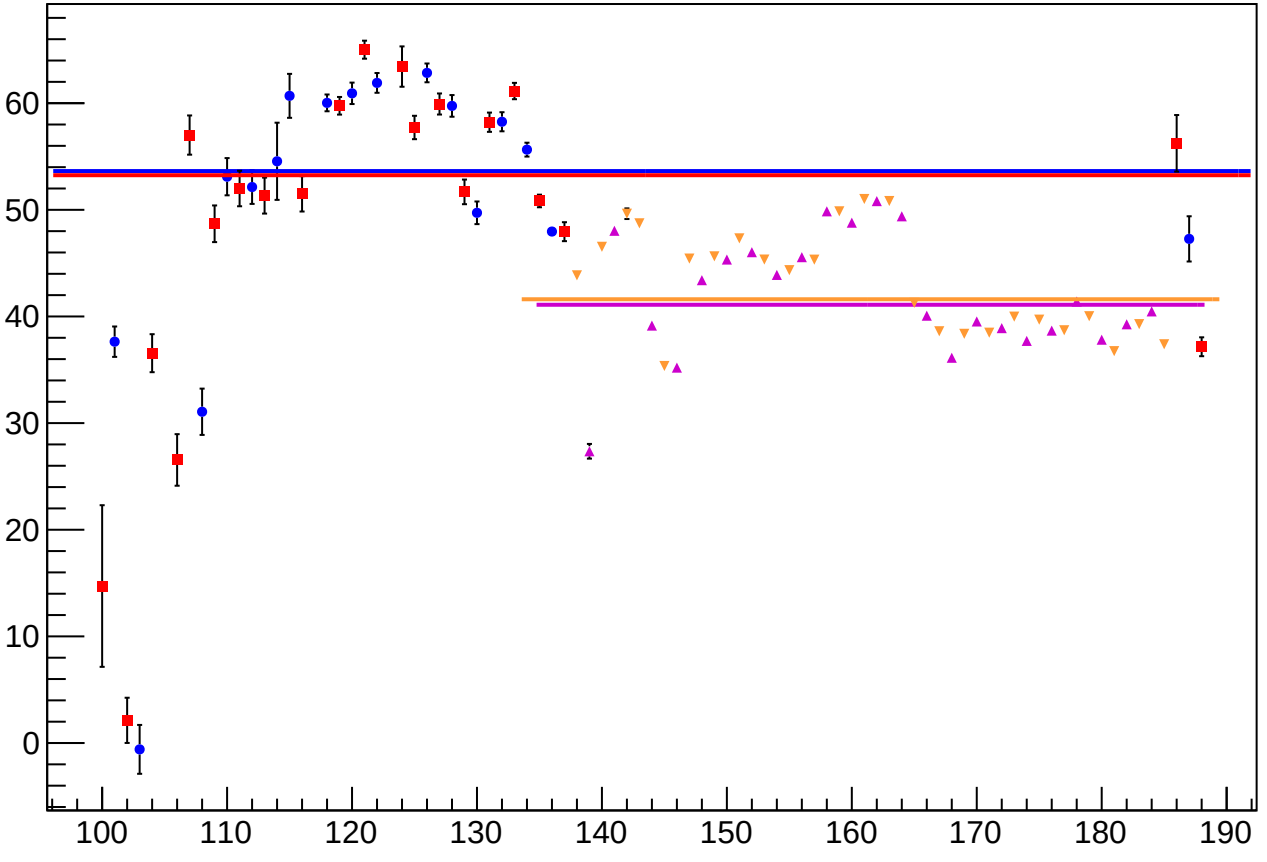
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.346+/-0.066 χ^2/NDF: 15116.2/41

All: 23.313+/-0.047 χ^2/NDF: 29815.0/85

- sign 23.279+/-0.067 χ^2/NDF: 14698.2/43

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 53.634+/-0.238 χ^2/NDF: 1371.8/16

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

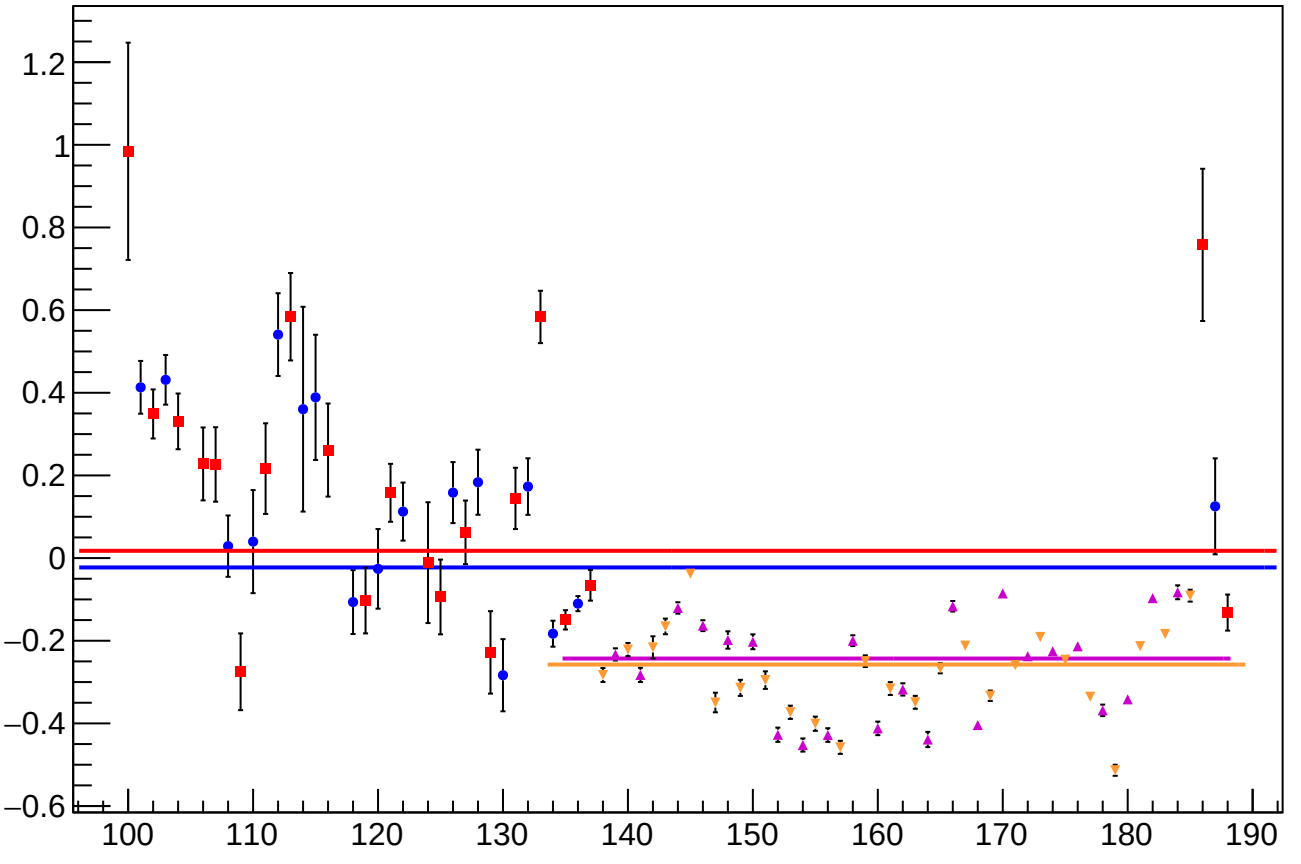
Right Out: 53.246+/-0.245 χ^2/NDF: 1700.7/20

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.363+/-0.059 χ^2/NDF: 9549.9/41

All: 42.109+/-0.042 χ^2/NDF: 19073.9/85

- sign 41.844+/-0.061 χ^2/NDF: 9486.6/43



Right In: -0.023+/-0.013 χ^2/NDF: 231.3/16

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

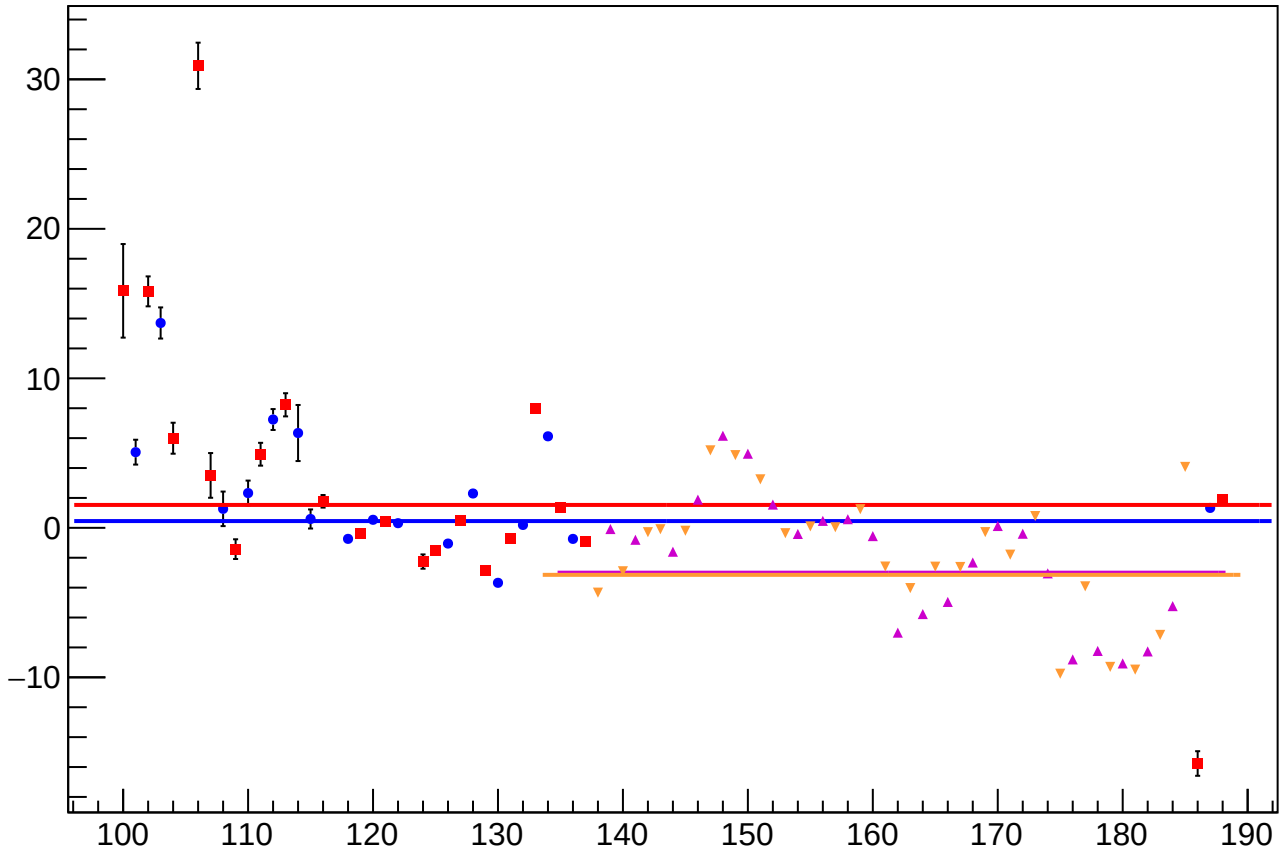
Right Out: 0.018+/-0.014 χ^2/NDF: 305.0/20

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.247+/-0.003 χ^2/NDF: 2072.4/41

All: -0.240+/-0.002 χ^2/NDF: 4561.7/85

- sign -0.233+/-0.003 χ^2/NDF: 2474.0/43



Right In: 0.452+/-0.075 χ^2/NDF: 1105.9/16

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 1.532+/-0.065 χ^2/NDF: 2862.0/20

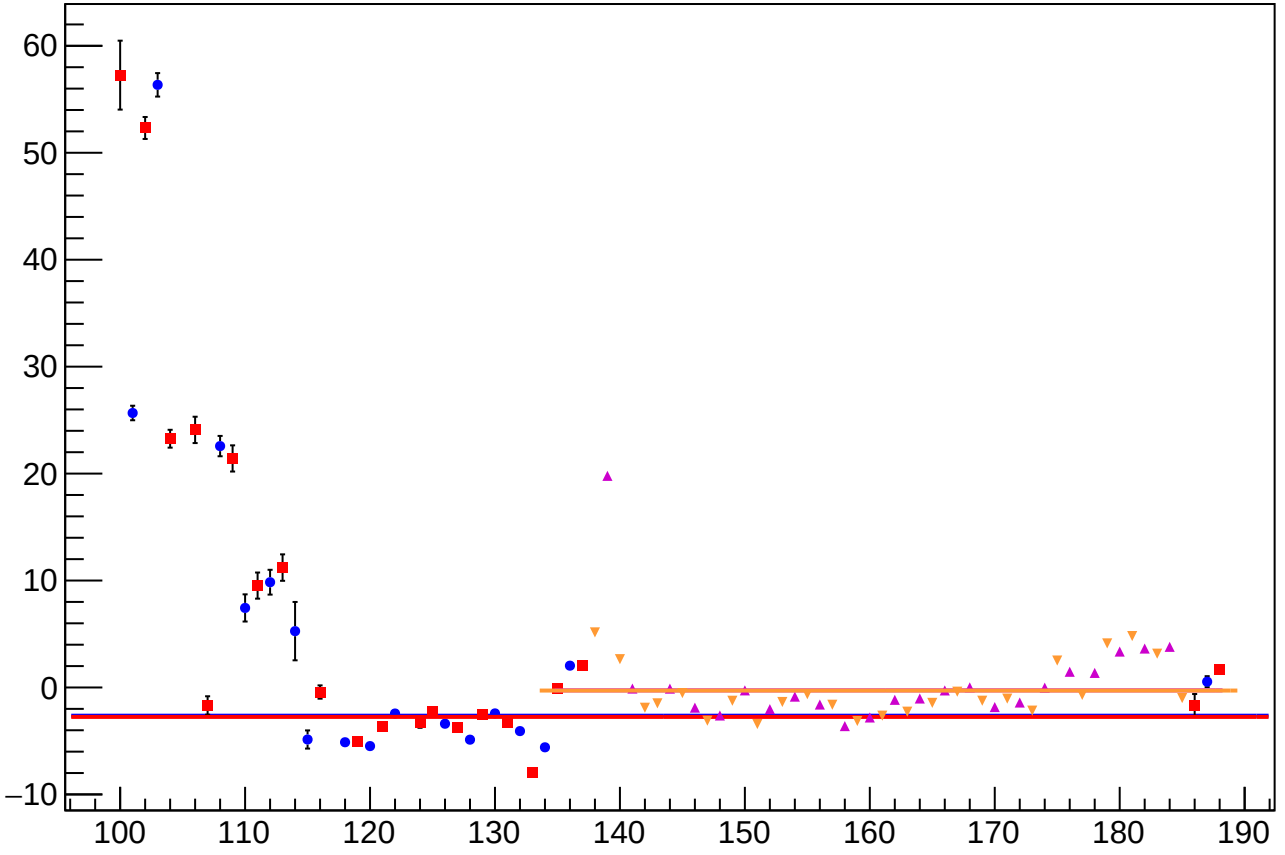
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

\+ sign -2.710+/-0.026 χ^2/NDF: 28497.3/41

All: -2.494+/-0.018 χ^2/NDF: 57964.5/85

\- sign -2.276+/-0.026 χ^2/NDF: 29328.9/43

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.639+/-0.070 χ^2/NDF: 7142.7/16

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: -2.751+/-0.066 χ^2/NDF: 7910.0/20

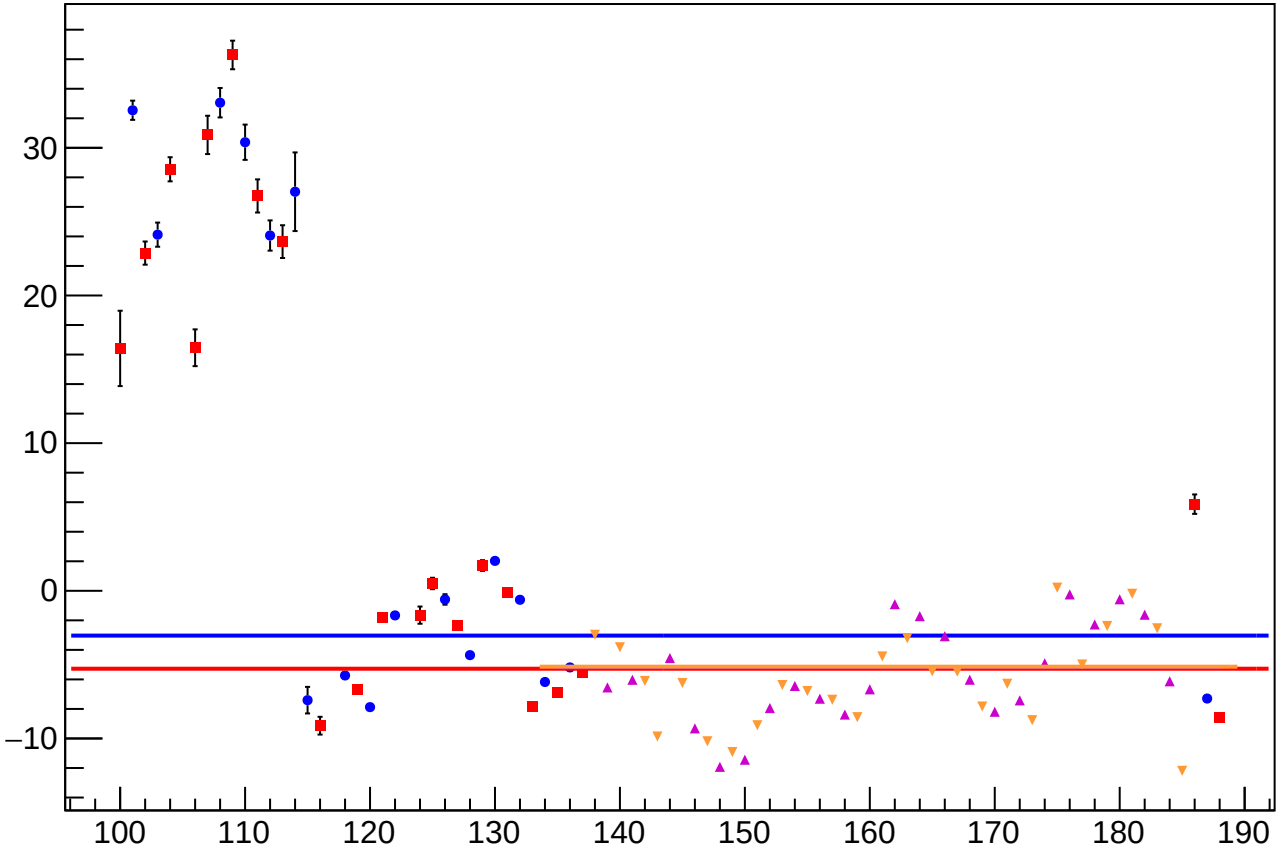
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.495+/-0.021 χ^2/NDF: 20367.2/41

All: -0.512+/-0.015 χ^2/NDF: 42783.6/85

- sign -0.528+/-0.021 χ^2/NDF: 22415.2/43

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -3.033+/-0.079 χ^2/NDF: 8467.9/16

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.276+/-0.064 χ^2/NDF: 10385.9/20

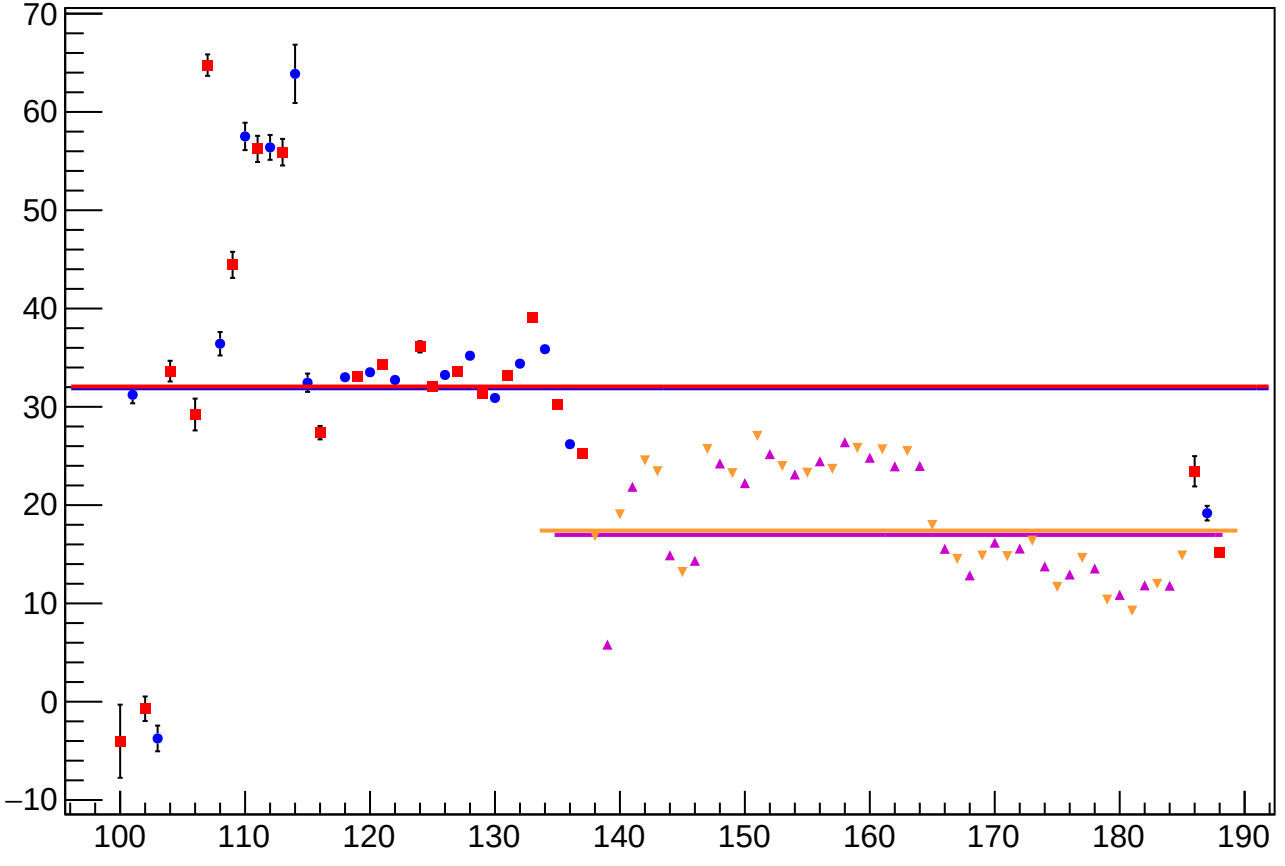
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.906+/-0.026 χ^2/NDF: 23725.5/41

All: -5.051+/-0.018 χ^2/NDF: 48137.8/85

- sign -5.194+/-0.026 χ^2/NDF: 24351.6/43

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 31.886+/-0.081 χ^2/NDF: 3550.3/16

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 32.065+/-0.078 χ^2/NDF: 9158.7/20

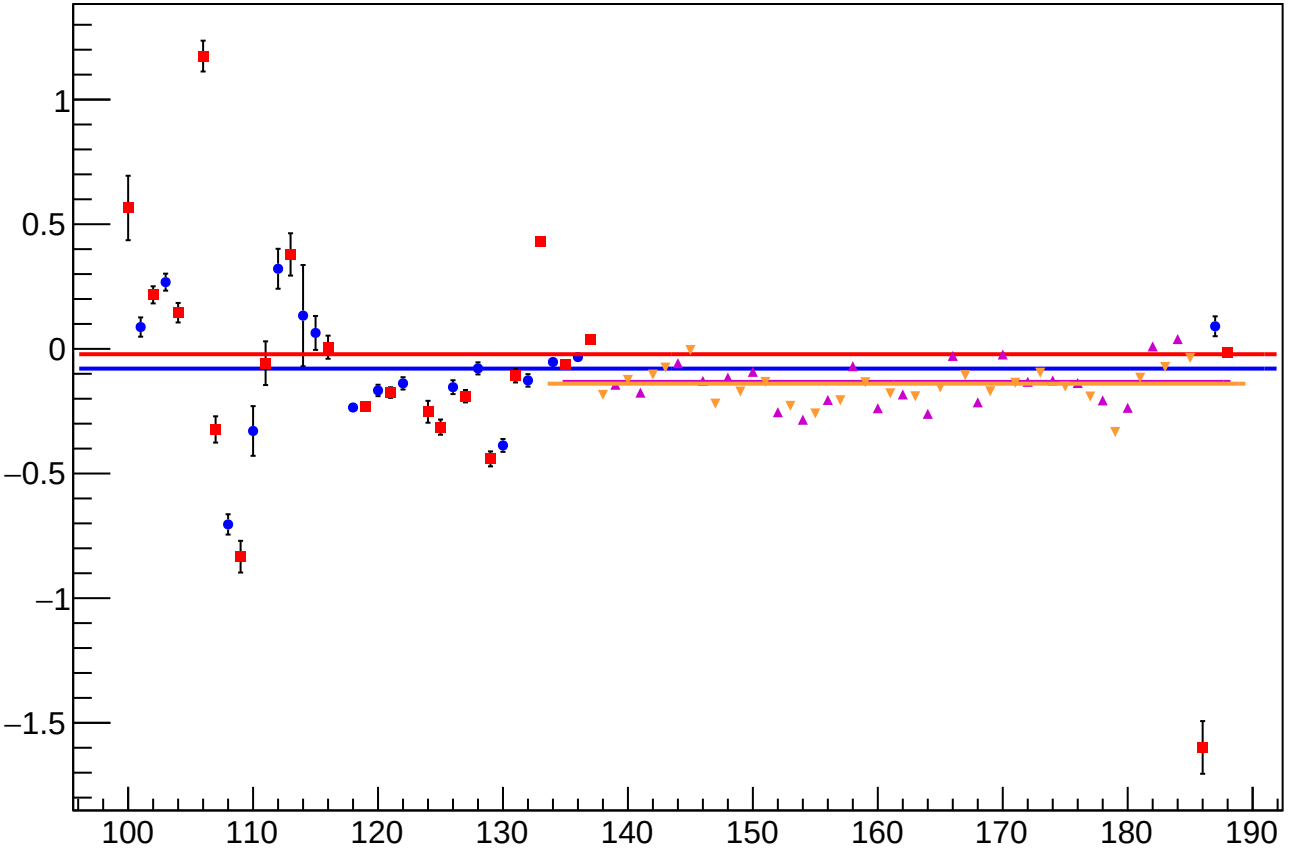
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 18.623+/-0.023 χ^2/NDF: 83587.8/41

All: 18.508+/-0.017 χ^2/NDF: 167037.6/85

- sign 18.388+/-0.024 χ^2/NDF: 83400.2/43

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079+/-0.005 χ^2/NDF: 707.7/16

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.021+/-0.005 χ^2/NDF: 2497.0/20

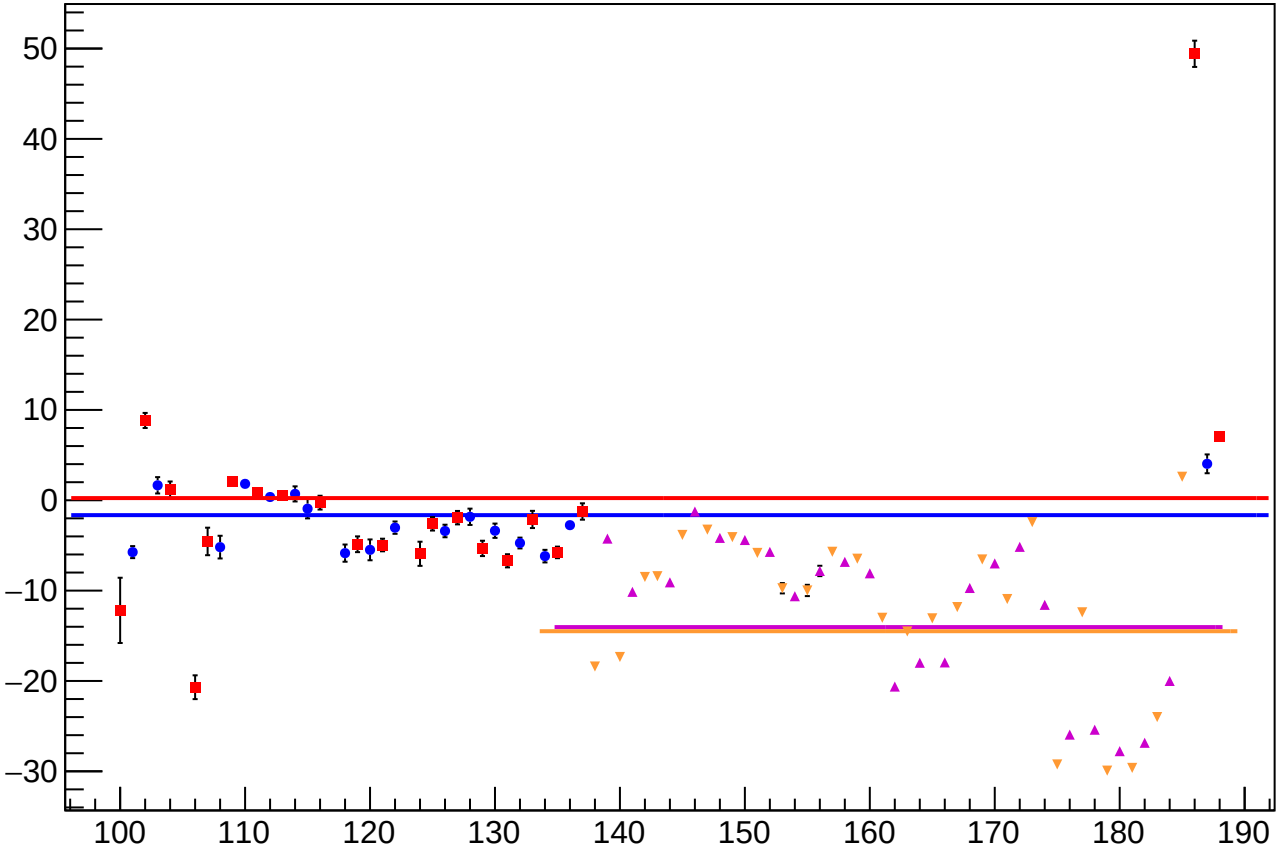
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.137+/-0.001 χ^2/NDF: 4967.2/41

All: -0.132+/-0.001 χ^2/NDF: 13559.9/85

- sign -0.127+/-0.001 χ^2/NDF: 8549.3/43

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -1.646+/-0.155 χ^2/NDF: 328.1/16

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: 0.241+/-0.142 χ^2/NDF: 2093.3/20

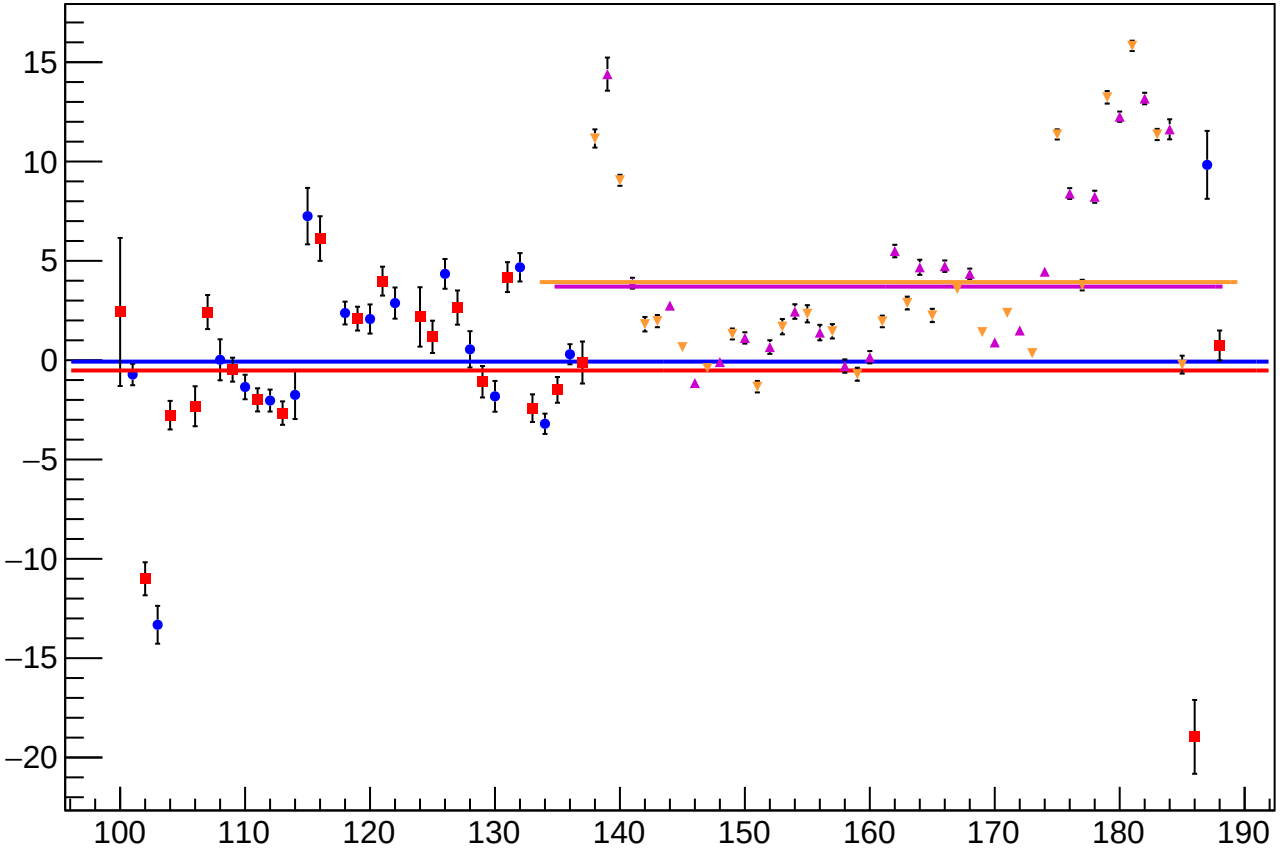
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.078+/-0.067 χ^2/NDF: 23113.4/41

All: -11.447+/-0.048 χ^2/NDF: 46674.1/85

- sign -10.811+/-0.068 χ^2/NDF: 23384.4/43

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.072+/-0.172 χ^2/NDF: 437.1/16

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

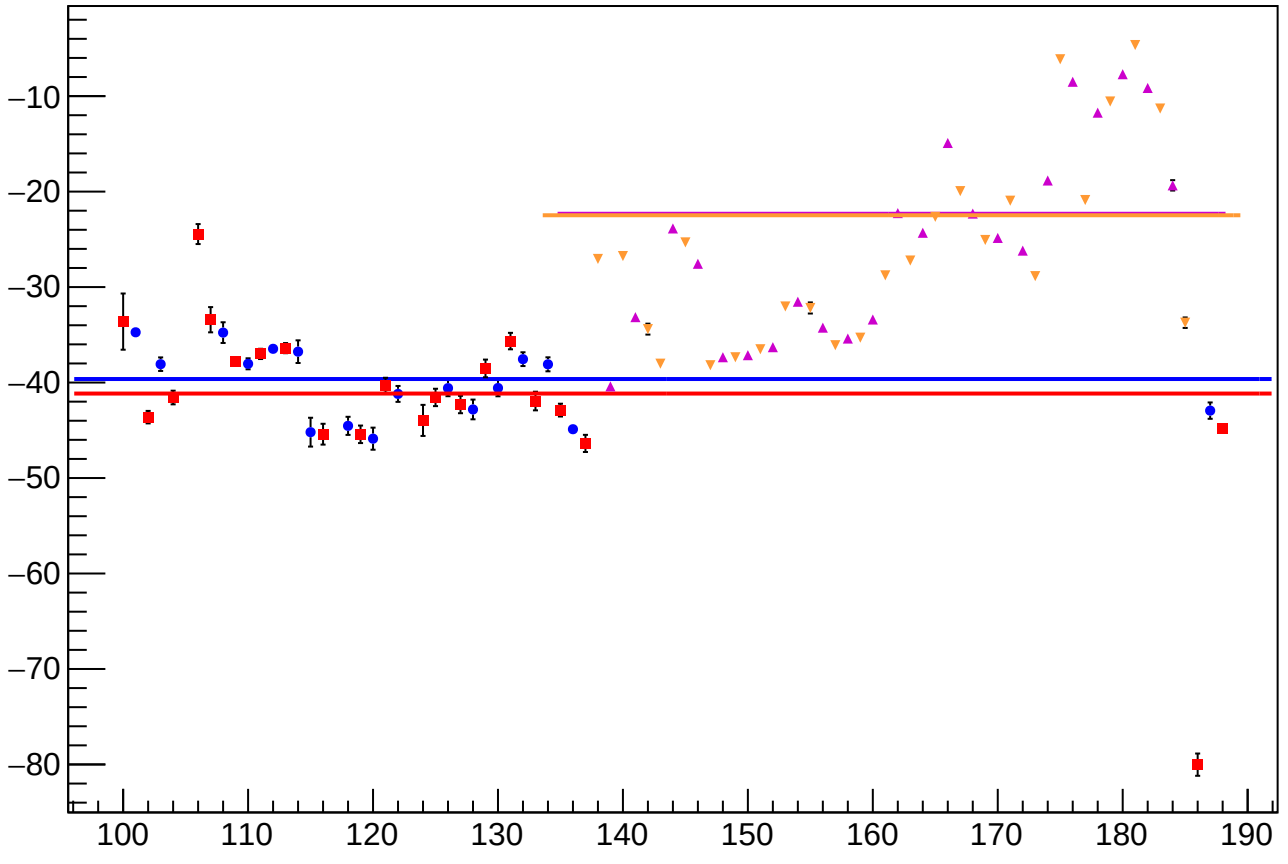
Right Out: -0.519+/-0.172 χ^2/NDF: 467.9/20

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.525+/-0.055 χ^2/NDF: 7902.5/41

All: 3.392+/-0.039 χ^2/NDF: 13710.9/85

- sign 3.253+/-0.056 χ^2/NDF: 5796.4/43



Right In: -39.630+/-0.176 χ^2/NDF: 424.9/16

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -41.152+/-0.165 χ^2/NDF: 1812.4/20

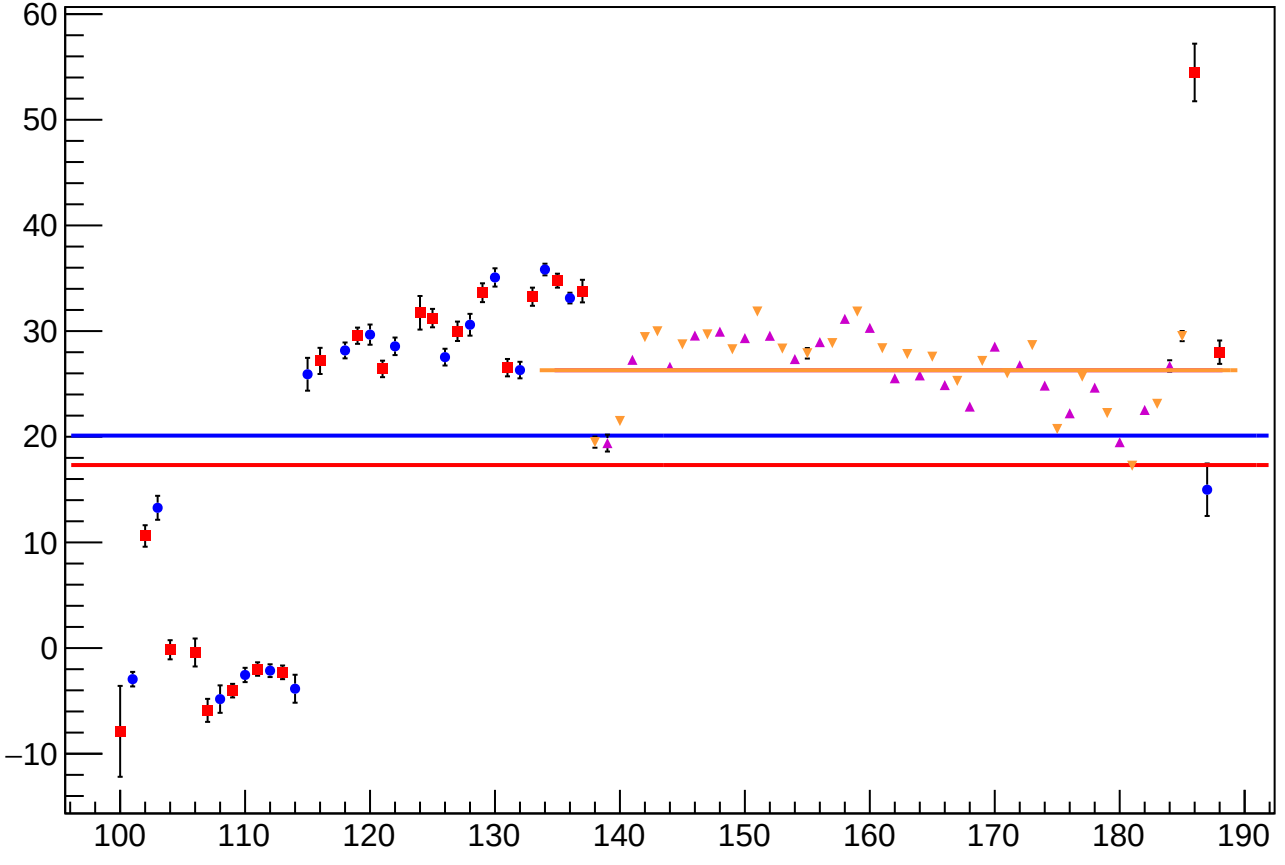
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.092+/-0.069 χ^2/NDF: 28859.9/41

All: -25.372+/-0.049 χ^2/NDF: 58549.3/85

- sign -25.657+/-0.069 χ^2/NDF: 29656.0/43

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.109+/-0.194 χ^2/NDF: 6688.9/16

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 17.322+/-0.196 χ^2/NDF: 7025.5/20

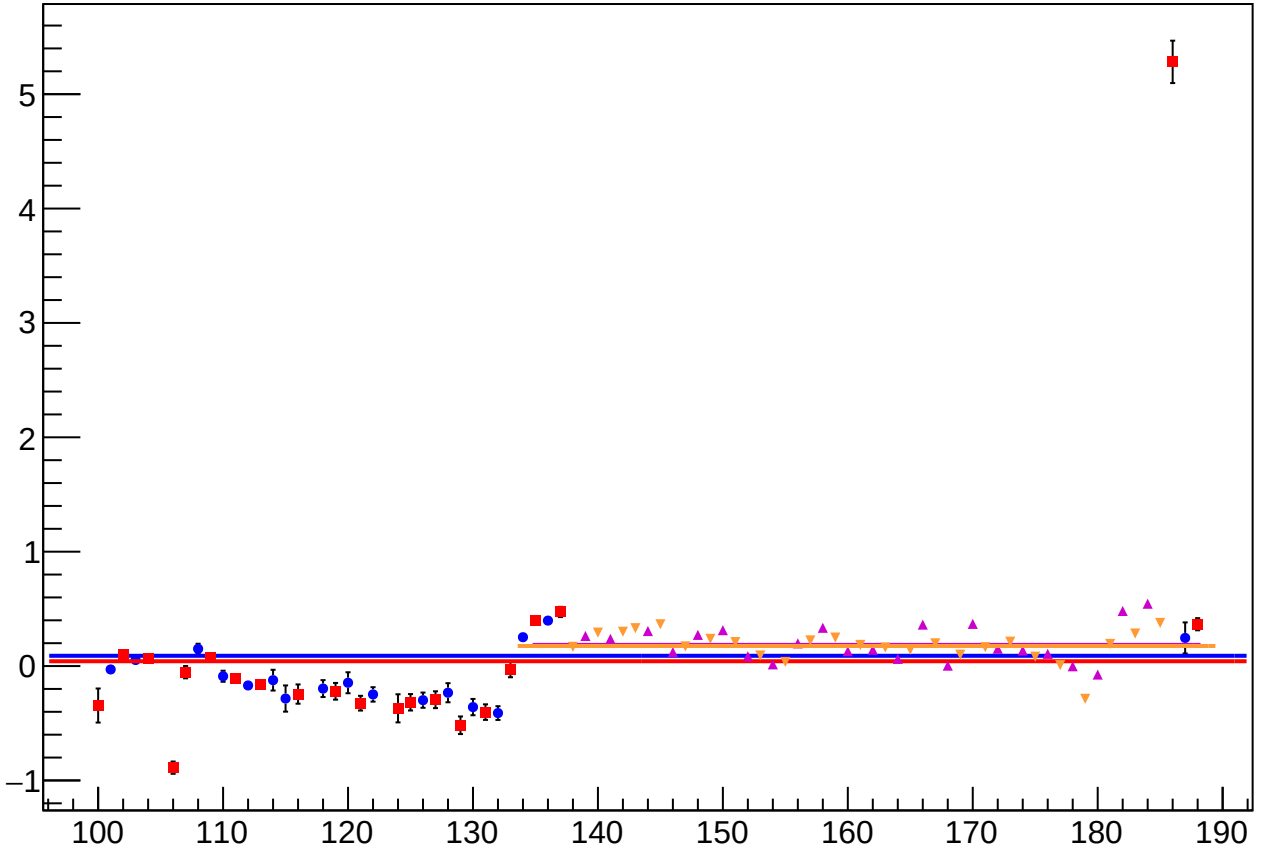
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.671+/-0.062 χ^2/NDF: 10910.0/41

All: 25.520+/-0.044 χ^2/NDF: 22010.5/85

- sign 25.363+/-0.063 χ^2/NDF: 11088.4/43

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.090+/-0.010 χ^2/NDF: 565.3/16

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

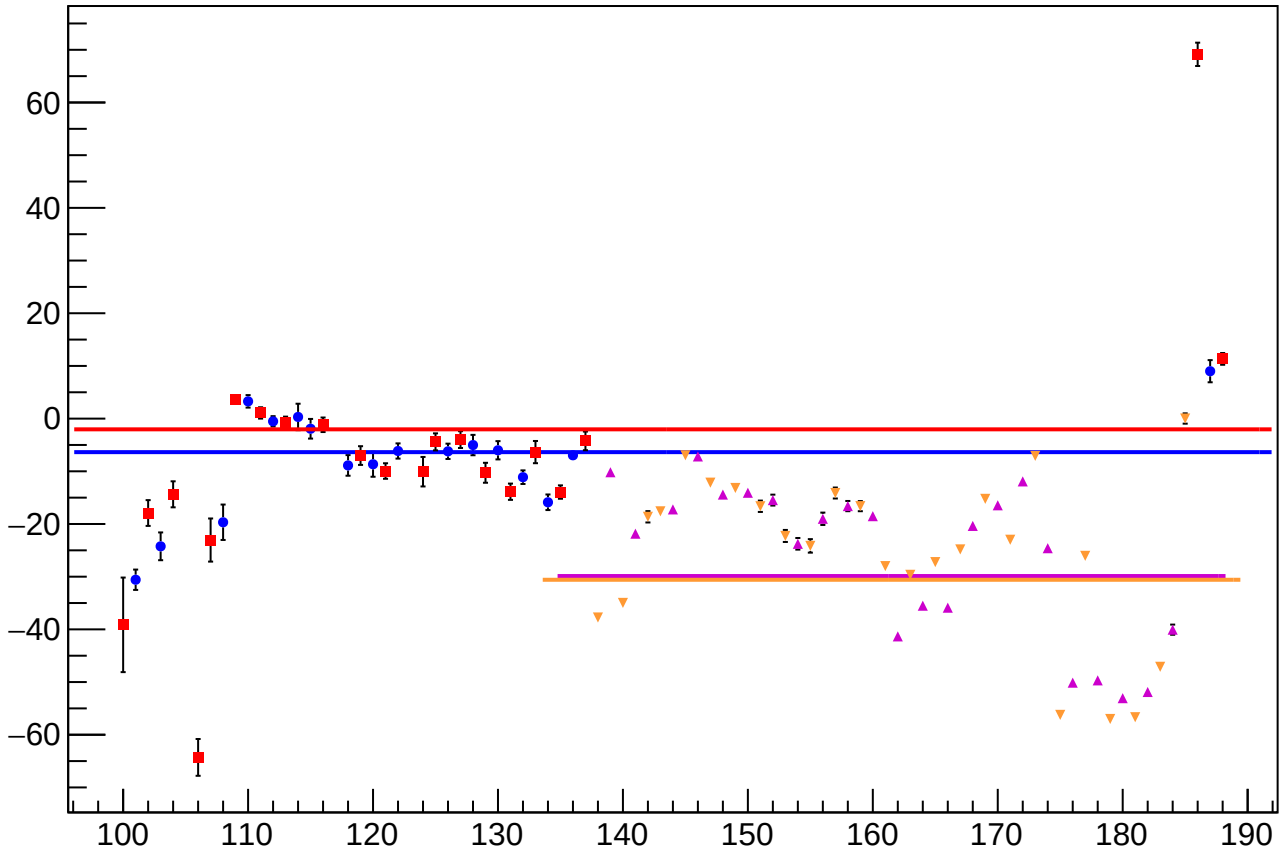
Right Out: 0.042+/-0.011 χ^2/NDF: 1680.1/20

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.169+/-0.003 χ^2/NDF: 2564.2/41

All: 0.172+/-0.002 χ^2/NDF: 6948.3/85

- sign 0.175+/-0.003 χ^2/NDF: 4382.3/43



Right In: -6.363+/-0.370 χ^2/NDF: 445.1/16

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -2.035+/-0.346 χ^2/NDF: 1871.4/20

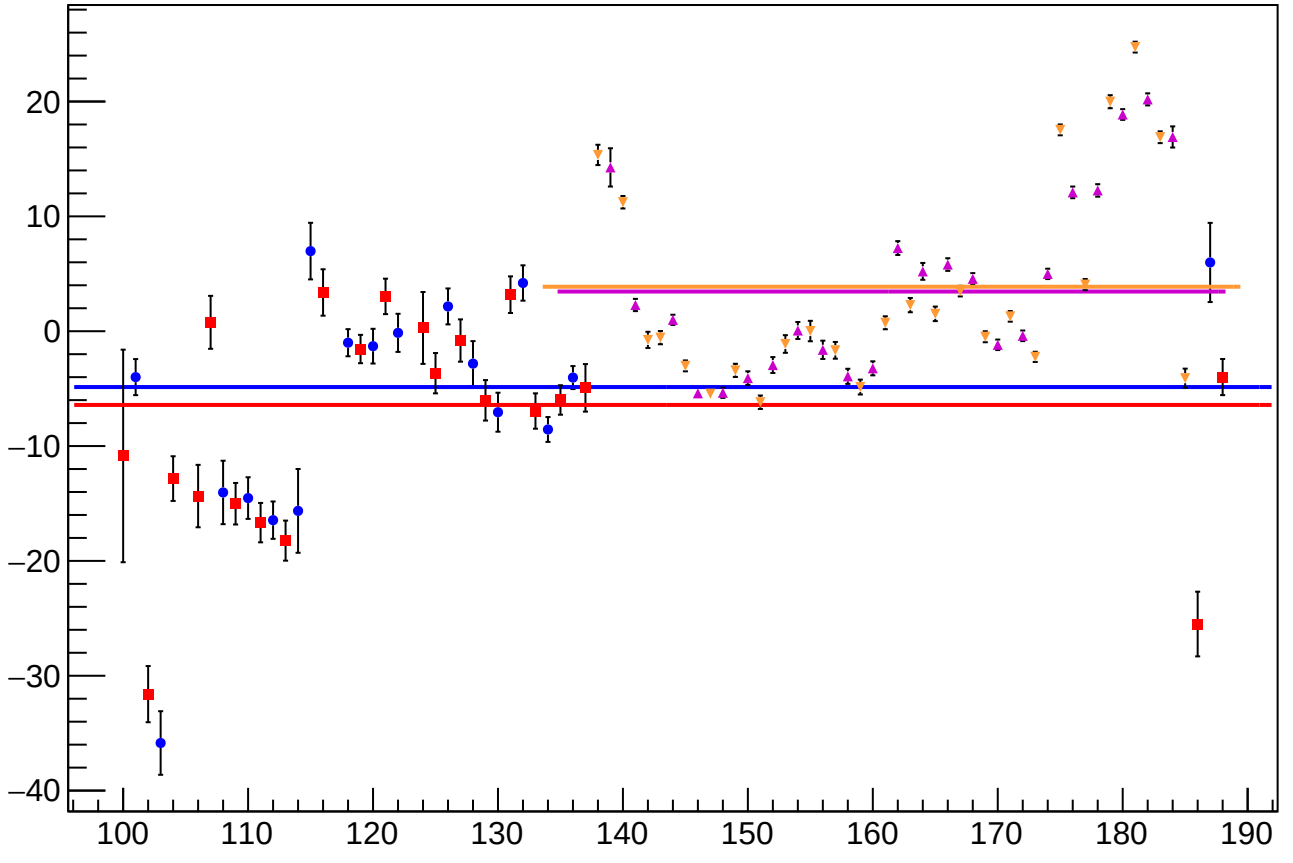
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

\+ sign -27.469+/-0.133 χ^2/NDF: 20230.5/41

All: -26.577+/-0.095 χ^2/NDF: 39724.2/85

\- sign -25.658+/-0.135 χ^2/NDF: 19402.0/43

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -4.862+/-0.393 χ^2/NDF: 351.8/16

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -6.420+/-0.399 χ^2/NDF: 417.7/20

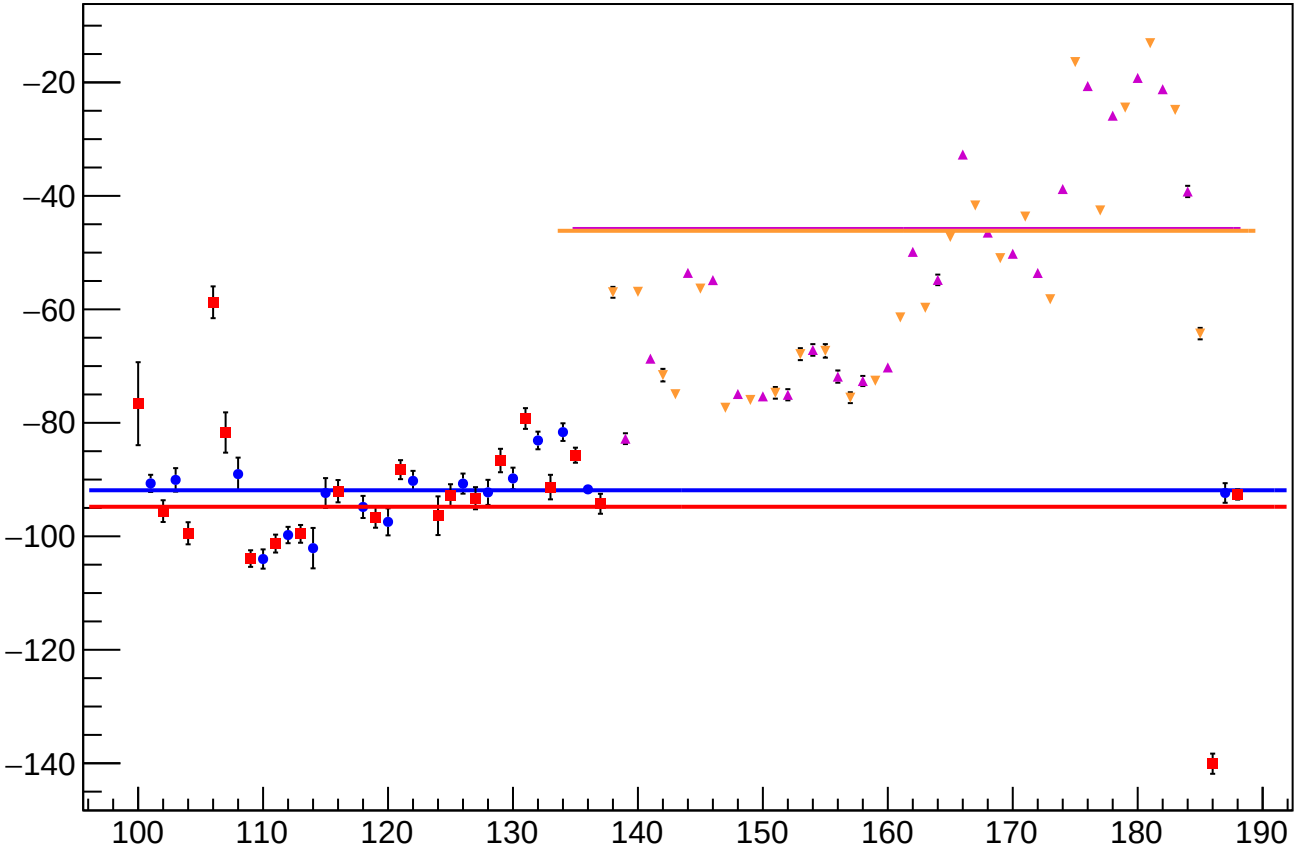
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.225+/-0.107 χ^2/NDF: 7351.7/41

All: 2.973+/-0.076 χ^2/NDF: 13041.8/85

- sign 2.710+/-0.109 χ^2/NDF: 5678.8/43

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.885+/-0.412 χ^2/NDF: 177.4/16

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -94.793+/-0.385 χ^2/NDF: 1069.1/20

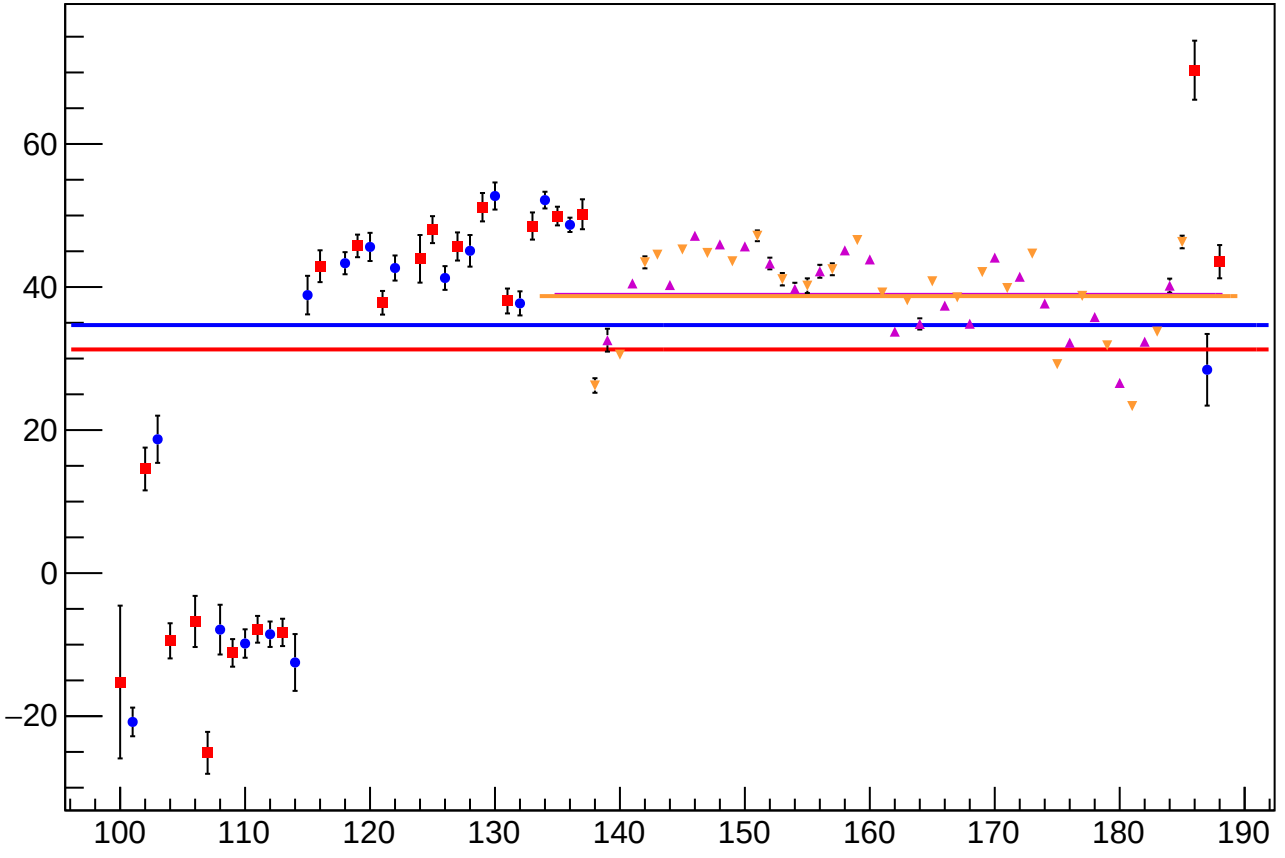
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.037+/-0.135 χ^2/NDF: 32646.8/41

All: -51.504+/-0.096 χ^2/NDF: 65790.7/85

- sign -51.984+/-0.137 χ^2/NDF: 33119.5/43

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.680+/-0.440 χ^2/NDF: 2810.7/16

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 31.274+/-0.455 χ^2/NDF: 3033.0/20

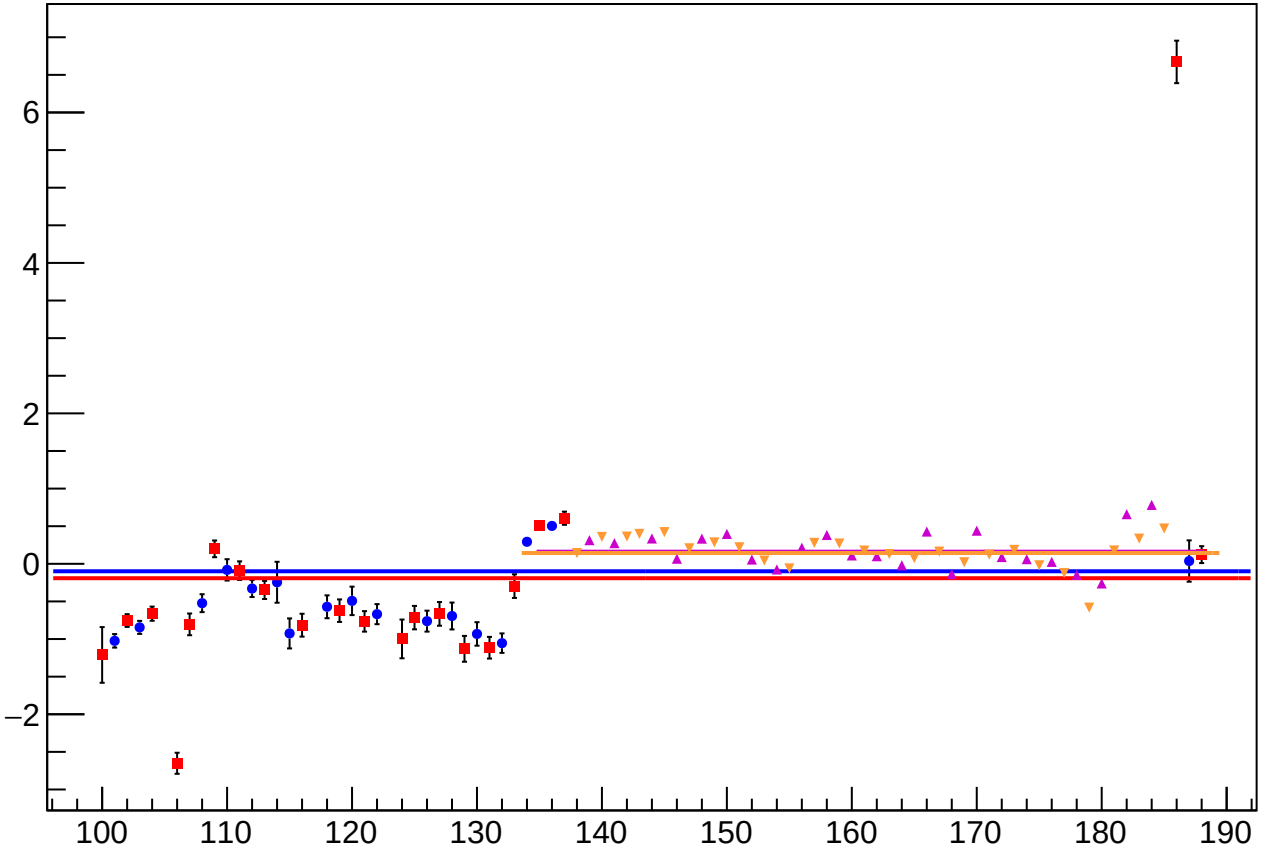
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.430+/-0.120 χ^2/NDF: 5670.8/41

All: 38.391+/-0.086 χ^2/NDF: 10936.3/85

- sign 38.350+/-0.123 χ^2/NDF: 5265.3/43

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.099+/-0.024 χ^2/NDF: 631.7/16

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.191+/-0.026 χ^2/NDF: 1429.0/20

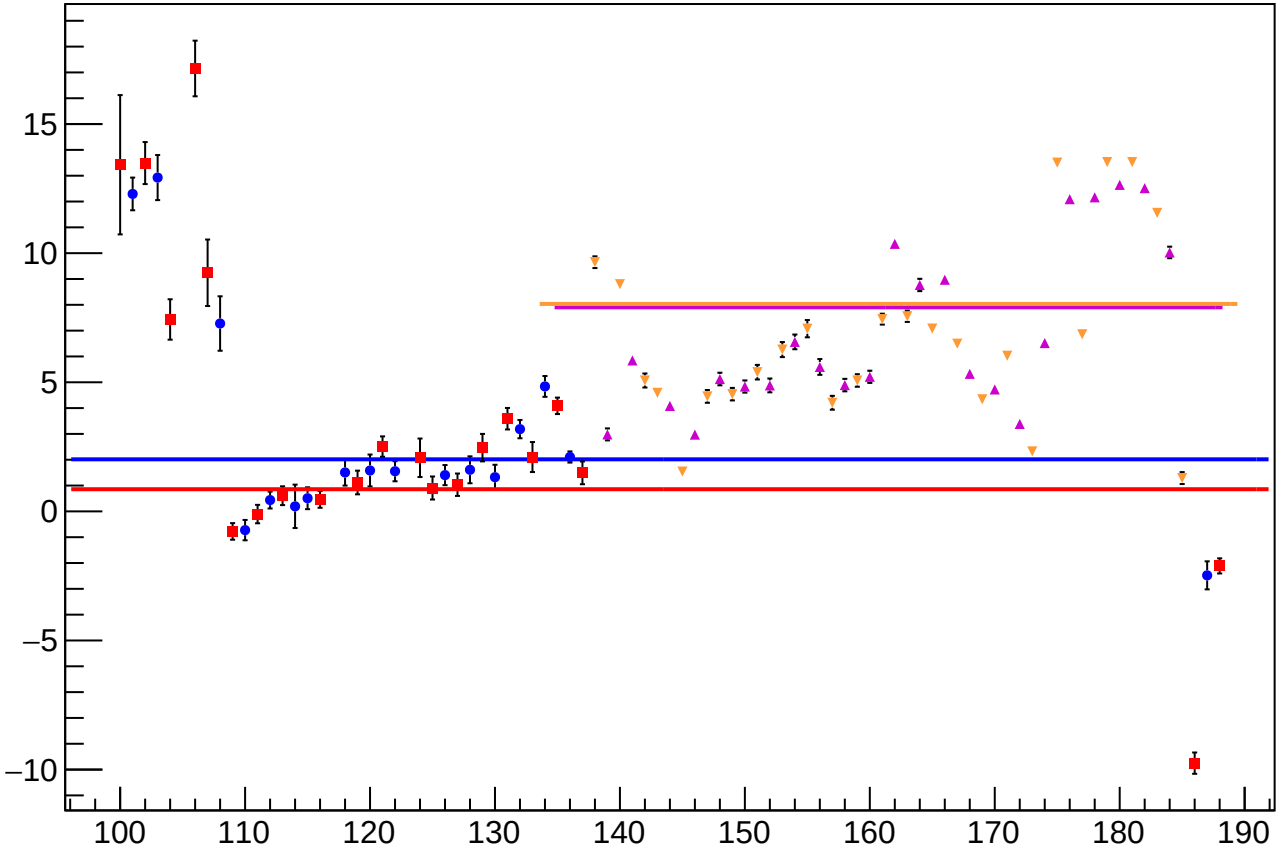
Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.131+/-0.005 χ^2/NDF: 2172.2/41

All: 0.138+/-0.004 χ^2/NDF: 5704.6/85

- sign 0.145+/-0.006 χ^2/NDF: 3529.5/43

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.016+/-0.103 χ^2/NDF: 670.3/16

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

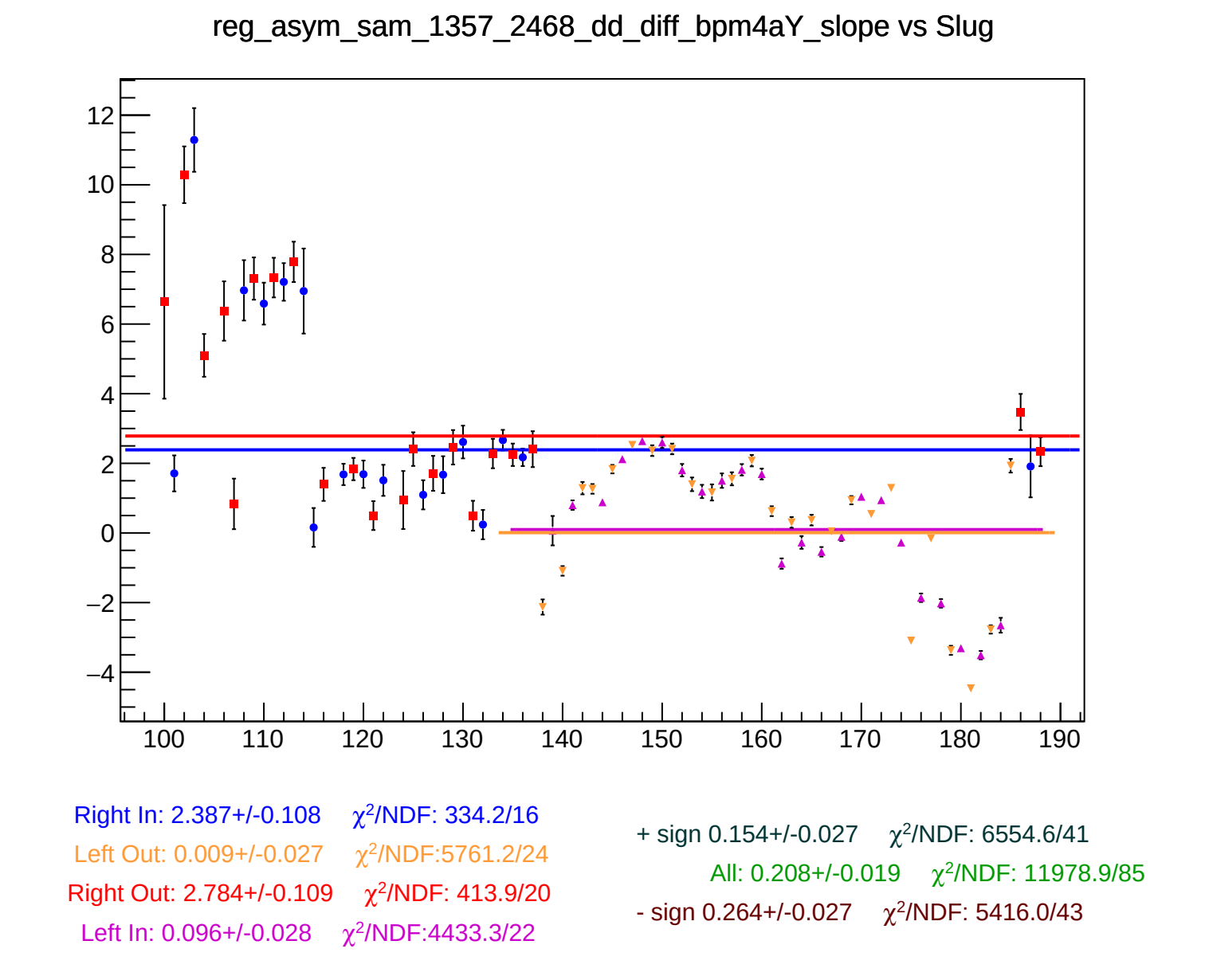
Right Out: 0.858+/-0.096 χ^2/NDF: 1585.5/20

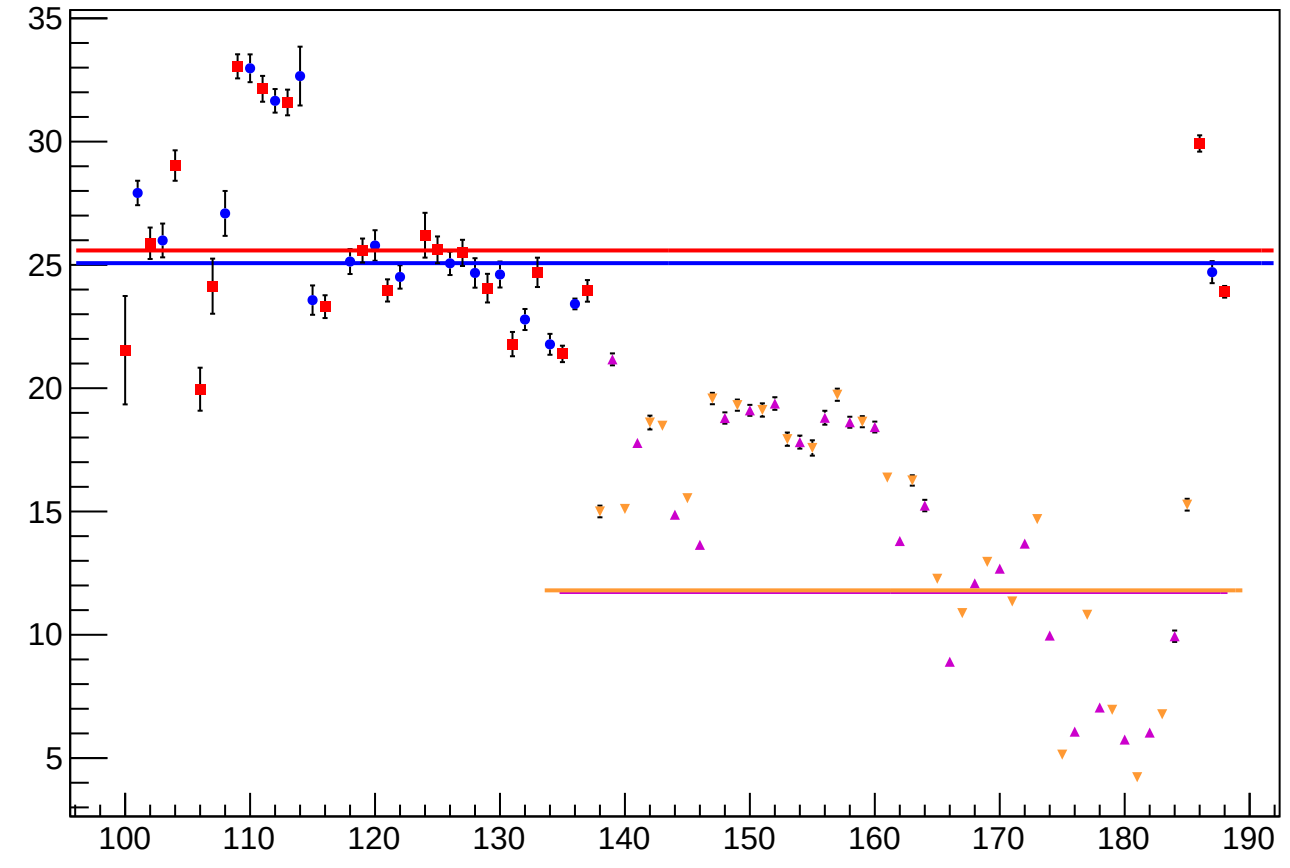
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

\+ sign 7.420+/-0.033 χ^2/NDF: 17655.9/41

All: 7.239+/-0.023 χ^2/NDF: 34005.8/85

\- sign 7.051+/-0.034 χ^2/NDF: 16287.9/43


reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: 2.387+/-0.108 χ²/NDF: 334.2/16
Left Out: 0.009+/-0.027 χ²/NDF:5761.2/24
Right Out: 2.784+/-0.109 χ²/NDF: 413.9/20
Left In: 0.096+/-0.028 χ²/NDF:4433.3/22
+ sign 0.154+/-0.027 χ²/NDF: 6554.6/41
All: 0.208+/-0.019 χ²/NDF: 11978.9/85
- sign 0.264+/-0.027 χ²/NDF: 5416.0/43



Right In: 25.071+/-0.114 χ^2/NDF: 623.6/16

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

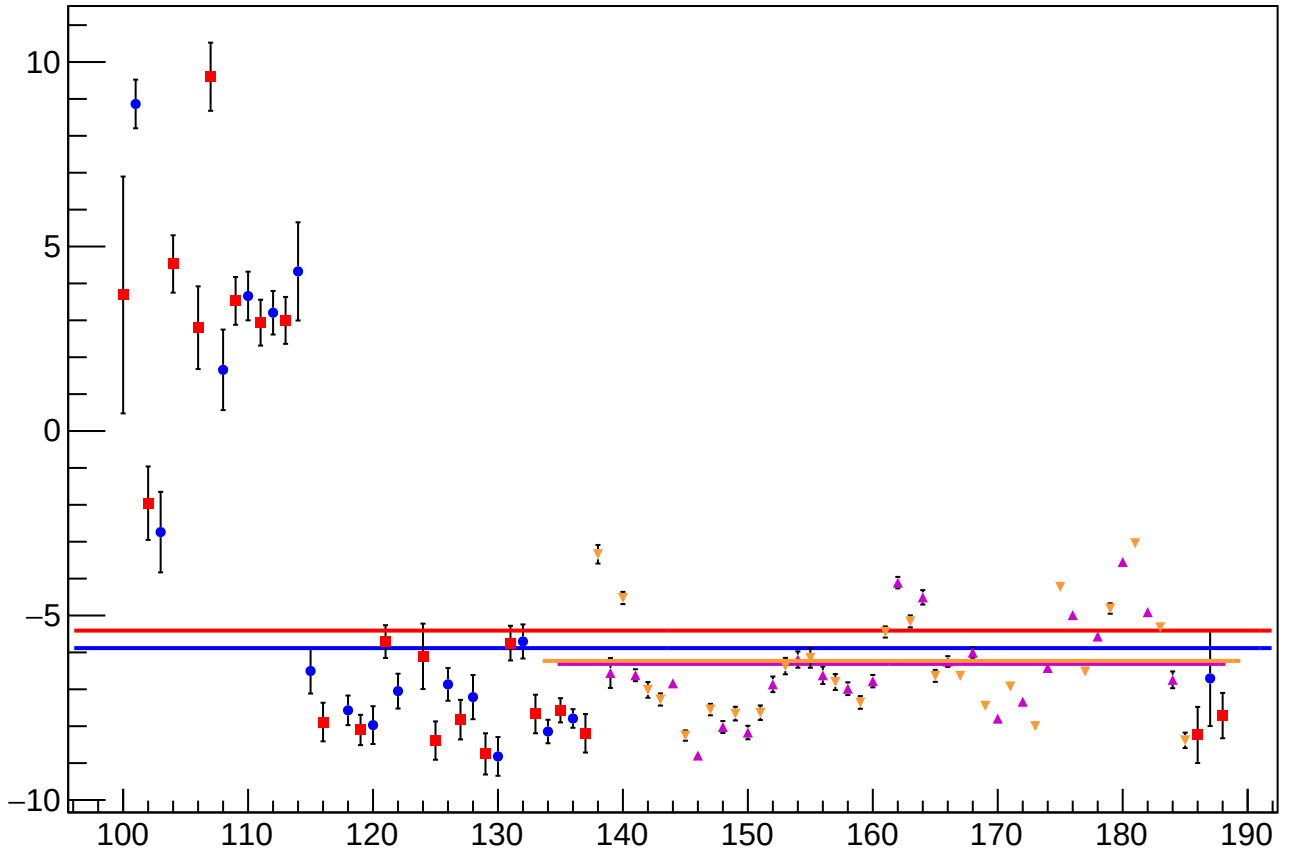
Right Out: 25.586+/-0.104 χ^2/NDF: 1100.9/20

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

\+ sign 12.942+/-0.033 χ^2/NDF: 34561.8/41

All: 13.067+/-0.024 χ^2/NDF: 69477.9/85

\- sign 13.197+/-0.034 χ^2/NDF: 34887.3/43



Right In: -5.883+/-0.120 χ^2/NDF: 1251.8/16

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

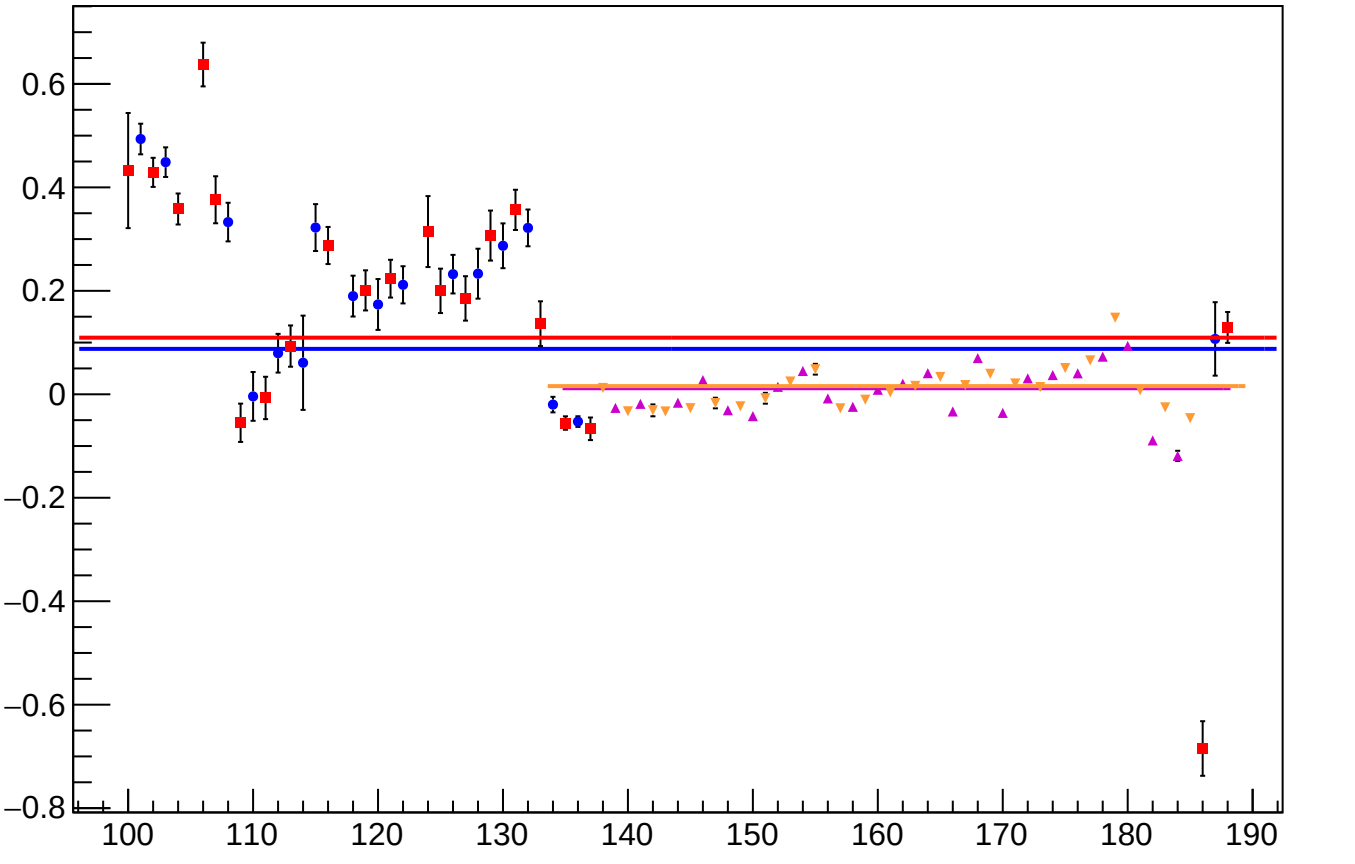
Right Out: -5.409+/-0.125 χ^2/NDF: 1321.9/20

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.209+/-0.030 χ^2/NDF: 3709.7/41

All: -6.233+/-0.021 χ^2/NDF: 7112.1/85

- sign -6.258+/-0.030 χ^2/NDF: 3401.1/43



Right In: 0.088+/-0.007 χ^2/NDF: 768.1/16

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.109+/-0.007 χ^2/NDF: 993.0/20

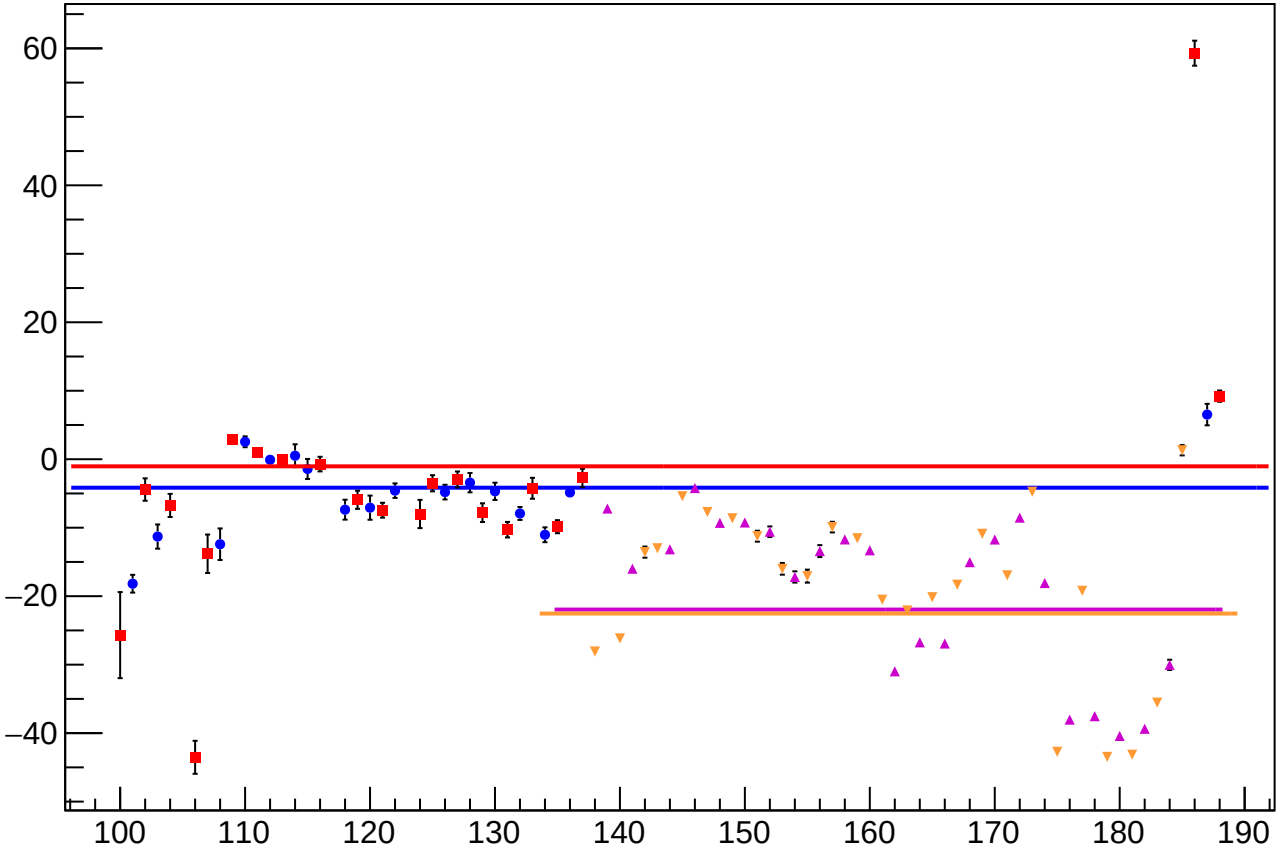
Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.019+/-0.001 χ^2/NDF: 1816.7/41

All: 0.017+/-0.001 χ^2/NDF: 4295.0/85

- sign 0.015+/-0.001 χ^2/NDF: 2475.2/43

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.158+/-0.265 χ^2/NDF: 379.5/16

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -1.037+/-0.246 χ^2/NDF: 1906.4/20

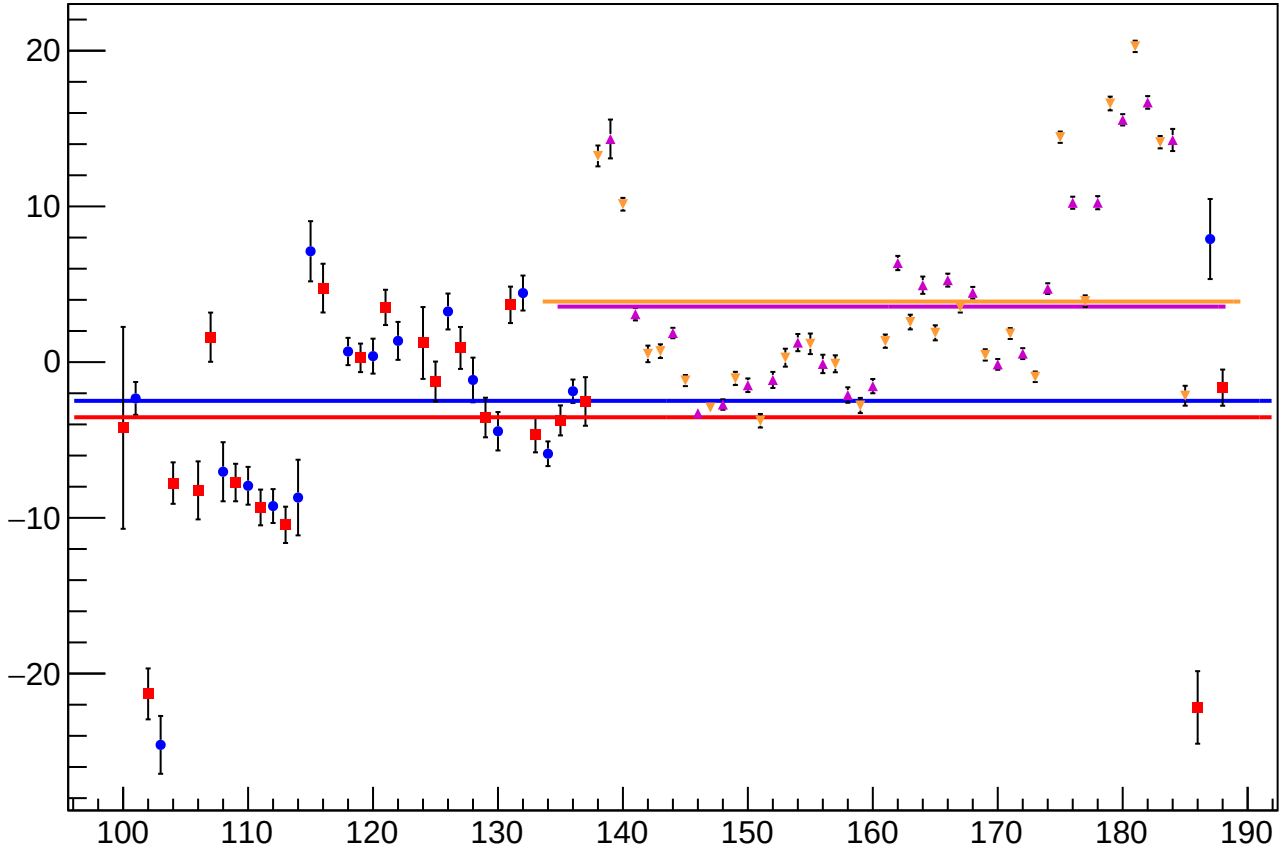
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.909+/-0.100 χ^2/NDF: 21055.4/41

All: -19.172+/-0.071 χ^2/NDF: 41648.9/85

- sign -18.417+/-0.101 χ^2/NDF: 20483.8/43

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -2.486+/-0.284 χ^2/NDF: 368.5/16

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

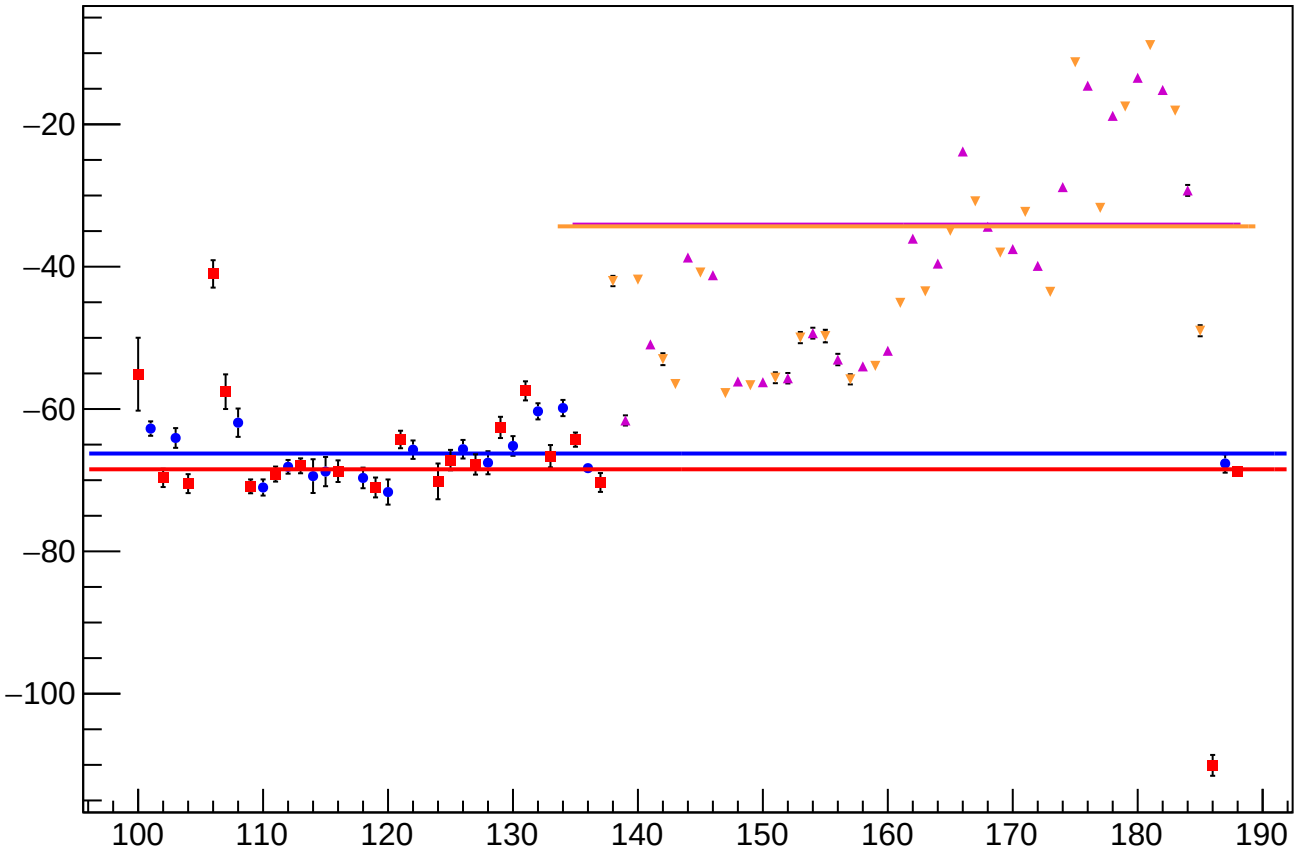
Right Out: -3.540+/-0.287 χ^2/NDF: 426.7/20

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

\+ sign 3.375+/-0.081 χ^2/NDF: 7556.1/41

All: 3.181+/-0.058 χ^2/NDF: 13295.8/85

\- sign 2.978+/-0.083 χ^2/NDF: 5727.9/43



Right In: -66.253+/-0.296 χ^2/NDF: 130.4/16

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

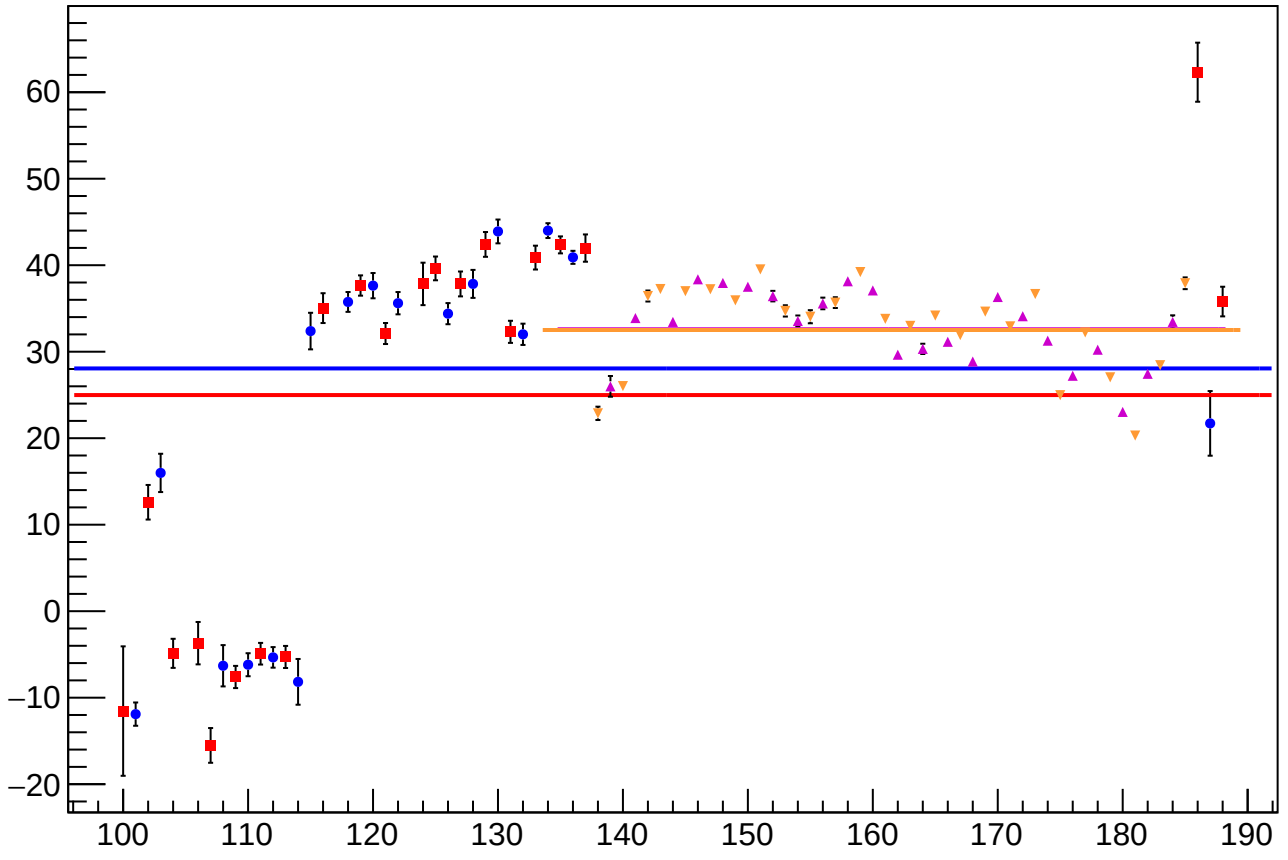
Right Out: -68.470+/-0.278 χ^2/NDF: 1165.5/20

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.097+/-0.102 χ^2/NDF: 31576.7/41

All: -38.458+/-0.072 χ^2/NDF: 63725.0/85

- sign -38.829+/-0.103 χ^2/NDF: 32122.7/43



Right In: 28.066+/-0.319 χ^2/NDF: 3730.6/16

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.987+/-0.328 χ^2/NDF: 4006.3/20

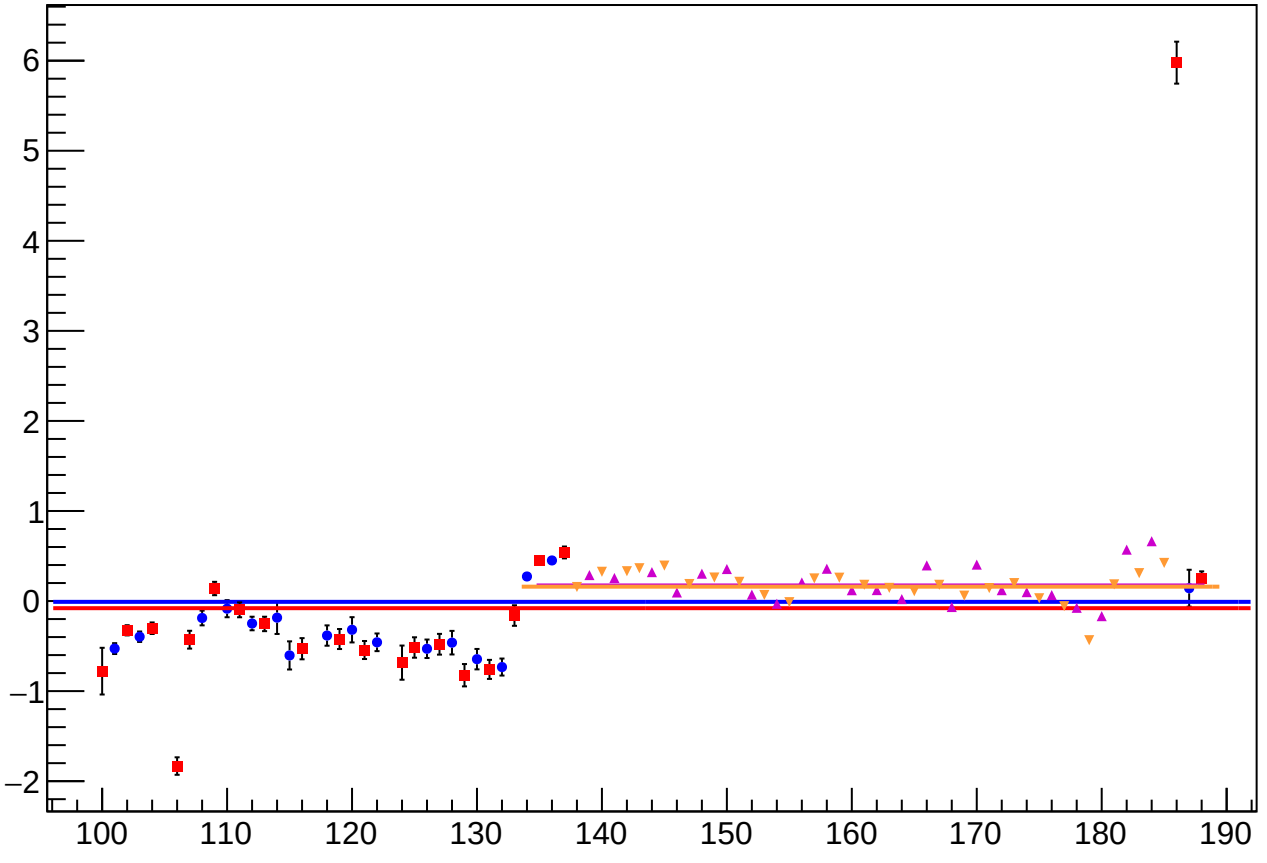
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.151+/-0.091 χ^2/NDF: 6847.3/41

All: 32.072+/-0.065 χ^2/NDF: 13364.0/85

- sign 31.988+/-0.093 χ^2/NDF: 6515.0/43

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.009+/-0.017 χ^2/NDF: 587.9/16

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.079+/-0.018 χ^2/NDF: 1519.0/20

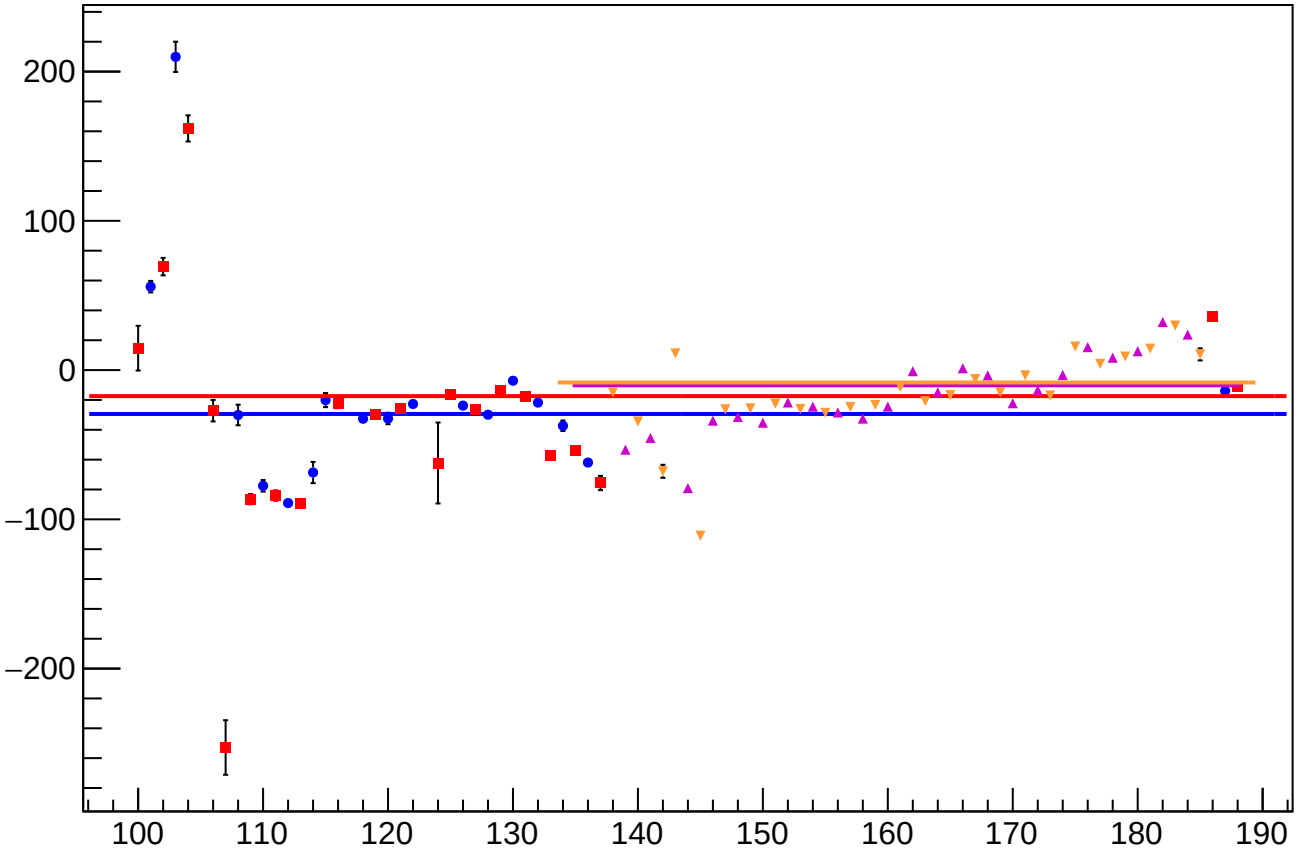
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.150+/-0.004 χ^2/NDF: 2290.8/41

All: 0.155+/-0.003 χ^2/NDF: 6122.4/85

- sign 0.160+/-0.004 χ^2/NDF: 3828.9/43

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -29.396+/-0.777 χ^2/NDF: 1947.1/16

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -17.444+/-0.634 χ^2/NDF: 3863.7/20

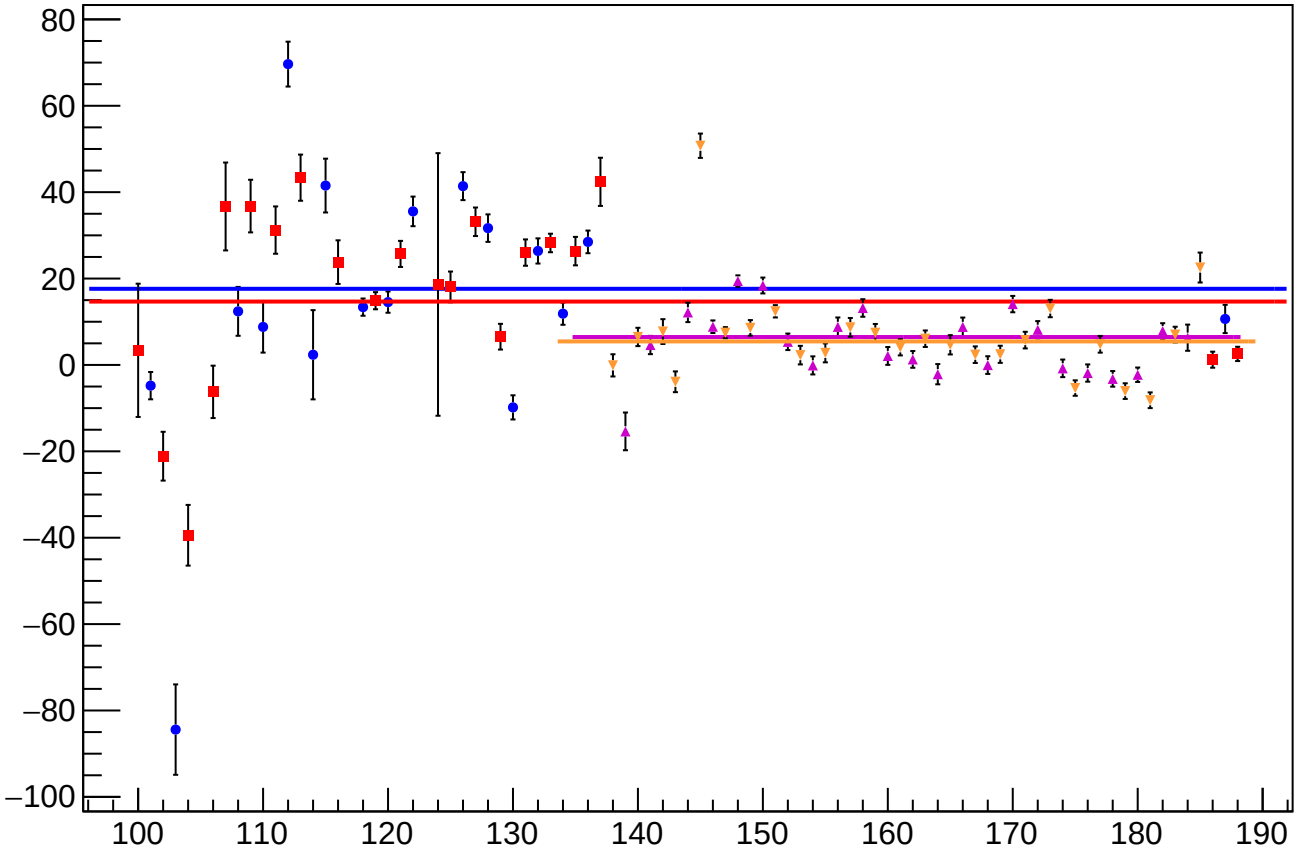
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -14.713+/-0.428 χ^2/NDF: 5019.7/41

All: -13.885+/-0.294 χ^2/NDF: 11486.6/85

- sign -13.147+/-0.405 χ^2/NDF: 6459.8/43

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 17.628+/-0.798 χ^2/NDF: 504.4/16

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 14.672+/-0.710 χ^2/NDF: 421.3/20

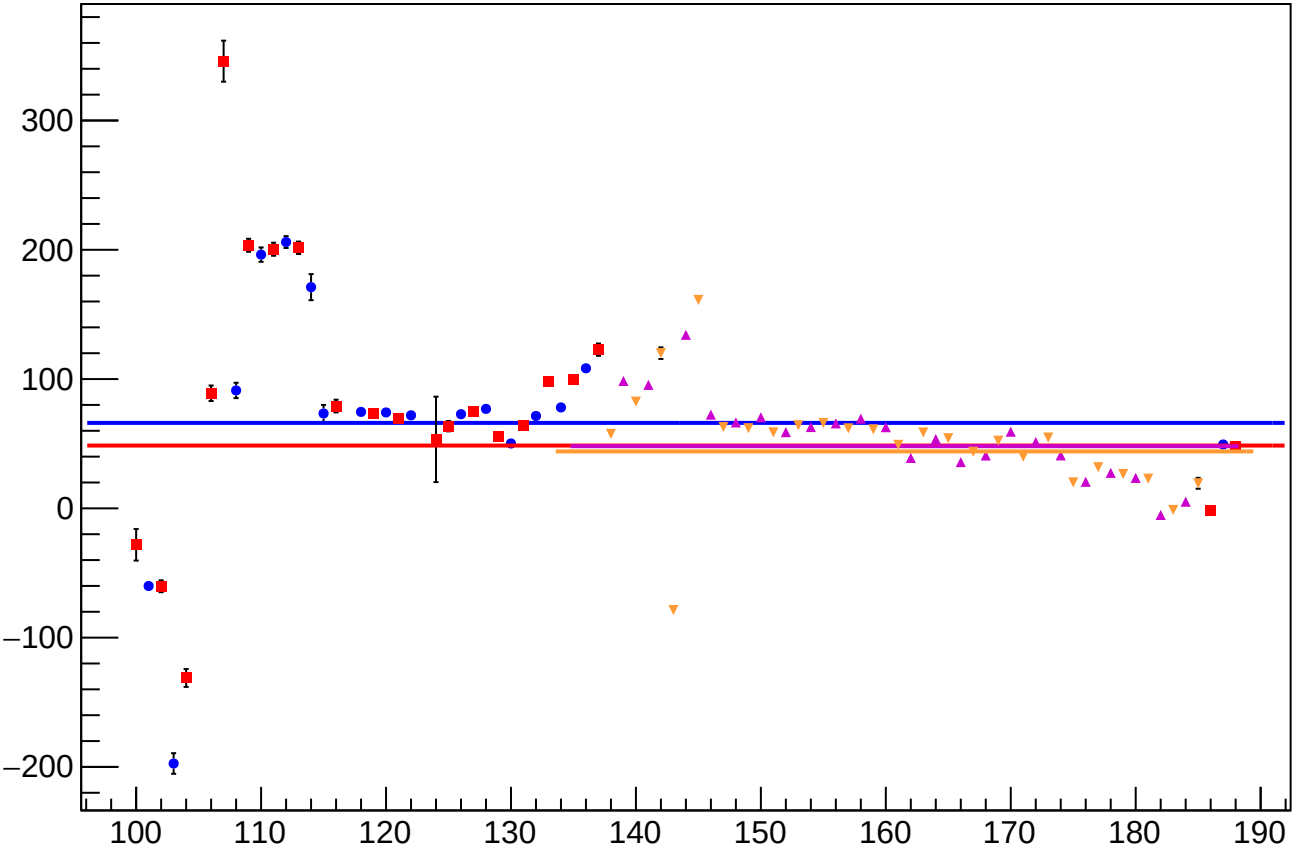
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.833+/-0.353 χ^2/NDF: 1185.5/41

All: 8.165+/-0.250 χ^2/NDF: 2045.0/85

- sign 8.498+/-0.354 χ^2/NDF: 857.7/43

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 66.104+/-0.811 χ^2/NDF: 4954.6/16

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 48.575+/-0.596 χ^2/NDF: 7318.4/20

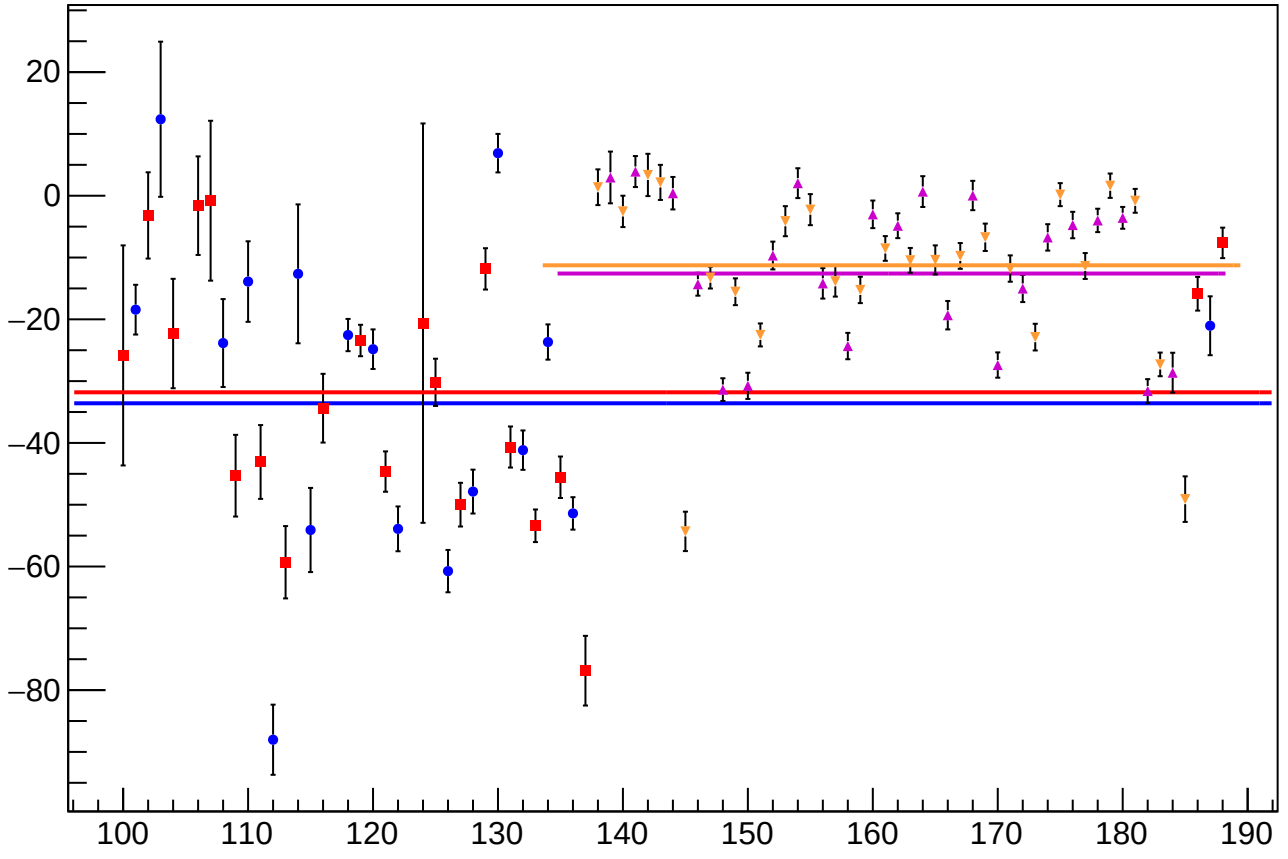
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 50.292+/-0.432 χ^2/NDF: 10048.9/41

All: 49.197+/-0.290 χ^2/NDF: 20756.0/85

- sign 48.293+/-0.392 χ^2/NDF: 10695.3/43

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.586+/-0.924 χ^2/NDF: 518.4/16

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -31.809+/-0.873 χ^2/NDF: 442.0/20

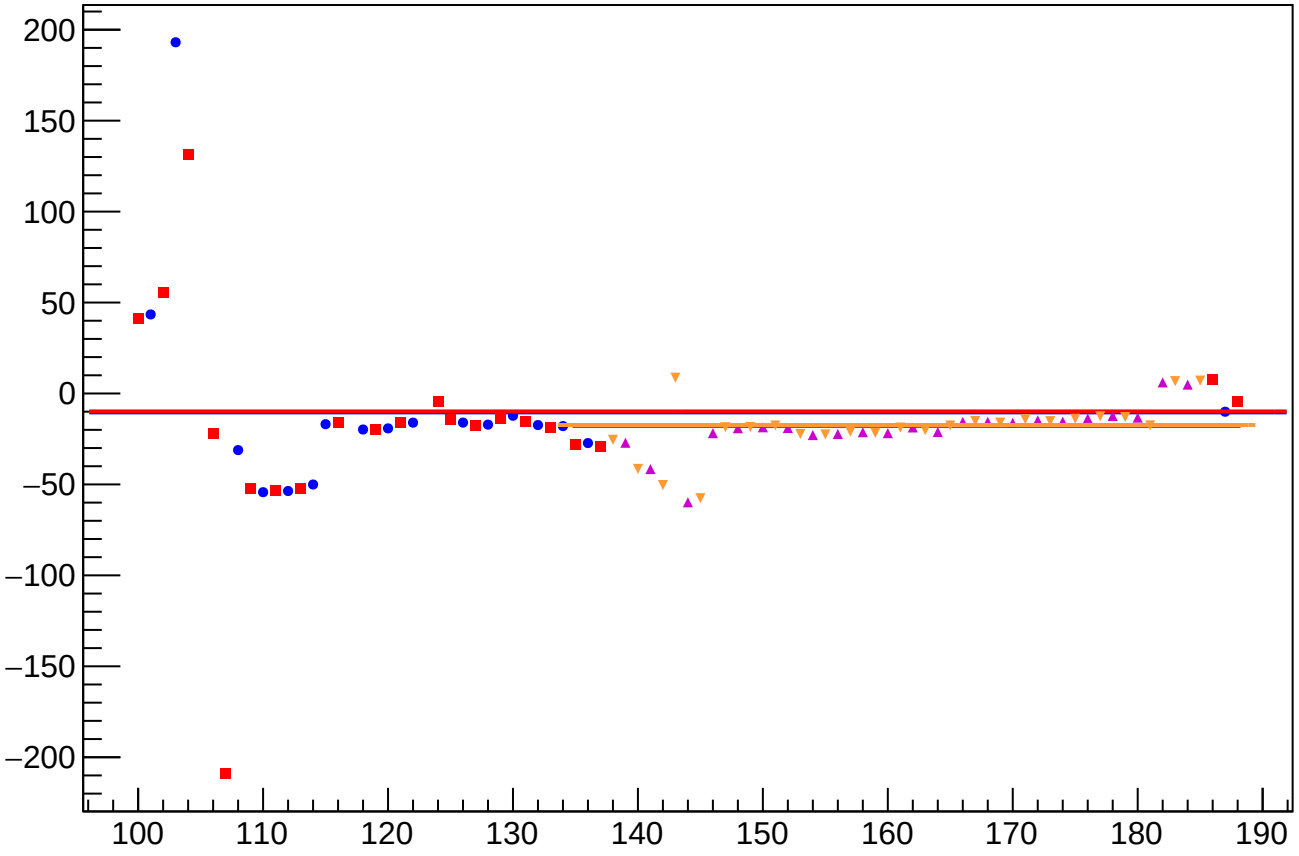
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.459+/-0.401 χ^2/NDF: 1635.4/41

All: -16.095+/-0.285 χ^2/NDF: 3133.9/85

- sign -16.748+/-0.406 χ^2/NDF: 1493.5/43

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.383+/-0.056 χ^2/NDF: 522336.4/16

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -9.869+/-0.054 χ^2/NDF: 462506.5/20

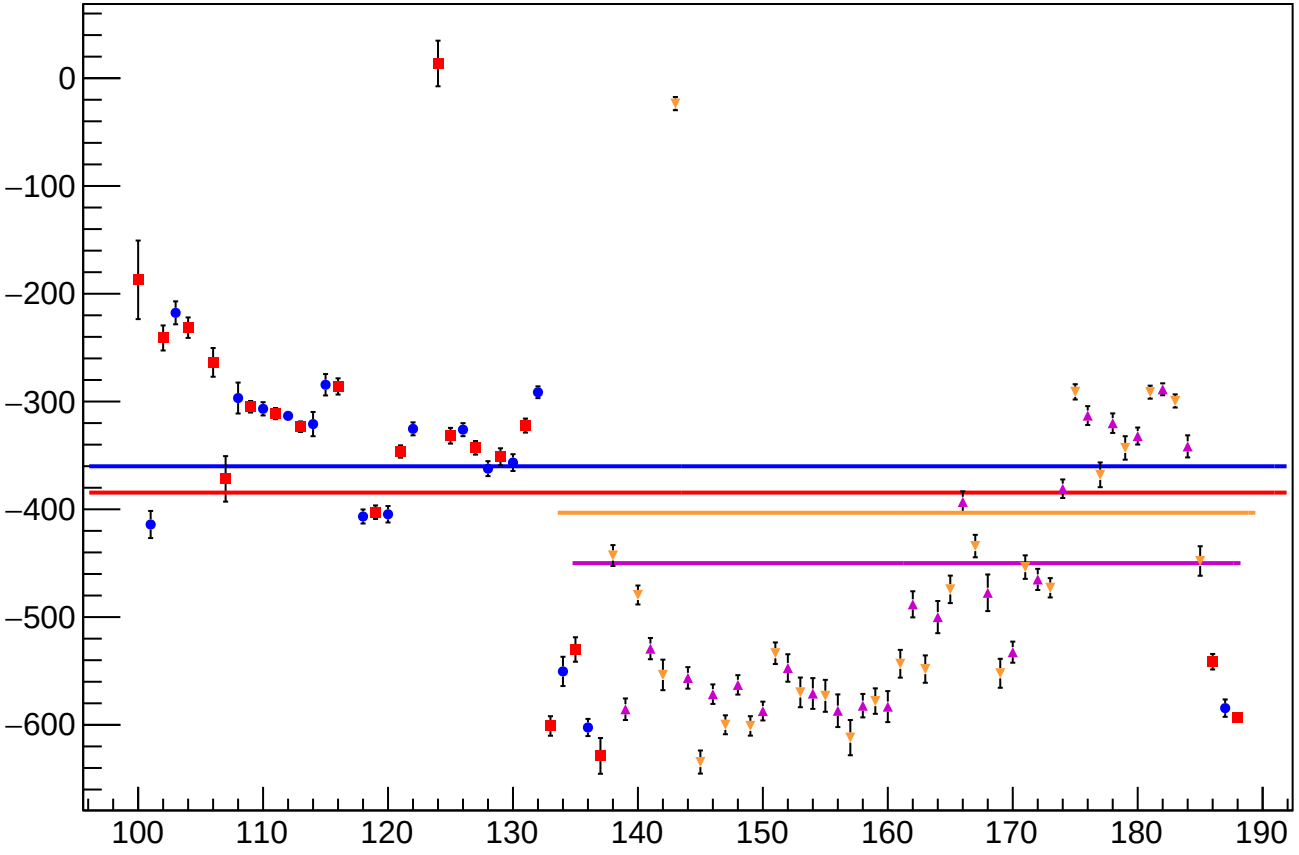
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -16.535+/-0.019 χ^2/NDF: 883980.0/41

All: -16.685+/-0.013 χ^2/NDF: 1633190.0/85

- sign -16.839+/-0.019 χ^2/NDF: 749080.4/43

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -360.080+/-1.780 χ^2/NDF: 2672.6/16

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -384.501+/-1.588 χ^2/NDF: 5663.9/20

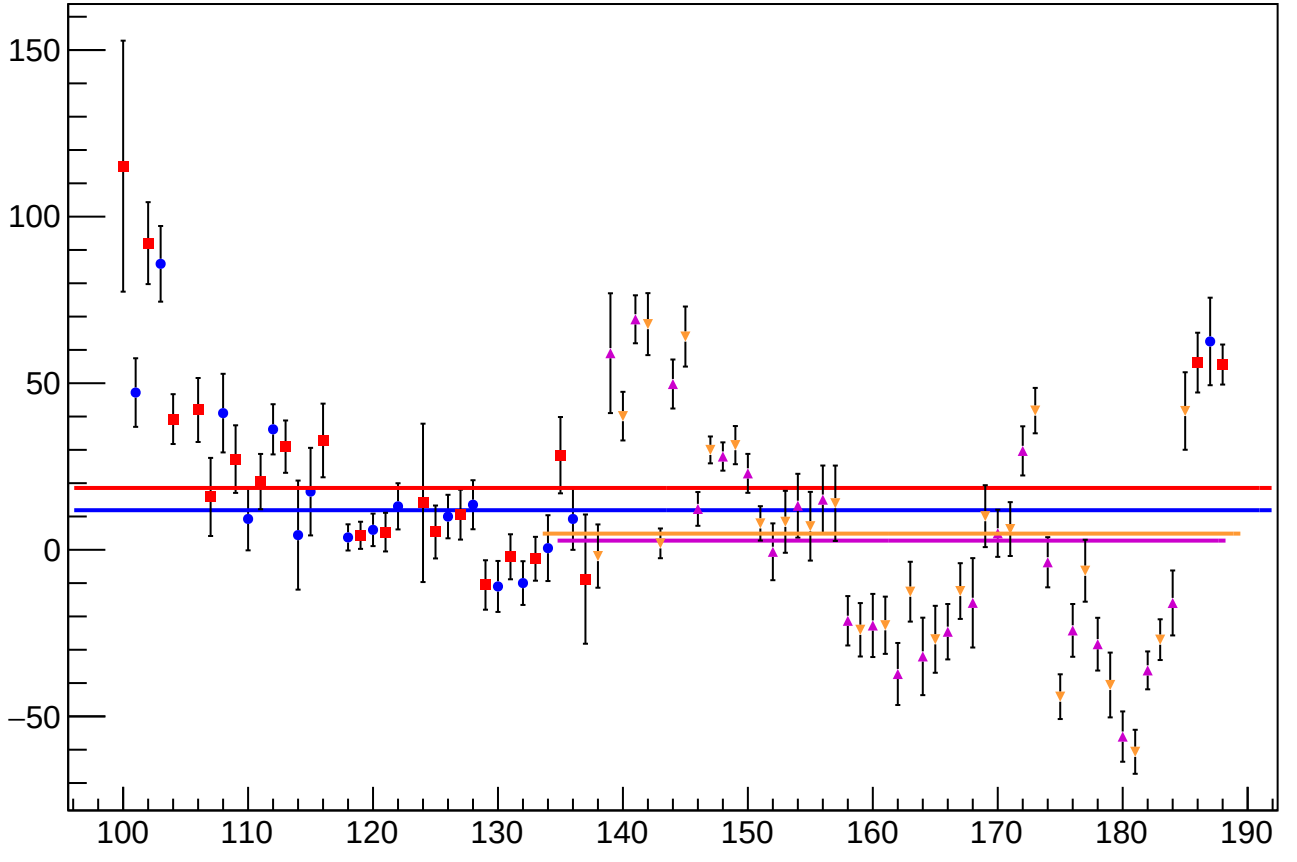
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -379.920+/-1.308 χ^2/NDF: 10693.0/41

All: -395.139+/-0.905 χ^2/NDF: 20474.8/85

- sign -409.133+/-1.254 χ^2/NDF: 9521.8/43

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 11.885+/-1.825 χ^2/NDF: 113.4/16

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 18.563+/-1.738 χ^2/NDF: 175.7/20

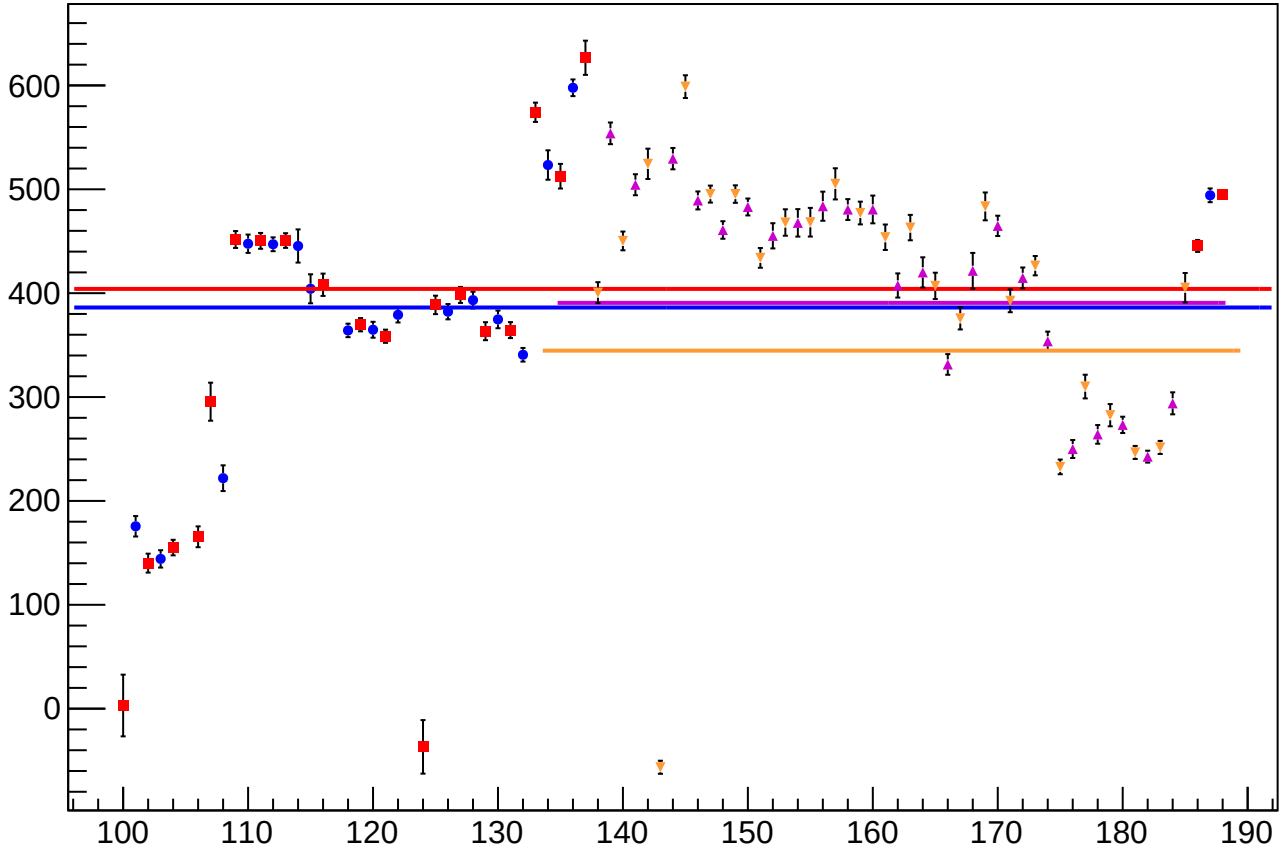
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

\+ sign 7.570+/-1.134 χ^2/NDF: 579.7/41

All: 8.651+/-0.810 χ^2/NDF: 1202.8/85

\- sign 9.779+/-1.159 χ^2/NDF: 621.3/43

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 386.203+/-2.004 χ^2/NDF: 2742.1/16

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 404.115+/-1.686 χ^2/NDF: 4619.2/20

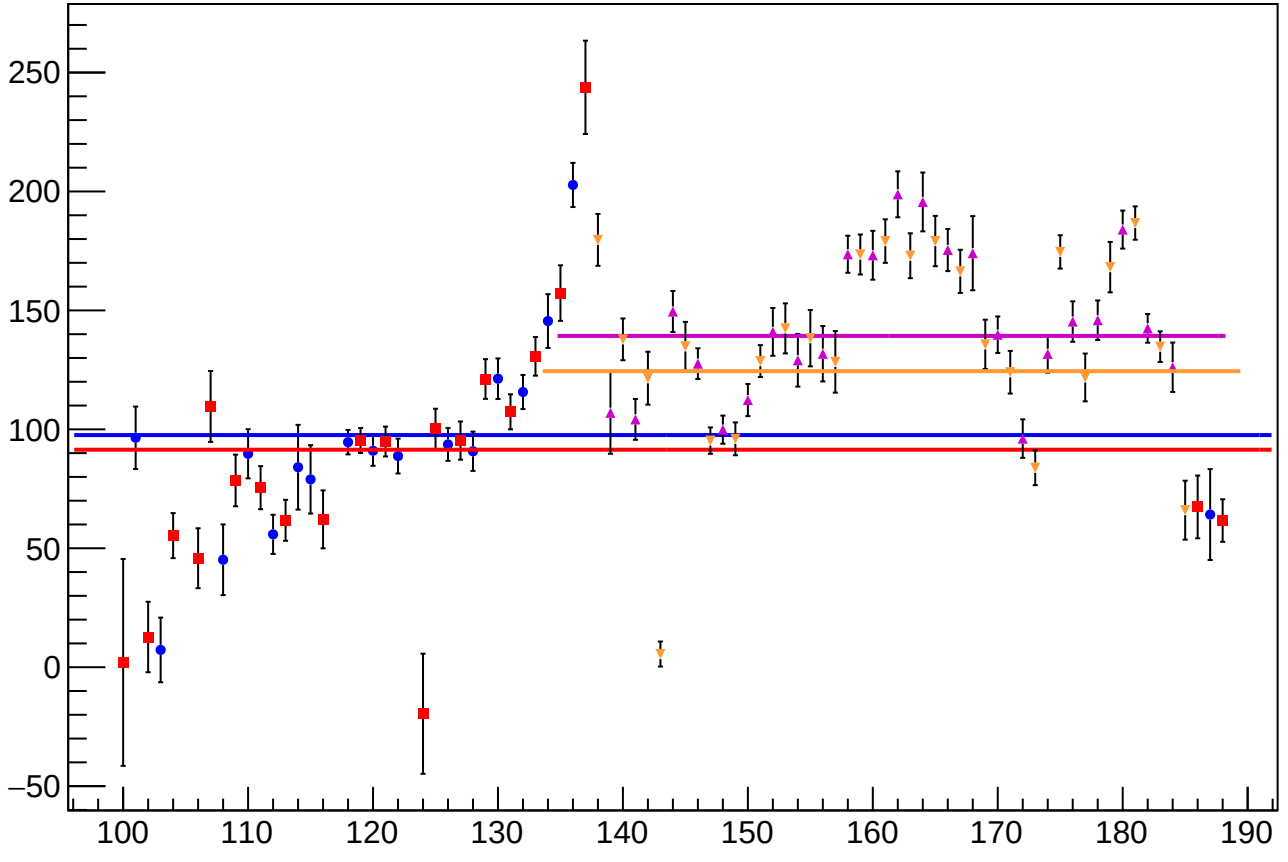
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 364.595+/-1.388 χ^2/NDF: 10243.6/41

All: 382.767+/-0.948 χ^2/NDF: 17882.7/85

- sign 398.627+/-1.297 χ^2/NDF: 7318.0/43

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 97.600+/-2.131 χ^2/NDF: 252.6/16

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 91.435+/-2.054 χ^2/NDF: 252.8/20

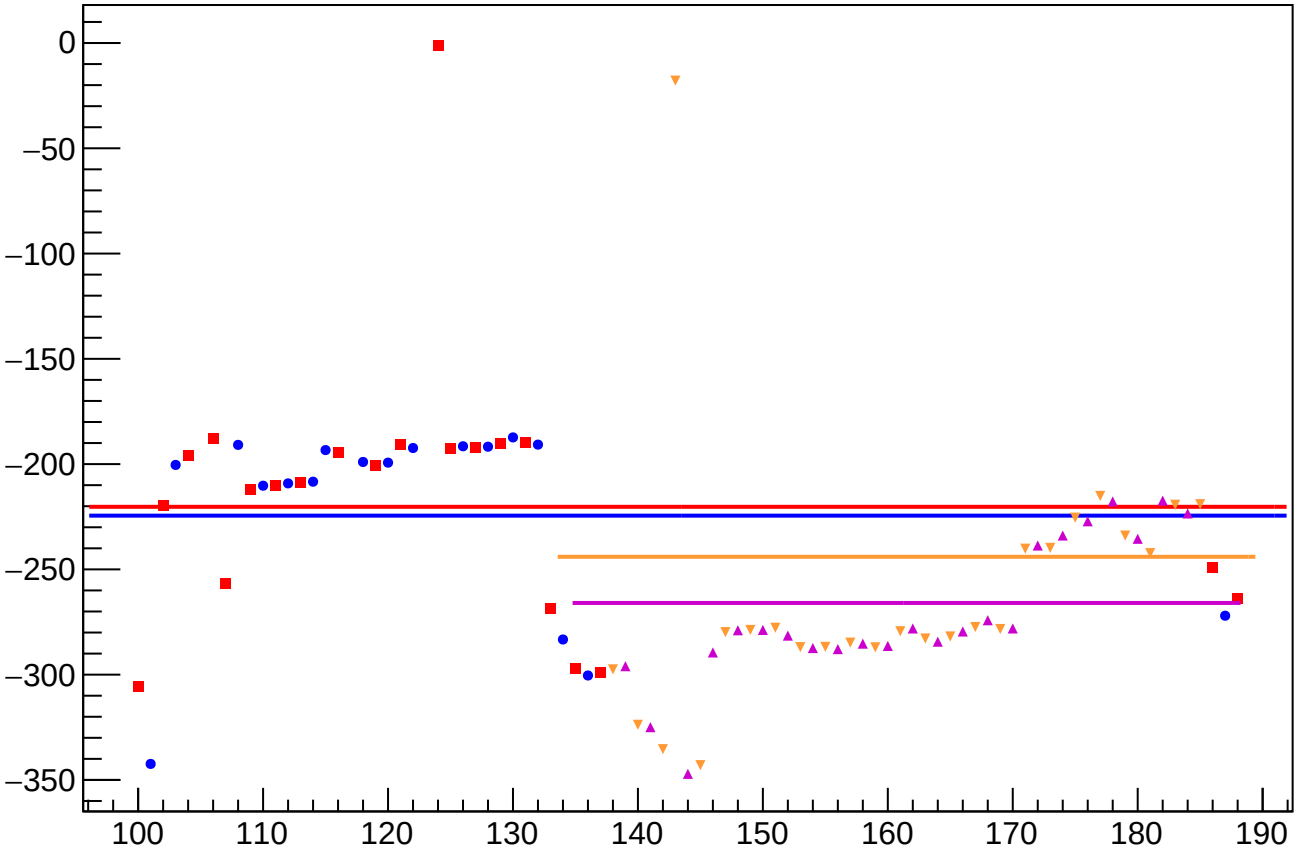
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 114.305+/-1.310 χ^2/NDF: 1289.0/41

All: 116.551+/-0.937 χ^2/NDF: 2120.0/85

- sign 118.901+/-1.341 χ^2/NDF: 825.0/43

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -224.478+/-0.137 χ^2/NDF: 123579.8/16

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -220.279+/-0.127 χ^2/NDF: 93011.3/20

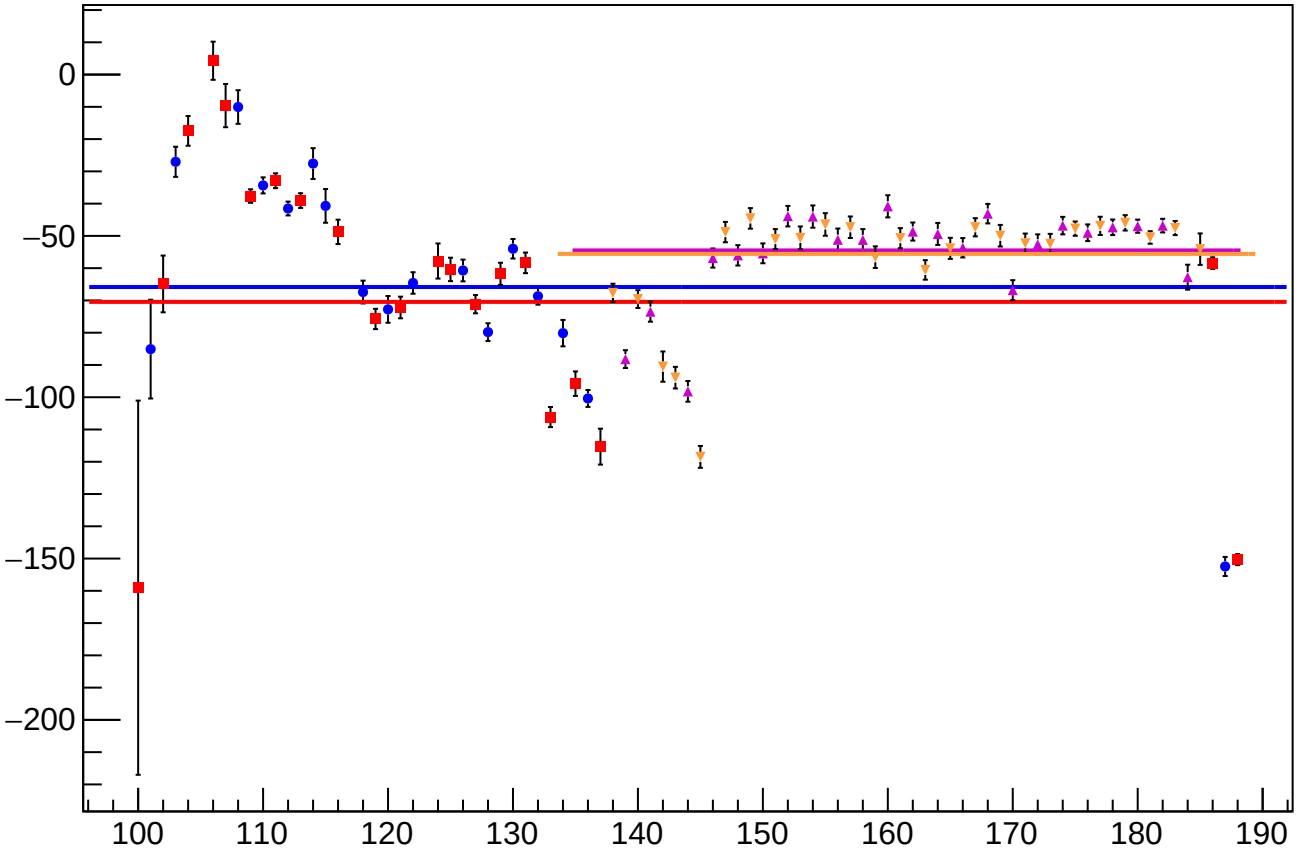
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -239.305+/-0.067 χ^2/NDF: 1136950.9/41

All: -246.045+/-0.048 χ^2/NDF: 1511866.8/85

- sign -252.929+/-0.068 χ^2/NDF: 354675.8/43

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -65.843+/-0.798 χ^2/NDF: 1653.0/16

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.448+/-0.666 χ^2/NDF: 3617.9/20

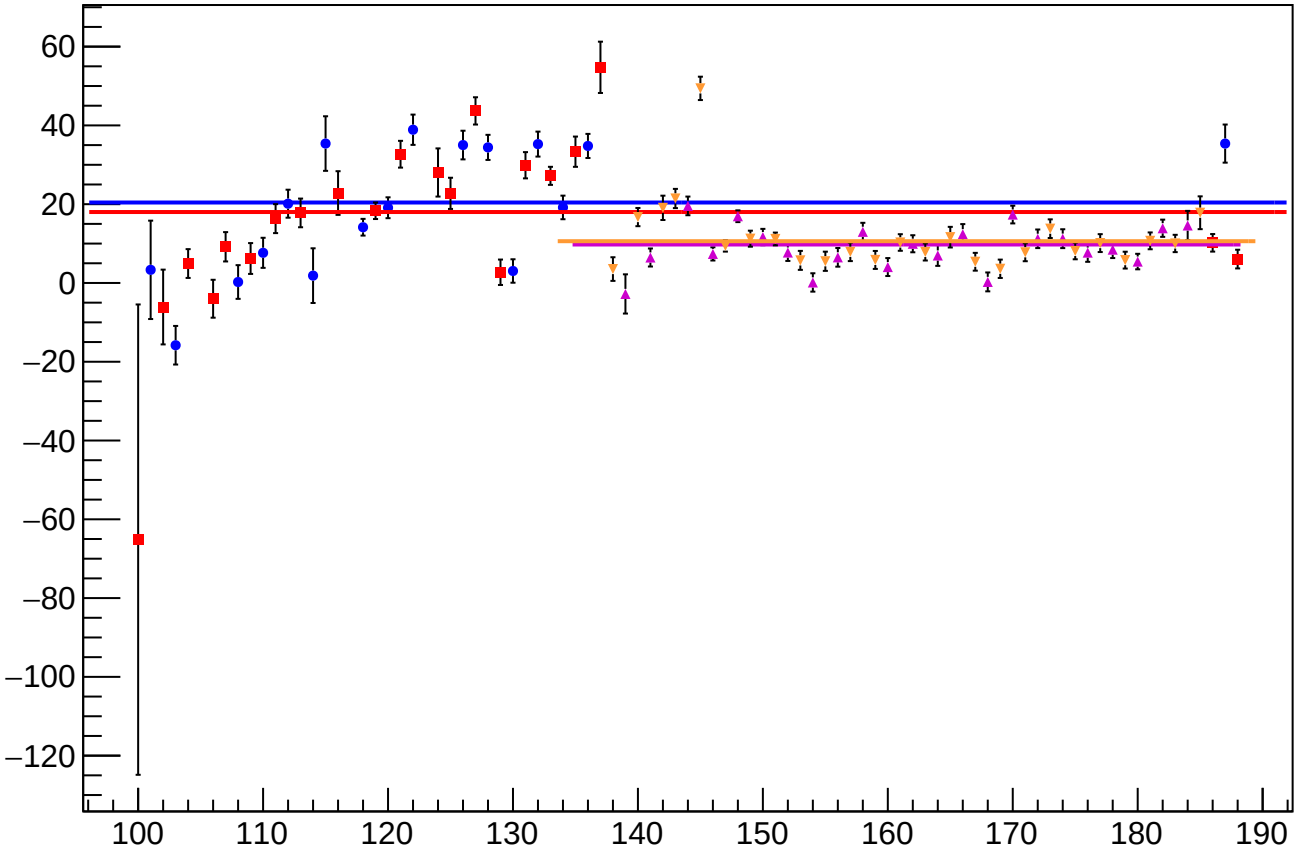
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

+ sign -59.202+/-0.475 χ^2/NDF: 2446.4/41

All: -60.534+/-0.326 χ^2/NDF: 6893.2/85

- sign -61.724+/-0.448 χ^2/NDF: 4431.8/43

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 20.426+/-0.854 χ^2/NDF: 257.0/16

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 18.010+/-0.749 χ^2/NDF: 272.2/20

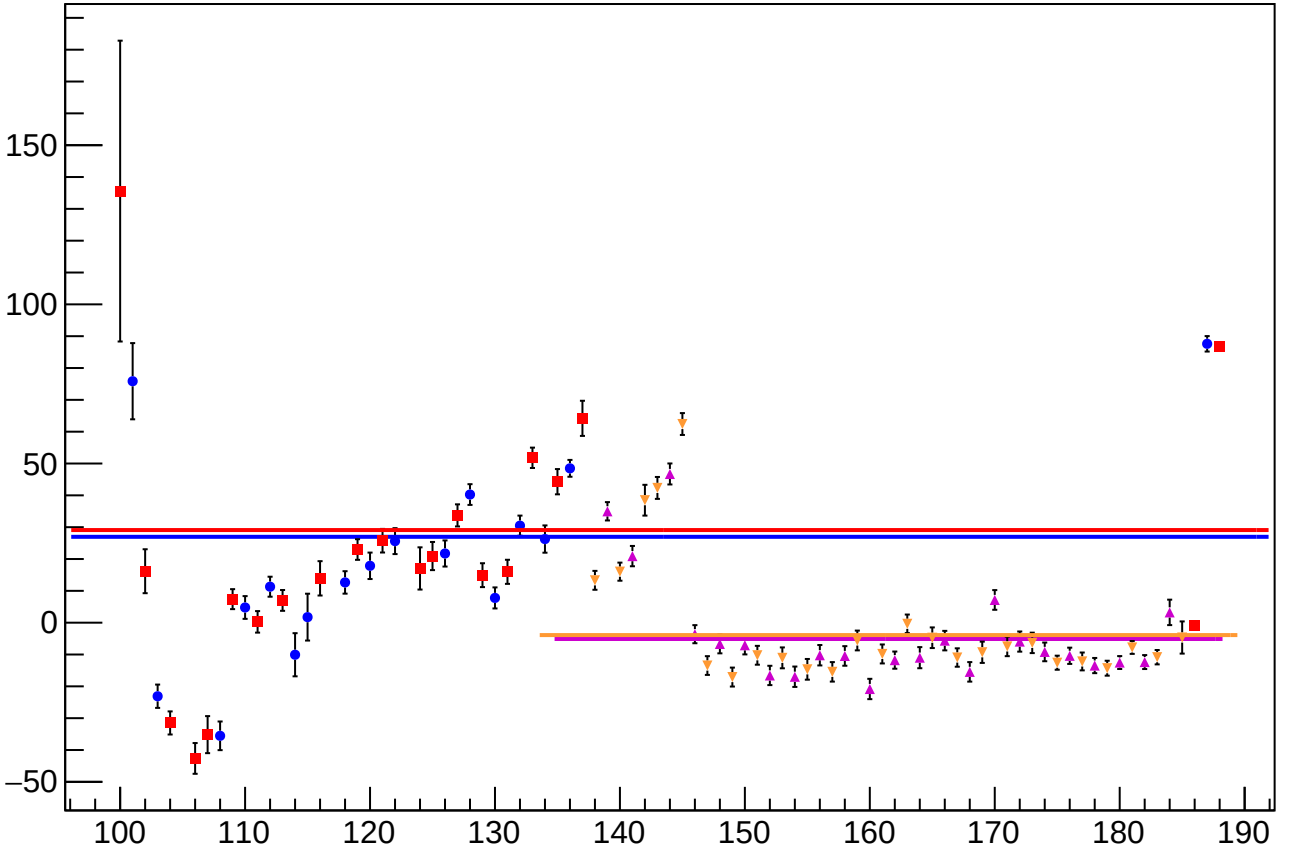
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.734+/-0.398 χ^2/NDF: 615.9/41

All: 12.403+/-0.281 χ^2/NDF: 1097.7/85

- sign 12.073+/-0.396 χ^2/NDF: 480.5/43

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 26.974+/-0.890 χ^2/NDF: 1265.5/16

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 29.097+/-0.681 χ^2/NDF: 3129.9/20

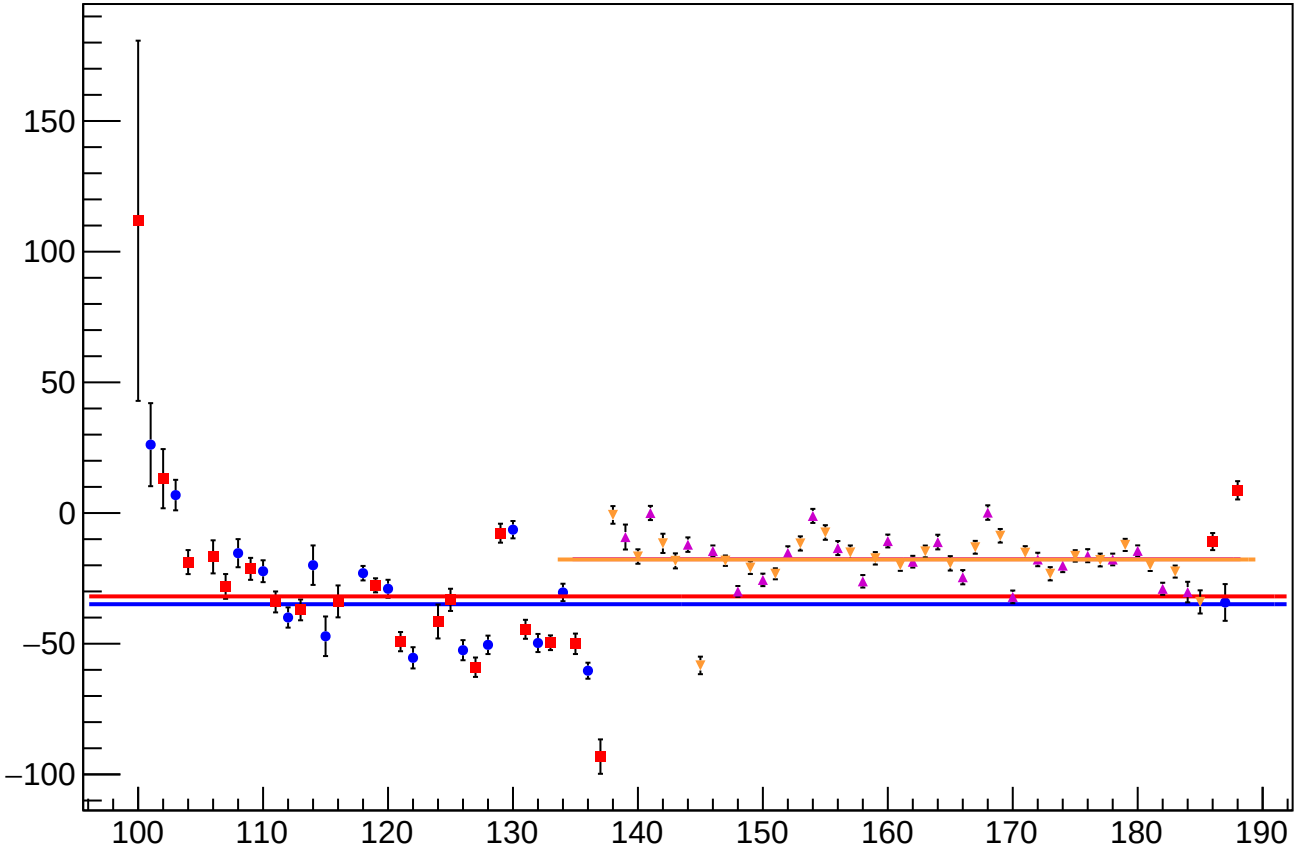
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

\+ sign 5.419+/-0.489 χ^2/NDF: 2955.6/41

All: 7.797+/-0.331 χ^2/NDF: 8200.7/85

\- sign 9.812+/-0.450 χ^2/NDF: 5201.4/43

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.886+/-0.981 χ^2/NDF: 346.6/16

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -31.894+/-0.898 χ^2/NDF: 503.2/20

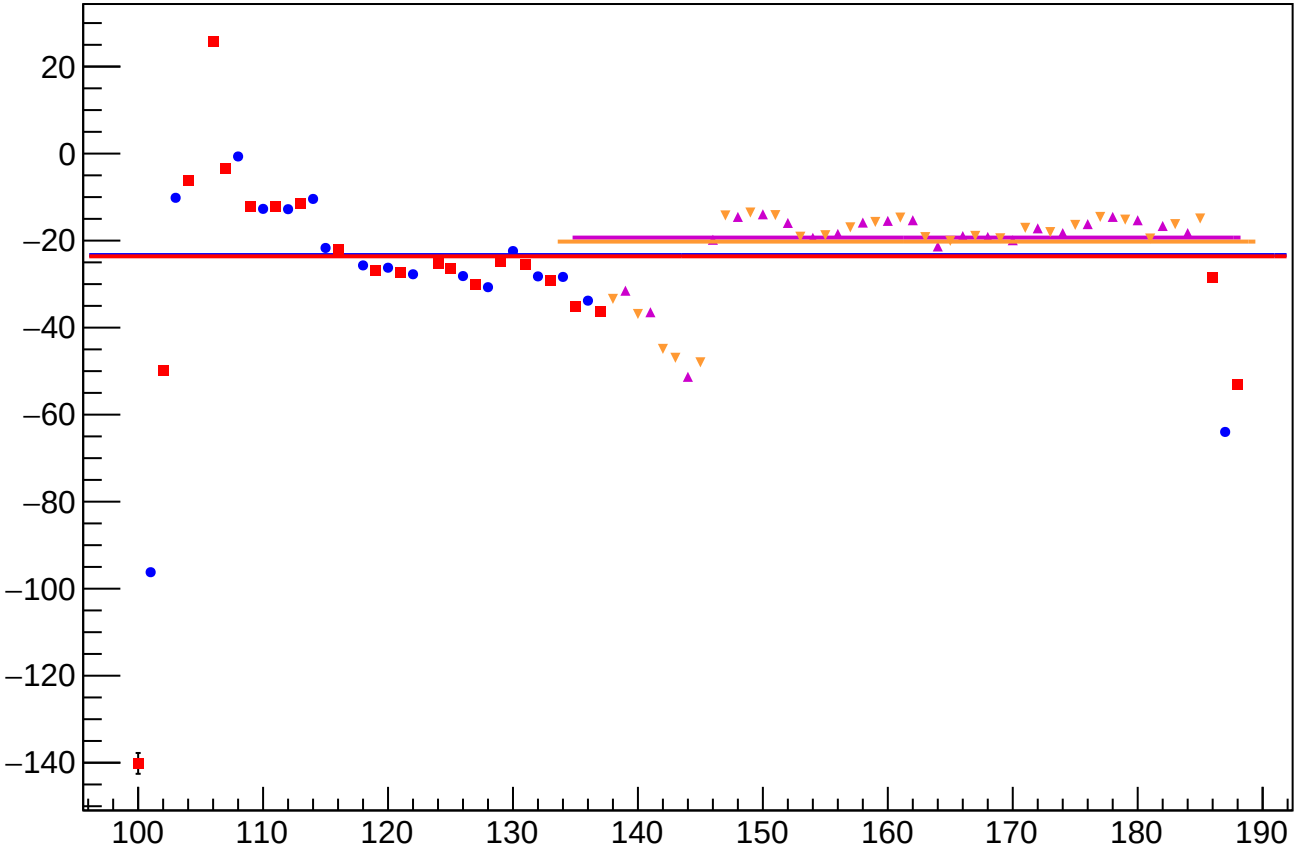
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -21.405+/-0.452 χ^2/NDF: 838.1/41

All: -21.343+/-0.320 χ^2/NDF: 1814.7/85

- sign -21.281+/-0.454 χ^2/NDF: 976.6/43

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -23.322+/-0.058 χ^2/NDF: 57882.1/16

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -23.611+/-0.054 χ^2/NDF: 119561.6/20

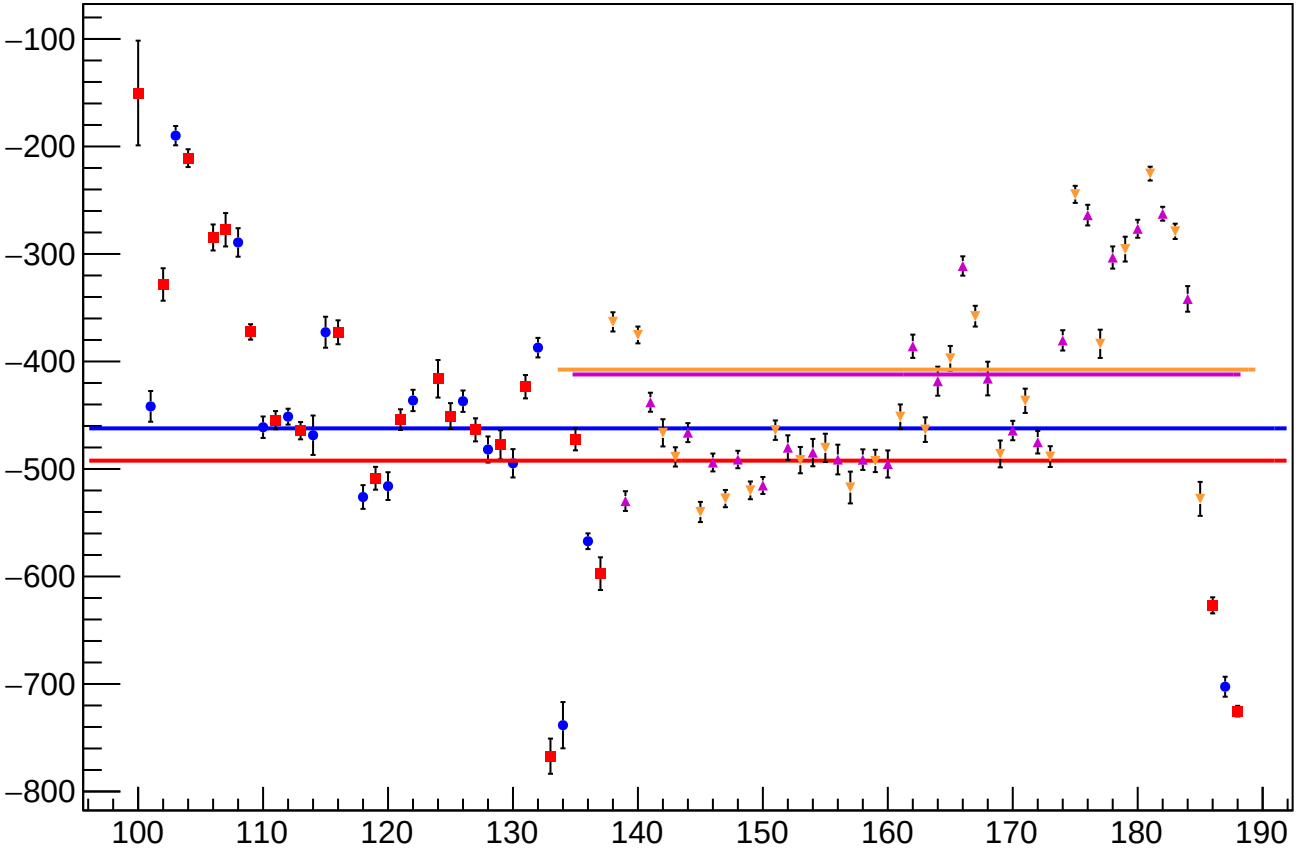
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -20.647+/-0.021 χ^2/NDF: 207727.5/41

All: -20.313+/-0.015 χ^2/NDF: 426150.4/85

- sign -19.973+/-0.021 χ^2/NDF: 217922.6/43

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -462.225+/-2.576 χ^2/NDF: 2314.8/16

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -492.254+/-2.152 χ^2/NDF: 5208.8/20

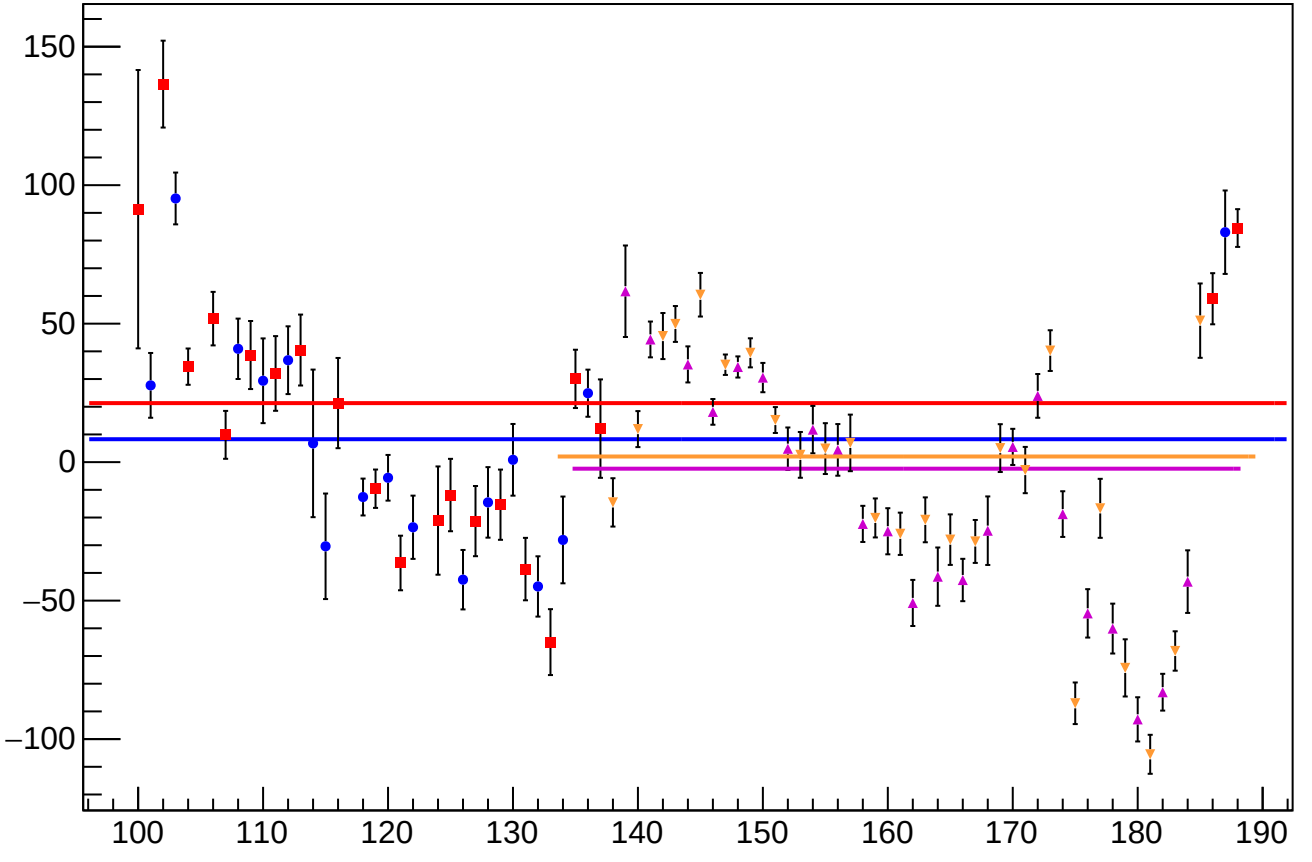
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -427.479+/-1.555 χ^2/NDF: 5473.5/41

All: -439.077+/-1.068 χ^2/NDF: 13711.2/85

- sign -449.413+/-1.468 χ^2/NDF: 8132.5/43

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 8.276+/-2.684 χ^2/NDF: 213.6/16

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 21.309+/-2.317 χ^2/NDF: 346.0/20

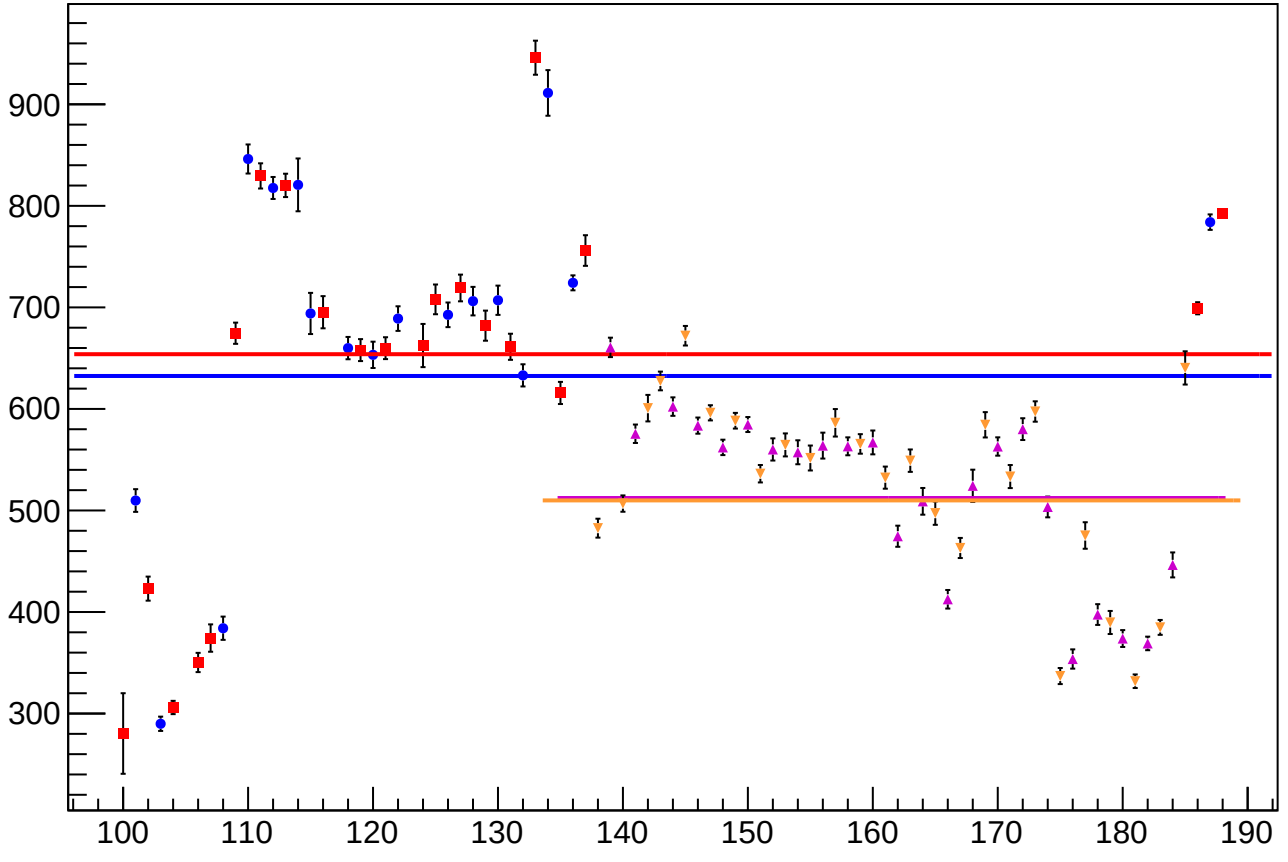
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 3.408+/-1.259 χ^2/NDF: 1128.5/41

All: 3.964+/-0.887 χ^2/NDF: 2282.3/85

- sign 4.511+/-1.249 χ^2/NDF: 1153.4/43

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 632.454+/-2.704 χ^2/NDF: 4343.9/16

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 653.905+/-2.116 χ^2/NDF: 6860.1/20

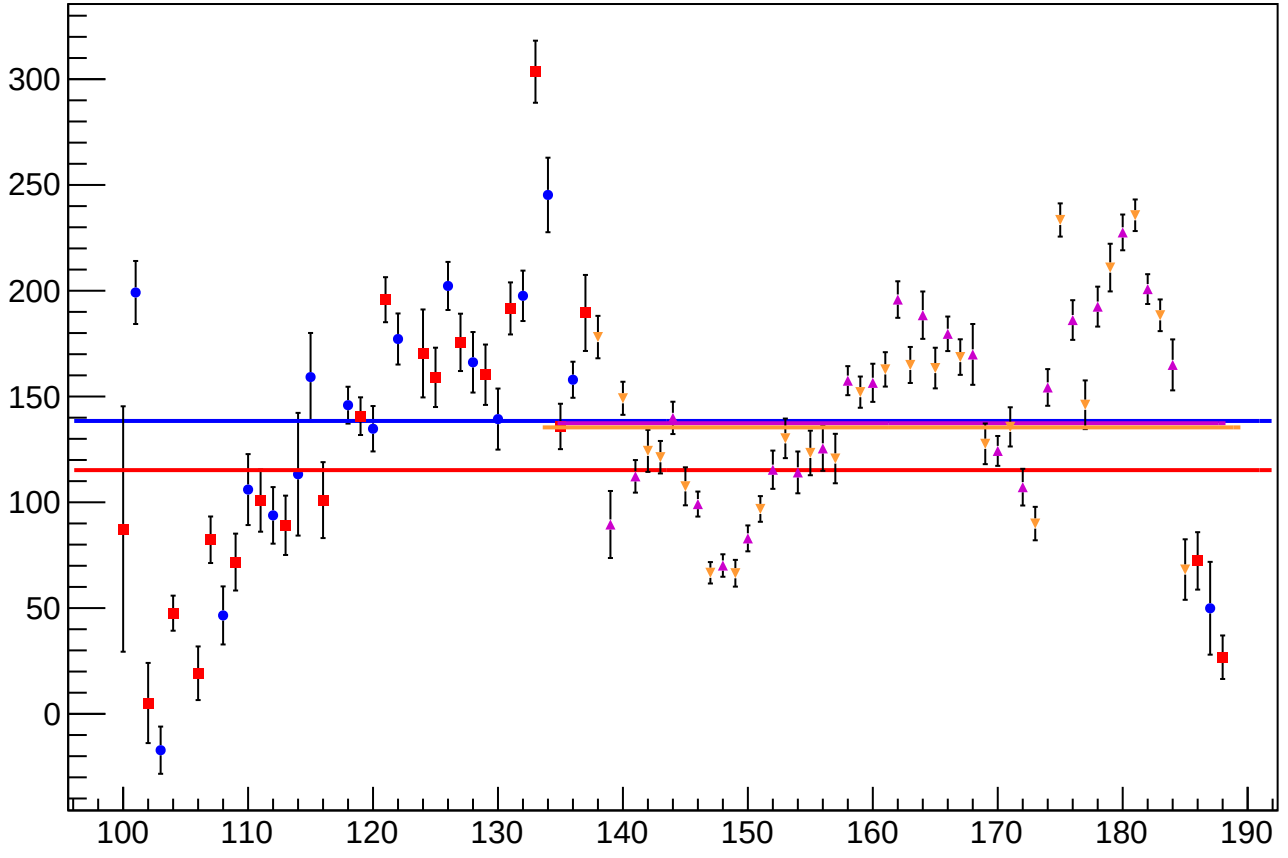
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 551.423+/-1.574 χ^2/NDF: 8364.2/41

All: 566.117+/-1.065 χ^2/NDF: 19857.6/85

- sign 578.538+/-1.447 χ^2/NDF: 11332.6/43

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 138.450+/-3.119 χ^2/NDF: 402.0/16

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 115.210+/-2.799 χ^2/NDF: 602.6/20

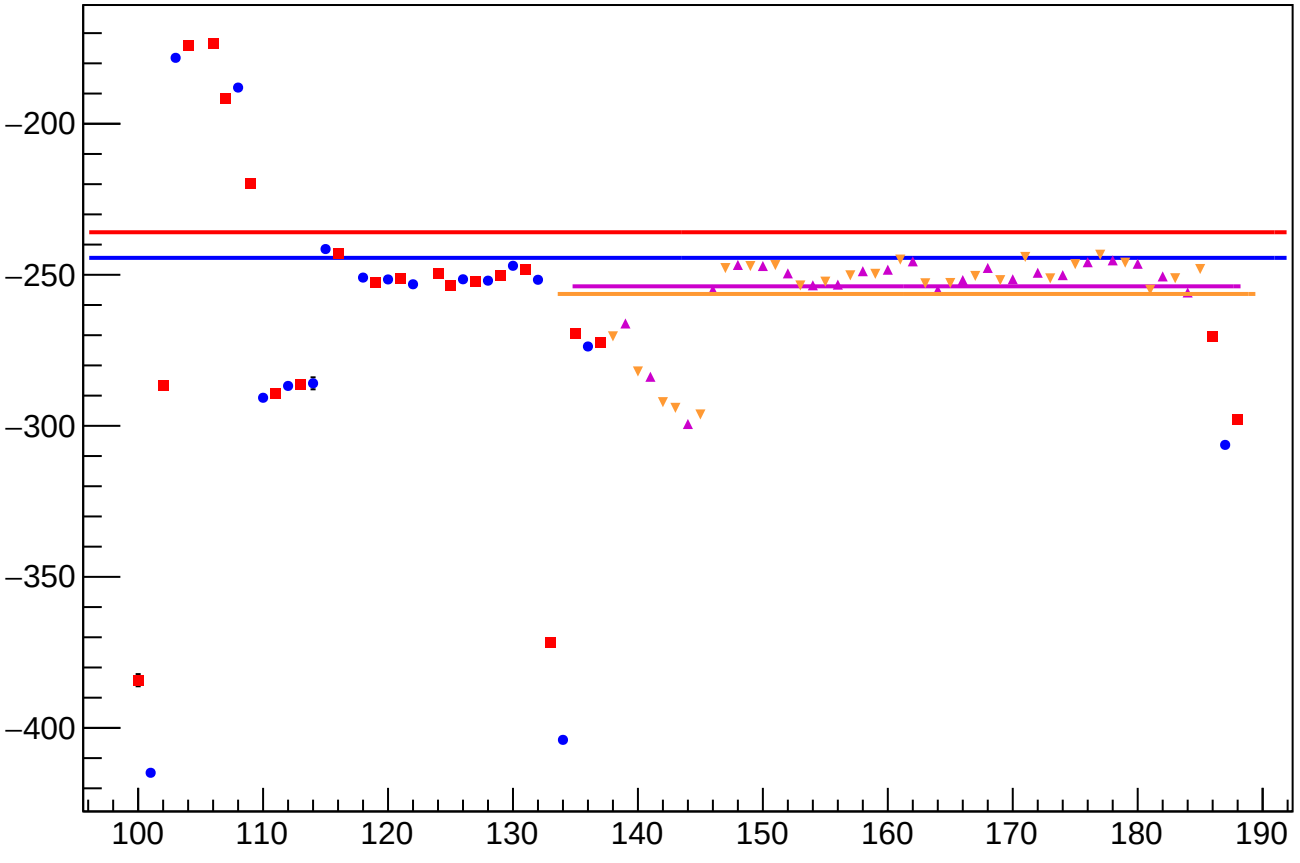
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 136.072+/-1.458 χ^2/NDF: 1325.9/41

All: 133.726+/-1.030 χ^2/NDF: 2685.4/85

- sign 131.392+/-1.454 χ^2/NDF: 1354.4/43

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -244.395+/-0.161 χ^2/NDF: 176080.4/16

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -235.917+/-0.150 χ^2/NDF: 117386.9/20

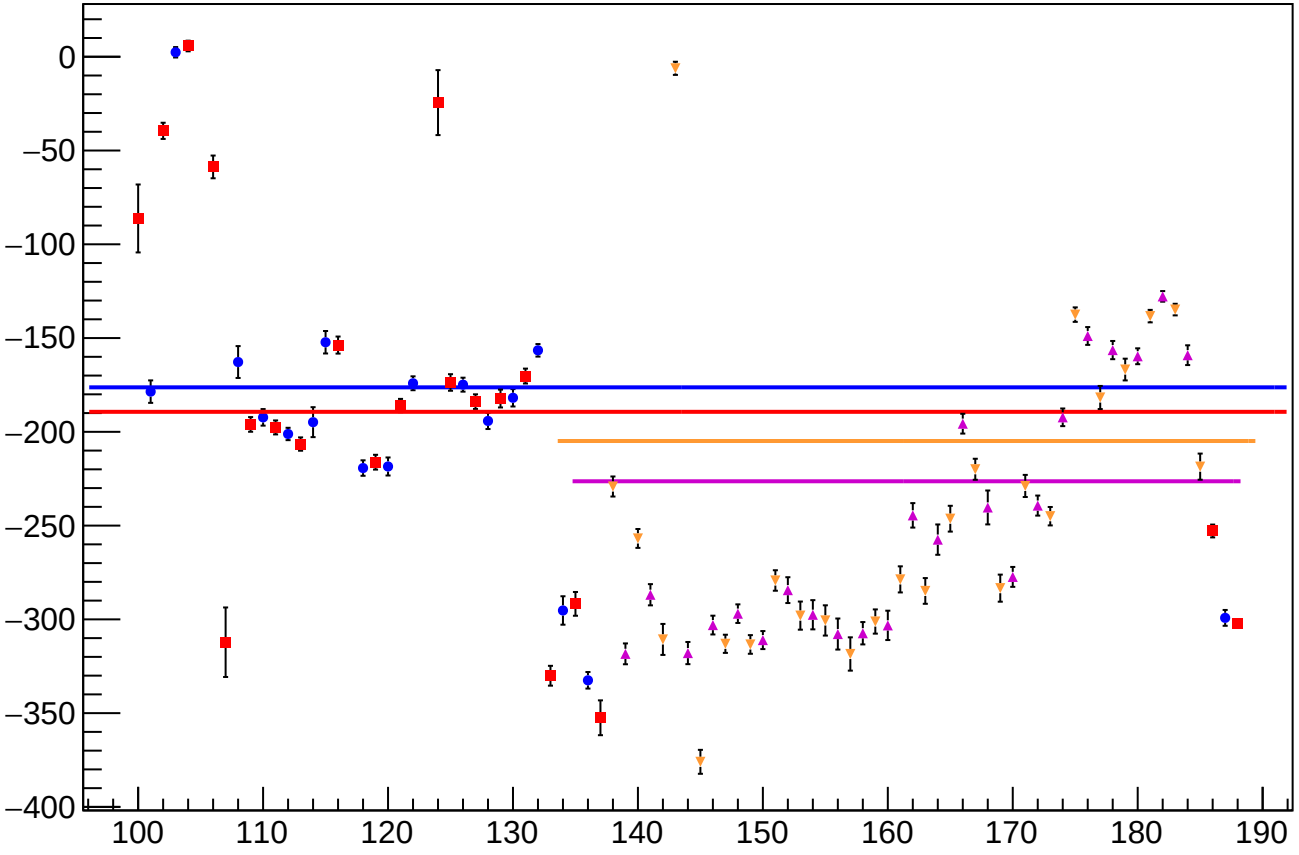
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -254.122+/-0.069 χ^2/NDF: 220072.0/41

All: -252.053+/-0.049 χ^2/NDF: 374554.3/85

- sign -250.008+/-0.069 χ^2/NDF: 152718.9/43

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -176.274+/-1.042 χ^2/NDF: 6810.7/16

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -189.330+/-0.913 χ^2/NDF: 10828.8/20

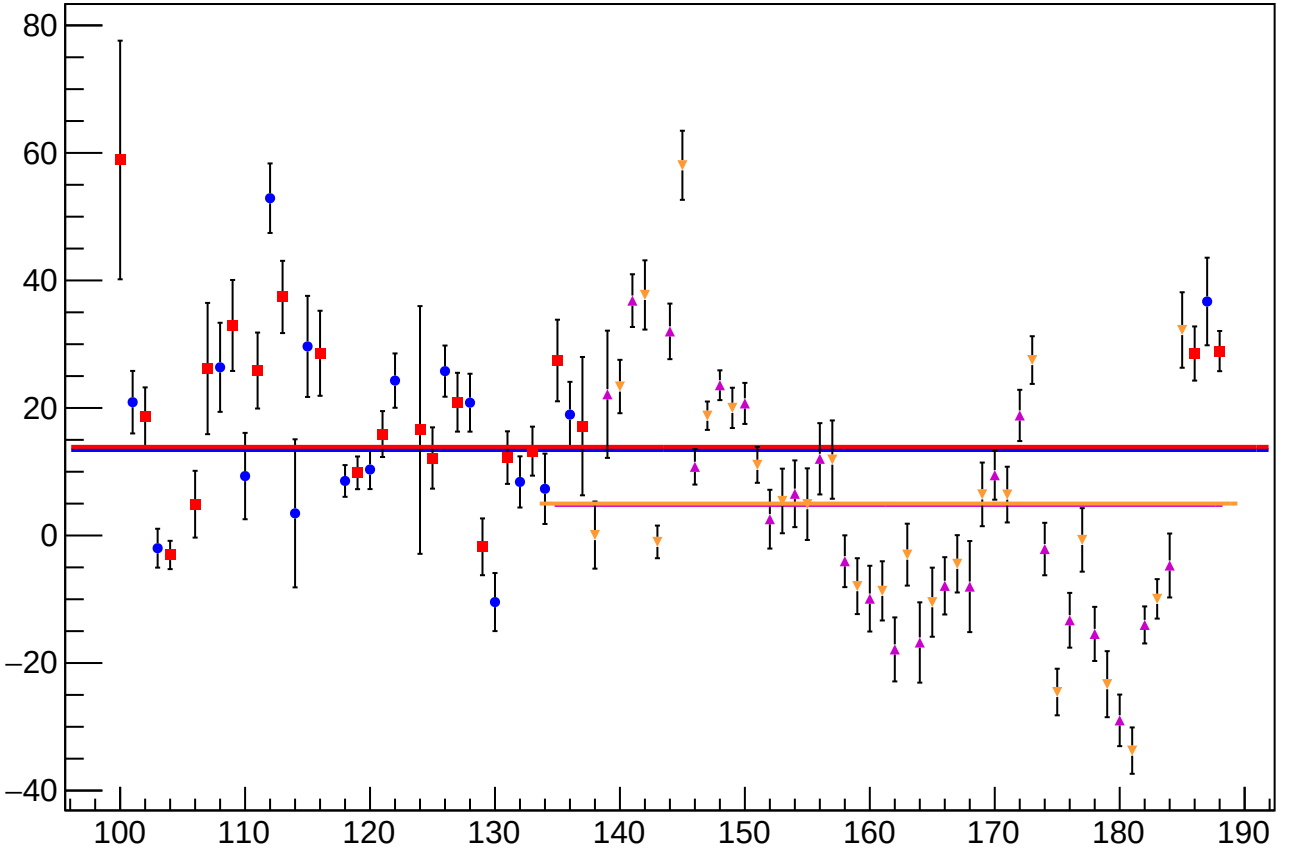
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -190.453+/-0.740 χ^2/NDF: 15010.3/41

All: -197.755+/-0.510 χ^2/NDF: 30911.0/85

- sign -204.350+/-0.704 χ^2/NDF: 15715.6/43

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 13.414+/-1.063 χ^2/NDF: 155.5/16

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 13.903+/-0.958 χ^2/NDF: 159.9/20

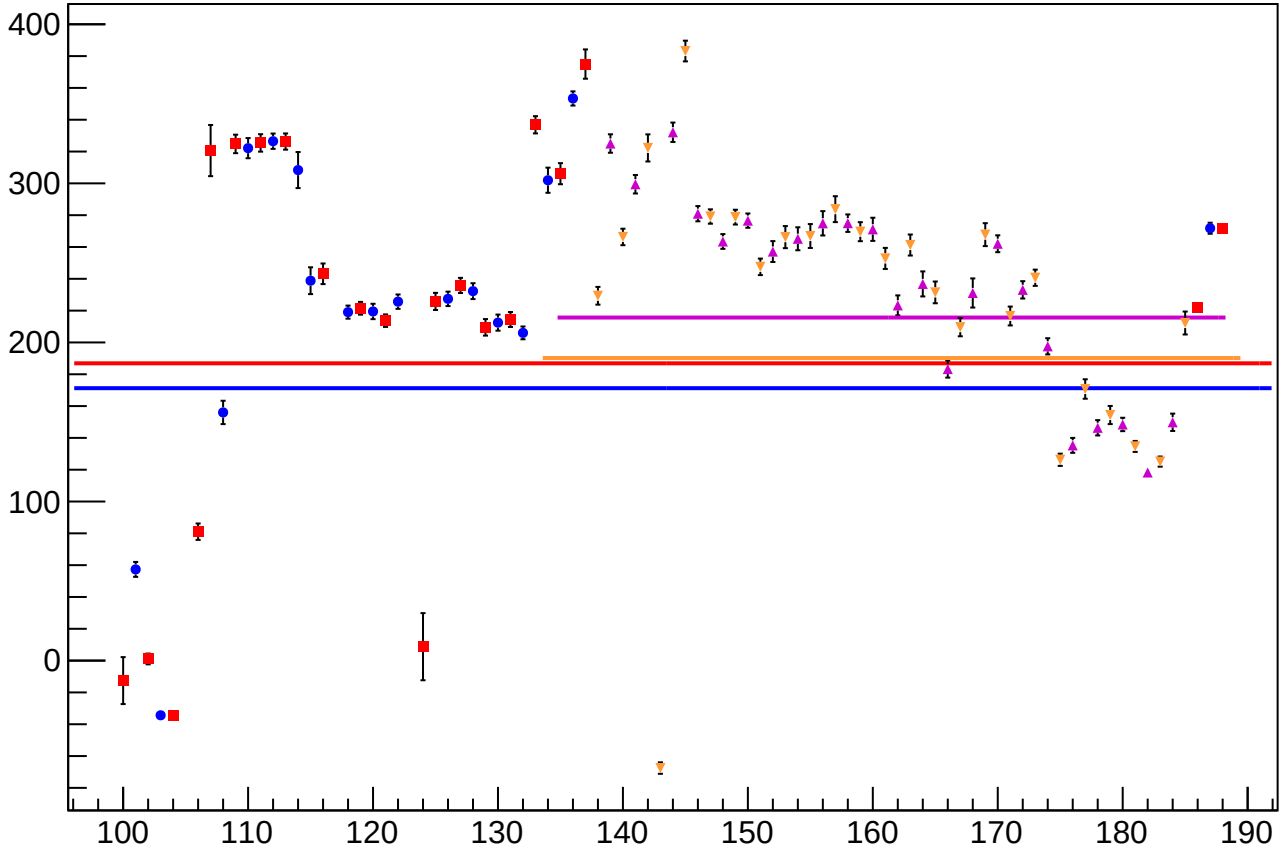
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

\+ sign 8.012+/-0.636 χ^2/NDF: 744.1/41

All: 8.401+/-0.449 χ^2/NDF: 1381.8/85

\- sign 8.788+/-0.634 χ^2/NDF: 636.9/43

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 171.250+/-1.082 χ^2/NDF: 14880.8/16

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 186.884+/-0.894 χ^2/NDF: 19694.1/20

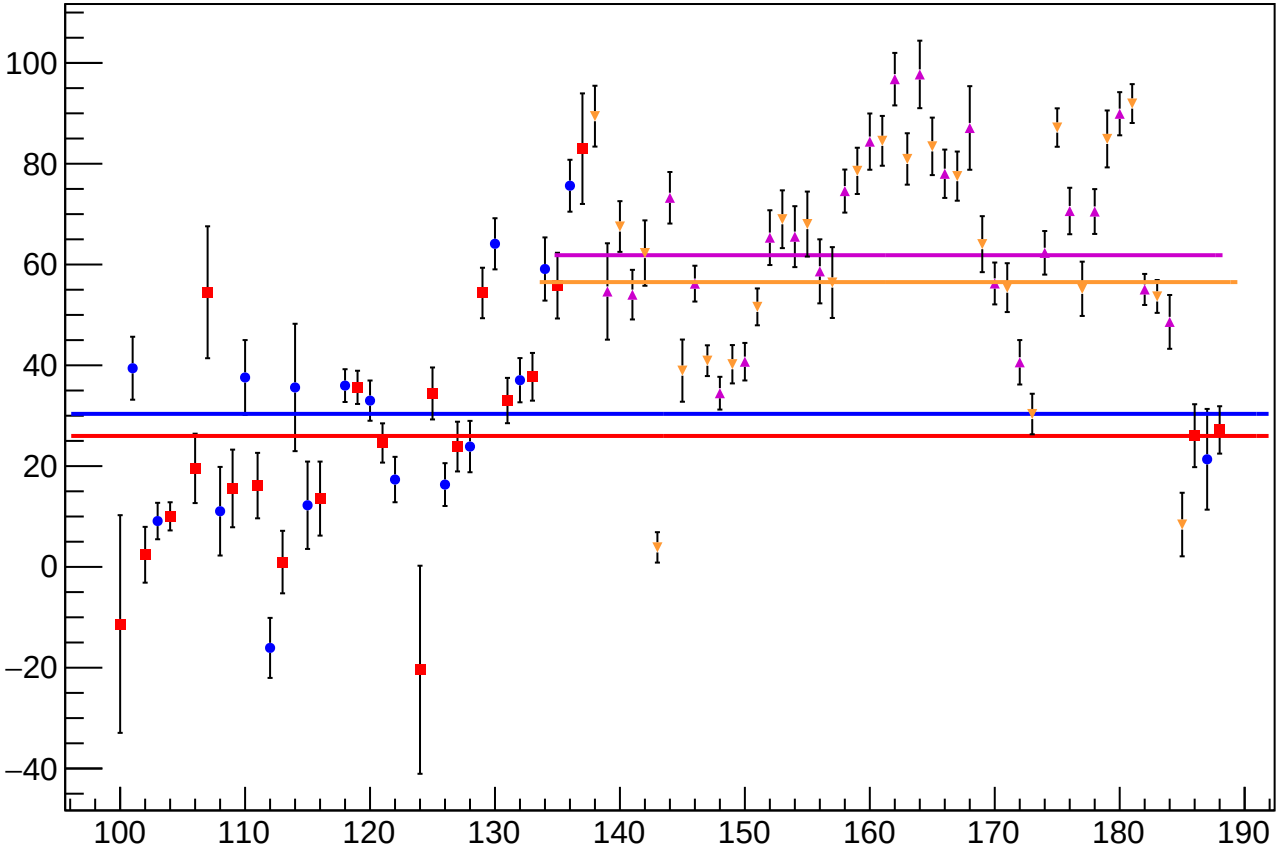
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 181.021+/-0.754 χ^2/NDF: 24423.0/41

All: 190.404+/-0.510 χ^2/NDF: 48702.0/85

- sign 198.349+/-0.693 χ^2/NDF: 23992.7/43

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.368+/-1.245 χ^2/NDF: 277.8/16

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 25.985+/-1.154 χ^2/NDF: 187.8/20

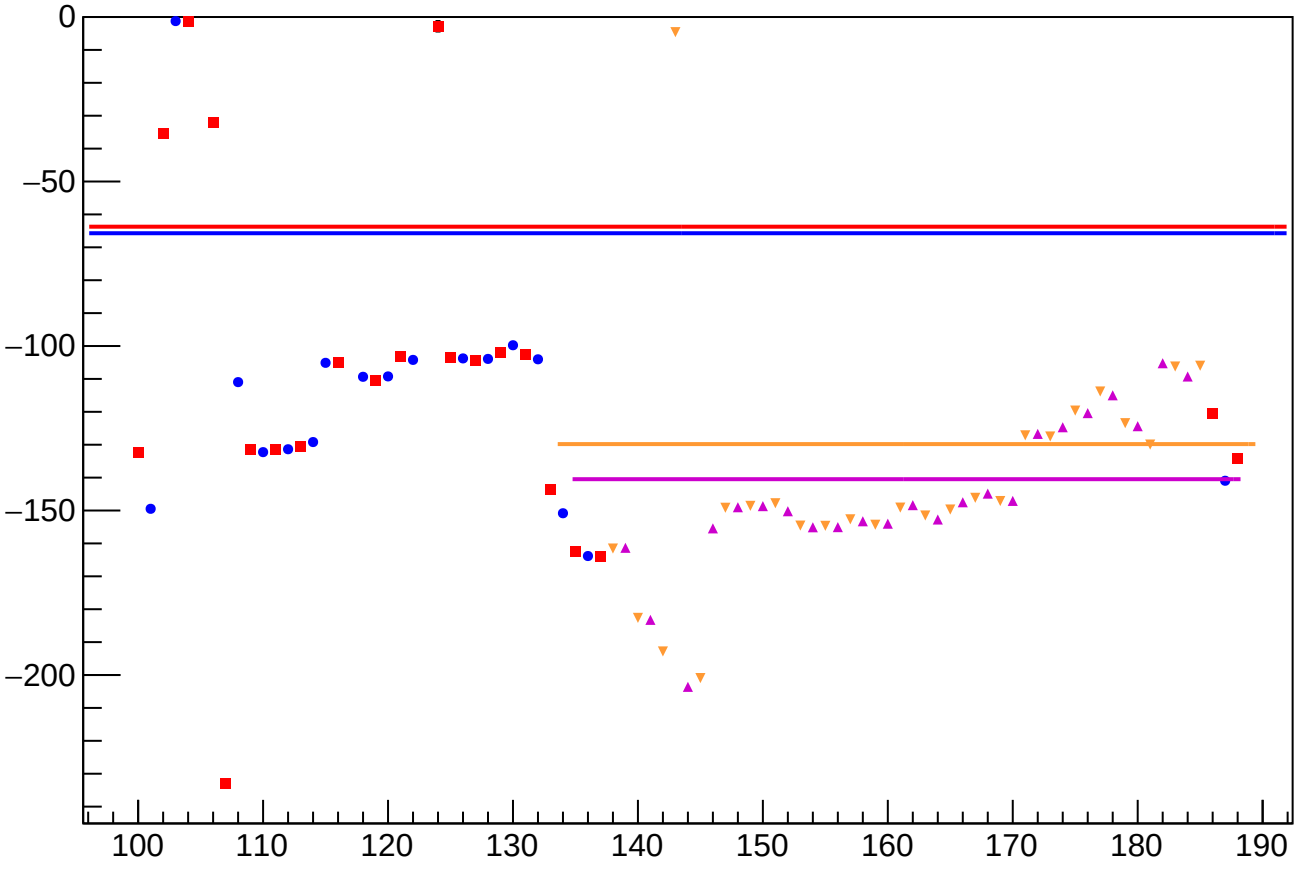
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 47.420+/-0.734 χ^2/NDF: 1364.4/41

All: 47.291+/-0.521 χ^2/NDF: 2443.0/85

- sign 47.161+/-0.739 χ^2/NDF: 1078.5/43

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -65.720+/-0.063 χ^2/NDF: 1063050.1/16

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -63.730+/-0.060 χ^2/NDF: 988024.5/20

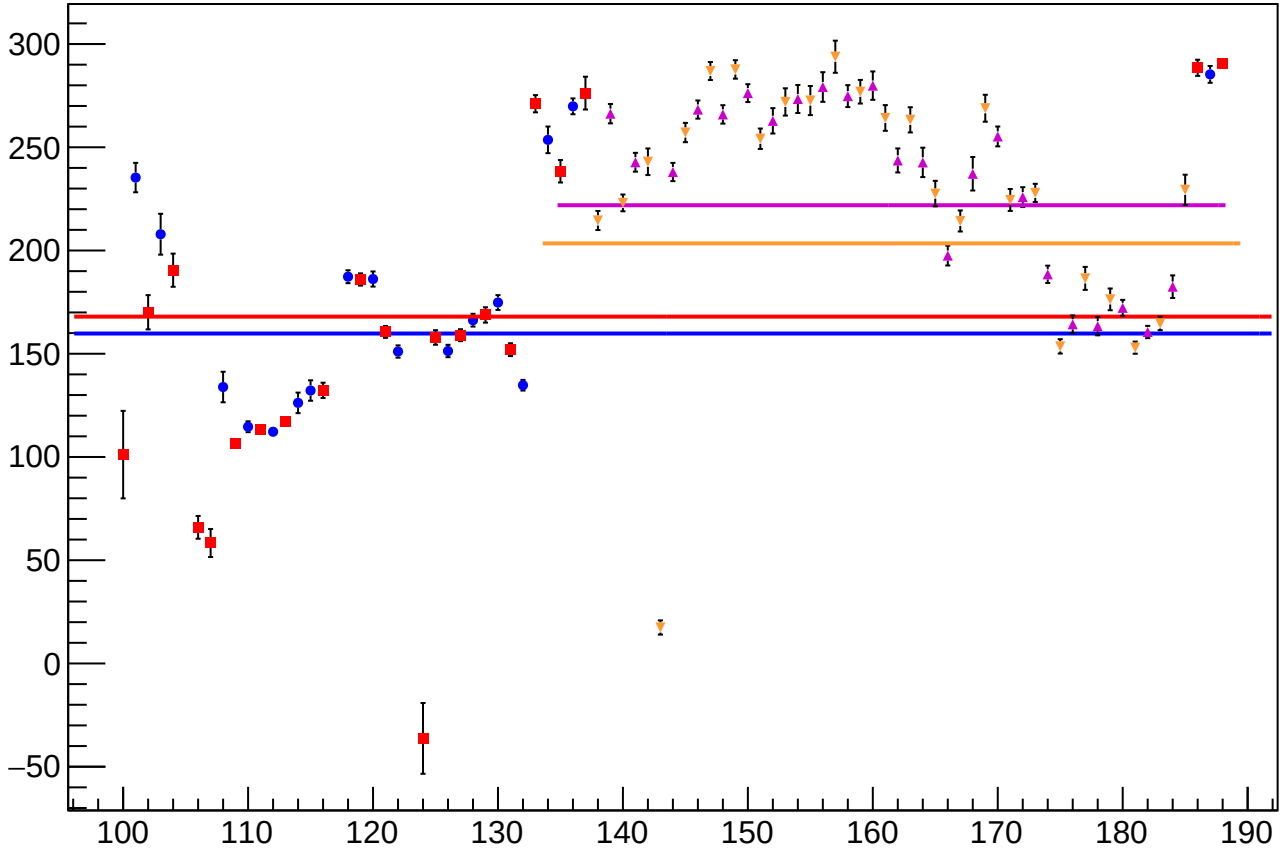
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -110.145+/-0.035 χ^2/NDF: 2797114.8/41

All: -111.903+/-0.025 χ^2/NDF: 5123645.1/85

- sign -113.672+/-0.035 χ^2/NDF: 2321499.3/43

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 159.794+/-0.850 χ^2/NDF: 3270.9/16

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 167.980+/-0.758 χ^2/NDF: 7828.5/20

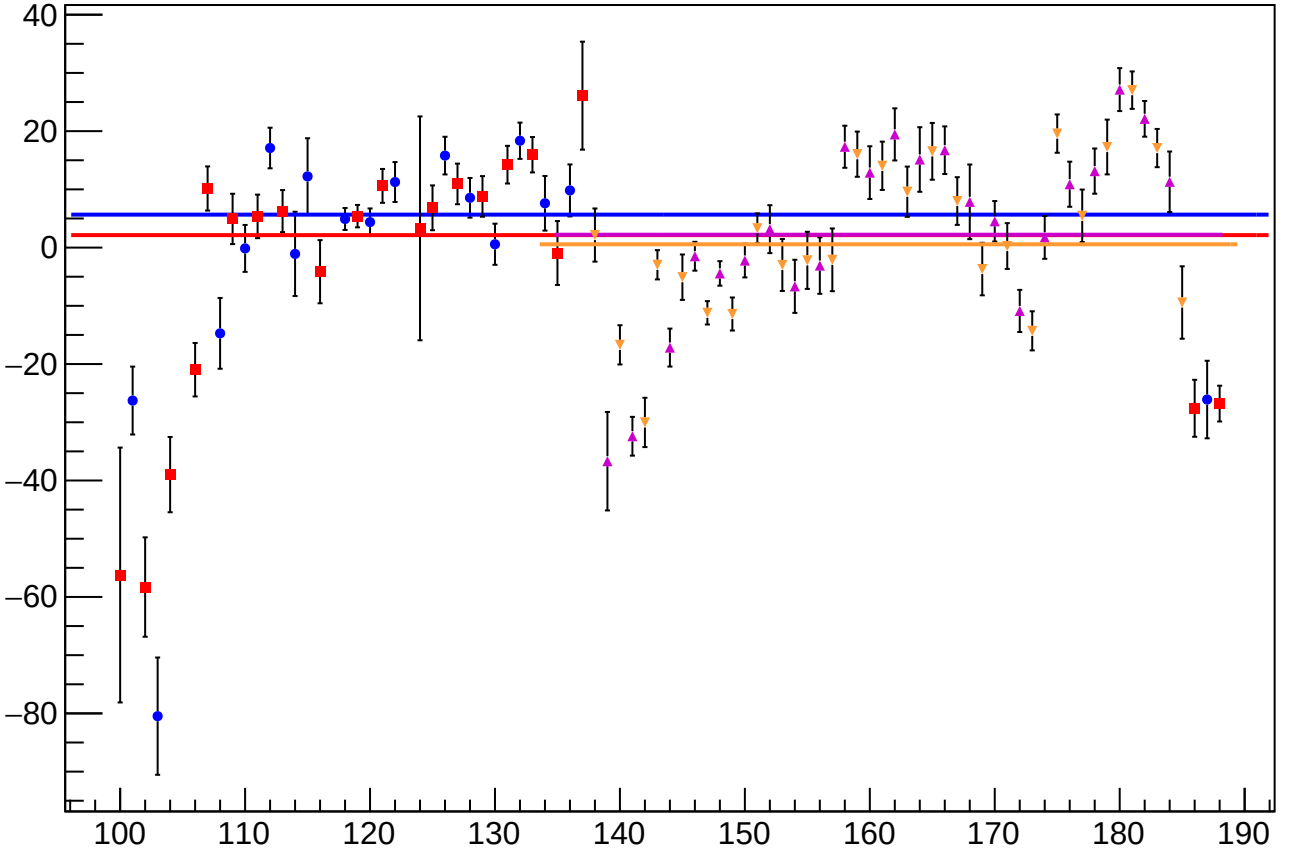
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

\+ sign 179.139+/-0.634 χ^2/NDF: 9931.3/41

All: 183.568+/-0.438 χ^2/NDF: 21680.6/85

\- sign 187.593+/-0.605 χ^2/NDF: 11656.3/43

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 5.662+/-0.882 χ^2/NDF: 185.2/16

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: 2.142+/-0.842 χ^2/NDF: 321.4/20

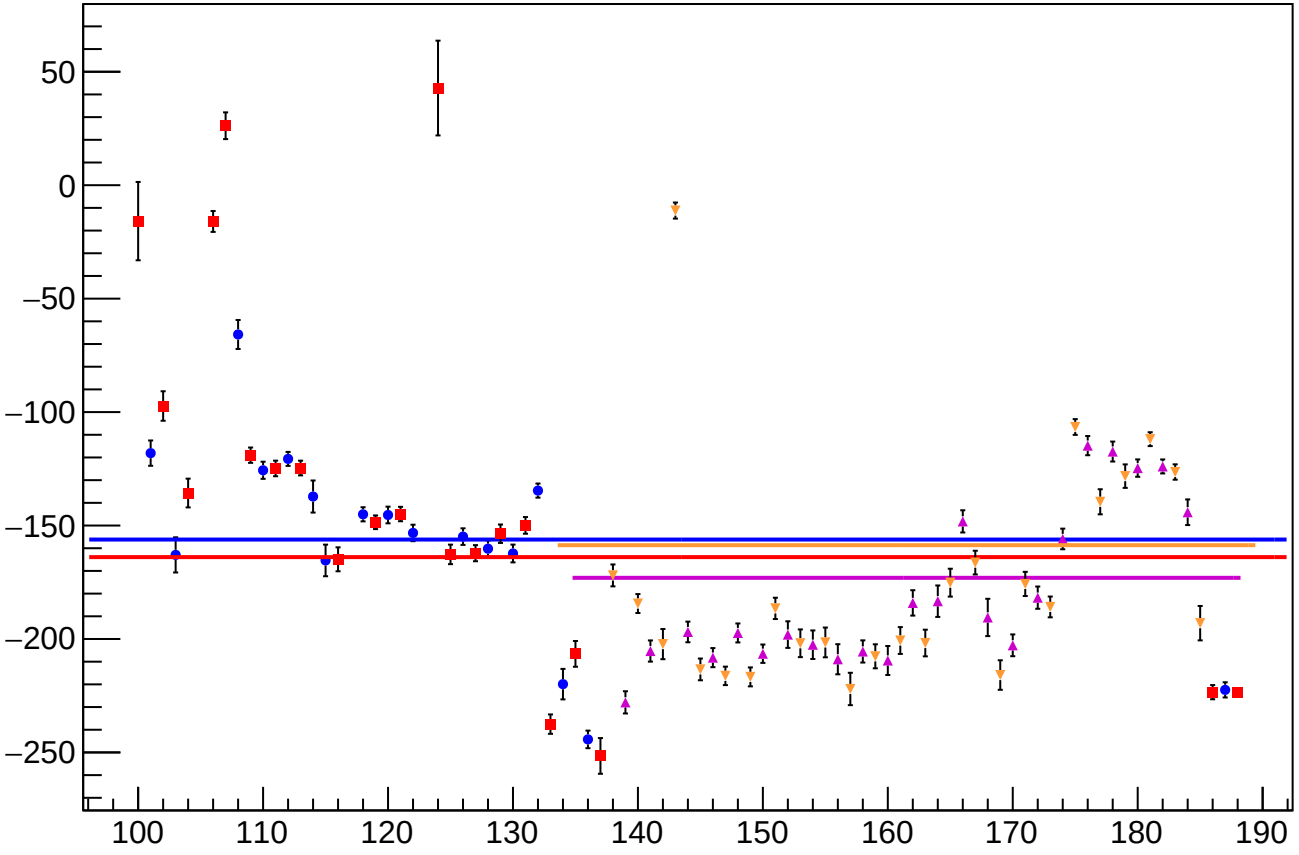
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 2.589+/-0.556 χ^2/NDF: 550.8/41

All: 2.387+/-0.396 χ^2/NDF: 1230.6/85

- sign 2.179+/-0.564 χ^2/NDF: 679.5/43

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -156.174+/-0.981 χ^2/NDF: 1526.8/16

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -163.918+/-0.834 χ^2/NDF: 4896.2/20

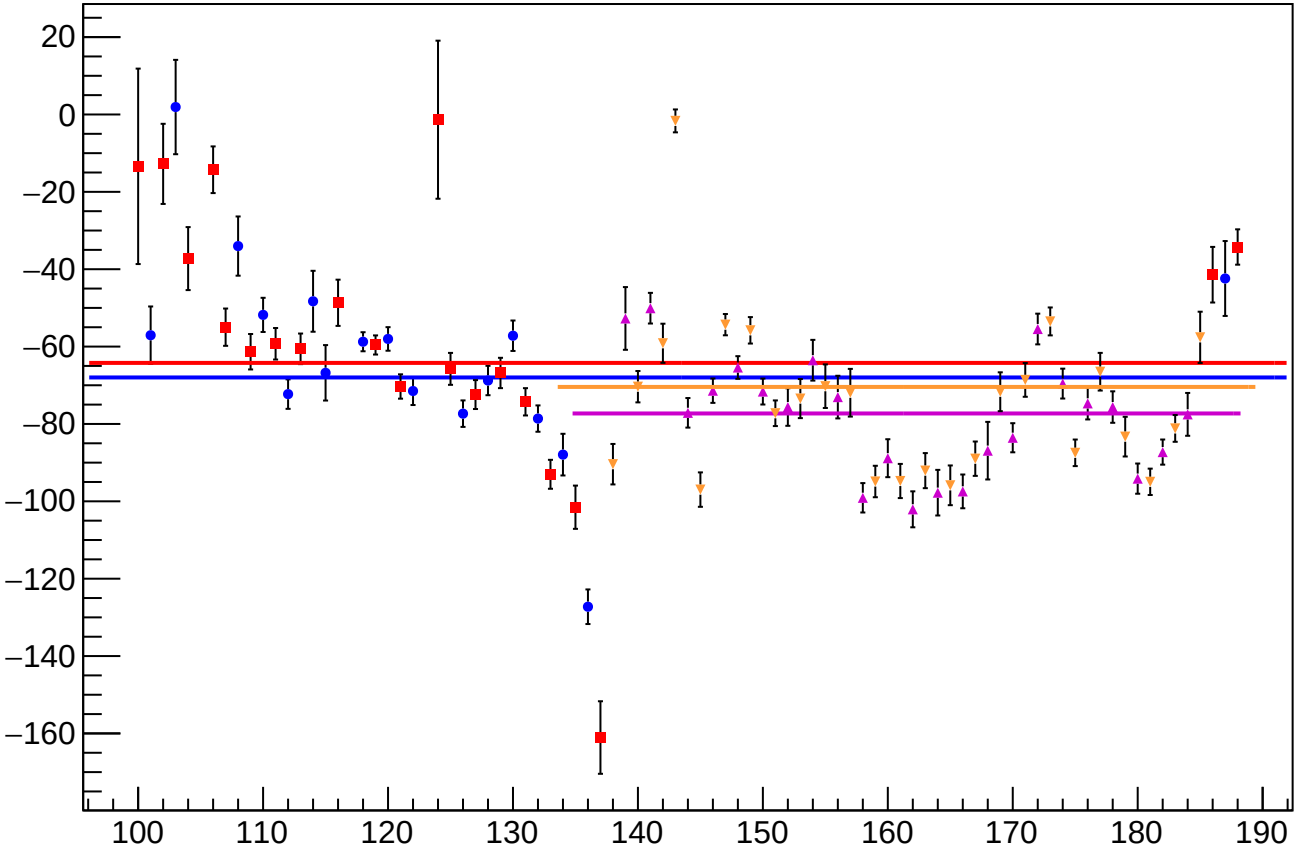
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -157.454+/-0.683 χ^2/NDF: 5021.8/41

All: -162.902+/-0.467 χ^2/NDF: 11486.9/85

- sign -167.681+/-0.639 χ^2/NDF: 6345.5/43

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -67.980+/-1.027 χ^2/NDF: 322.5/16

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -64.218+/-0.990 χ^2/NDF: 415.1/20

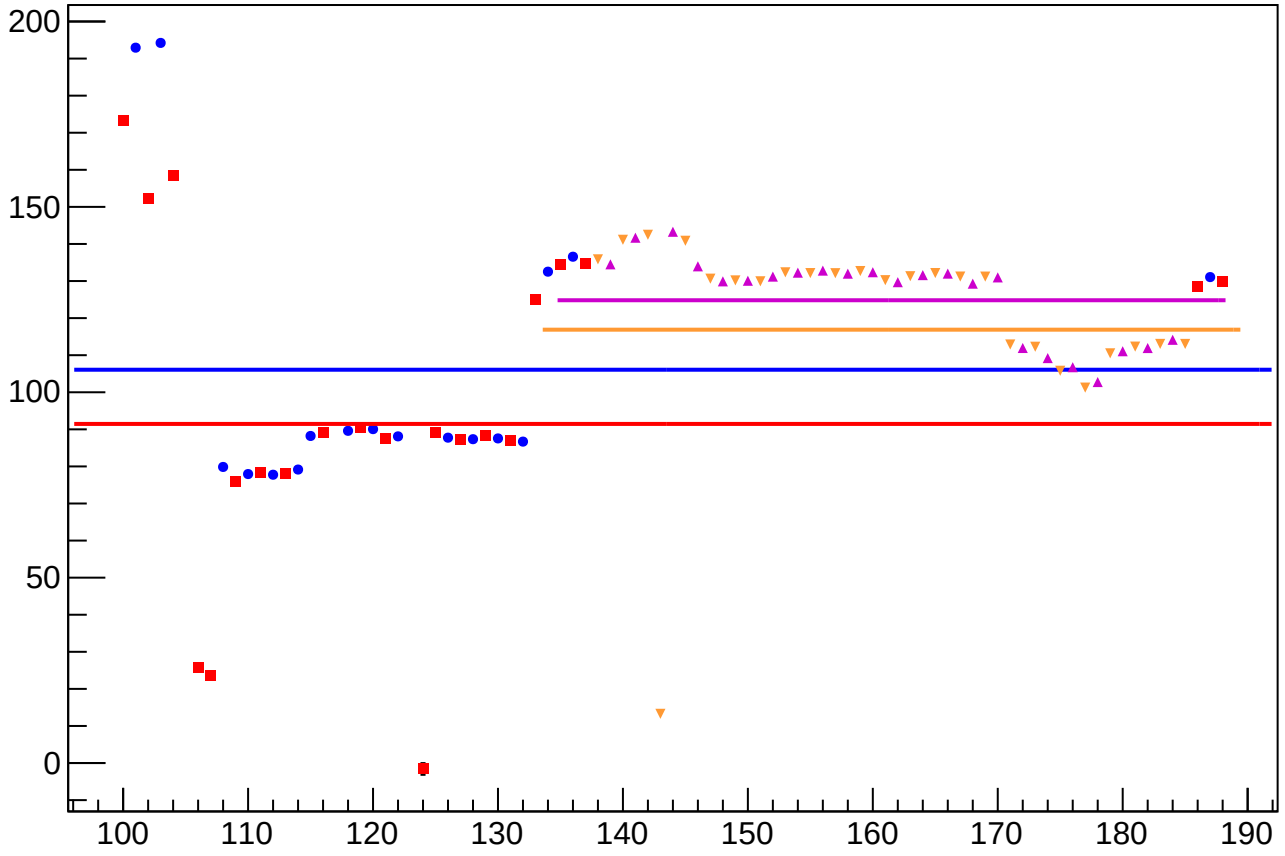
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -69.473+/-0.642 χ^2/NDF: 1227.6/41

All: -70.531+/-0.457 χ^2/NDF: 2001.3/85

- sign -71.622+/-0.652 χ^2/NDF: 768.2/43

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 106.079+/-0.070 χ^2/NDF: 241841.1/16

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 91.462+/-0.063 χ^2/NDF: 411344.9/20

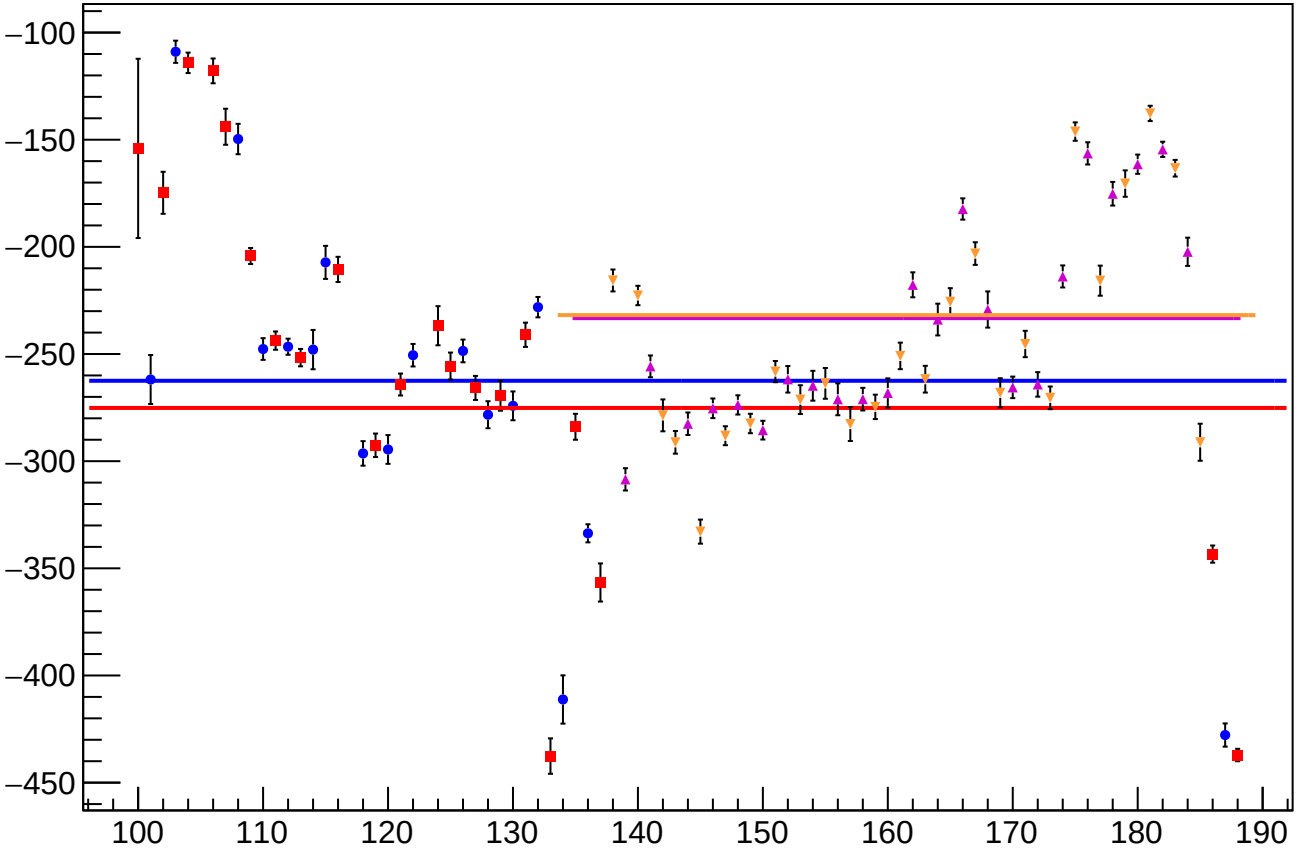
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 114.424+/-0.033 χ^2/NDF: 883234.1/41

All: 114.903+/-0.024 χ^2/NDF: 1586725.8/85

- sign 115.377+/-0.033 χ^2/NDF: 703084.6/43

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -262.488+/-1.390 χ^2/NDF: 2734.7/16

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -275.154+/-1.160 χ^2/NDF: 6765.9/20

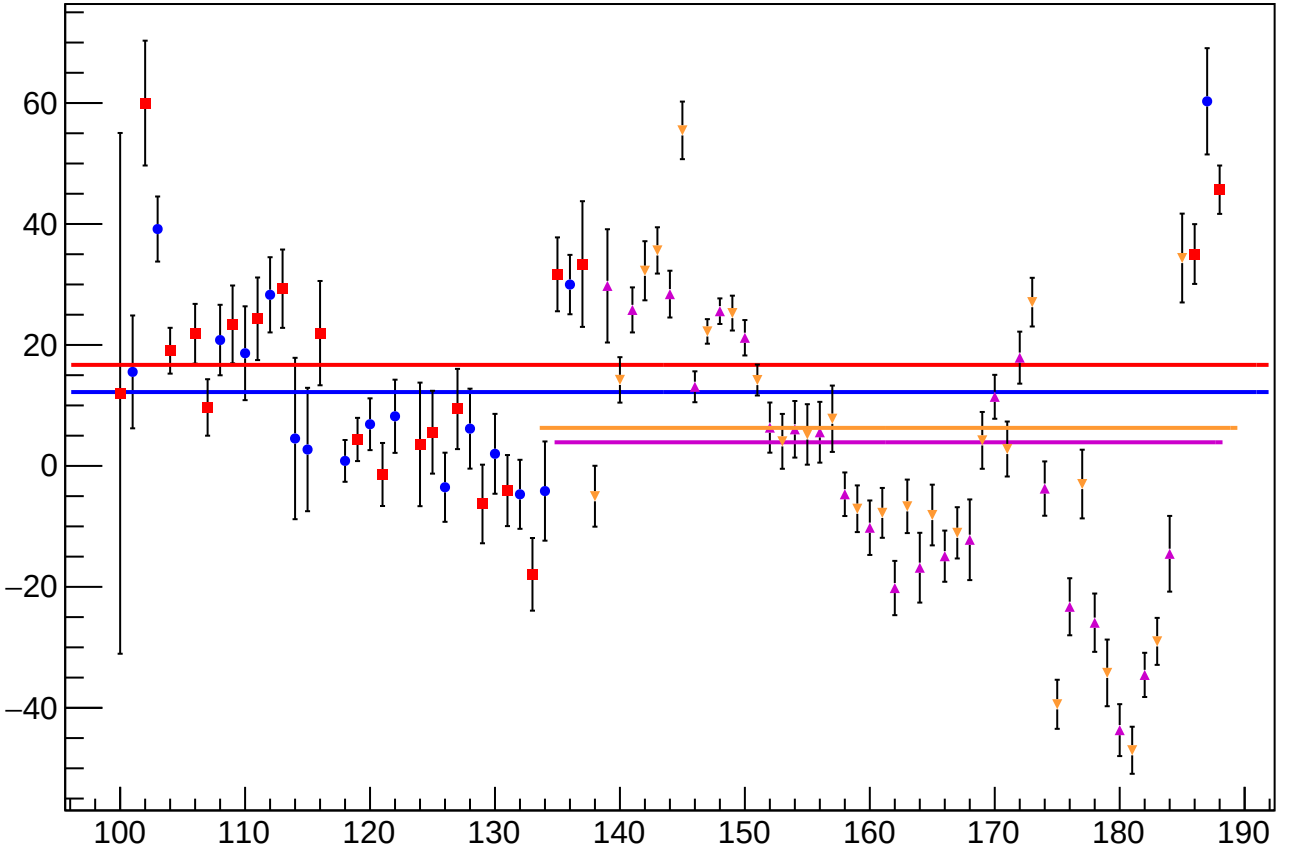
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -243.384+/-0.853 χ^2/NDF: 5714.3/41

All: -248.624+/-0.584 χ^2/NDF: 15300.8/85

- sign -253.244+/-0.801 χ^2/NDF: 9515.4/43

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 12.211+/-1.450 χ^2/NDF: 115.4/16

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 16.704+/-1.252 χ^2/NDF: 190.4/20

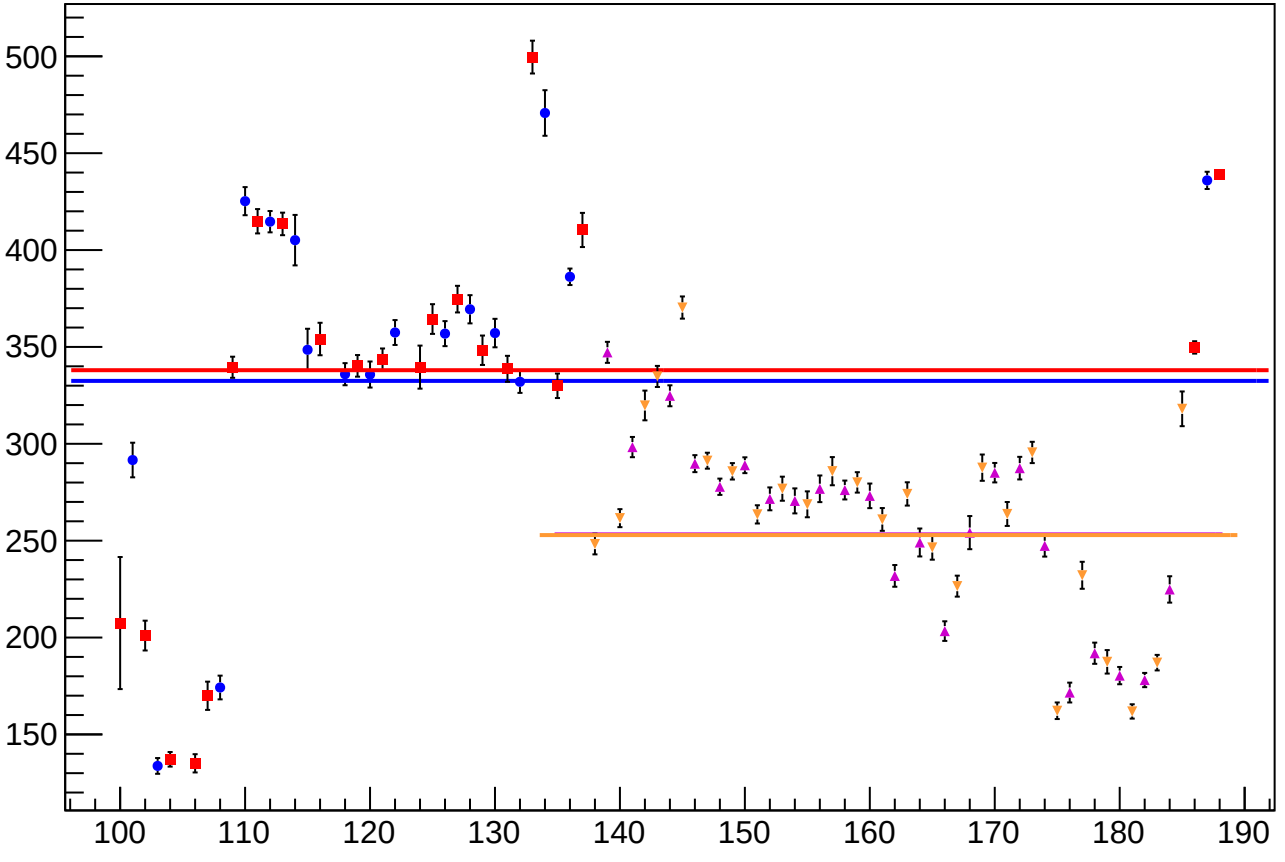
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 7.641+/-0.693 χ^2/NDF: 999.8/41

All: 7.689+/-0.487 χ^2/NDF: 1913.7/85

- sign 7.737+/-0.685 χ^2/NDF: 914.0/43

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 332.471+/-1.494 χ^2/NDF: 4404.1/16

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 337.991+/-1.164 χ^2/NDF: 8261.1/20

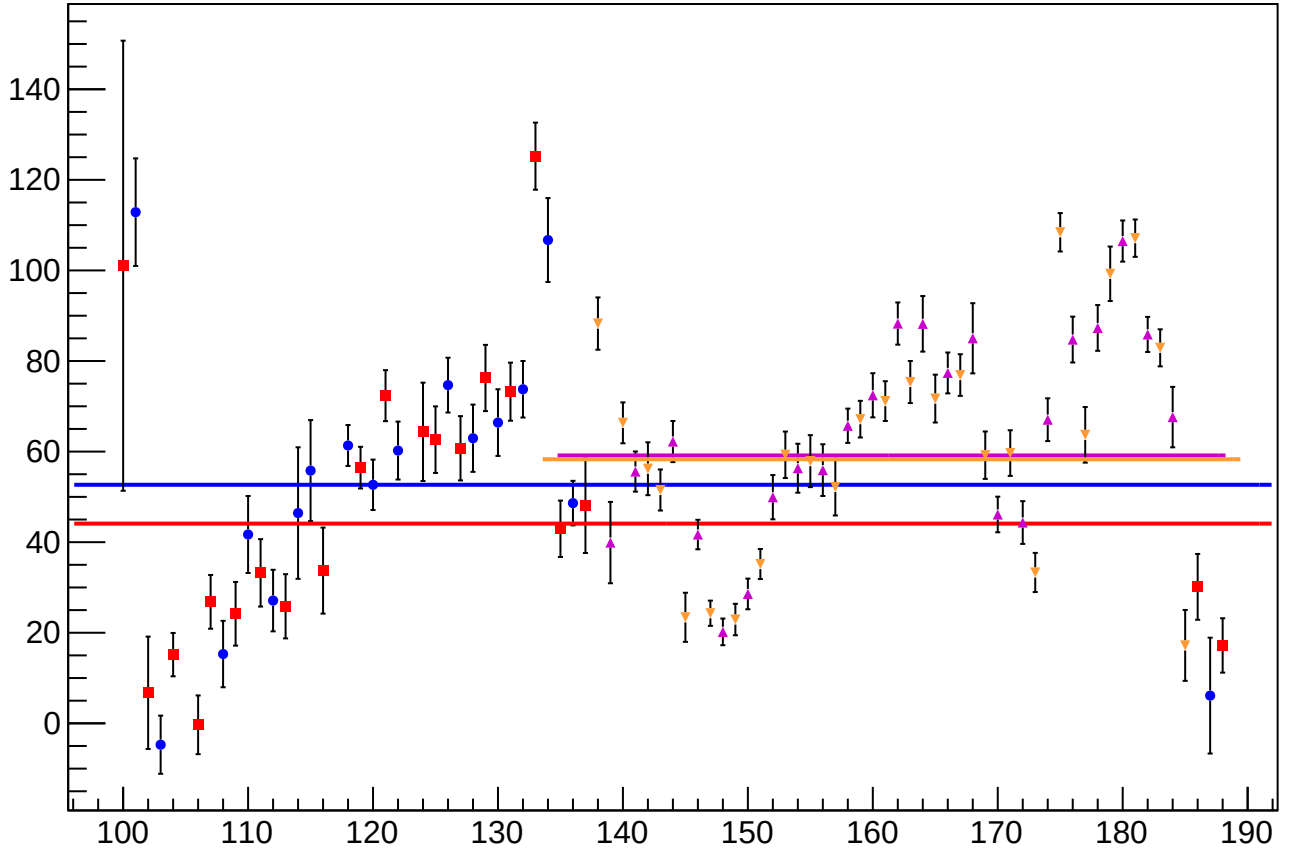
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 279.887+/-0.870 χ^2/NDF: 8858.4/41

All: 286.998+/-0.588 χ^2/NDF: 22117.3/85

- sign 292.965+/-0.797 χ^2/NDF: 13136.1/43

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 52.672+/-1.684 χ^2/NDF: 230.7/16

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 44.099+/-1.507 χ^2/NDF: 352.0/20

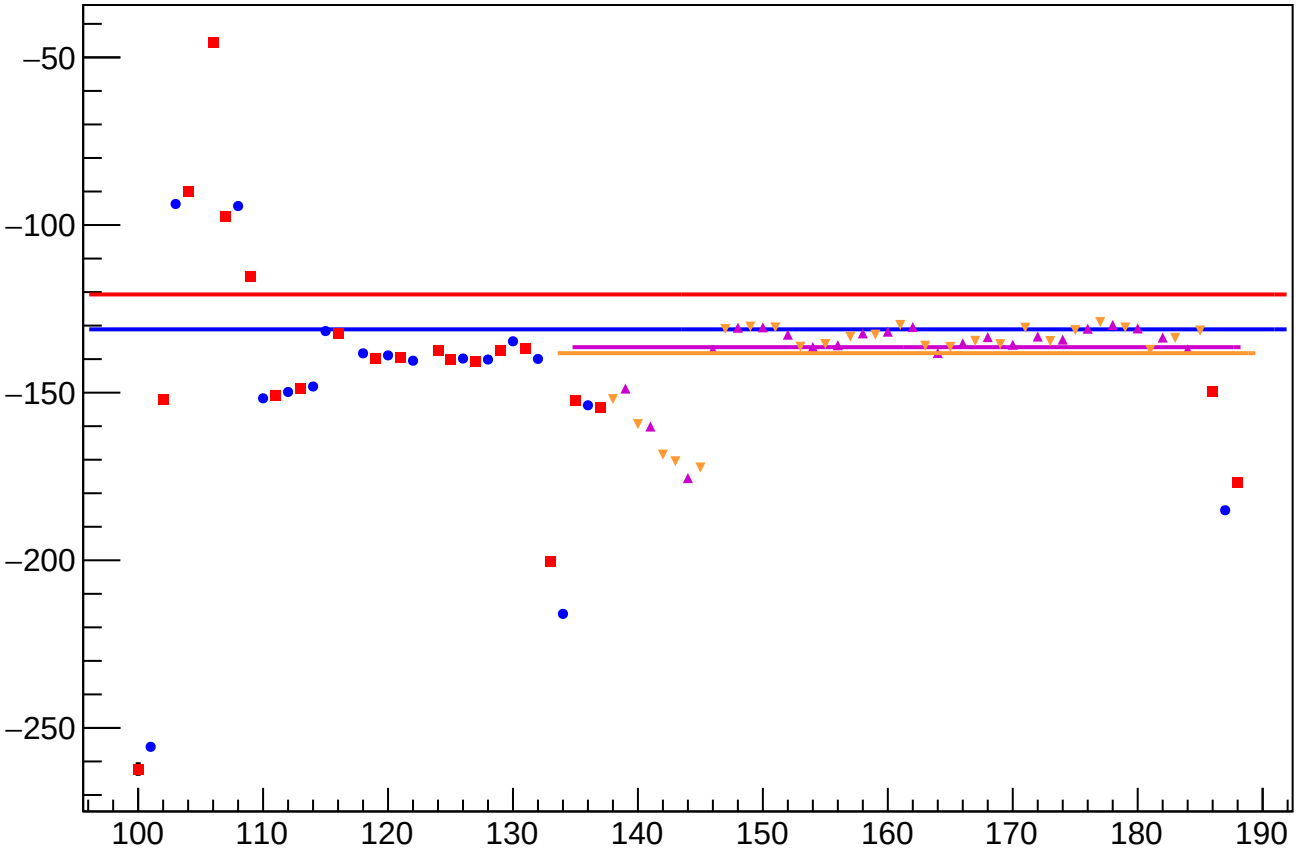
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 57.030+/-0.802 χ^2/NDF: 1089.6/41

All: 55.980+/-0.565 χ^2/NDF: 2149.3/85

- sign 54.944+/-0.797 χ^2/NDF: 1056.3/43

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -131.115+/-0.090 χ^2/NDF: 180015.5/16

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -120.708+/-0.082 χ^2/NDF: 243126.8/20

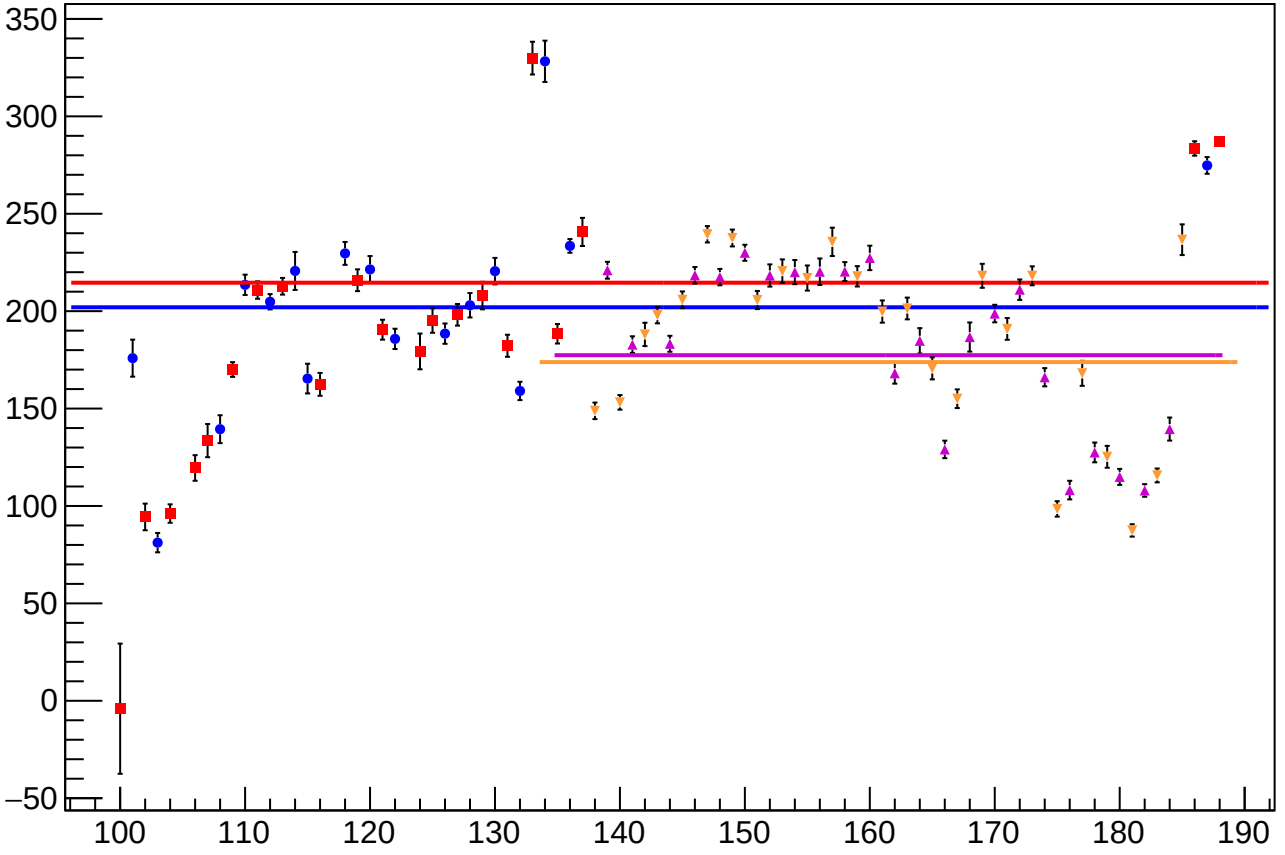
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -136.931+/-0.038 χ^2/NDF: 266904.9/41

All: -134.960+/-0.027 χ^2/NDF: 594021.4/85

- sign -133.040+/-0.038 χ^2/NDF: 321931.2/43

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 201.990+/-1.337 χ^2/NDF: 1354.1/16

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 214.609+/-1.095 χ^2/NDF: 3153.3/20

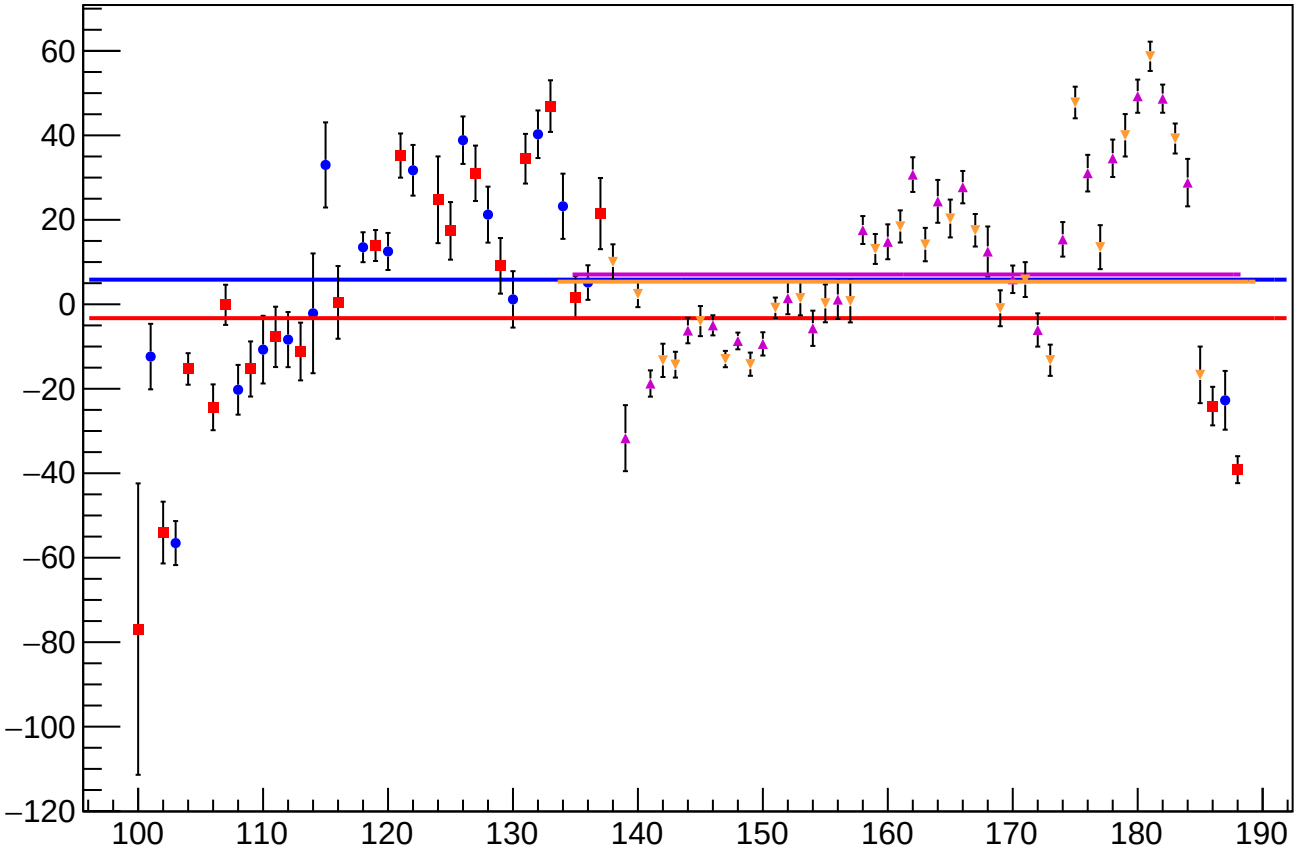
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 183.461+/-0.781 χ^2/NDF: 4273.4/41

All: 189.165+/-0.536 χ^2/NDF: 10122.5/85

- sign 194.241+/-0.737 χ^2/NDF: 5748.3/43

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 5.838+/-1.413 χ^2/NDF: 310.1/16

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -3.281+/-1.203 χ^2/NDF: 473.1/20

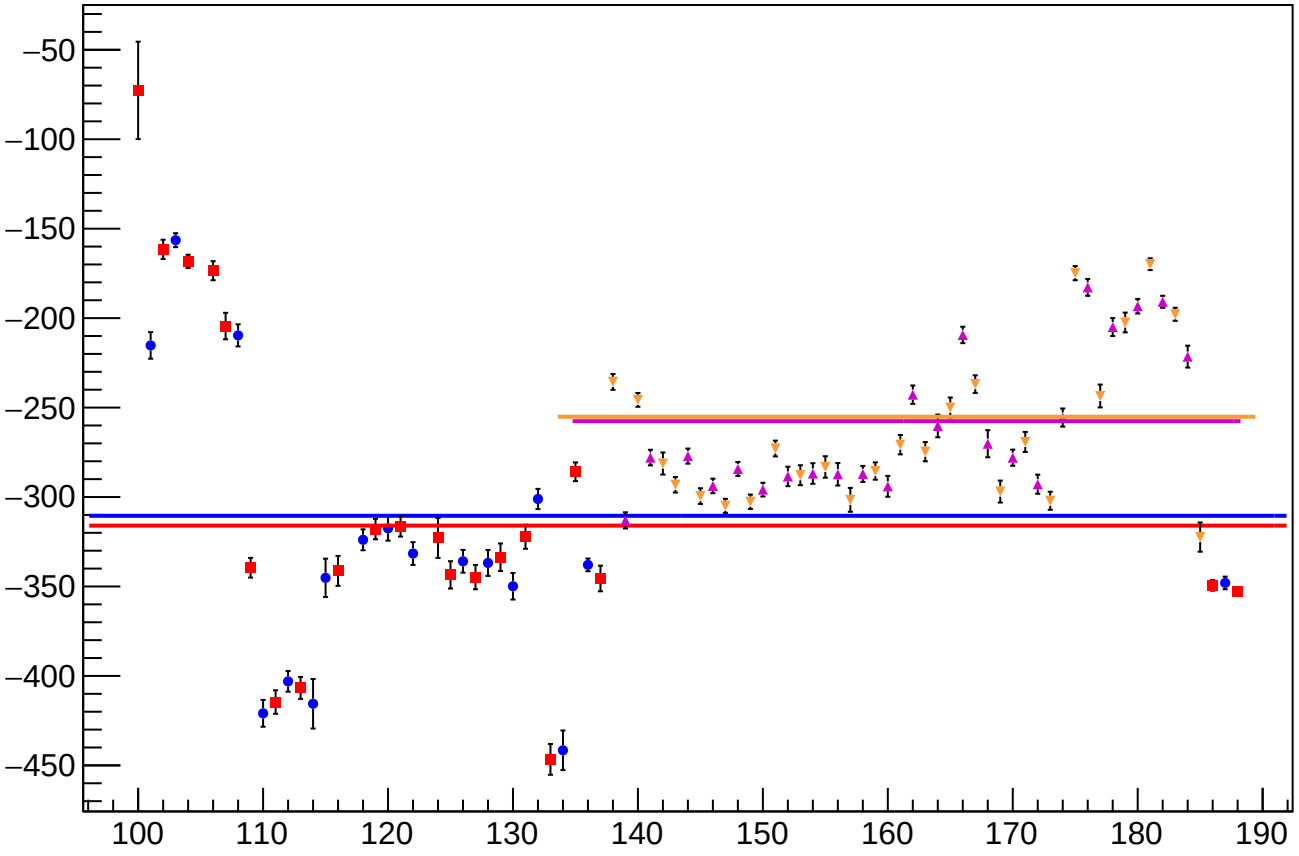
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 5.459+/-0.635 χ^2/NDF: 1120.2/41

All: 4.833+/-0.448 χ^2/NDF: 2358.5/85

- sign 4.214+/-0.631 χ^2/NDF: 1236.4/43

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -310.483+/-1.403 χ^2/NDF: 2920.3/16

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -315.979+/-1.064 χ^2/NDF: 4732.8/20

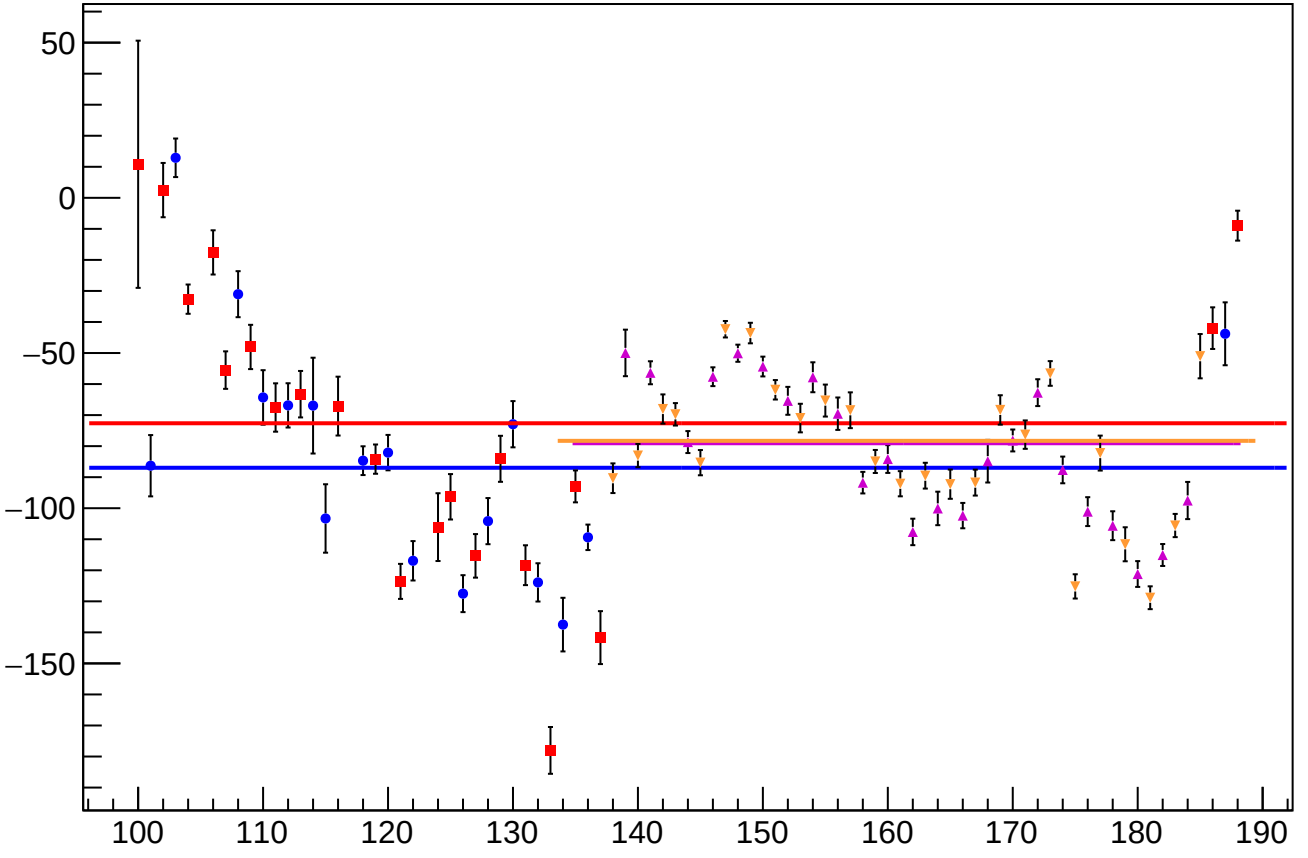
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -272.676+/-0.790 χ^2/NDF: 6327.8/41

All: -279.133+/-0.533 χ^2/NDF: 14612.4/85

- sign -284.534+/-0.723 χ^2/NDF: 8162.0/43

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -86.968+/-1.633 χ^2/NDF: 530.6/16

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -72.630+/-1.456 χ^2/NDF: 901.5/20

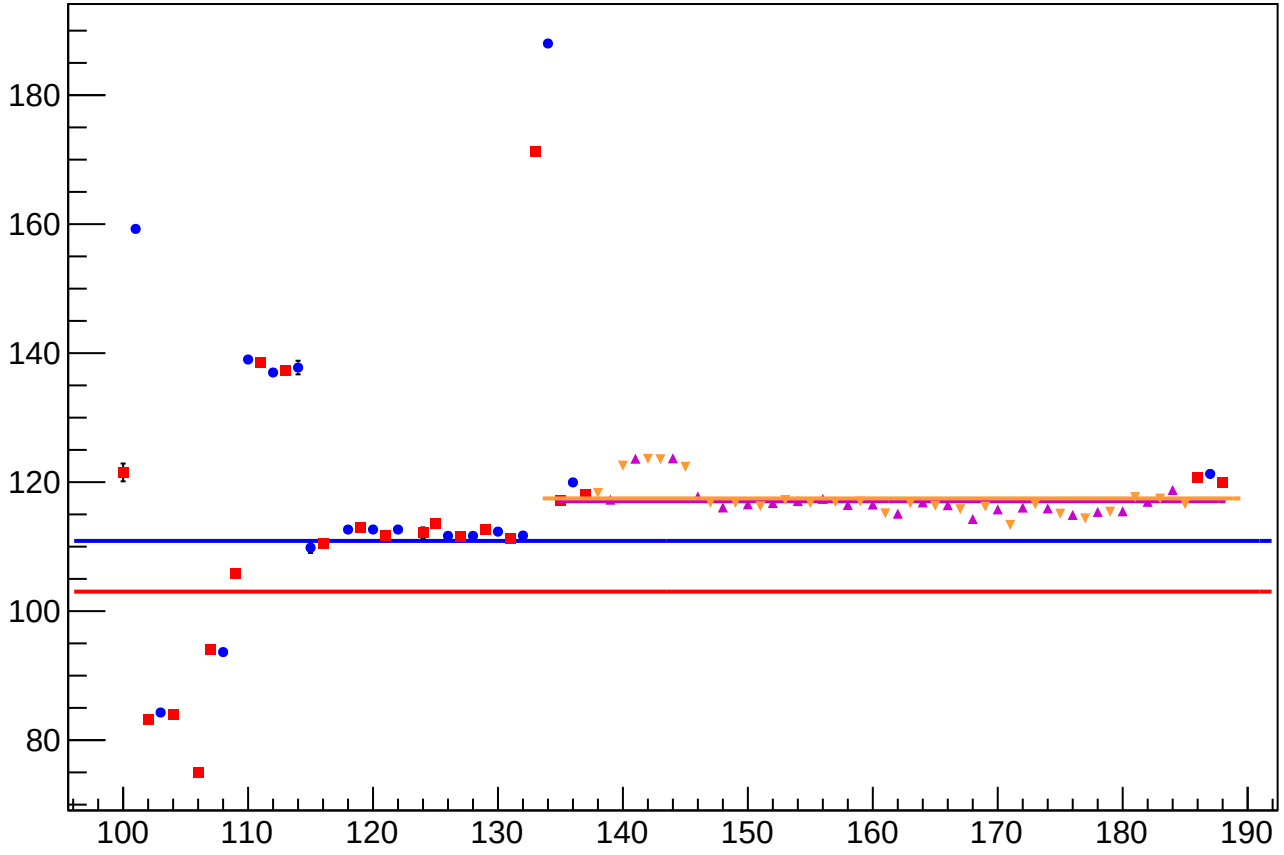
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -80.034+/-0.732 χ^2/NDF: 1421.3/41

All: -78.737+/-0.518 χ^2/NDF: 3046.3/85

- sign -77.434+/-0.733 χ^2/NDF: 1618.8/43

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.889+/-0.085 χ^2/NDF: 83865.3/16

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 103.027+/-0.076 χ^2/NDF: 68088.7/20

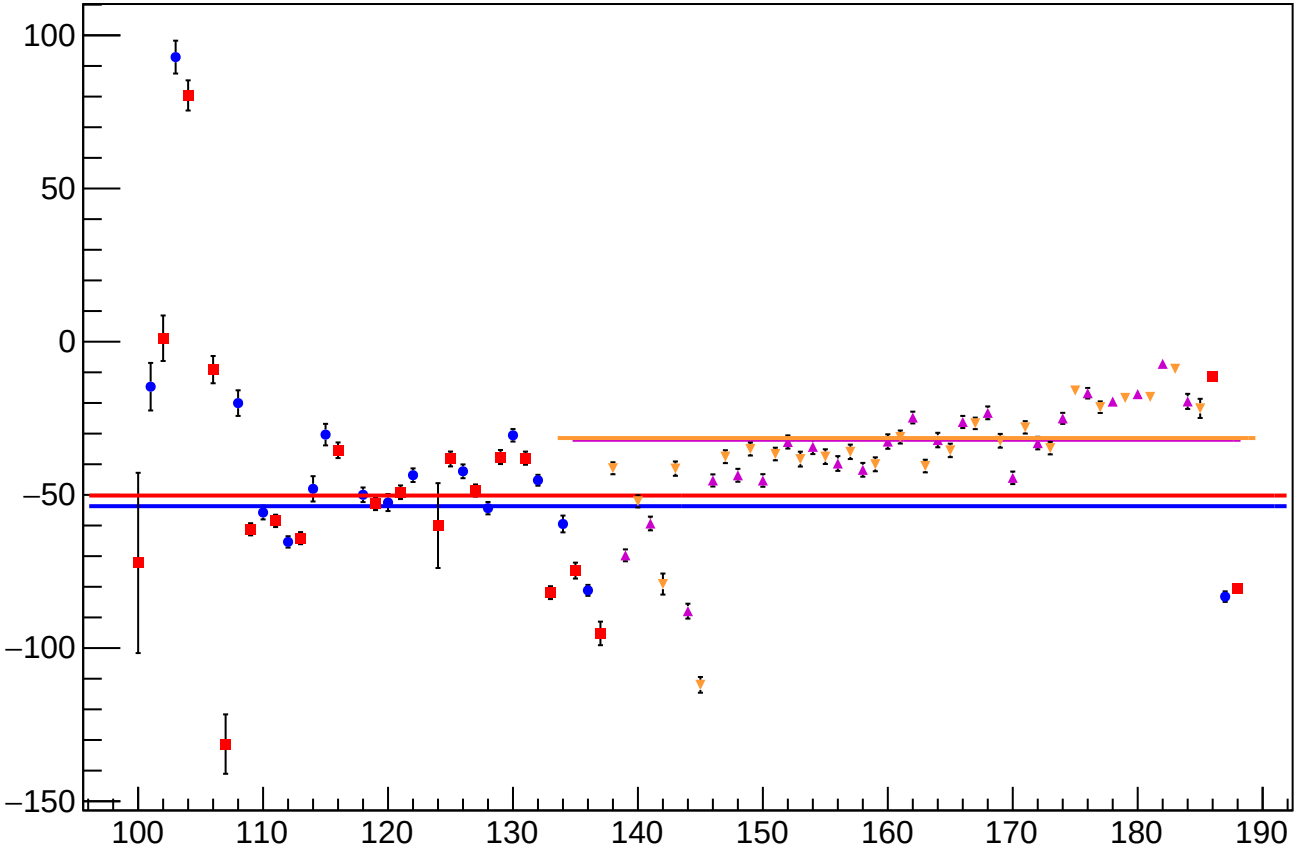
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.376+/-0.035 χ^2/NDF: 93625.2/41

All: 115.280+/-0.024 χ^2/NDF: 193827.1/85

- sign 114.198+/-0.034 χ^2/NDF: 98217.9/43

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -53.689+/-0.575 χ^2/NDF: 1655.9/16

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -50.216+/-0.465 χ^2/NDF: 3870.3/20

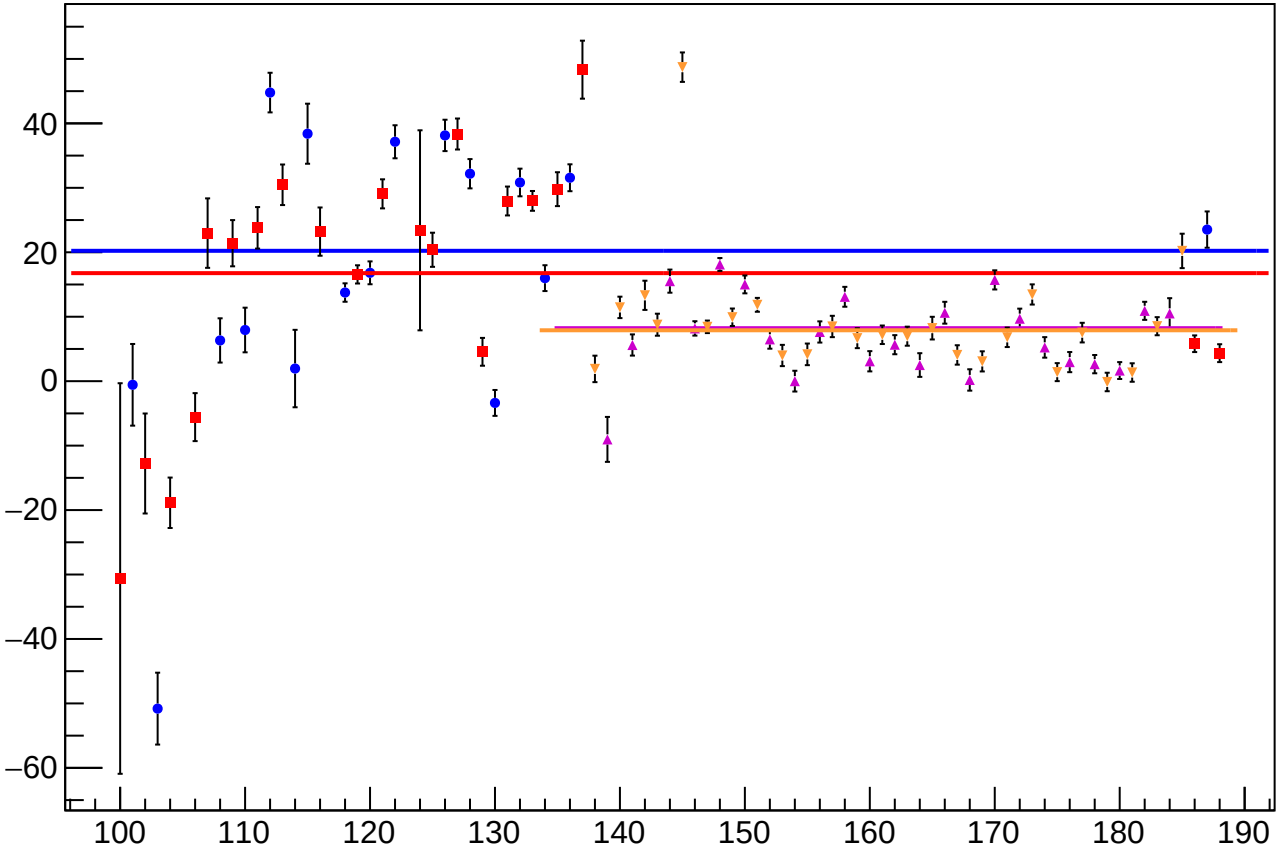
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -38.675+/-0.328 χ^2/NDF: 4657.5/41

All: -39.360+/-0.224 χ^2/NDF: 11313.5/85

- sign -39.961+/-0.307 χ^2/NDF: 6647.8/43

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.227+/-0.598 χ^2/NDF: 637.7/16

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 16.764+/-0.520 χ^2/NDF: 613.9/20

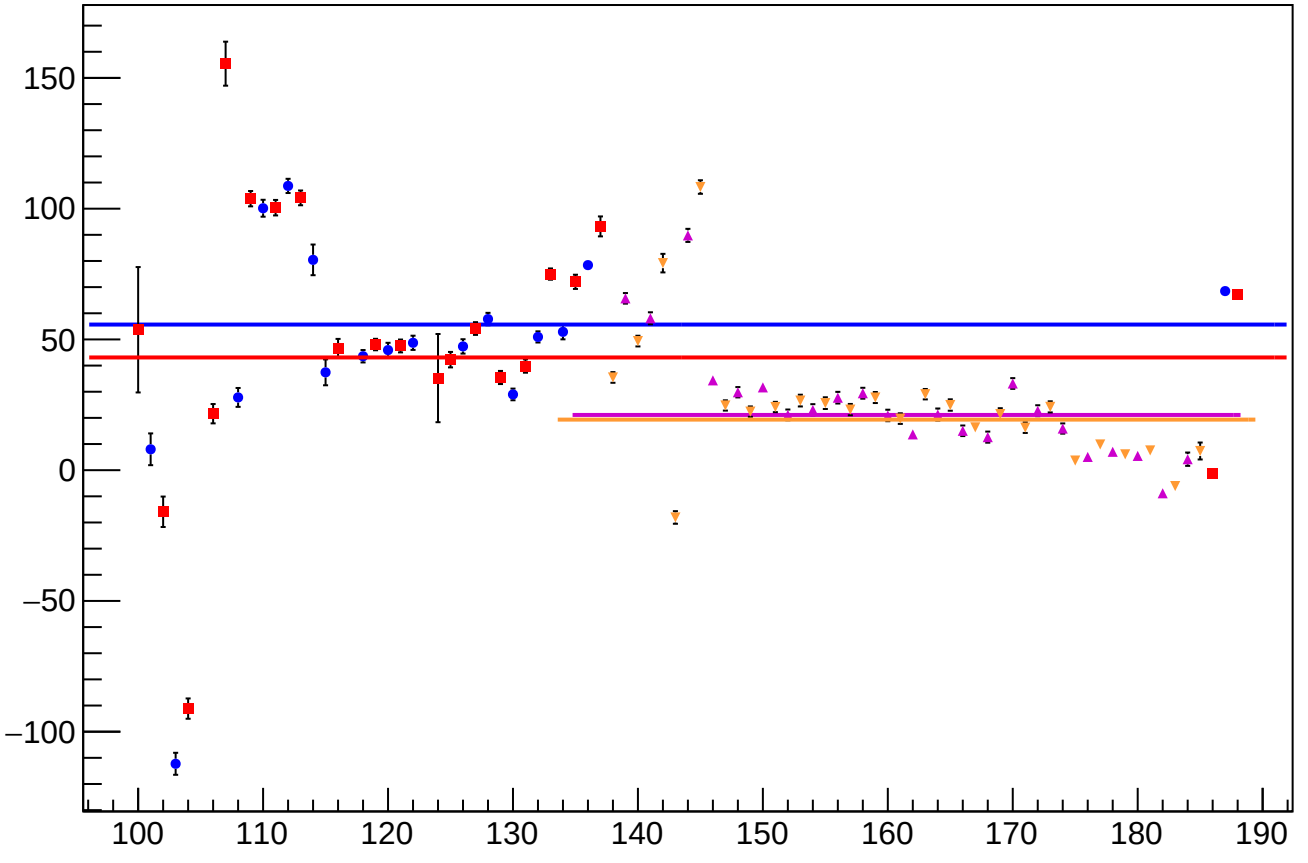
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

+ sign 10.428+/-0.271 χ^2/NDF: 1466.1/41

All: 10.476+/-0.191 χ^2/NDF: 2616.2/85

- sign 10.523+/-0.270 χ^2/NDF: 1150.1/43

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 55.687+/-0.625 χ^2/NDF: 2760.4/16

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 43.108+/-0.449 χ^2/NDF: 7007.2/20

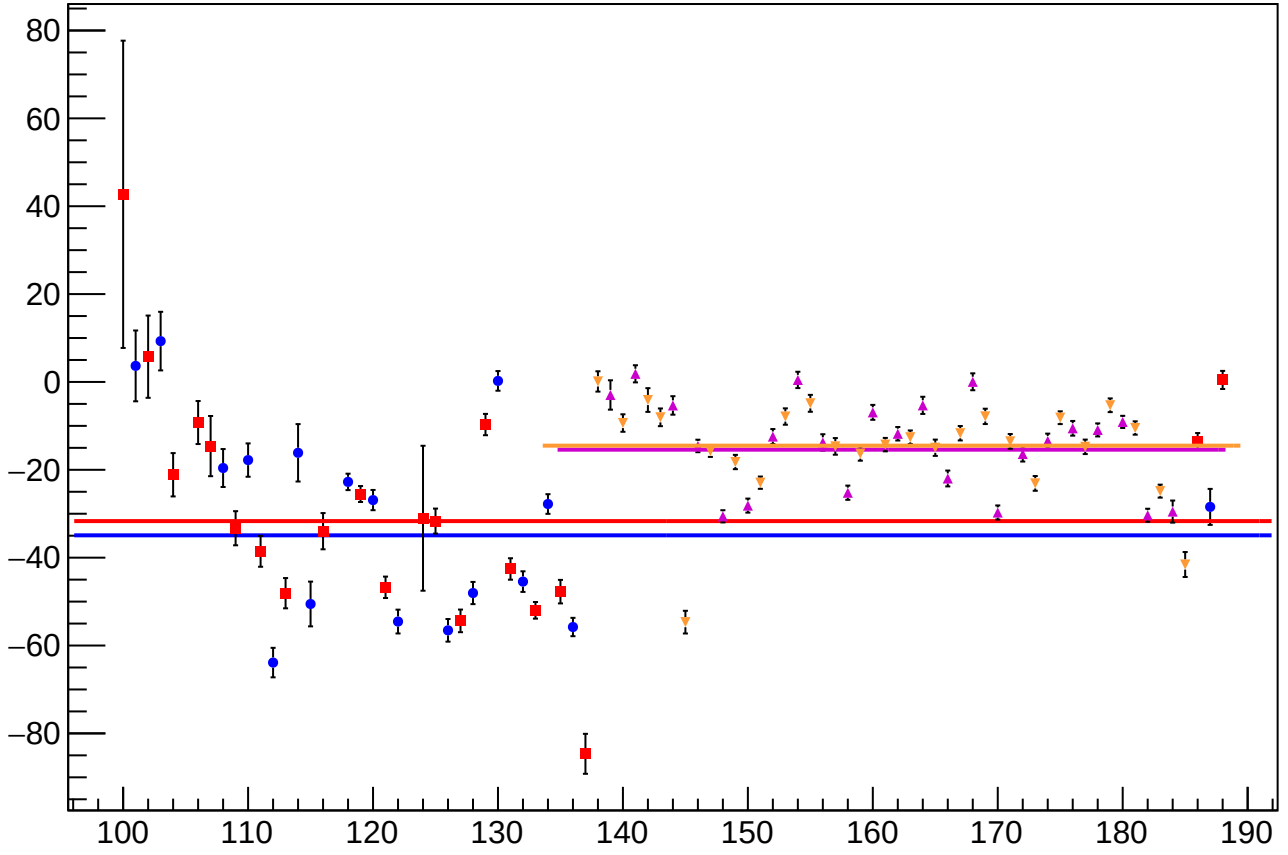
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

\+ sign 29.732+/-0.334 χ^2/NDF: 7857.0/41

All: 30.421+/-0.224 χ^2/NDF: 18698.8/85

\- sign 30.978+/-0.301 χ^2/NDF: 10834.2/43

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.915+/-0.690 χ^2/NDF: 775.7/16

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -31.675+/-0.635 χ^2/NDF: 931.0/20

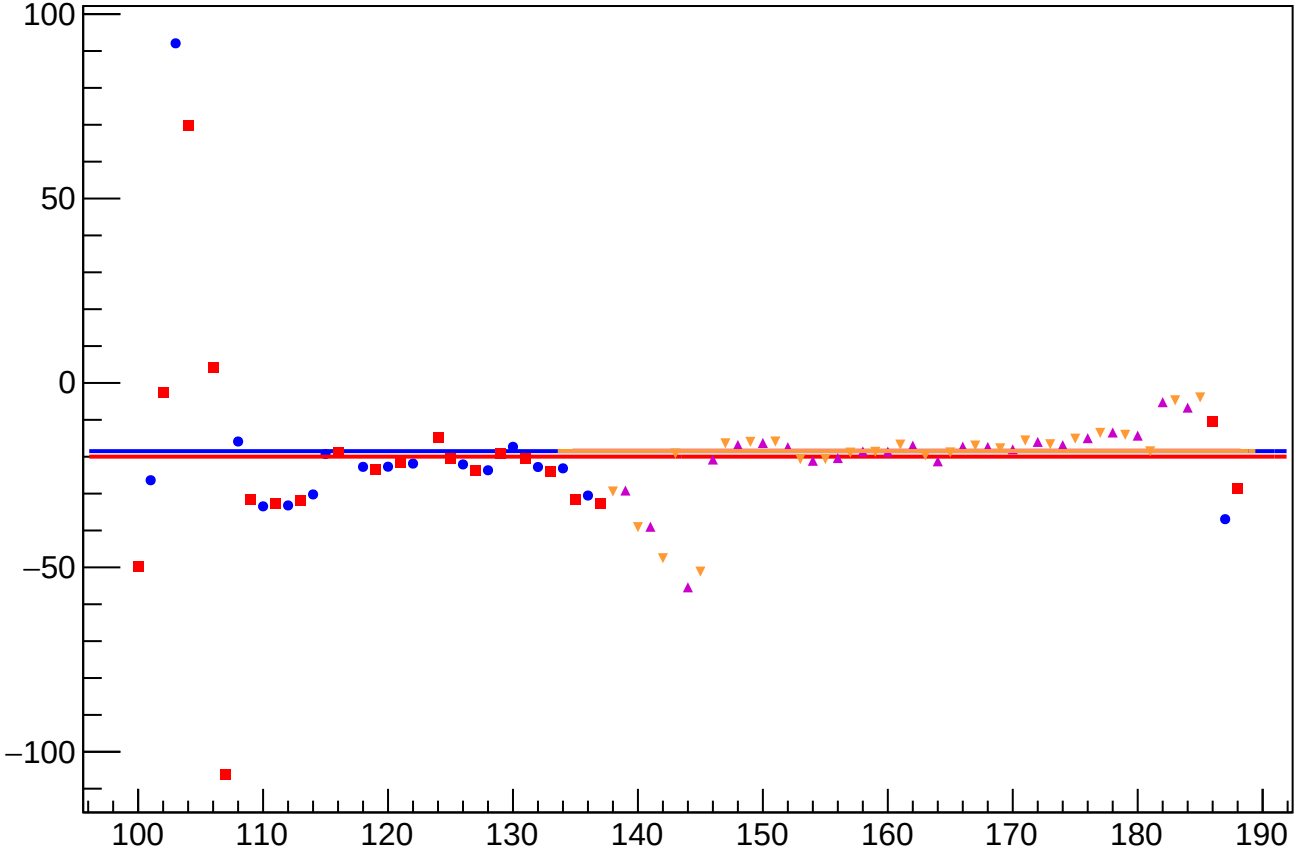
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -18.564+/-0.308 χ^2/NDF: 2117.6/41

All: -18.924+/-0.218 χ^2/NDF: 4348.8/85

- sign -19.289+/-0.310 χ^2/NDF: 2228.4/43

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -18.490+/-0.042 χ^2/NDF: 432986.6/16

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -19.975+/-0.040 χ^2/NDF: 357088.6/20

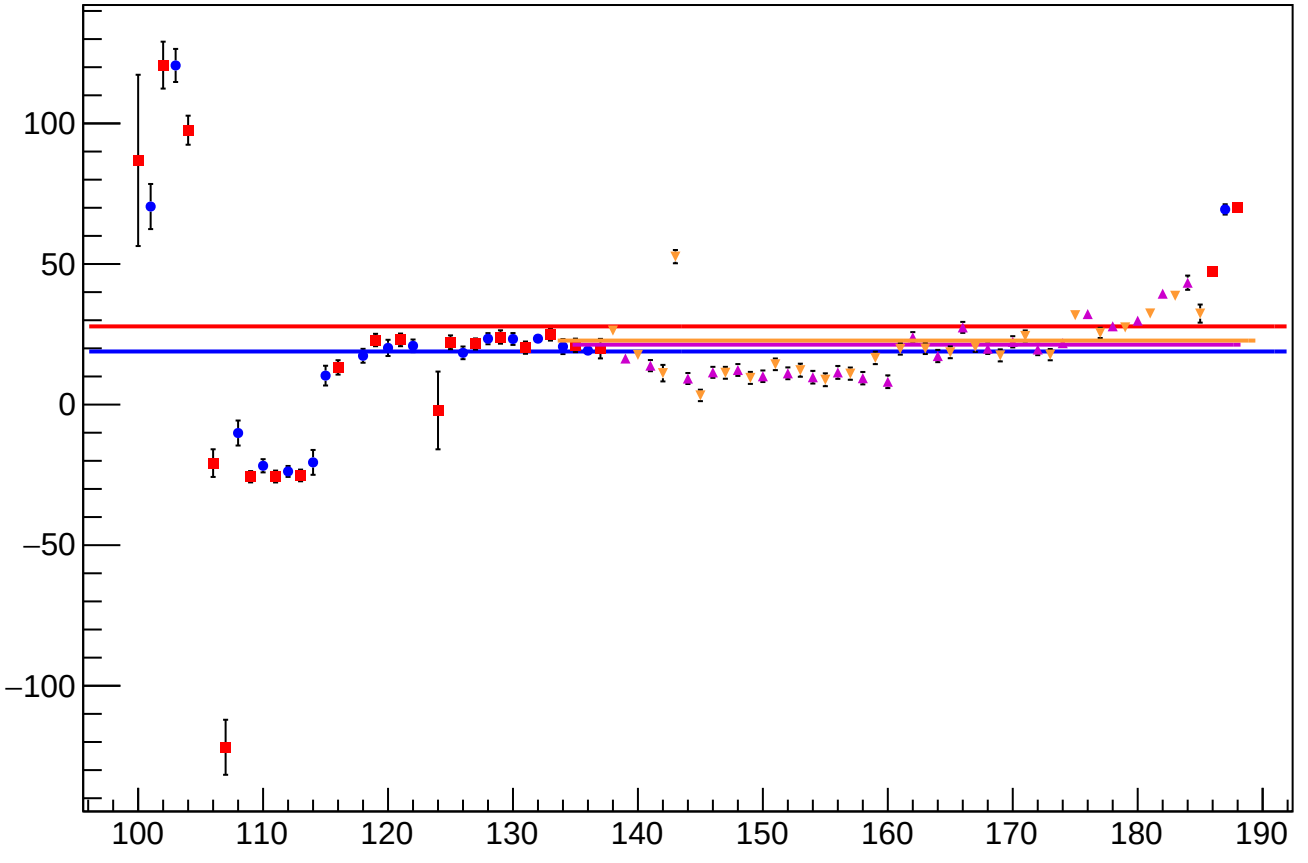
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.454+/-0.015 χ^2/NDF: 728346.6/41

All: -18.522+/-0.010 χ^2/NDF: 1336893.8/85

- sign -18.591+/-0.015 χ^2/NDF: 608503.1/43

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 18.890+/-0.583 χ^2/NDF: 2021.0/16

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 27.812+/-0.493 χ^2/NDF: 4509.6/20

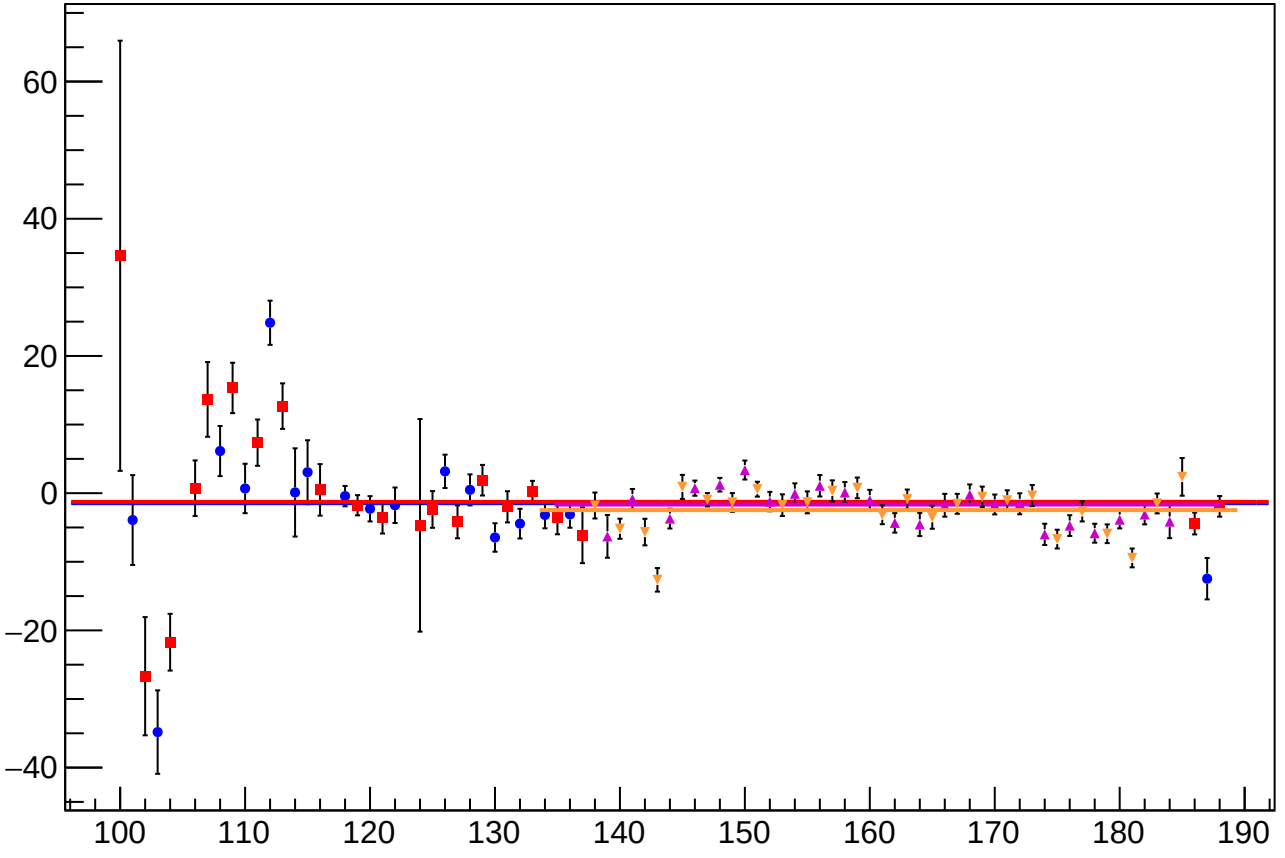
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 21.599+/-0.320 χ^2/NDF: 2774.6/41

All: 22.768+/-0.222 χ^2/NDF: 8045.8/85

- sign 23.845+/-0.307 χ^2/NDF: 5245.5/43

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.458+/-0.607 χ^2/NDF: 130.2/16

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.265+/-0.549 χ^2/NDF: 99.3/20

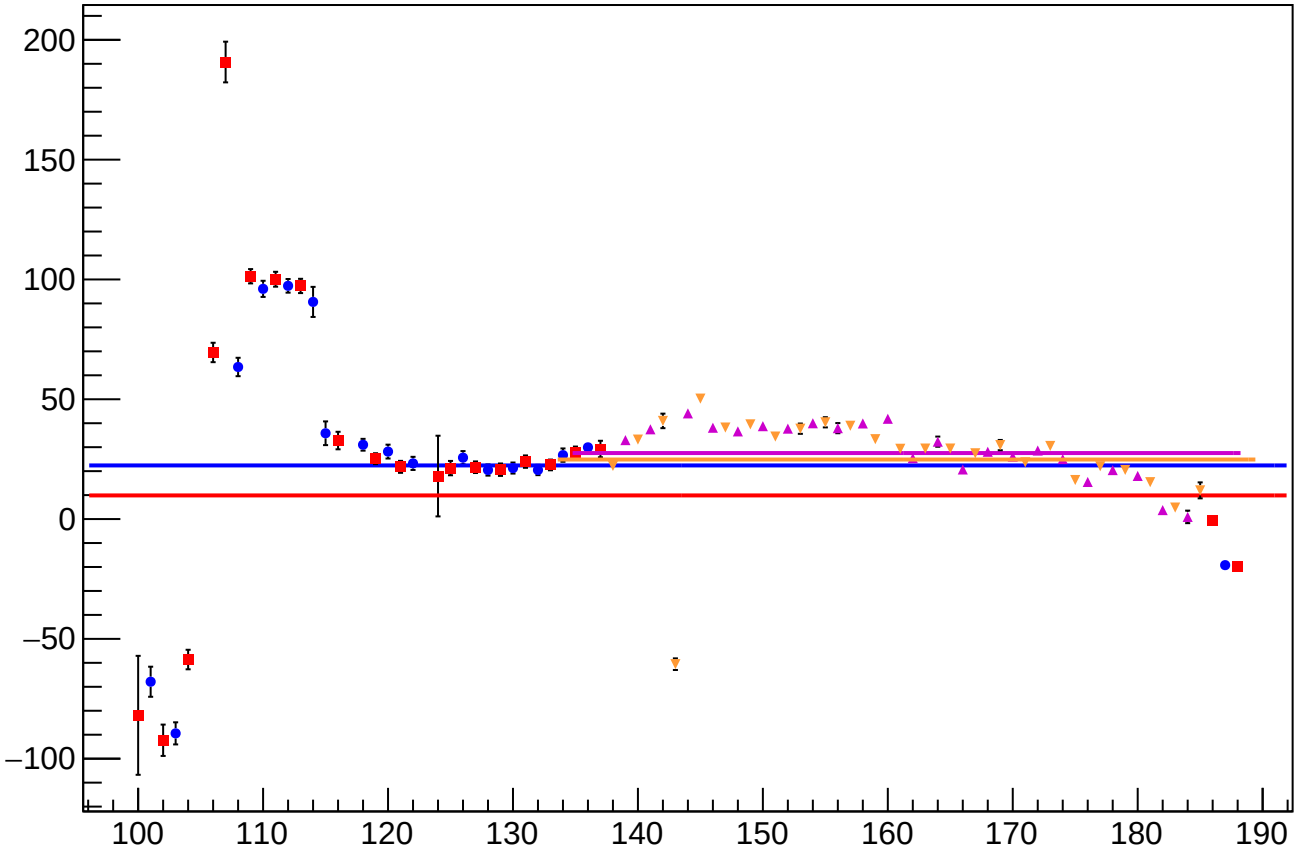
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.277+/-0.264 χ^2/NDF: 249.2/41

All: -1.925+/-0.187 χ^2/NDF: 422.7/85

- sign -1.567+/-0.266 χ^2/NDF: 169.9/43

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 22.384+/-0.635 χ^2/NDF: 3005.9/16

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 9.868+/-0.486 χ^2/NDF: 5443.8/20

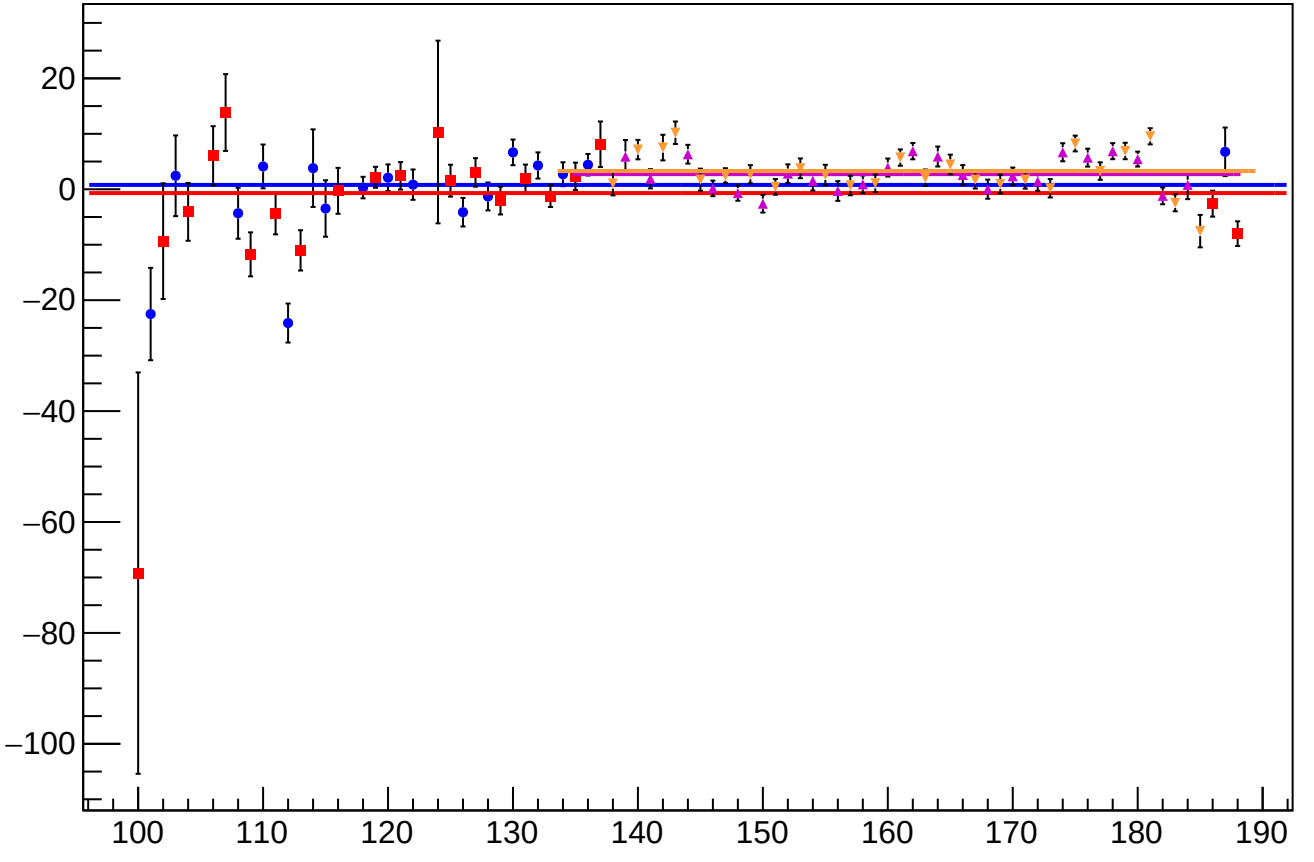
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

\+ sign 24.201+/-0.326 χ^2/NDF: 5065.7/41

All: 22.304+/-0.222 χ^2/NDF: 12260.7/85

\- sign 20.657+/-0.304 χ^2/NDF: 7131.8/43

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.787+/-0.696 χ^2/NDF: 80.3/16

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -0.689+/-0.662 χ^2/NDF: 53.7/20

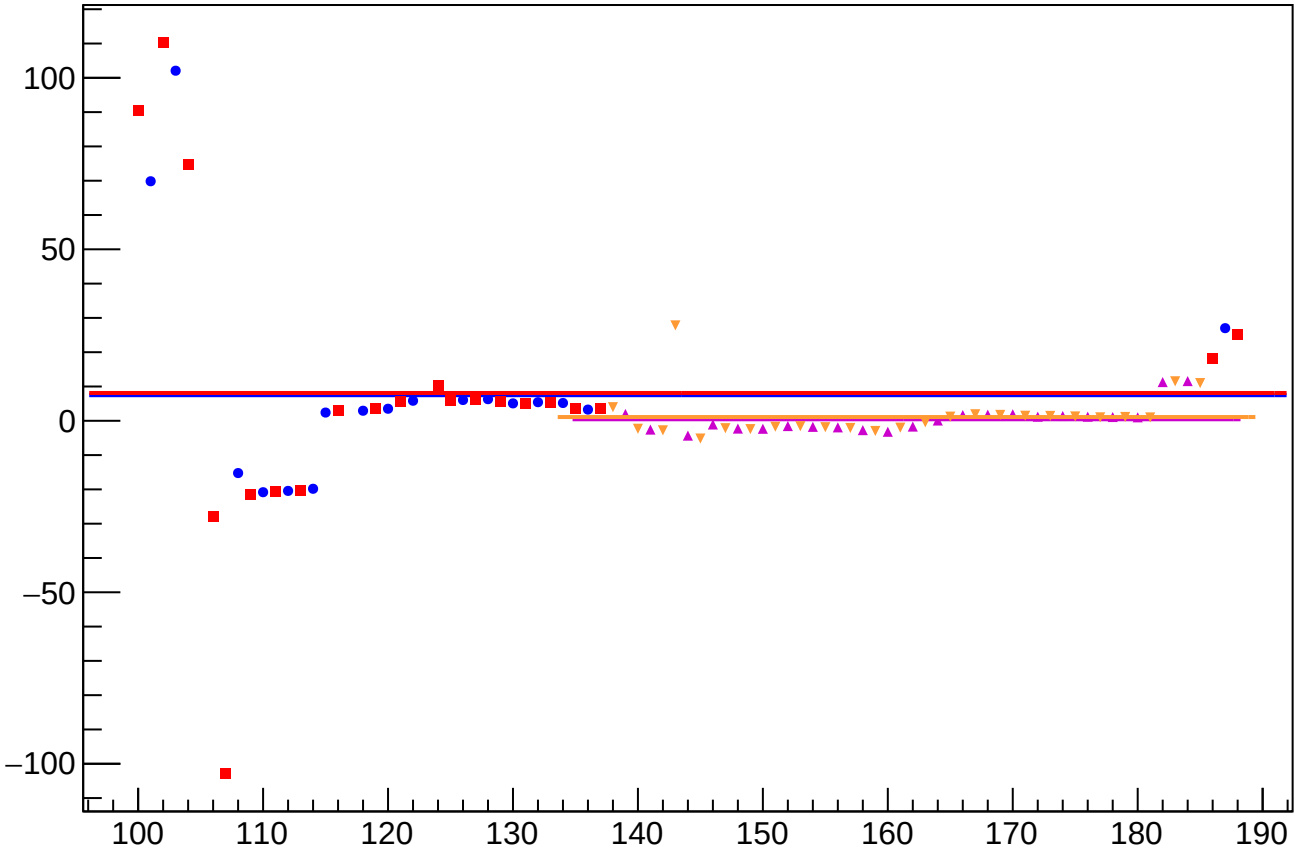
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.825+/-0.299 χ^2/NDF: 197.1/41

All: 2.423+/-0.213 χ^2/NDF: 350.0/85

- sign 2.009+/-0.304 χ^2/NDF: 149.2/43

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.464+/-0.042 χ^2/NDF: 327831.8/16

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 8.110+/-0.041 χ^2/NDF: 470535.4/20

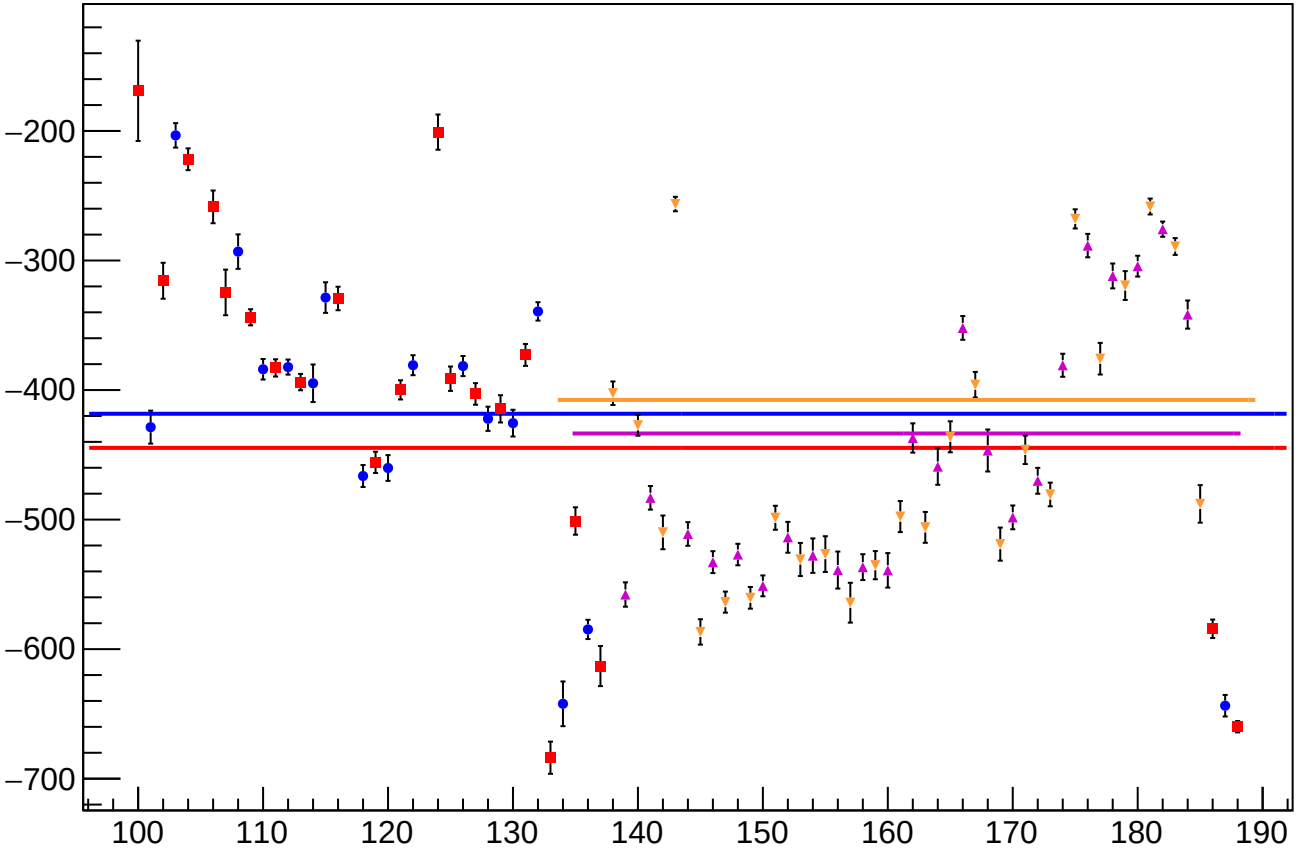
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

\+ sign 1.796+/-0.014 χ^2/NDF: 476930.6/41

All: 1.574+/-0.010 χ^2/NDF: 1031899.0/85

\- sign 1.348+/-0.014 χ^2/NDF: 554462.3/43

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -418.304+/-2.159 χ^2/NDF: 2353.3/16

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -444.630+/-1.847 χ^2/NDF: 5470.9/20

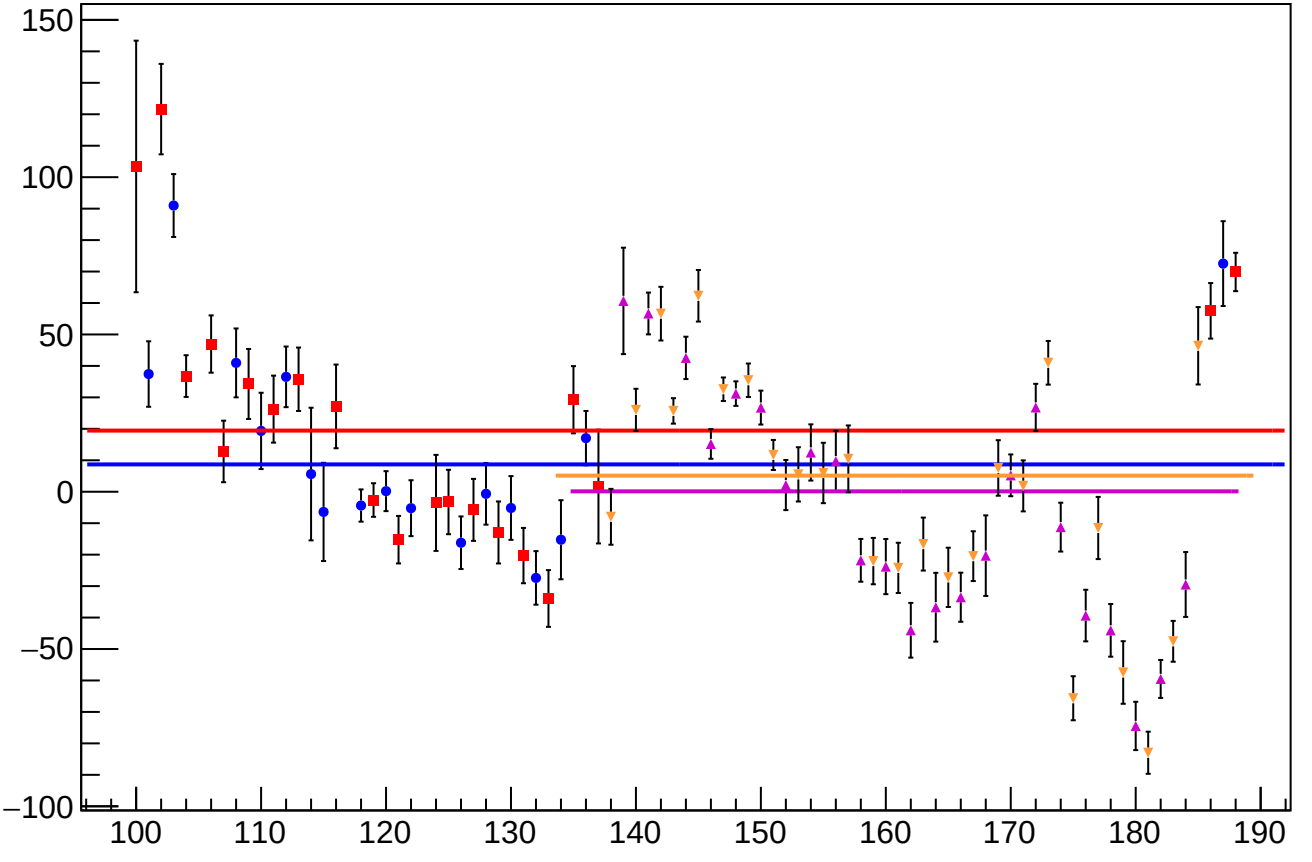
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

\+ sign -412.193+/-1.413 χ^2/NDF: 6372.9/41

All: -426.416+/-0.978 χ^2/NDF: 14779.7/85

\- sign -439.500+/-1.355 χ^2/NDF: 8212.1/43

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.688+/-2.233 χ^2/NDF: 161.5/16

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 19.442+/-2.013 χ^2/NDF: 283.4/20

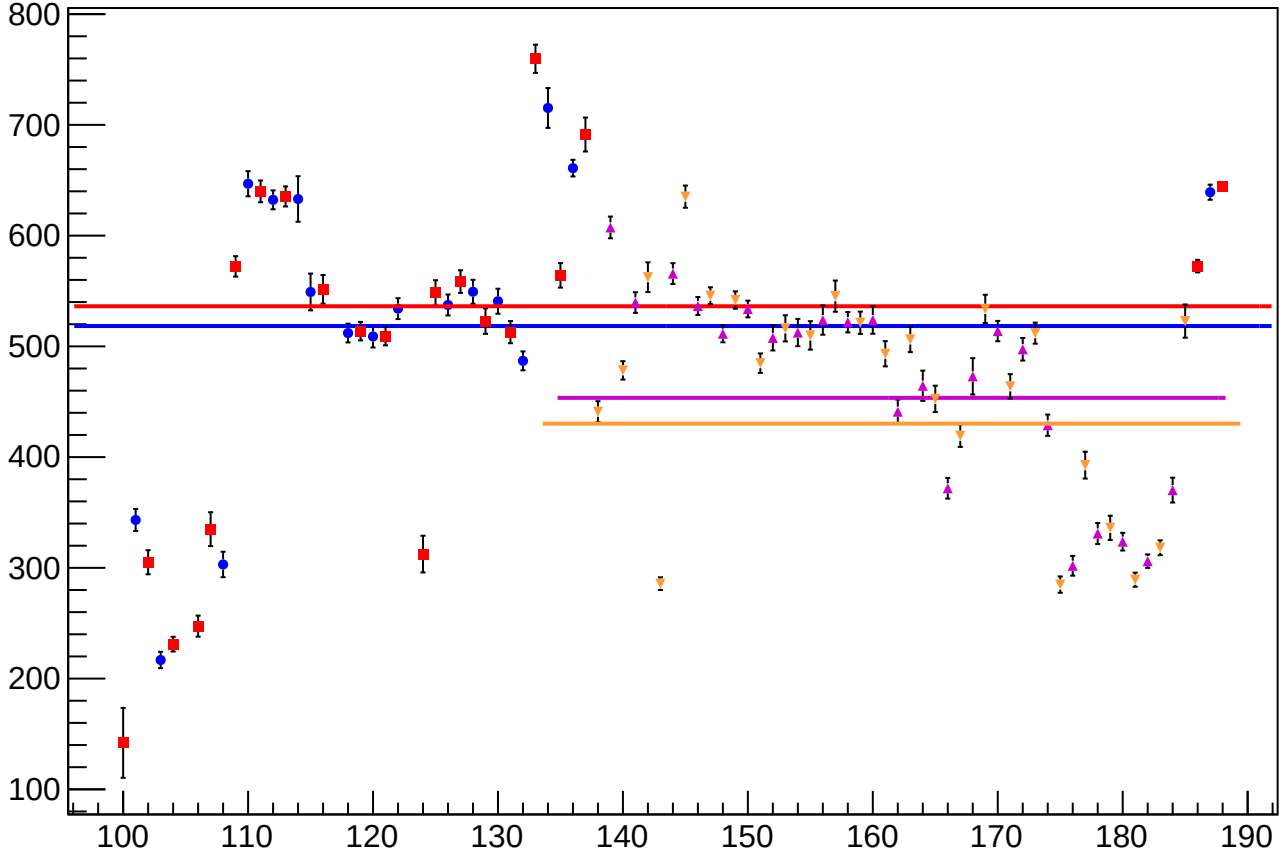
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 6.108+/-1.173 χ^2/NDF: 852.5/41

All: 6.525+/-0.838 χ^2/NDF: 1764.2/85

- sign 6.960+/-1.197 χ^2/NDF: 911.5/43

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 518.355+/-2.341 χ^2/NDF: 3491.0/16

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 536.204+/-1.874 χ^2/NDF: 5677.3/20

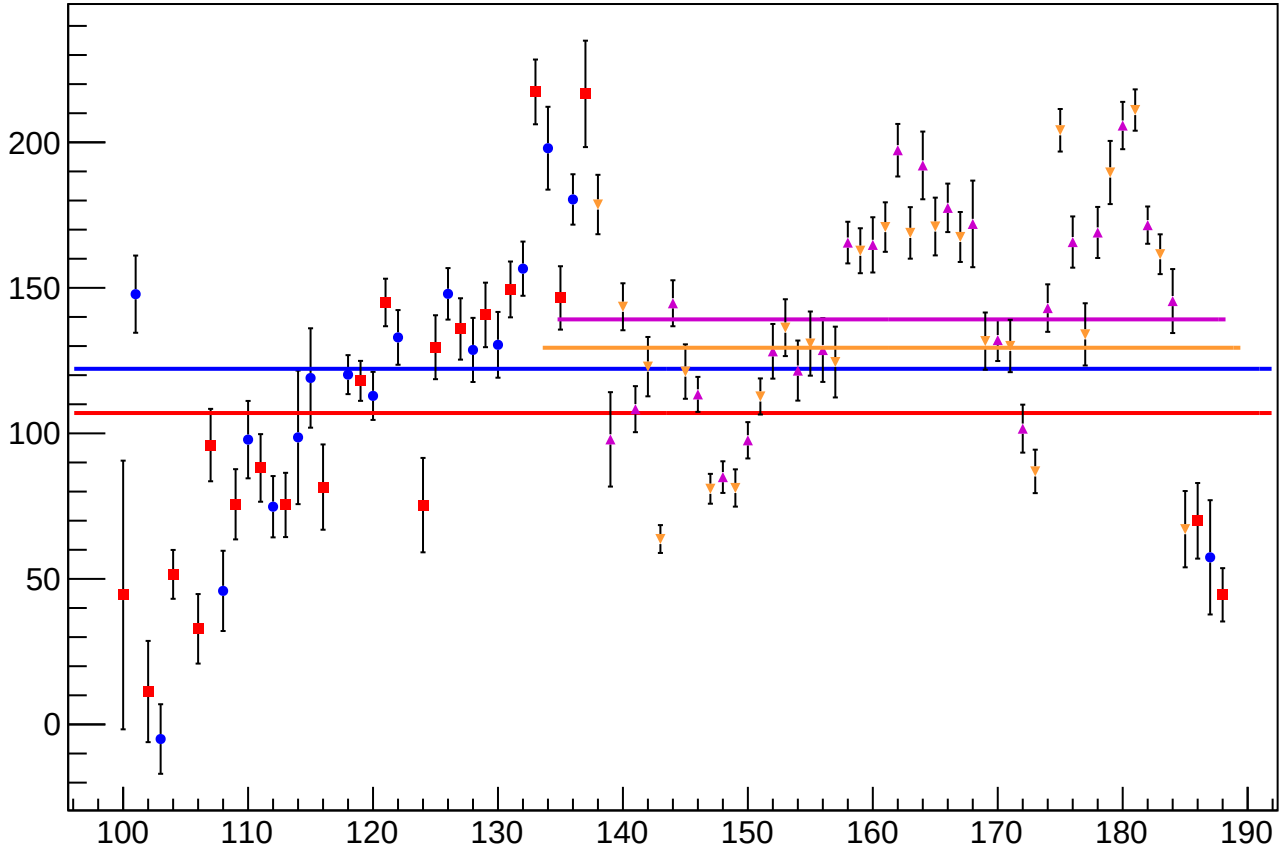
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 464.355+/-1.457 χ^2/NDF: 7764.1/41

All: 481.812+/-0.994 χ^2/NDF: 17053.0/85

- sign 497.000+/-1.359 χ^2/NDF: 9020.5/43

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 122.184+/-2.604 χ^2/NDF: 282.4/16

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 106.992+/-2.409 χ^2/NDF: 406.4/20

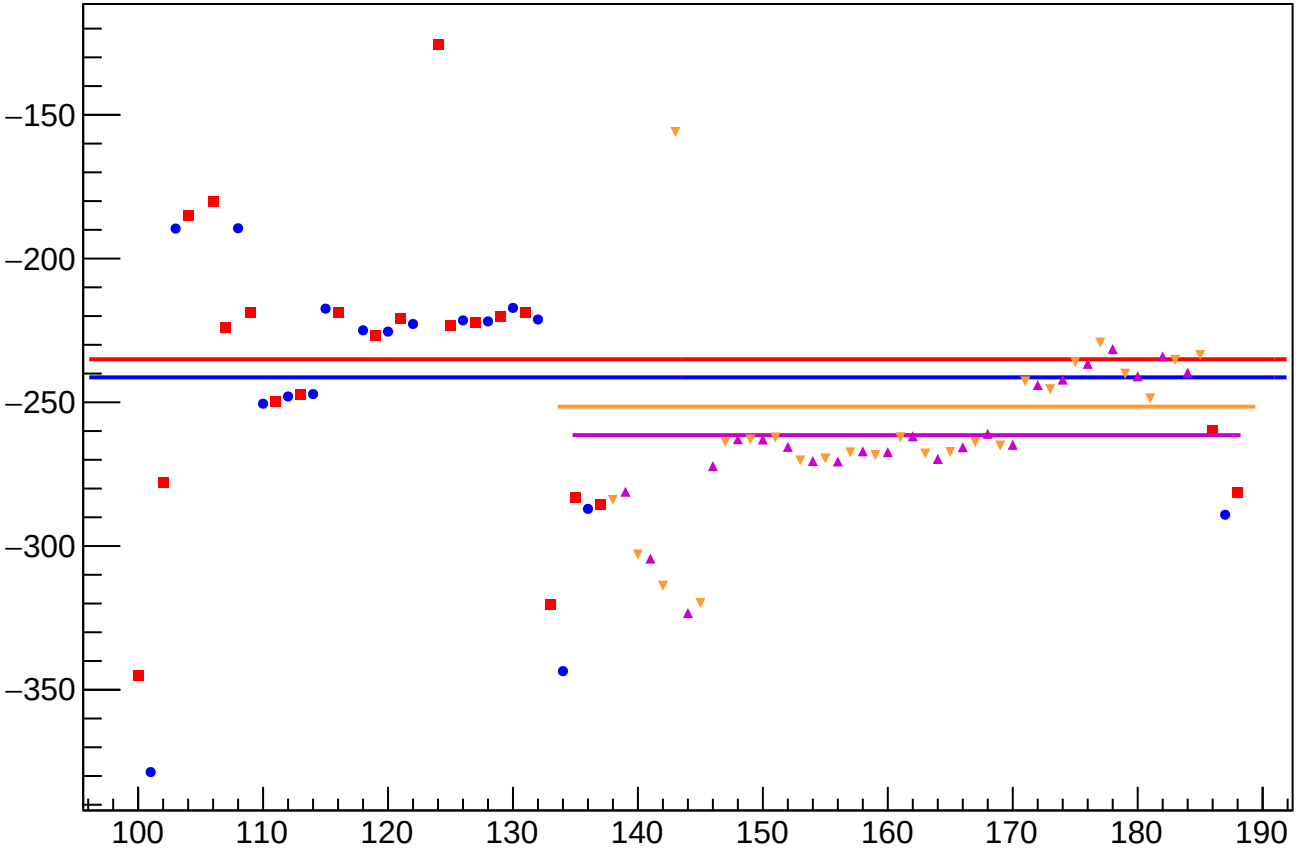
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 127.449+/-1.359 χ^2/NDF: 1102.3/41

All: 127.928+/-0.972 χ^2/NDF: 2062.0/85

- sign 128.430+/-1.392 χ^2/NDF: 959.4/43

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -241.316+/-0.149 χ^2/NDF: 136094.9/16

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -235.024+/-0.139 χ^2/NDF: 94296.1/20

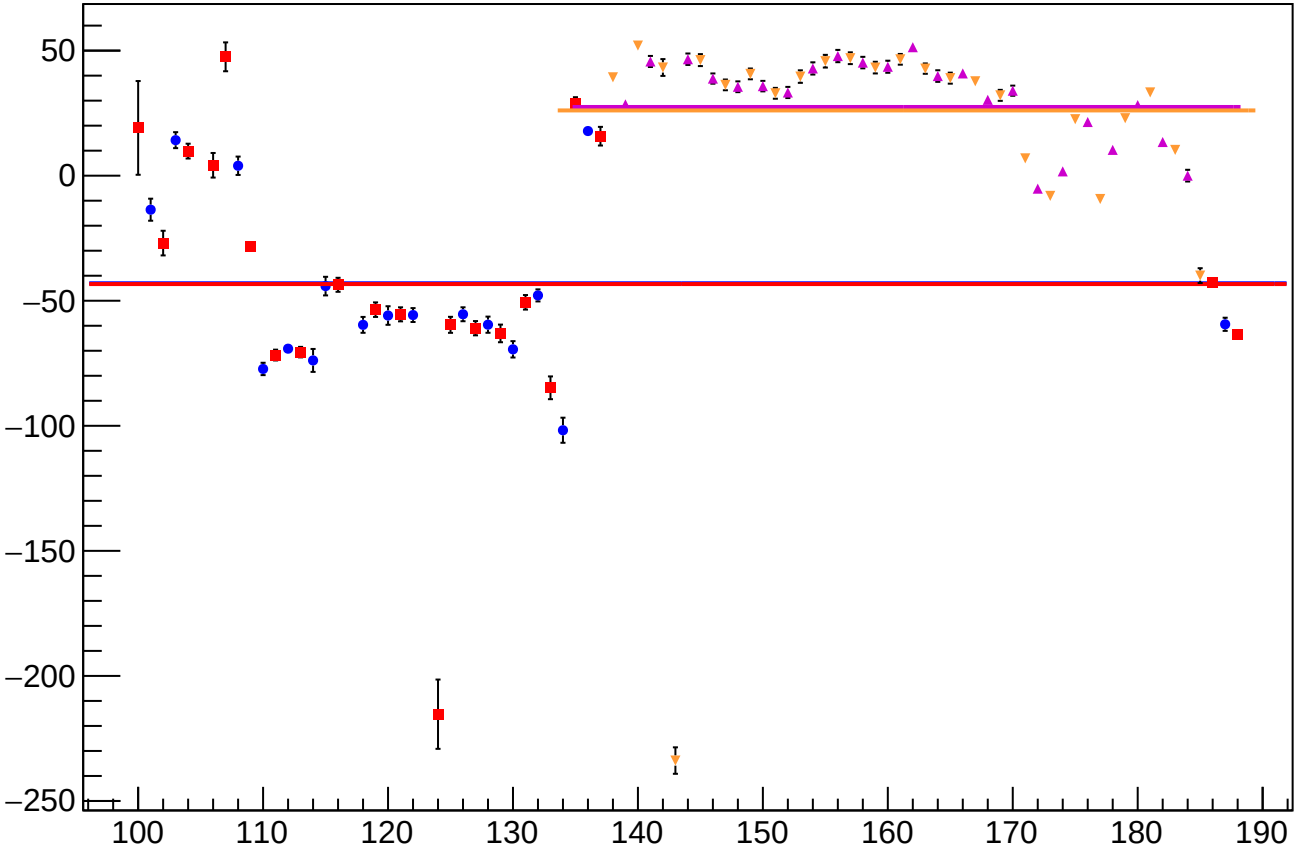
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -249.470+/-0.067 χ^2/NDF: 394752.3/41

All: -252.234+/-0.048 χ^2/NDF: 589646.5/85

- sign -255.097+/-0.068 χ^2/NDF: 191400.5/43

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -43.026+/-0.697 χ^2/NDF: 2447.2/16

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -43.335+/-0.580 χ^2/NDF: 2693.8/20

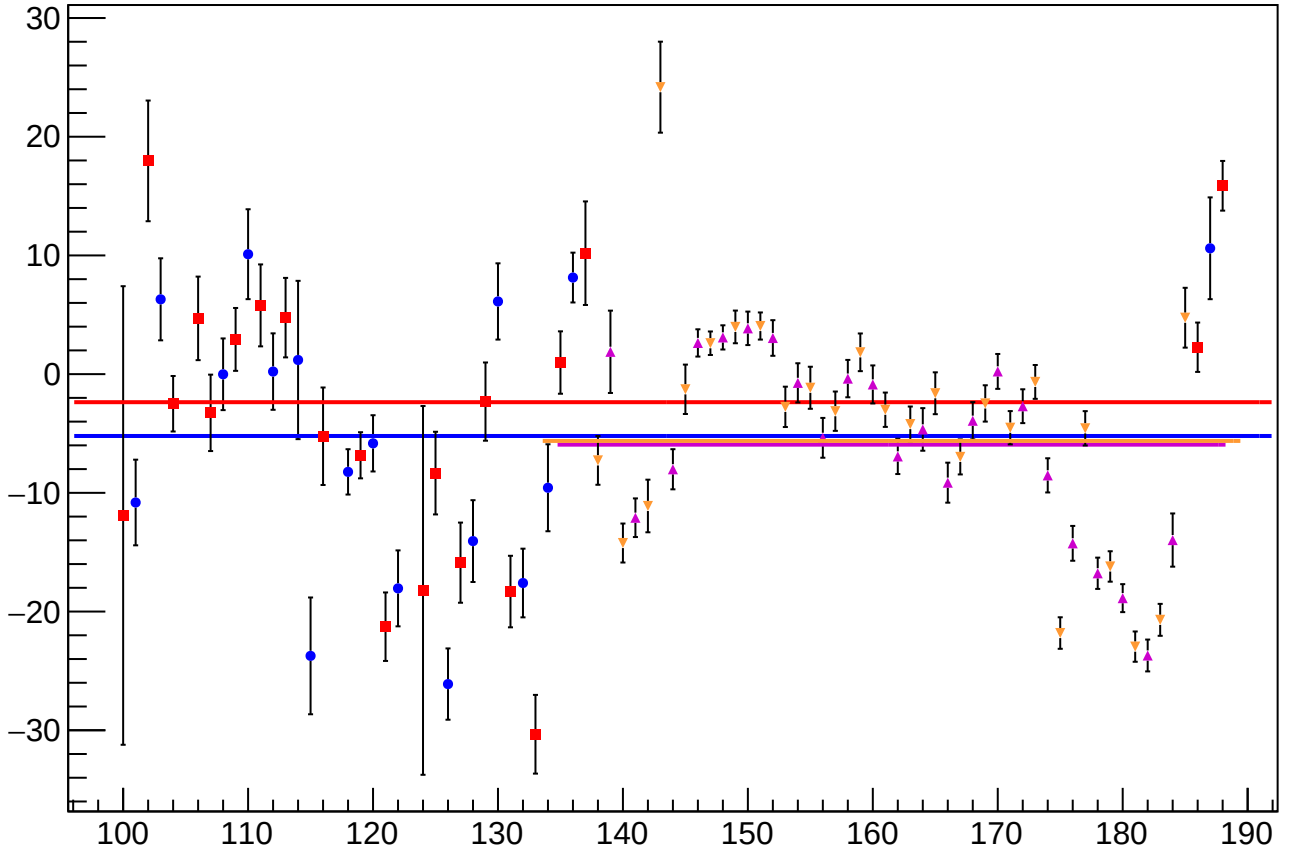
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 9.637+/-0.340 χ^2/NDF: 14718.8/41

All: 7.219+/-0.236 χ^2/NDF: 29280.2/85

- sign 4.984+/-0.327 χ^2/NDF: 14464.1/43

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.210+/-0.742 χ^2/NDF: 210.7/16

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -2.363+/-0.661 χ^2/NDF: 293.1/20

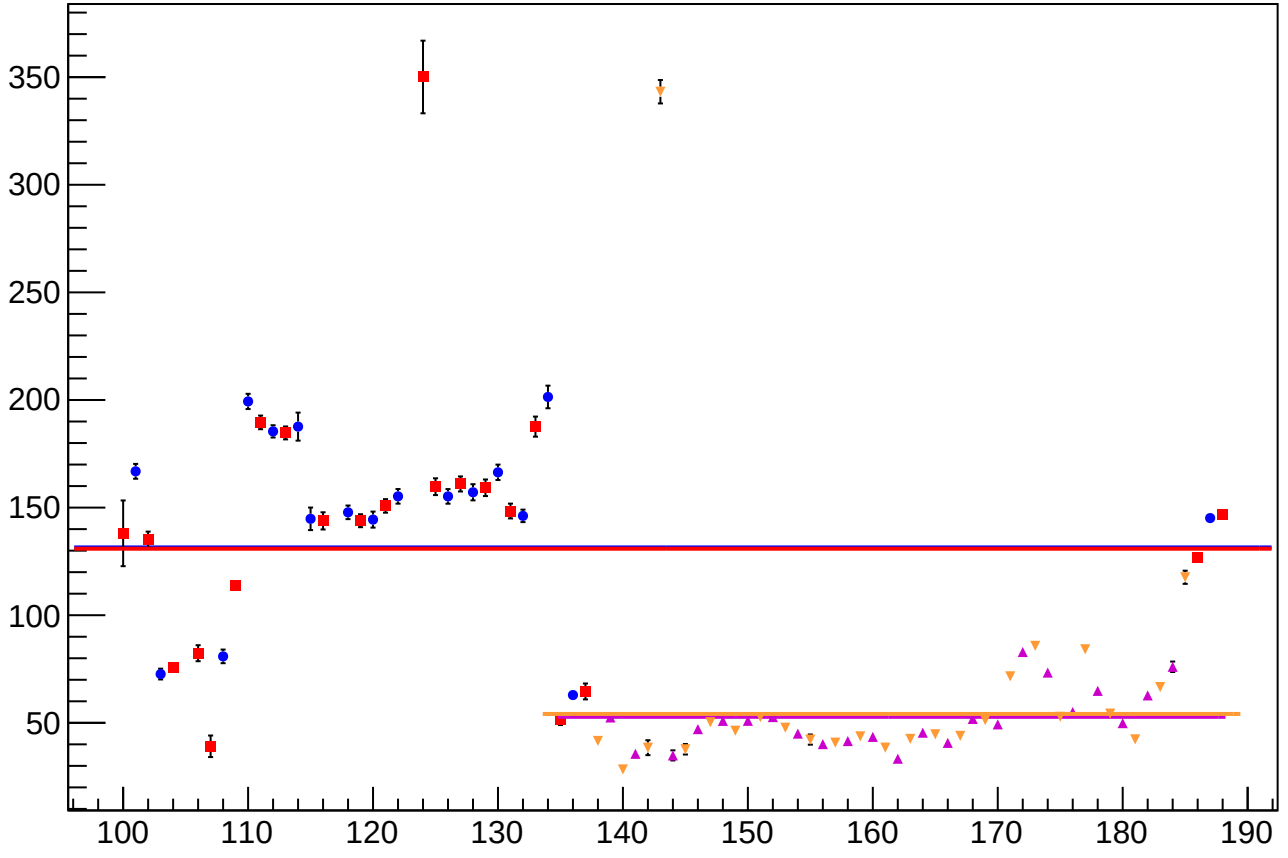
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.566+/-0.280 χ^2/NDF: 1104.3/41

All: -5.433+/-0.198 χ^2/NDF: 2134.1/85

- sign -5.299+/-0.280 χ^2/NDF: 1029.4/43

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 131.493+/-0.751 χ^2/NDF: 3669.7/16

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 130.903+/-0.592 χ^2/NDF: 3736.0/20

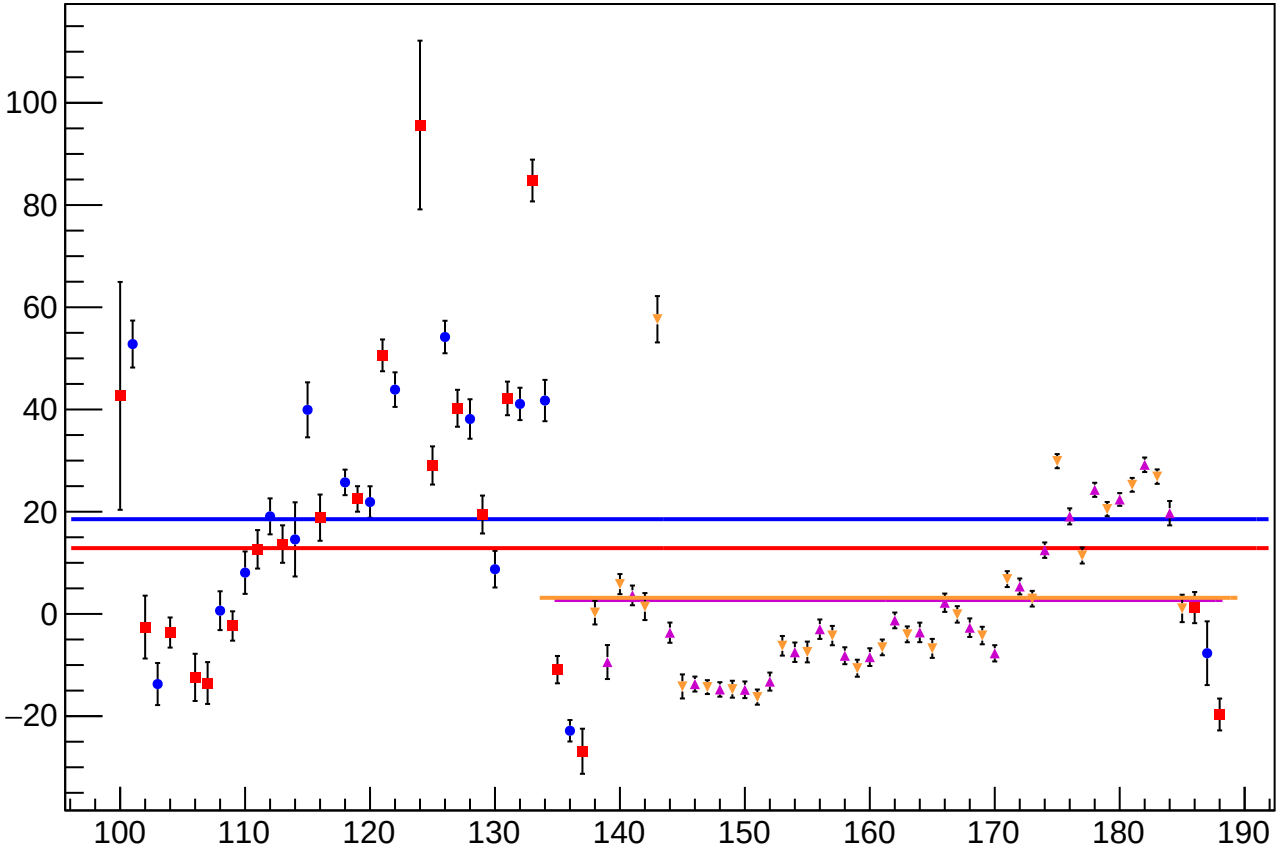
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 70.384+/-0.344 χ^2/NDF: 16649.7/41

All: 73.666+/-0.237 χ^2/NDF: 33615.8/85

- sign 76.633+/-0.327 χ^2/NDF: 16793.0/43

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 18.537+/-0.852 χ^2/NDF: 876.1/16

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 12.876+/-0.789 χ^2/NDF: 1080.1/20

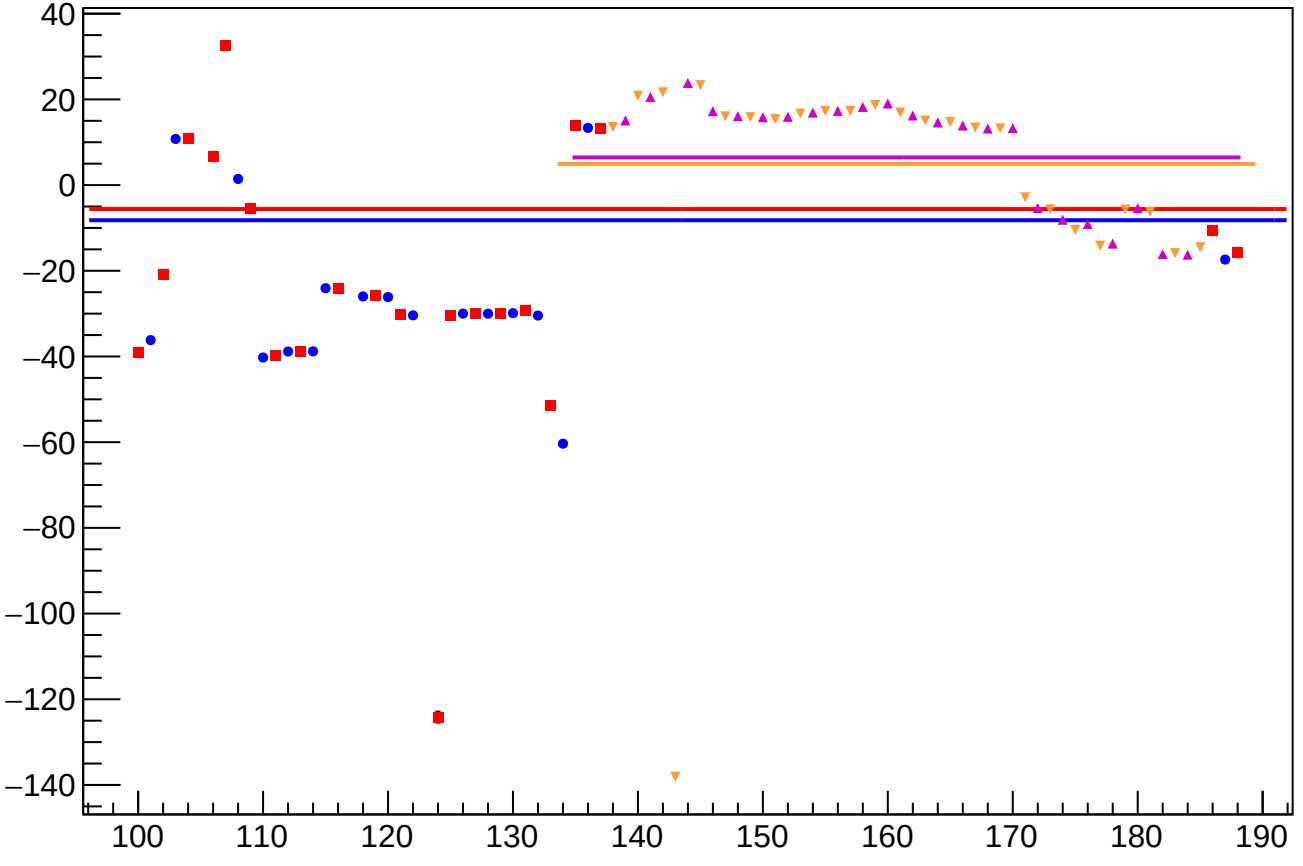
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

\+ sign 5.267+/-0.316 χ^2/NDF: 3169.8/41

All: 4.820+/-0.224 χ^2/NDF: 6128.1/85

\- sign 4.367+/-0.317 χ^2/NDF: 2954.3/43

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.199+/-0.045 χ^2/NDF: 268603.2/16

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -5.591+/-0.044 χ^2/NDF: 233648.1/20

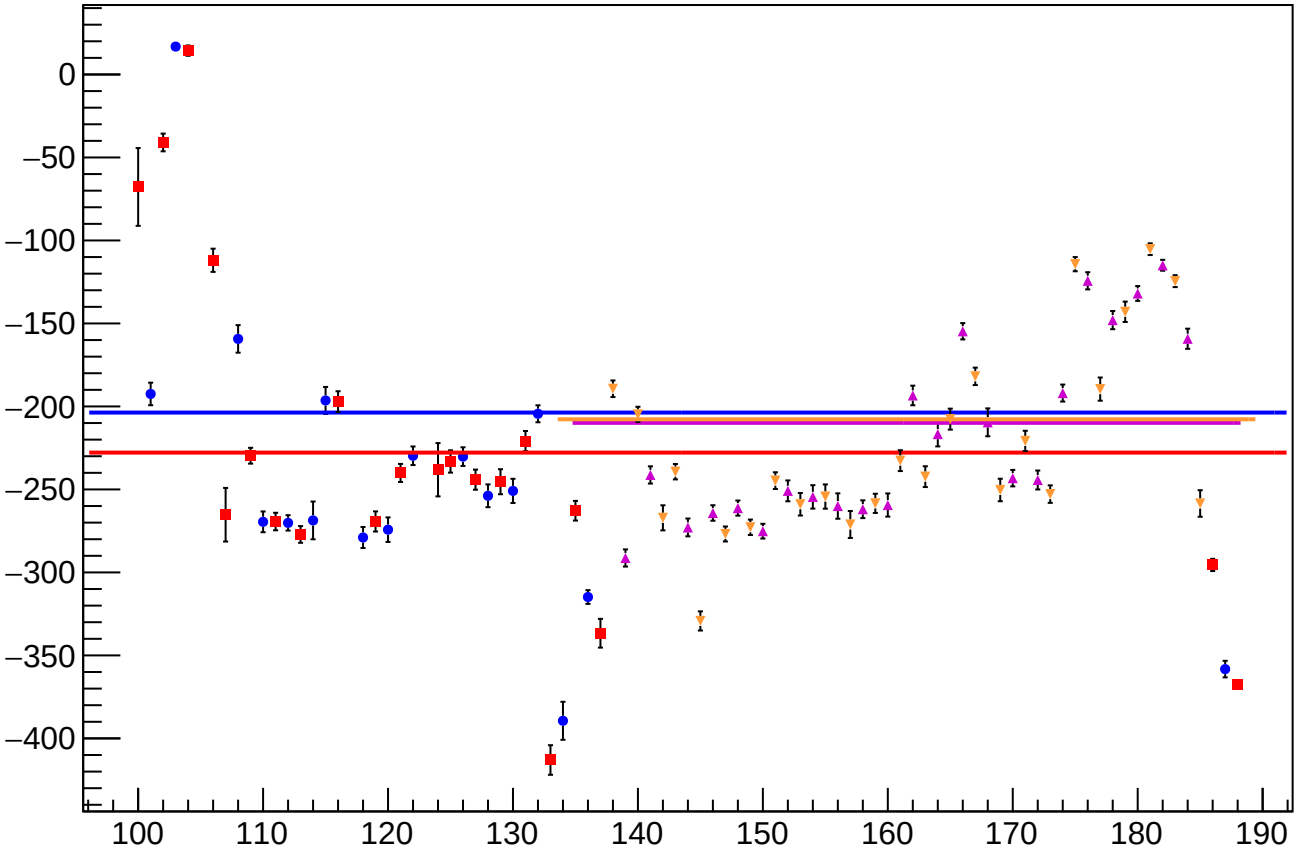
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 3.620+/-0.014 χ^2/NDF: 1480391.2/41

All: 4.375+/-0.010 χ^2/NDF: 2516197.9/85

- sign 5.135+/-0.014 χ^2/NDF: 1030308.7/43

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -203.687+/-1.365 χ^2/NDF: 8259.0/16

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -227.814+/-1.166 χ^2/NDF: 11577.5/20

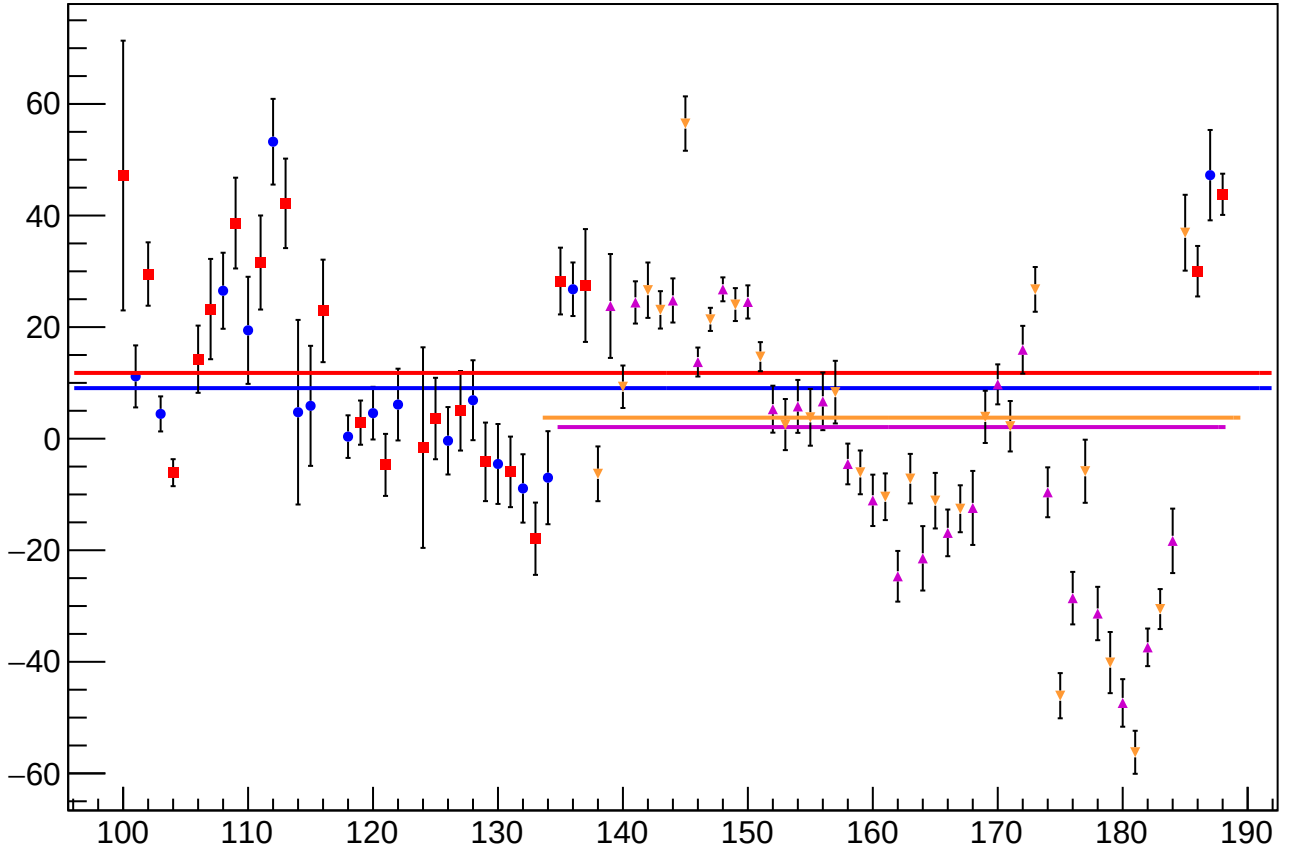
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -206.200+/-0.842 χ^2/NDF: 11751.7/41

All: -212.573+/-0.580 χ^2/NDF: 26575.3/85

- sign -218.335+/-0.800 χ^2/NDF: 14714.5/43

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.062+/-1.416 χ^2/NDF: 103.8/16

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 11.787+/-1.225 χ^2/NDF: 252.5/20

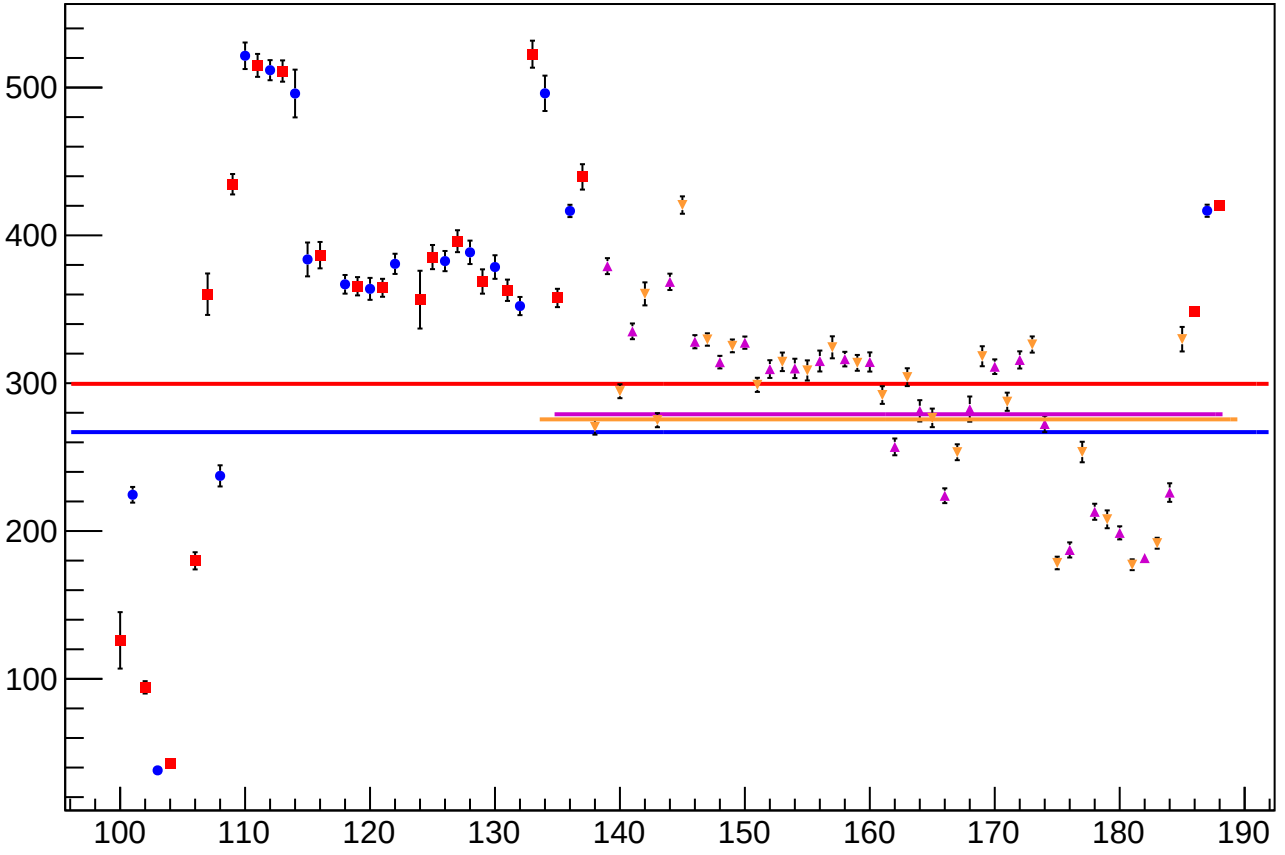
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

\+ sign 5.020+/-0.688 χ^2/NDF: 1086.6/41

All: 5.052+/-0.484 χ^2/NDF: 2152.7/85

\- sign 5.083+/-0.681 χ^2/NDF: 1066.1/43

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 266.911+/-1.343 χ^2/NDF: 16794.1/16

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 299.567+/-1.093 χ^2/NDF: 21049.6/20

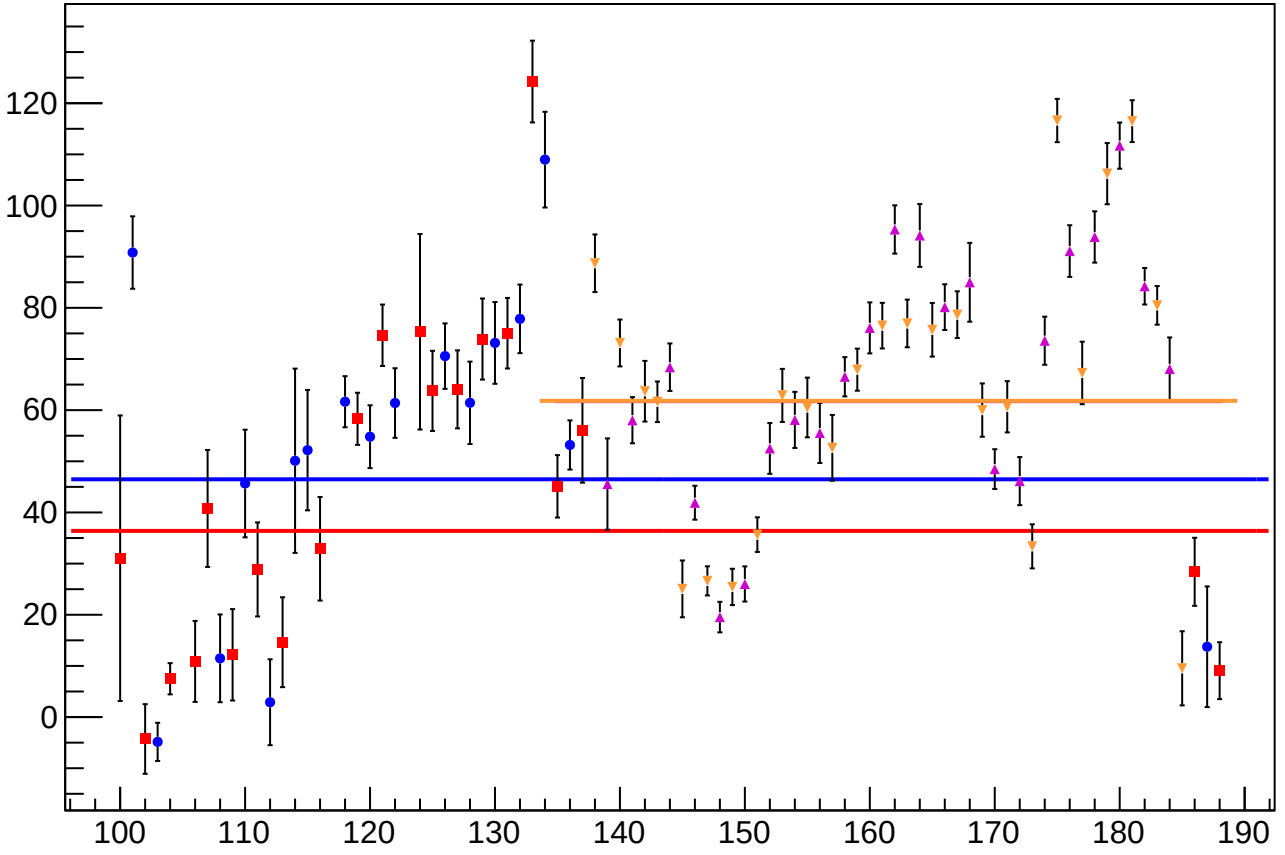
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 272.218+/-0.833 χ^2/NDF: 20142.6/41

All: 281.384+/-0.566 χ^2/NDF: 44709.6/85

- sign 289.241+/-0.771 χ^2/NDF: 24342.2/43

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 46.482+/-1.651 χ^2/NDF: 393.2/16

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 36.397+/-1.495 χ^2/NDF: 444.9/20

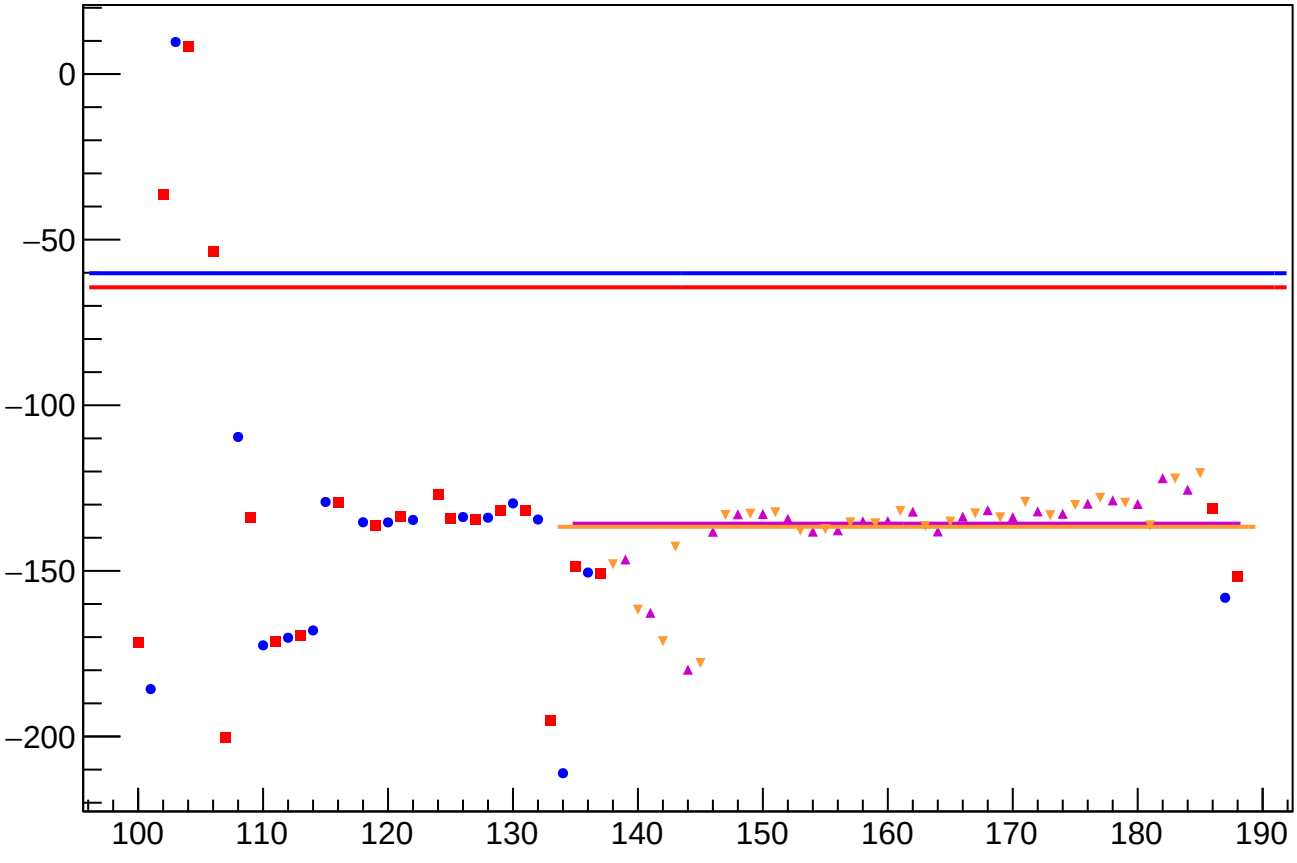
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 58.260+/-0.795 χ^2/NDF: 1418.9/41

All: 56.424+/-0.562 χ^2/NDF: 2817.0/85

- sign 54.590+/-0.795 χ^2/NDF: 1387.4/43

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -60.141+/-0.072 χ^2/NDF: 1249377.8/16

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -64.393+/-0.071 χ^2/NDF: 983121.6/20

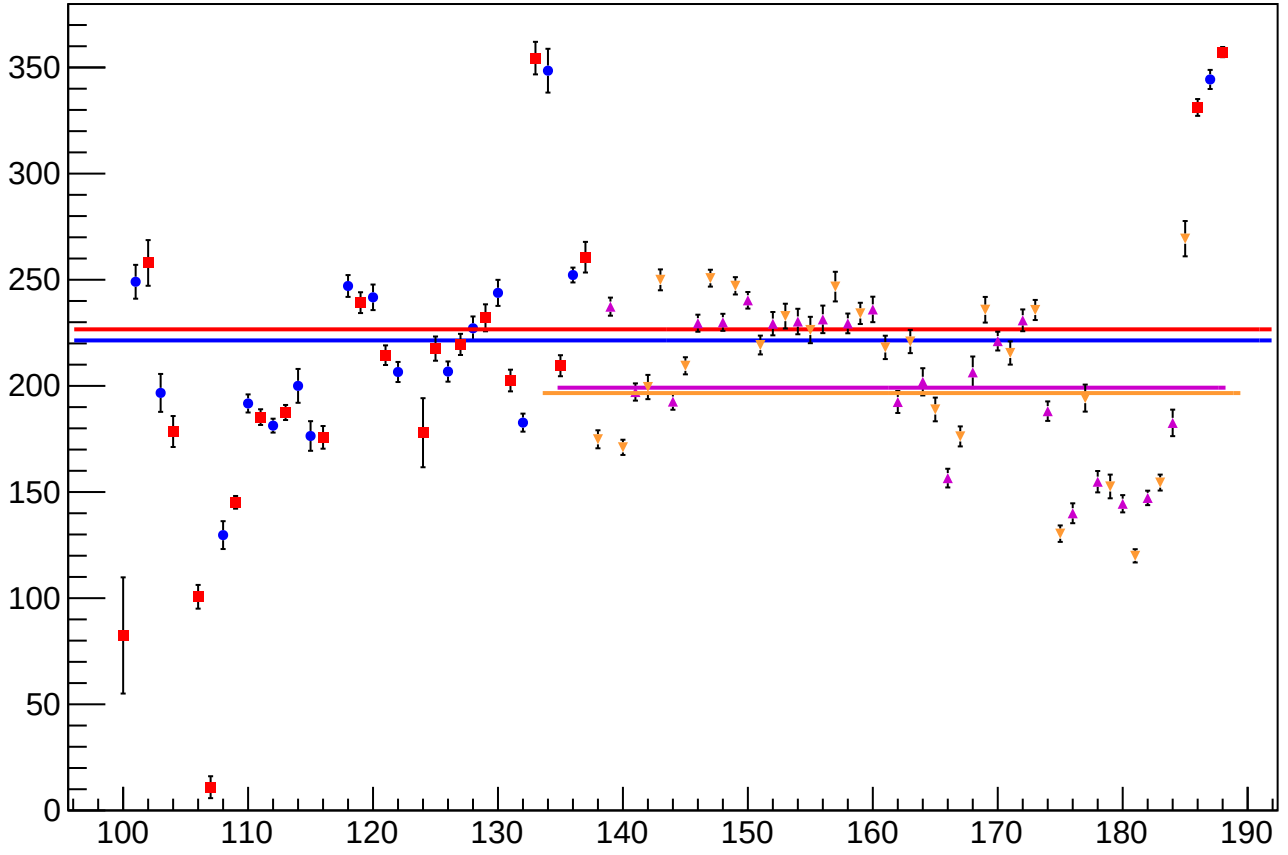
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -117.158+/-0.036 χ^2/NDF: 2166366.3/41

All: -117.002+/-0.026 χ^2/NDF: 3949281.0/85

- sign -116.844+/-0.037 χ^2/NDF: 1782877.9/43

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 221.419+/-1.245 χ^2/NDF: 1592.7/16

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 226.640+/-1.031 χ^2/NDF: 7456.6/20

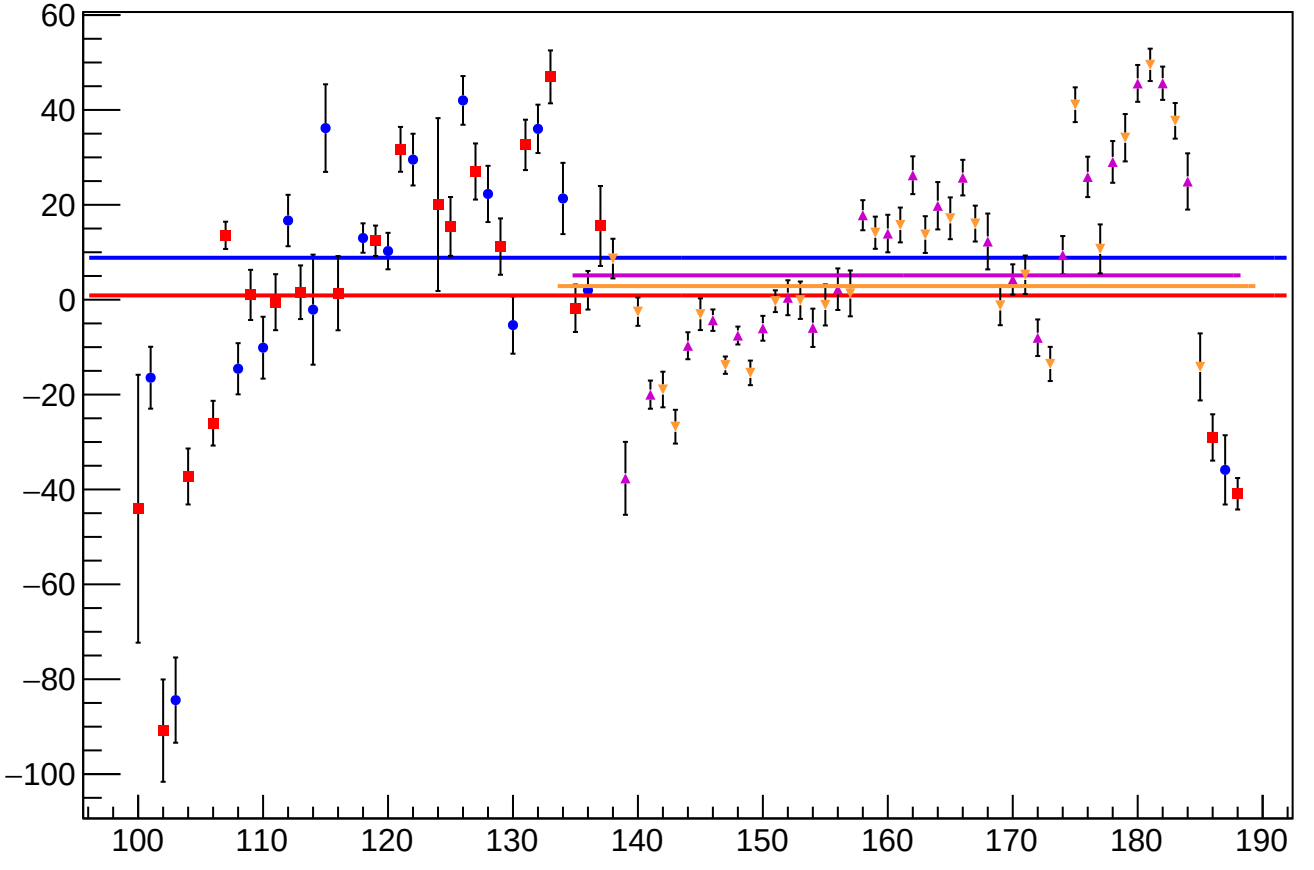
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 205.698+/-0.753 χ^2/NDF: 3919.7/41

All: 209.096+/-0.516 χ^2/NDF: 13085.1/85

- sign 212.094+/-0.708 χ^2/NDF: 9127.1/43

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 8.839+/-1.311 χ^2/NDF: 302.0/16

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: 0.899+/-1.118 χ^2/NDF: 557.1/20

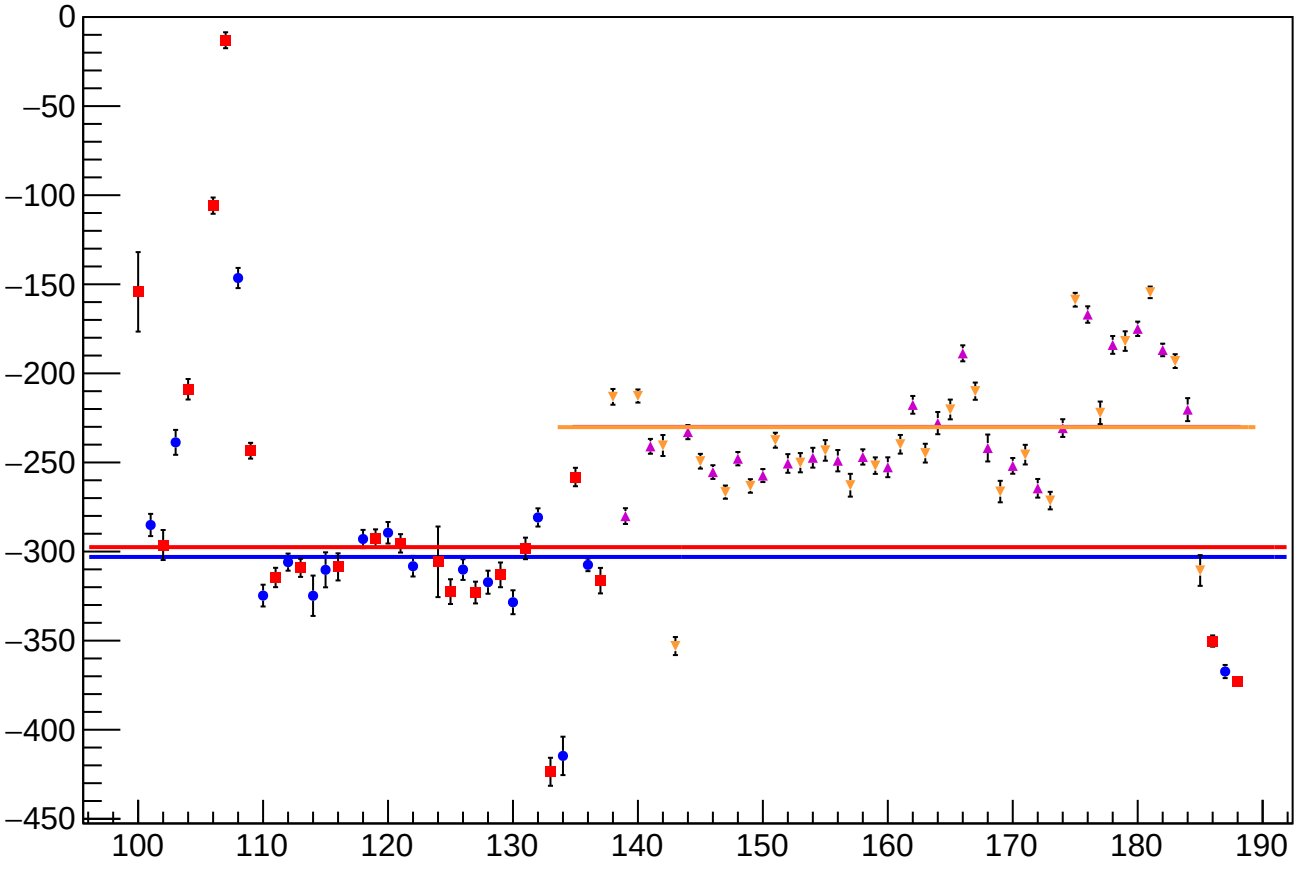
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 4.174+/-0.613 χ^2/NDF: 1071.0/41

All: 4.031+/-0.430 χ^2/NDF: 2266.9/85

- sign 3.892+/-0.604 χ^2/NDF: 1195.8/43

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -303.026+/-1.364 χ^2/NDF: 1334.6/16

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -297.516+/-1.051 χ^2/NDF: 8415.5/20

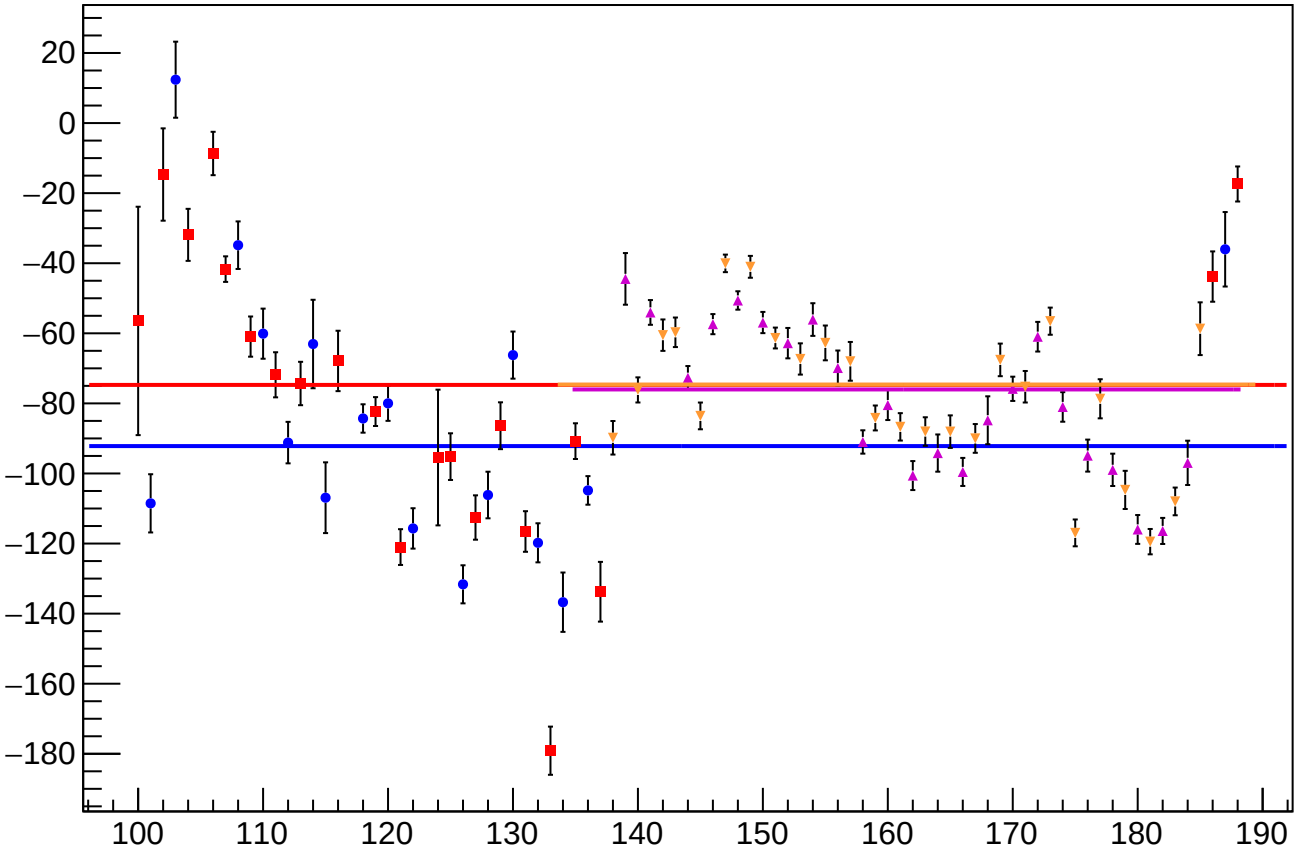
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -253.609+/-0.773 χ^2/NDF: 5452.0/41

All: -257.500+/-0.523 χ^2/NDF: 17252.8/85

- sign -260.771+/-0.709 χ^2/NDF: 11754.3/43

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -92.186+/-1.519 χ^2/NDF: 383.8/16

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -74.727+/-1.345 χ^2/NDF: 882.3/20

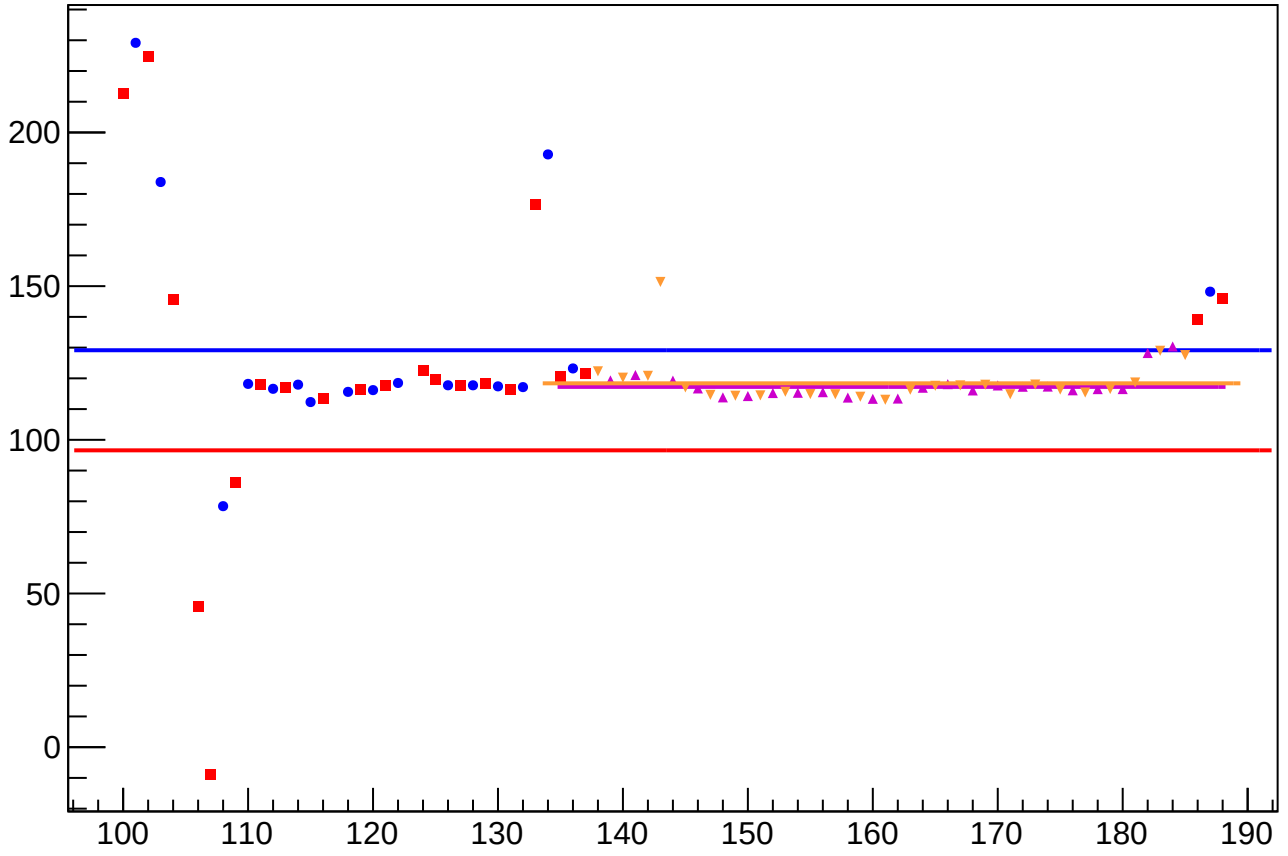
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -78.460+/-0.708 χ^2/NDF: 1319.3/41

All: -77.055+/-0.499 χ^2/NDF: 2856.1/85

- sign -75.671+/-0.703 χ^2/NDF: 1529.0/43

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 129.145+/-0.088 χ^2/NDF: 184577.7/16

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 96.578+/-0.075 χ^2/NDF: 649272.8/20

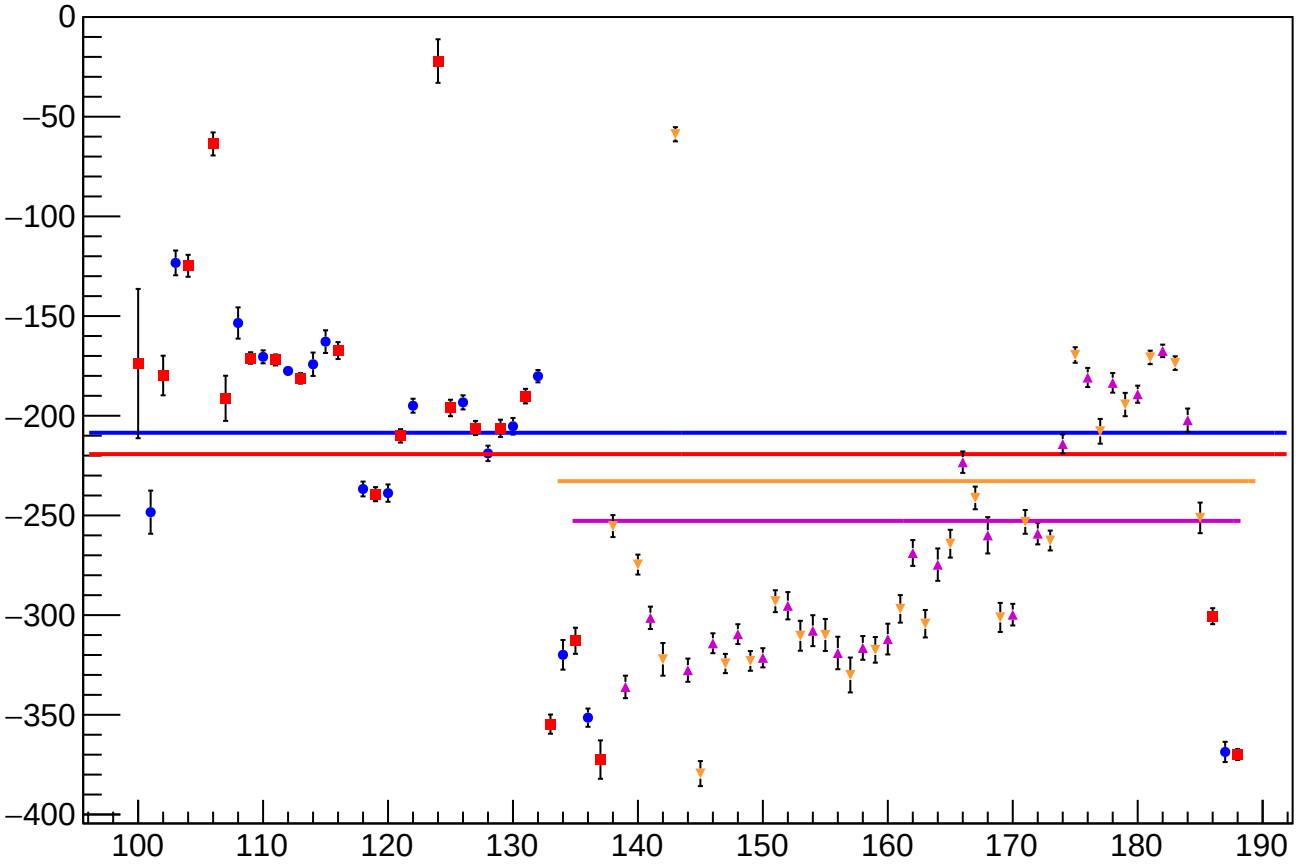
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 120.015+/-0.034 χ^2/NDF: 232163.7/41

All: 116.479+/-0.024 χ^2/NDF: 972879.2/85

- sign 113.087+/-0.034 χ^2/NDF: 719931.0/43

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -208.530+/-1.004 χ^2/NDF: 3074.6/16

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -219.249+/-0.894 χ^2/NDF: 7155.9/20

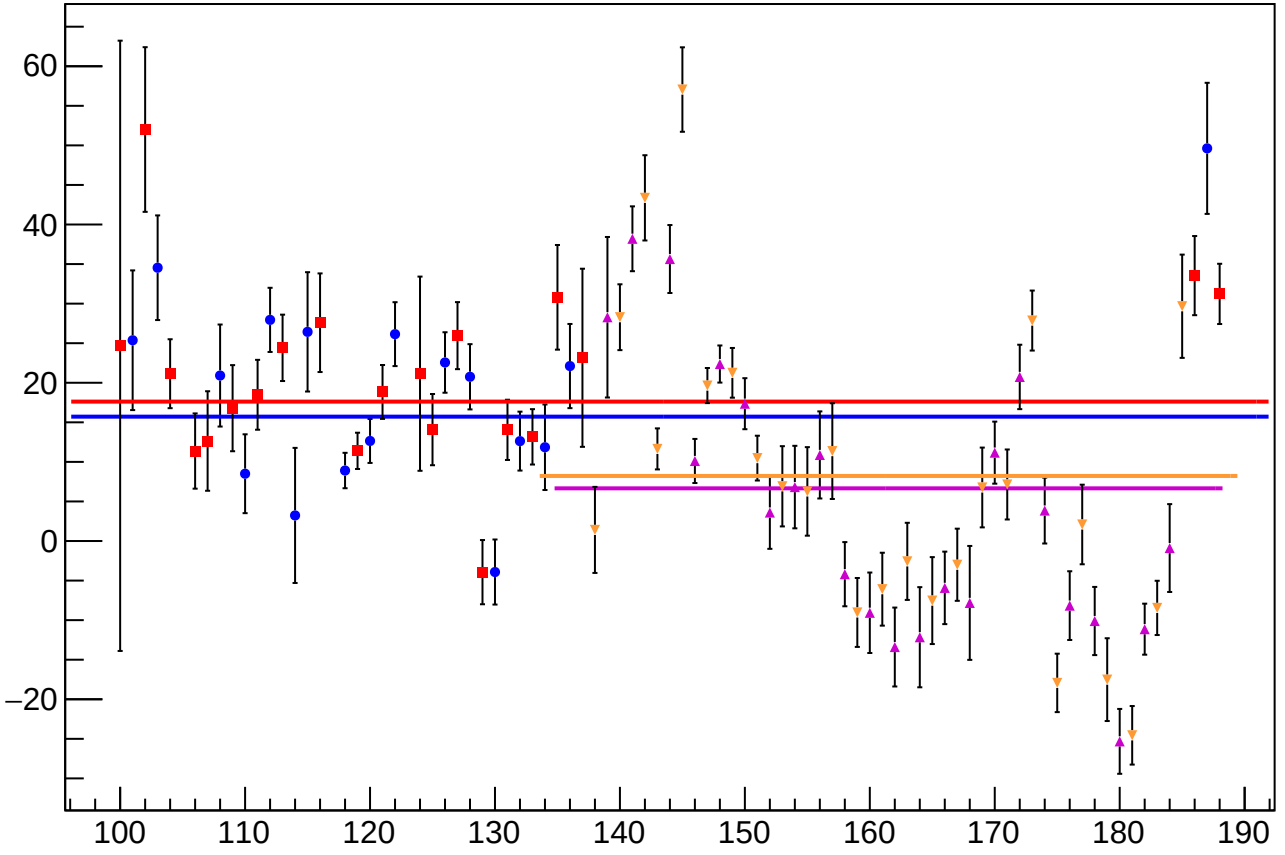
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -219.869+/-0.733 χ^2/NDF: 9111.7/41

All: -226.271+/-0.507 χ^2/NDF: 19867.3/85

- sign -232.139+/-0.702 χ^2/NDF: 10609.4/43

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.718+/-1.039 χ^2/NDF: 89.4/16

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 17.619+/-0.981 χ^2/NDF: 89.1/20

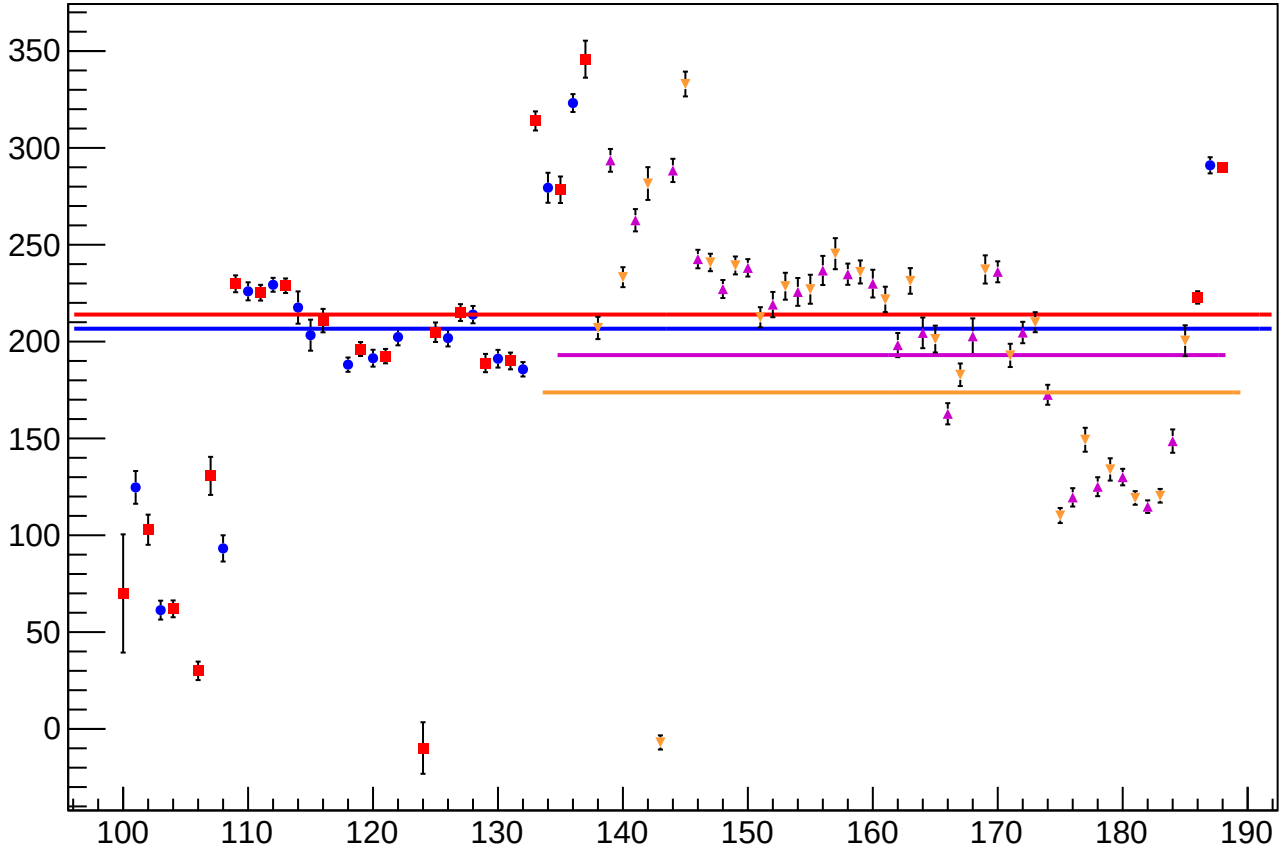
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

\+ sign 11.023+/-0.635 χ^2/NDF: 579.8/41

All: 11.213+/-0.453 χ^2/NDF: 1094.7/85

\- sign 11.410+/-0.646 χ^2/NDF: 514.7/43

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 206.649+/-1.149 χ^2/NDF: 2544.0/16

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 213.961+/-0.972 χ^2/NDF: 5328.3/20

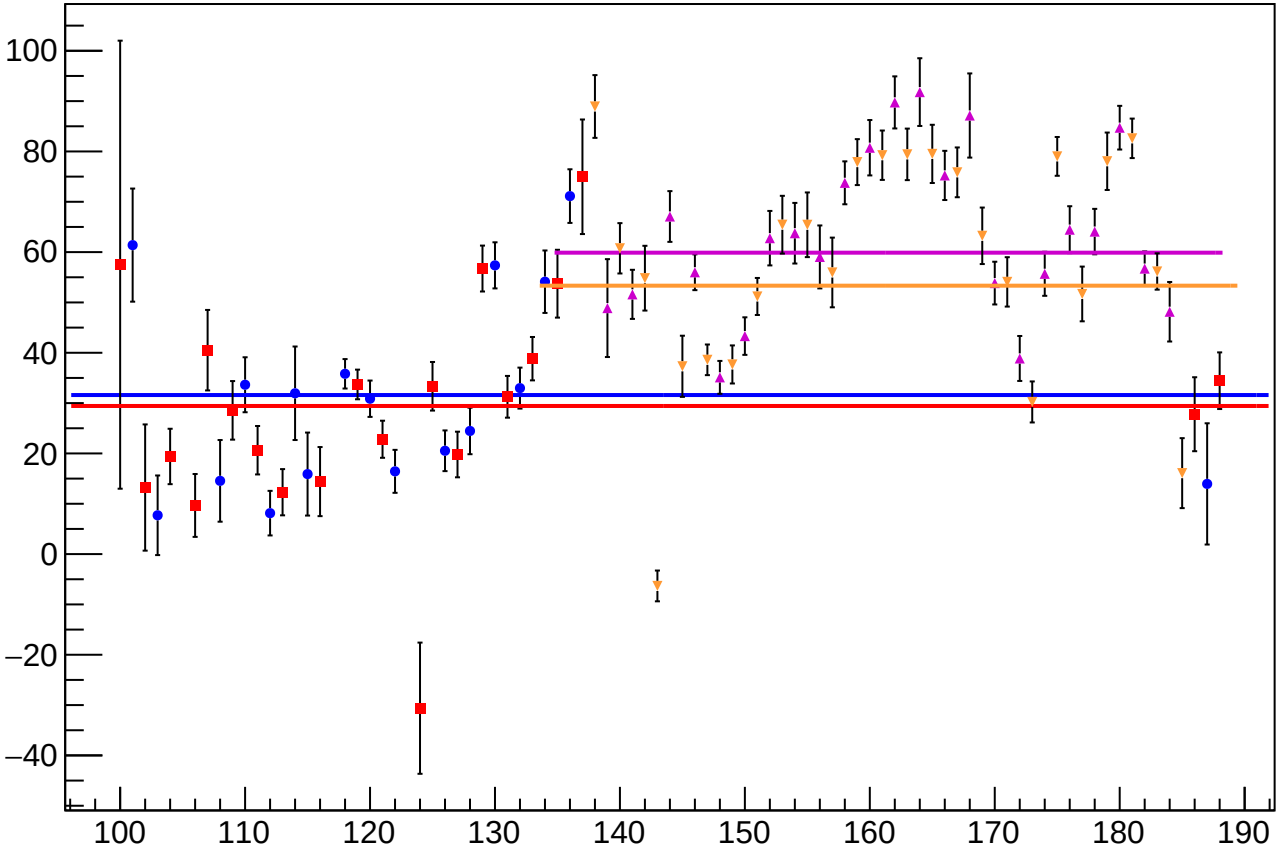
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 189.002+/-0.783 χ^2/NDF: 8244.0/41

All: 197.500+/-0.536 χ^2/NDF: 16505.0/85

- sign 204.986+/-0.735 χ^2/NDF: 8039.2/43

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.602+/-1.210 χ^2/NDF: 179.2/16

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 29.428+/-1.156 χ^2/NDF: 141.8/20

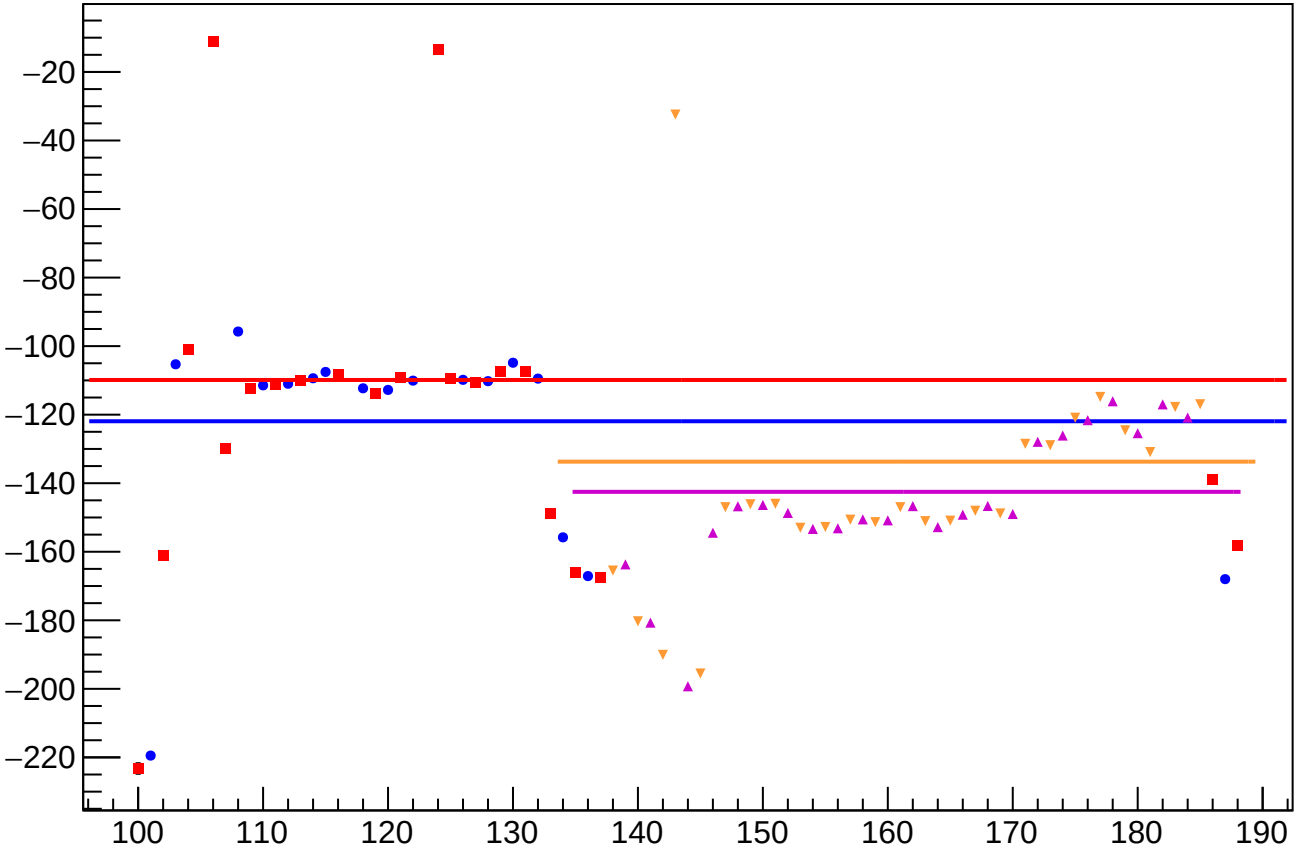
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 45.356+/-0.733 χ^2/NDF: 1162.1/41

All: 46.260+/-0.523 χ^2/NDF: 1963.2/85

- sign 47.197+/-0.746 χ^2/NDF: 798.0/43

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.921+/-0.079 χ^2/NDF: 124256.4/16

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -109.877+/-0.071 χ^2/NDF: 392648.3/20

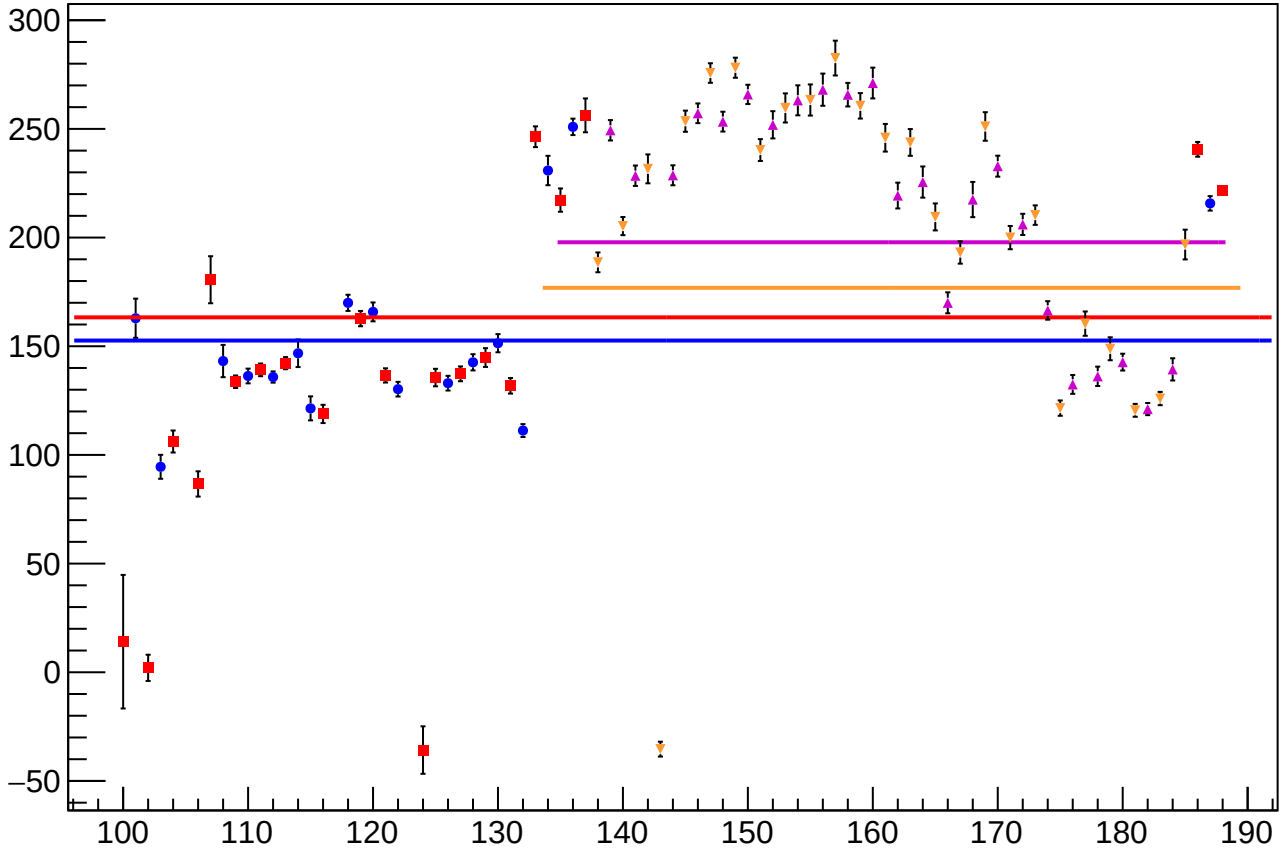
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -131.014+/-0.038 χ^2/NDF: 817502.9/41

All: -132.206+/-0.027 χ^2/NDF: 1541439.4/85

- sign -133.405+/-0.038 χ^2/NDF: 721920.9/43

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 152.621+/-0.961 χ^2/NDF: 1692.8/16

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 163.290+/-0.820 χ^2/NDF: 4125.2/20

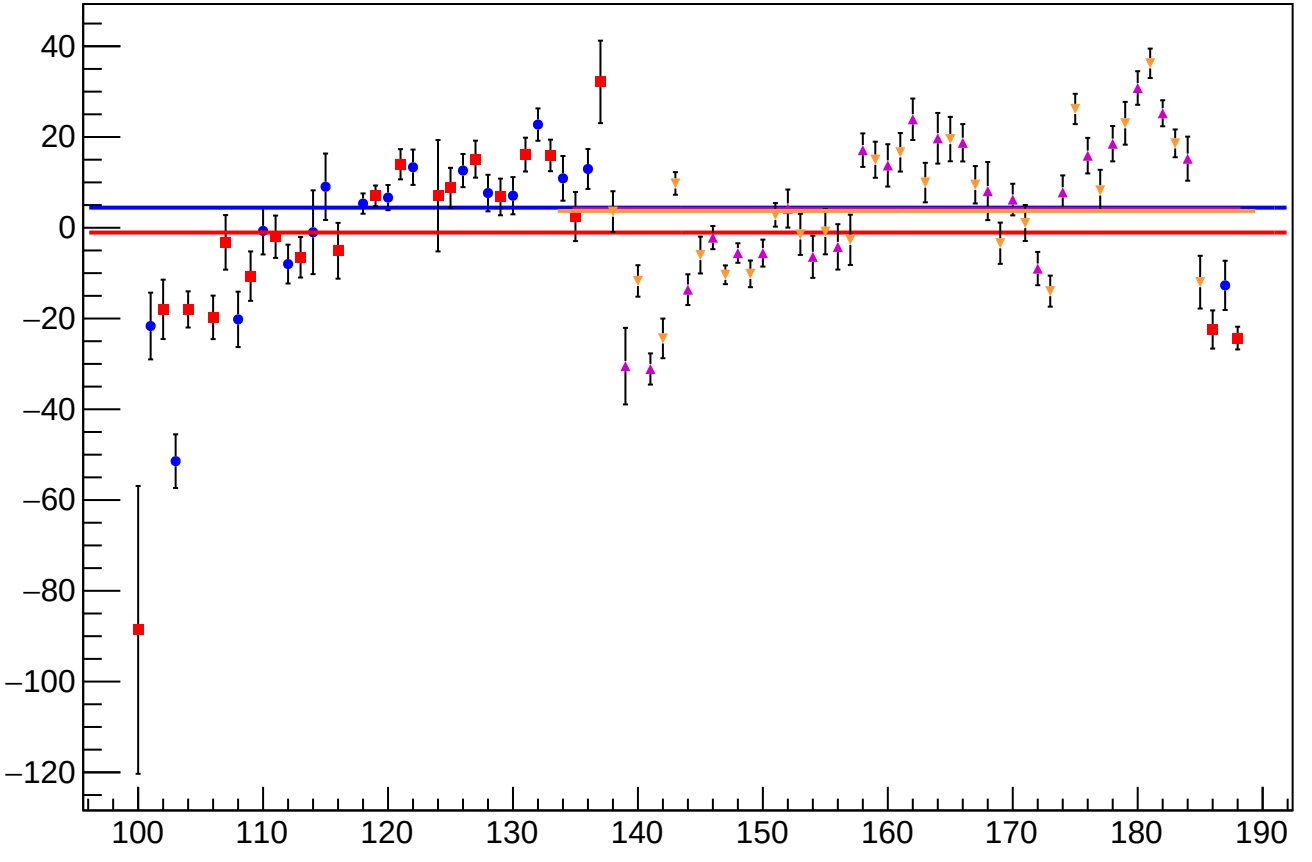
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 164.793+/-0.678 χ^2/NDF: 9437.5/41

All: 171.333+/-0.464 χ^2/NDF: 17413.3/85

- sign 177.079+/-0.636 χ^2/NDF: 7801.2/43

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 4.431+/-1.003 χ^2/NDF: 182.2/16

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -1.056+/-0.916 χ^2/NDF: 281.5/20

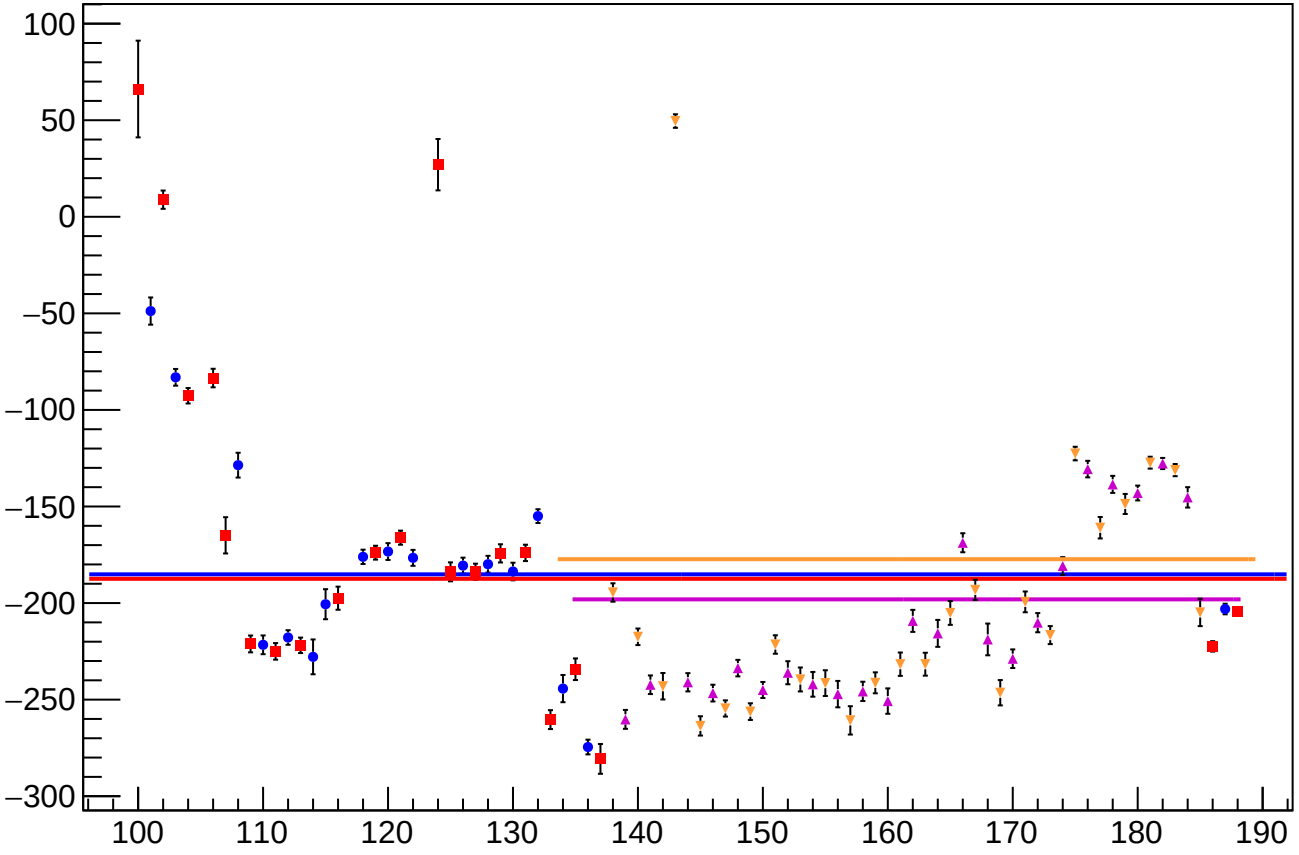
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 3.955+/-0.587 χ^2/NDF: 583.5/41

All: 2.966+/-0.416 χ^2/NDF: 1288.3/85

- sign 1.969+/-0.589 χ^2/NDF: 699.1/43

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -185.134+/-1.063 χ^2/NDF: 1921.0/16

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -187.441+/-0.835 χ^2/NDF: 4150.0/20

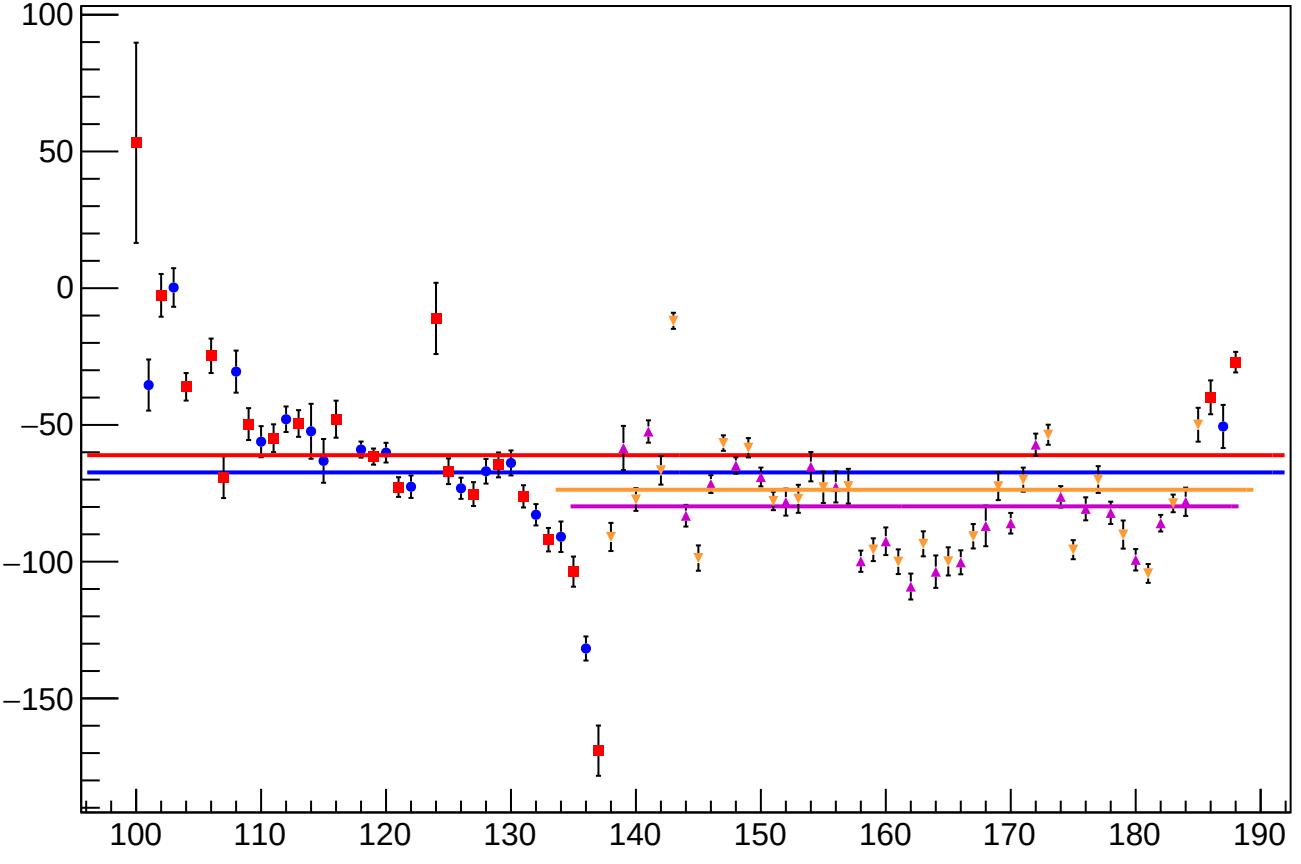
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -180.792+/-0.711 χ^2/NDF: 8991.2/41

All: -186.873+/-0.476 χ^2/NDF: 15726.8/85

- sign -191.817+/-0.641 χ^2/NDF: 6603.0/43

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.370+/-1.168 χ^2/NDF: 418.7/16

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -61.070+/-1.096 χ^2/NDF: 534.8/20

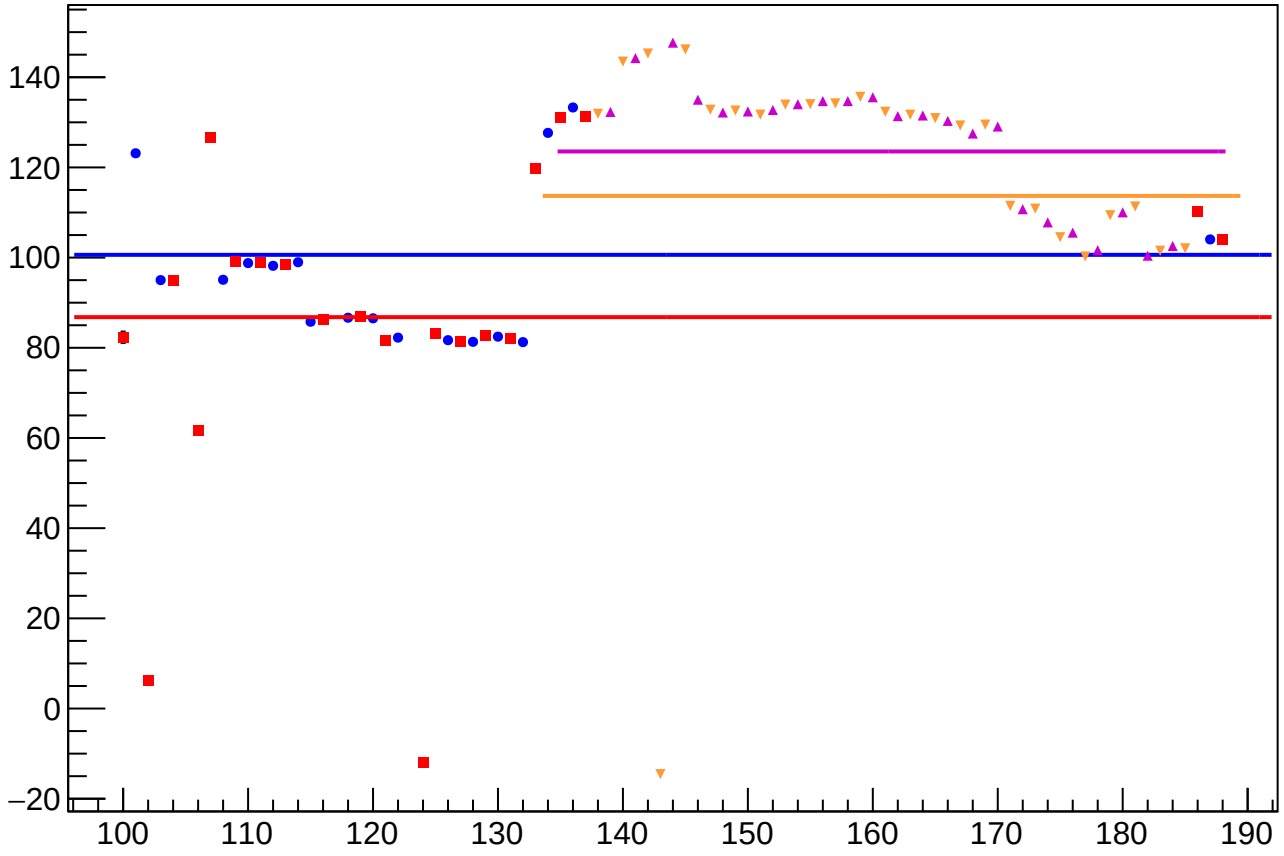
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -71.584+/-0.676 χ^2/NDF: 1277.8/41

All: -72.041+/-0.481 χ^2/NDF: 2268.6/85

- sign -72.509+/-0.683 χ^2/NDF: 989.9/43

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.614+/-0.073 χ^2/NDF: 67527.4/16

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 86.797+/-0.065 χ^2/NDF: 275642.3/20

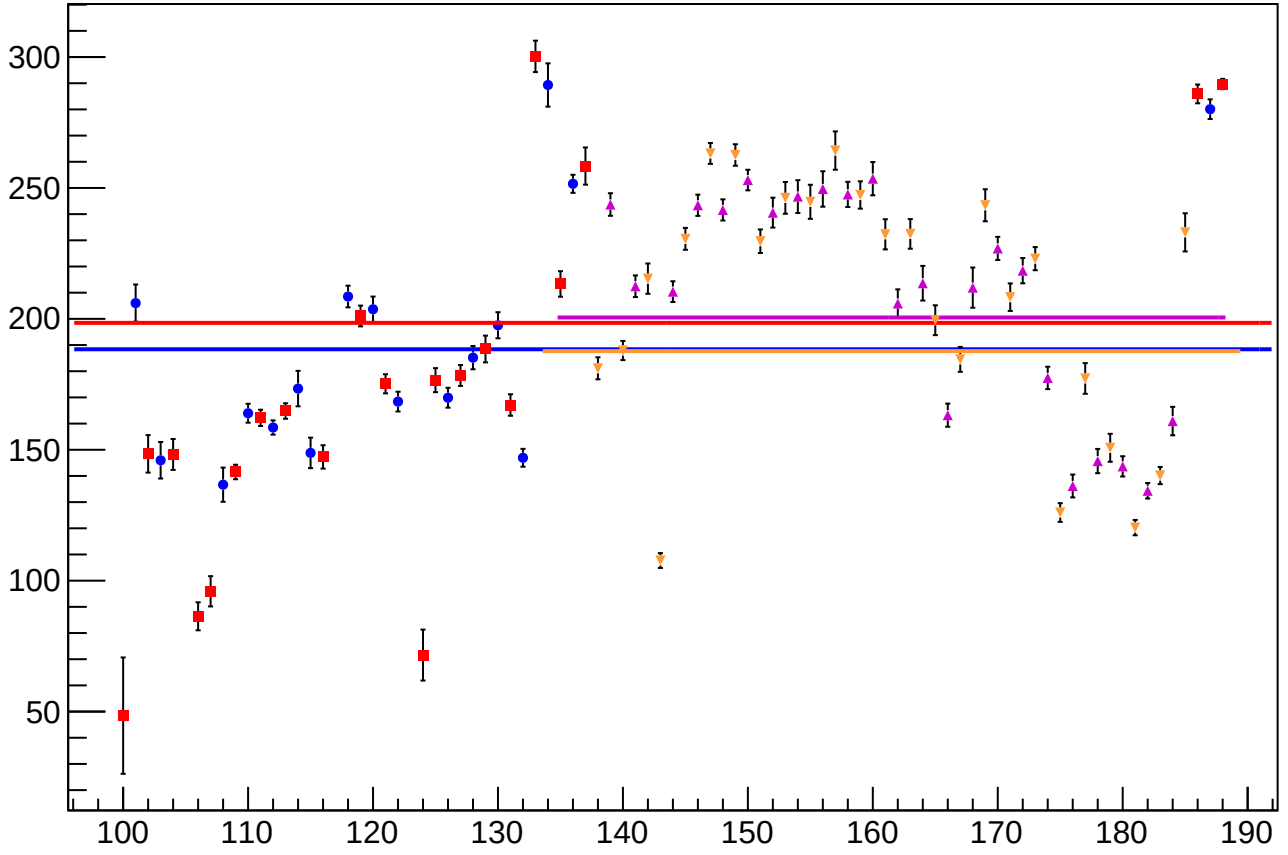
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 110.854+/-0.034 χ^2/NDF: 1055850.9/41

All: 112.184+/-0.024 χ^2/NDF: 1704157.0/85

- sign 113.499+/-0.034 χ^2/NDF: 645255.1/43

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 188.385+/-1.046 χ^2/NDF: 1642.6/16

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

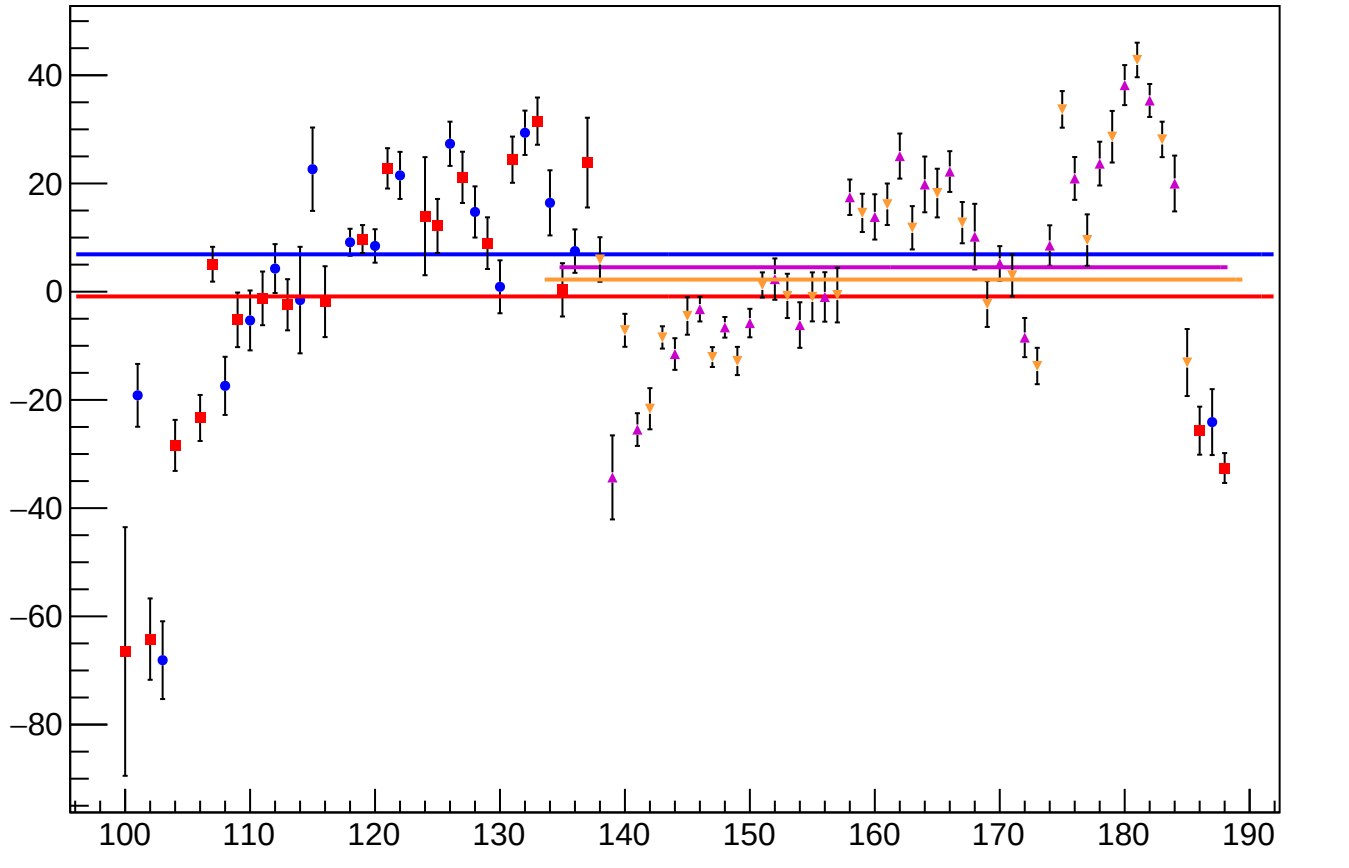
Right Out: 198.477+/-0.879 χ^2/NDF: 5150.3/20

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 187.979+/-0.681 χ^2/NDF: 5171.2/41

All: 193.992+/-0.469 χ^2/NDF: 12583.5/85

- sign 199.415+/-0.647 χ^2/NDF: 7264.2/43



Right In: 6.906+/-1.095 χ^2/NDF: 259.7/16

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -0.880+/-0.967 χ^2/NDF: 499.6/20

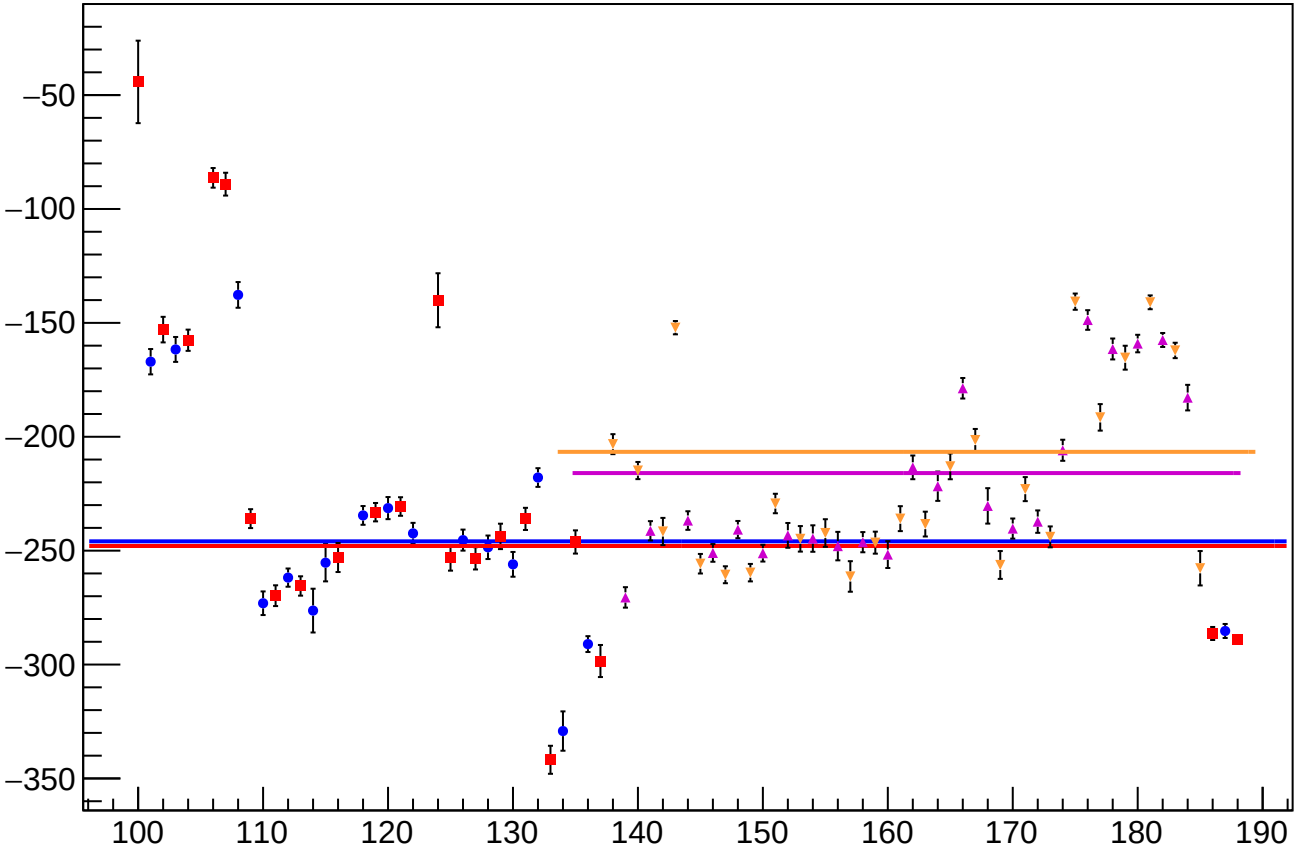
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

\+ sign 3.500+/-0.568 χ^2/NDF: 873.8/41

All: 3.060+/-0.404 χ^2/NDF: 1941.8/85

\- sign 2.610+/-0.575 χ^2/NDF: 1066.8/43

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -245.907+/-1.155 χ^2/NDF: 1352.3/16

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

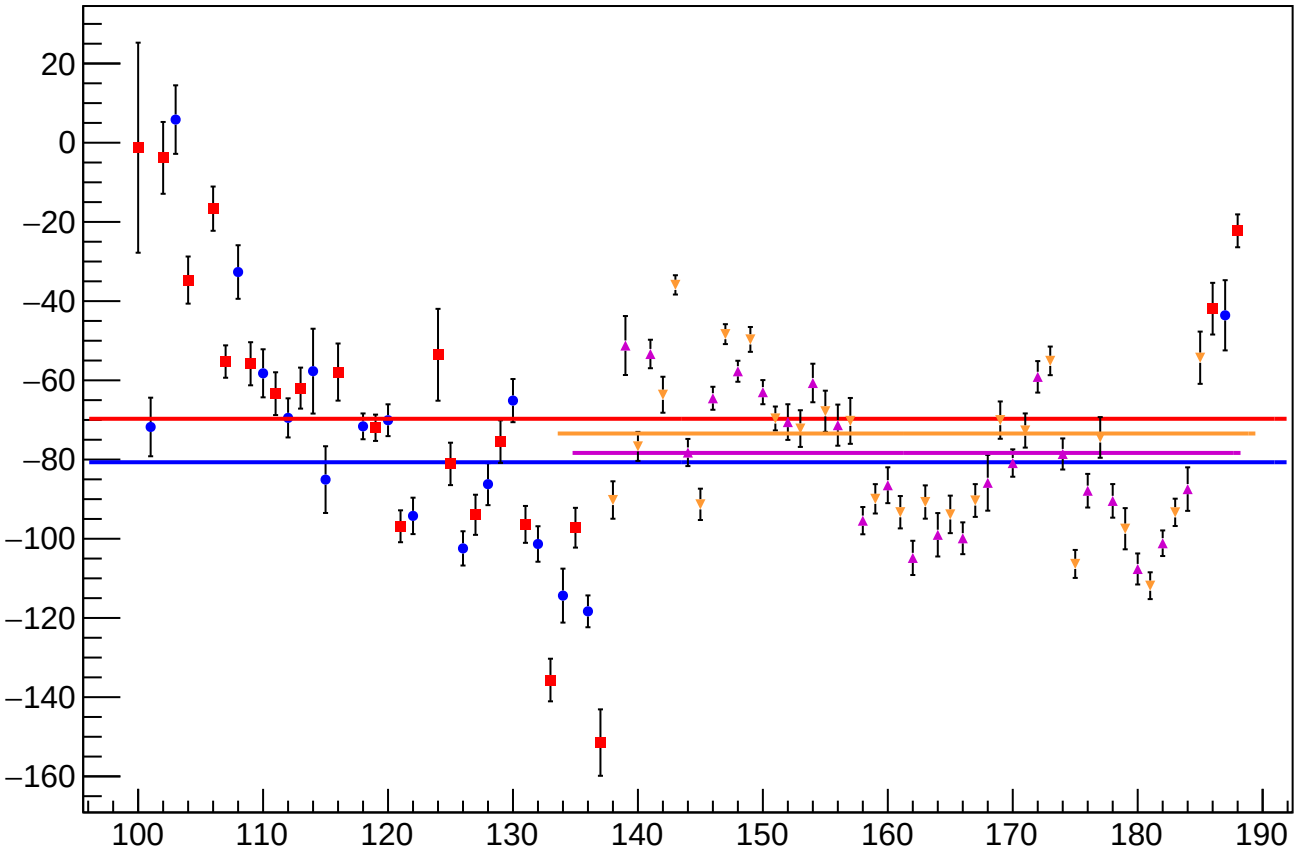
Right Out: -247.949+/-0.898 χ^2/NDF: 4494.4/20

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.359+/-0.707 χ^2/NDF: 4543.7/41

All: -227.543+/-0.479 χ^2/NDF: 11493.8/85

- sign -232.786+/-0.651 χ^2/NDF: 6808.9/43



Right In: -80.680+/-1.273 χ^2/NDF: 384.4/16

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -69.707+/-1.161 χ^2/NDF: 743.0/20

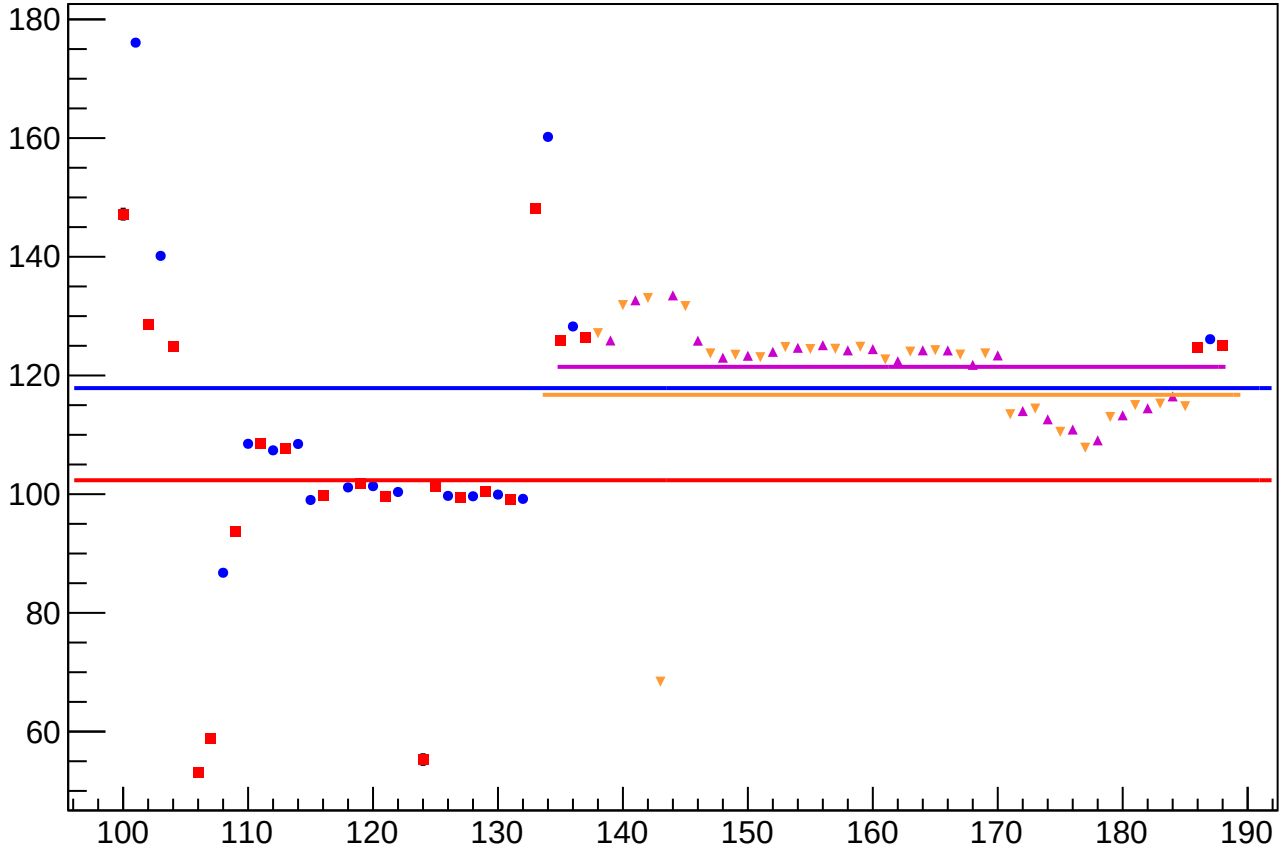
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -75.357+/-0.657 χ^2/NDF: 1244.7/41

All: -75.413+/-0.469 χ^2/NDF: 2467.9/85

\- sign -75.471+/-0.668 χ^2/NDF: 1223.1/43

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 117.873+/-0.077 χ^2/NDF: 95682.3/16

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 102.348+/-0.066 χ^2/NDF: 180303.8/20

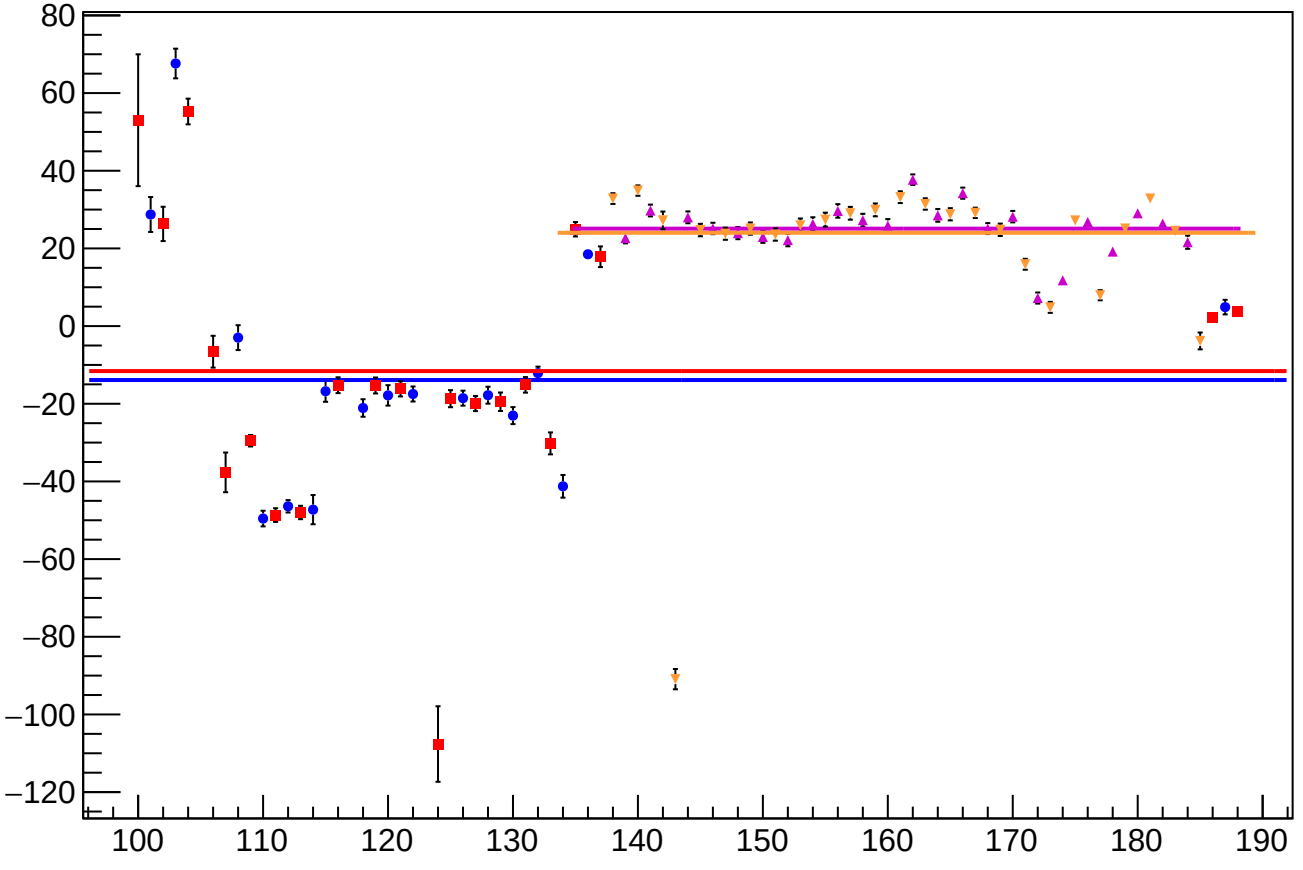
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 116.941+/-0.032 χ^2/NDF: 299509.8/41

All: 116.909+/-0.023 χ^2/NDF: 571598.5/85

- sign 116.877+/-0.032 χ^2/NDF: 272086.7/43

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -13.890+/-0.518 χ^2/NDF: 2232.5/16

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -11.584+/-0.443 χ^2/NDF: 2592.3/20

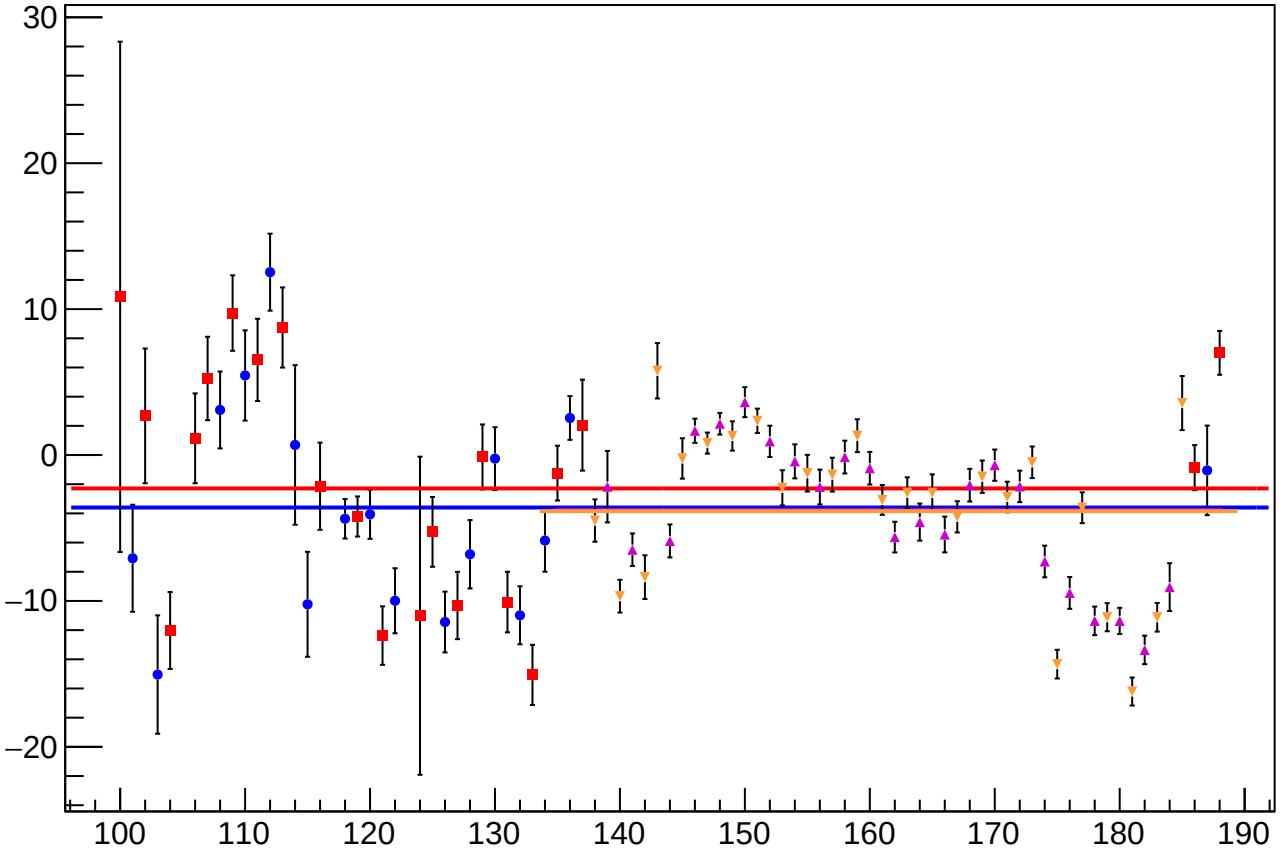
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.359+/-0.248 χ^2/NDF: 9165.9/41

All: 14.784+/-0.173 χ^2/NDF: 17087.1/85

- sign 14.240+/-0.241 χ^2/NDF: 7910.7/43

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.597+/-0.543 χ^2/NDF: 124.7/16

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -2.291+/-0.499 χ^2/NDF: 207.4/20

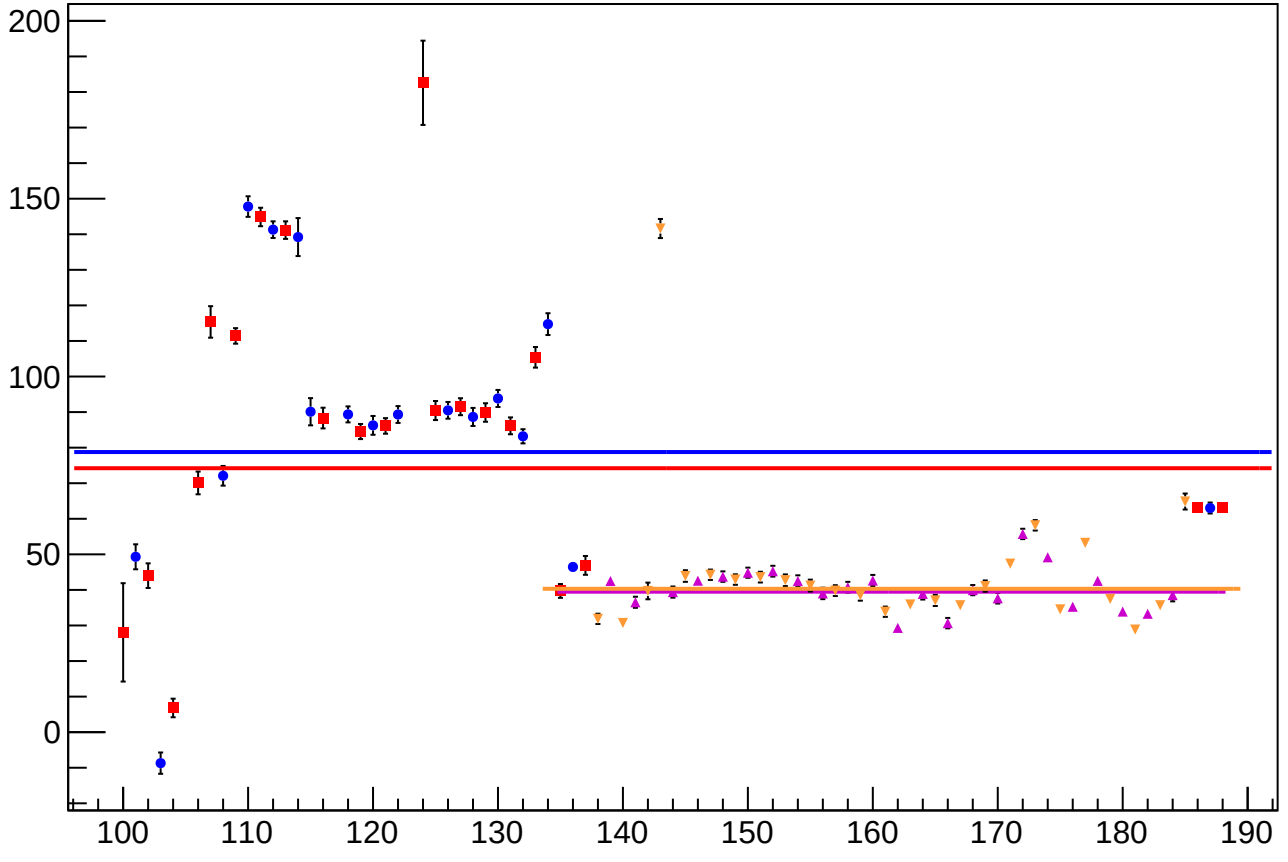
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.811+/-0.202 χ^2/NDF: 774.2/41

All: -3.672+/-0.144 χ^2/NDF: 1499.8/85

- sign -3.531+/-0.204 χ^2/NDF: 724.7/43

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 78.766+/-0.565 χ^2/NDF: 3350.7/16

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

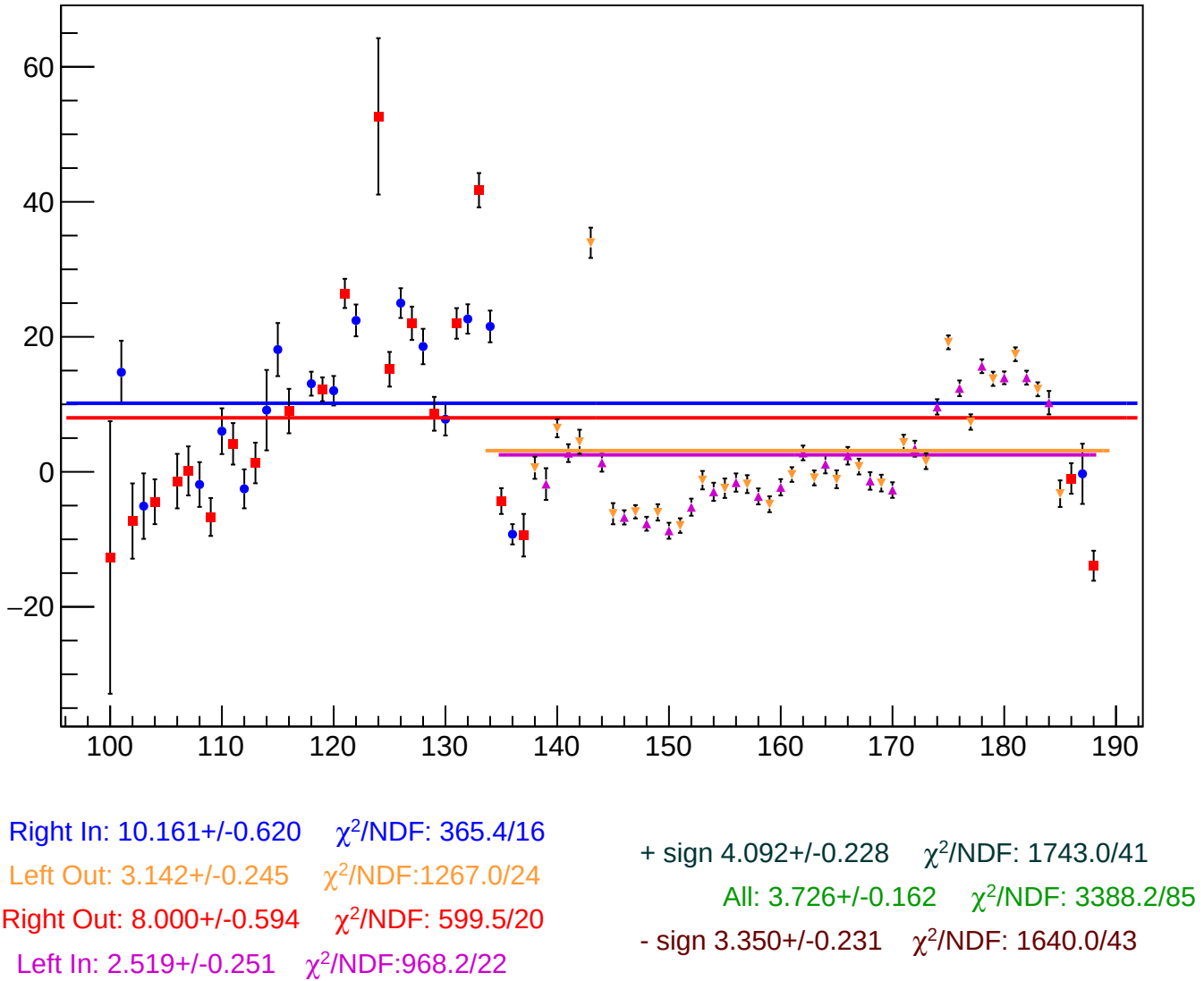
Right Out: 74.218+/-0.448 χ^2/NDF: 3746.6/20

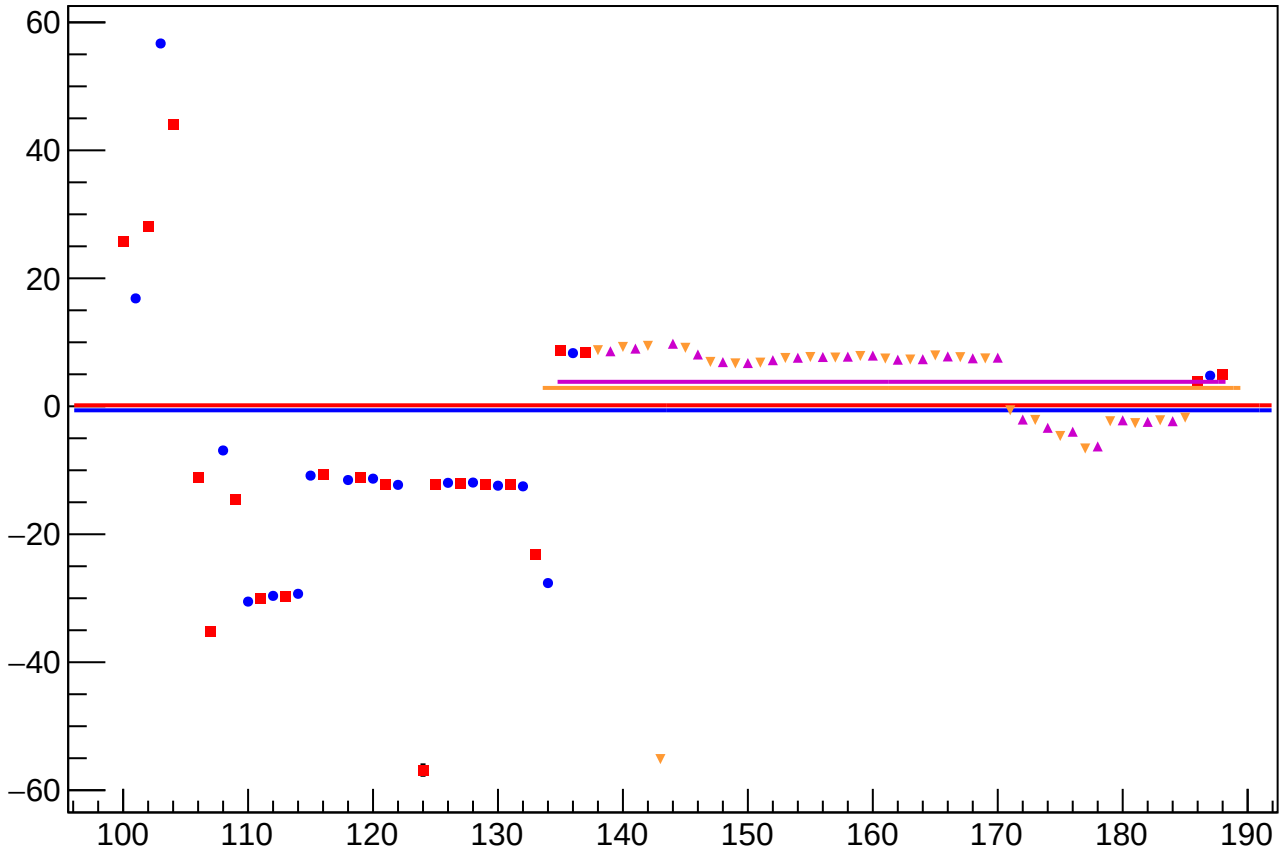
Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 47.906+/-0.251 χ^2/NDF: 9252.2/41

All: 48.741+/-0.174 χ^2/NDF: 17735.5/85

- sign 49.507+/-0.240 χ^2/NDF: 8462.1/43


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
190
Right In: 10.161+/-0.620 χ²/NDF: 365.4/16
Left Out: 3.142+/-0.245 χ²/NDF:1267.0/24
Right Out: 8.000+/-0.594 χ²/NDF: 599.5/20
Left In: 2.519+/-0.251 χ²/NDF:968.2/22
+ sign 4.092+/-0.228 χ²/NDF: 1743.0/41
All: 3.726+/-0.162 χ²/NDF: 3388.2/85
- sign 3.350+/-0.231 χ²/NDF: 1640.0/43



Right In: -0.629+/-0.036 χ^2/NDF: 368491.5/16

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

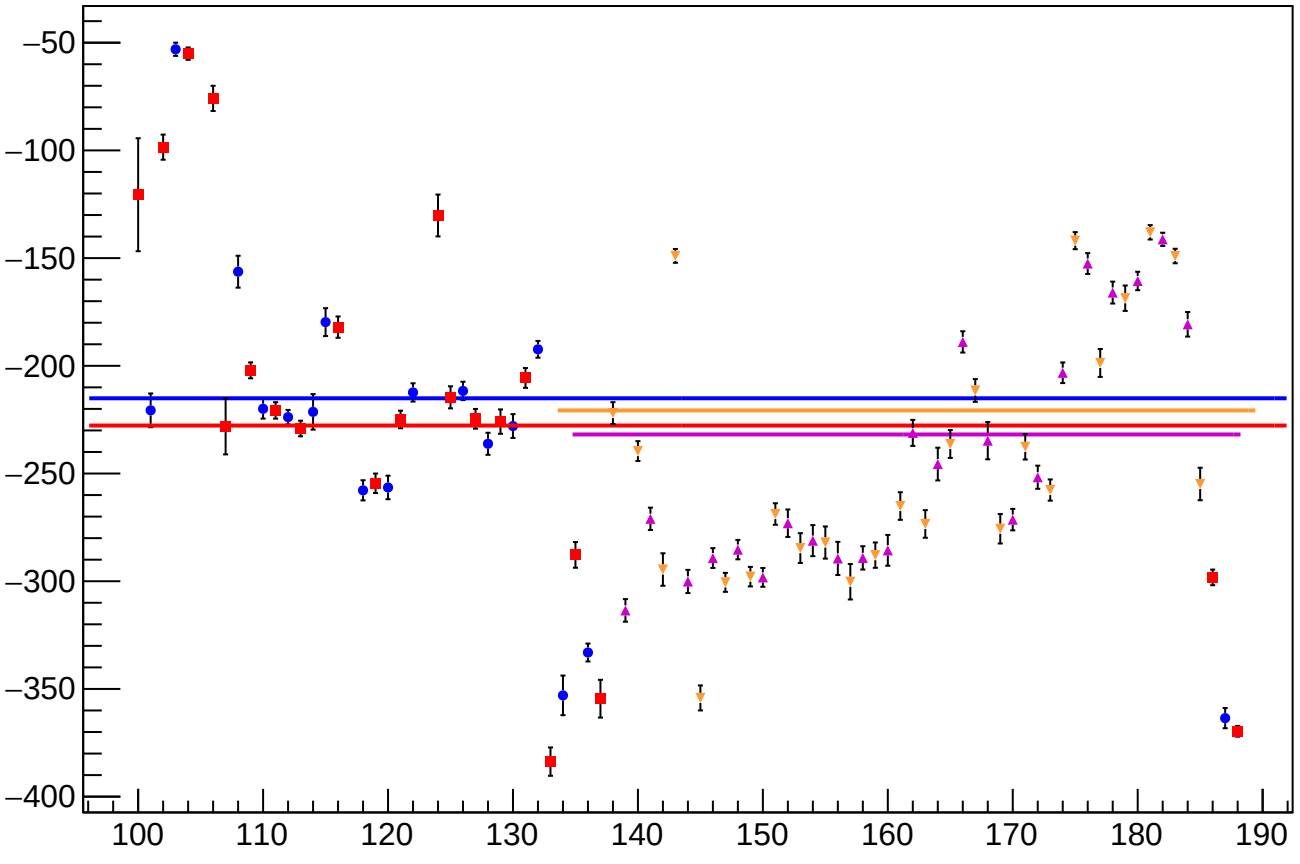
Right Out: 0.154+/-0.034 χ^2/NDF: 319404.2/20

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.564+/-0.010 χ^2/NDF: 889688.2/41

All: 3.019+/-0.007 χ^2/NDF: 1456385.1/85

- sign 3.480+/-0.011 χ^2/NDF: 562918.3/43



Right In: -215.077+/-1.149 χ^2/NDF: 5125.2/16

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

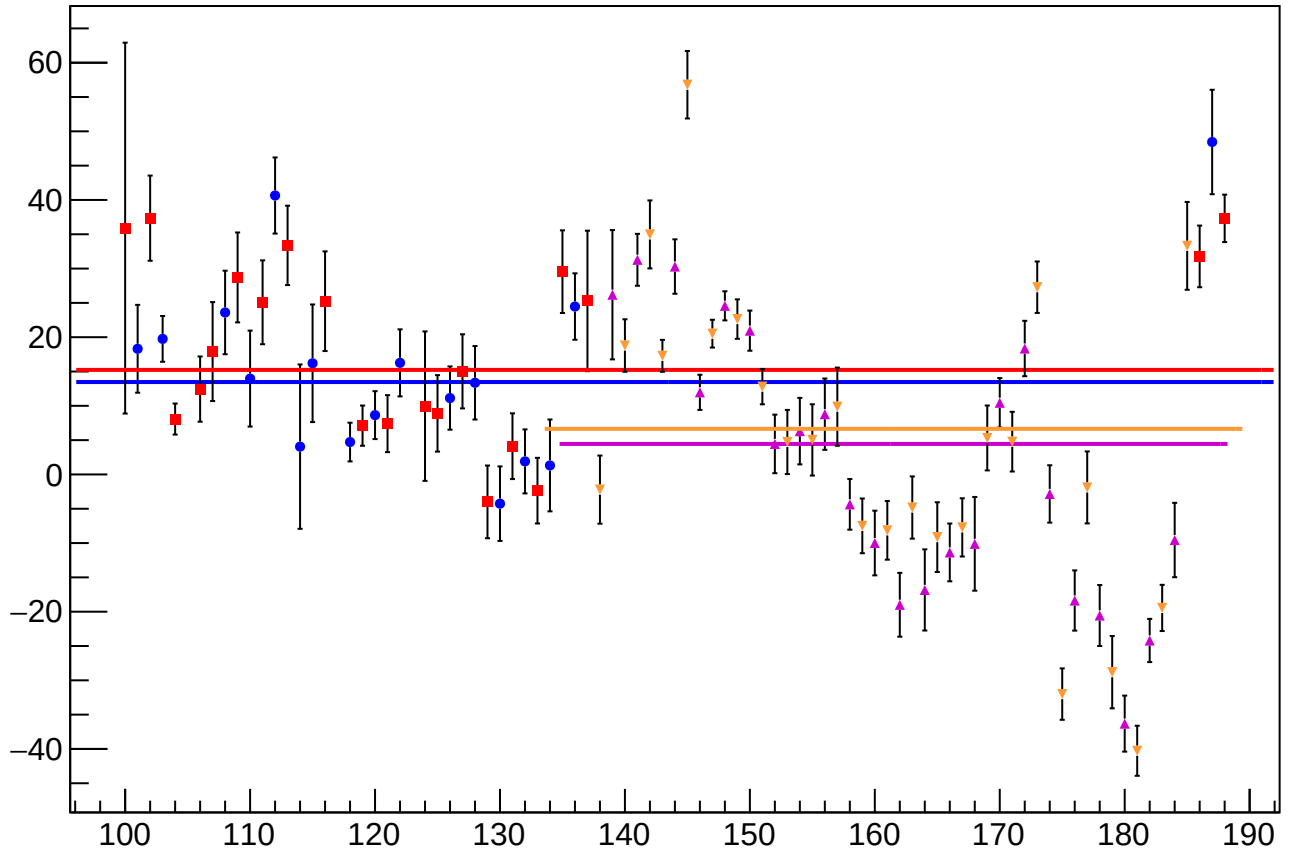
Right Out: -227.728+/-0.985 χ^2/NDF: 9567.3/20

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -218.238+/-0.762 χ^2/NDF: 9191.0/41

All: -224.193+/-0.526 χ^2/NDF: 22043.4/85

- sign -229.616+/-0.727 χ^2/NDF: 12735.7/43



Right In: 13.466+/-1.188 χ^2/NDF: 90.2/16

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

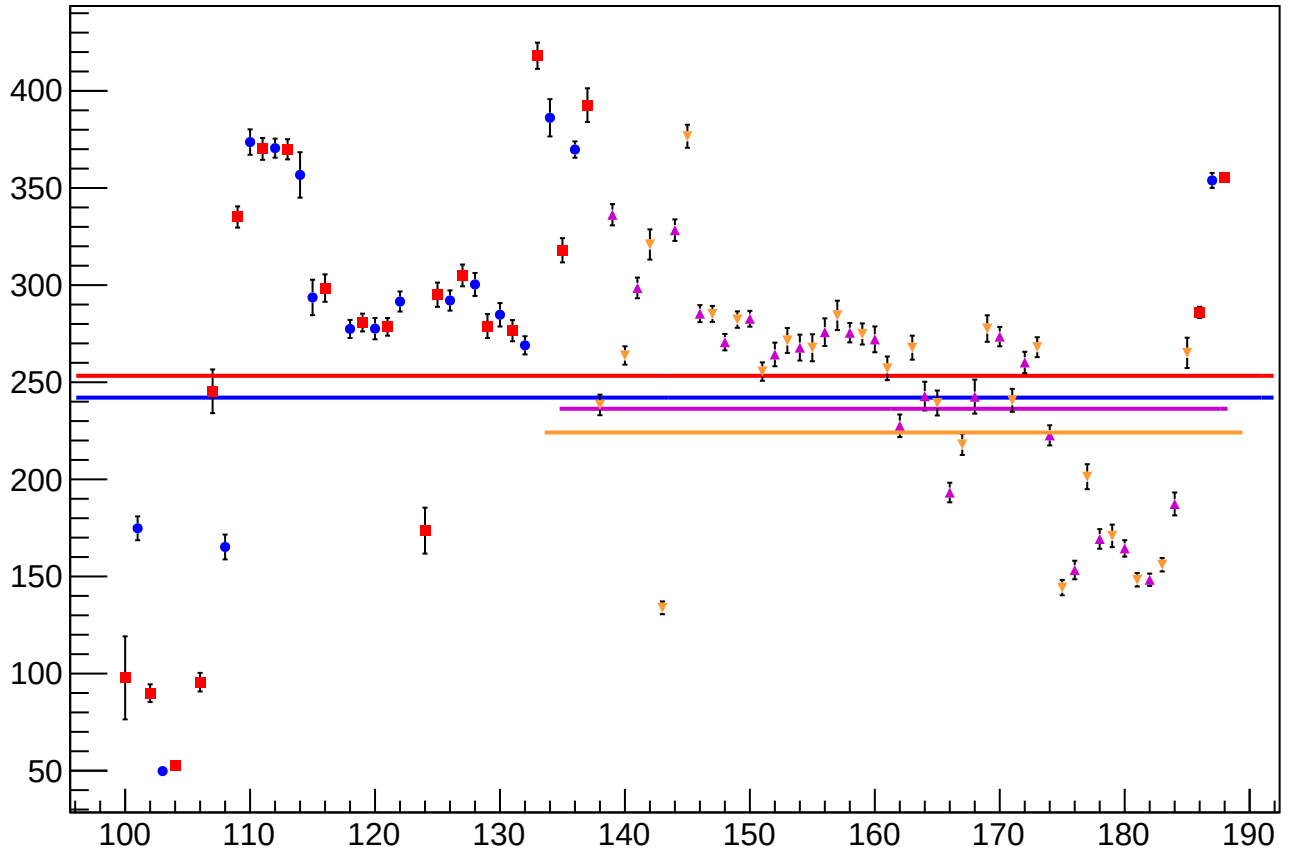
Right Out: 15.237+/-1.038 χ^2/NDF: 148.3/20

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

\+ sign 8.597+/-0.636 χ^2/NDF: 848.7/41

All: 8.555+/-0.450 χ^2/NDF: 1631.4/85

\- sign 8.512+/-0.637 χ^2/NDF: 782.7/43



Right In: 242.082+/-1.197 χ^2/NDF: 10311.1/16

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 253.312+/-0.968 χ^2/NDF: 15401.6/20

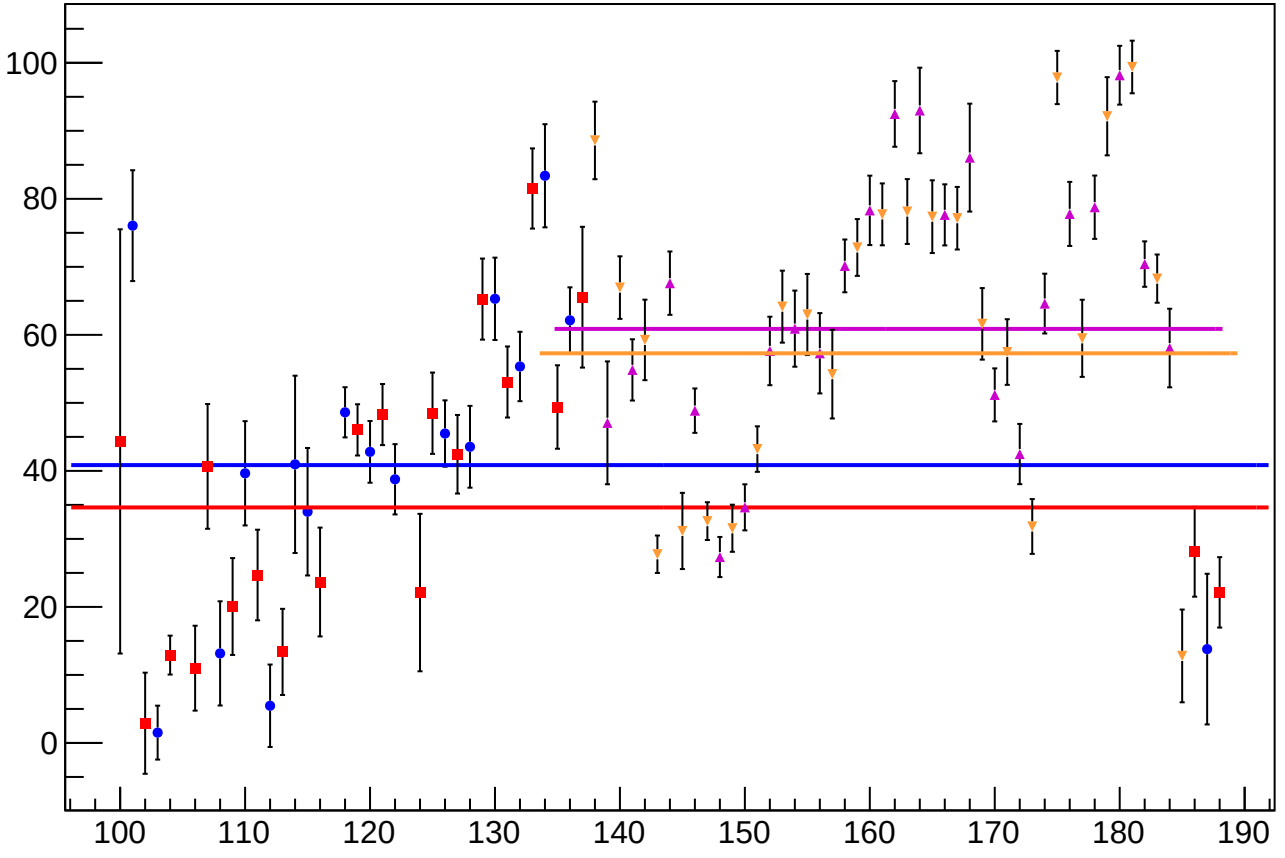
Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 231.622+/-0.774 χ^2/NDF: 14408.8/41

All: 239.168+/-0.526 χ^2/NDF: 33119.0/85

- sign 245.647+/-0.717 χ^2/NDF: 18533.3/43

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 40.851+/-1.387 χ^2/NDF: 251.8/16

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

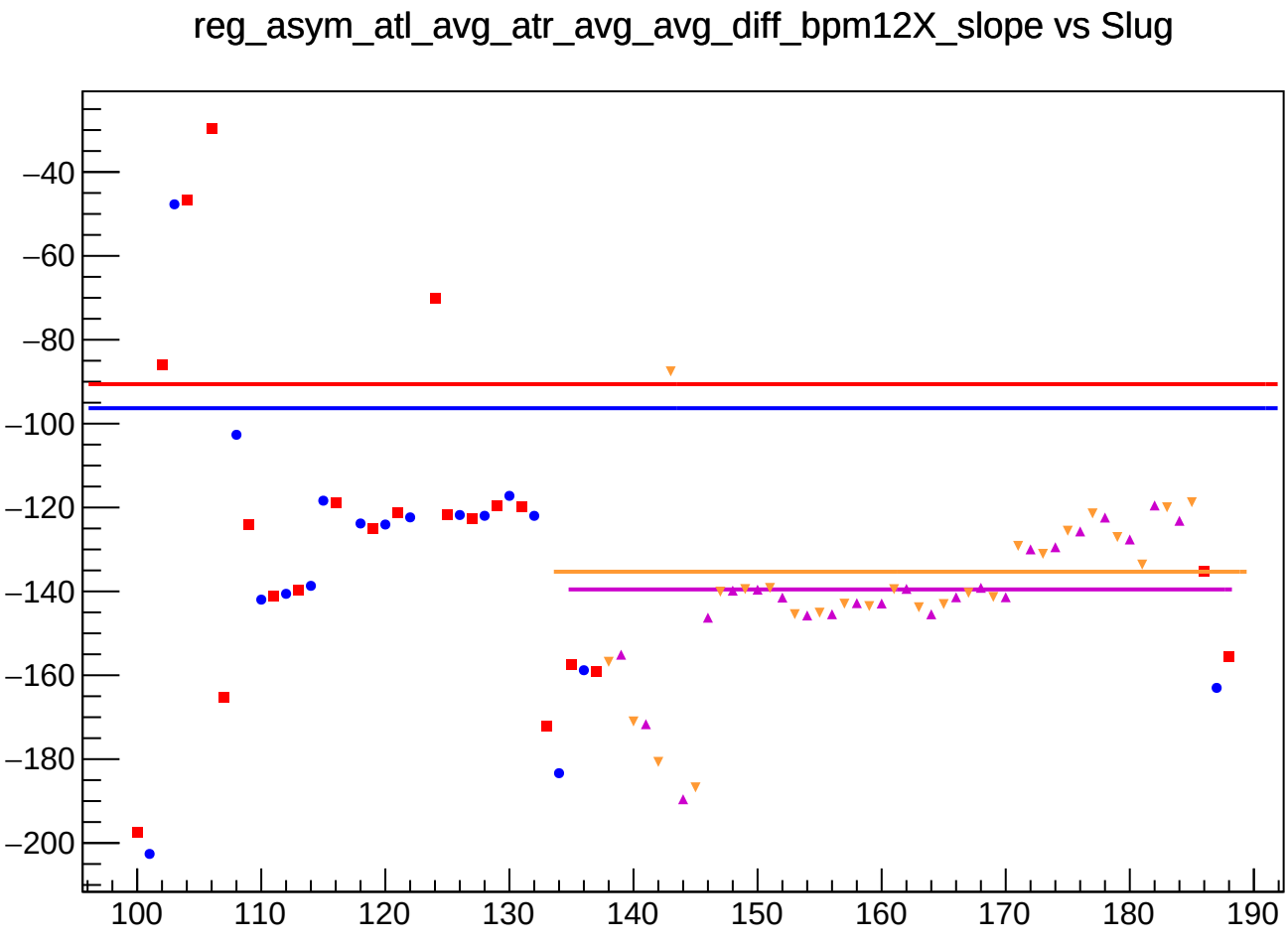
Right Out: 34.625+/-1.253 χ^2/NDF: 260.6/20

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 52.660+/-0.736 χ^2/NDF: 1120.6/41

All: 52.160+/-0.523 χ^2/NDF: 2121.6/85

- sign 51.649+/-0.743 χ^2/NDF: 1000.0/43



Right In: -96.312+/-0.069 χ^2/NDF: 531775.3/16

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -90.593+/-0.064 χ^2/NDF: 554479.5/20

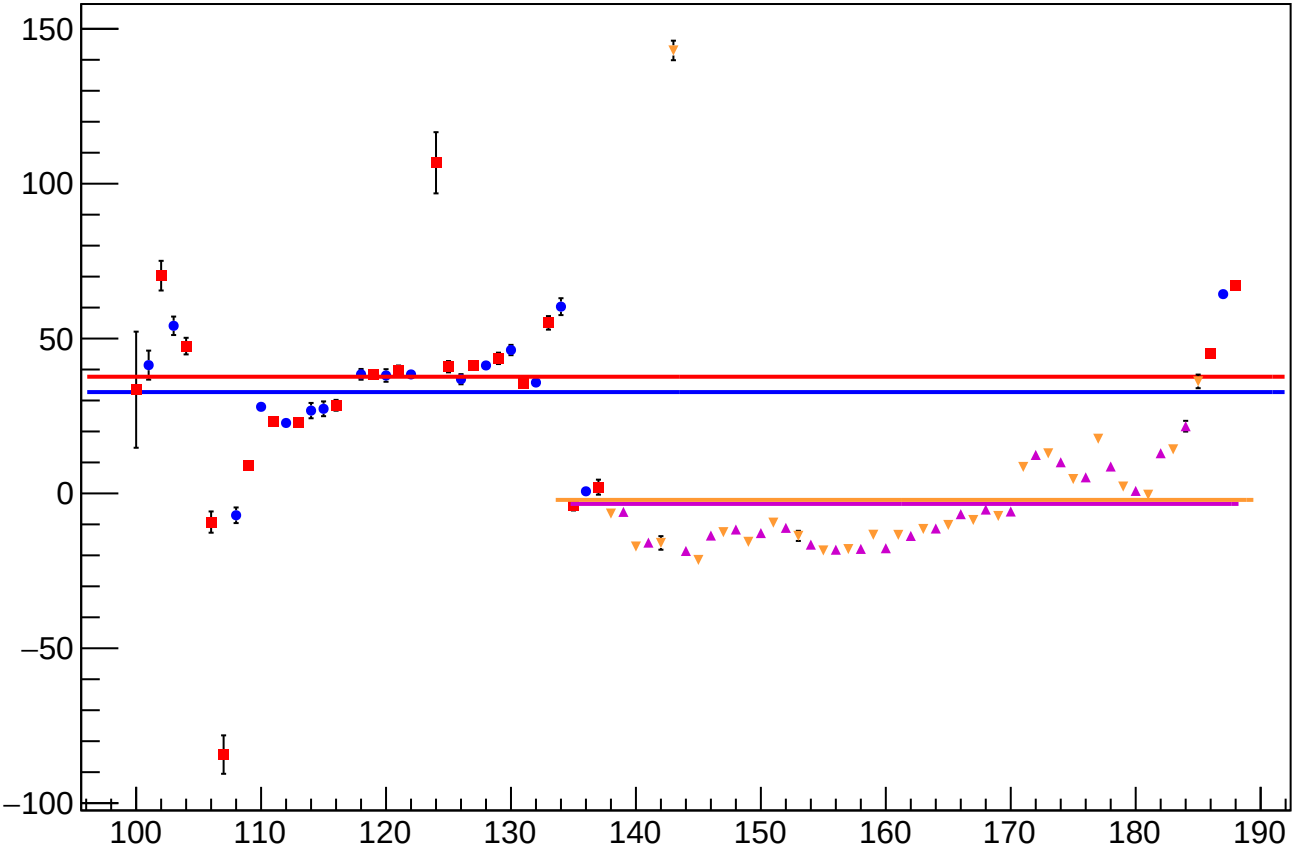
Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -125.289+/-0.035 χ^2/NDF: 1031858.2/41

All: -125.081+/-0.025 χ^2/NDF: 2105610.9/85

- sign -124.869+/-0.035 χ^2/NDF: 1073680.9/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 32.716+/-0.403 χ^2/NDF: 2023.1/16

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

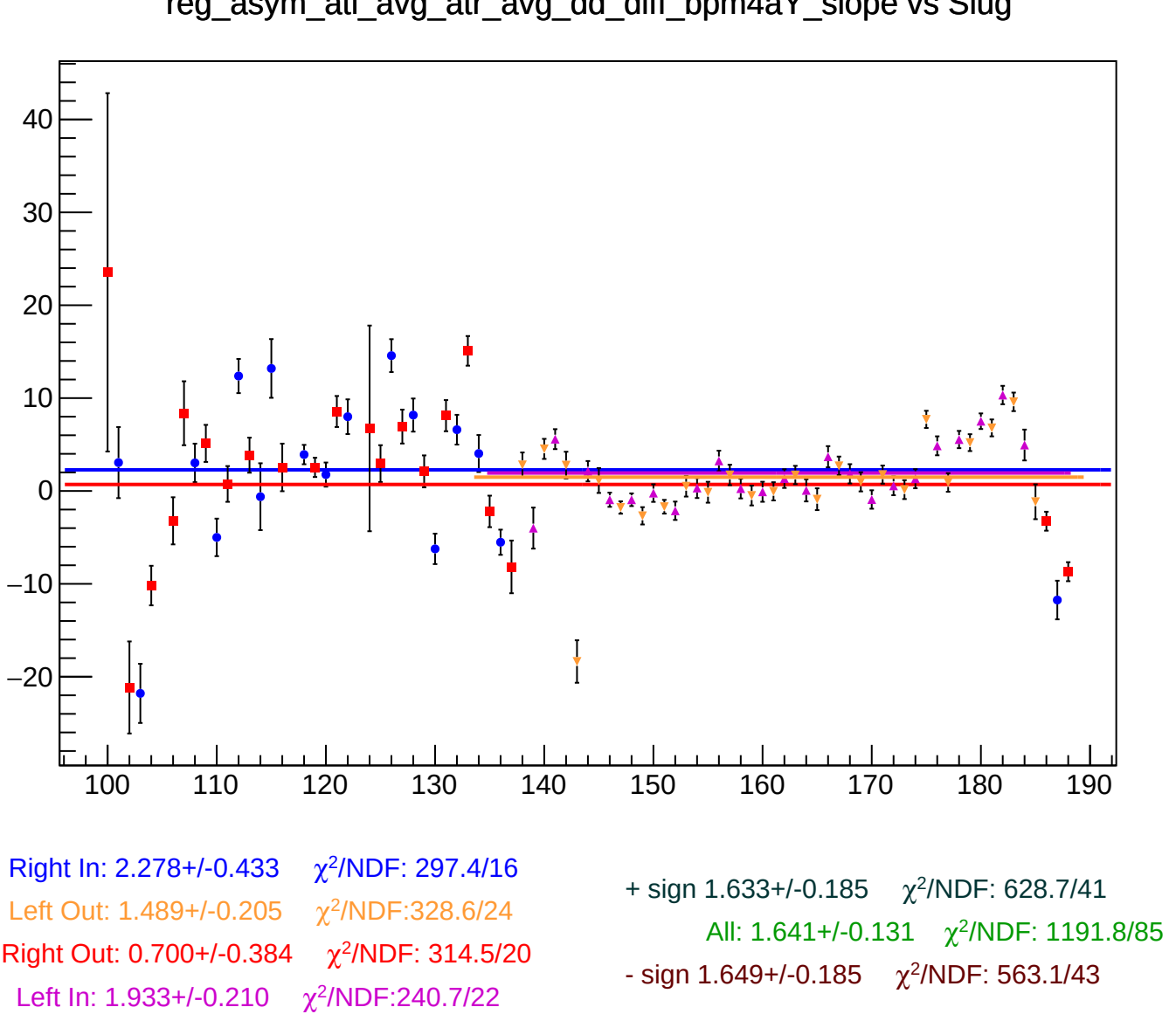
Right Out: 37.674+/-0.331 χ^2/NDF: 4291.8/20

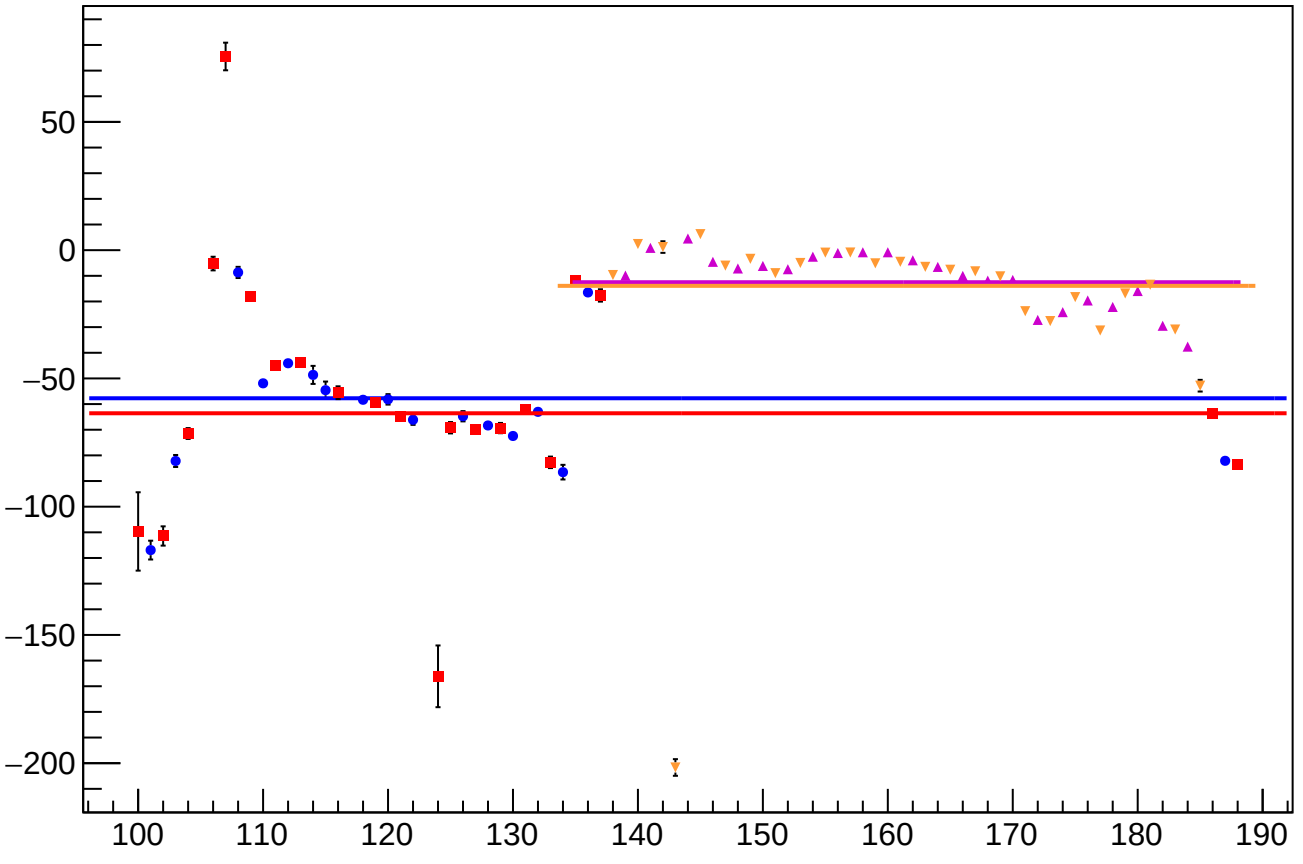
Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 8.527+/-0.222 χ^2/NDF: 11417.4/41

All: 10.948+/-0.153 χ^2/NDF: 26889.7/85

\- sign 13.104+/-0.210 χ^2/NDF: 15248.2/43


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
190
Right In: 2.278+/-0.433 χ²/NDF: 297.4/16
Left Out: 1.489+/-0.205 χ²/NDF:328.6/24
Right Out: 0.700+/-0.384 χ²/NDF: 314.5/20
Left In: 1.933+/-0.210 χ²/NDF:240.7/22
+ sign 1.633+/-0.185 χ²/NDF: 628.7/41
All: 1.641+/-0.131 χ²/NDF: 1191.8/85
- sign 1.649+/-0.185 χ²/NDF: 563.1/43



Right In: -57.734+/-0.442 χ^2/NDF: 2986.4/16

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -63.583+/-0.329 χ^2/NDF: 4922.8/20

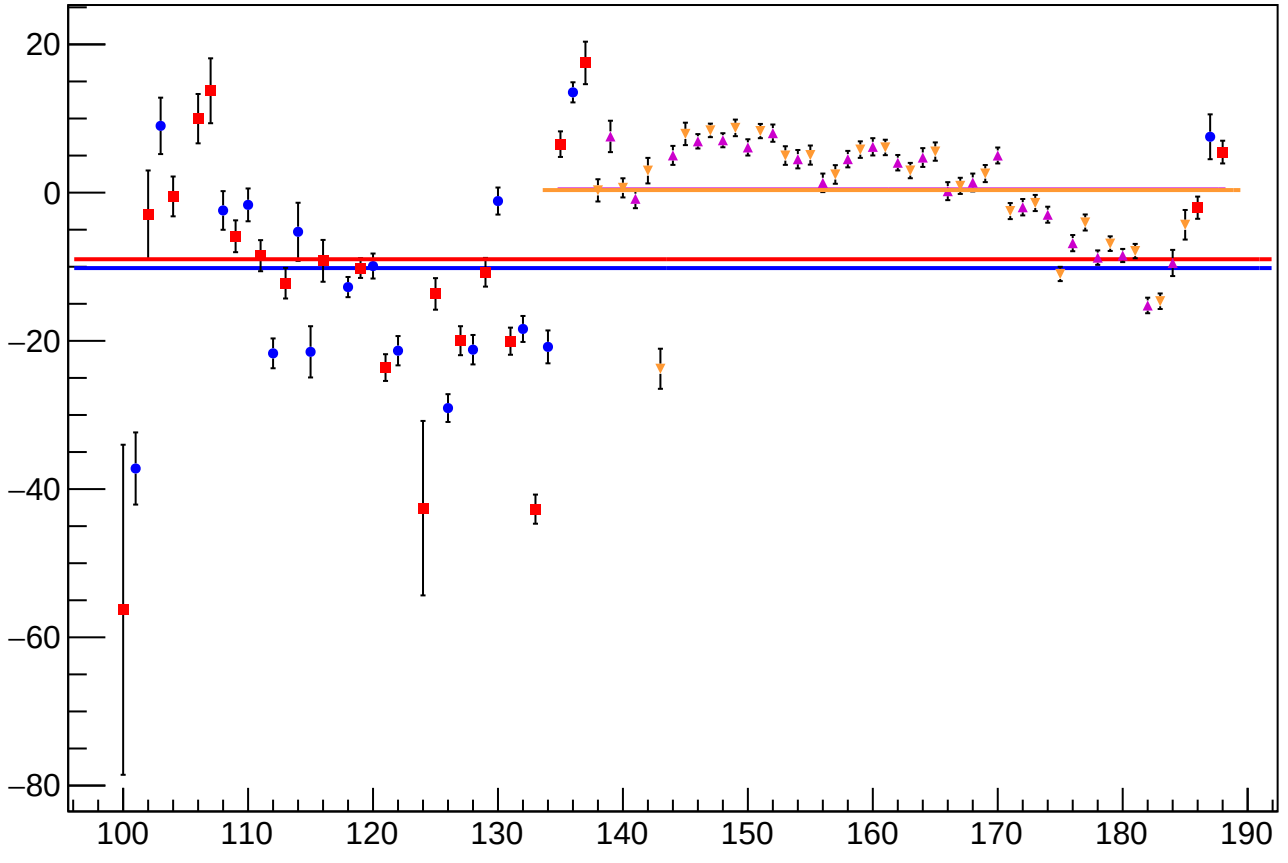
Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -25.464+/-0.227 χ^2/NDF: 15342.5/41

All: -29.506+/-0.153 χ^2/NDF: 36720.2/85

- sign -32.903+/-0.208 χ^2/NDF: 20794.9/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -10.181+/-0.499 χ^2/NDF: 701.6/16

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

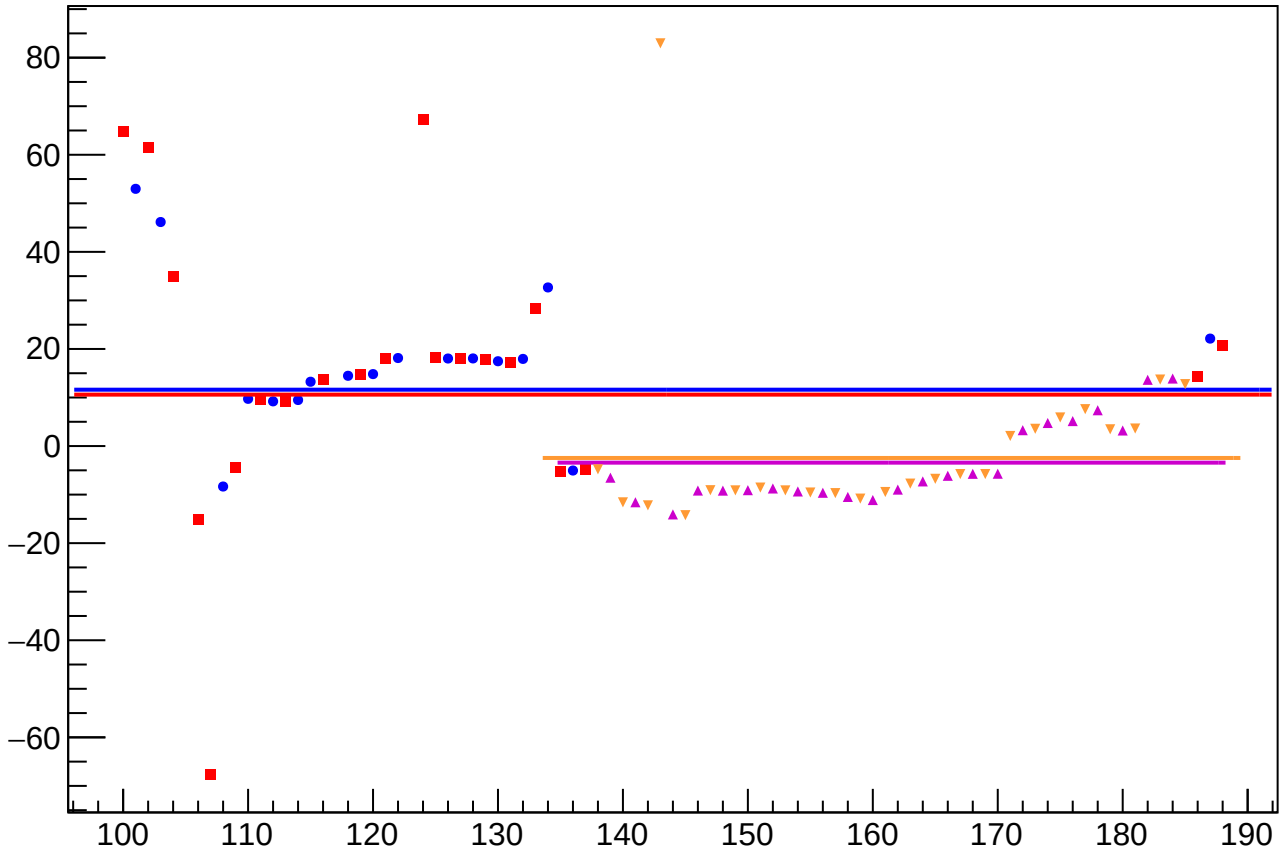
Right Out: -8.986+/-0.465 χ^2/NDF: 799.0/20

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.520+/-0.210 χ^2/NDF: 1990.3/41

All: -1.513+/-0.149 χ^2/NDF: 3897.4/85

- sign -1.505+/-0.211 χ^2/NDF: 1907.1/43



Right In: 11.611+/-0.029 χ^2/NDF: 353395.2/16

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

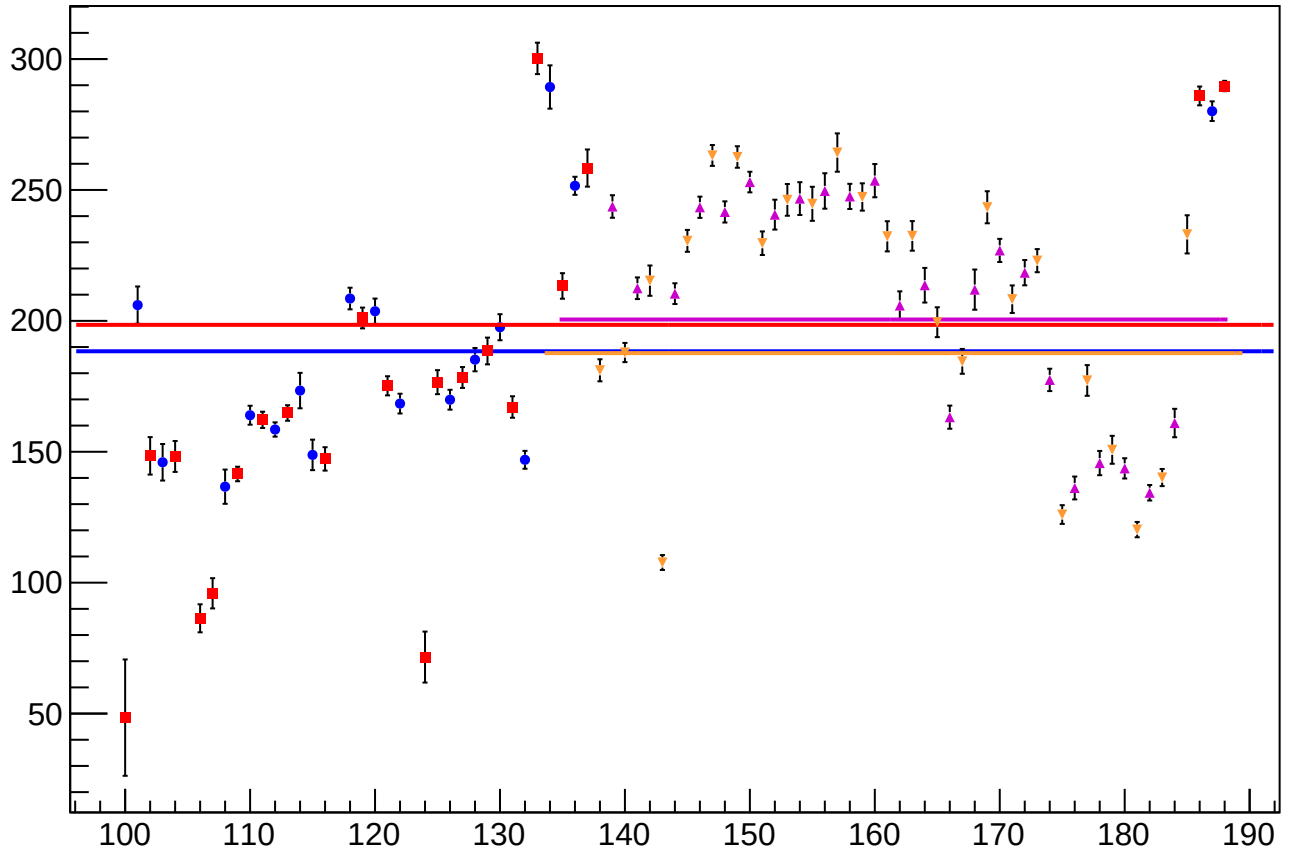
Right Out: 10.594+/-0.028 χ^2/NDF: 457213.9/20

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.906+/-0.010 χ^2/NDF: 1518064.8/41

All: -1.318+/-0.007 χ^2/NDF: 2742545.0/85

- sign -1.731+/-0.010 χ^2/NDF: 1220924.8/43



Right In: 188.385+/-1.046 χ^2/NDF: 1642.6/16

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

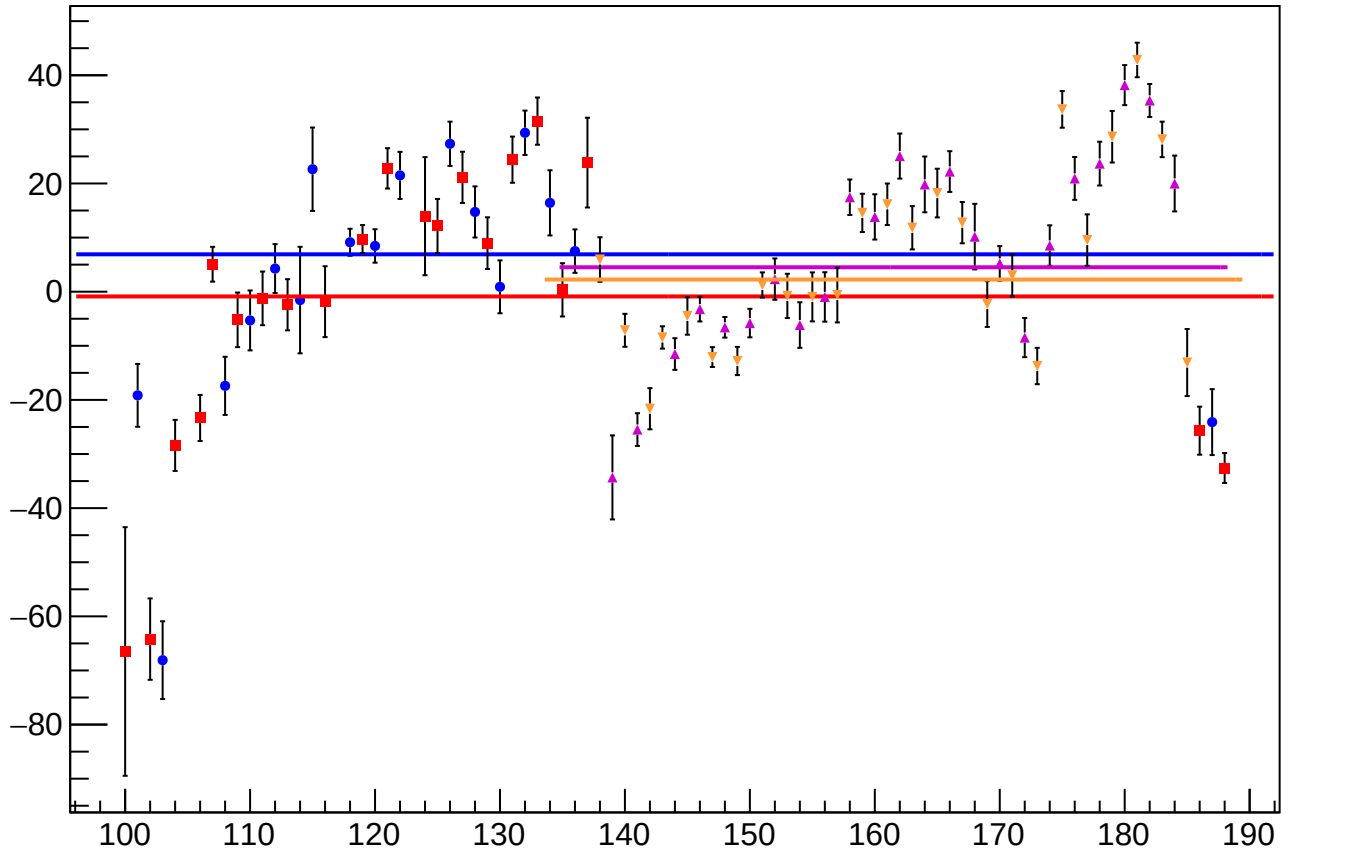
Right Out: 198.477+/-0.879 χ^2/NDF: 5150.3/20

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 187.979+/-0.681 χ^2/NDF: 5171.2/41

All: 193.992+/-0.469 χ^2/NDF: 12583.5/85

- sign 199.415+/-0.647 χ^2/NDF: 7264.2/43



Right In: 6.906+/-1.095 χ^2/NDF: 259.7/16

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

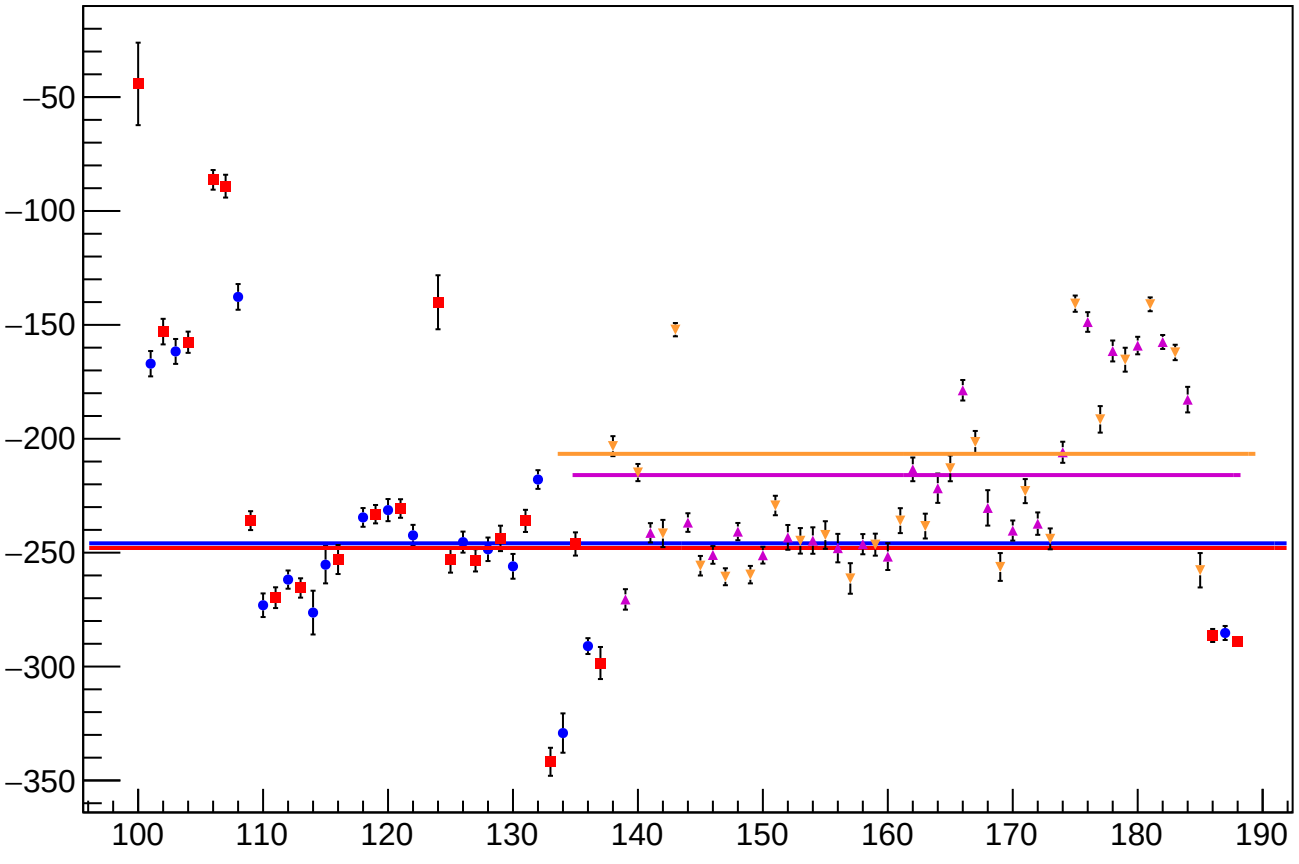
Right Out: -0.880+/-0.967 χ^2/NDF: 499.6/20

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

\+ sign 3.500+/-0.568 χ^2/NDF: 873.8/41

All: 3.060+/-0.404 χ^2/NDF: 1941.8/85

\- sign 2.610+/-0.575 χ^2/NDF: 1066.8/43



Right In: -245.907+/-1.155 χ^2/NDF: 1352.3/16

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

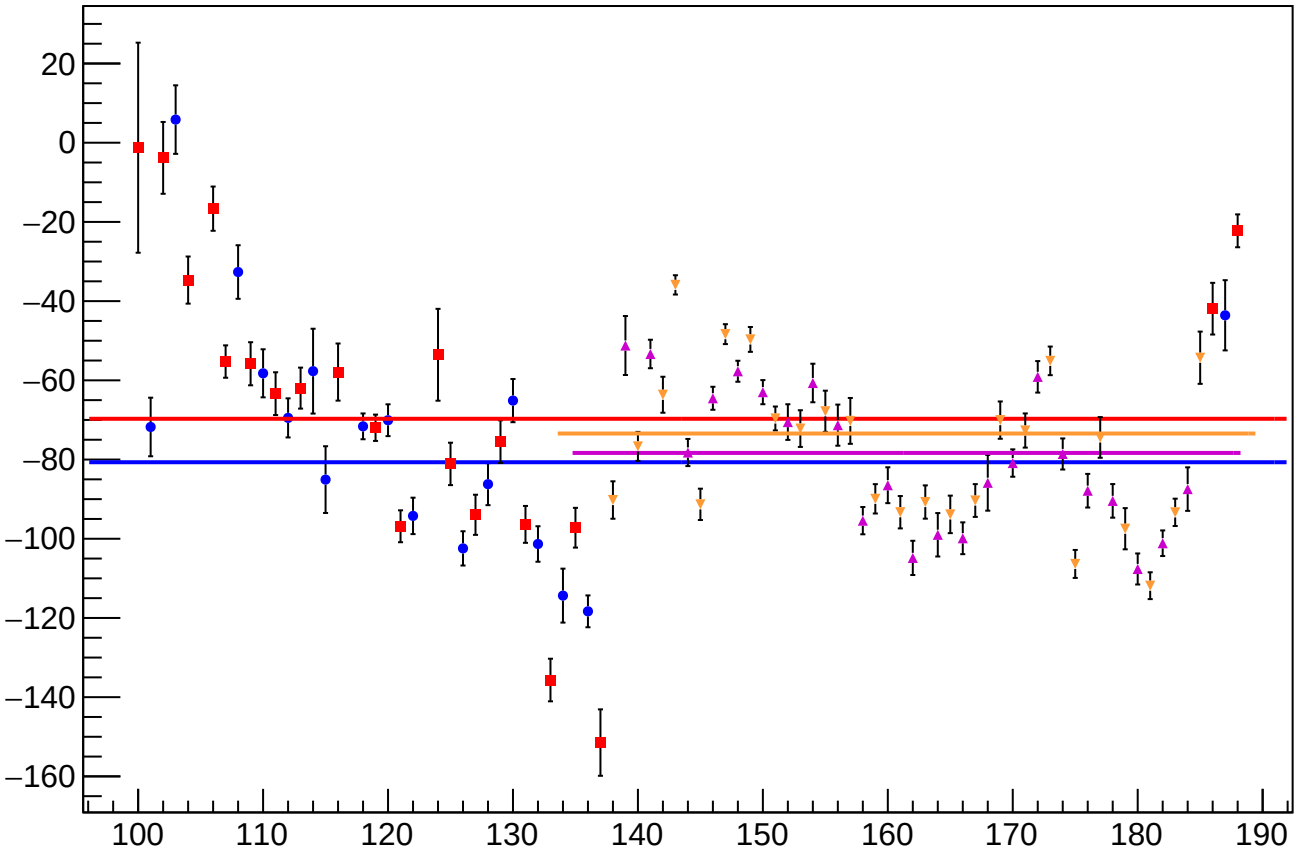
Right Out: -247.949+/-0.898 χ^2/NDF: 4494.4/20

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.359+/-0.707 χ^2/NDF: 4543.7/41

All: -227.543+/-0.479 χ^2/NDF: 11493.8/85

- sign -232.786+/-0.651 χ^2/NDF: 6808.9/43



Right In: -80.680+/-1.273 χ^2/NDF: 384.4/16

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

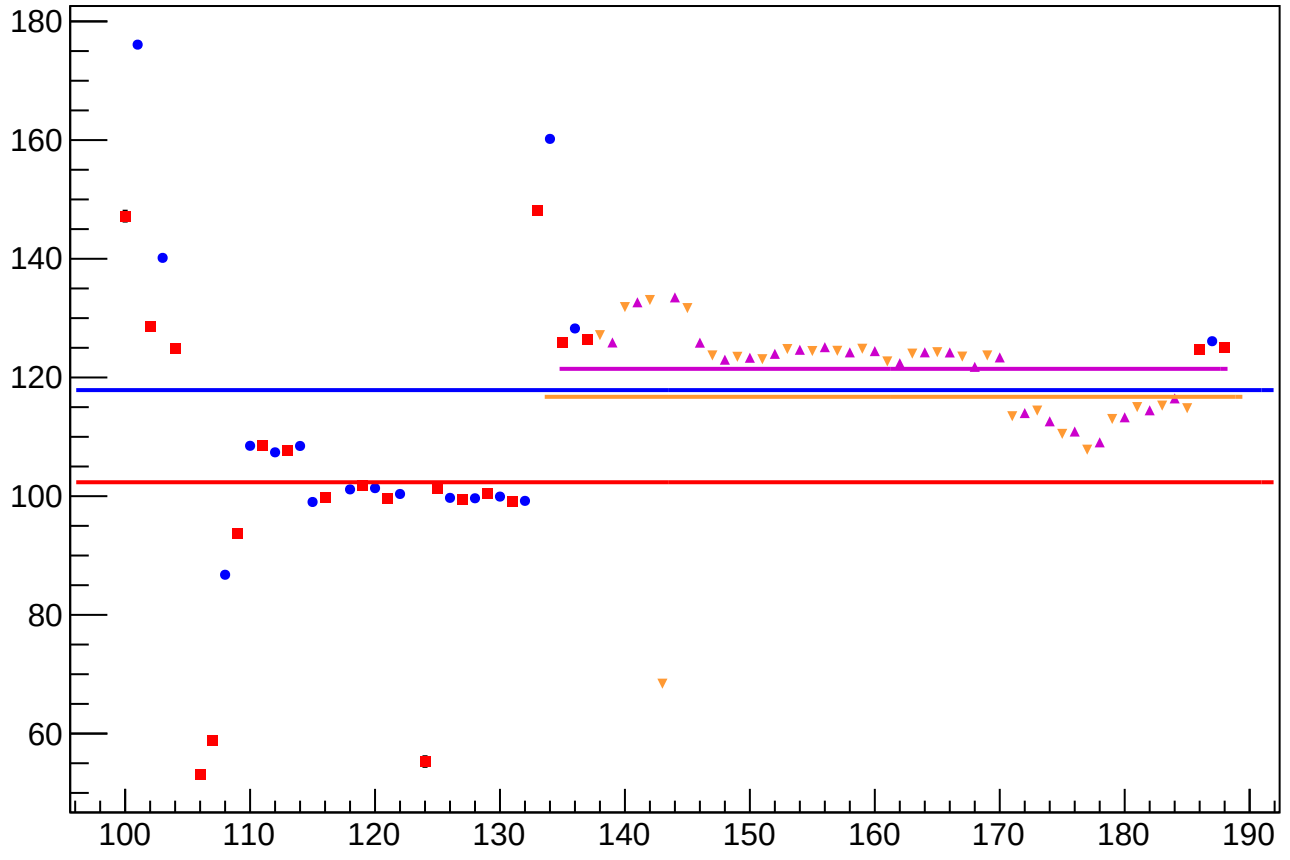
Right Out: -69.707+/-1.161 χ^2/NDF: 743.0/20

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -75.357+/-0.657 χ^2/NDF: 1244.7/41

All: -75.413+/-0.469 χ^2/NDF: 2467.9/85

\- sign -75.471+/-0.668 χ^2/NDF: 1223.1/43



Right In: 117.873+/-0.077 χ^2/NDF: 95682.3/16

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 102.348+/-0.066 χ^2/NDF: 180303.8/20

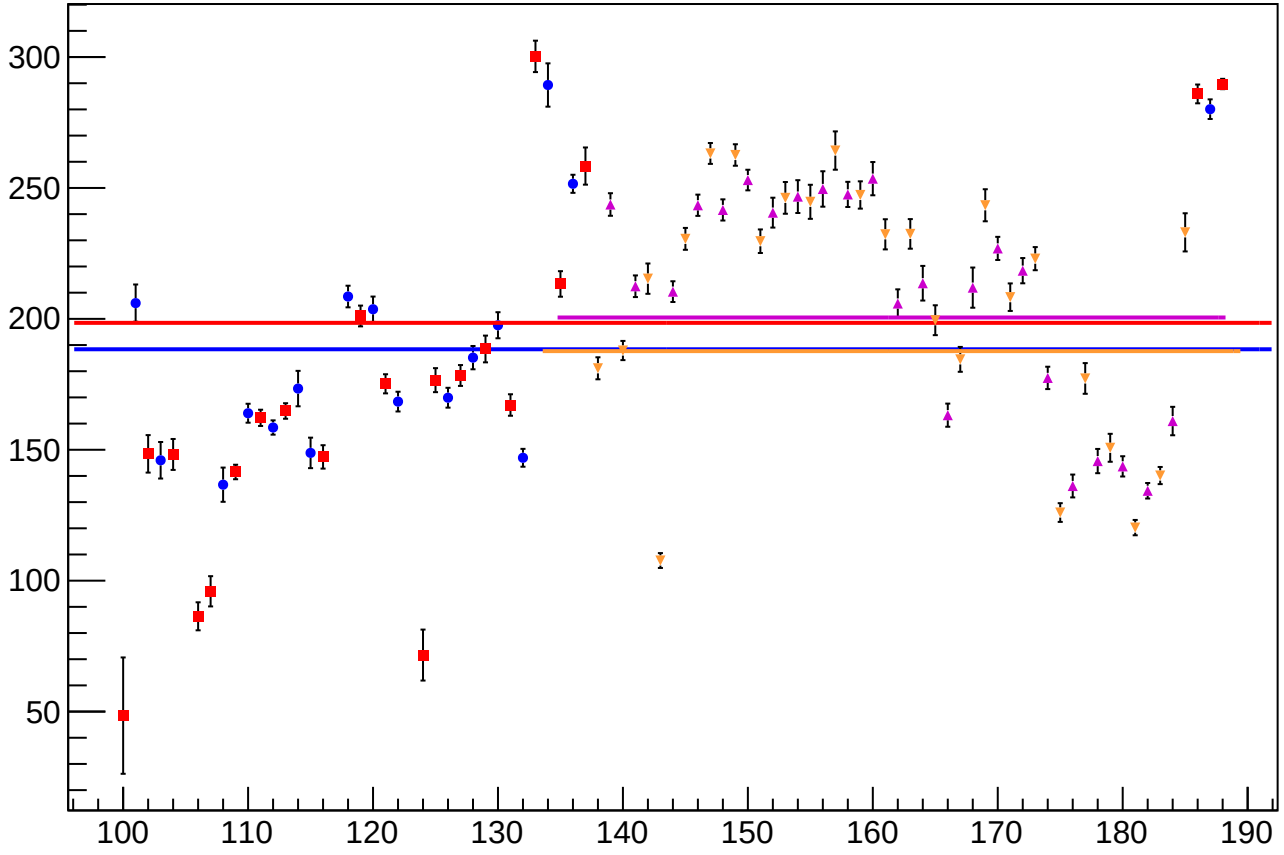
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 116.941+/-0.032 χ^2/NDF: 299509.8/41

All: 116.909+/-0.023 χ^2/NDF: 571598.5/85

- sign 116.877+/-0.032 χ^2/NDF: 272086.7/43

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 188.385+/-1.046 χ^2/NDF: 1642.6/16

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

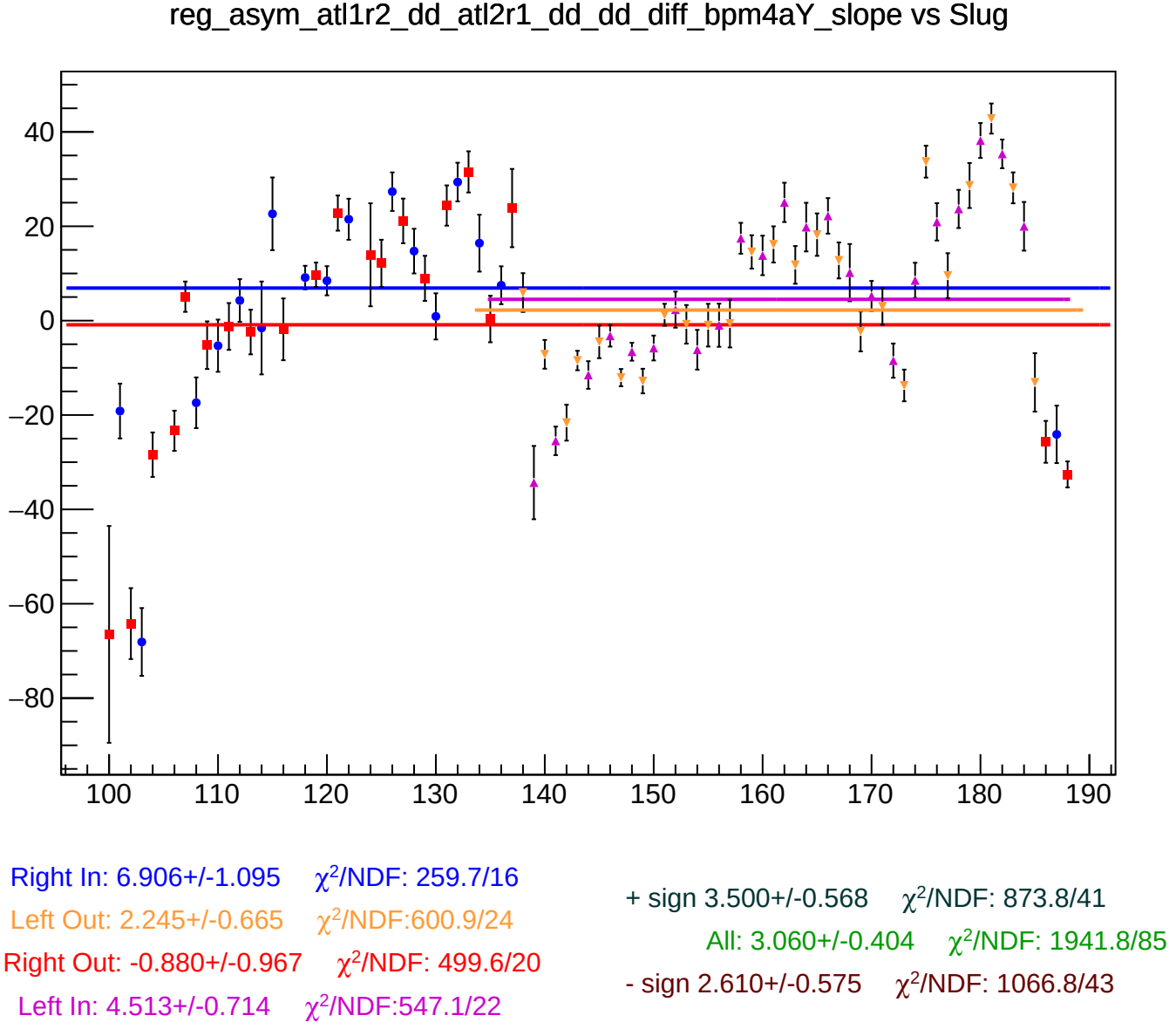
Right Out: 198.477+/-0.879 χ^2/NDF: 5150.3/20

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 187.979+/-0.681 χ^2/NDF: 5171.2/41

All: 193.992+/-0.469 χ^2/NDF: 12583.5/85

- sign 199.415+/-0.647 χ^2/NDF: 7264.2/43


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug
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−20
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−80
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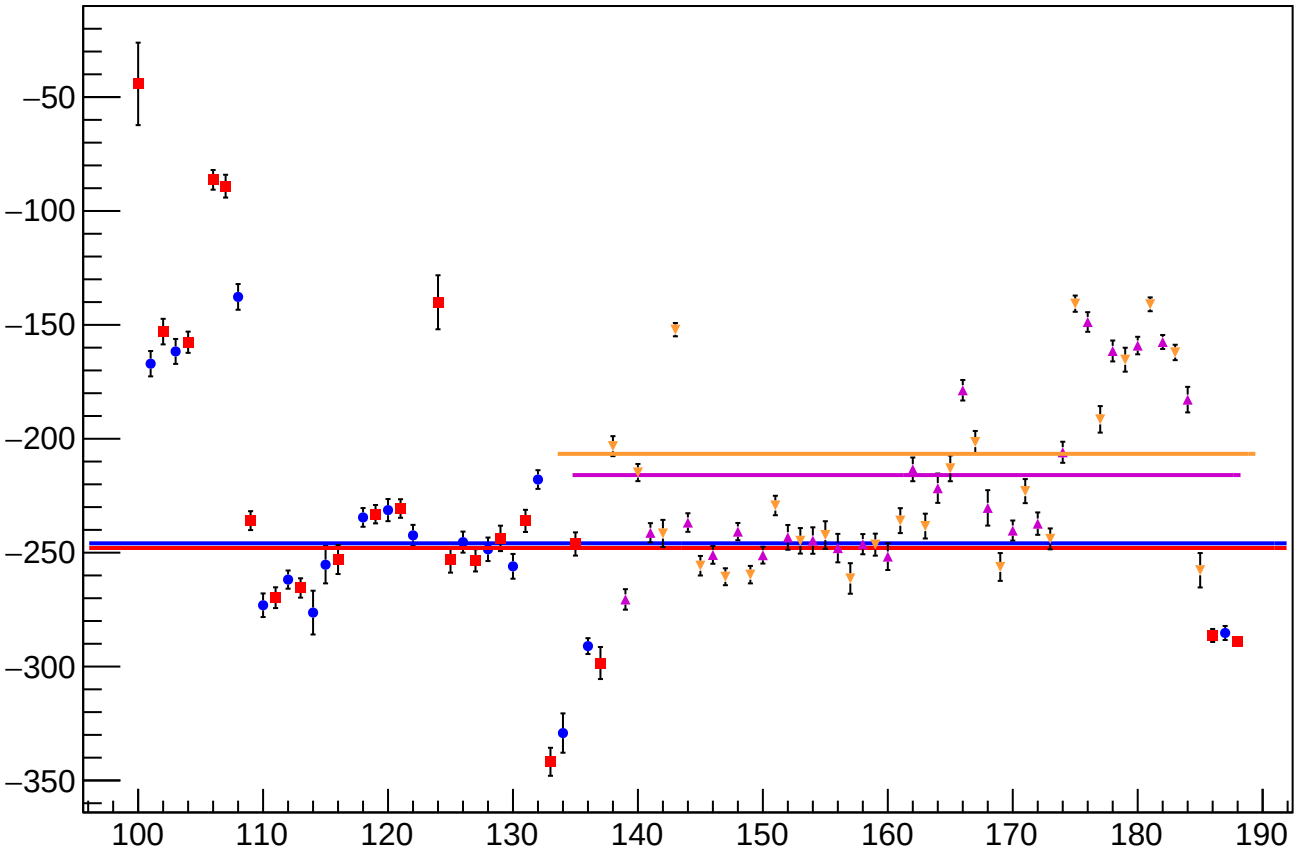
170
180
190
Right In: 6.906+/-1.095 χ²/NDF: 259.7/16
Left Out: 2.245+/-0.665 χ²/NDF:600.9/24
Right Out: -0.880+/-0.967 χ²/NDF: 499.6/20
Left In: 4.513+/-0.714 χ²/NDF:547.1/22
+ sign 3.500+/-0.568 χ²/NDF: 873.8/41
All: 3.060+/-0.404 χ²/NDF: 1941.8/85
- sign 2.610+/-0.575 χ²/NDF: 1066.8/43



Right In: -245.907+/-1.155 χ^2/NDF: 1352.3/16

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

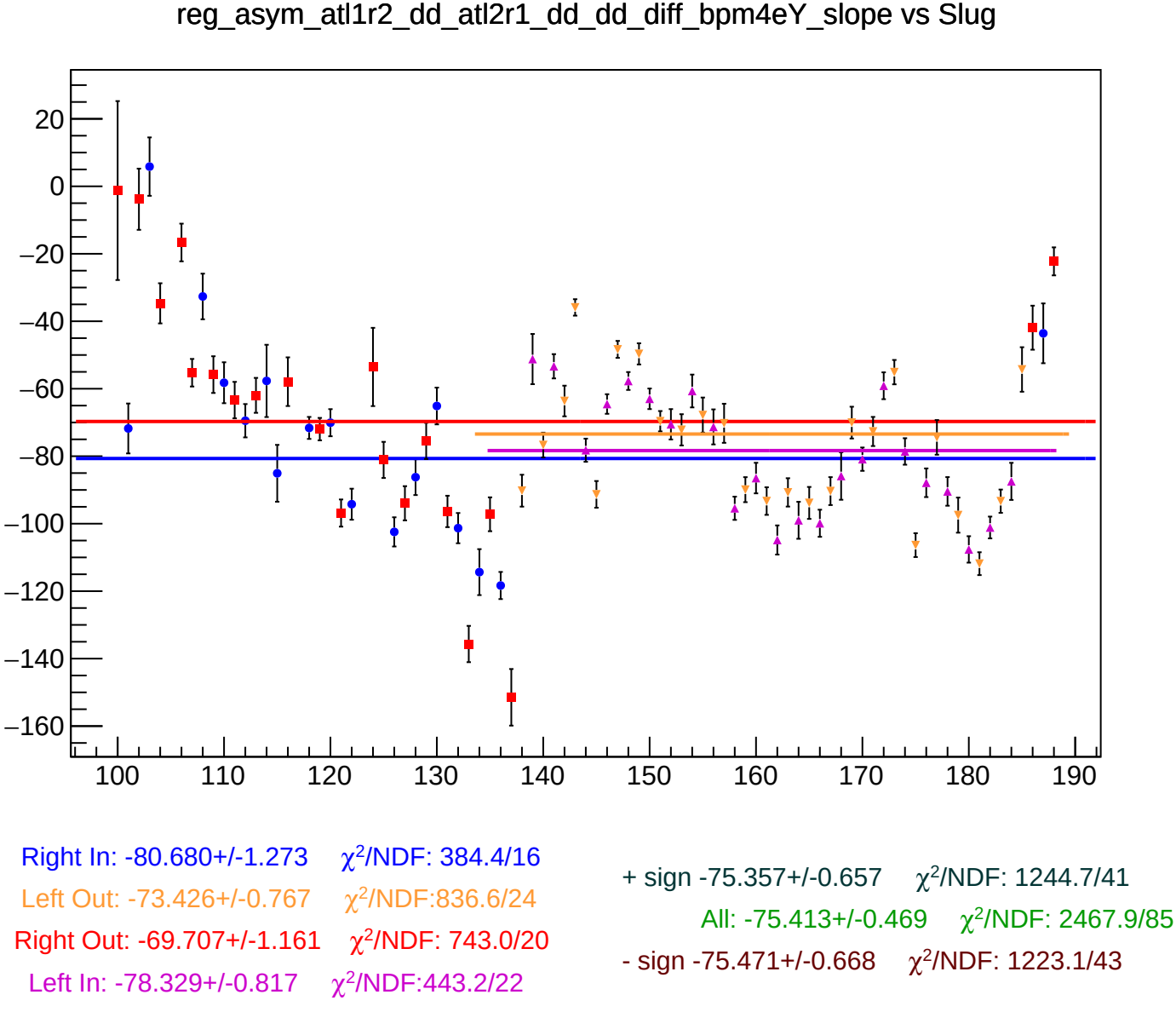
Right Out: -247.949+/-0.898 χ^2/NDF: 4494.4/20

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.359+/-0.707 χ^2/NDF: 4543.7/41

All: -227.543+/-0.479 χ^2/NDF: 11493.8/85

- sign -232.786+/-0.651 χ^2/NDF: 6808.9/43


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug
20
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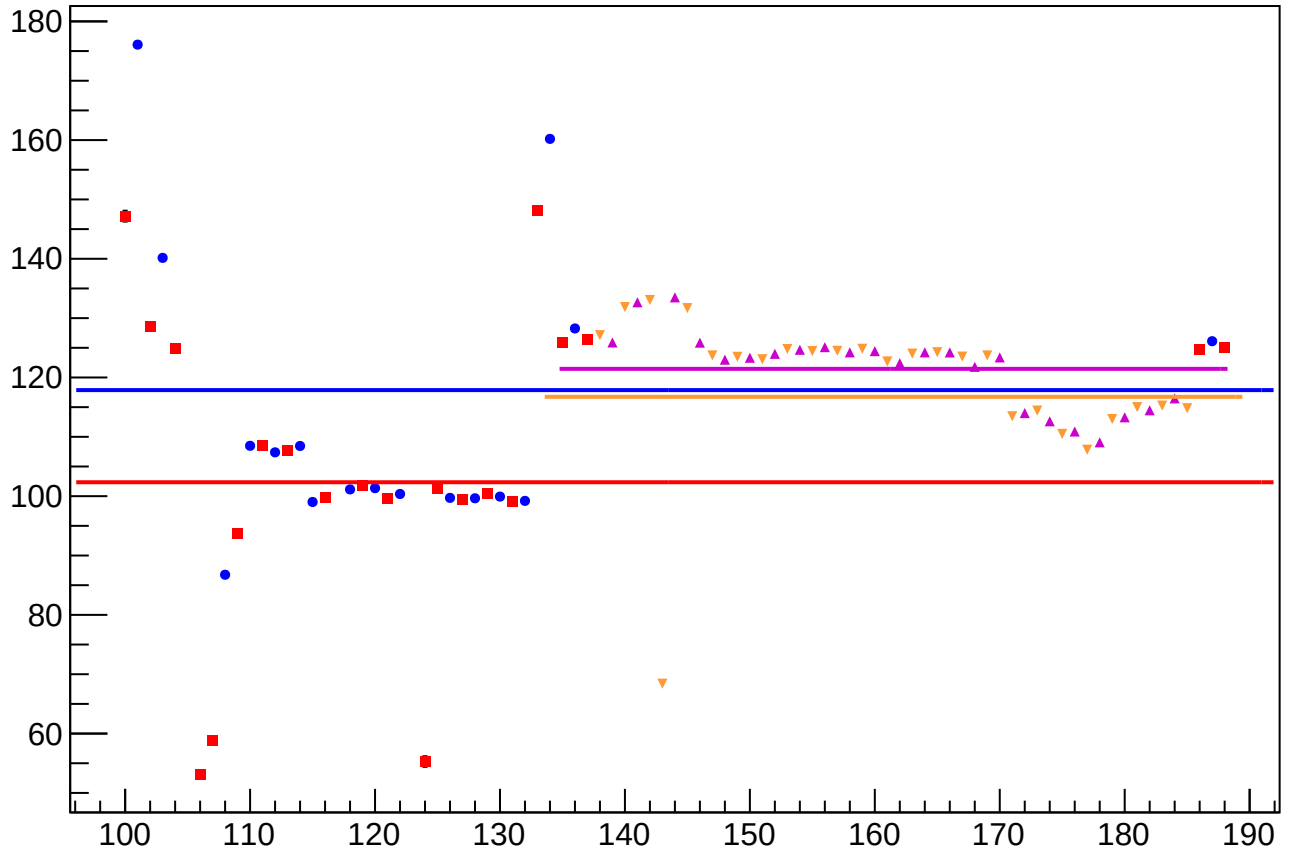
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
180
190
Right In: -80.680+/-1.273 χ²/NDF: 384.4/16
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -69.707+/-1.161 χ²/NDF: 743.0/20
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
+ sign -75.357+/-0.657 χ²/NDF: 1244.7/41
All: -75.413+/-0.469 χ²/NDF: 2467.9/85
- sign -75.471+/-0.668 χ²/NDF: 1223.1/43



Right In: 117.873+/-0.077 χ^2/NDF: 95682.3/16

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

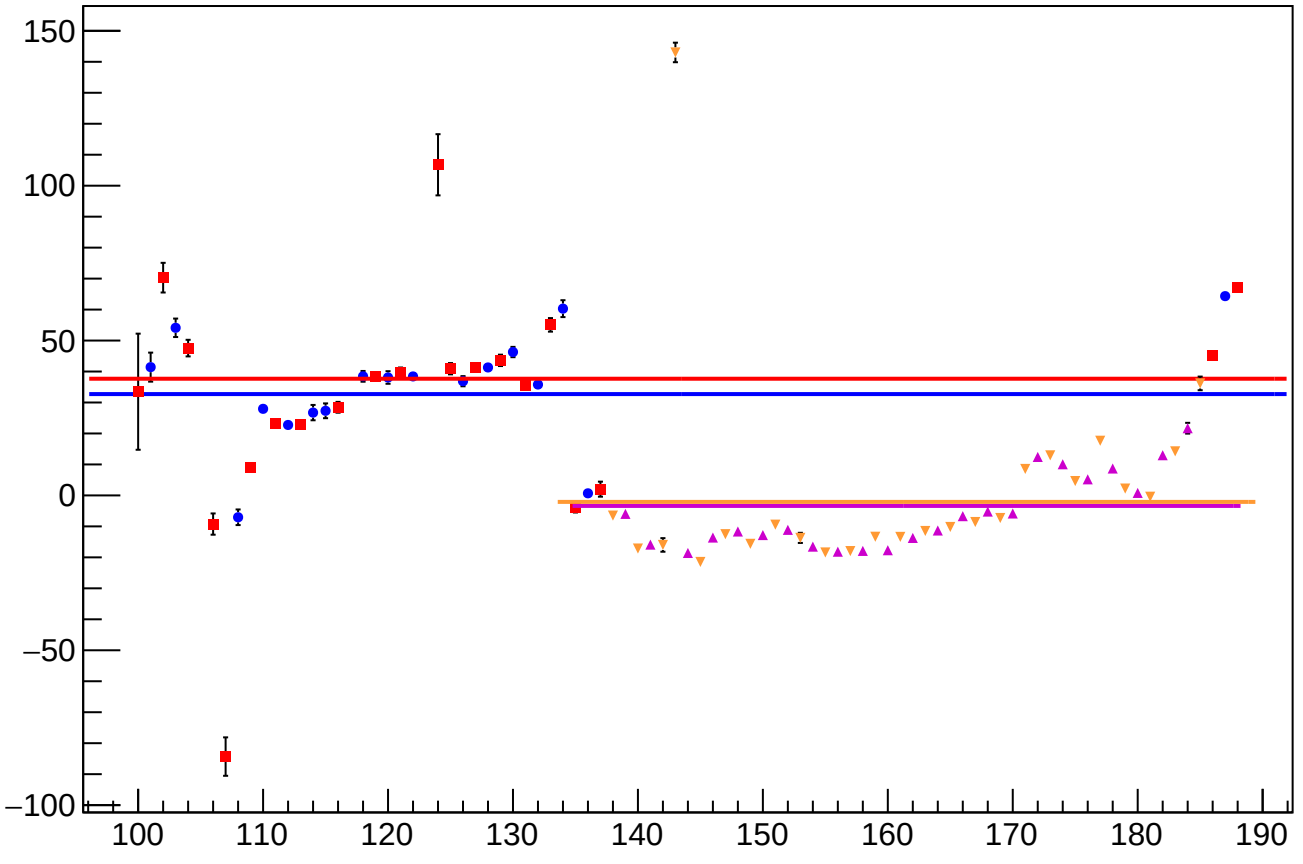
Right Out: 102.348+/-0.066 χ^2/NDF: 180303.8/20

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 116.941+/-0.032 χ^2/NDF: 299509.8/41

All: 116.909+/-0.023 χ^2/NDF: 571598.5/85

- sign 116.877+/-0.032 χ^2/NDF: 272086.7/43



Right In: 32.716+/-0.403 χ^2/NDF: 2023.1/16

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

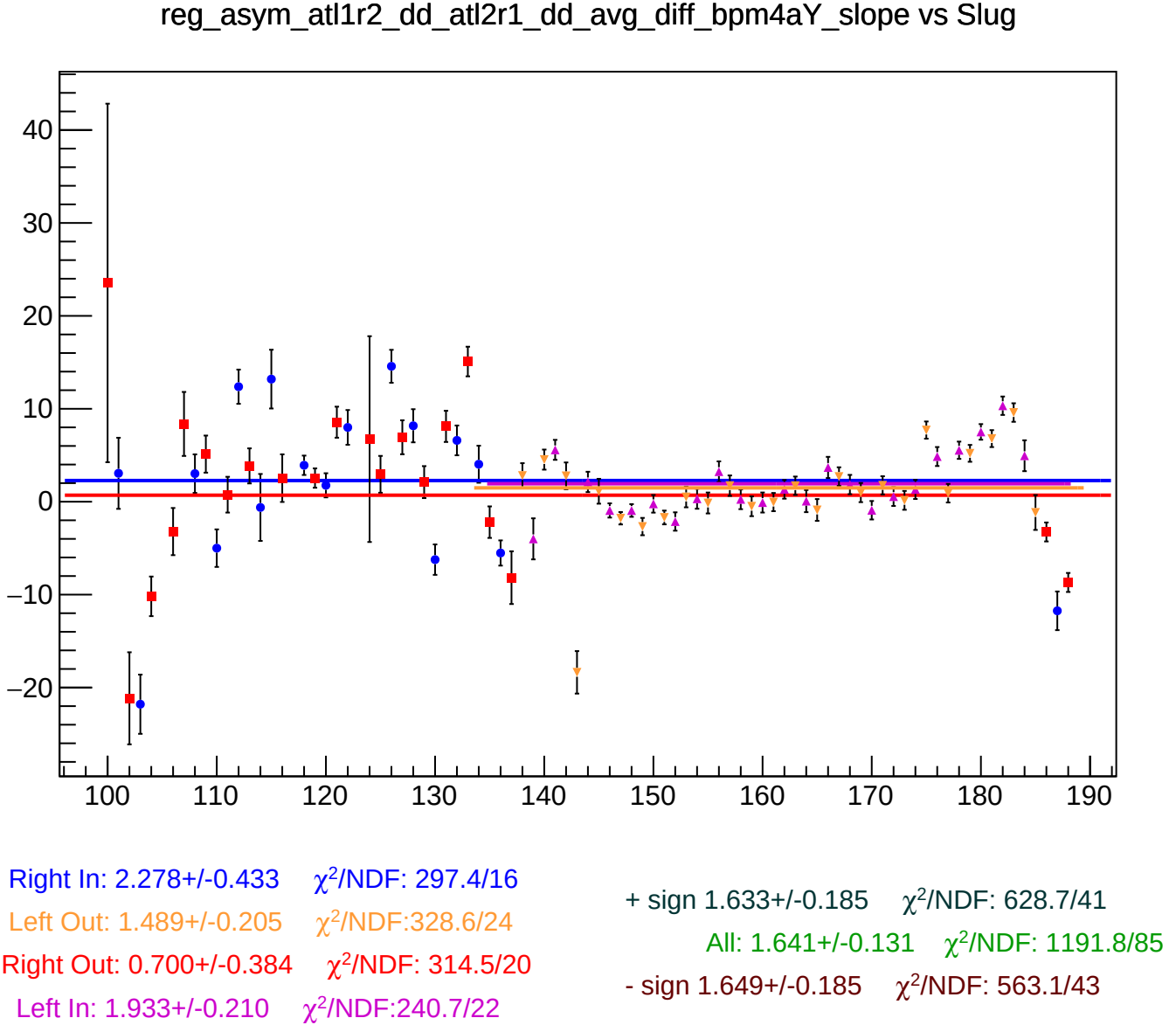
Right Out: 37.674+/-0.331 χ^2/NDF: 4291.8/20

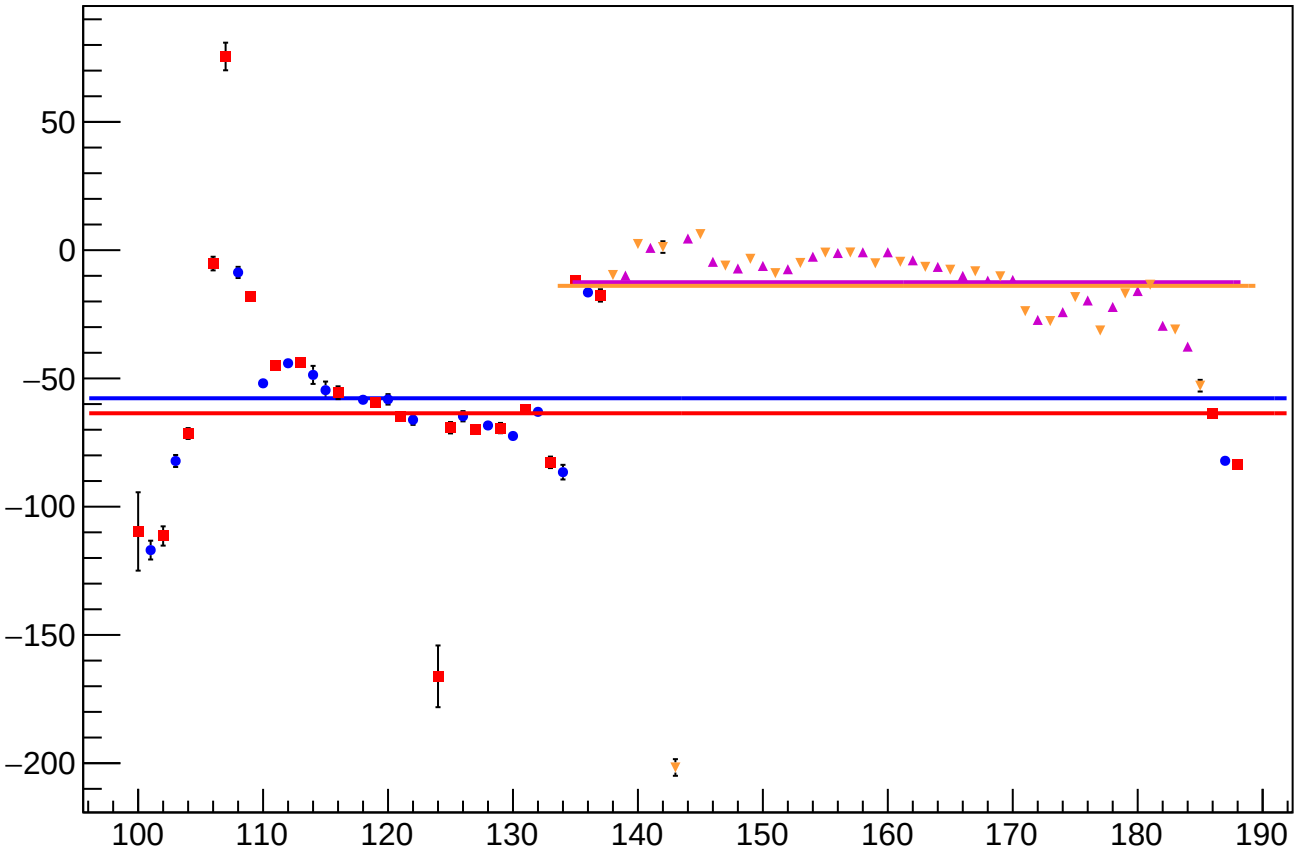
Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 8.527+/-0.222 χ^2/NDF: 11417.4/41

All: 10.948+/-0.153 χ^2/NDF: 26889.7/85

- sign 13.104+/-0.210 χ^2/NDF: 15248.2/43


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
190
Right In: 2.278+/-0.433 χ²/NDF: 297.4/16
Left Out: 1.489+/-0.205 χ²/NDF:328.6/24
Right Out: 0.700+/-0.384 χ²/NDF: 314.5/20
Left In: 1.933+/-0.210 χ²/NDF:240.7/22
+ sign 1.633+/-0.185 χ²/NDF: 628.7/41
All: 1.641+/-0.131 χ²/NDF: 1191.8/85
- sign 1.649+/-0.185 χ²/NDF: 563.1/43



Right In: -57.734+/-0.442 χ^2/NDF: 2986.4/16

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

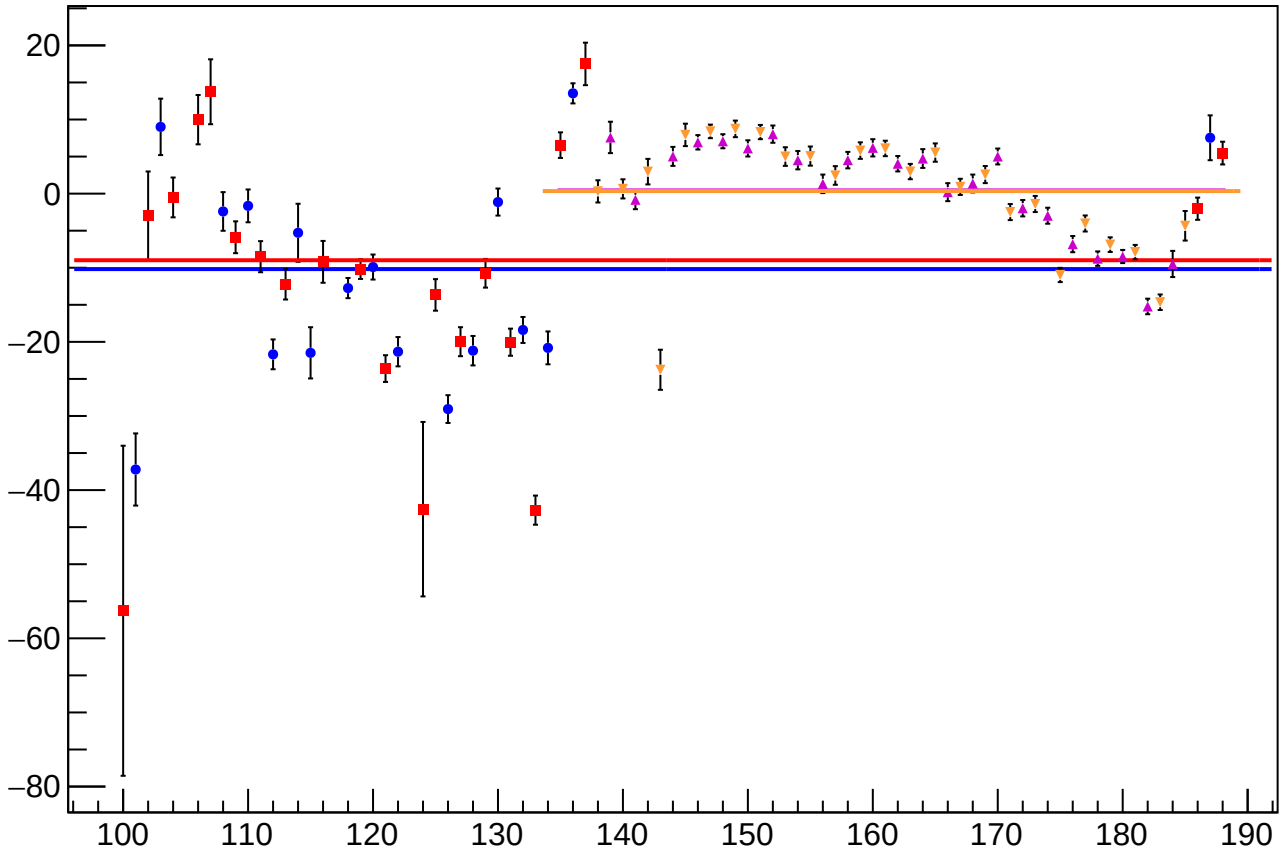
Right Out: -63.583+/-0.329 χ^2/NDF: 4922.8/20

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -25.464+/-0.227 χ^2/NDF: 15342.5/41

All: -29.506+/-0.153 χ^2/NDF: 36720.2/85

- sign -32.903+/-0.208 χ^2/NDF: 20794.9/43



Right In: -10.181+/-0.499 χ^2/NDF: 701.6/16

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

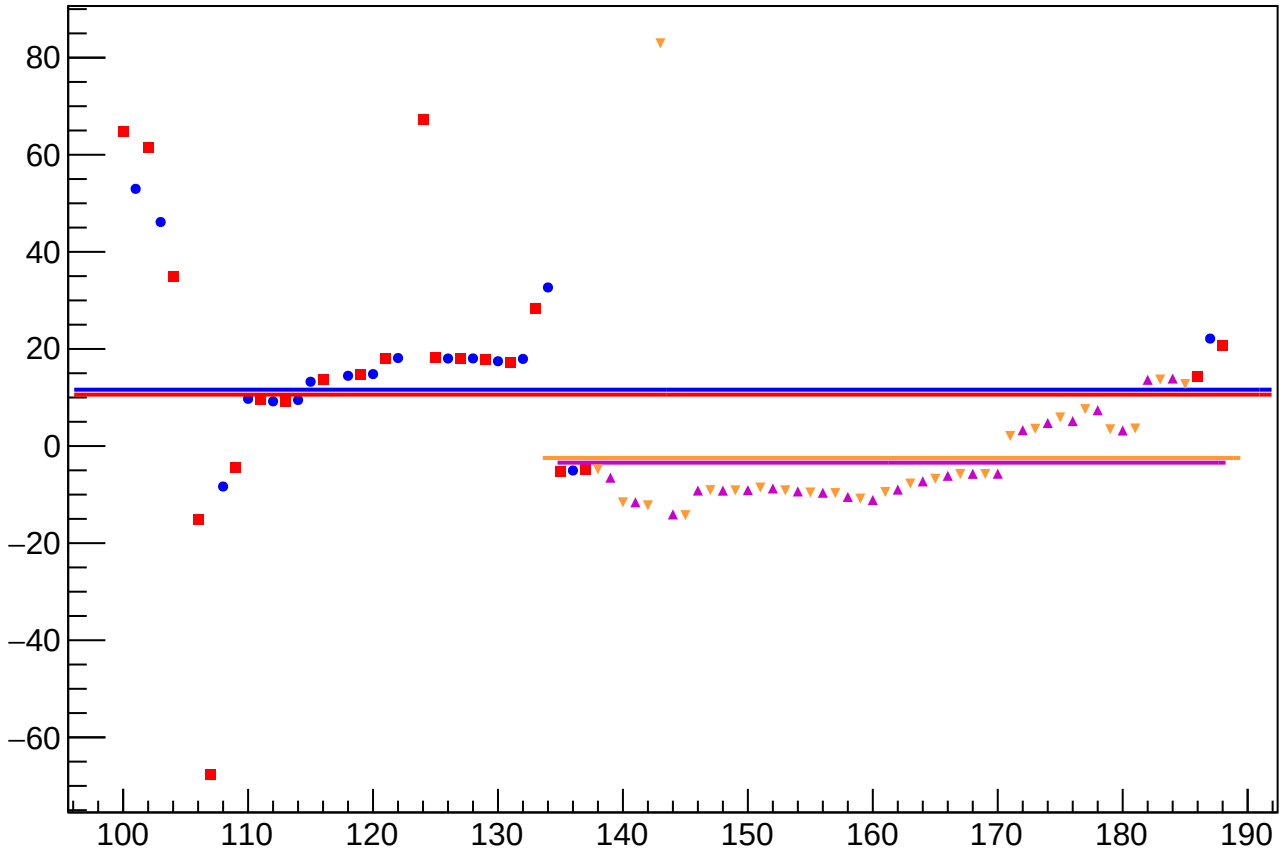
Right Out: -8.986+/-0.465 χ^2/NDF: 799.0/20

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.520+/-0.210 χ^2/NDF: 1990.3/41

All: -1.513+/-0.149 χ^2/NDF: 3897.4/85

\- sign -1.505+/-0.211 χ^2/NDF: 1907.1/43



Right In: 11.611+/-0.029 χ^2/NDF: 353395.2/16

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

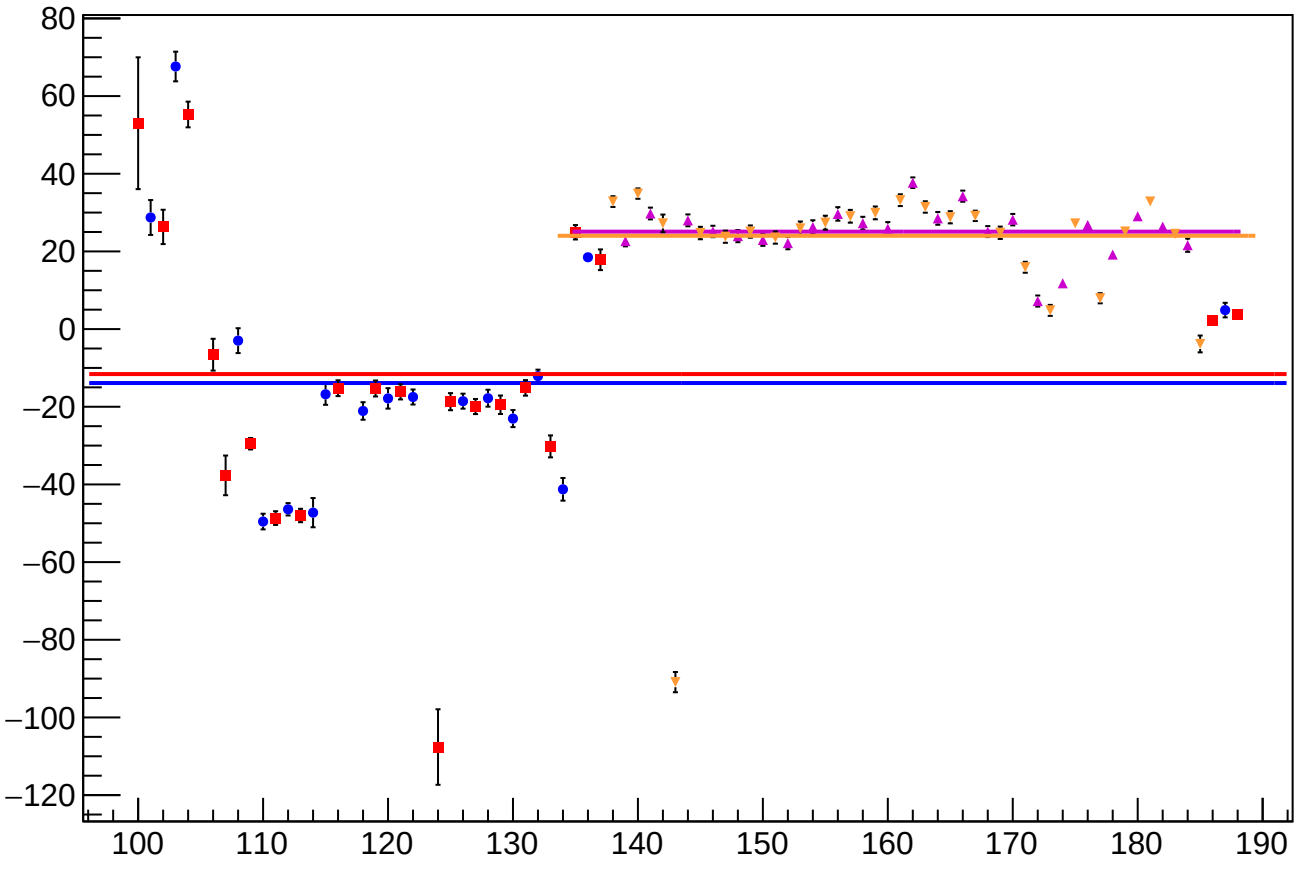
Right Out: 10.594+/-0.028 χ^2/NDF: 457213.9/20

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.906+/-0.010 χ^2/NDF: 1518064.8/41

All: -1.318+/-0.007 χ^2/NDF: 2742545.0/85

- sign -1.731+/-0.010 χ^2/NDF: 1220924.8/43



Right In: -13.890+/-0.518 χ^2/NDF: 2232.5/16

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

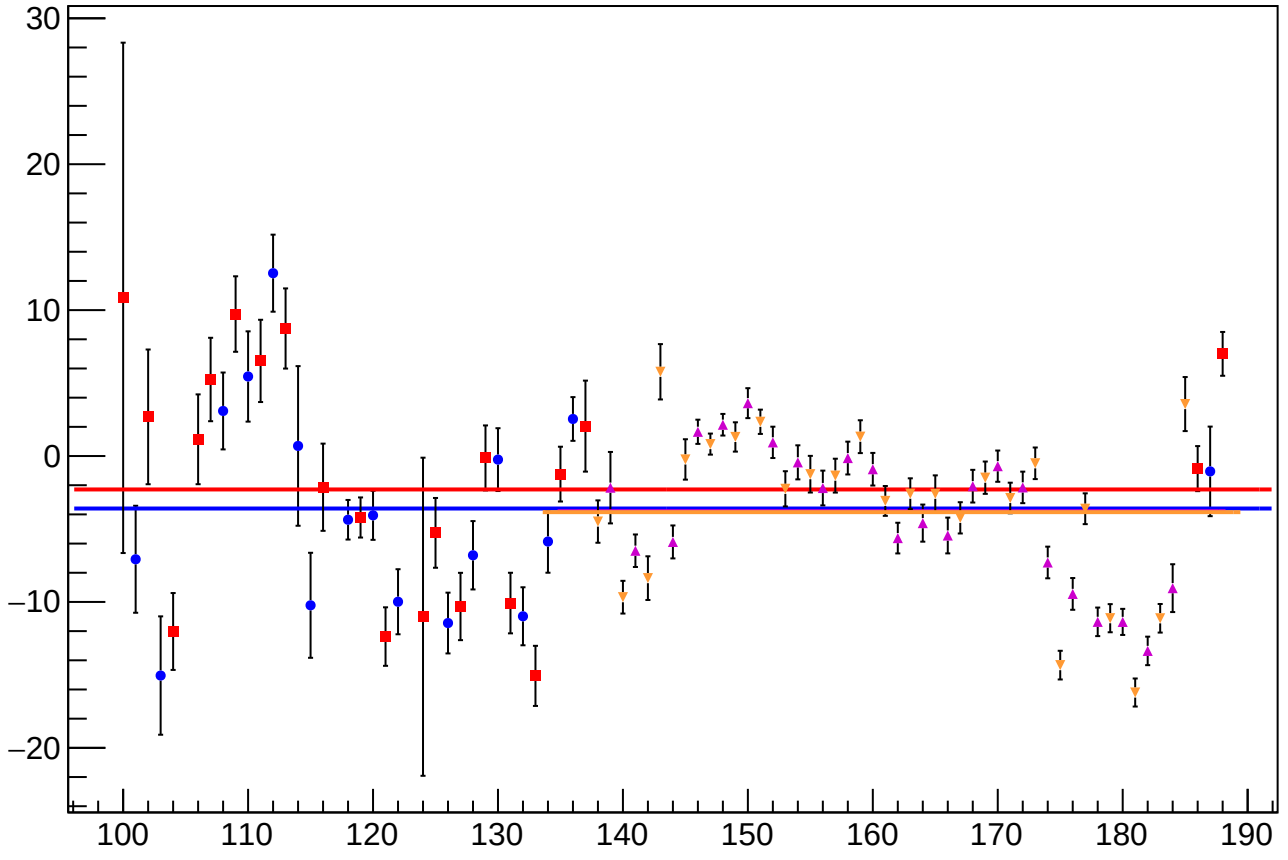
Right Out: -11.584+/-0.443 χ^2/NDF: 2592.3/20

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.359+/-0.248 χ^2/NDF: 9165.9/41

All: 14.784+/-0.173 χ^2/NDF: 17087.1/85

- sign 14.240+/-0.241 χ^2/NDF: 7910.7/43



Right In: -3.597+/-0.543 χ^2/NDF: 124.7/16

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -2.291+/-0.499 χ^2/NDF: 207.4/20

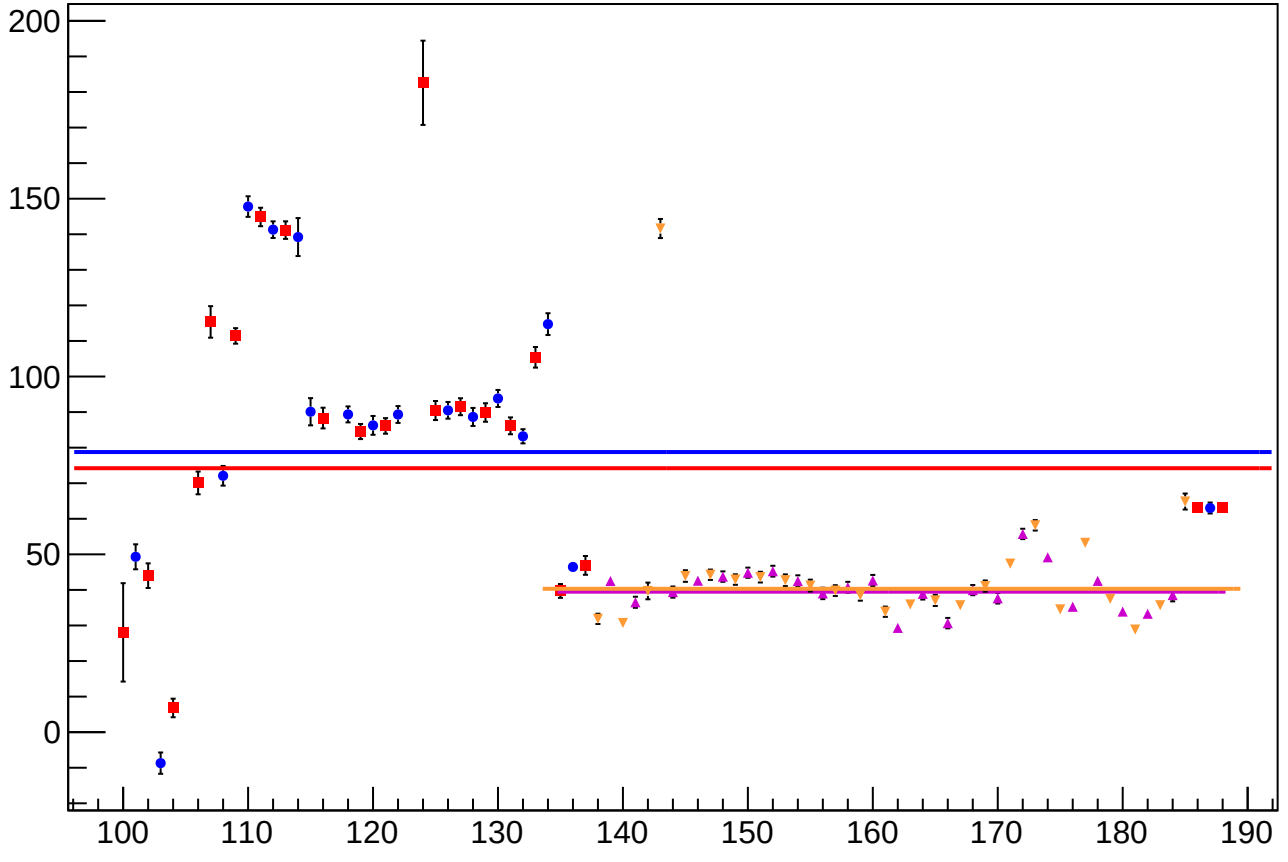
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.811+/-0.202 χ^2/NDF: 774.2/41

All: -3.672+/-0.144 χ^2/NDF: 1499.8/85

- sign -3.531+/-0.204 χ^2/NDF: 724.7/43

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 78.766+/-0.565 χ^2/NDF: 3350.7/16

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 74.218+/-0.448 χ^2/NDF: 3746.6/20

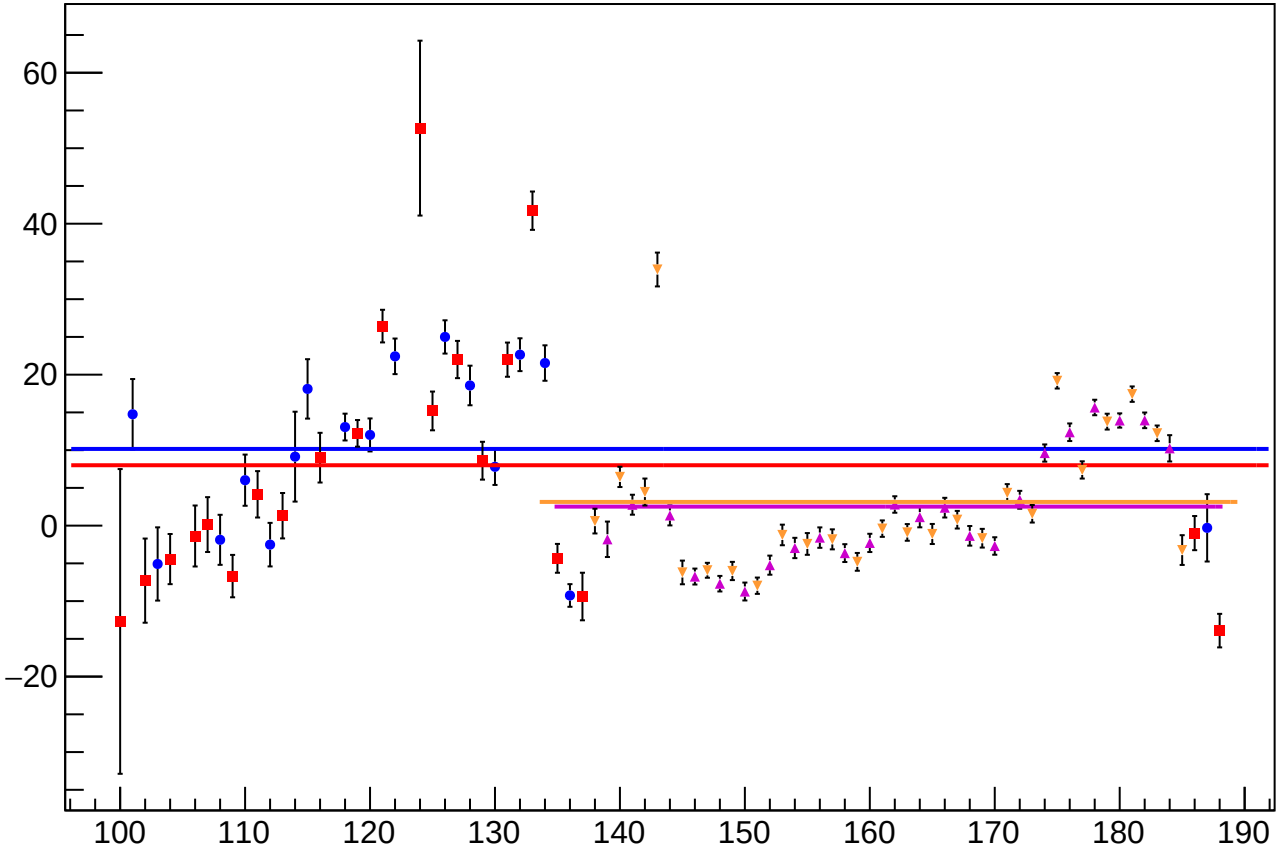
Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 47.906+/-0.251 χ^2/NDF: 9252.2/41

All: 48.741+/-0.174 χ^2/NDF: 17735.5/85

\- sign 49.507+/-0.240 χ^2/NDF: 8462.1/43

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 10.161+/-0.620 χ^2/NDF: 365.4/16

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

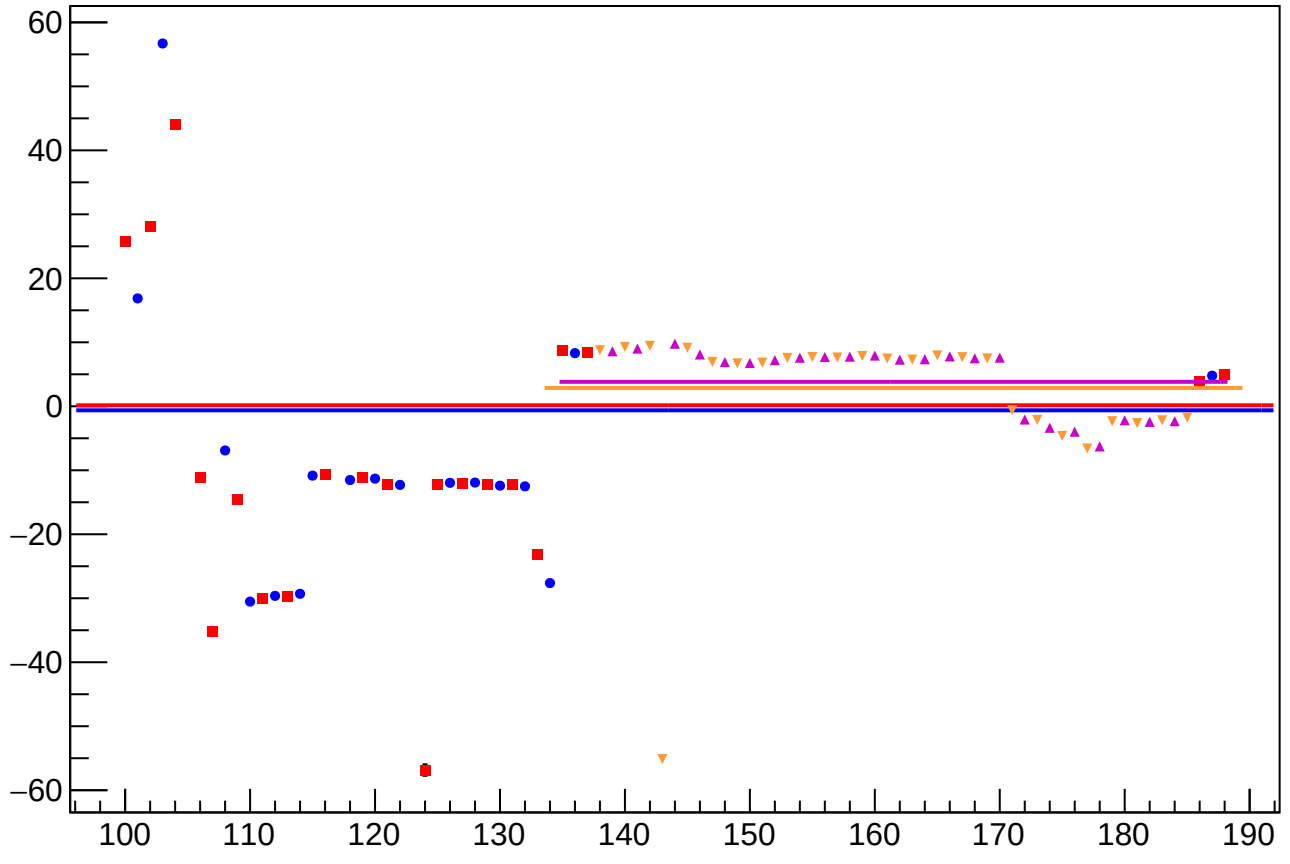
Right Out: 8.000+/-0.594 χ^2/NDF: 599.5/20

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 4.092+/-0.228 χ^2/NDF: 1743.0/41

All: 3.726+/-0.162 χ^2/NDF: 3388.2/85

- sign 3.350+/-0.231 χ^2/NDF: 1640.0/43



Right In: -0.629+/-0.036 χ^2/NDF: 368491.5/16

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 0.154+/-0.034 χ^2/NDF: 319404.2/20

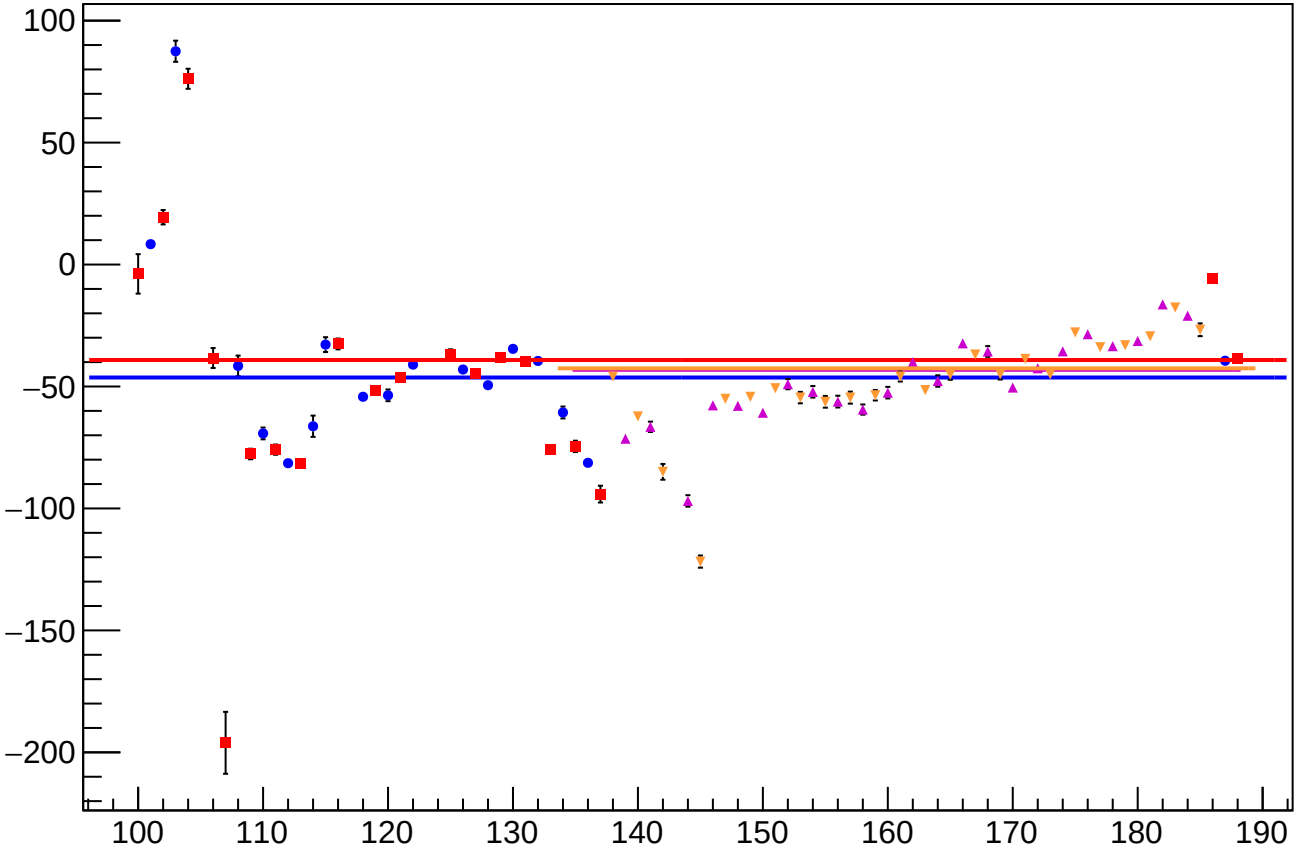
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.564+/-0.010 χ^2/NDF: 889688.2/41

All: 3.019+/-0.007 χ^2/NDF: 1456385.1/85

- sign 3.480+/-0.011 χ^2/NDF: 562918.3/43

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -46.314+/-0.497 χ^2/NDF: 2799.2/16

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -39.147+/-0.402 χ^2/NDF: 4734.5/19

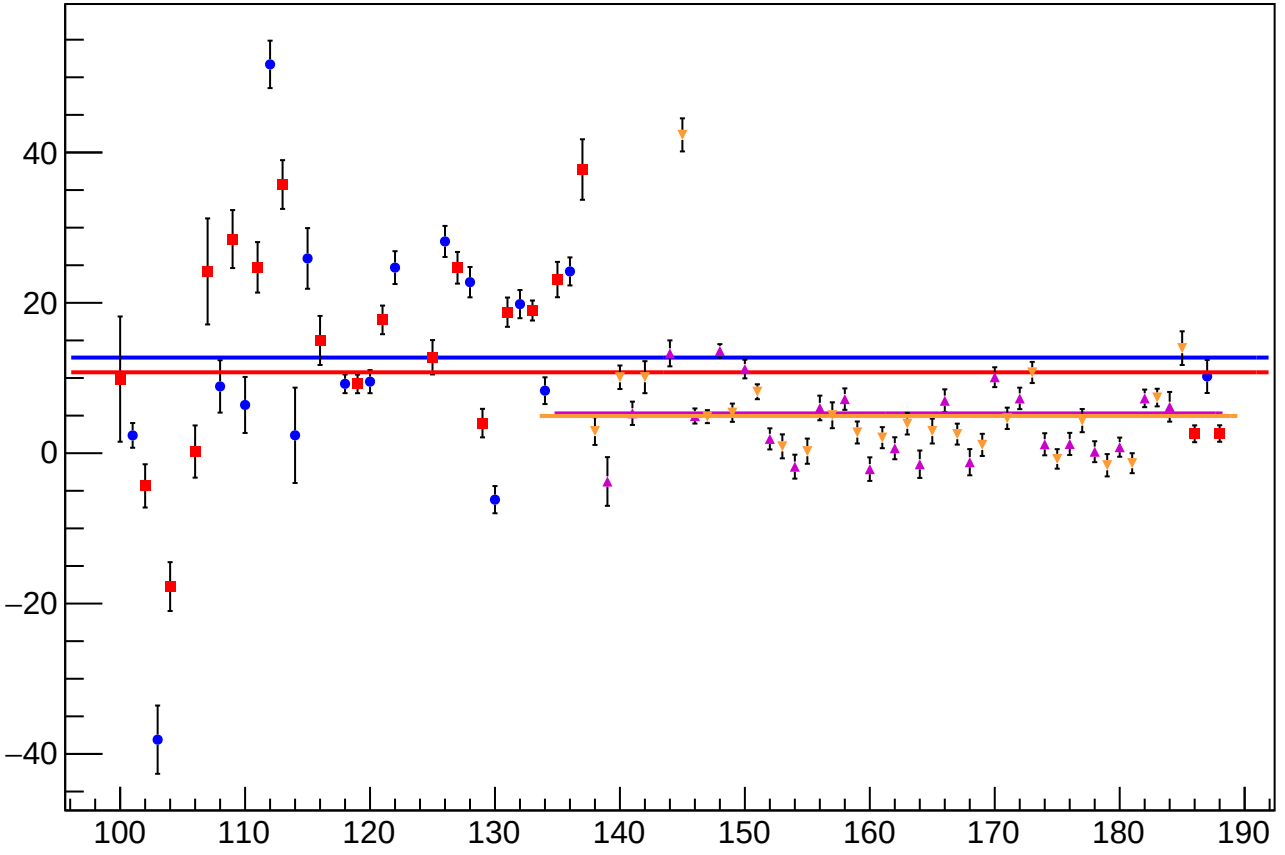
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -43.936+/-0.301 χ^2/NDF: 5161.7/40

All: -42.482+/-0.204 χ^2/NDF: 12198.1/83

\- sign -41.253+/-0.277 χ^2/NDF: 6993.4/42

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.720+/-0.505 χ^2/NDF: 626.9/16

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.761+/-0.447 χ^2/NDF: 524.5/19

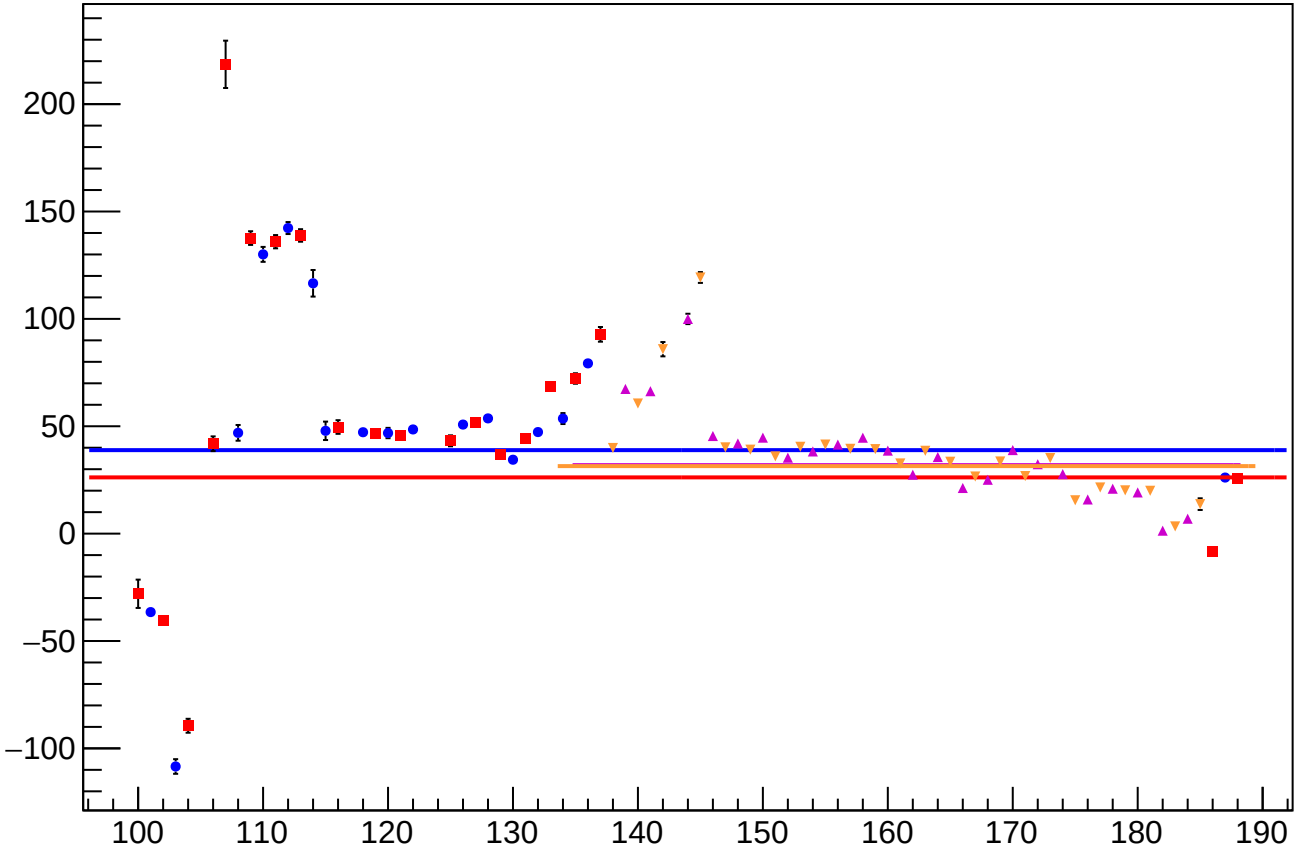
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.866+/-0.250 χ^2/NDF: 1254.3/40

All: 6.906+/-0.175 χ^2/NDF: 2169.6/83

- sign 6.945+/-0.246 χ^2/NDF: 915.3/42

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 38.878+/-0.517 χ^2/NDF: 7339.0/16

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 26.188+/-0.377 χ^2/NDF: 10508.1/19

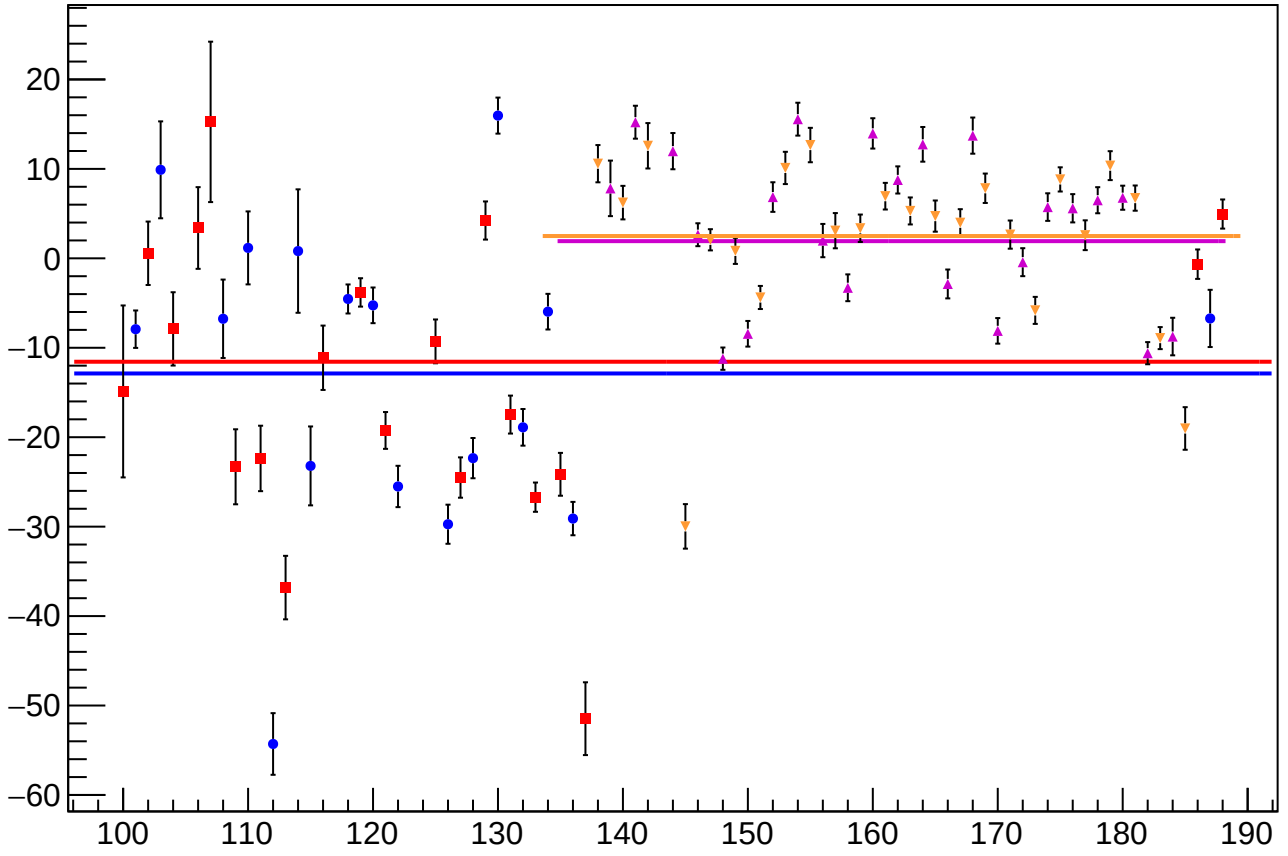
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 34.010+/-0.304 χ^2/NDF: 10236.7/40

All: 31.204+/-0.201 χ^2/NDF: 23777.5/83

\- sign 29.035+/-0.267 χ^2/NDF: 13389.5/42

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -12.874+/-0.589 χ^2/NDF: 643.7/16

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -11.562+/-0.551 χ^2/NDF: 589.8/19

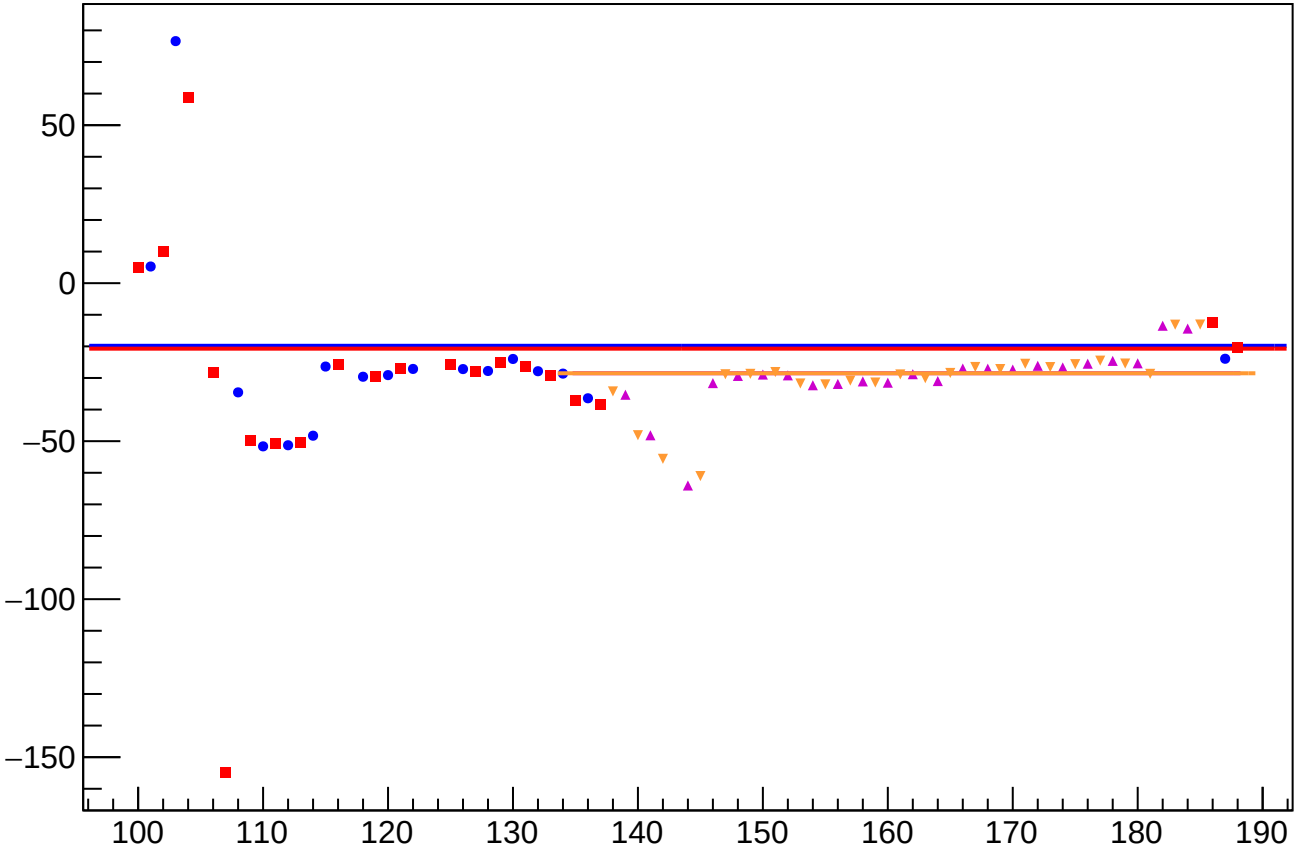
Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -1.118+/-0.286 χ^2/NDF: 1722.4/40

All: -1.394+/-0.202 χ^2/NDF: 3431.9/83

- sign -1.668+/-0.284 χ^2/NDF: 1707.7/42

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -19.817+/-0.035 χ^2/NDF: 647491.4/16

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.724+/-0.034 χ^2/NDF: 552367.2/19

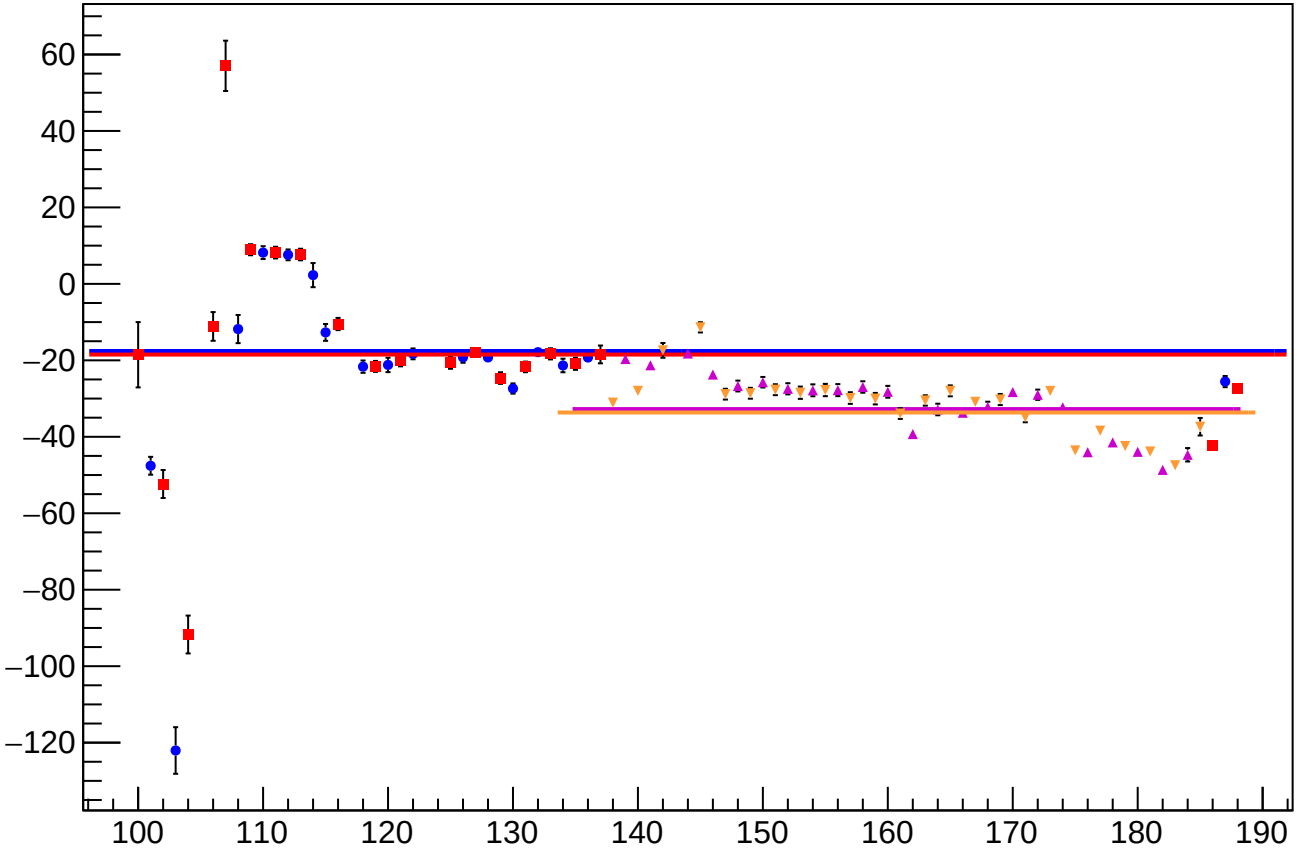
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -27.223+/-0.014 χ^2/NDF: 1032734.9/40

All: -27.226+/-0.010 χ^2/NDF: 1917730.7/83

- sign -27.229+/-0.014 χ^2/NDF: 884995.7/42

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -17.561+/-0.389 χ^2/NDF: 1160.5/16

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -18.490+/-0.353 χ^2/NDF: 1930.8/19

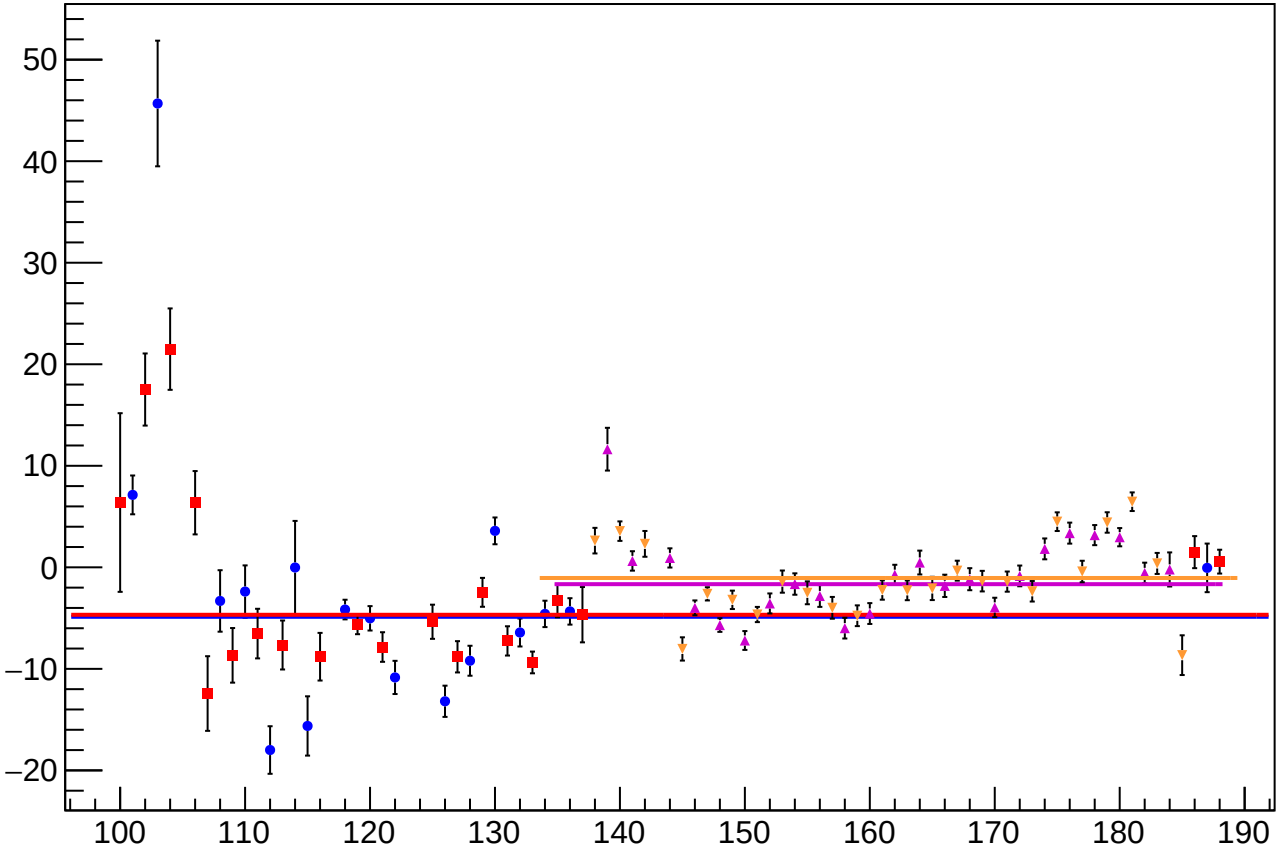
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -28.546+/-0.219 χ^2/NDF: 3342.4/40

All: -28.017+/-0.153 χ^2/NDF: 7463.5/83

- sign -27.514+/-0.214 χ^2/NDF: 4109.7/42

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.870+/-0.396 χ^2/NDF: 251.9/16

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -4.674+/-0.383 χ^2/NDF: 181.5/19

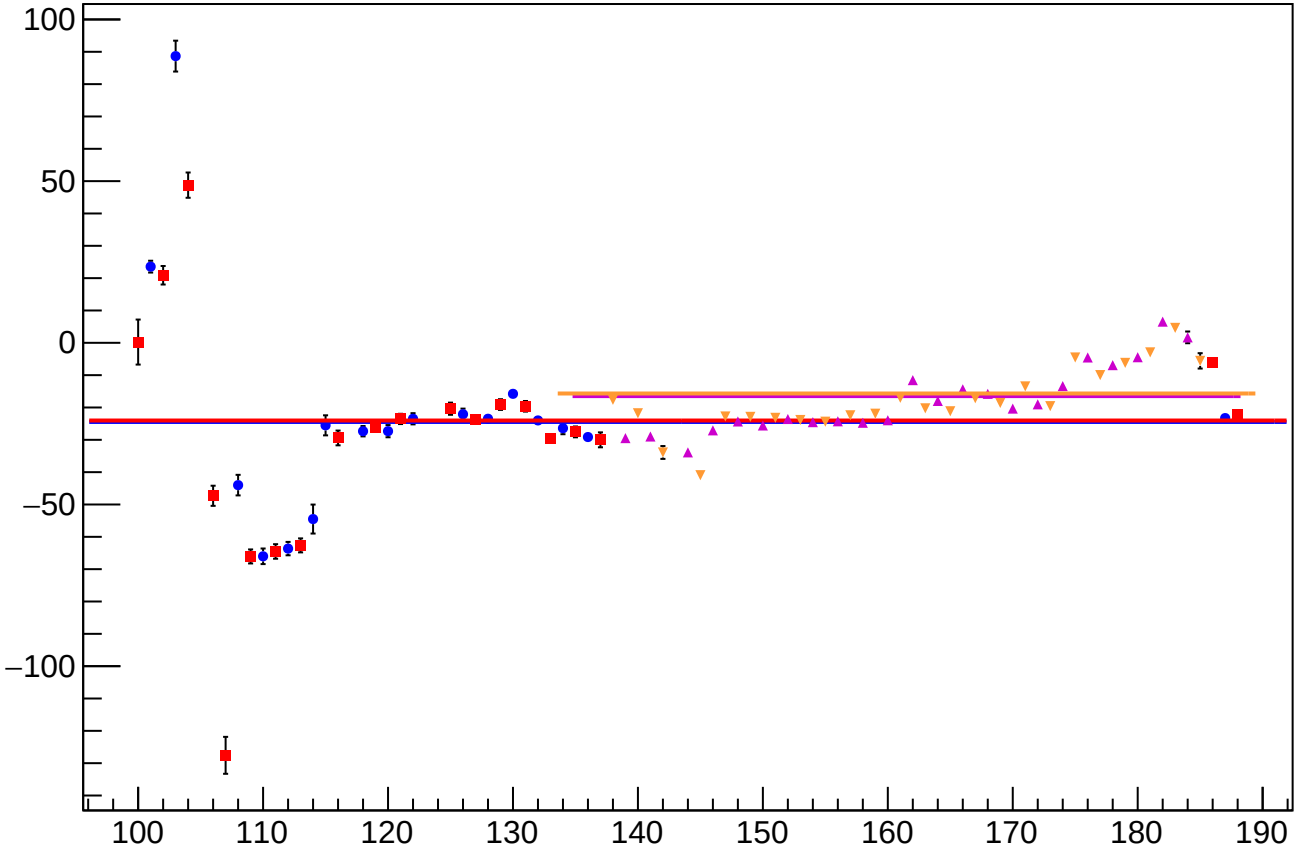
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.845+/-0.181 χ^2/NDF: 615.1/40

All: -2.090+/-0.128 χ^2/NDF: 1112.6/83

- sign -2.339+/-0.182 χ^2/NDF: 493.8/42

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.469+/-0.425 χ^2/NDF: 2053.0/16

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -24.029+/-0.362 χ^2/NDF: 2391.1/19

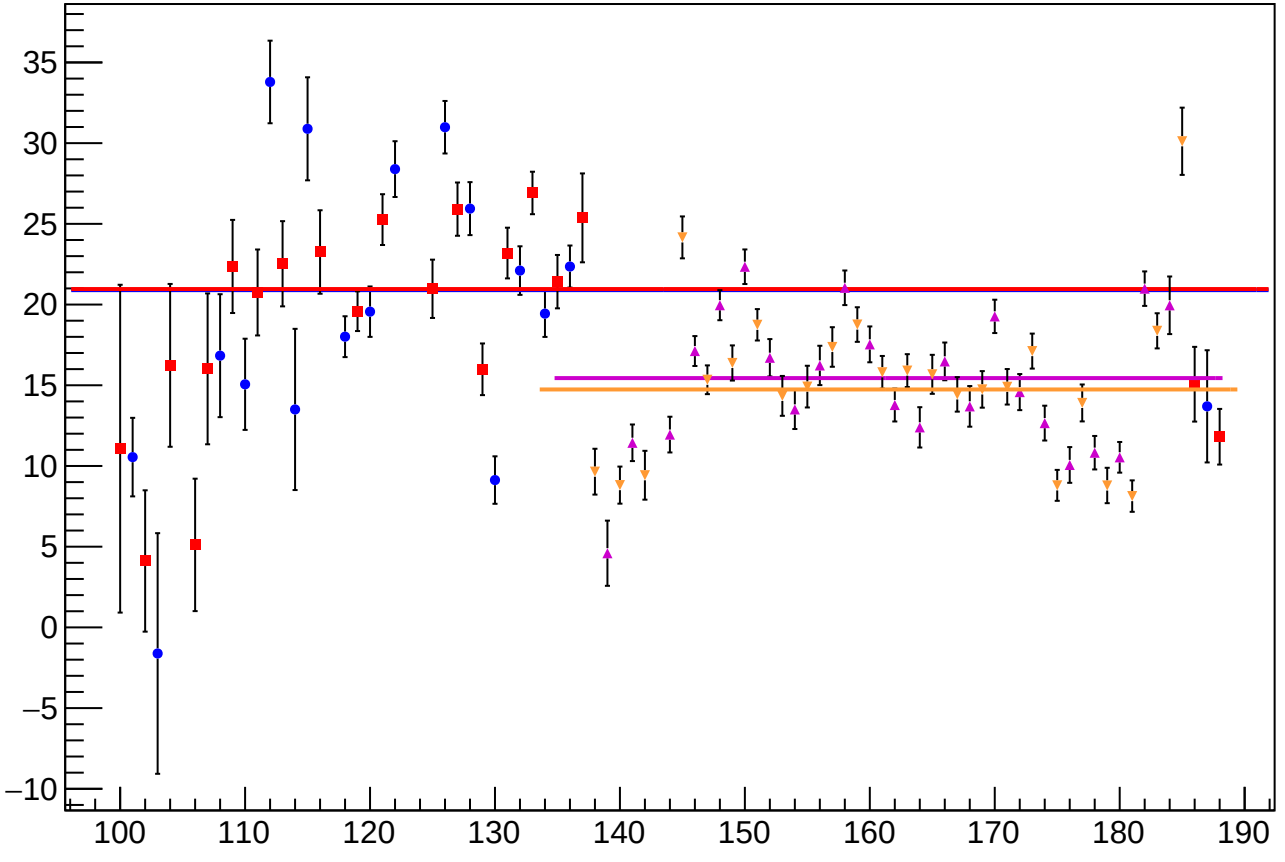
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -18.107+/-0.224 χ^2/NDF: 3883.1/40

All: -18.637+/-0.155 χ^2/NDF: 8264.8/83

- sign -19.124+/-0.214 χ^2/NDF: 4371.0/42

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 20.893+/-0.454 χ^2/NDF: 214.0/16

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 20.961+/-0.452 χ^2/NDF: 121.2/19

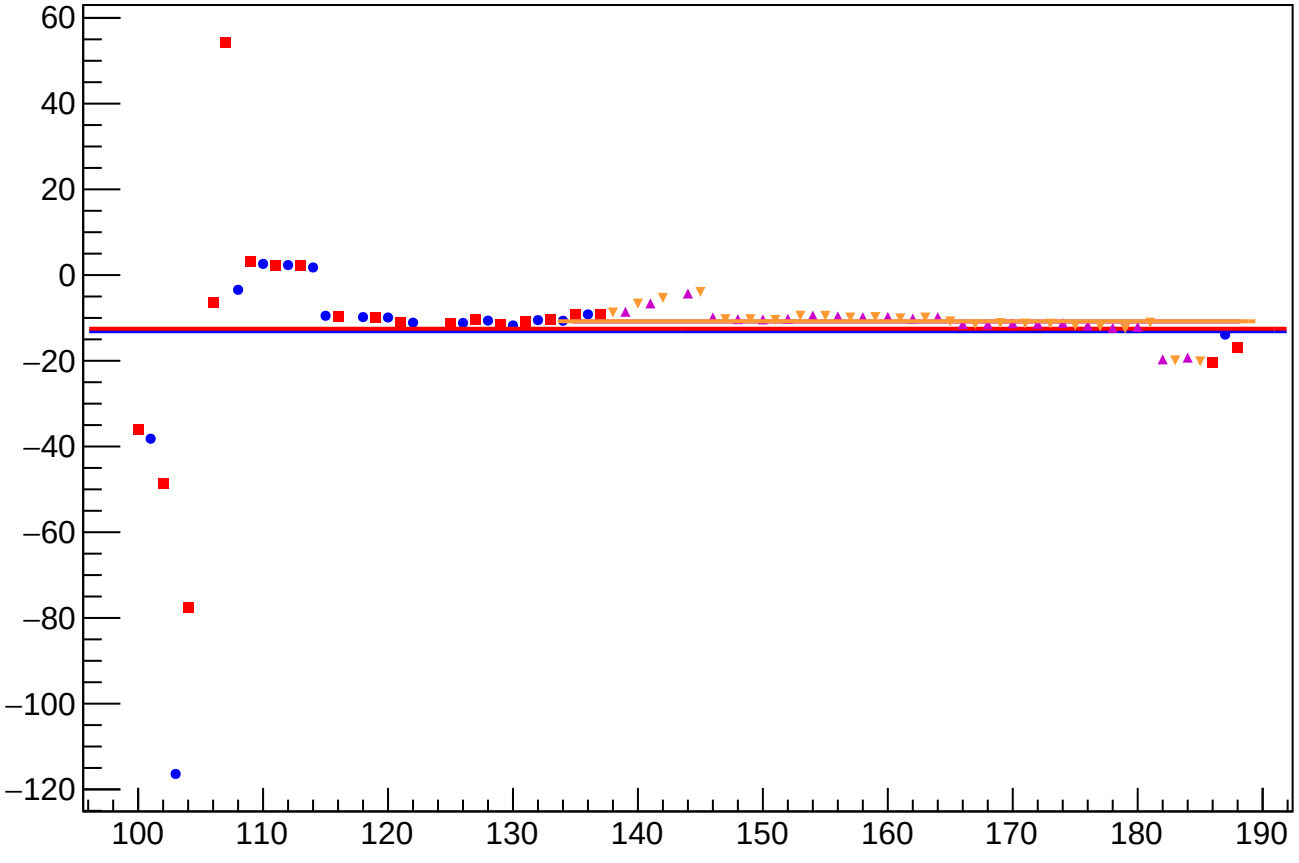
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.991+/-0.205 χ^2/NDF: 691.2/40

All: 16.293+/-0.146 χ^2/NDF: 1224.8/83

- sign 16.602+/-0.207 χ^2/NDF: 529.2/42

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.103+/-0.028 χ^2/NDF: 344958.7/16

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -12.525+/-0.028 χ^2/NDF: 320277.1/19

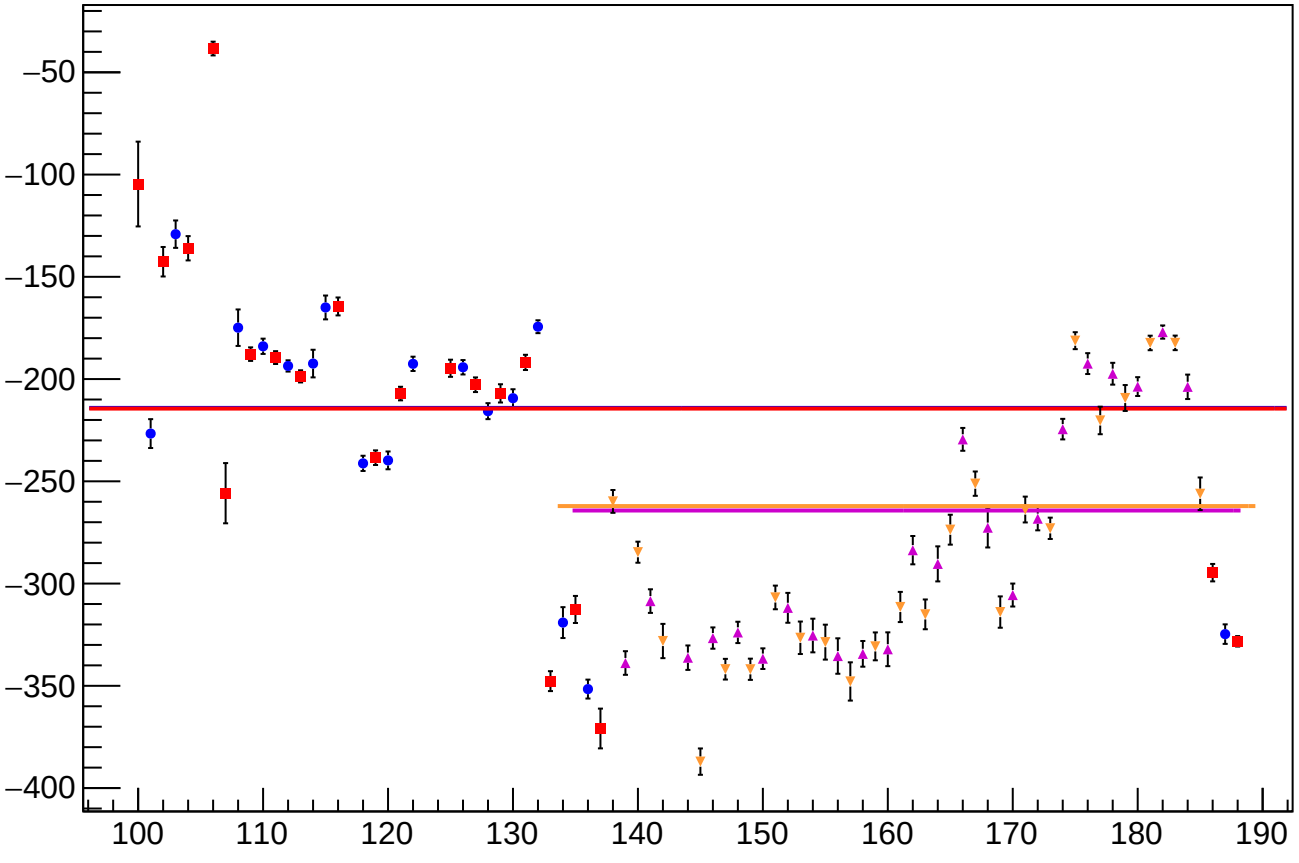
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.053+/-0.010 χ^2/NDF: 435756.3/40

All: -11.042+/-0.007 χ^2/NDF: 833277.1/83

- sign -11.031+/-0.010 χ^2/NDF: 397518.4/42

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -214.106+/-1.041 χ^2/NDF: 2314.7/16

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -214.428+/-0.909 χ^2/NDF: 7023.8/19

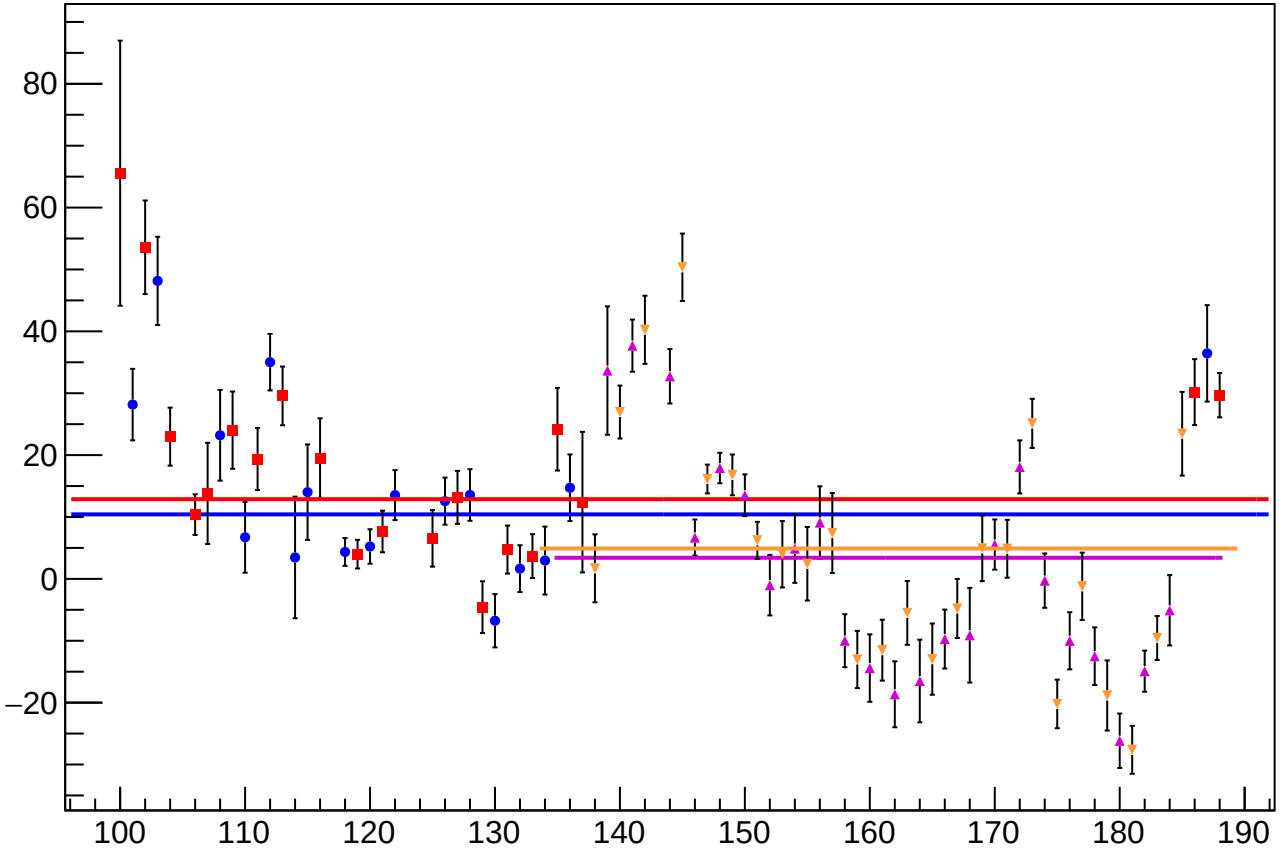
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -235.125+/-0.780 χ^2/NDF: 6210.7/40

All: -233.913+/-0.530 χ^2/NDF: 17094.0/83

- sign -232.877+/-0.721 χ^2/NDF: 10878.9/42

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 10.424+/-1.056 χ^2/NDF: 117.9/16

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 12.879+/-0.985 χ^2/NDF: 141.7/19

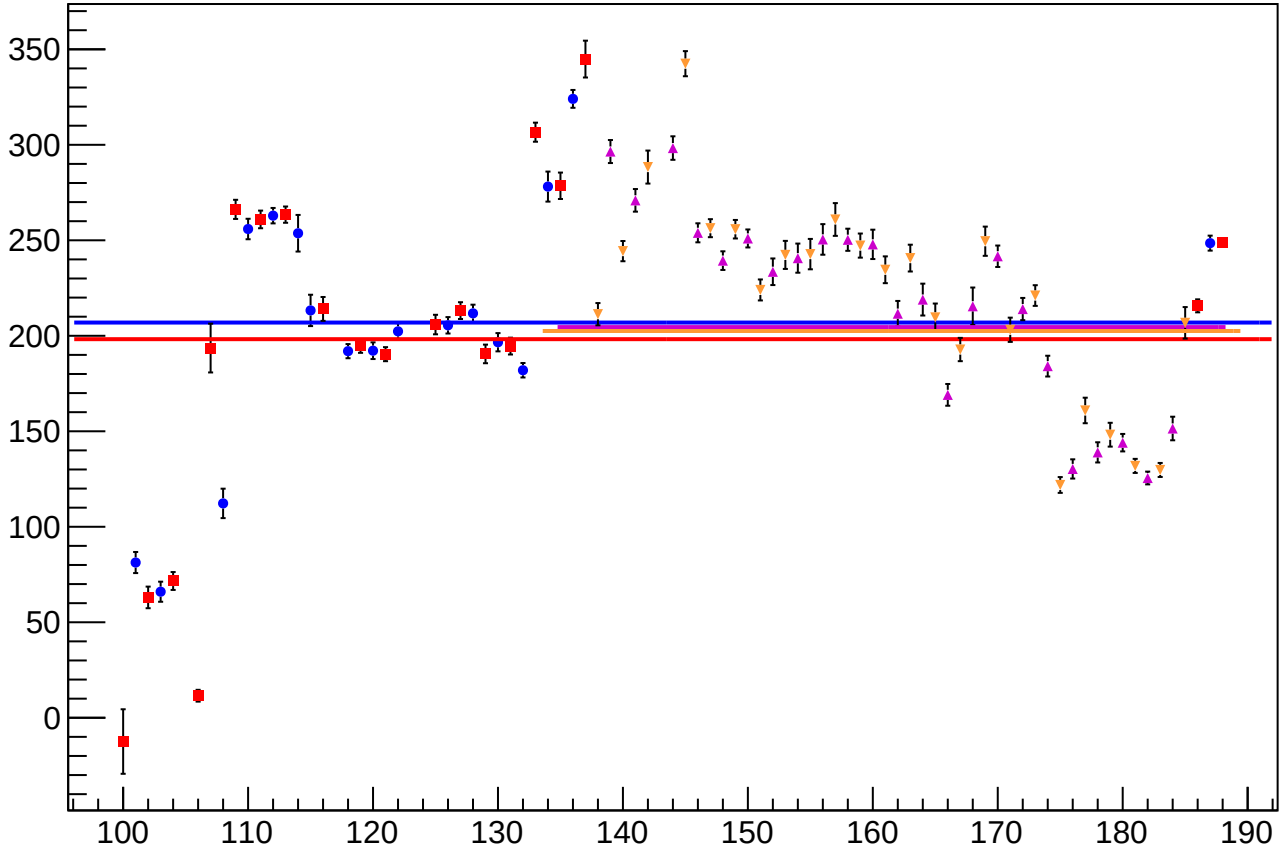
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 7.189+/-0.679 χ^2/NDF: 532.9/40

All: 7.462+/-0.475 χ^2/NDF: 1058.5/83

- sign 7.724+/-0.665 χ^2/NDF: 525.4/42

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 206.932+/-1.170 χ^2/NDF: 2587.5/16

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 198.230+/-0.959 χ^2/NDF: 7206.9/19

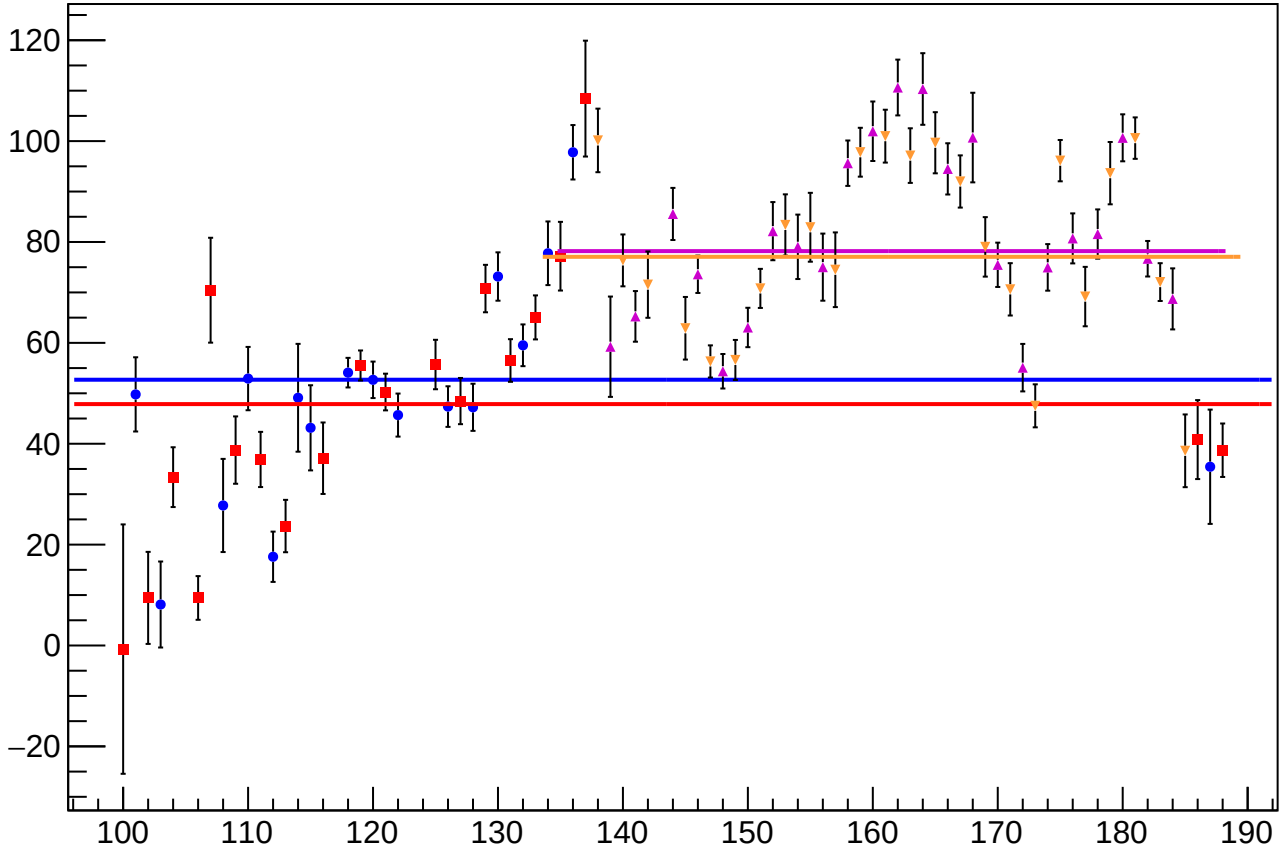
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 204.727+/-0.828 χ^2/NDF: 4988.1/40

All: 202.529+/-0.553 χ^2/NDF: 14510.8/83

- sign 200.756+/-0.744 χ^2/NDF: 9509.9/42

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.692+/-1.234 χ^2/NDF: 200.7/16

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 47.861+/-1.170 χ^2/NDF: 244.1/19

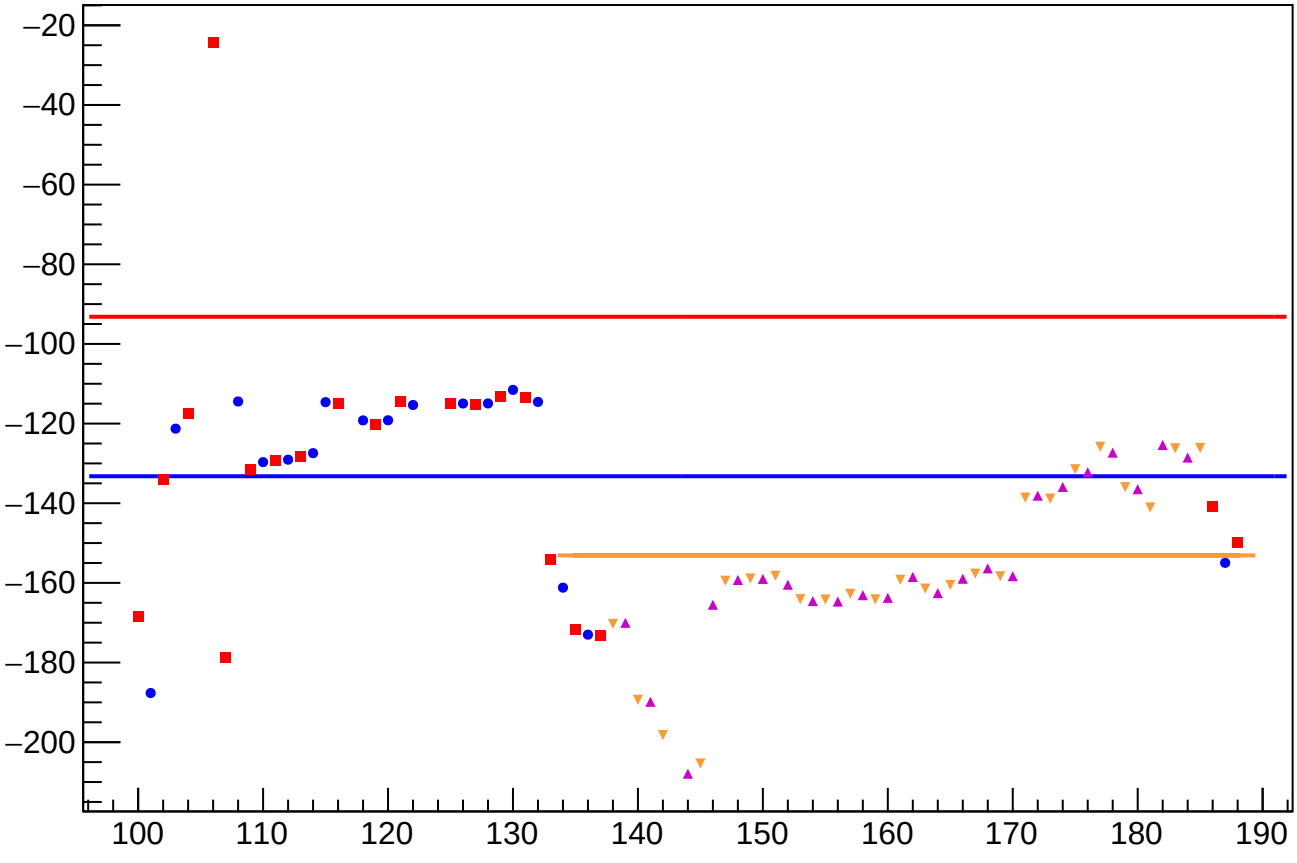
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 67.226+/-0.784 χ^2/NDF: 744.5/40

All: 66.102+/-0.550 χ^2/NDF: 1605.0/83

- sign 65.015+/-0.771 χ^2/NDF: 856.5/42

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -133.224+/-0.081 χ^2/NDF: 94727.9/16

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -93.176+/-0.062 χ^2/NDF: 788158.7/19

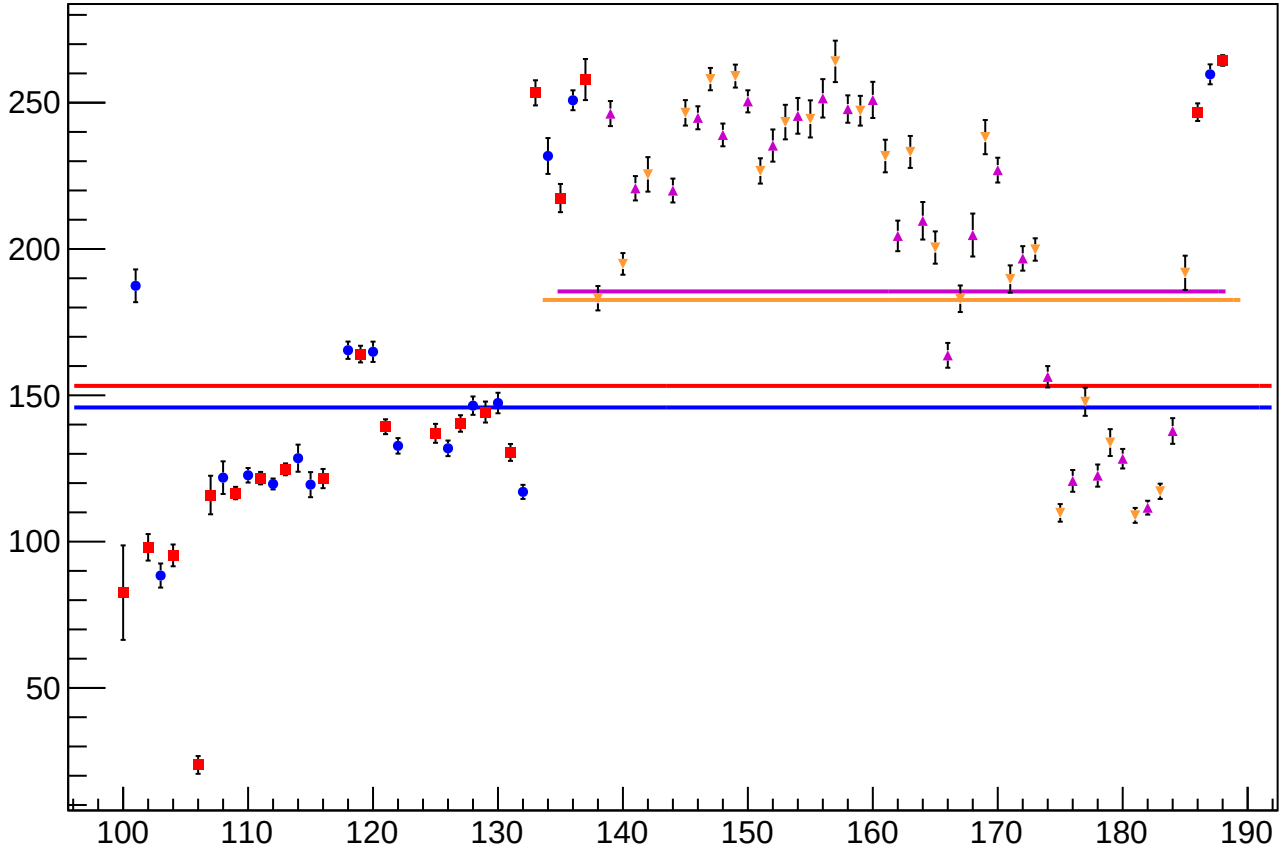
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -148.069+/-0.041 χ^2/NDF: 317594.4/40

All: -139.022+/-0.027 χ^2/NDF: 1962280.1/83

- sign -131.395+/-0.037 χ^2/NDF: 1552985.3/42

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 145.851+/-0.765 χ^2/NDF: 3141.5/16

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 153.225+/-0.664 χ^2/NDF: 8924.6/19

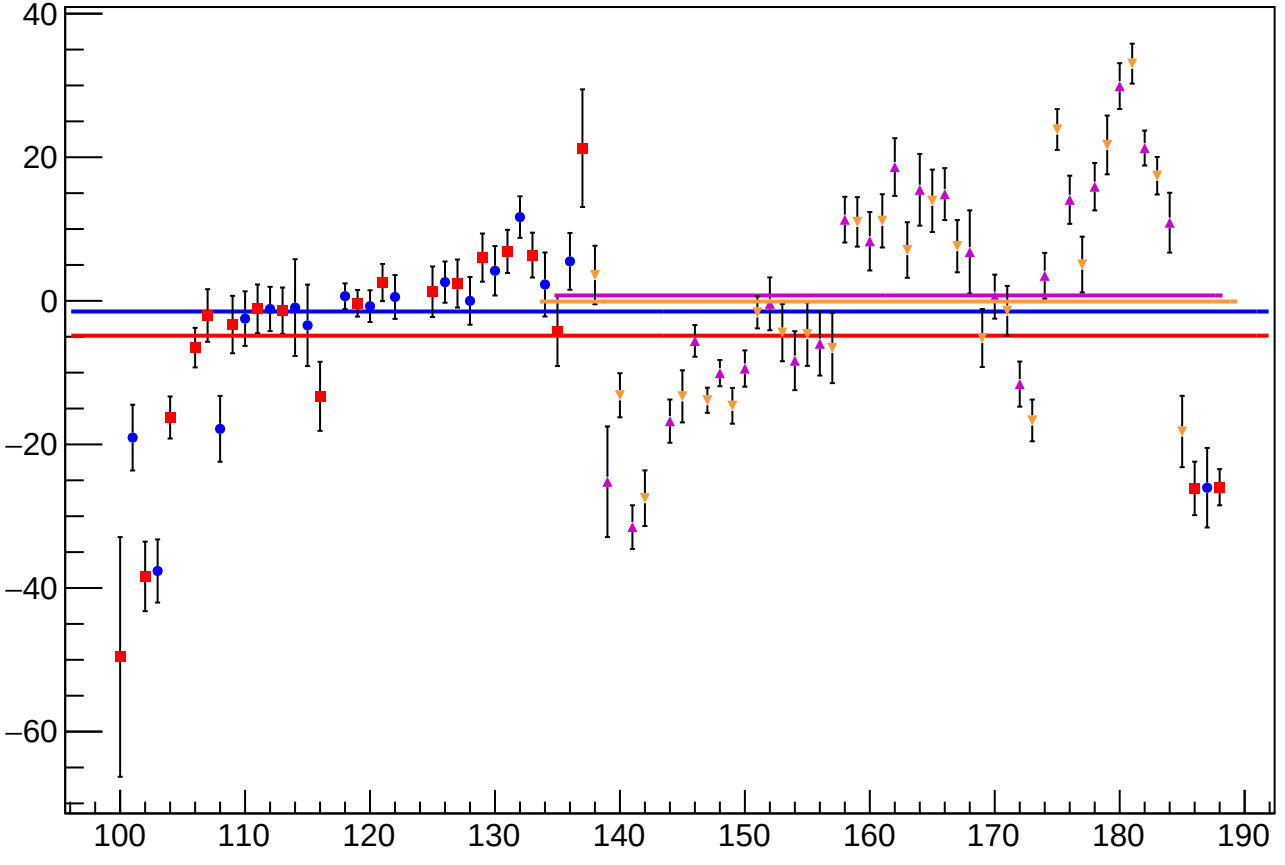
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 161.946+/-0.573 χ^2/NDF: 8305.4/40

All: 163.626+/-0.388 χ^2/NDF: 21934.9/83

- sign 165.054+/-0.528 χ^2/NDF: 13613.6/42

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -1.485+/-0.800 χ^2/NDF: 146.1/16

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -4.851+/-0.734 χ^2/NDF: 250.4/19

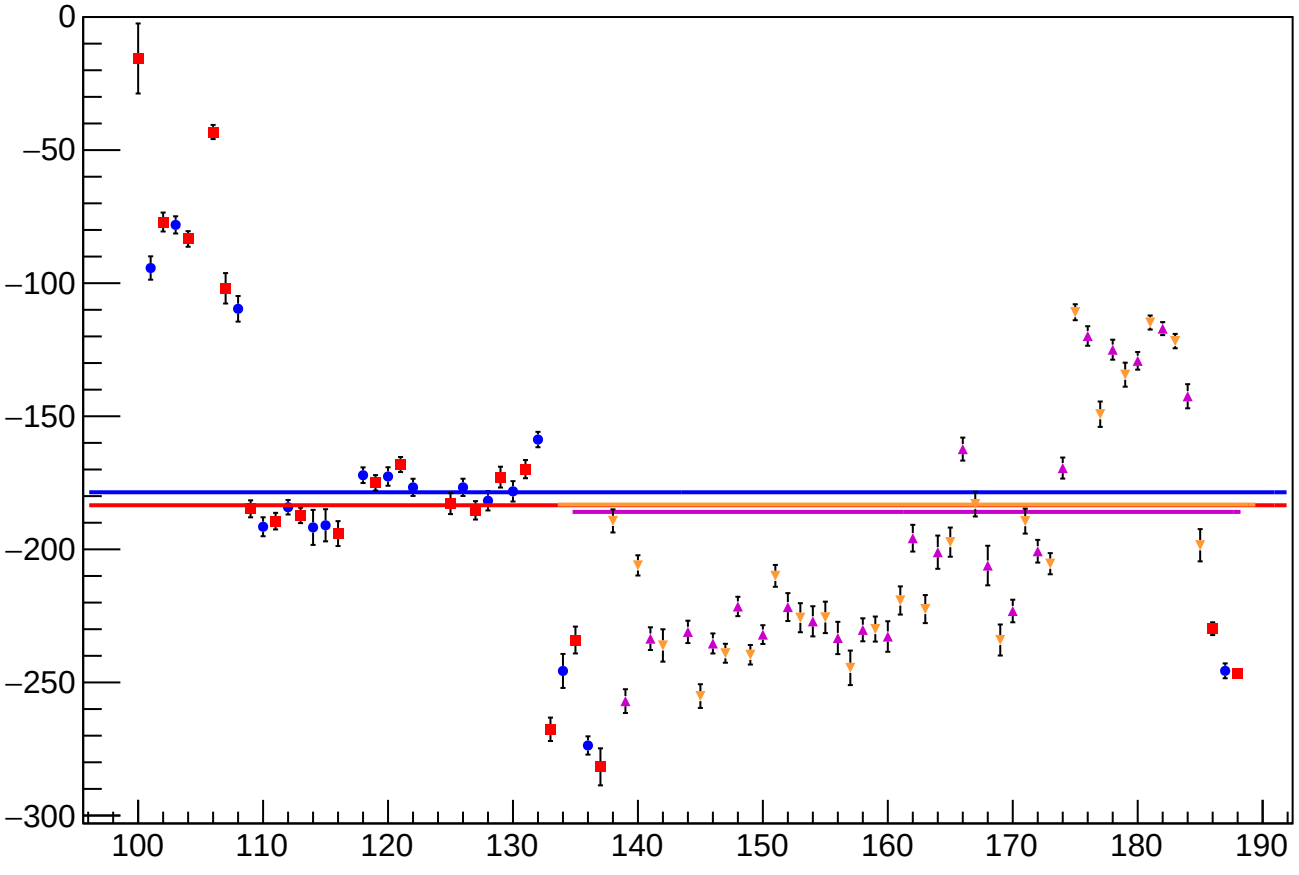
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -0.651+/-0.507 χ^2/NDF: 703.2/40

All: -1.231+/-0.353 χ^2/NDF: 1485.9/83

- sign -1.779+/-0.493 χ^2/NDF: 780.2/42

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -178.553+/-0.863 χ^2/NDF: 3078.1/16

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -183.430+/-0.700 χ^2/NDF: 8183.6/19

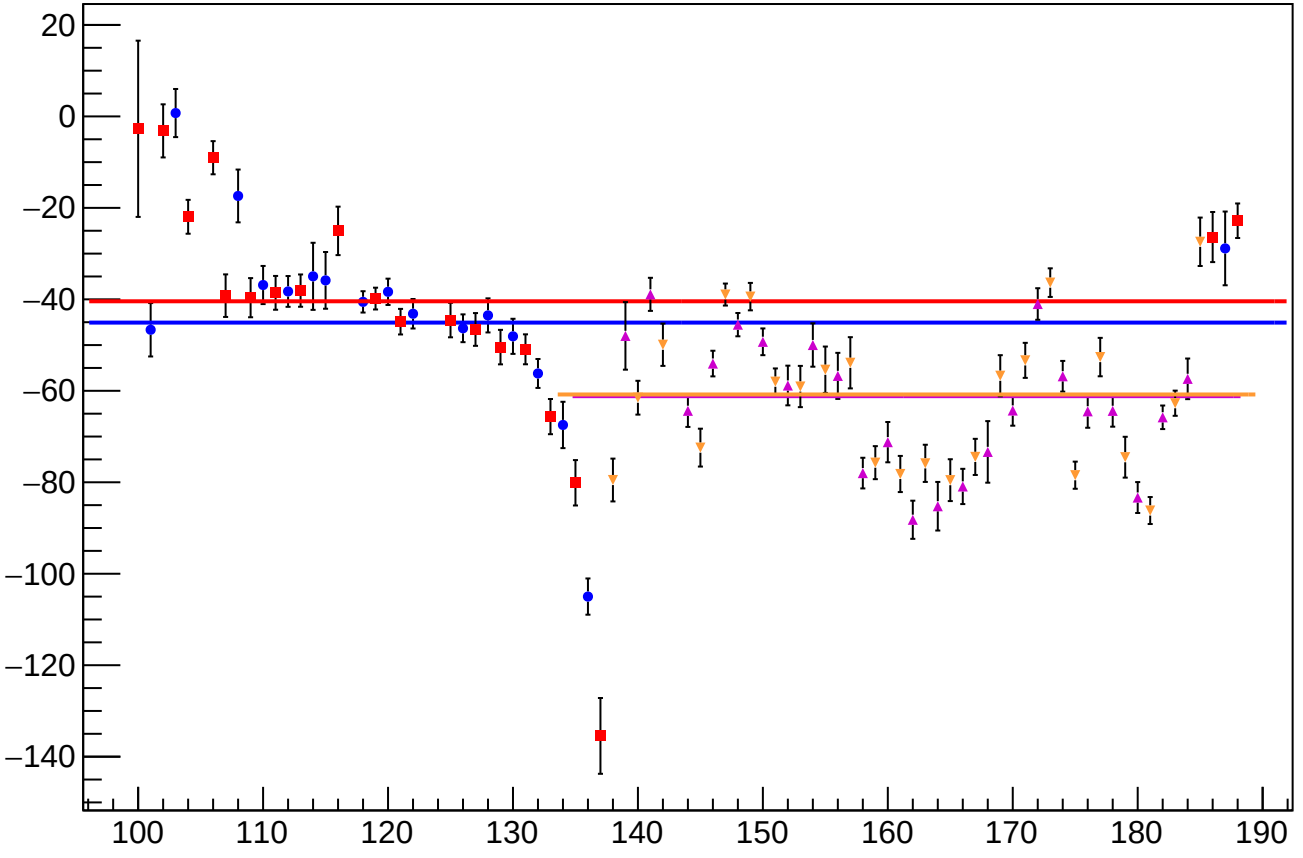
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -180.865+/-0.610 χ^2/NDF: 6453.6/40

All: -182.842+/-0.406 χ^2/NDF: 17842.7/83

- sign -184.420+/-0.545 χ^2/NDF: 11370.2/42

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.085+/-0.931 χ^2/NDF: 386.1/16

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -40.424+/-0.873 χ^2/NDF: 445.0/19

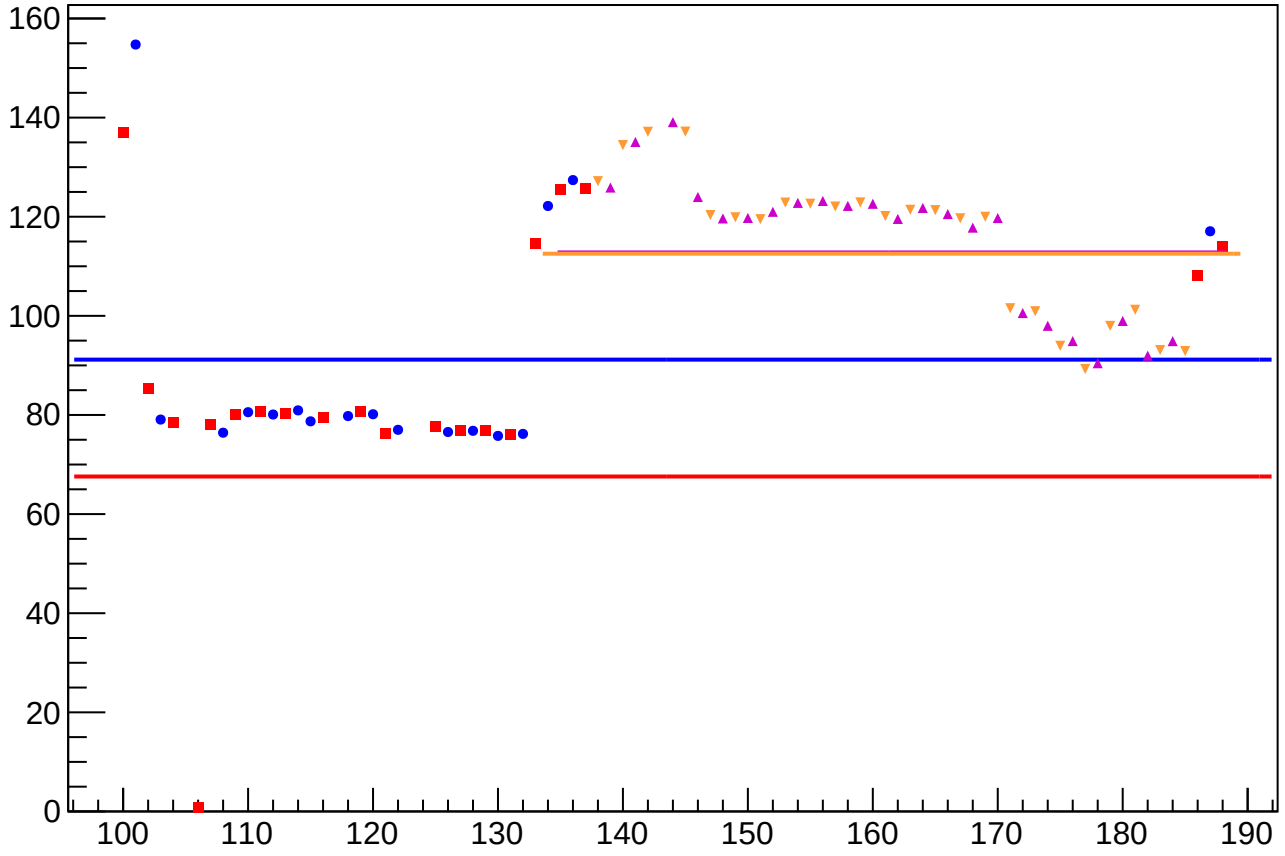
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -54.629+/-0.584 χ^2/NDF: 1033.1/40

All: -53.424+/-0.408 χ^2/NDF: 2125.9/83

- sign -52.267+/-0.572 χ^2/NDF: 1084.5/42

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 91.166+/-0.058 χ^2/NDF: 164546.0/16

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 67.584+/-0.047 χ^2/NDF: 731828.1/19

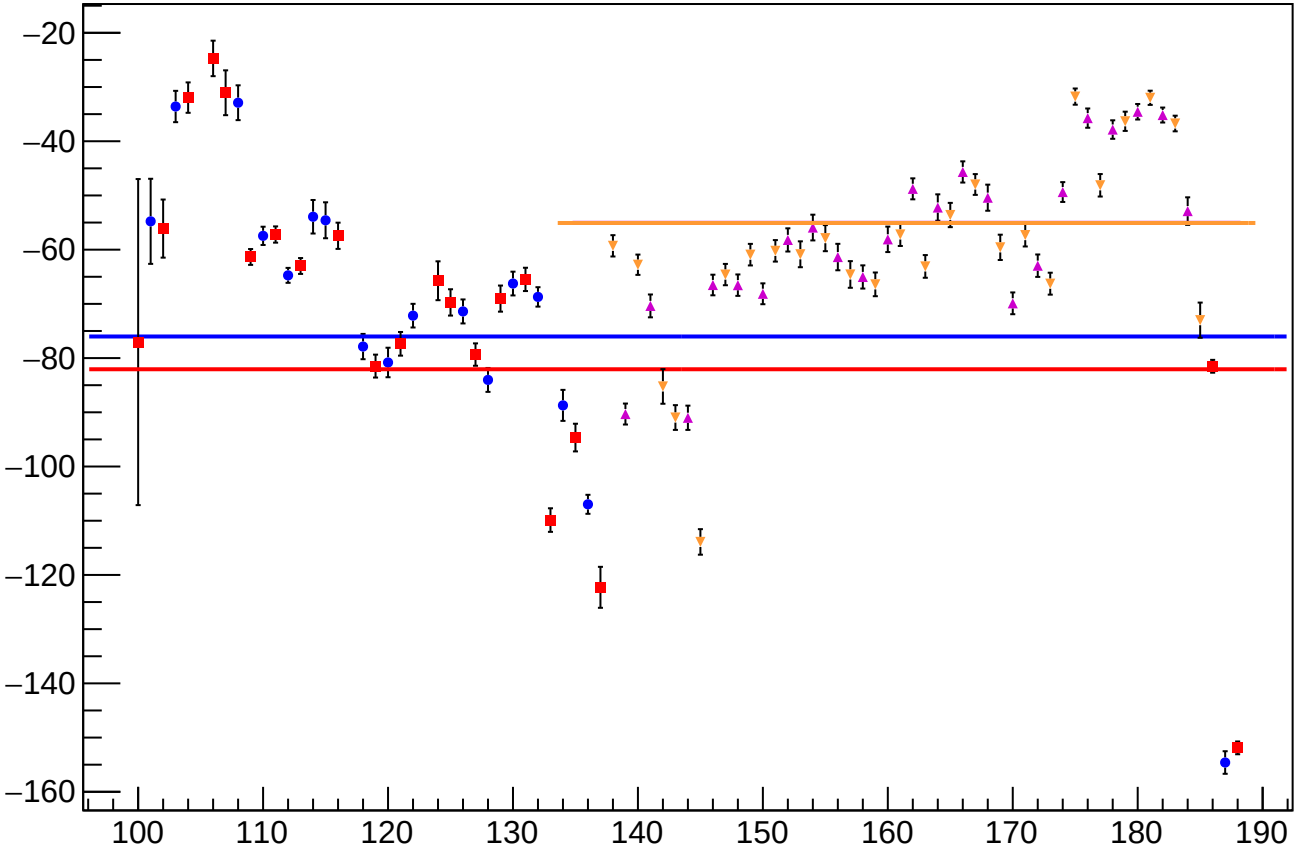
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.932+/-0.030 χ^2/NDF: 439252.0/40

All: 101.764+/-0.020 χ^2/NDF: 1993874.9/83

- sign 97.213+/-0.028 χ^2/NDF: 1497686.2/42

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -76.016+/-0.539 χ^2/NDF: 2502.2/16

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -82.060+/-0.446 χ^2/NDF: 5497.4/20

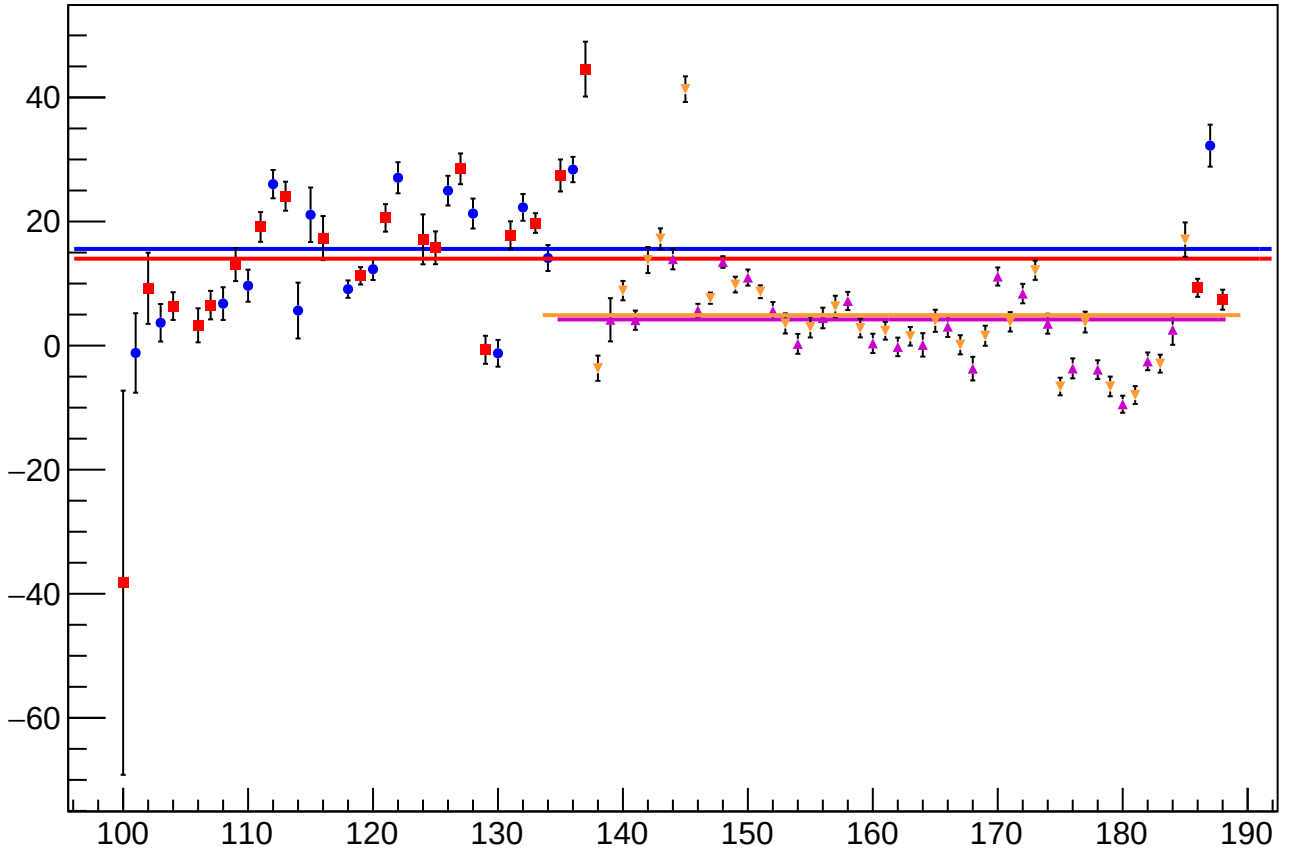
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -62.531+/-0.321 χ^2/NDF: 5477.8/41

All: -65.144+/-0.220 χ^2/NDF: 14629.0/85

- sign -67.448+/-0.302 χ^2/NDF: 9026.9/43

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.583+/-0.573 χ^2/NDF: 267.4/16

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.011+/-0.496 χ^2/NDF: 273.5/20

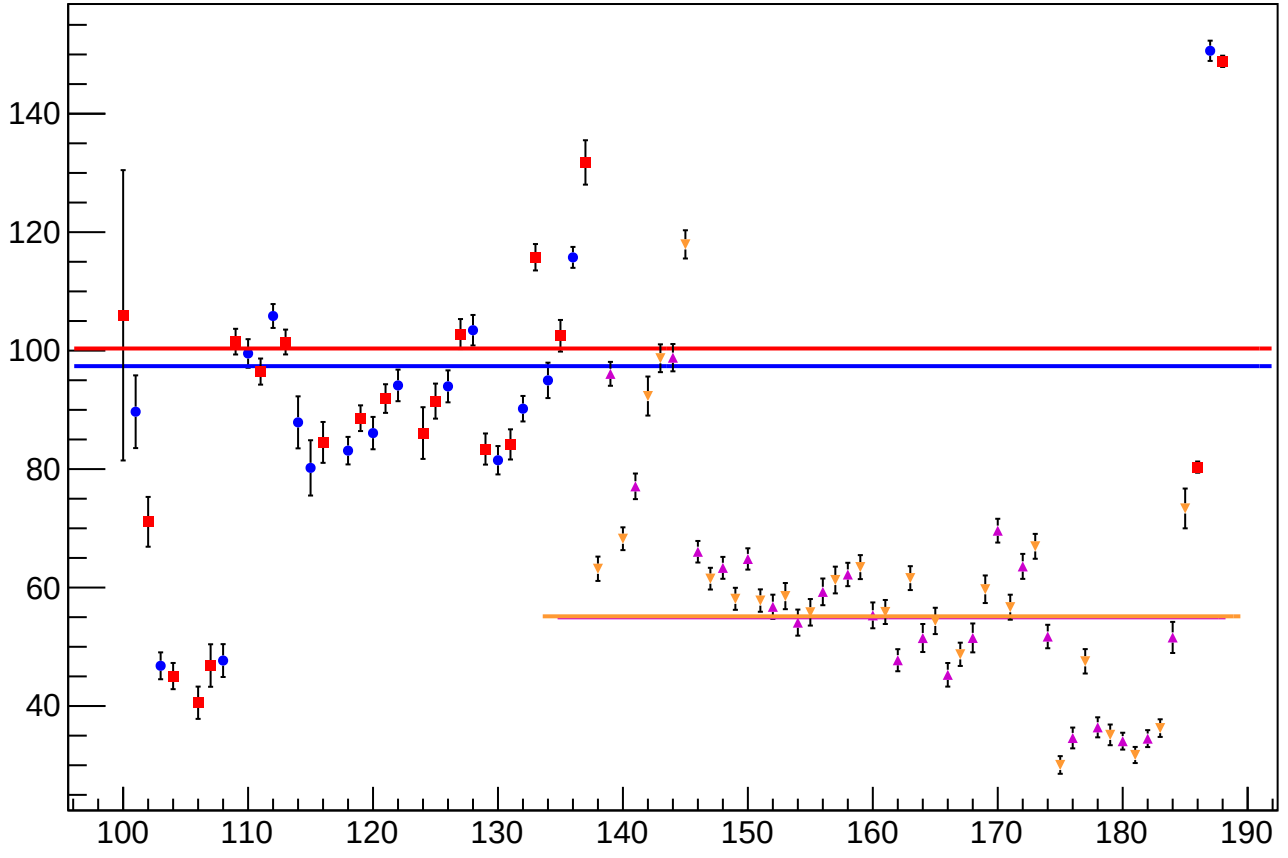
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.226+/-0.267 χ^2/NDF: 1281.0/41

All: 7.110+/-0.188 χ^2/NDF: 2249.2/85

- sign 6.997+/-0.264 χ^2/NDF: 967.8/43

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 97.381+/-0.600 χ^2/NDF: 2053.2/16

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 100.360+/-0.454 χ^2/NDF: 4725.7/20

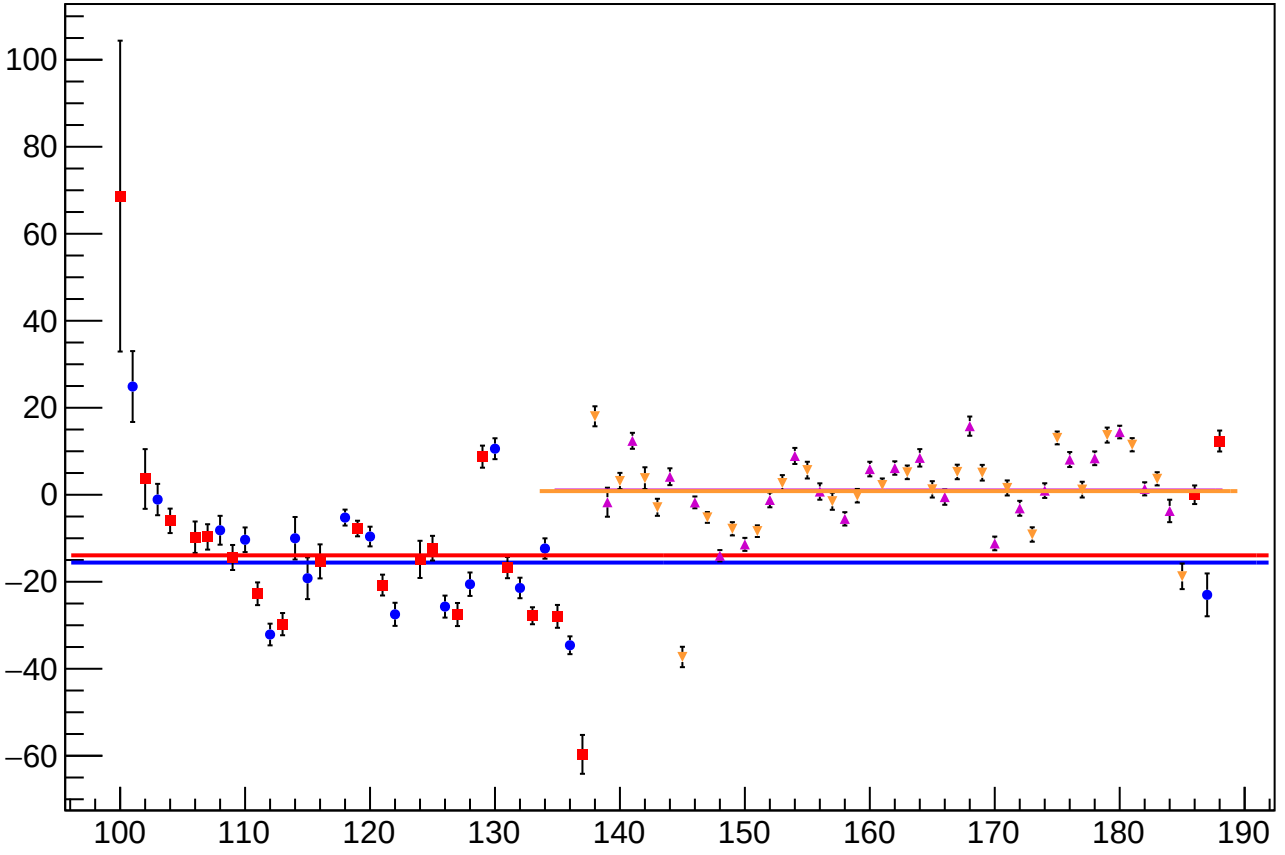
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 68.001+/-0.331 χ^2/NDF: 7743.3/41

All: 71.882+/-0.223 χ^2/NDF: 20061.2/85

- sign 75.121+/-0.302 χ^2/NDF: 12065.7/43

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.589+/-0.659 χ^2/NDF: 388.8/16

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

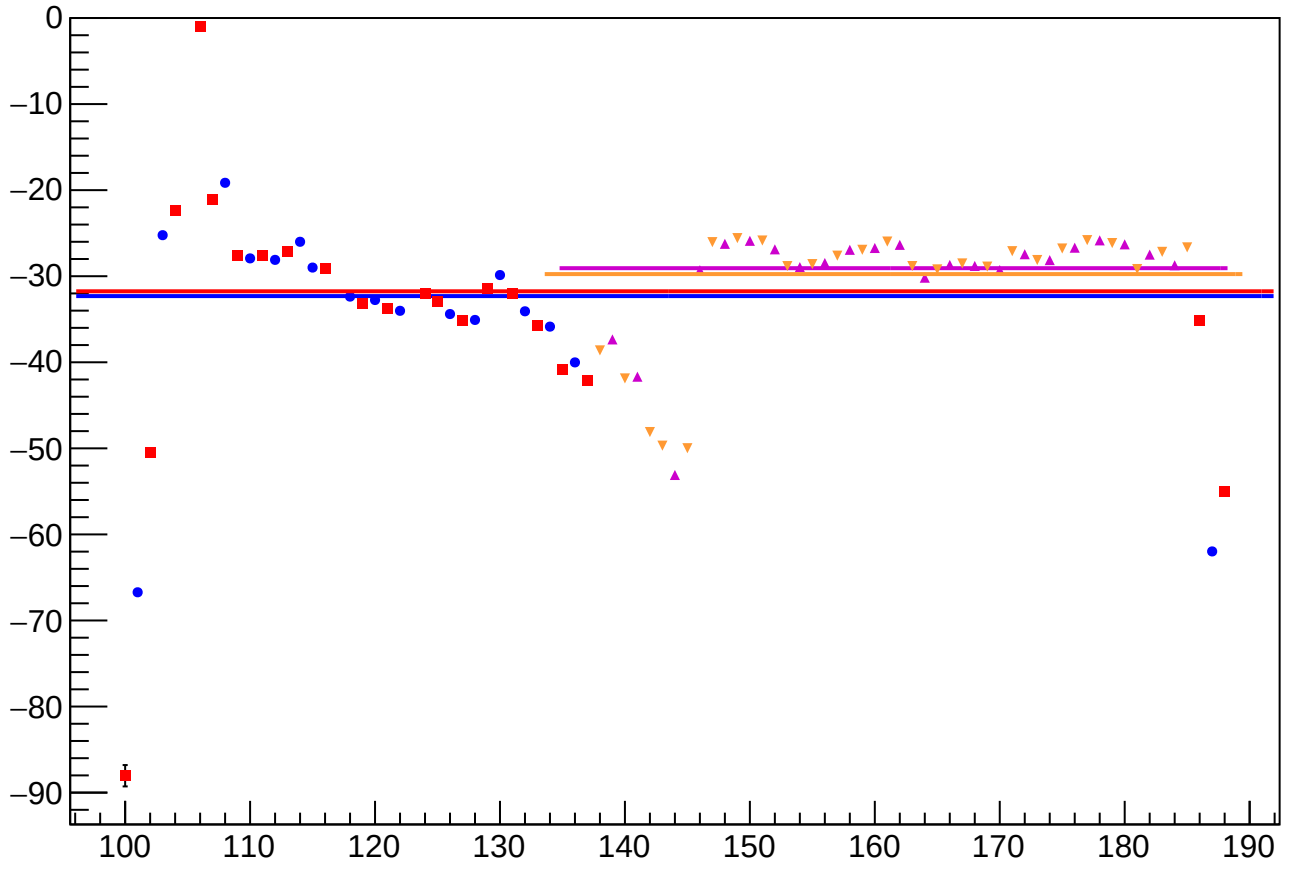
Right Out: -13.926+/-0.597 χ^2/NDF: 546.4/20

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.656+/-0.304 χ^2/NDF: 1594.6/41

All: -2.771+/-0.215 χ^2/NDF: 3161.4/85

- sign -2.886+/-0.304 χ^2/NDF: 1566.5/43



Right In: -32.310+/-0.038 χ^2/NDF: 51577.2/16

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -31.753+/-0.036 χ^2/NDF: 136027.9/20

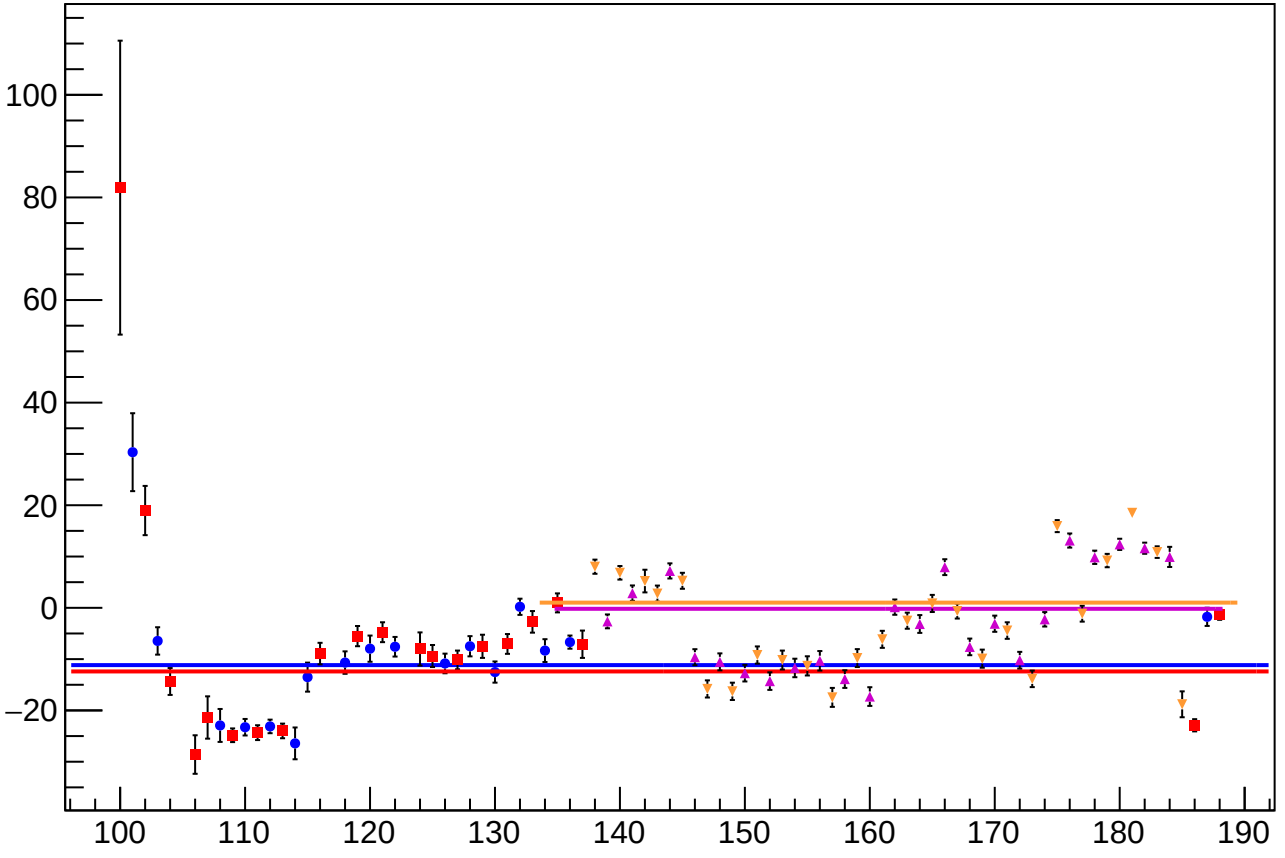
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -30.119+/-0.014 χ^2/NDF: 218979.8/41

All: -29.814+/-0.010 χ^2/NDF: 462192.5/85

- sign -29.508+/-0.014 χ^2/NDF: 242314.2/43

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.167+/-0.478 χ^2/NDF: 312.5/16

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -12.402+/-0.408 χ^2/NDF: 620.3/20

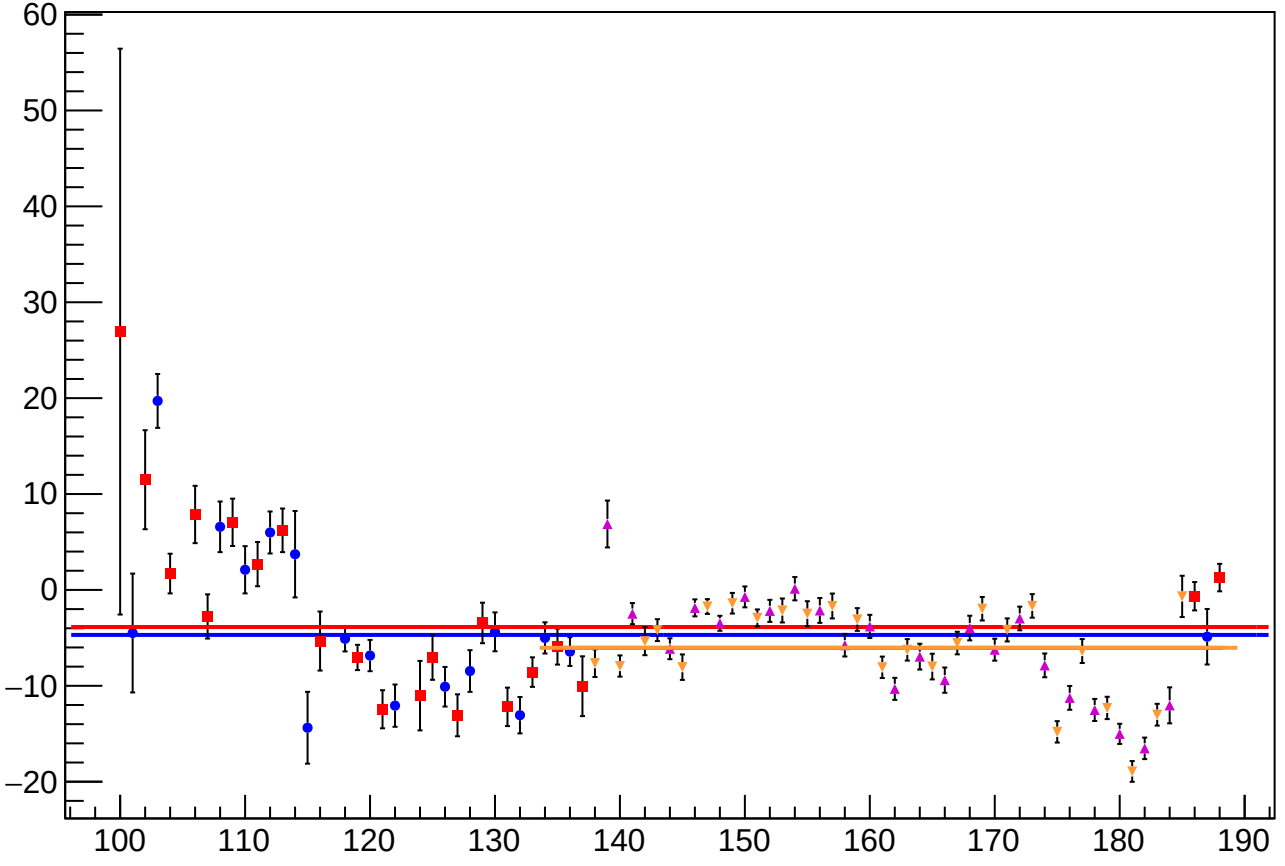
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

\+ sign -2.503+/-0.257 χ^2/NDF: 2108.9/41

All: -3.658+/-0.179 χ^2/NDF: 4312.9/85

\- sign -4.744+/-0.249 χ^2/NDF: 2164.8/43

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.692+/-0.509 χ^2/NDF: 179.1/16

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -3.866+/-0.459 χ^2/NDF: 177.7/20

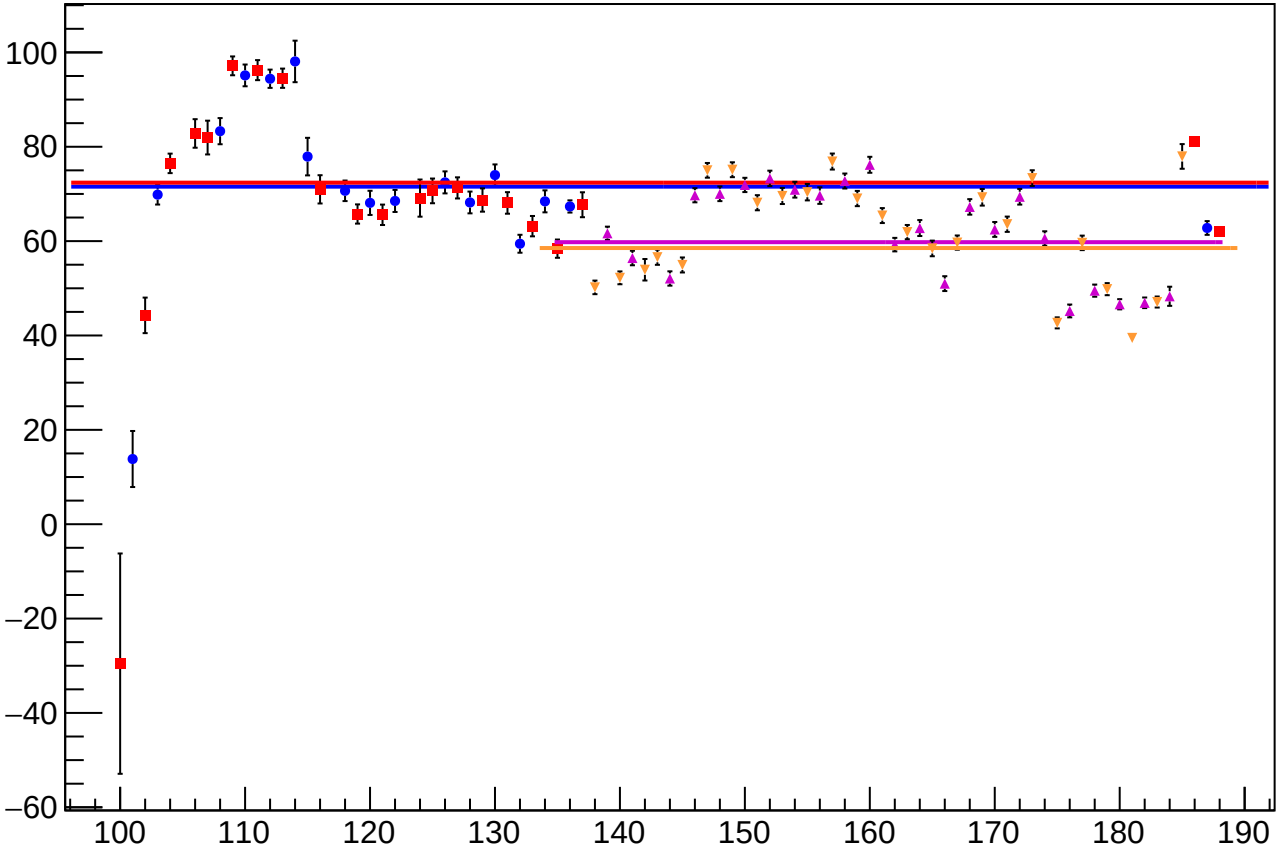
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.802+/-0.212 χ^2/NDF: 599.7/41

All: -5.686+/-0.151 χ^2/NDF: 1191.8/85

- sign -5.567+/-0.215 χ^2/NDF: 591.5/43

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 71.547+/-0.527 χ^2/NDF: 492.3/16

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 72.391+/-0.417 χ^2/NDF: 835.2/20

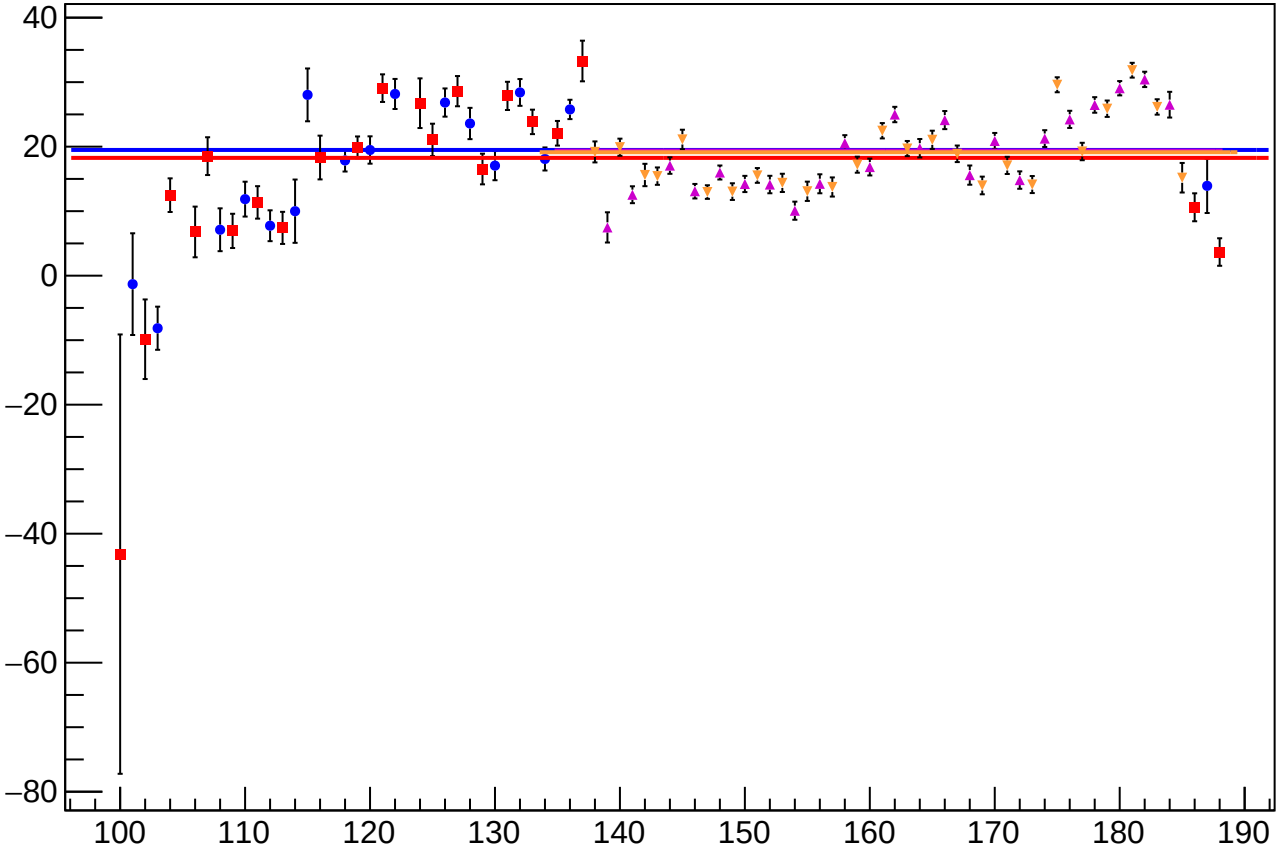
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 61.766+/-0.263 χ^2/NDF: 2399.6/41

All: 63.095+/-0.181 χ^2/NDF: 4941.3/85

- sign 64.296+/-0.250 χ^2/NDF: 2492.9/43

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.490+/-0.580 χ^2/NDF: 197.8/16

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 18.261+/-0.546 χ^2/NDF: 248.7/20

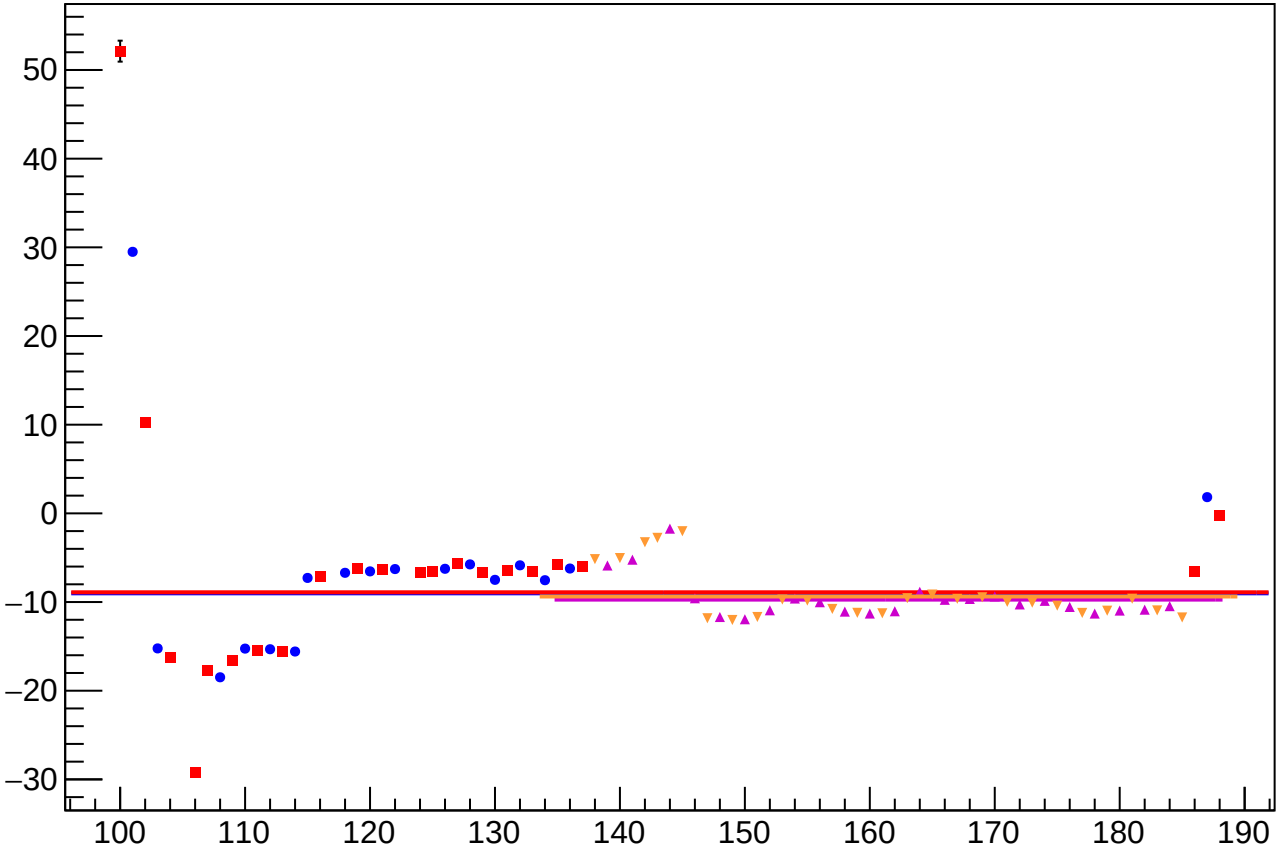
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 19.199+/-0.240 χ^2/NDF: 631.8/41

All: 19.181+/-0.171 χ^2/NDF: 1351.6/85

- sign 19.163+/-0.245 χ^2/NDF: 719.8/43

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.017+/-0.033 χ^2/NDF: 33393.6/16

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -8.901+/-0.032 χ^2/NDF: 61530.3/20

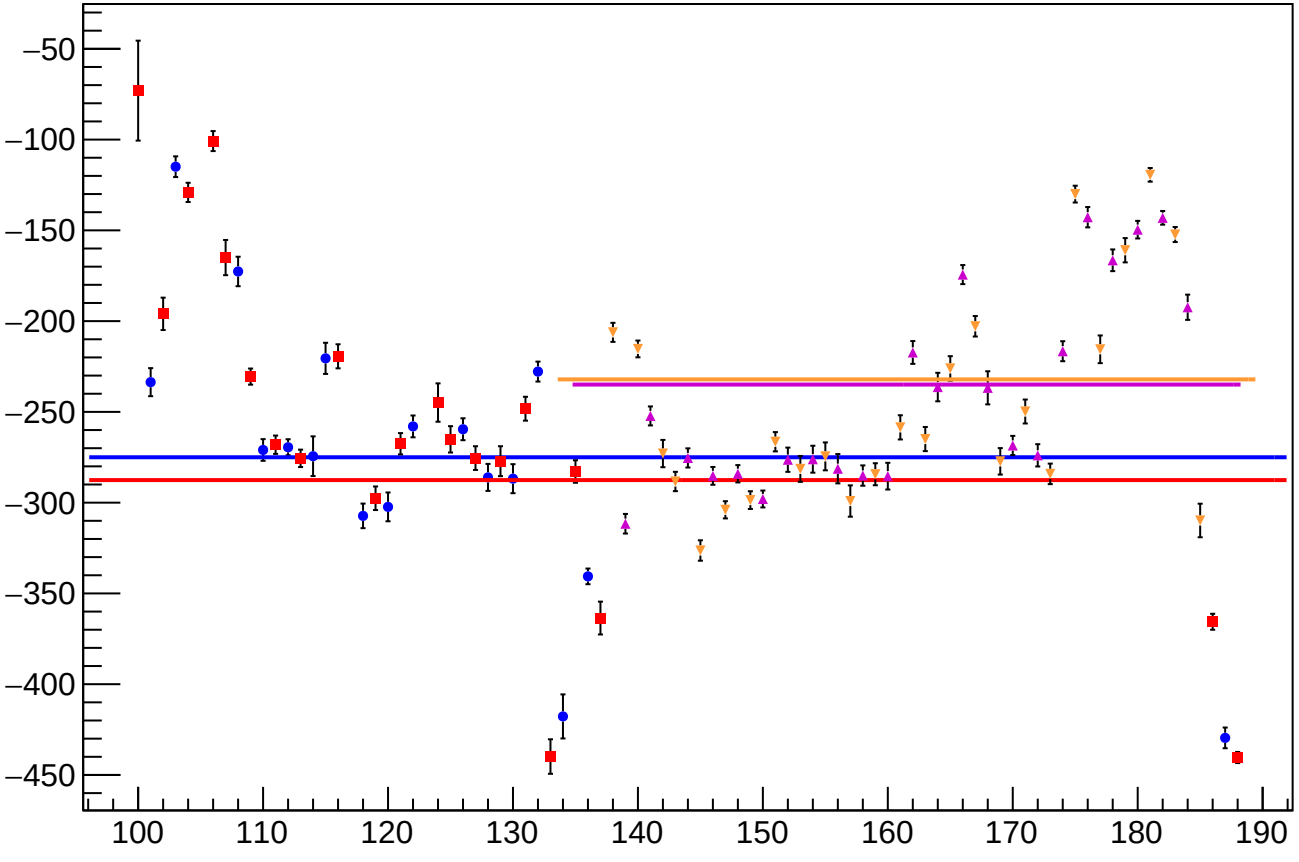
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -9.332+/-0.011 χ^2/NDF: 83434.6/41

All: -9.475+/-0.008 χ^2/NDF: 177829.0/85

- sign -9.623+/-0.011 χ^2/NDF: 94061.1/43

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -274.995+/-1.553 χ^2/NDF: 2246.0/16

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -287.567+/-1.292 χ^2/NDF: 5870.6/20

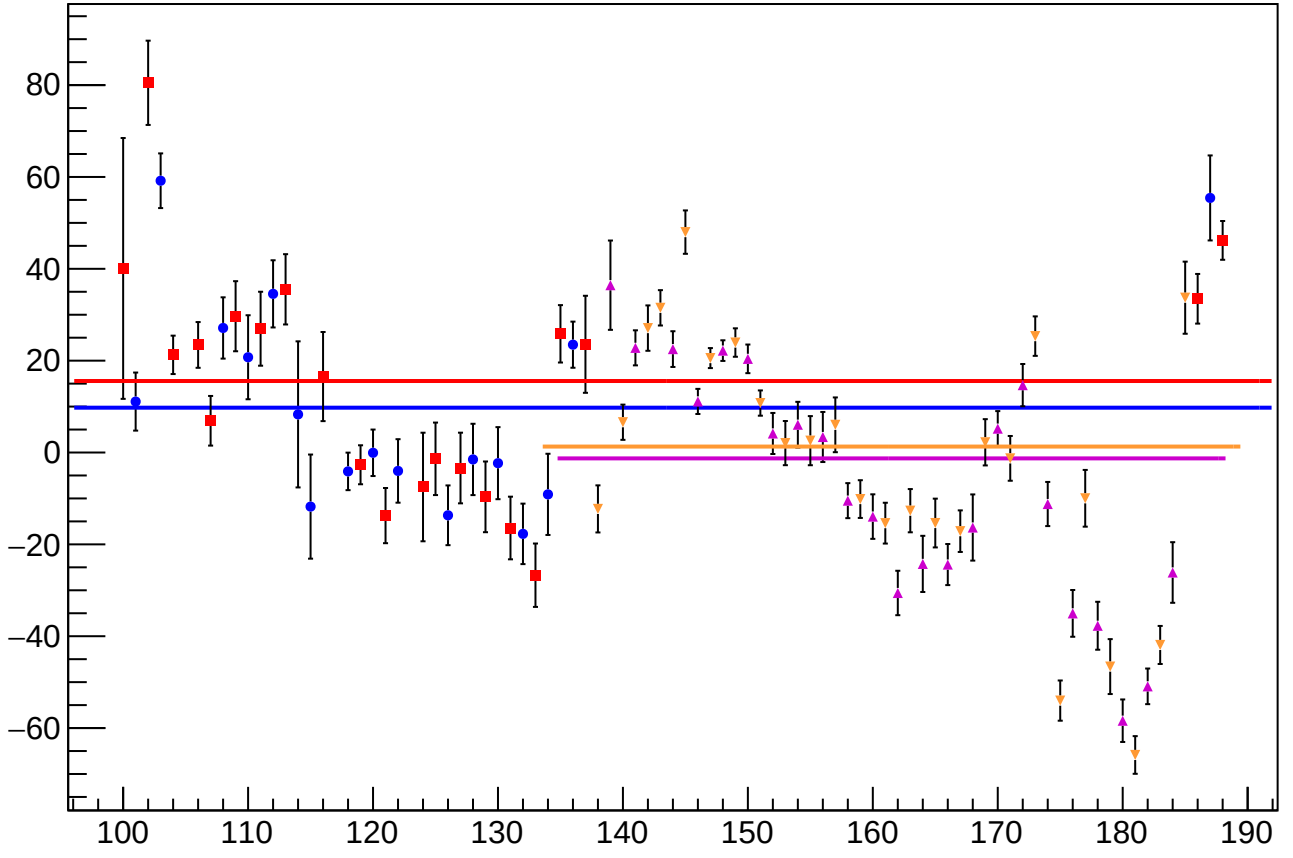
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

\+ sign -247.167+/-0.921 χ^2/NDF: 6011.1/41

All: -253.305+/-0.632 χ^2/NDF: 15343.2/85

\- sign -258.783+/-0.870 χ^2/NDF: 9248.0/43

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.761+/-1.619 χ^2/NDF: 182.8/16

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 15.569+/-1.397 χ^2/NDF: 263.8/20

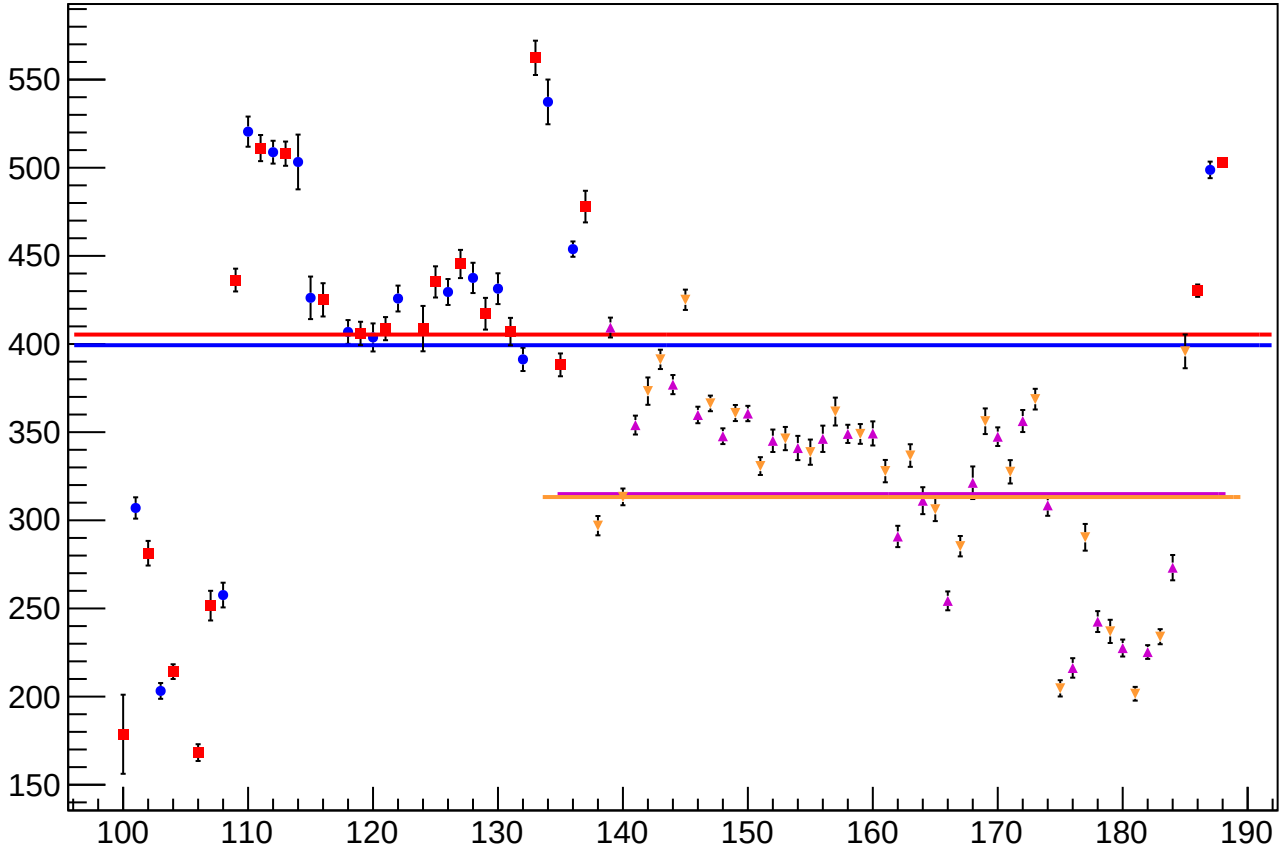
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

\+ sign 3.081+/-0.743 χ^2/NDF: 1253.8/41

All: 3.252+/-0.524 χ^2/NDF: 2433.9/85

\- sign 3.421+/-0.738 χ^2/NDF: 1180.0/43

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 399.324+/-1.633 χ^2/NDF: 3885.2/16

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 405.362+/-1.275 χ^2/NDF: 7777.3/20

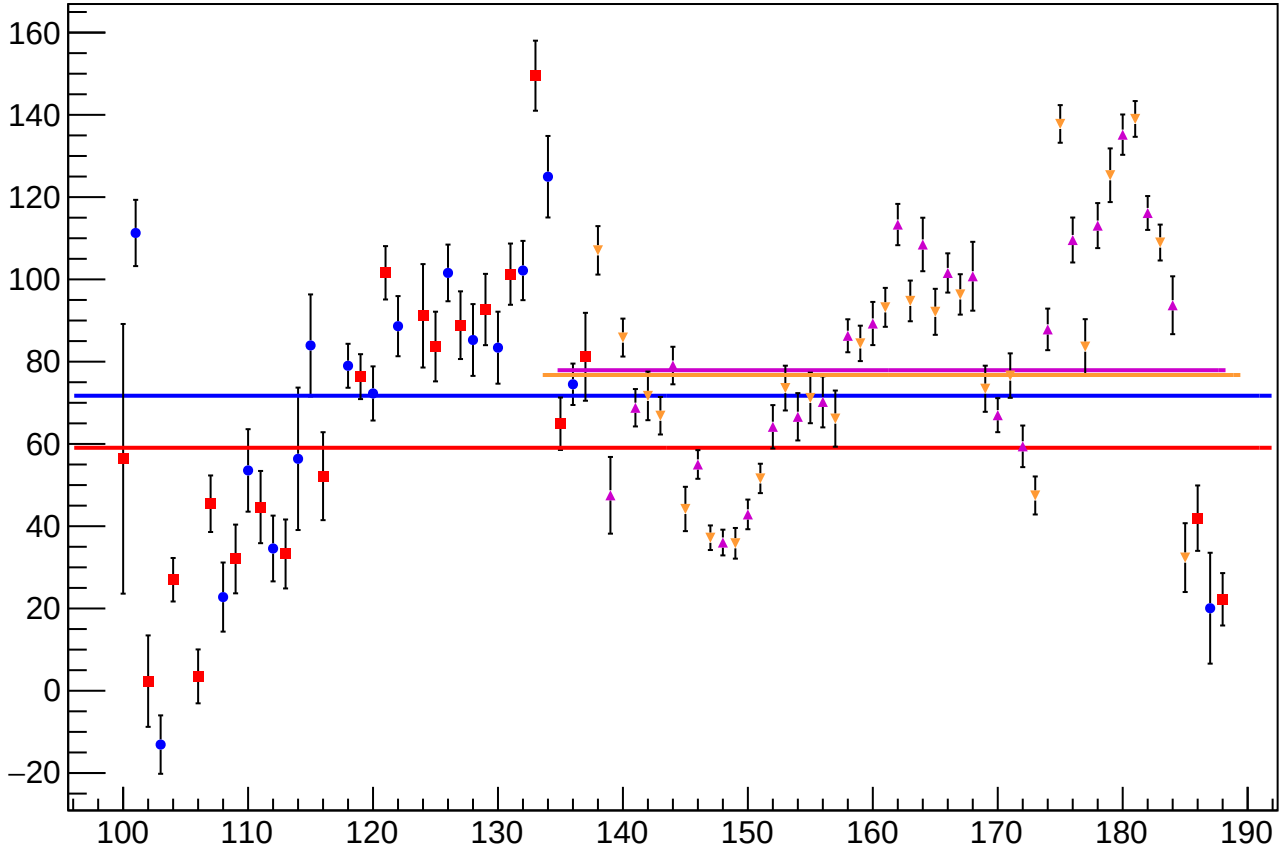
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 341.212+/-0.931 χ^2/NDF: 8897.4/41

All: 349.163+/-0.631 χ^2/NDF: 21992.9/85

- sign 355.916+/-0.858 χ^2/NDF: 12960.8/43

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 71.717+/-1.878 χ^2/NDF: 319.3/16

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 59.066+/-1.688 χ^2/NDF: 446.1/20

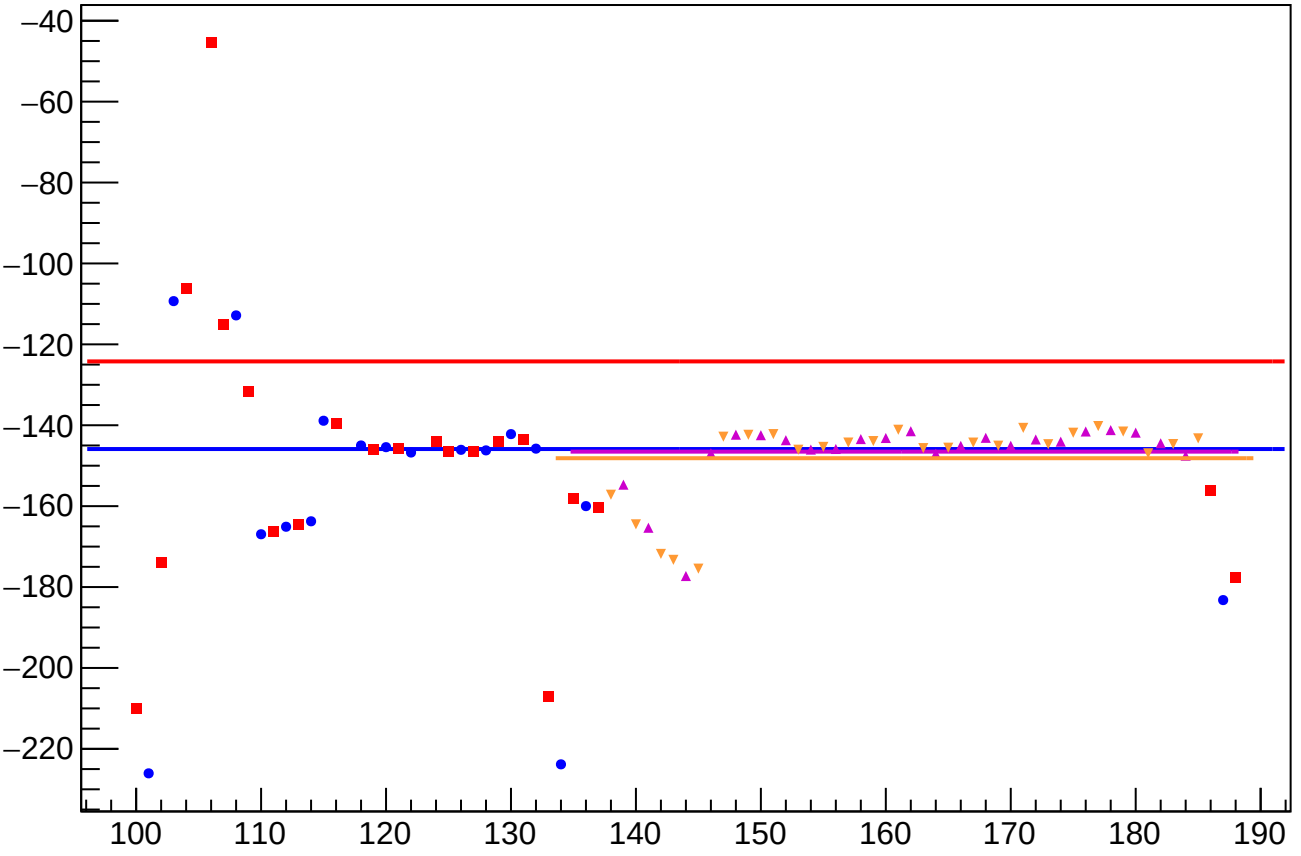
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 75.703+/-0.860 χ^2/NDF: 1360.3/41

All: 74.373+/-0.607 χ^2/NDF: 2687.6/85

- sign 73.048+/-0.858 χ^2/NDF: 1322.5/43

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.880+/-0.098 χ^2/NDF: 134547.6/16

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -124.217+/-0.085 χ^2/NDF: 299429.5/20

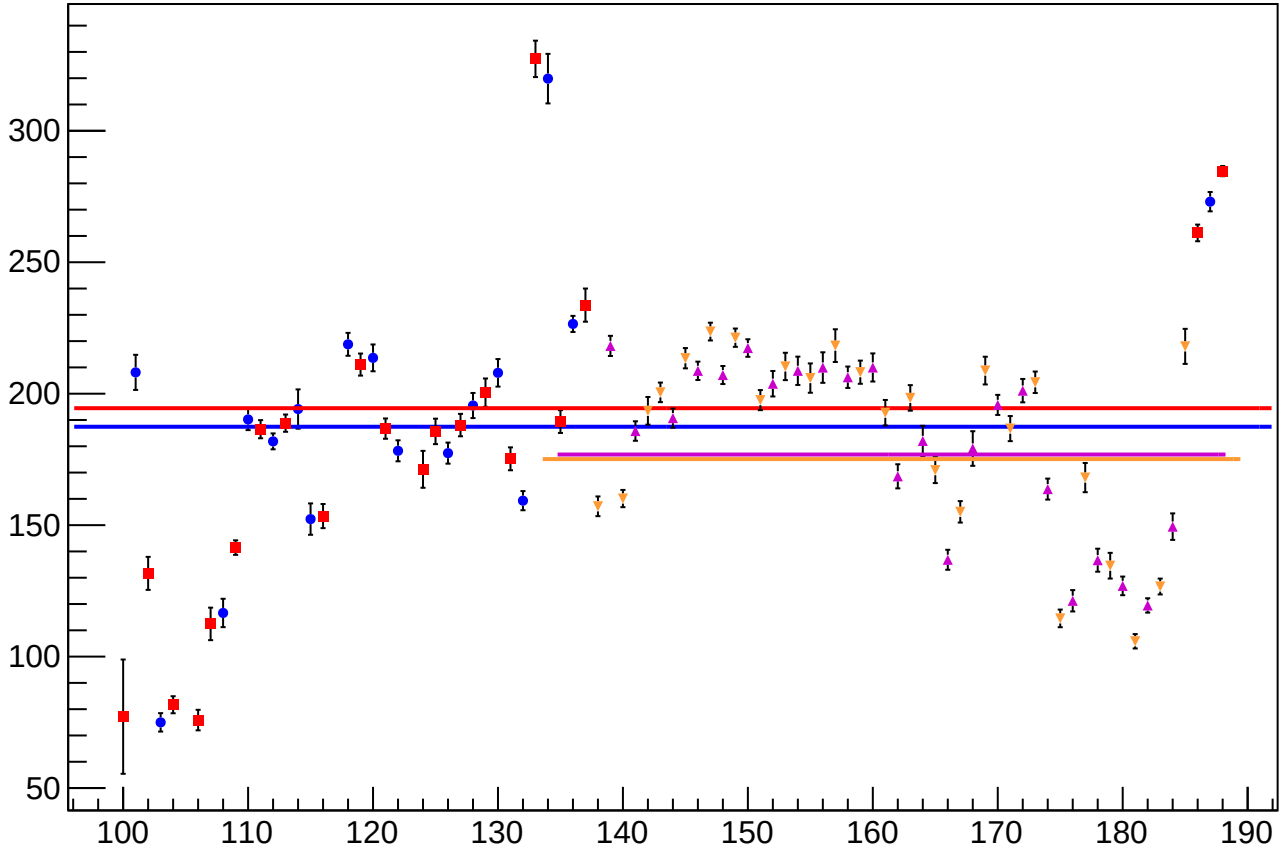
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -147.749+/-0.041 χ^2/NDF: 183903.4/41

All: -144.601+/-0.029 χ^2/NDF: 577391.8/85

- sign -141.568+/-0.040 χ^2/NDF: 381871.9/43

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 187.427+/-1.044 χ^2/NDF: 2322.7/16

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 194.488+/-0.856 χ^2/NDF: 5976.3/20

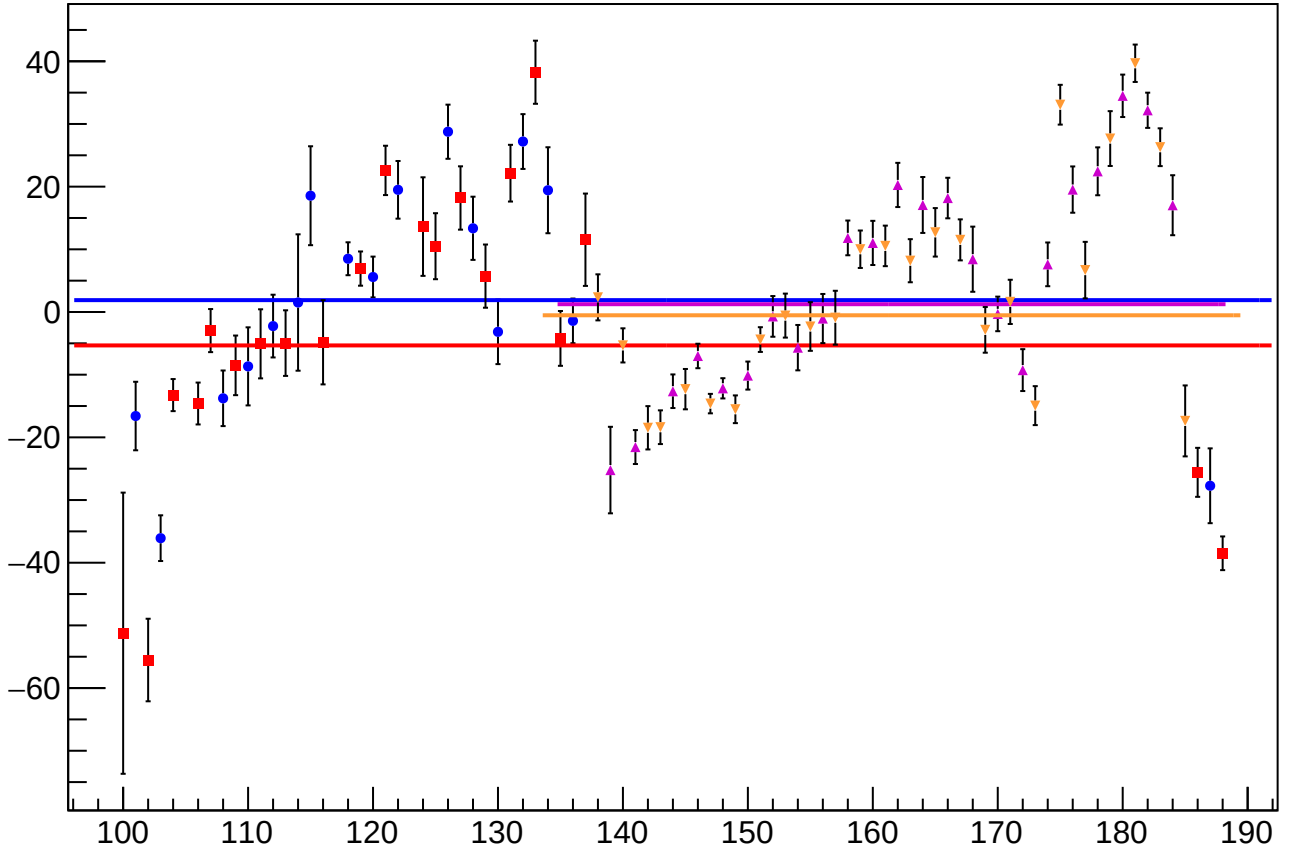
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 179.834+/-0.646 χ^2/NDF: 4703.6/41

All: 182.910+/-0.440 χ^2/NDF: 12692.7/85

- sign 185.583+/-0.602 χ^2/NDF: 7946.7/43

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 1.893+/-1.086 χ^2/NDF: 273.0/16

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -5.332+/-0.921 χ^2/NDF: 488.5/20

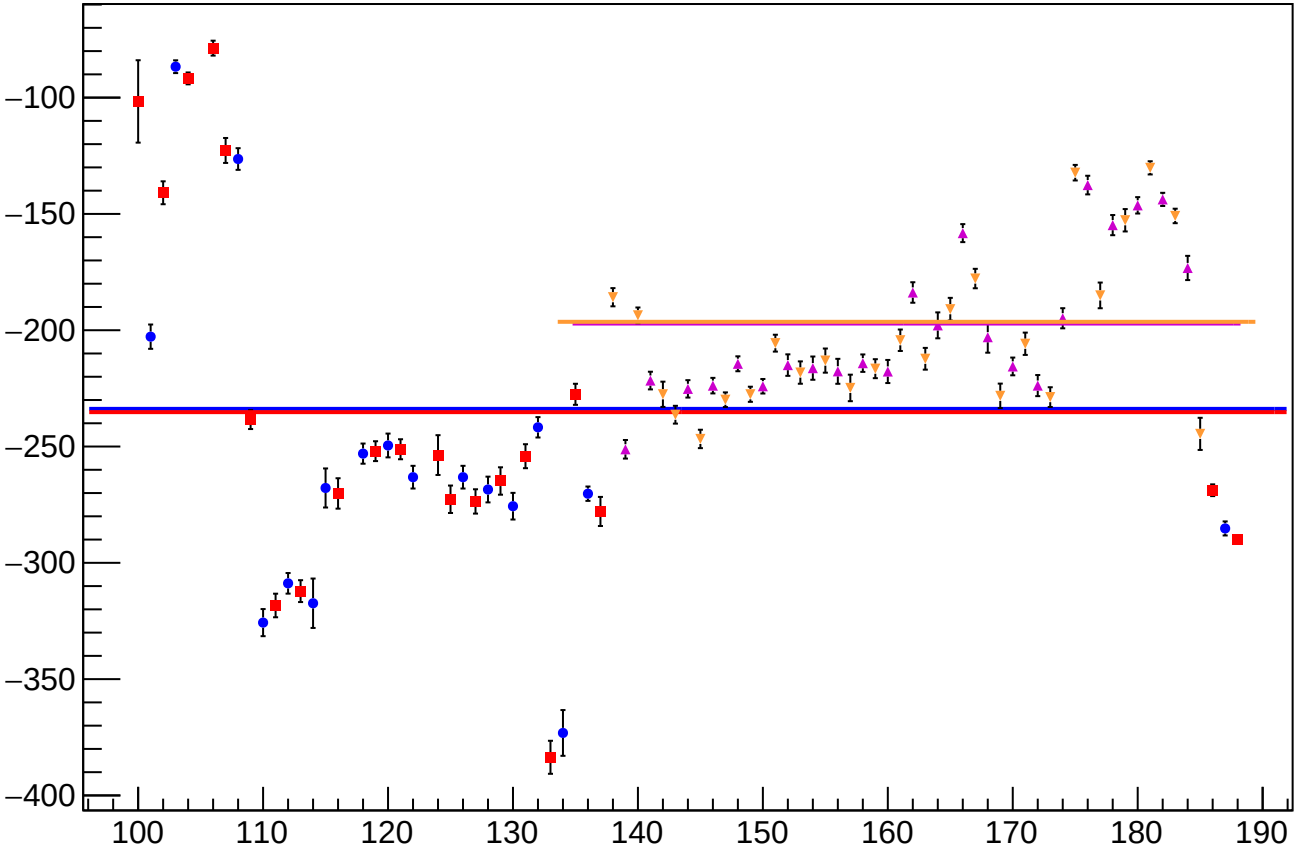
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign 0.043+/-0.526 χ^2/NDF: 1001.2/41

All: -0.402+/-0.369 χ^2/NDF: 2146.6/85

- sign -0.833+/-0.517 χ^2/NDF: 1144.0/43

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -233.813+/-1.095 χ^2/NDF: 4872.7/16

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -235.213+/-0.840 χ^2/NDF: 9024.1/20

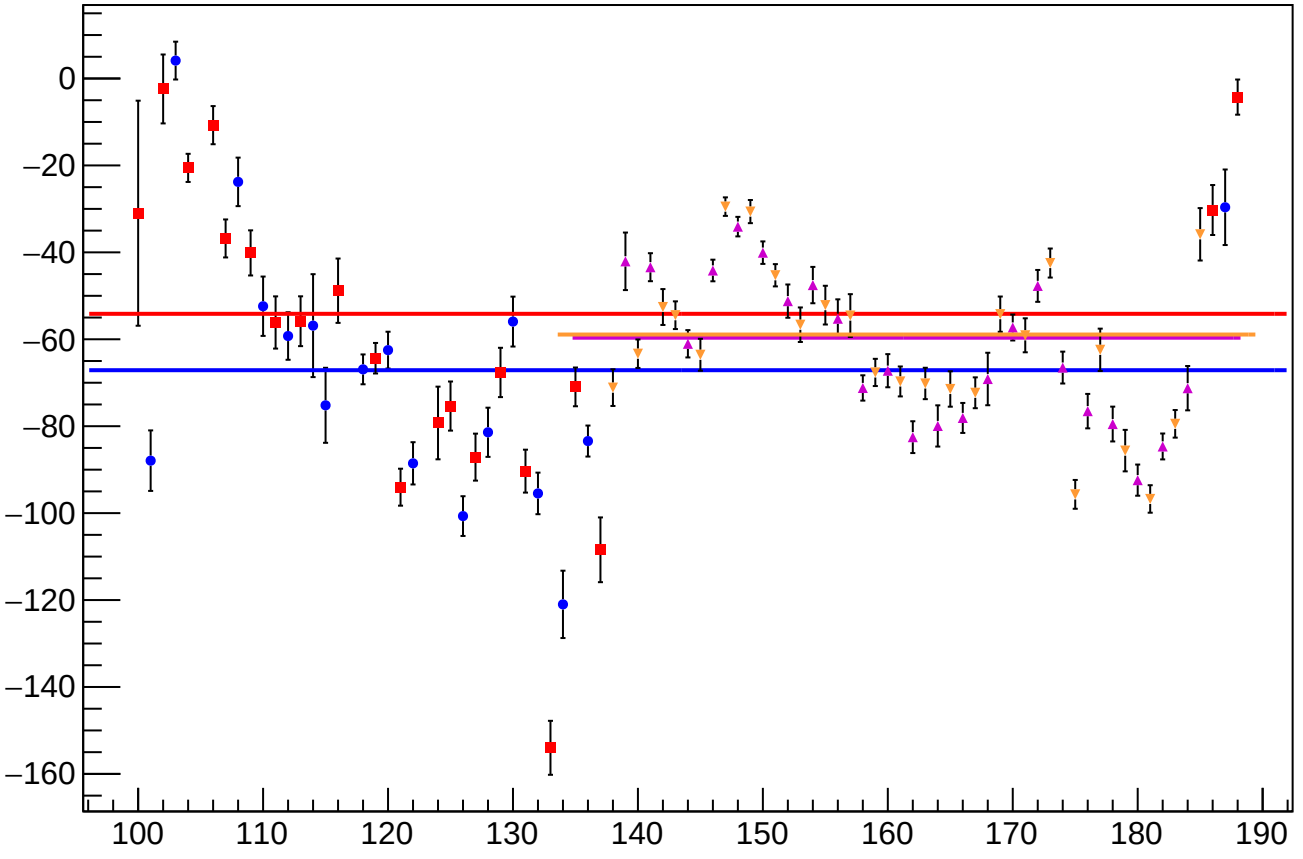
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -209.740+/-0.654 χ^2/NDF: 7621.9/41

All: -213.232+/-0.439 χ^2/NDF: 19331.3/85

- sign -216.100+/-0.593 χ^2/NDF: 11657.4/43

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.116+/-1.264 χ^2/NDF: 553.1/16

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -54.142+/-1.115 χ^2/NDF: 984.0/20

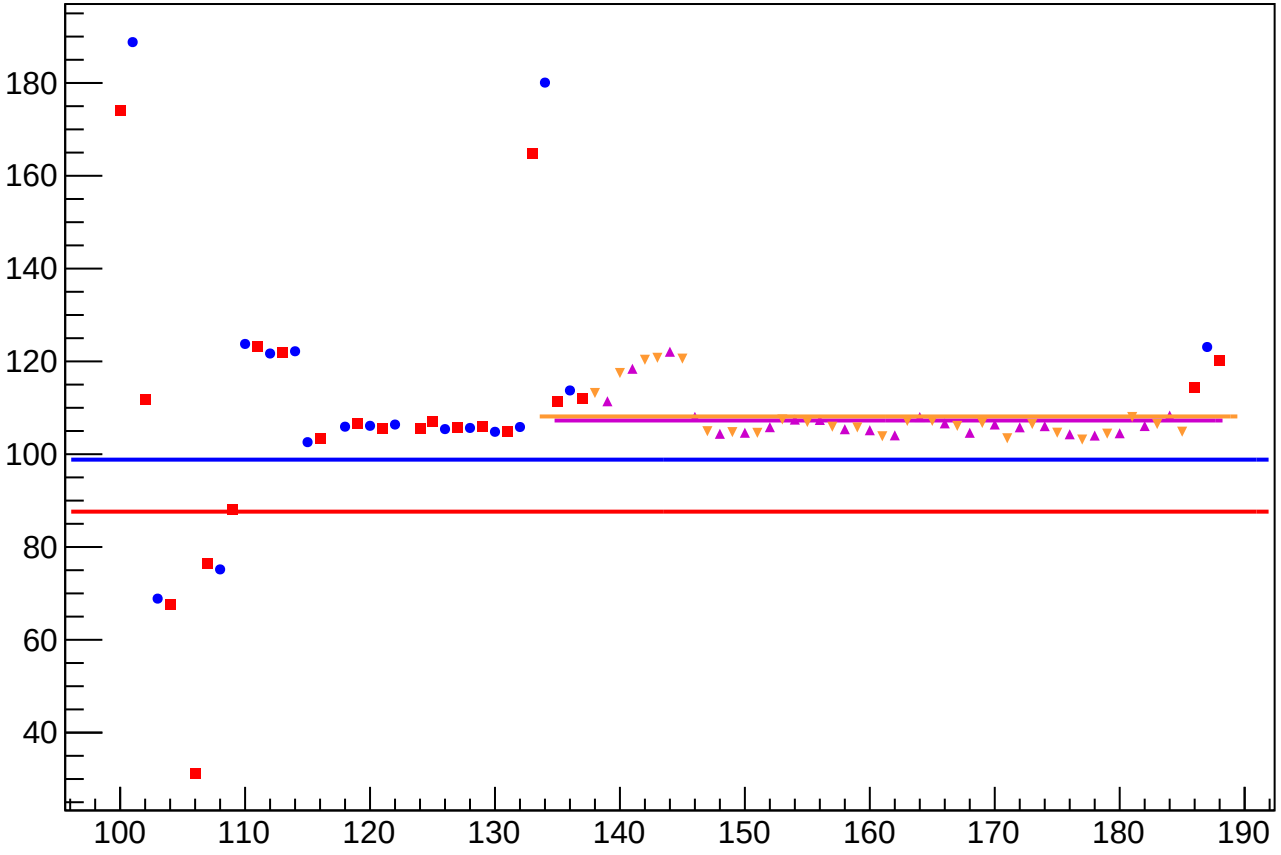
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -60.813+/-0.609 χ^2/NDF: 1367.9/41

All: -59.407+/-0.429 χ^2/NDF: 2976.6/85

- sign -58.025+/-0.604 χ^2/NDF: 1598.2/43

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.828+/-0.065 χ^2/NDF: 230973.4/16

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

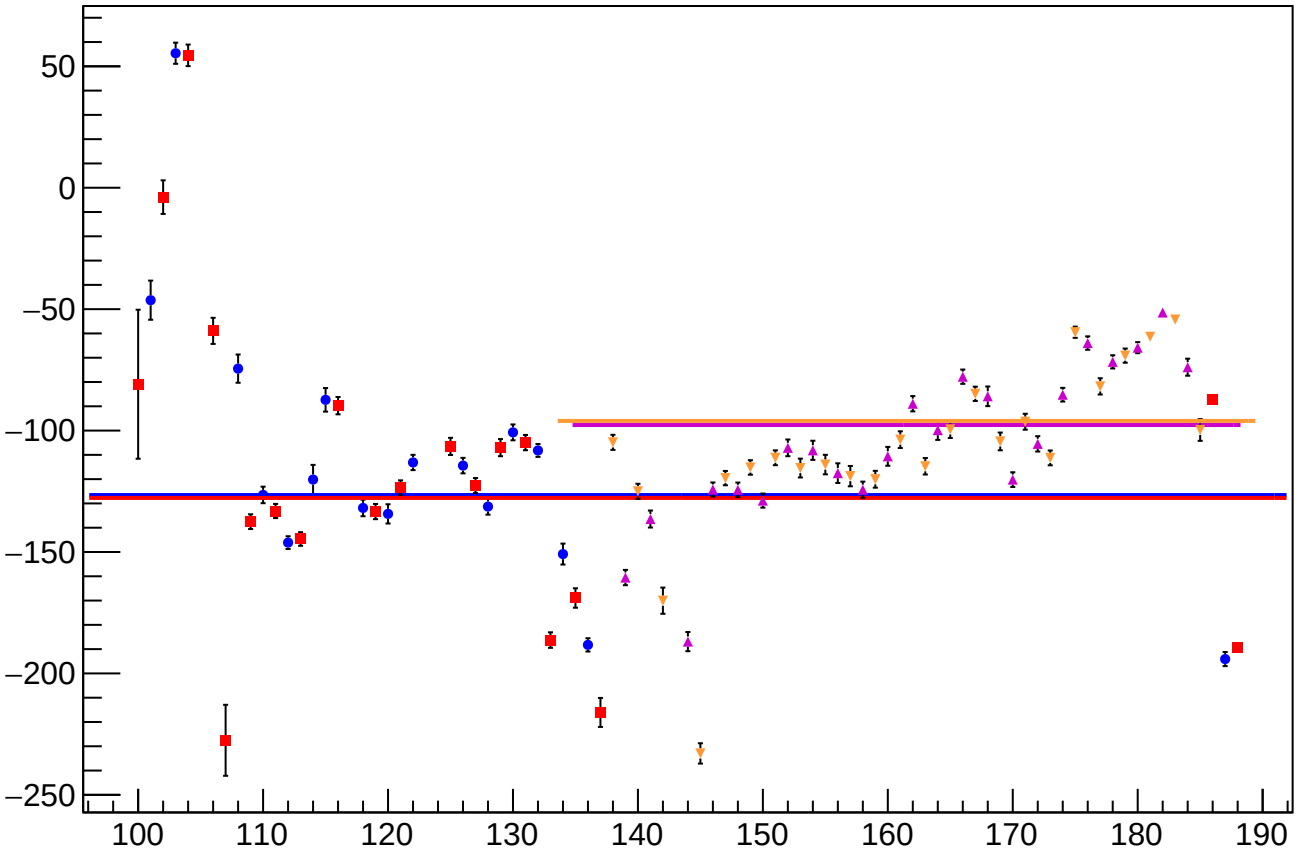
Right Out: 87.620+/-0.058 χ^2/NDF: 298192.4/20

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 106.298+/-0.029 χ^2/NDF: 273634.5/41

All: 104.353+/-0.020 χ^2/NDF: 684775.3/85

- sign 102.476+/-0.029 χ^2/NDF: 402343.5/43



Right In: -126.549+/-0.851 χ^2/NDF: 3285.1/16

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

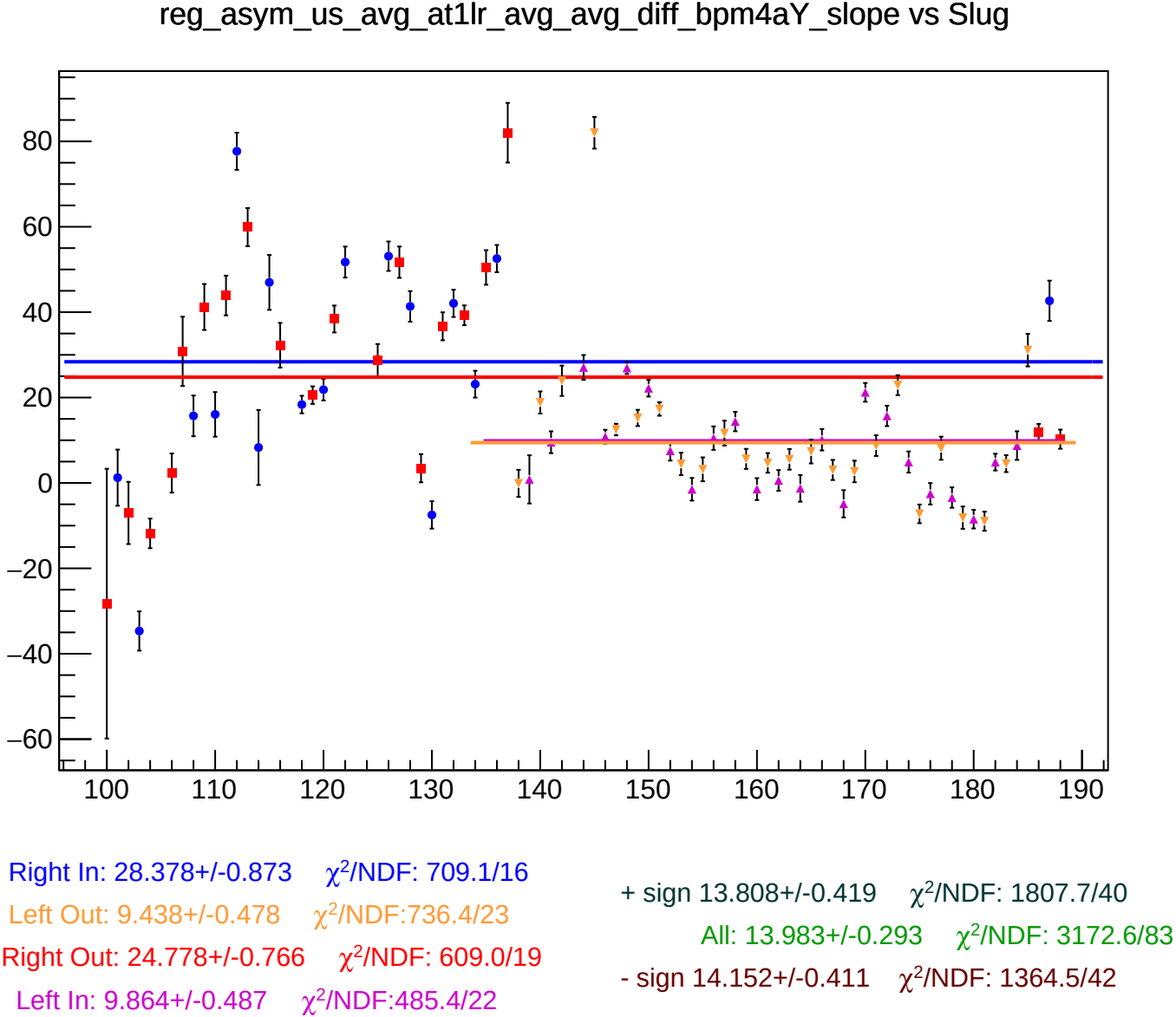
Right Out: -127.733+/-0.699 χ^2/NDF: 5207.9/19

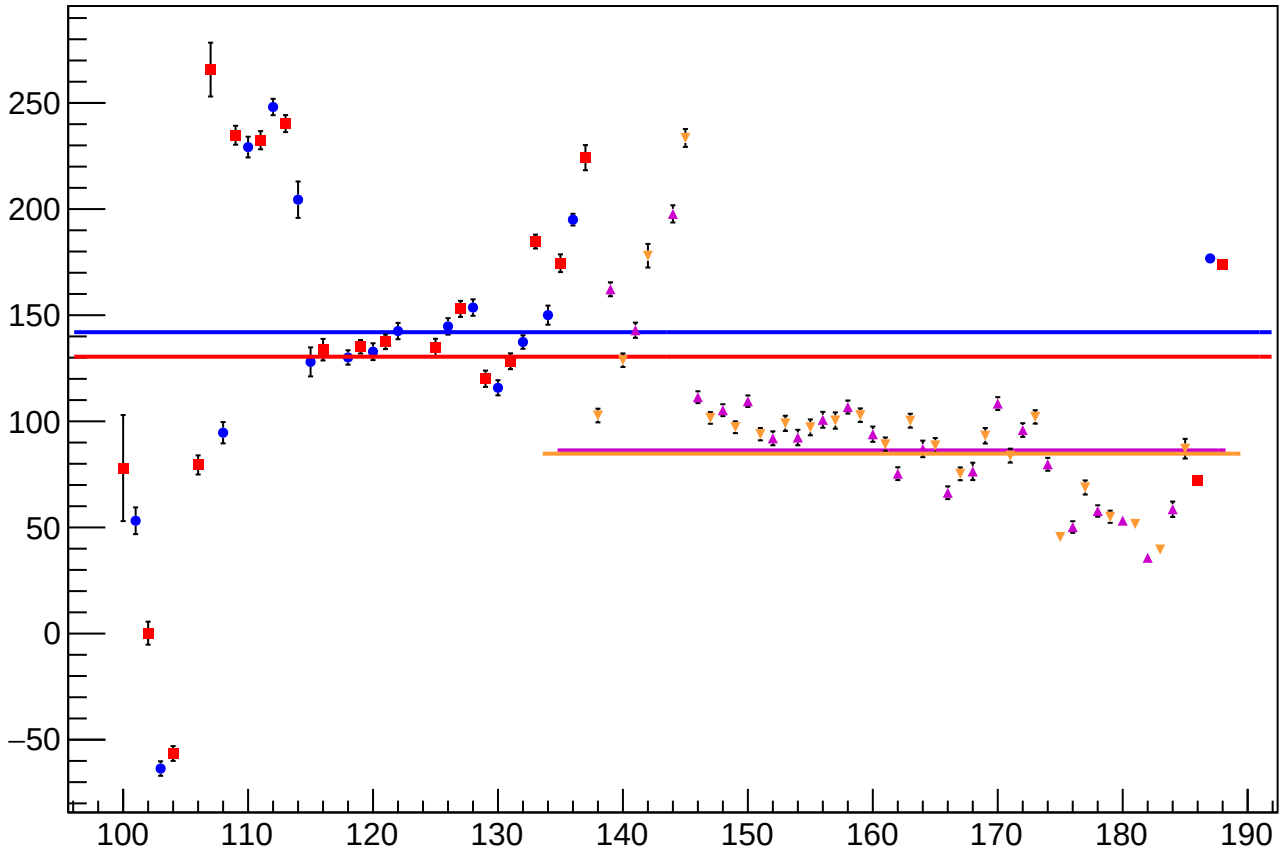
Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

+ sign -106.935+/-0.509 χ^2/NDF: 6882.1/40

All: -109.325+/-0.346 χ^2/NDF: 15777.7/83

- sign -111.376+/-0.471 χ^2/NDF: 8854.6/42


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: 28.378+/-0.873 χ²/NDF: 709.1/16
Left Out: 9.438+/-0.478 χ²/NDF:736.4/23
Right Out: 24.778+/-0.766 χ²/NDF: 609.0/19
Left In: 9.864+/-0.487 χ²/NDF:485.4/22
+ sign 13.808+/-0.419 χ²/NDF: 1807.7/40
All: 13.983+/-0.293 χ²/NDF: 3172.6/83
- sign 14.152+/-0.411 χ²/NDF: 1364.5/42



Right In: 141.992+/-0.921 χ^2/NDF: 5714.1/16

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

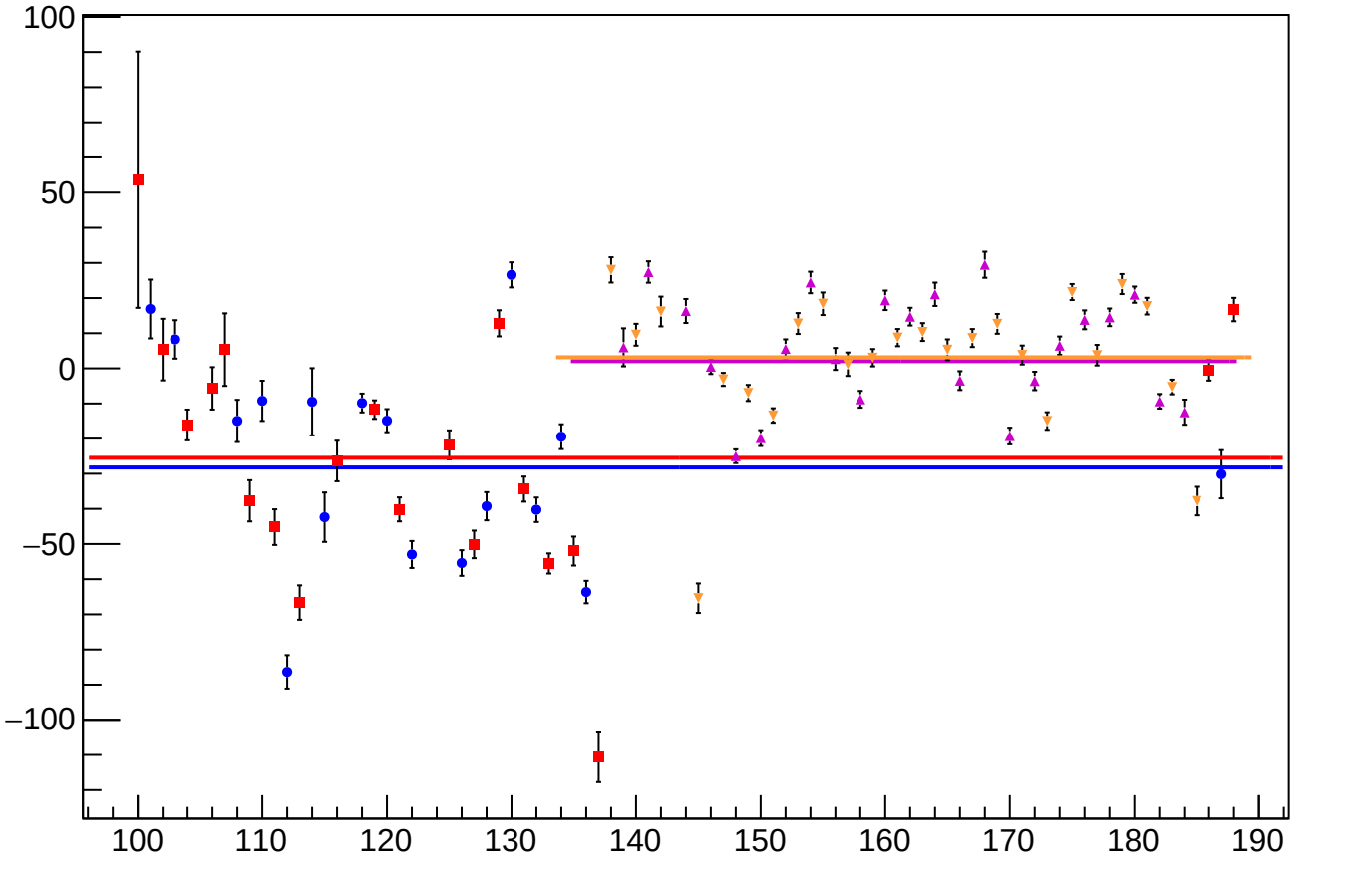
Right Out: 130.444+/-0.681 χ^2/NDF: 9273.3/19

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 102.972+/-0.519 χ^2/NDF: 11458.1/40

All: 105.068+/-0.346 χ^2/NDF: 26173.0/83

\- sign 106.734+/-0.463 χ^2/NDF: 14685.6/42



Right In: -28.218+/-1.011 χ^2/NDF: 791.3/16

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

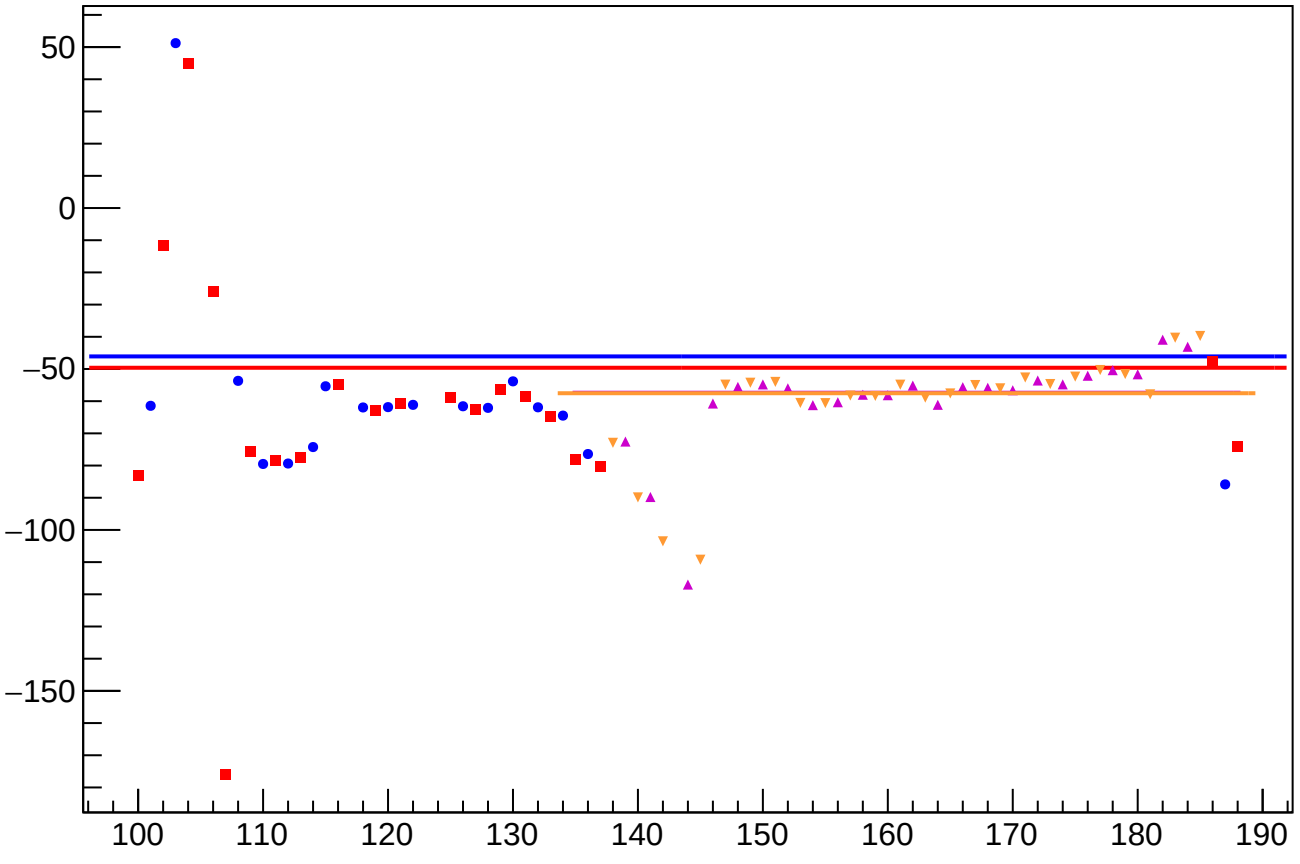
Right Out: -25.469+/-0.932 χ^2/NDF: 858.3/19

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.886+/-0.479 χ^2/NDF: 2351.8/40

All: -4.485+/-0.337 χ^2/NDF: 4709.6/83

- sign -5.072+/-0.474 χ^2/NDF: 2354.7/42



Right In: -46.095+/-0.059 χ^2/NDF: 586328.7/16

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

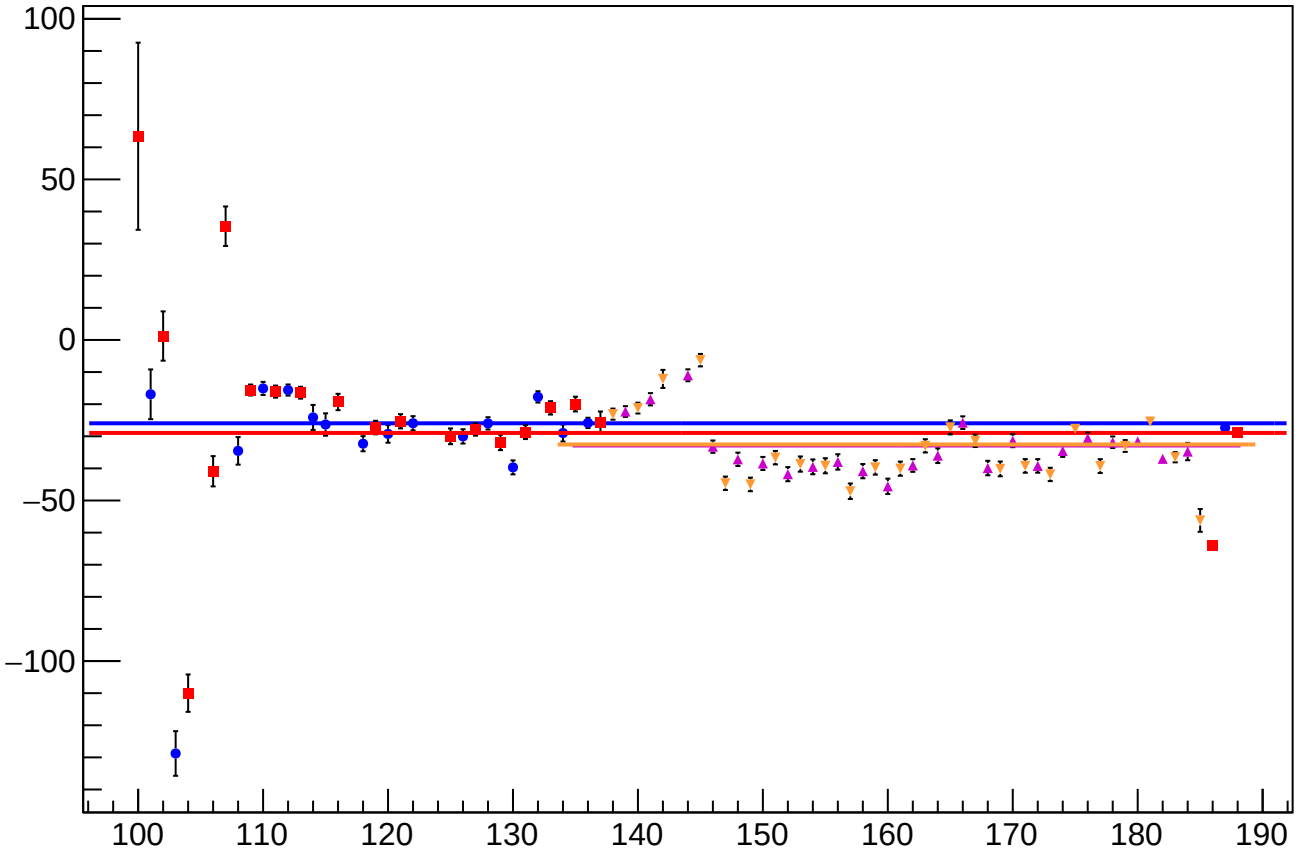
Right Out: -49.619+/-0.056 χ^2/NDF: 518917.9/19

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -55.838+/-0.023 χ^2/NDF: 884944.2/40

All: -55.982+/-0.016 χ^2/NDF: 1646943.6/83

- sign -56.124+/-0.023 χ^2/NDF: 761920.9/42



Right In: -25.954+/-0.546 χ^2/NDF: 364.1/16

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

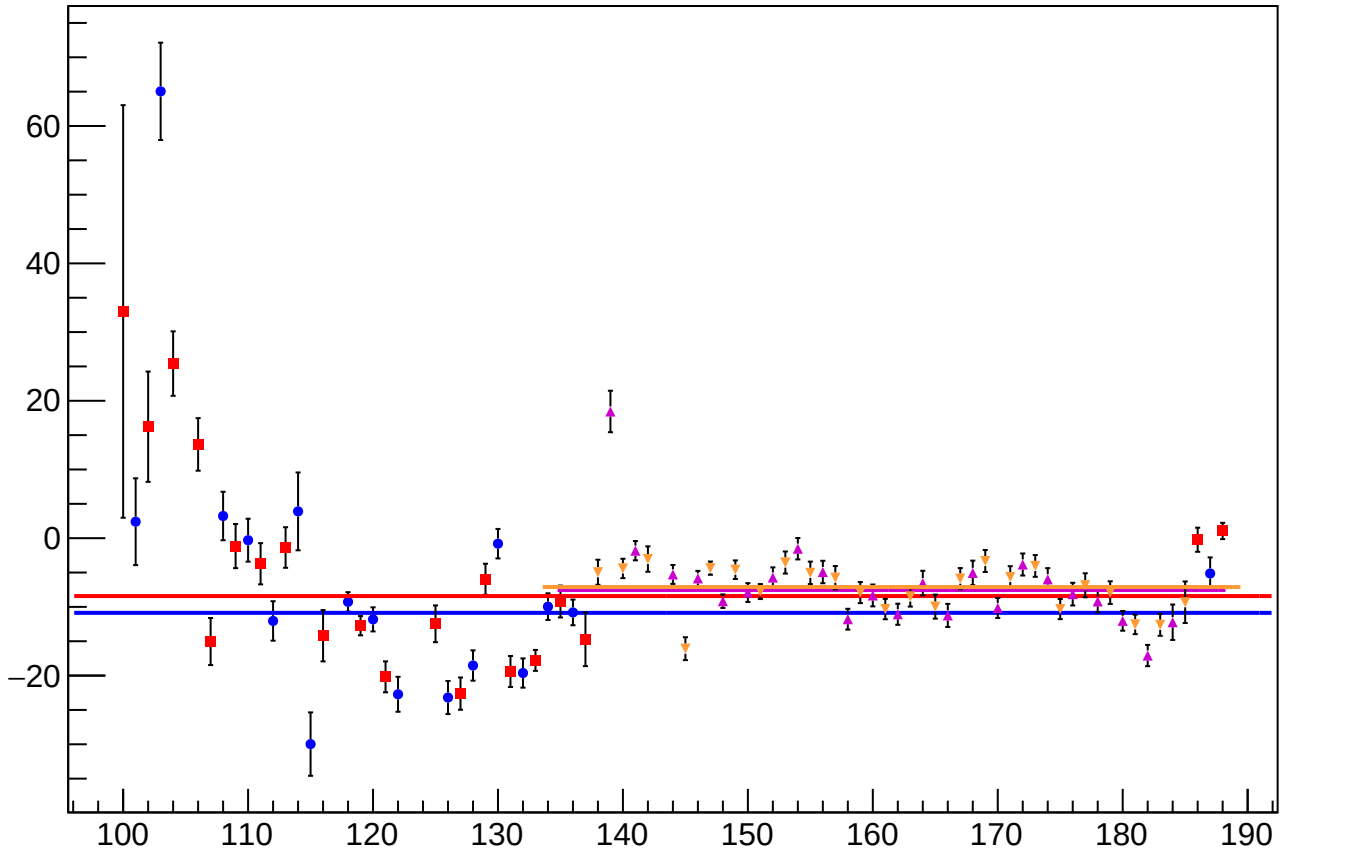
Right Out: -28.953+/-0.454 χ^2/NDF: 1149.3/19

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

\+ sign -30.195+/-0.326 χ^2/NDF: 1061.6/40

All: -30.680+/-0.223 χ^2/NDF: 2629.1/83

\- sign -31.104+/-0.305 χ^2/NDF: 1563.3/42



Right In: -10.869+/-0.581 χ^2/NDF: 277.5/16

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

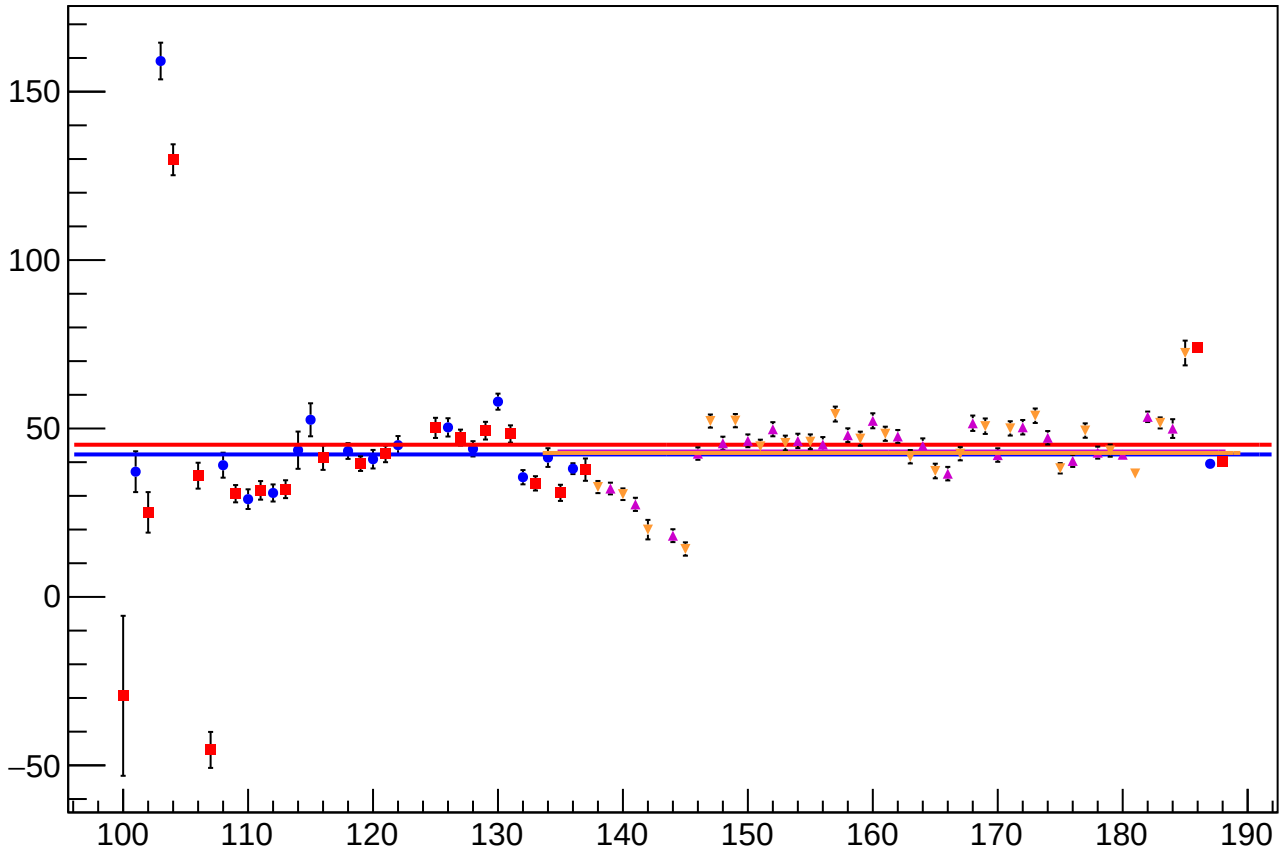
Right Out: -8.425+/-0.516 χ^2/NDF: 342.8/19

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

\+ sign -7.939+/-0.273 χ^2/NDF: 419.6/40

All: -7.861+/-0.192 χ^2/NDF: 964.4/83

\- sign -7.785+/-0.269 χ^2/NDF: 544.6/42



Right In: 42.298+/-0.587 χ^2/NDF: 583.4/16

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

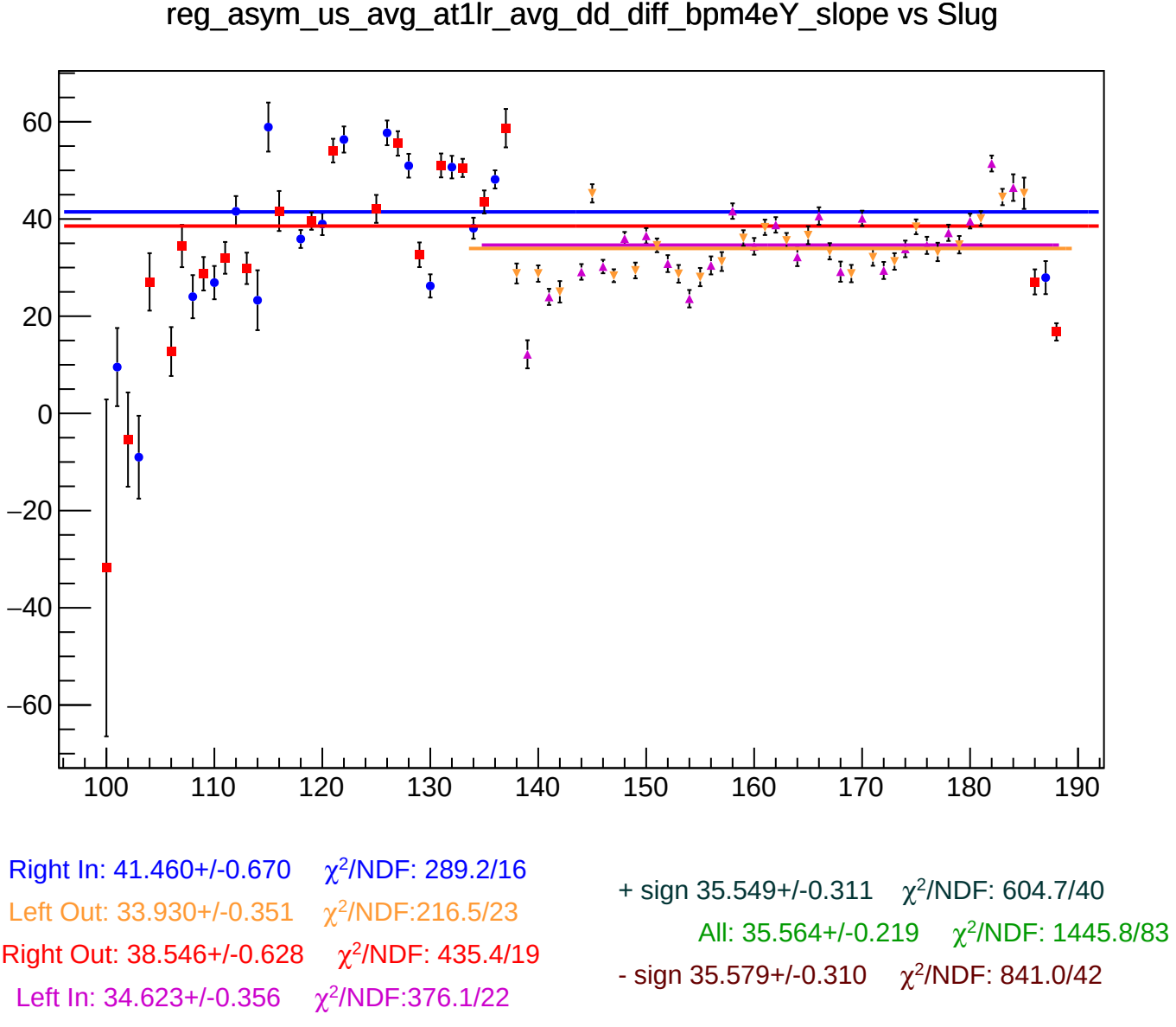
Right Out: 45.182+/-0.444 χ^2/NDF: 1530.6/19

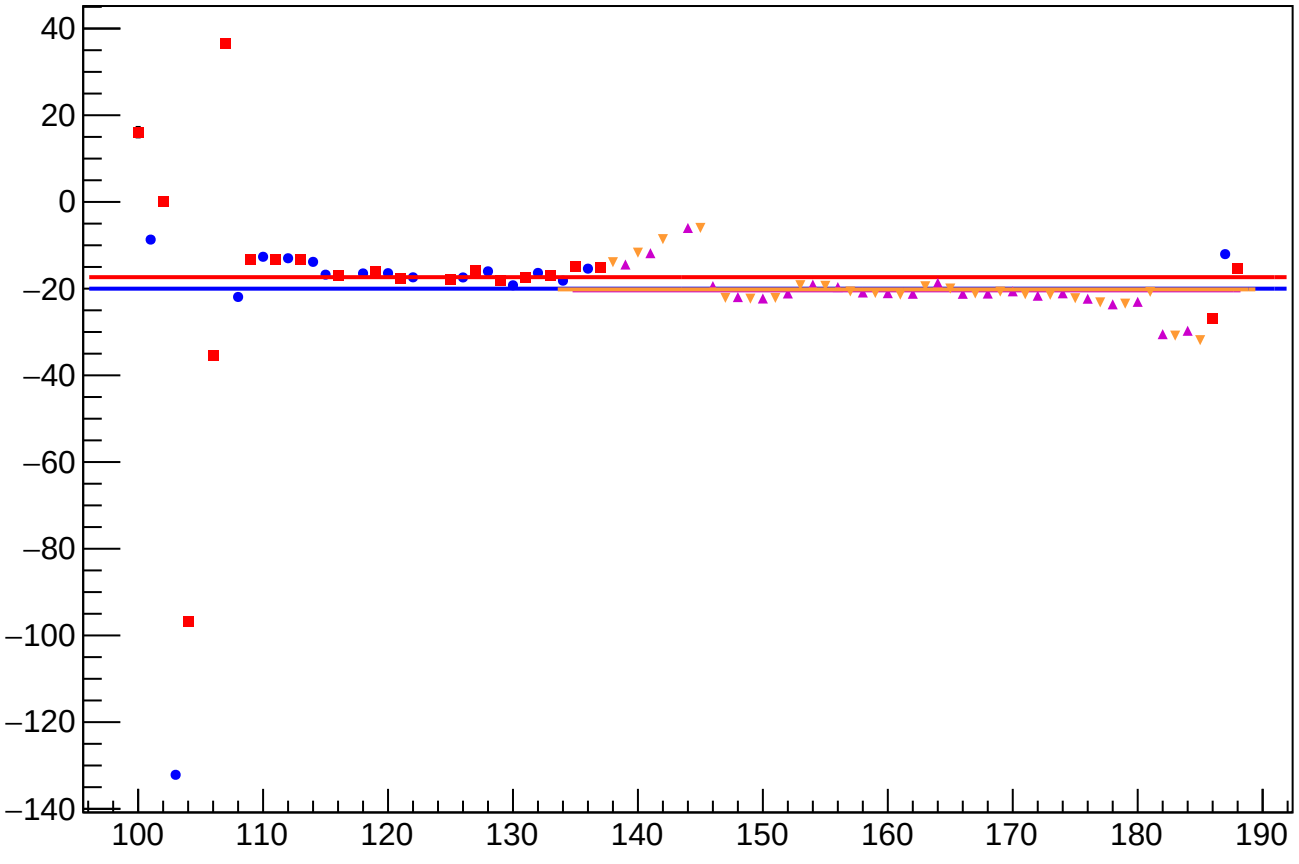
Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

\+ sign 42.602+/-0.332 χ^2/NDF: 1215.3/40

All: 43.421+/-0.223 χ^2/NDF: 3181.2/83

\- sign 44.089+/-0.300 χ^2/NDF: 1954.8/42


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: 41.460+/-0.670 χ²/NDF: 289.2/16
Left Out: 33.930+/-0.351 χ²/NDF:216.5/23
Right Out: 38.546+/-0.628 χ²/NDF: 435.4/19
Left In: 34.623+/-0.356 χ²/NDF:376.1/22
+ sign 35.549+/-0.311 χ²/NDF: 604.7/40
All: 35.564+/-0.219 χ²/NDF: 1445.8/83
- sign 35.579+/-0.310 χ²/NDF: 841.0/42



Right In: -20.007+/-0.041 χ^2/NDF: 247508.8/16

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

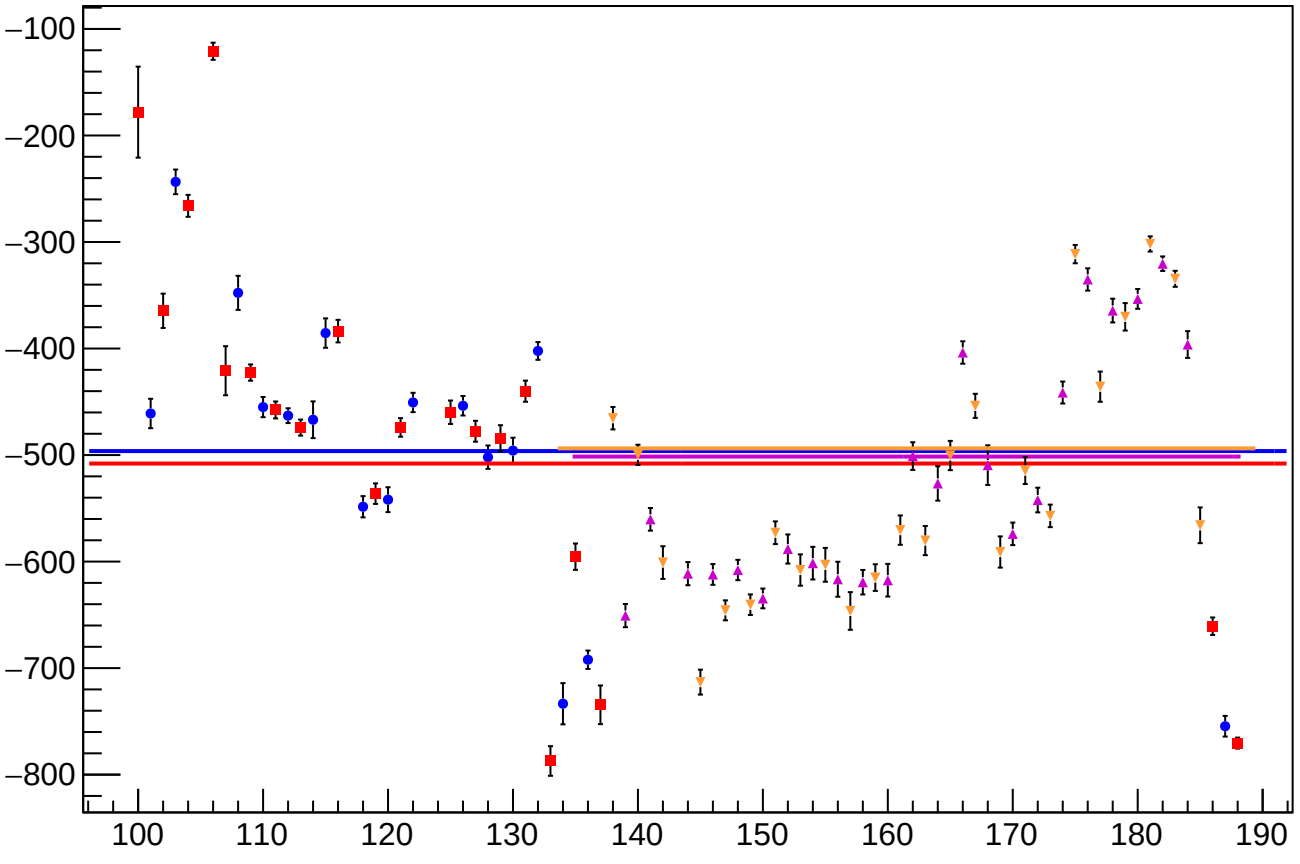
Right Out: -17.353+/-0.039 χ^2/NDF: 207709.5/19

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -20.152+/-0.015 χ^2/NDF: 347470.5/40

All: -20.060+/-0.010 χ^2/NDF: 641633.2/83

- sign -19.969+/-0.015 χ^2/NDF: 294084.7/42



Right In: -496.256+/-2.541 χ^2/NDF: 2270.8/16

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

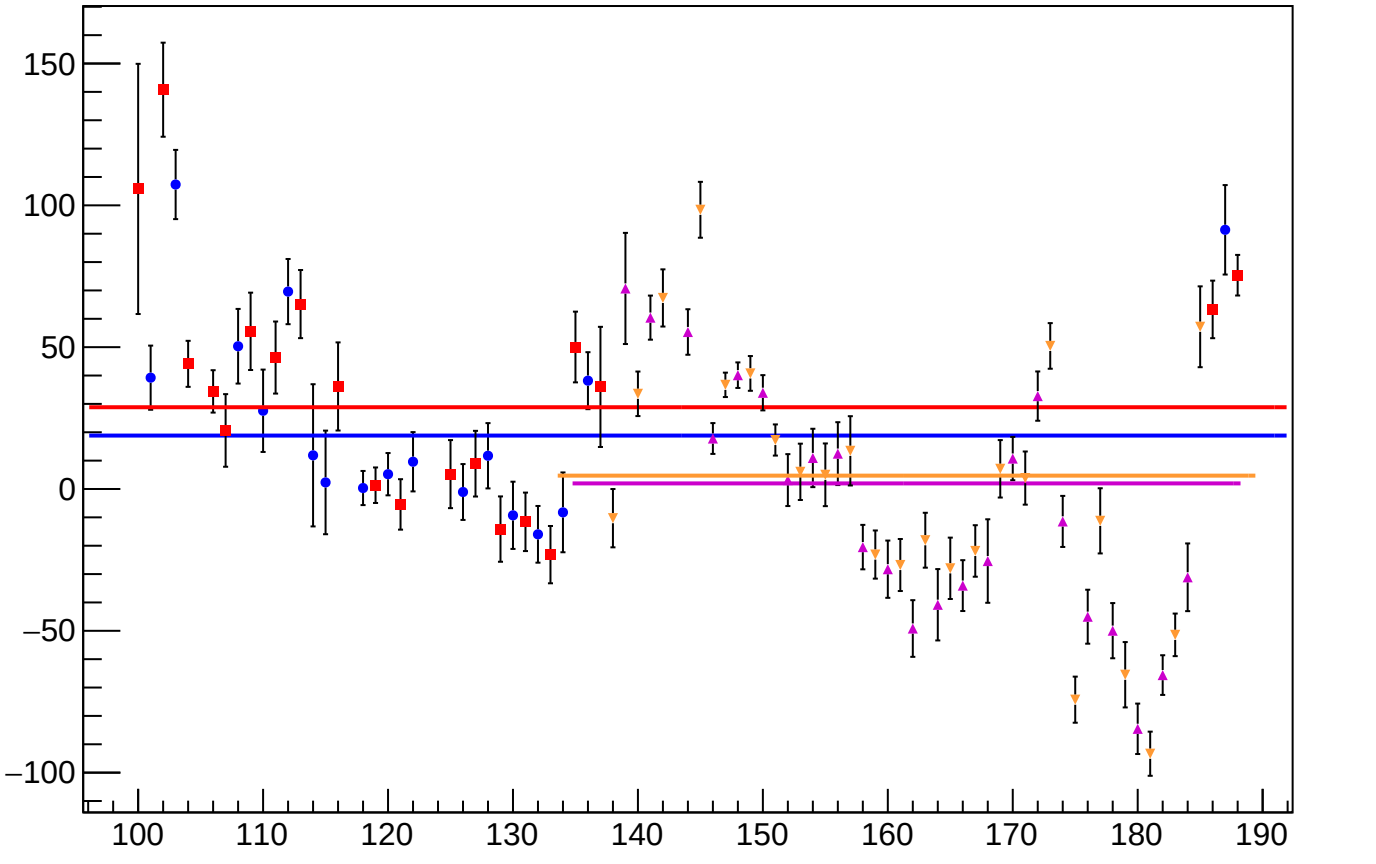
Right Out: -507.962+/-2.146 χ^2/NDF: 6981.8/19

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -494.860+/-1.703 χ^2/NDF: 5421.3/40

All: -500.300+/-1.155 χ^2/NDF: 15115.6/83

- sign -504.929+/-1.571 χ^2/NDF: 9675.4/42



Right In: 18.835+/-2.617 χ^2/NDF: 146.7/16

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 28.823+/-2.336 χ^2/NDF: 221.8/19

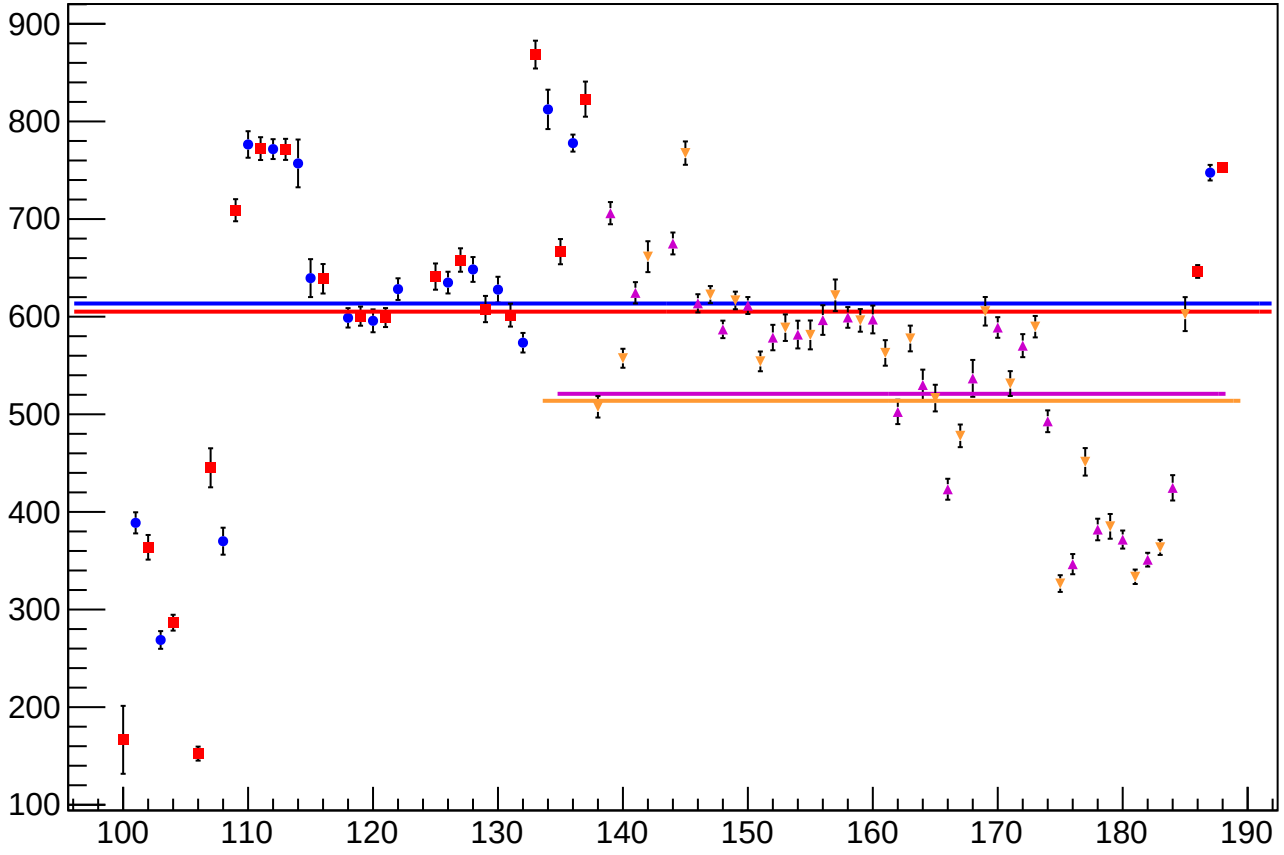
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

\+ sign 8.885+/-1.423 χ^2/NDF: 847.6/40

All: 10.187+/-0.993 χ^2/NDF: 1717.4/83

\- sign 11.423+/-1.386 χ^2/NDF: 868.2/42

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 613.493+/-2.750 χ^2/NDF: 3380.3/16

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

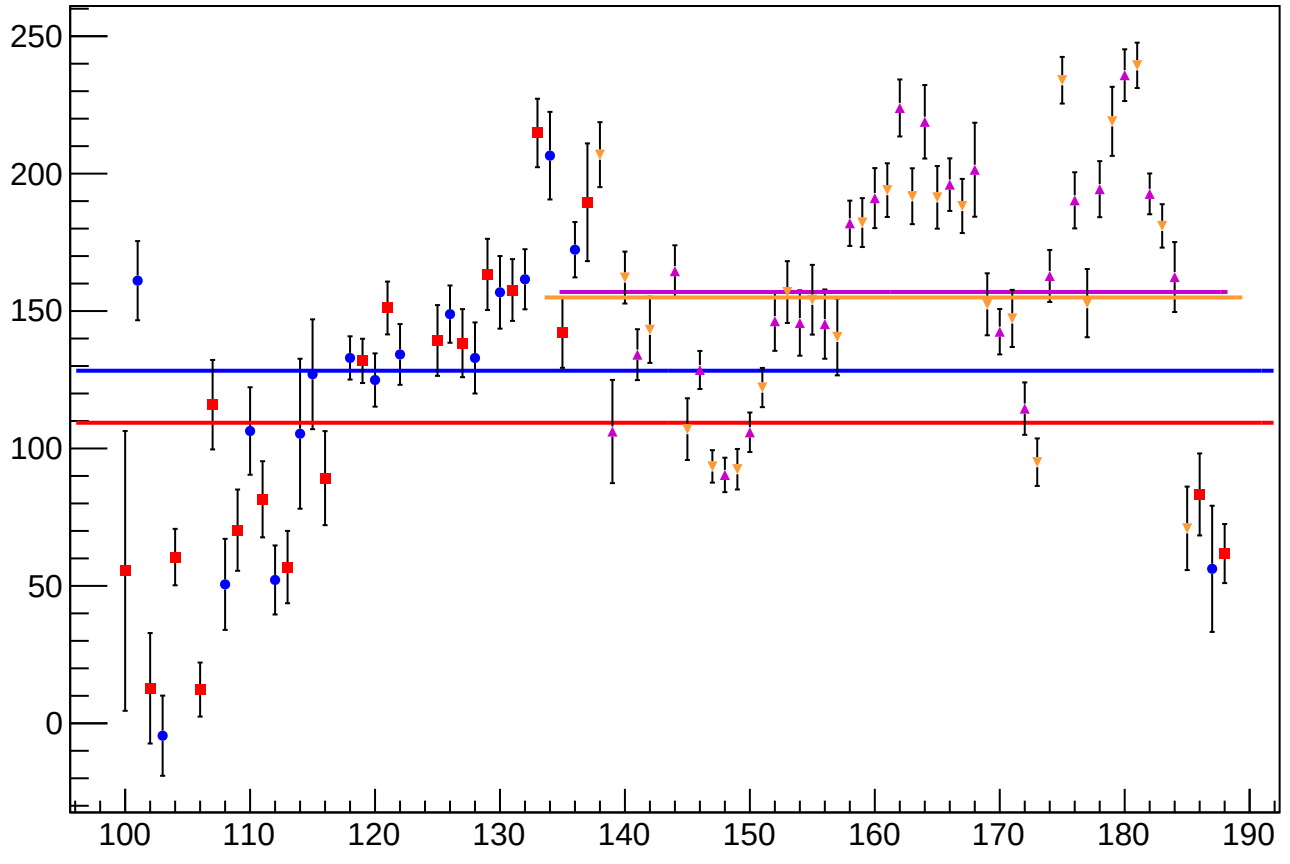
Right Out: 605.161+/-2.161 χ^2/NDF: 8491.6/19

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 554.367+/-1.754 χ^2/NDF: 6895.0/40

All: 560.486+/-1.170 χ^2/NDF: 18568.2/83

- sign 565.387+/-1.570 χ^2/NDF: 11651.2/42



Right In: 128.288+/-3.053 χ^2/NDF: 221.3/16

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

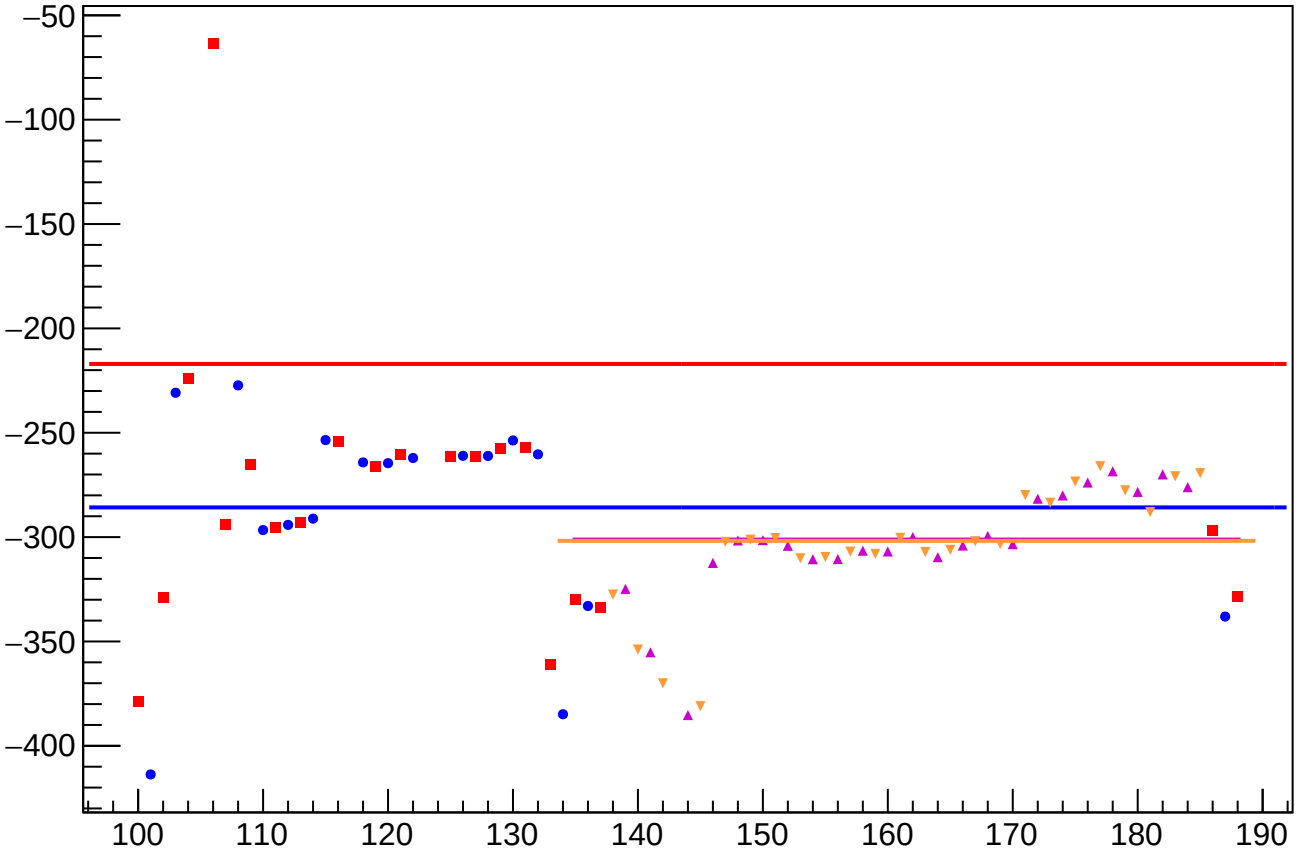
Right Out: 109.360+/-2.817 χ^2/NDF: 361.1/19

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 147.204+/-1.645 χ^2/NDF: 884.3/40

All: 144.194+/-1.153 χ^2/NDF: 1886.7/83

- sign 141.294+/-1.615 χ^2/NDF: 995.8/42



Right In: -285.771+/-0.176 χ^2/NDF: 106072.2/16

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

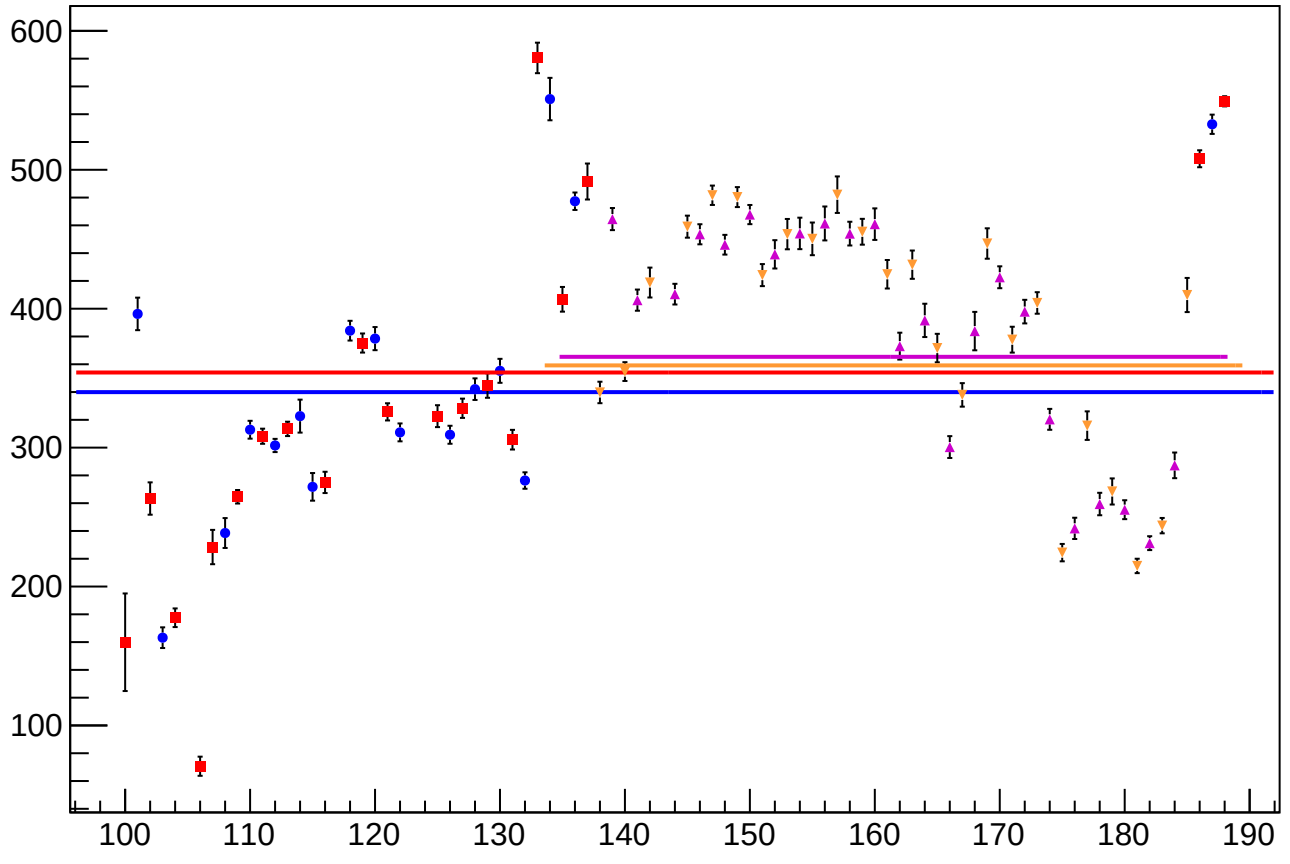
Right Out: -217.037+/-0.143 χ^2/NDF: 584297.6/19

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -298.416+/-0.081 χ^2/NDF: 199338.2/40

All: -287.208+/-0.055 χ^2/NDF: 1144124.2/83

- sign -277.225+/-0.076 χ^2/NDF: 908295.1/42



Right In: 339.949+/-1.794 χ^2/NDF: 2471.0/16

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

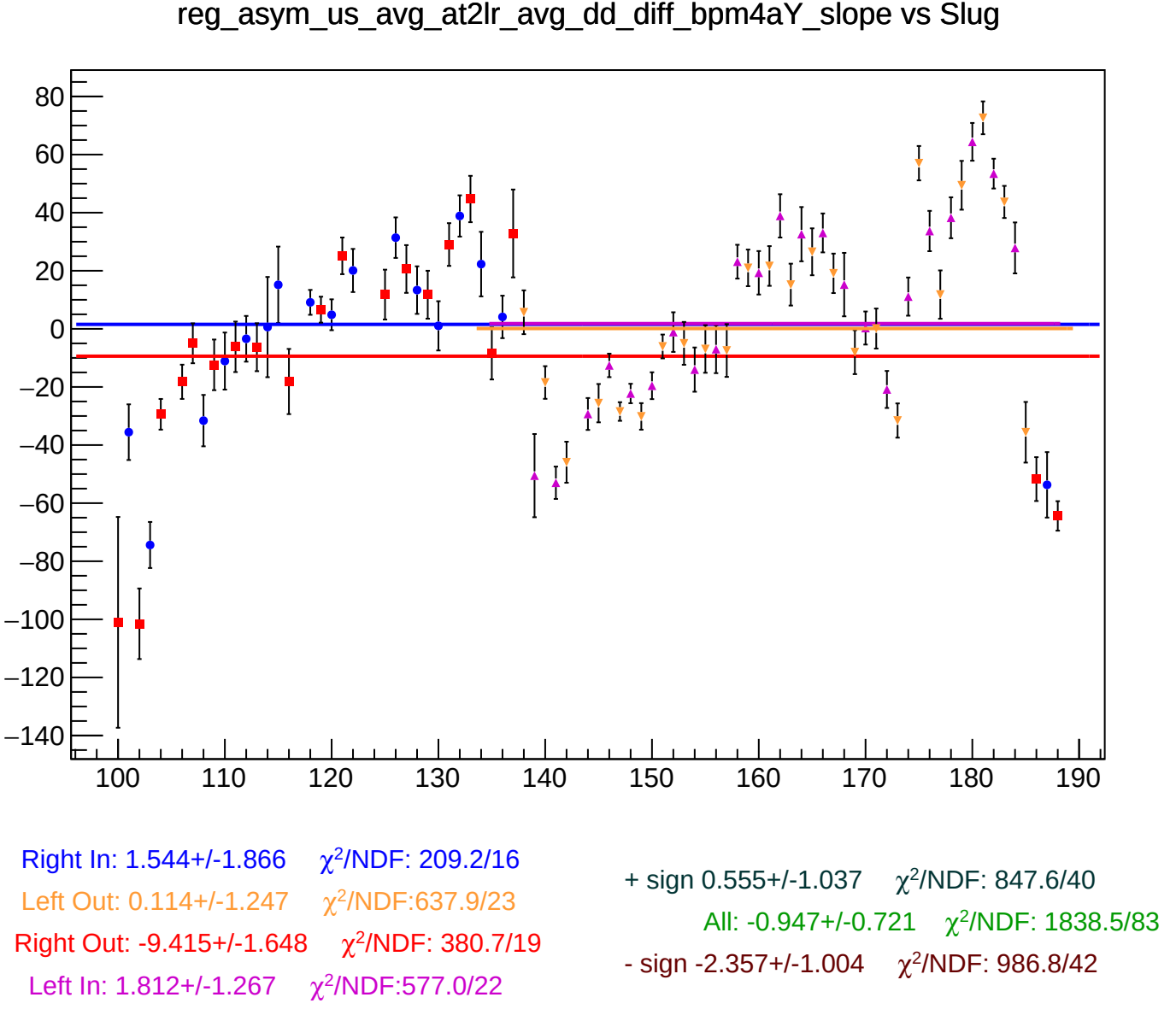
Right Out: 354.078+/-1.517 χ^2/NDF: 7335.5/19

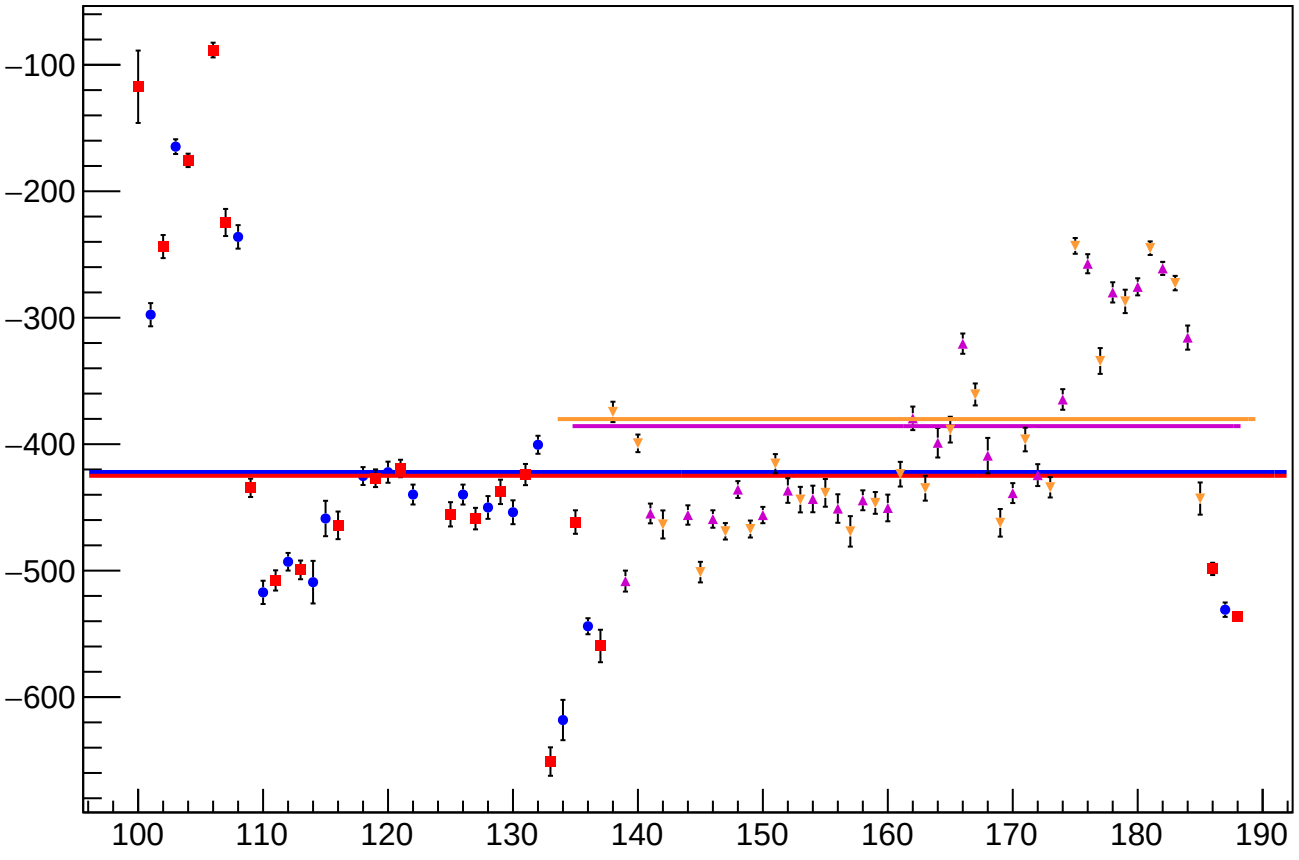
Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 350.191+/-1.227 χ^2/NDF: 5720.1/40

All: 355.014+/-0.831 χ^2/NDF: 15848.4/83

- sign 359.107+/-1.130 χ^2/NDF: 10099.6/42


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
180
190
Right In: 1.544+/-1.866 χ²/NDF: 209.2/16
Left Out: 0.114+/-1.247 χ²/NDF:637.9/23
Right Out: -9.415+/-1.648 χ²/NDF: 380.7/19
Left In: 1.812+/-1.267 χ²/NDF:577.0/22
+ sign 0.555+/-1.037 χ²/NDF: 847.6/40
All: -0.947+/-0.721 χ²/NDF: 1838.5/83
- sign -2.357+/-1.004 χ²/NDF: 986.8/42



Right In: -421.997+/-1.949 χ^2/NDF: 3694.1/16

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

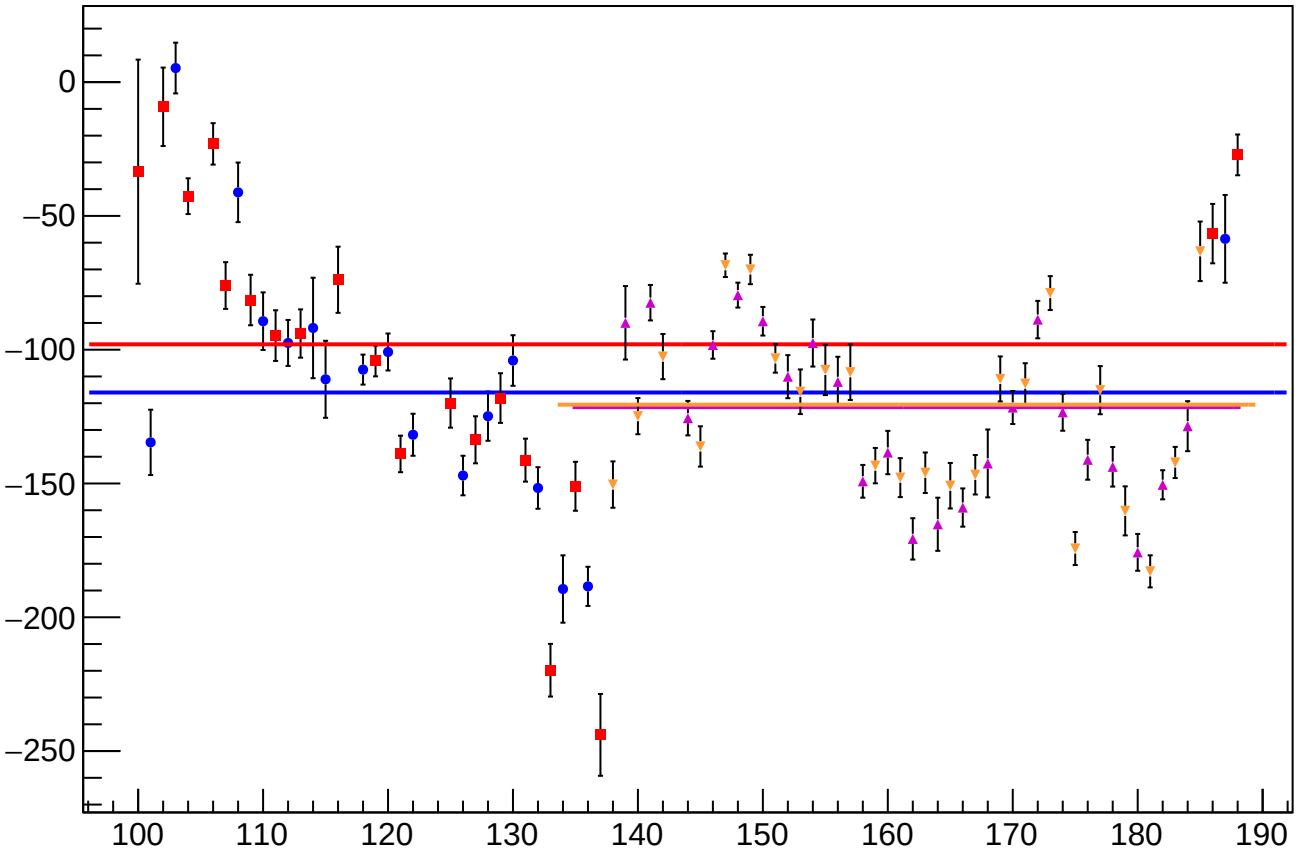
Right Out: -424.998+/-1.536 χ^2/NDF: 8871.2/19

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -397.862+/-1.268 χ^2/NDF: 6578.7/40

All: -402.986+/-0.845 χ^2/NDF: 18138.7/83

- sign -407.076+/-1.133 χ^2/NDF: 11530.6/42



Right In: -115.994+/-2.175 χ^2/NDF: 420.3/16

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

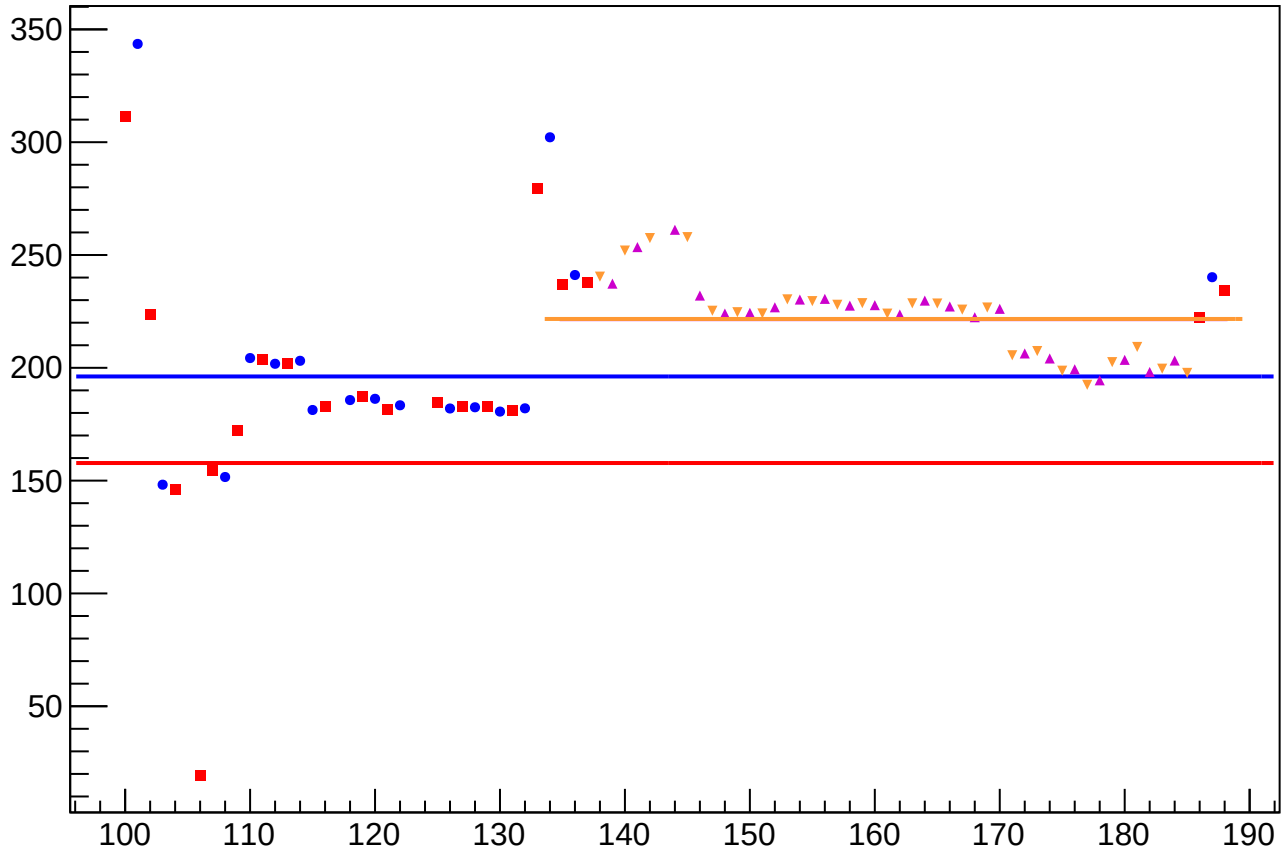
Right Out: -97.989+/-1.984 χ^2/NDF: 685.7/19

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

\+ sign -119.162+/-1.198 χ^2/NDF: 1034.8/40

All: -116.155+/-0.837 χ^2/NDF: 2256.7/83

\- sign -113.285+/-1.170 χ^2/NDF: 1209.6/42



Right In: 196.169+/-0.123 χ^2/NDF: 179333.4/16

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

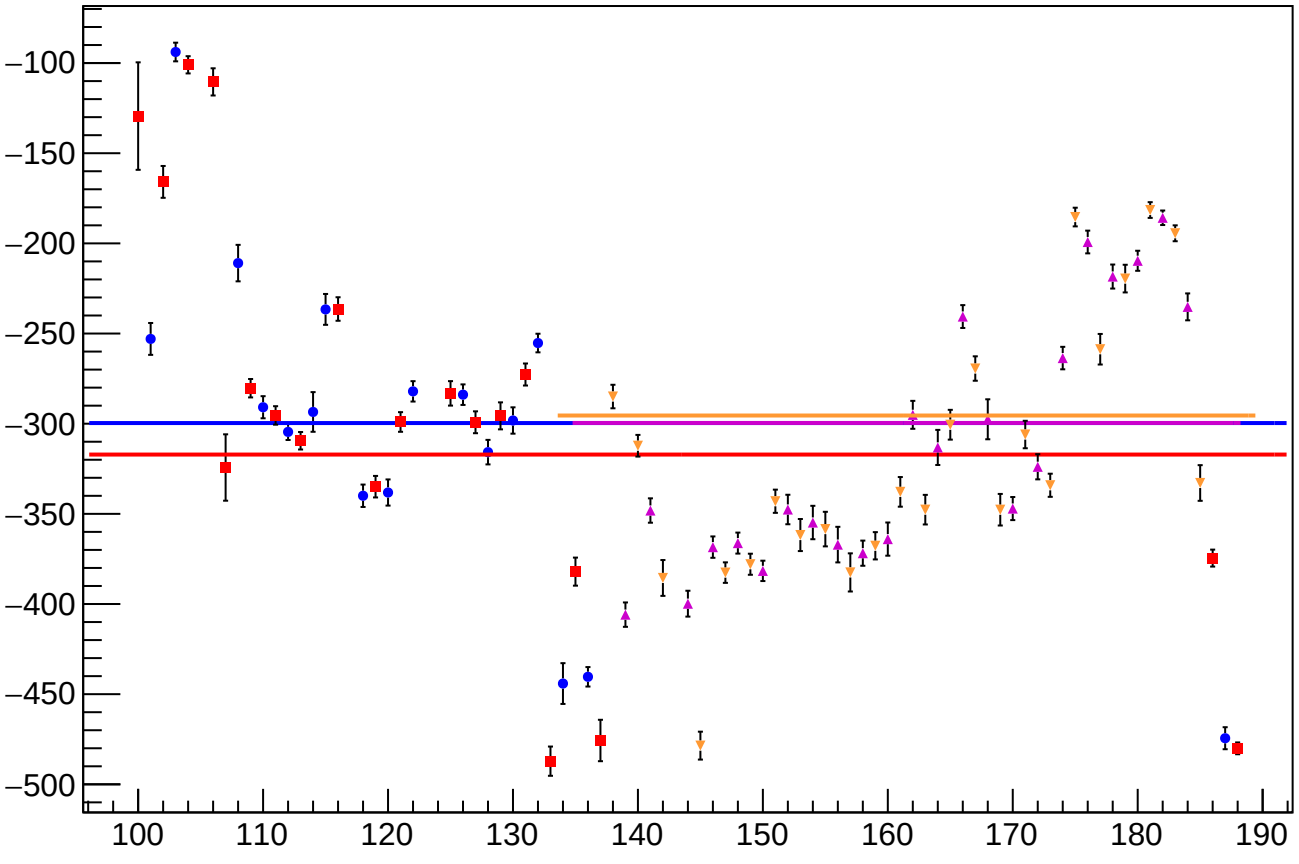
Right Out: 157.803+/-0.105 χ^2/NDF: 545253.3/19

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 215.899+/-0.059 χ^2/NDF: 279519.2/40

All: 209.432+/-0.041 χ^2/NDF: 1172652.0/83

- sign 203.527+/-0.056 χ^2/NDF: 869888.9/42



Right In: -299.644+/-1.558 χ^2/NDF: 3572.8/16

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

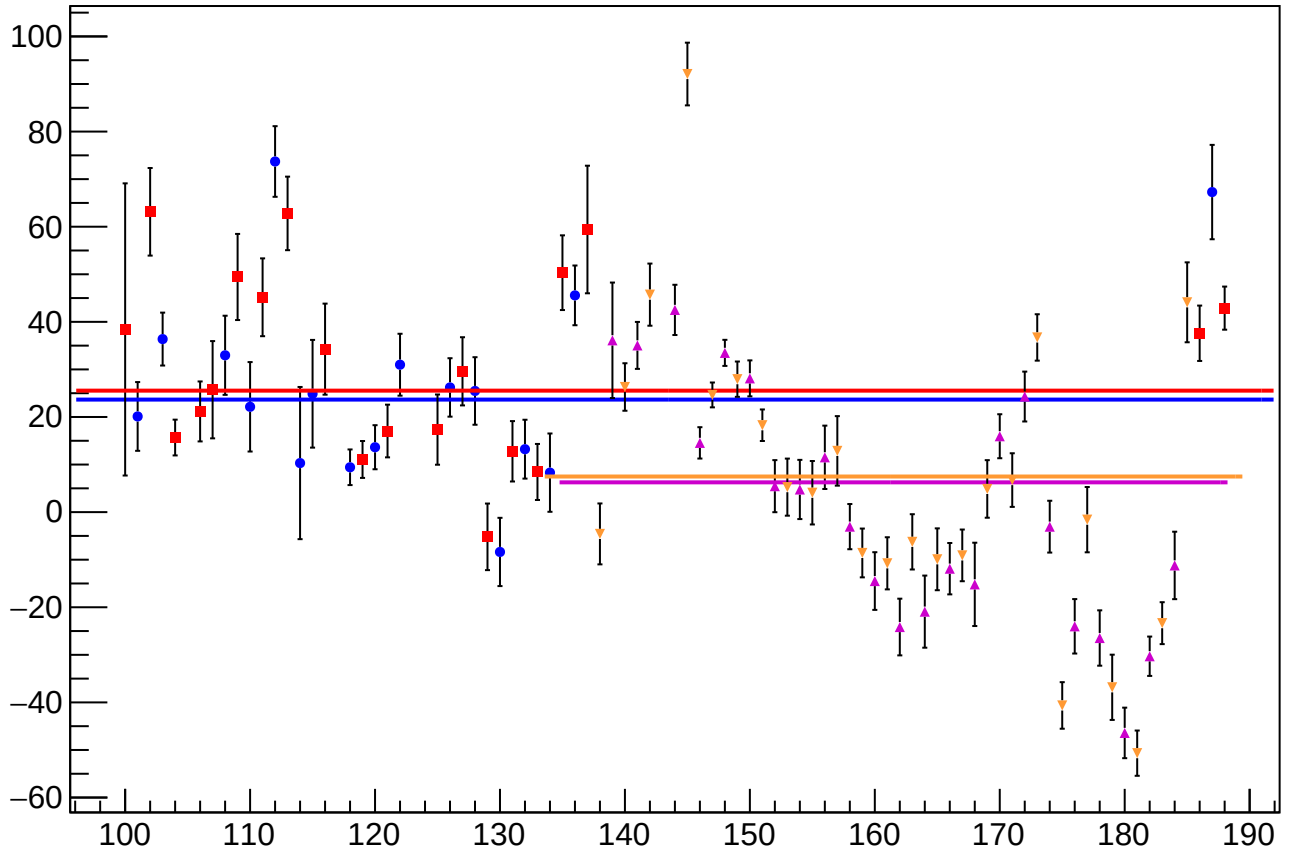
Right Out: -317.116+/-1.344 χ^2/NDF: 6787.7/19

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -297.321+/-1.038 χ^2/NDF: 6923.1/40

All: -303.401+/-0.708 χ^2/NDF: 16828.4/83

- sign -308.690+/-0.968 χ^2/NDF: 9841.2/42



Right In: 23.657+/-1.600 χ^2/NDF: 131.3/16

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 25.539+/-1.437 χ^2/NDF: 145.8/19

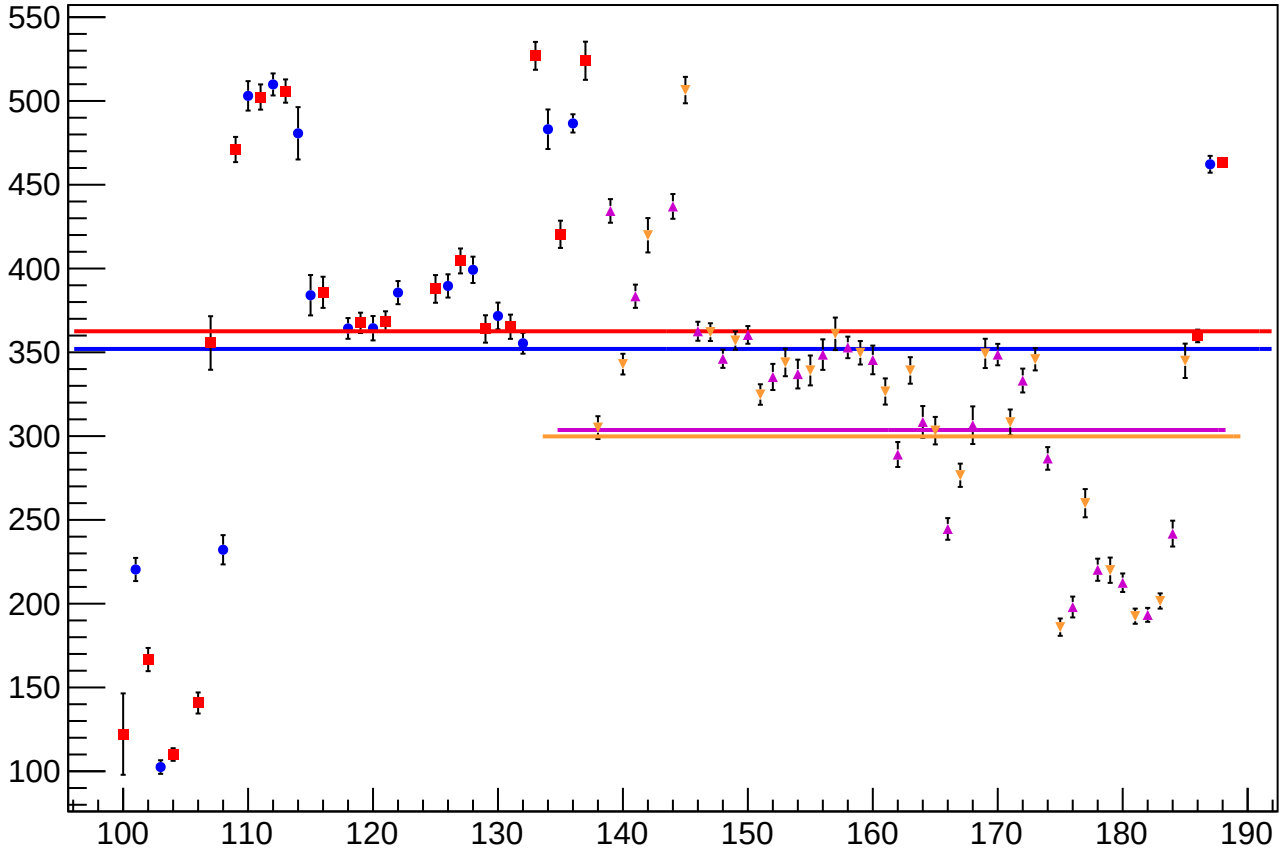
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 12.222+/-0.866 χ^2/NDF: 942.0/40

All: 12.583+/-0.605 χ^2/NDF: 1765.3/83

- sign 12.926+/-0.845 χ^2/NDF: 823.0/42

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 352.018+/-1.651 χ^2/NDF: 6583.8/16

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 362.558+/-1.332 χ^2/NDF: 9770.4/19

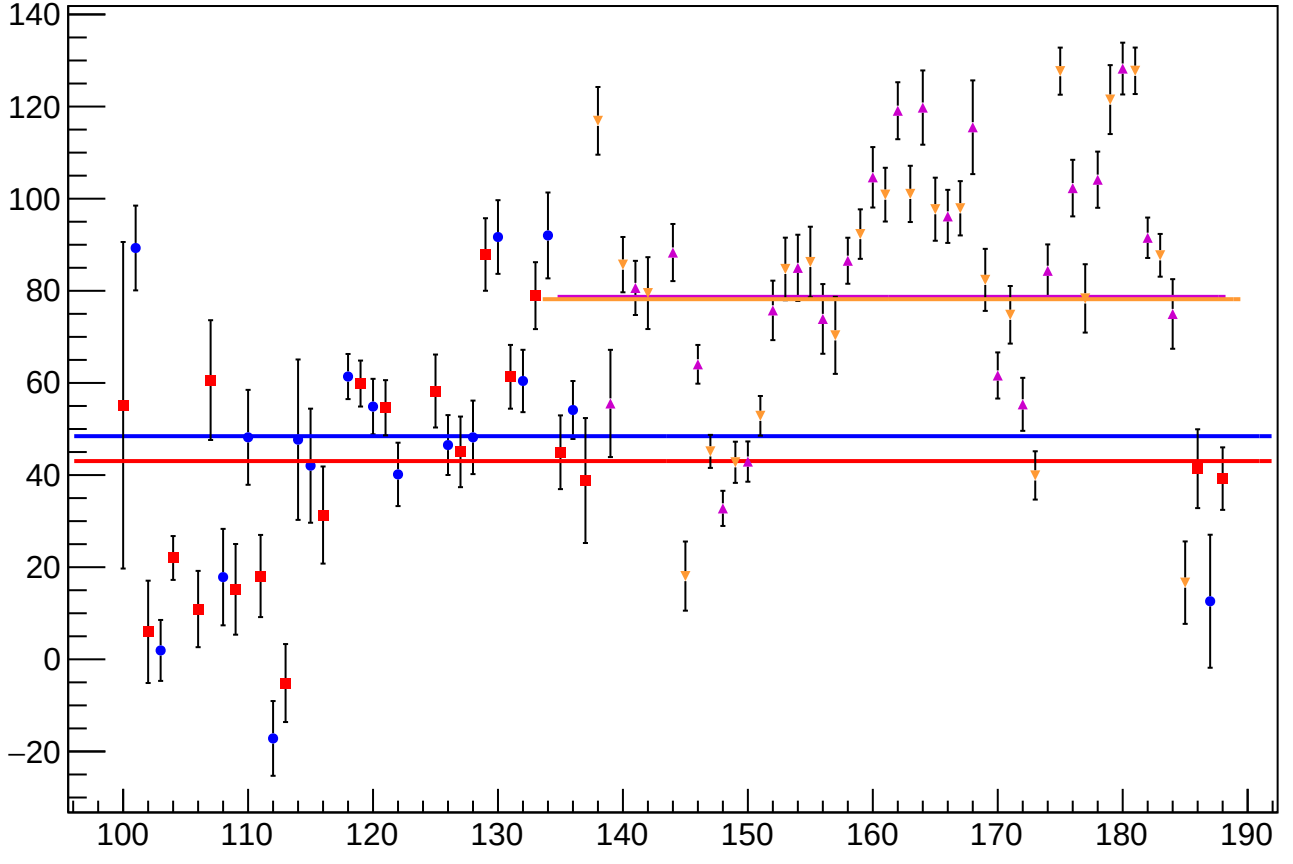
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 321.313+/-1.059 χ^2/NDF: 10248.0/40

All: 328.390+/-0.711 χ^2/NDF: 23913.5/83

- sign 334.196+/-0.959 χ^2/NDF: 13584.3/42

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 48.444+/-1.867 χ^2/NDF: 214.2/16

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

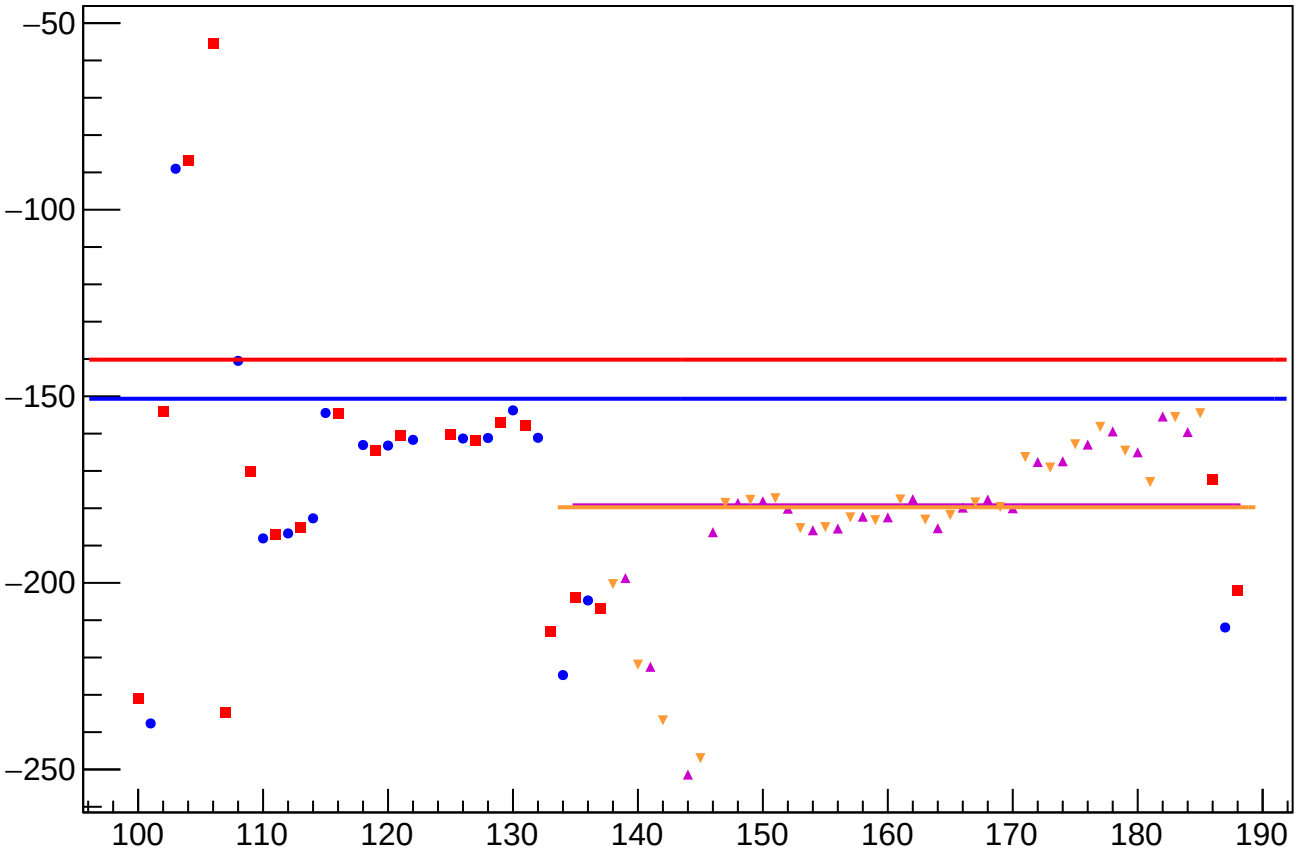
Right Out: 43.038+/-1.734 χ^2/NDF: 180.4/19

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 69.644+/-1.000 χ^2/NDF: 1058.5/40

All: 68.405+/-0.701 χ^2/NDF: 2017.2/83

- sign 67.207+/-0.984 χ^2/NDF: 955.7/42



Right In: -150.660+/-0.100 χ^2/NDF: 262363.0/16

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

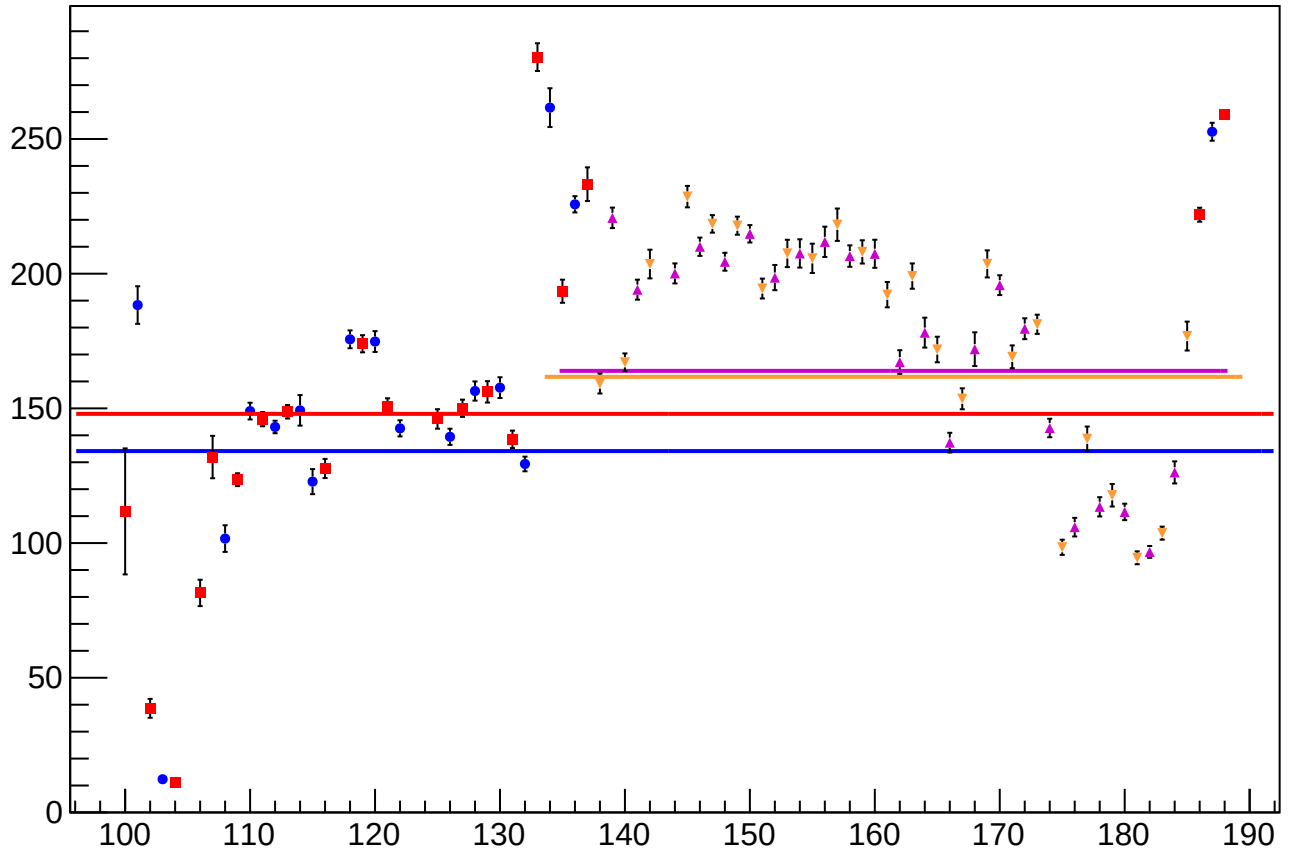
Right Out: -140.181+/-0.092 χ^2/NDF: 349272.0/19

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -172.989+/-0.048 χ^2/NDF: 459441.9/40

All: -171.020+/-0.034 χ^2/NDF: 1057747.1/83

- sign -169.151+/-0.047 χ^2/NDF: 595051.9/42



Right In: 134.150+/-0.788 χ^2/NDF: 7509.9/16

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

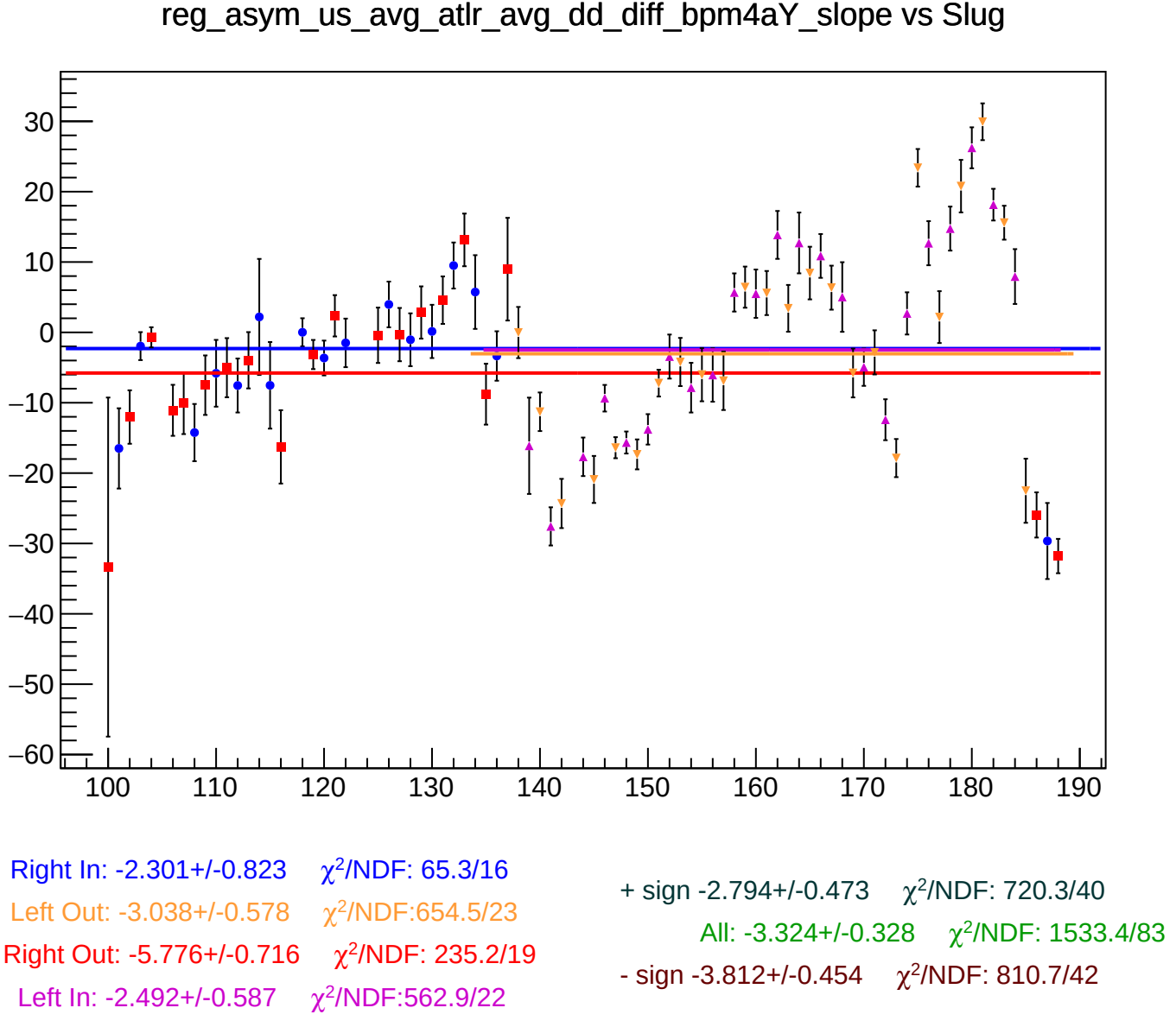
Right Out: 147.963+/-0.684 χ^2/NDF: 12768.5/19

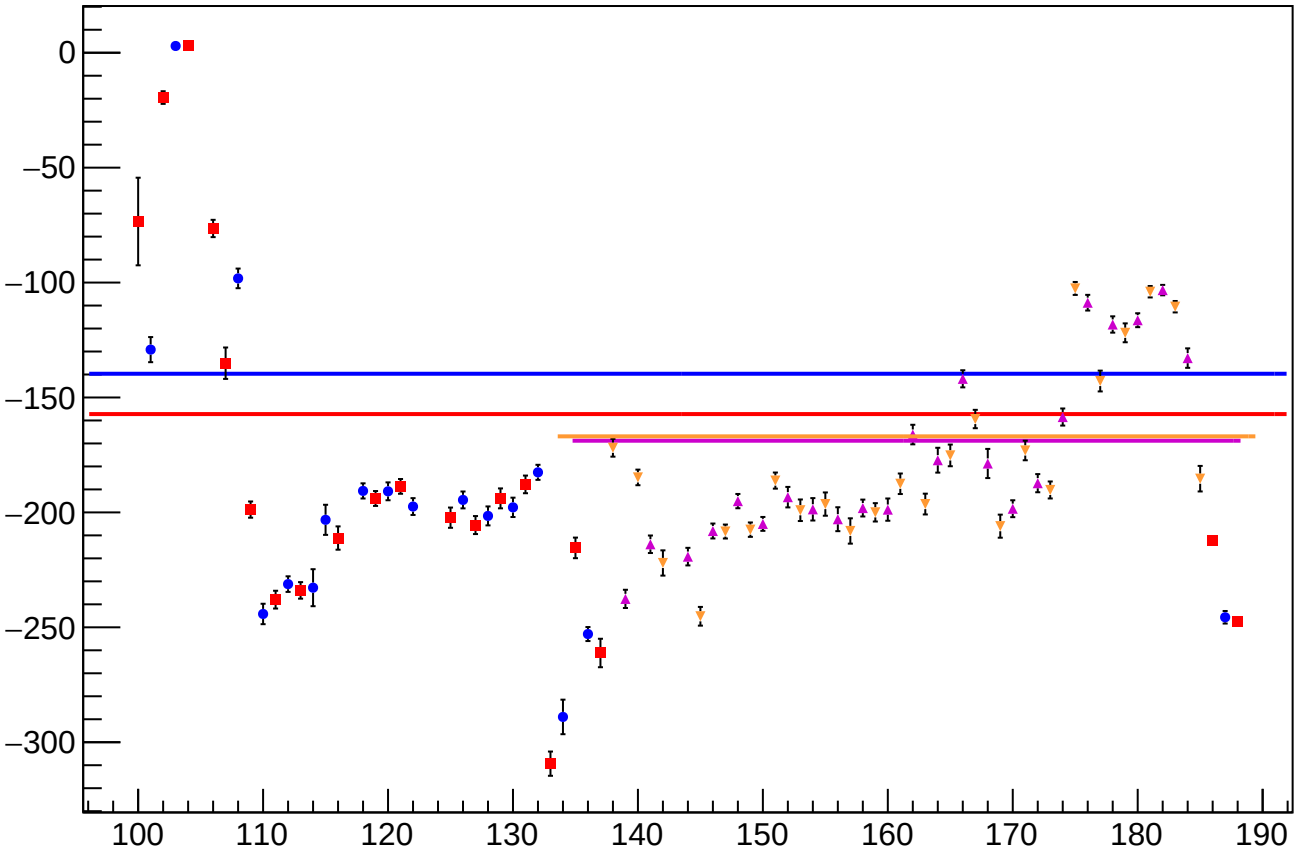
Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 148.132+/-0.553 χ^2/NDF: 11718.2/40

All: 151.767+/-0.376 χ^2/NDF: 28140.0/83

- sign 154.907+/-0.514 χ^2/NDF: 16341.2/42


reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
180
190
Right In: -2.301+/-0.823 χ²/NDF: 65.3/16
Left Out: -3.038+/-0.578 χ²/NDF:654.5/23
Right Out: -5.776+/-0.716 χ²/NDF: 235.2/19
Left In: -2.492+/-0.587 χ²/NDF:562.9/22
+ sign -2.794+/-0.473 χ²/NDF: 720.3/40
All: -3.324+/-0.328 χ²/NDF: 1533.4/83
- sign -3.812+/-0.454 χ²/NDF: 810.7/42



Right In: -139.673+/-0.808 χ^2/NDF: 16337.4/16

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

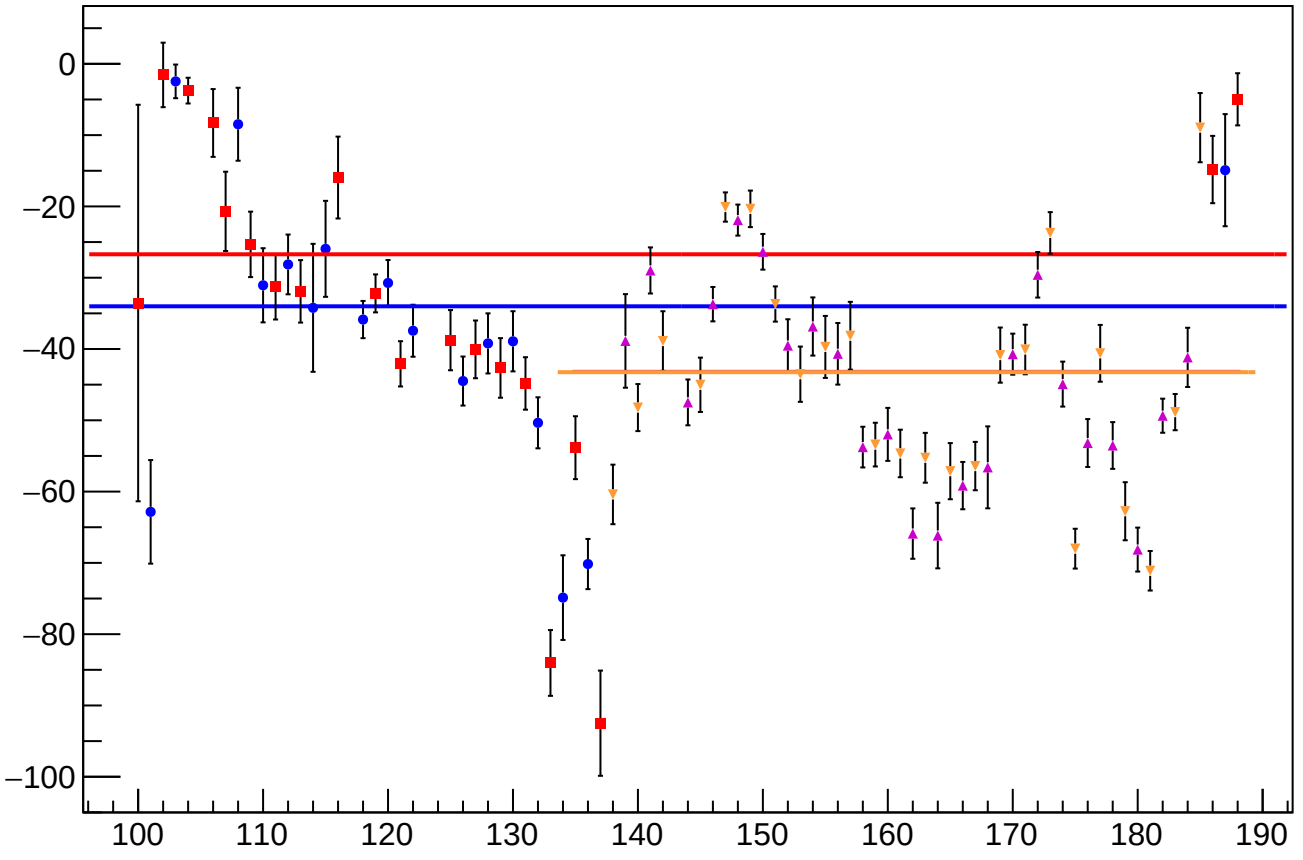
Right Out: -157.218+/-0.667 χ^2/NDF: 23149.1/19

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -153.941+/-0.558 χ^2/NDF: 20028.3/40

All: -158.465+/-0.374 χ^2/NDF: 46485.5/83

- sign -162.172+/-0.505 χ^2/NDF: 26337.6/42



Right In: -34.011+/-0.961 χ^2/NDF: 417.3/16

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

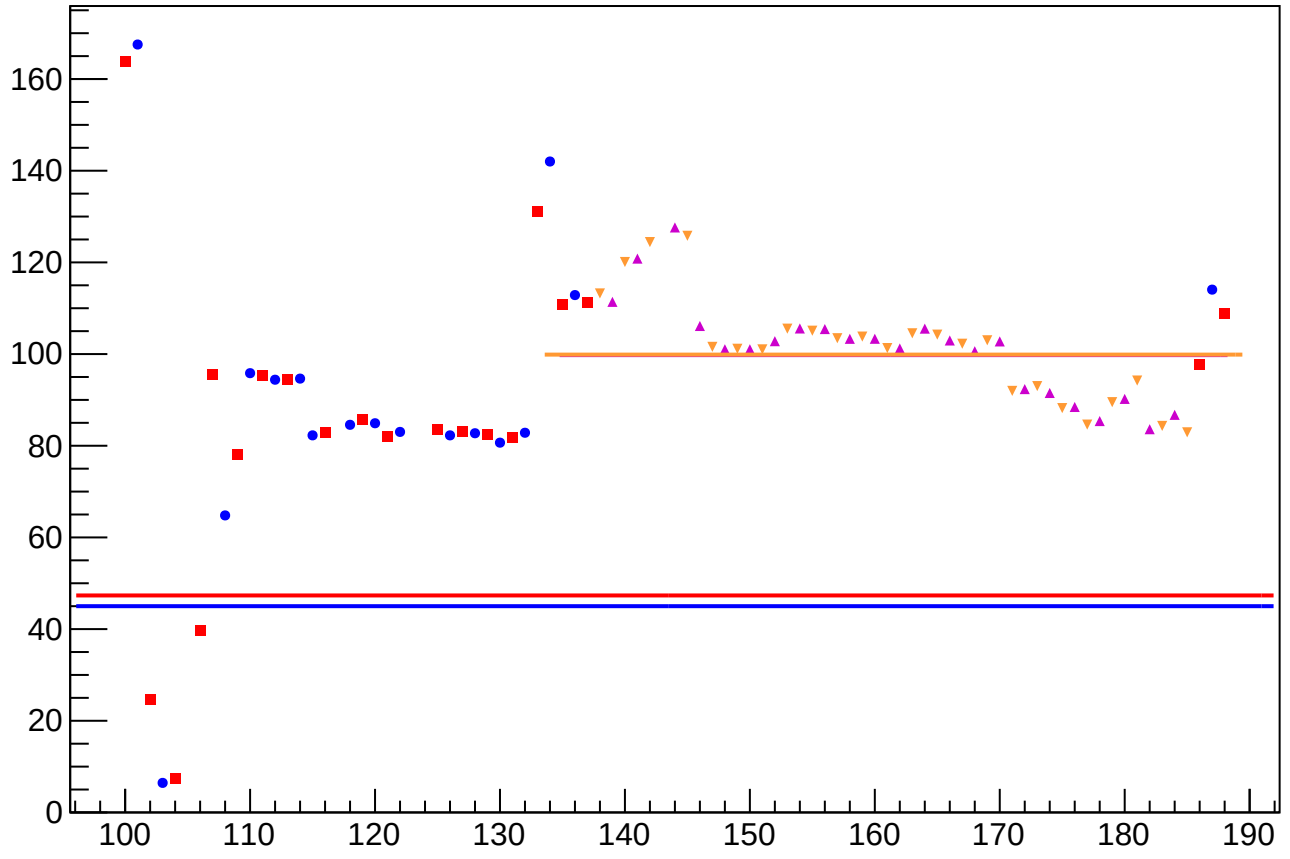
Right Out: -26.713+/-0.865 χ^2/NDF: 613.5/19

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -40.263+/-0.546 χ^2/NDF: 1090.0/40

All: -38.595+/-0.380 χ^2/NDF: 2354.6/83

- sign -37.025+/-0.530 χ^2/NDF: 1246.5/42



Right In: 45.001+/-0.045 χ^2/NDF: 1110202.3/16

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

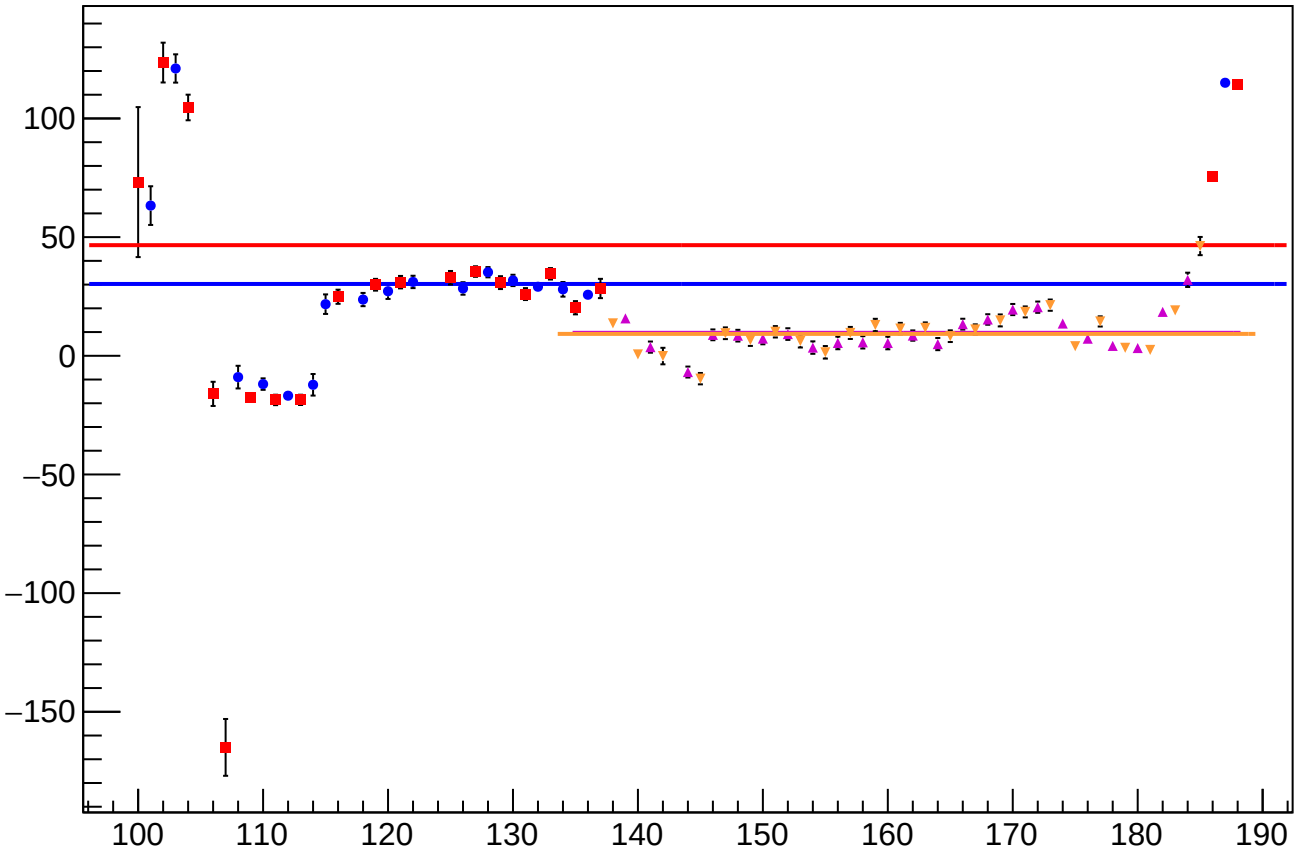
Right Out: 47.340+/-0.043 χ^2/NDF: 939895.7/19

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 82.242+/-0.025 χ^2/NDF: 2256367.0/40

All: 82.340+/-0.018 χ^2/NDF: 4283401.9/83

- sign 82.435+/-0.025 χ^2/NDF: 2027005.6/42



Right In: 30.267+/-0.649 χ^2/NDF: 3089.2/16

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

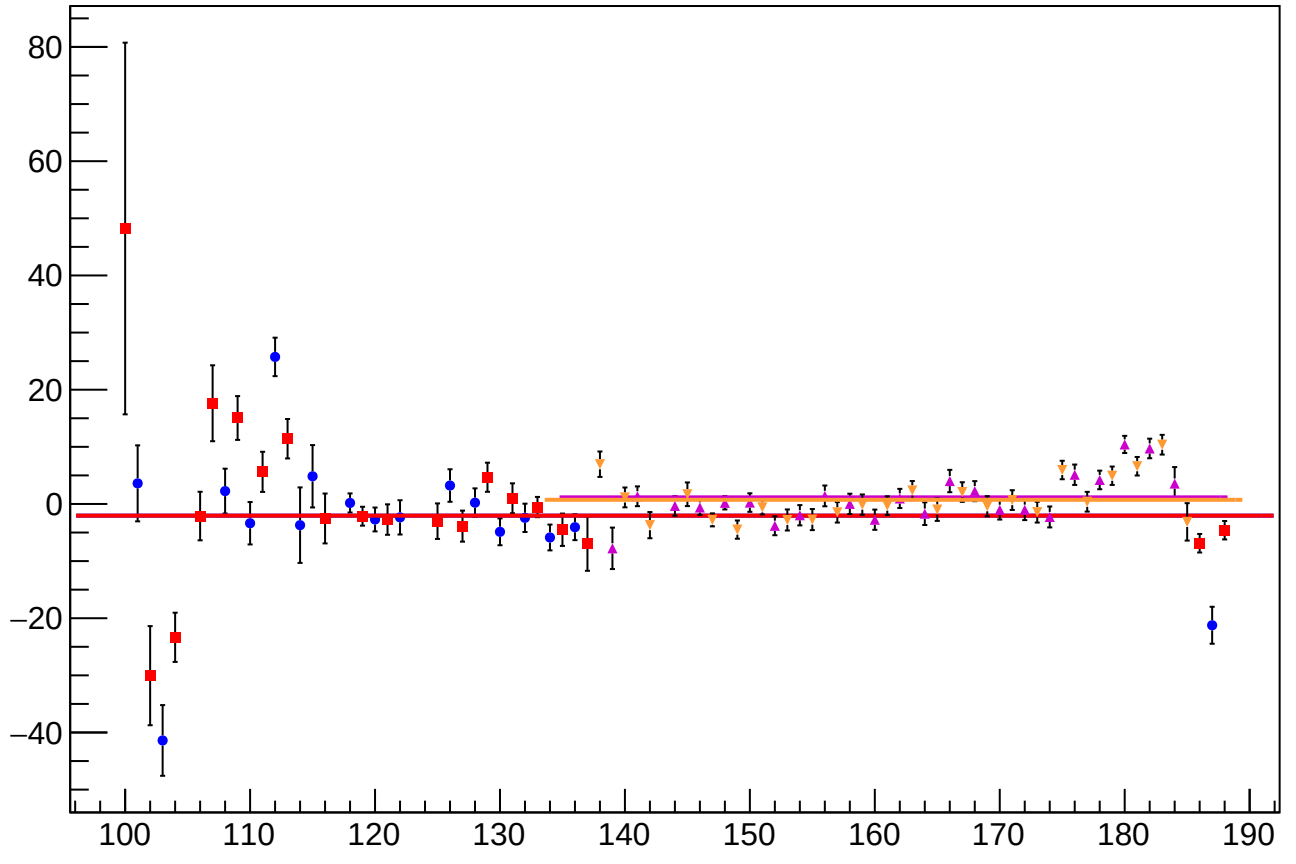
Right Out: 46.615+/-0.538 χ^2/NDF: 7692.1/19

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

\+ sign 16.186+/-0.373 χ^2/NDF: 4119.4/40

All: 21.071+/-0.256 χ^2/NDF: 15093.0/83

\- sign 25.377+/-0.351 χ^2/NDF: 10651.6/42



Right In: -2.047+/-0.683 χ^2/NDF: 158.7/16

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

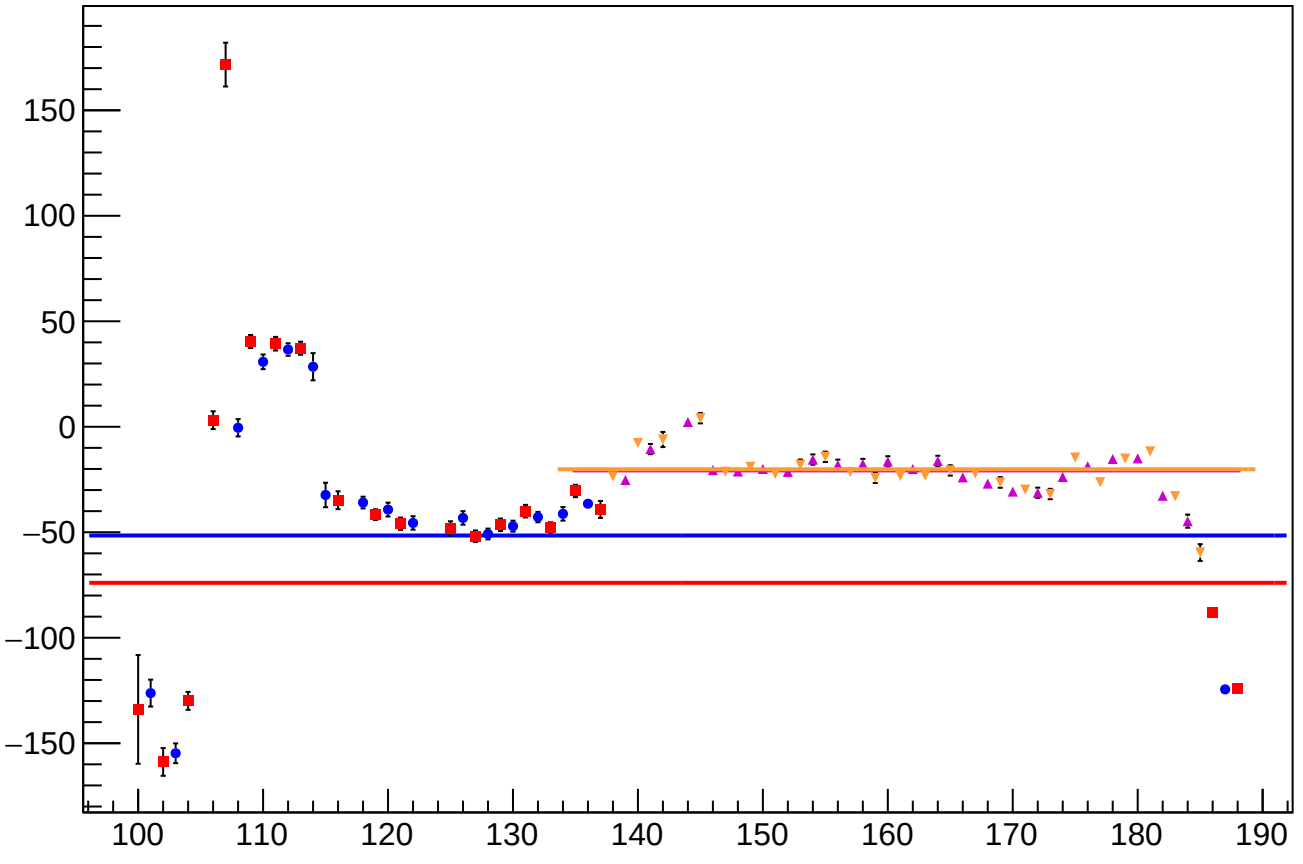
Right Out: -2.045+/-0.605 χ^2/NDF: 108.7/19

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

+ sign 0.154+/-0.311 χ^2/NDF: 281.5/40

All: 0.242+/-0.219 χ^2/NDF: 521.6/83

- sign 0.329+/-0.308 χ^2/NDF: 239.9/42



Right In: -51.541+/-0.708 χ^2/NDF: 4521.9/16

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

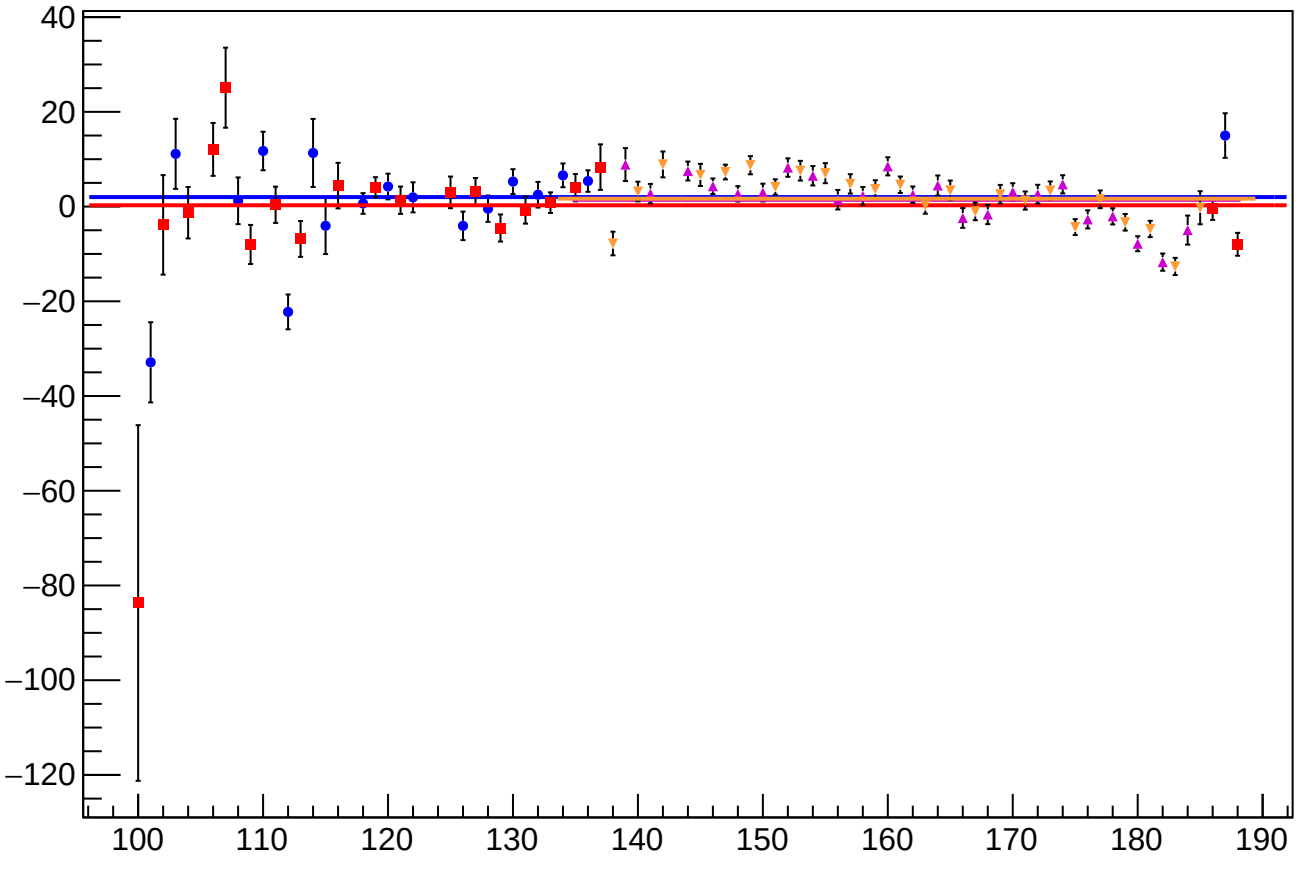
Right Out: -73.957+/-0.527 χ^2/NDF: 9244.4/19

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

+ sign -29.249+/-0.381 χ^2/NDF: 6337.3/40

All: -37.119+/-0.256 χ^2/NDF: 22493.8/83

- sign -43.583+/-0.346 χ^2/NDF: 15380.5/42



Right In: 2.003+/-0.786 χ^2/NDF: 91.1/16

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

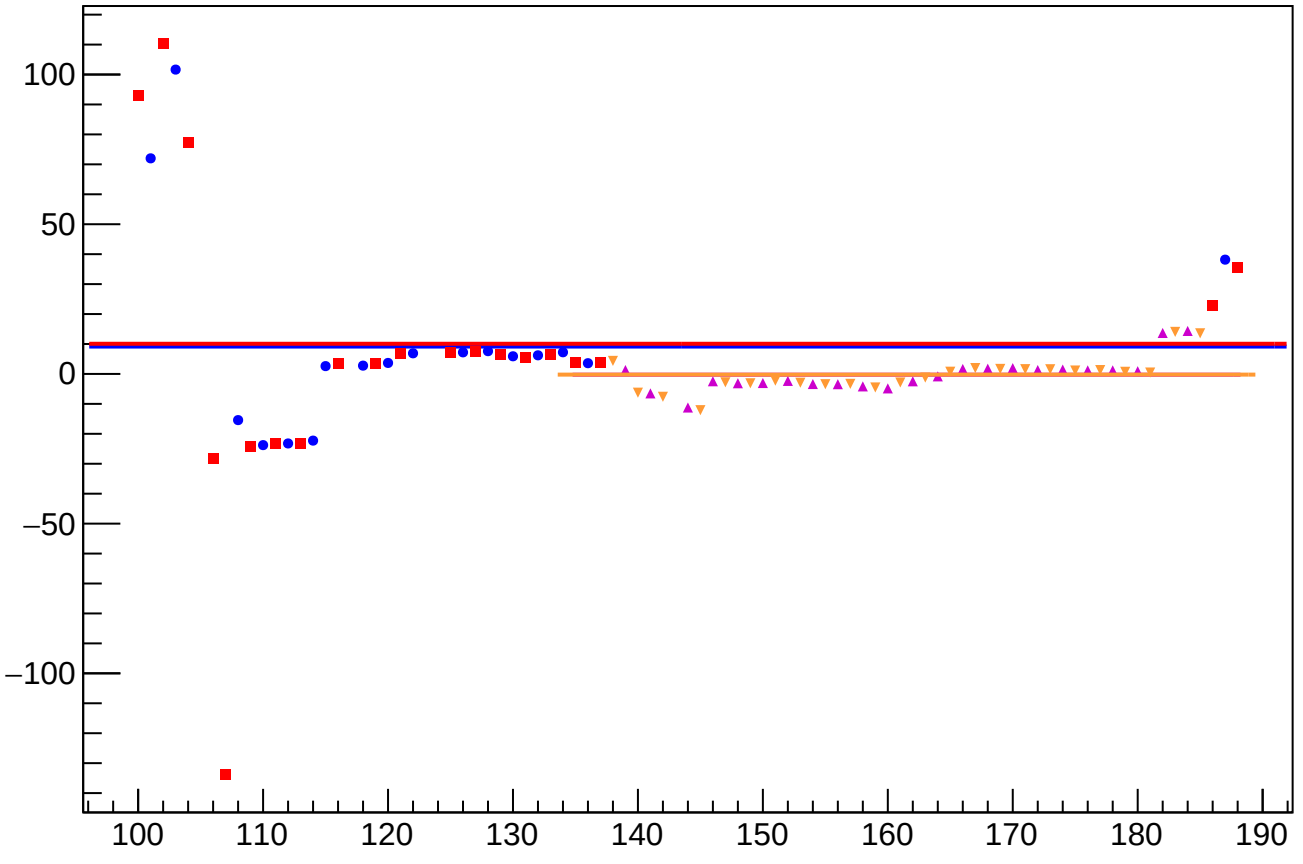
Right Out: 0.273+/-0.736 χ^2/NDF: 50.8/19

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.738+/-0.353 χ^2/NDF: 269.2/40

All: 1.450+/-0.250 χ^2/NDF: 486.1/83

- sign 1.162+/-0.353 χ^2/NDF: 215.5/42



Right In: 9.144+/-0.048 χ^2/NDF: 326154.6/16

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 10.073+/-0.046 χ^2/NDF: 503912.6/19

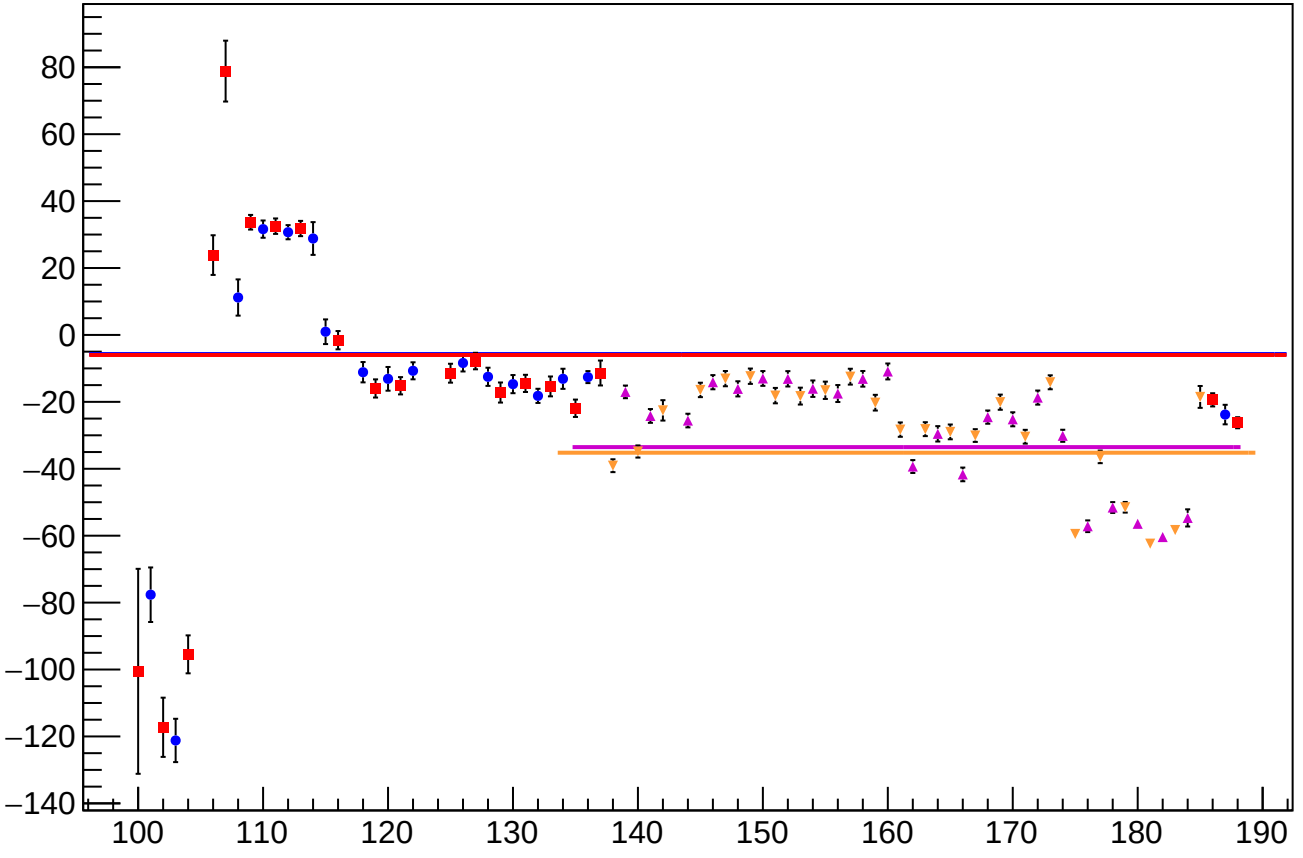
Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 0.904+/-0.017 χ^2/NDF: 441271.1/40

All: 0.985+/-0.012 χ^2/NDF: 1061952.6/83

- sign 1.067+/-0.017 χ^2/NDF: 620633.3/42

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -5.717+/-0.691 χ^2/NDF: 1087.0/16

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

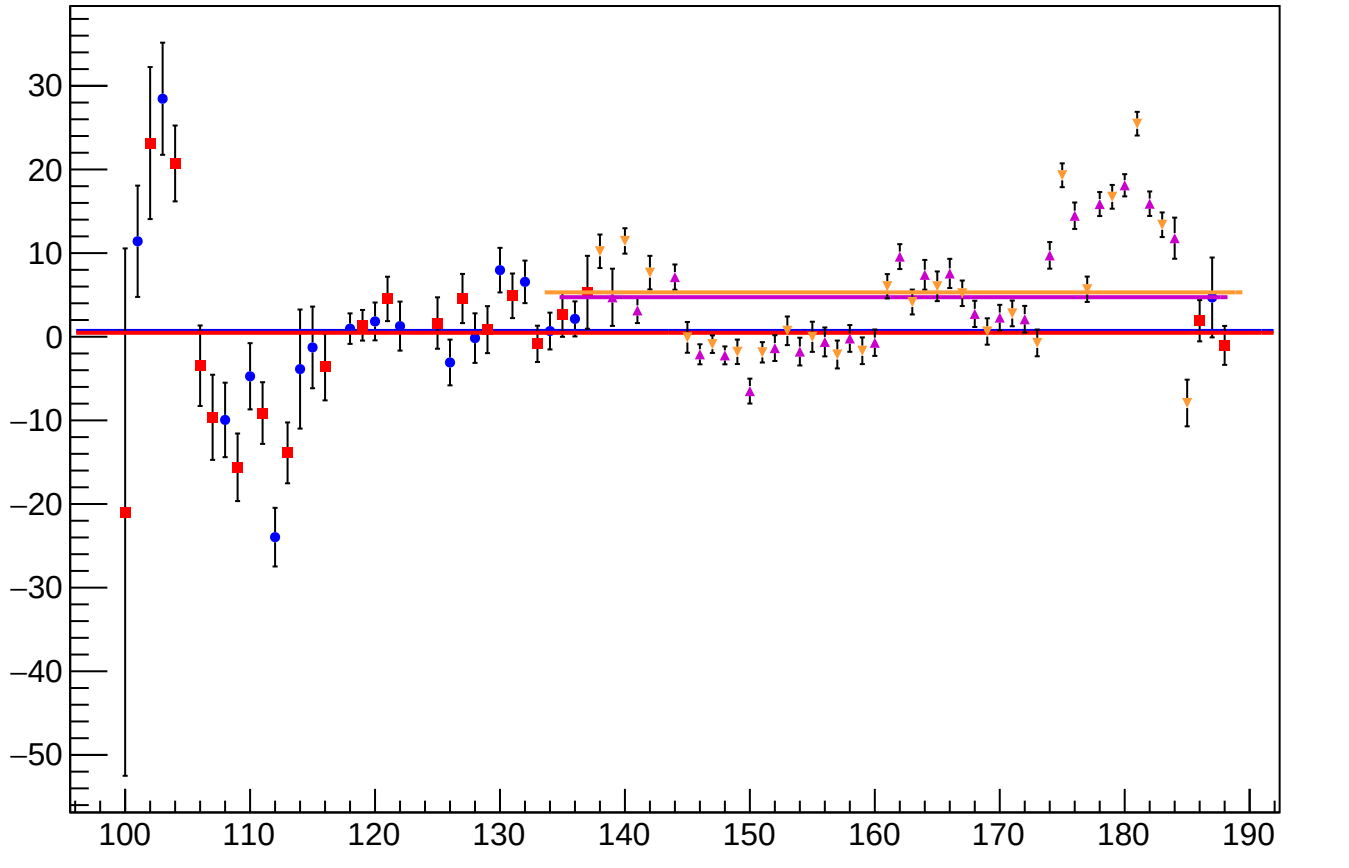
Right Out: -5.990+/-0.620 χ^2/NDF: 1713.7/19

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -27.579+/-0.351 χ^2/NDF: 4286.7/40

All: -26.285+/-0.246 χ^2/NDF: 9198.2/83

- sign -25.045+/-0.344 χ^2/NDF: 4884.9/42



Right In: 0.695+/-0.719 χ^2/NDF: 93.6/16

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

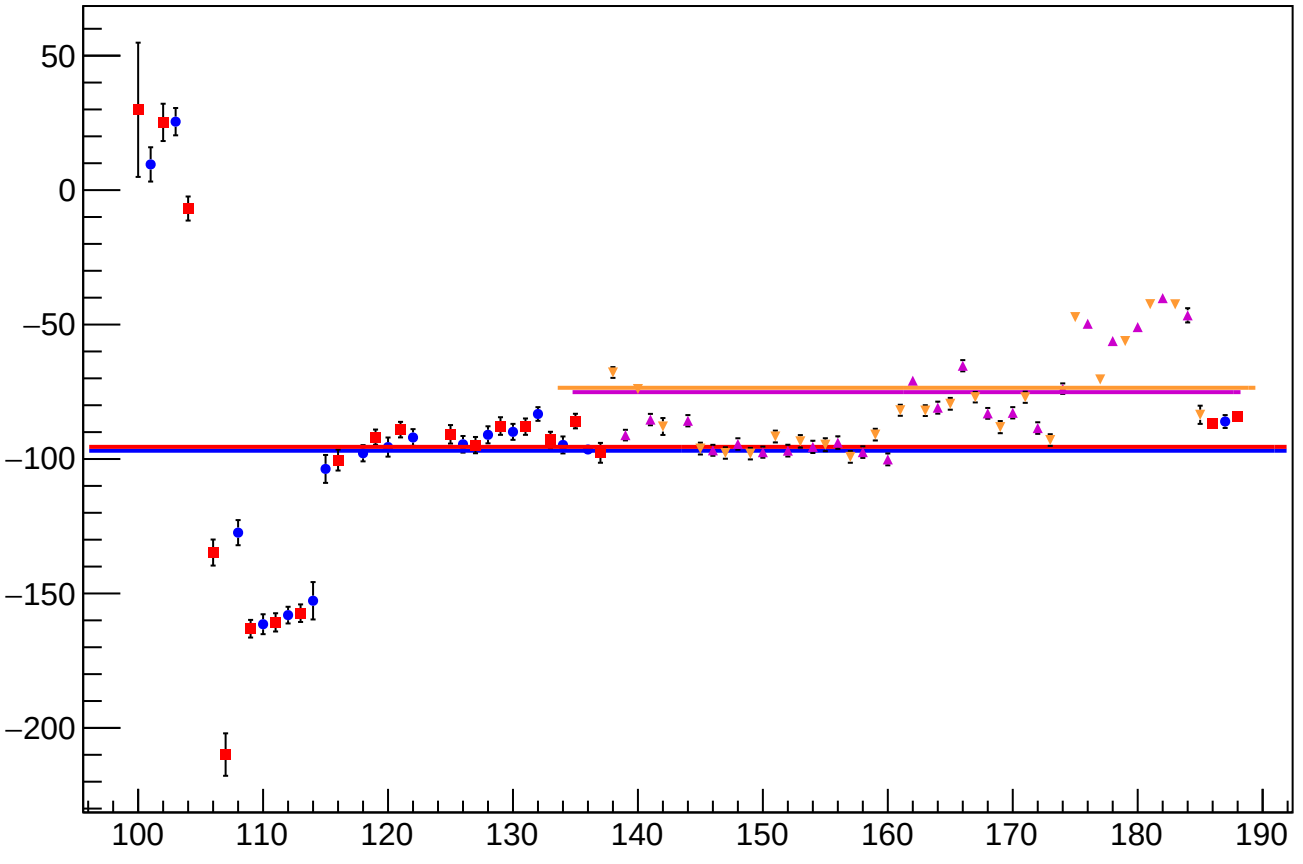
Right Out: 0.473+/-0.689 χ^2/NDF: 80.9/19

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.564+/-0.288 χ^2/NDF: 752.5/40

All: 4.269+/-0.205 χ^2/NDF: 1362.8/83

- sign 3.968+/-0.291 χ^2/NDF: 608.2/42



Right In: -96.920+/-0.770 χ^2/NDF: 1722.8/16

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

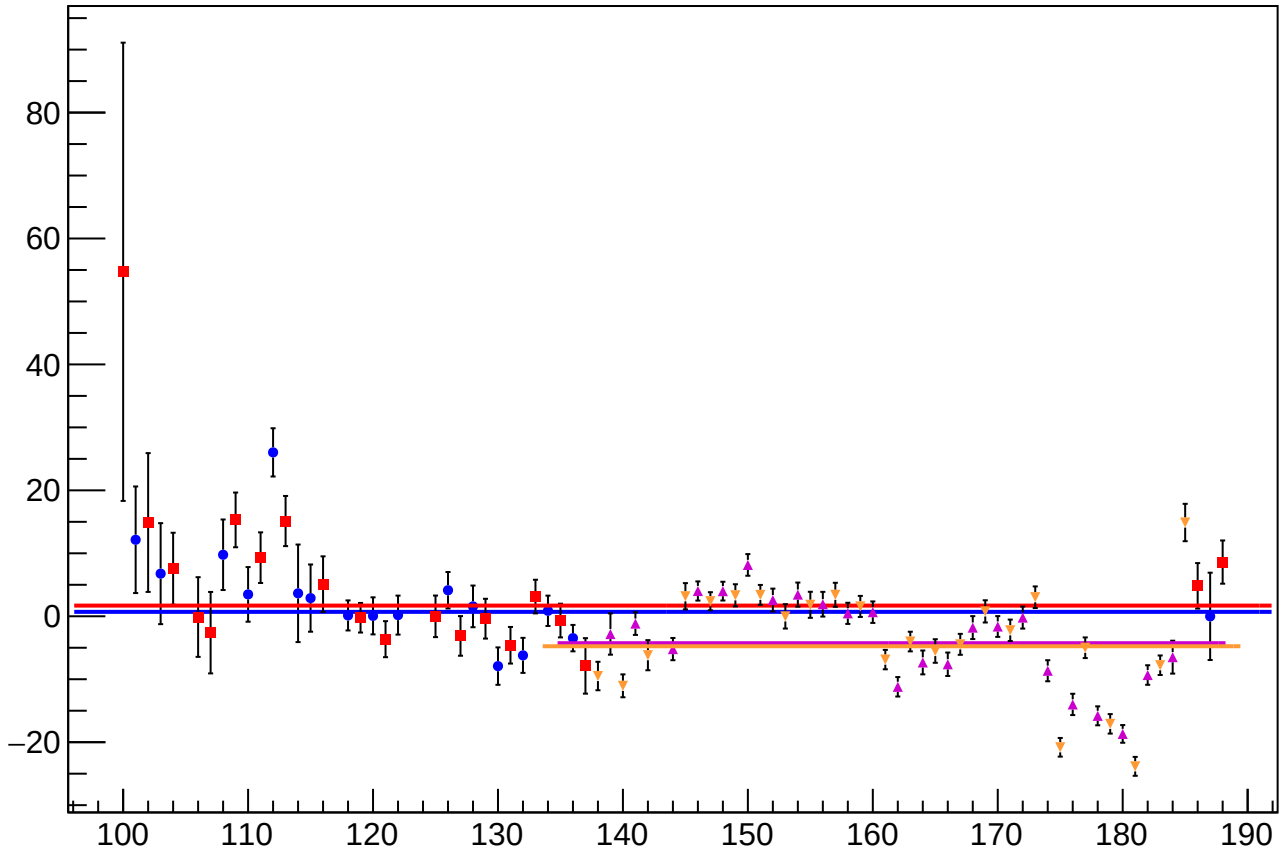
Right Out: -95.477+/-0.647 χ^2/NDF: 2287.0/19

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

+ sign -78.589+/-0.359 χ^2/NDF: 4839.3/40

All: -79.816+/-0.249 χ^2/NDF: 10216.0/83

- sign -80.961+/-0.346 χ^2/NDF: 5354.1/42



Right In: 0.701+/-0.816 χ^2/NDF: 69.6/16

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

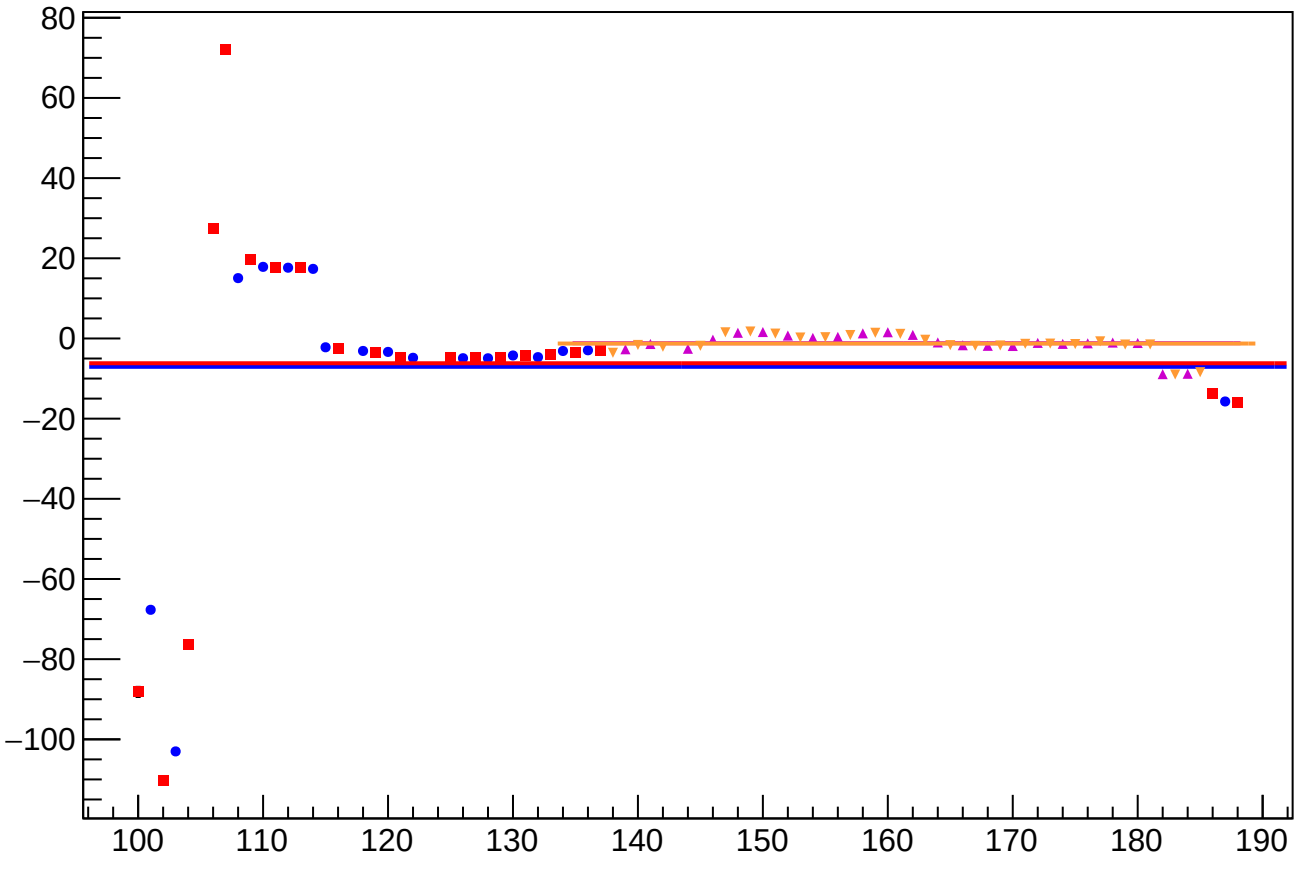
Right Out: 1.695+/-0.810 χ^2/NDF: 53.0/19

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -3.893+/-0.325 χ^2/NDF: 684.3/40

All: -3.594+/-0.232 χ^2/NDF: 1208.5/83

- sign -3.288+/-0.330 χ^2/NDF: 522.5/42



Right In: -7.068+/-0.048 χ^2/NDF: 265712.7/16

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

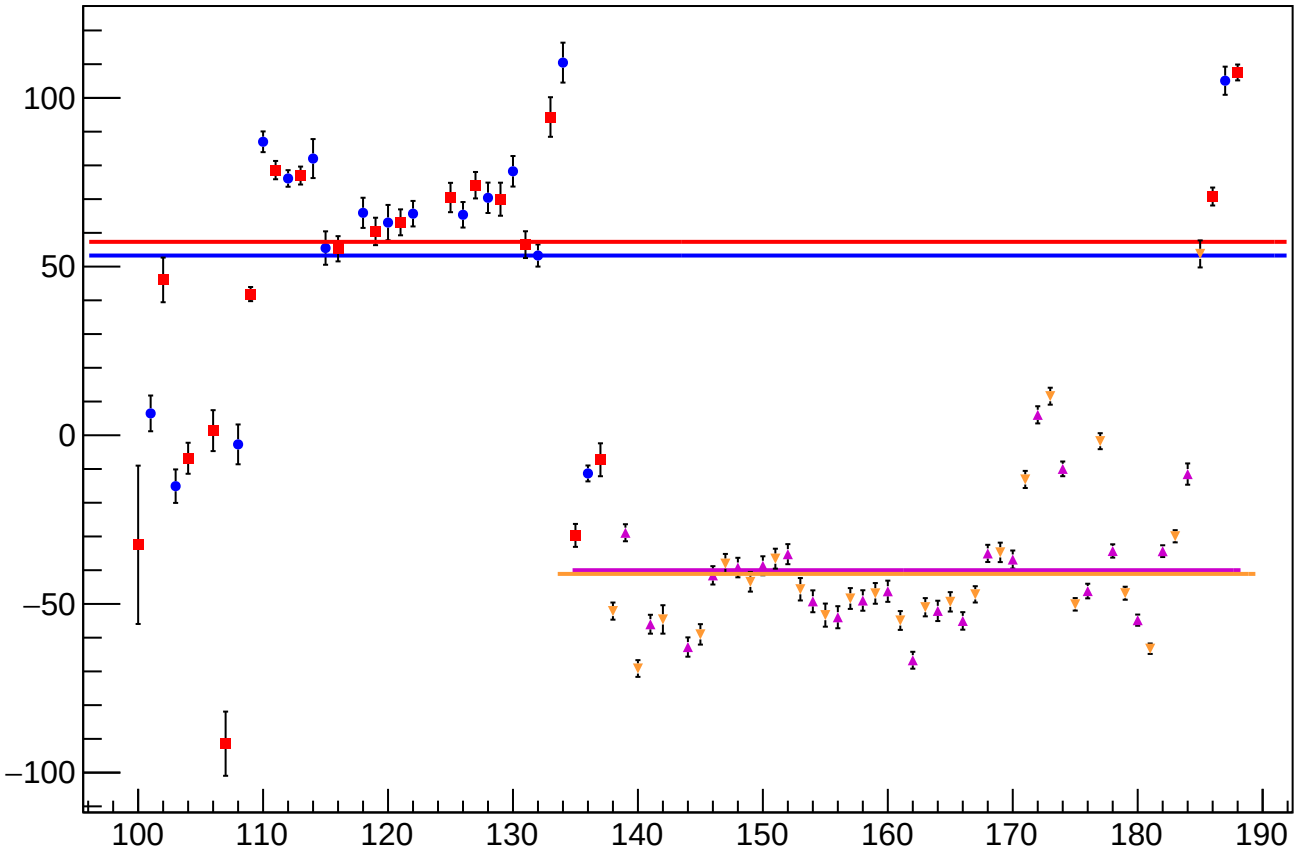
Right Out: -6.182+/-0.049 χ^2/NDF: 344505.2/19

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -1.835+/-0.015 χ^2/NDF: 303901.6/40

All: -1.746+/-0.011 χ^2/NDF: 682549.7/83

- sign -1.654+/-0.015 χ^2/NDF: 378576.5/42



Right In: 53.276+/-0.940 χ^2/NDF: 1666.1/16

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 57.336+/-0.812 χ^2/NDF: 2100.7/19

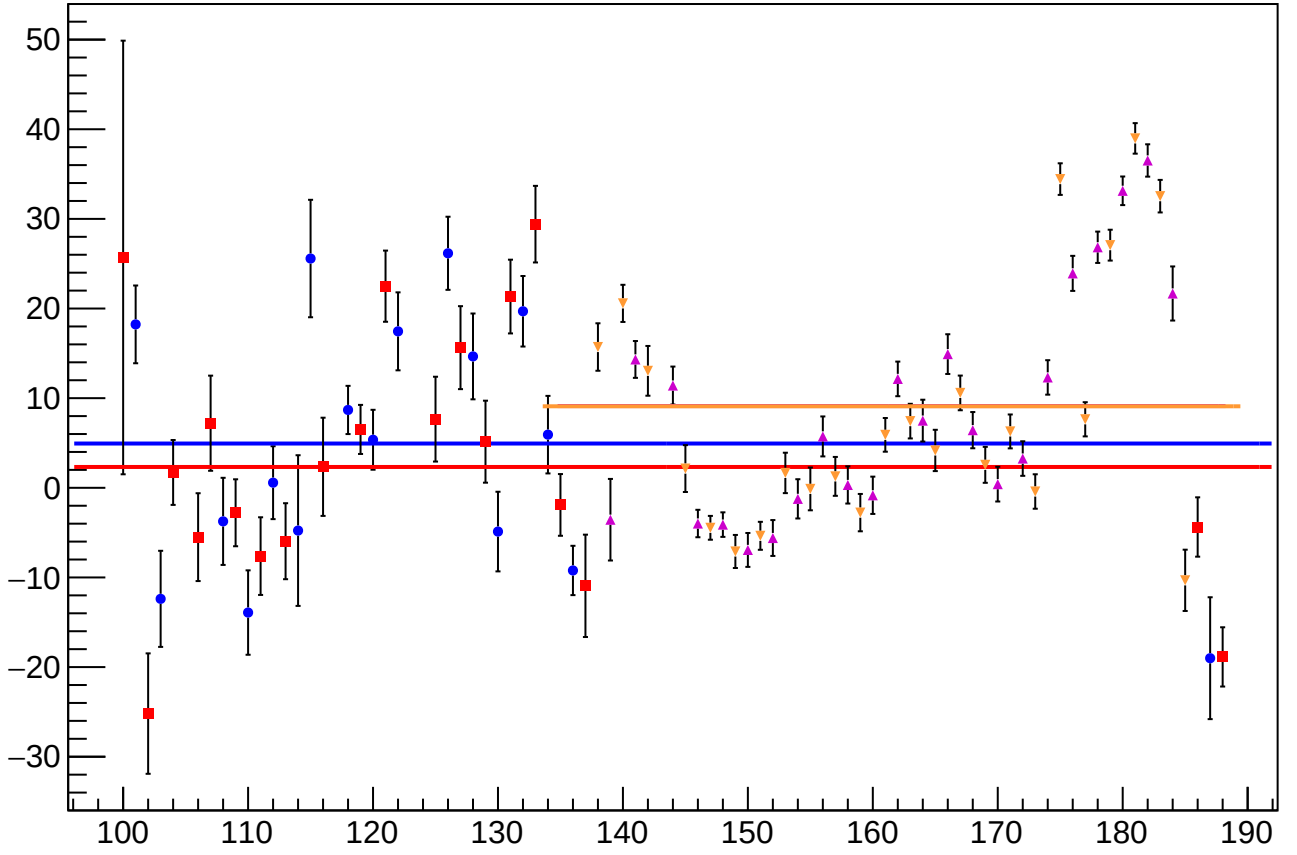
Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -19.173+/-0.453 χ^2/NDF: 11344.3/40

All: -15.146+/-0.316 χ^2/NDF: 24777.7/83

\- sign -11.344+/-0.440 χ^2/NDF: 13279.9/42

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 4.940+/-1.010 χ^2/NDF: 150.9/16

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

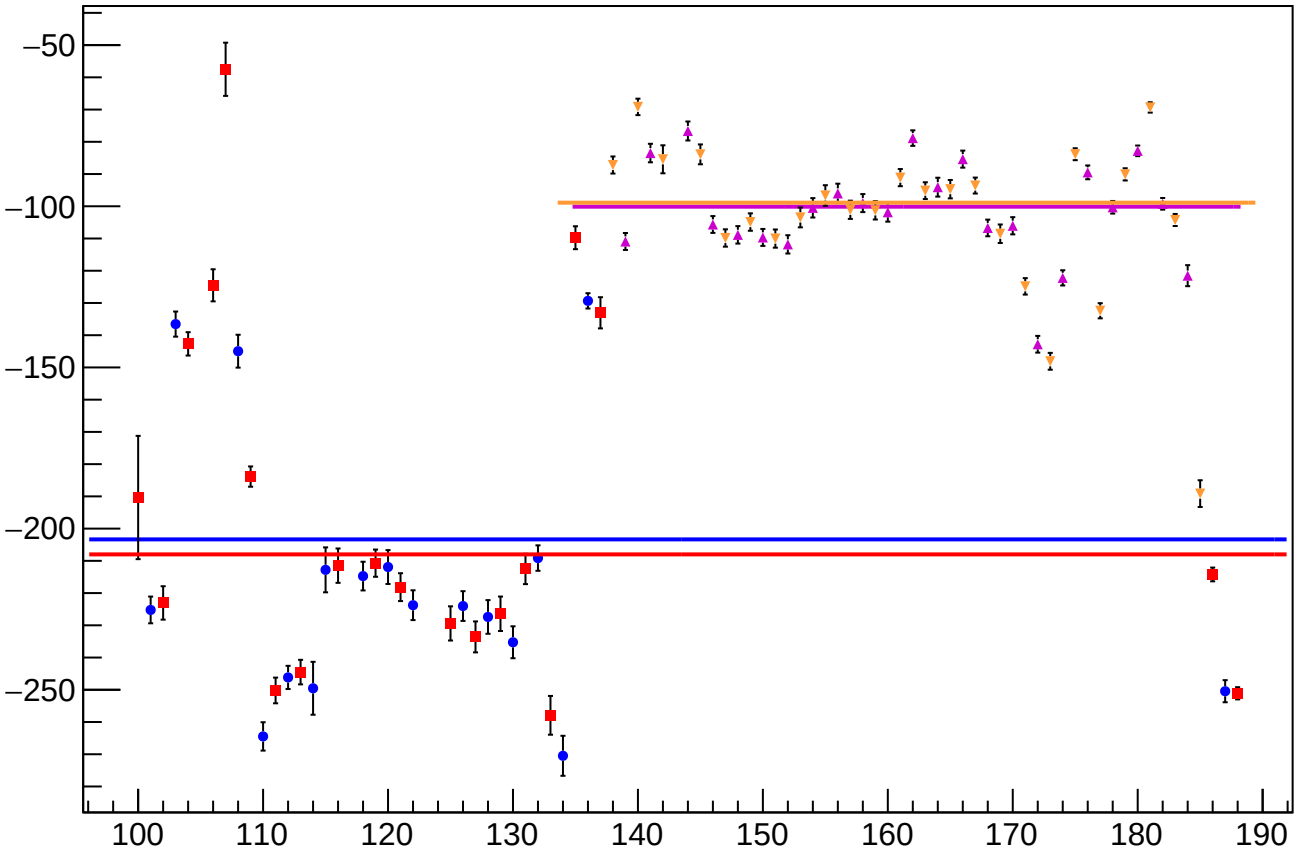
Right Out: 2.325+/-0.937 χ^2/NDF: 183.8/19

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.527+/-0.373 χ^2/NDF: 1419.2/40

All: 8.282+/-0.264 χ^2/NDF: 2699.9/83

- sign 8.034+/-0.375 χ^2/NDF: 1279.8/42



Right In: -203.346+/-1.033 χ^2/NDF: 2209.9/16

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

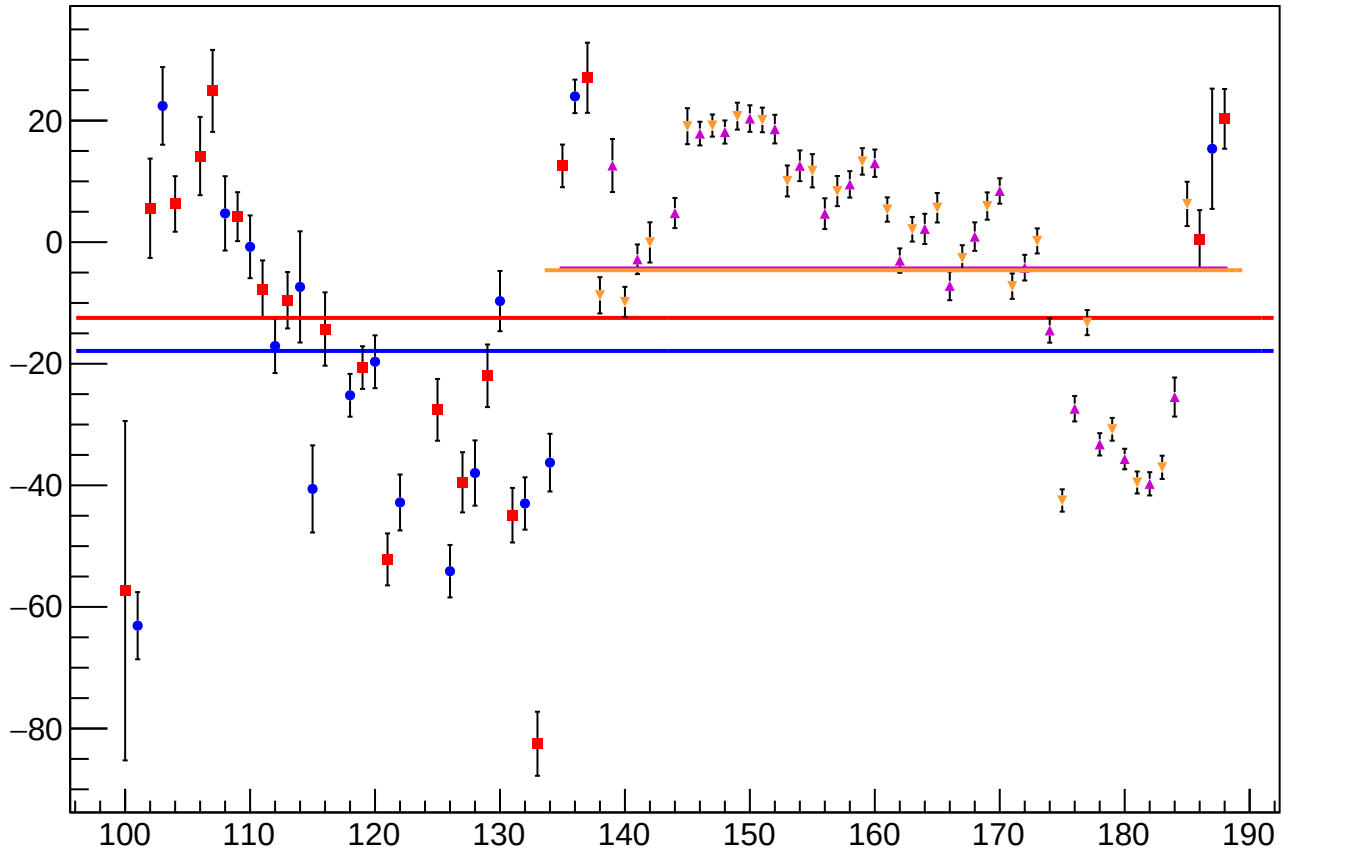
Right Out: -207.996+/-0.859 χ^2/NDF: 2872.1/19

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -119.623+/-0.460 χ^2/NDF: 12230.3/40

All: -124.503+/-0.320 χ^2/NDF: 27683.0/83

- sign -129.063+/-0.445 χ^2/NDF: 15235.2/42



Right In: -17.891+/-1.151 χ^2/NDF: 555.4/16

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

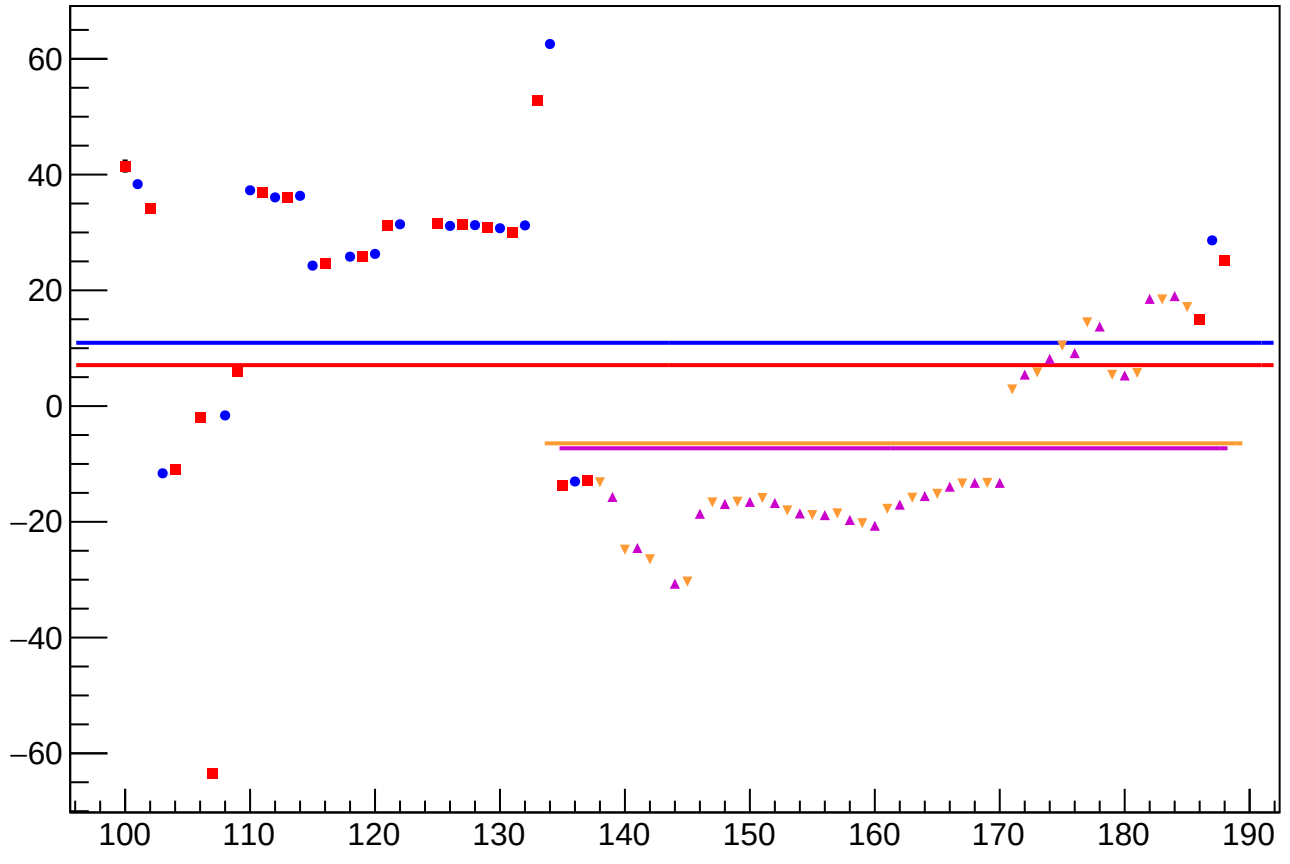
Right Out: -12.455+/-1.101 χ^2/NDF: 602.7/19

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -6.386+/-0.420 χ^2/NDF: 2748.9/40

All: -5.961+/-0.298 χ^2/NDF: 5254.2/83

- sign -5.530+/-0.424 χ^2/NDF: 2503.2/42



Right In: 10.937+/-0.062 χ^2/NDF: 165919.4/16

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

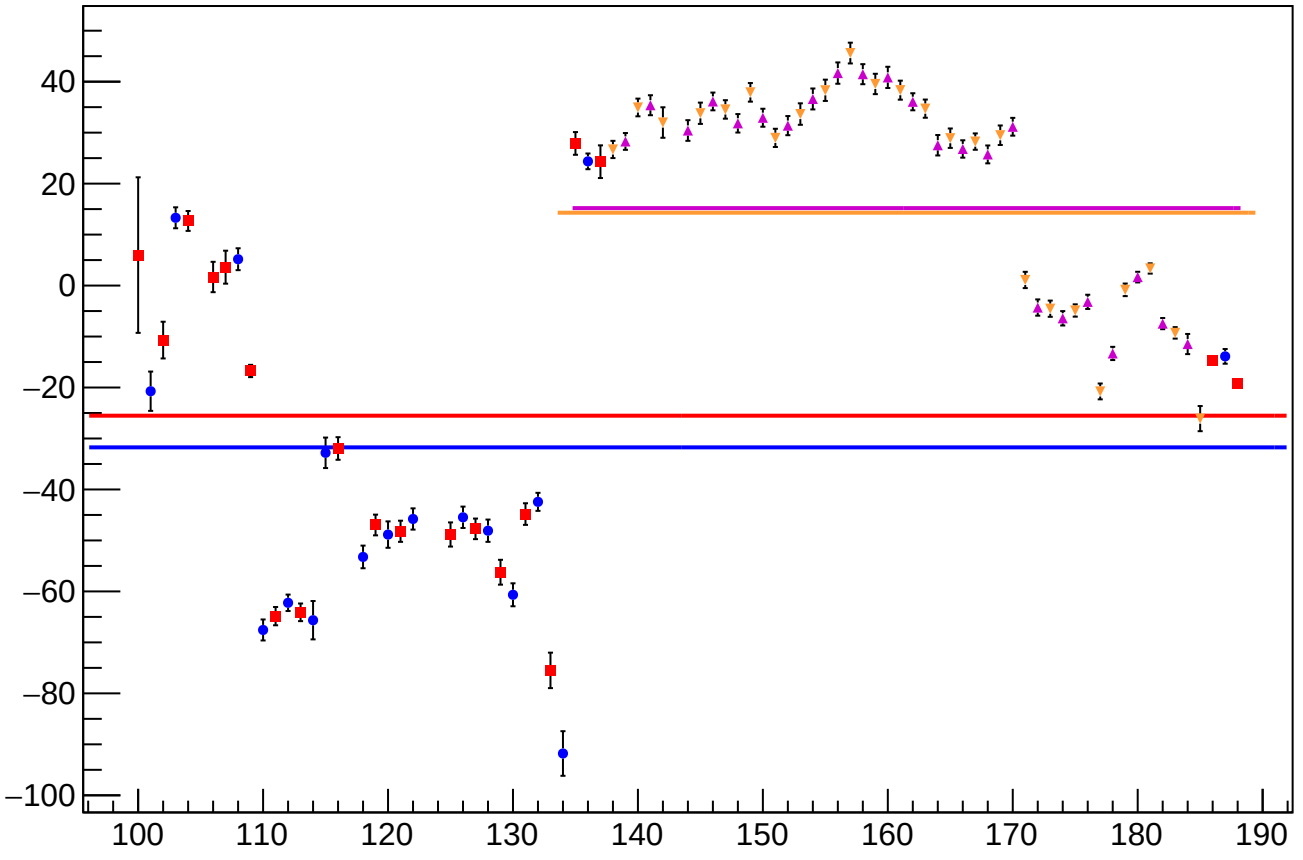
Right Out: 7.076+/-0.061 χ^2/NDF: 161453.7/19

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

\+ sign -4.794+/-0.019 χ^2/NDF: 732626.0/40

All: -5.318+/-0.014 χ^2/NDF: 1434332.3/83

\- sign -5.843+/-0.019 χ^2/NDF: 700219.8/42



Right In: -31.741+/-0.512 χ^2/NDF: 3675.5/16

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

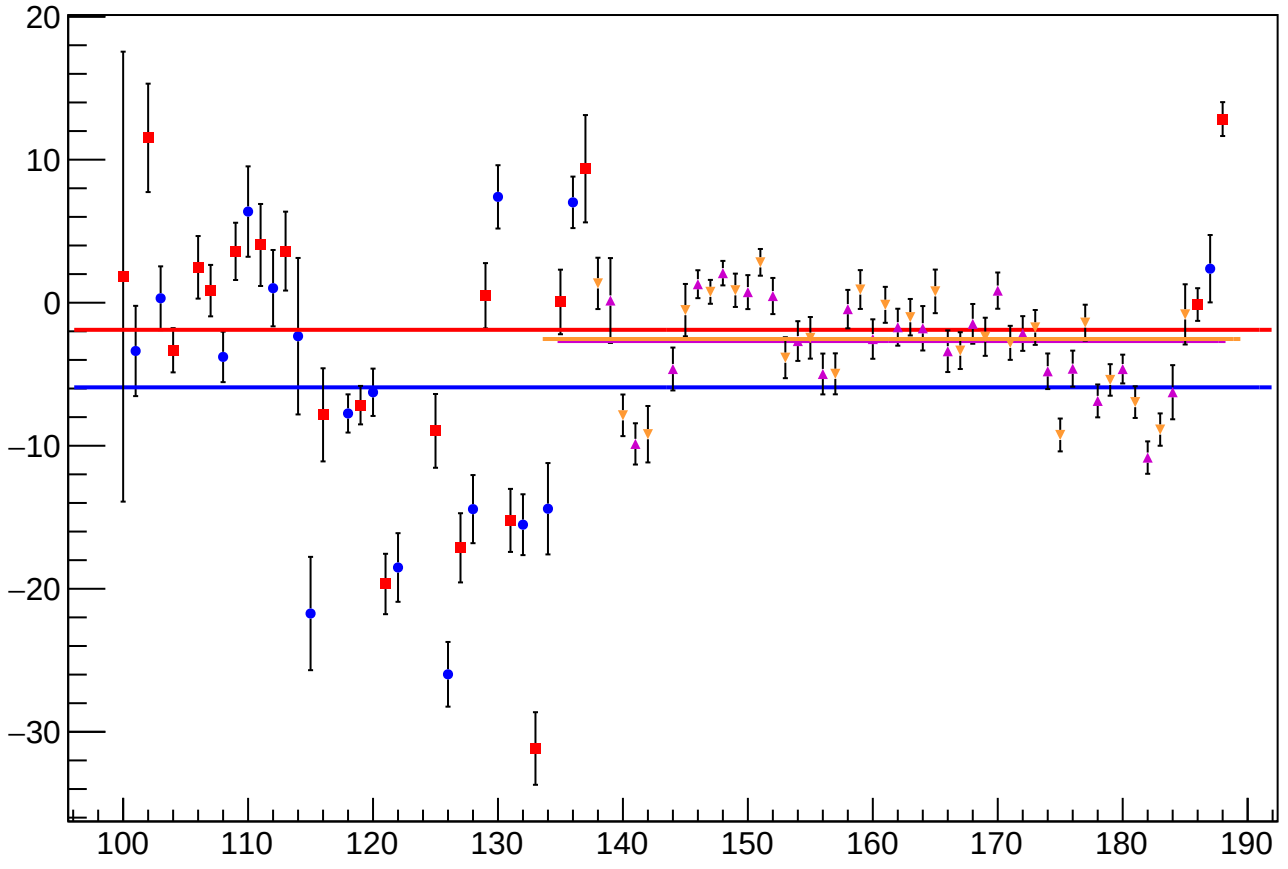
Right Out: -25.527+/-0.398 χ^2/NDF: 3510.2/19

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign 0.487+/-0.280 χ^2/NDF: 13059.3/40

All: -0.820+/-0.190 χ^2/NDF: 26069.0/83

- sign -1.930+/-0.258 χ^2/NDF: 12969.6/42



Right In: -5.917+/-0.539 χ^2/NDF: 296.7/16

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -1.896+/-0.447 χ^2/NDF: 509.8/19

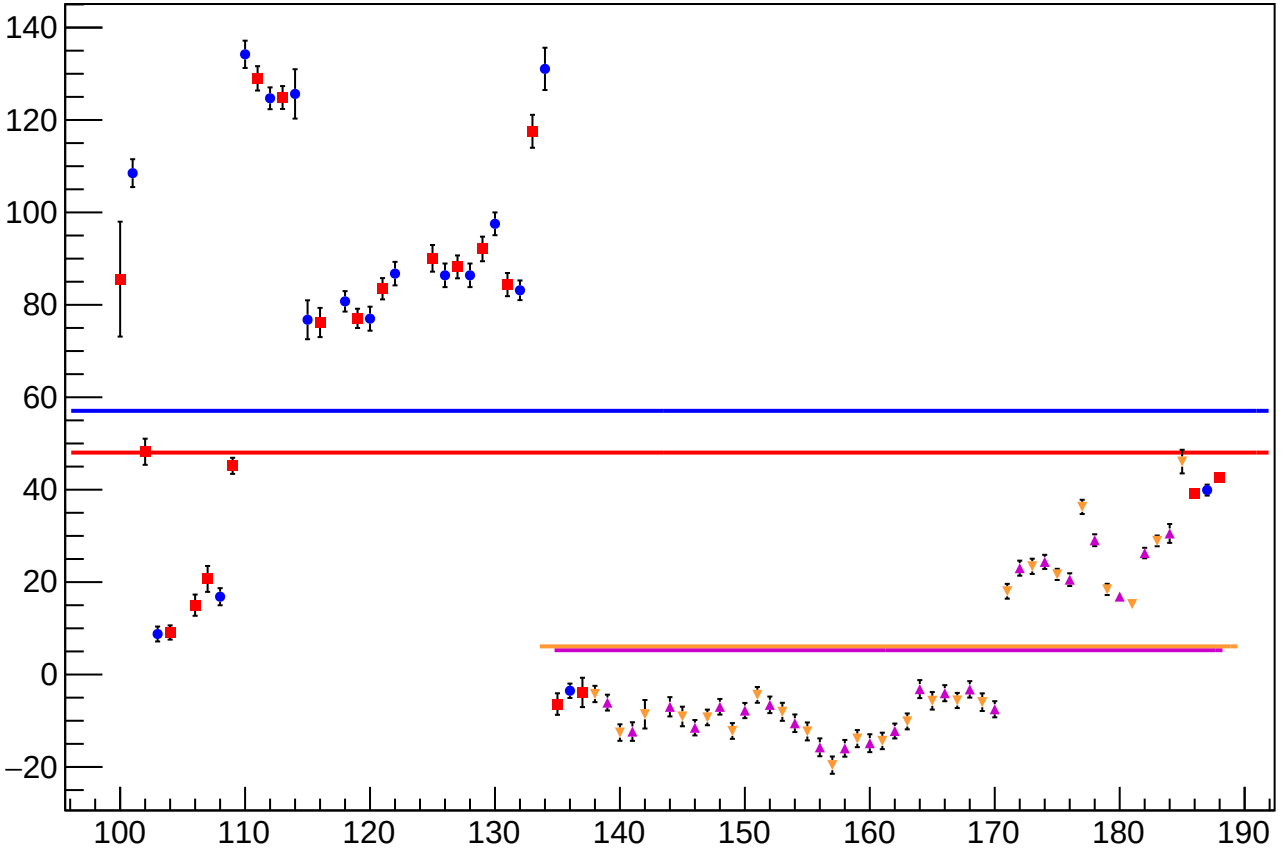
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -3.172+/-0.233 χ^2/NDF: 527.0/40

All: -2.816+/-0.163 χ^2/NDF: 1225.7/83

- sign -2.477+/-0.228 χ^2/NDF: 694.1/42

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 57.063+/-0.531 χ^2/NDF: 6329.0/16

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

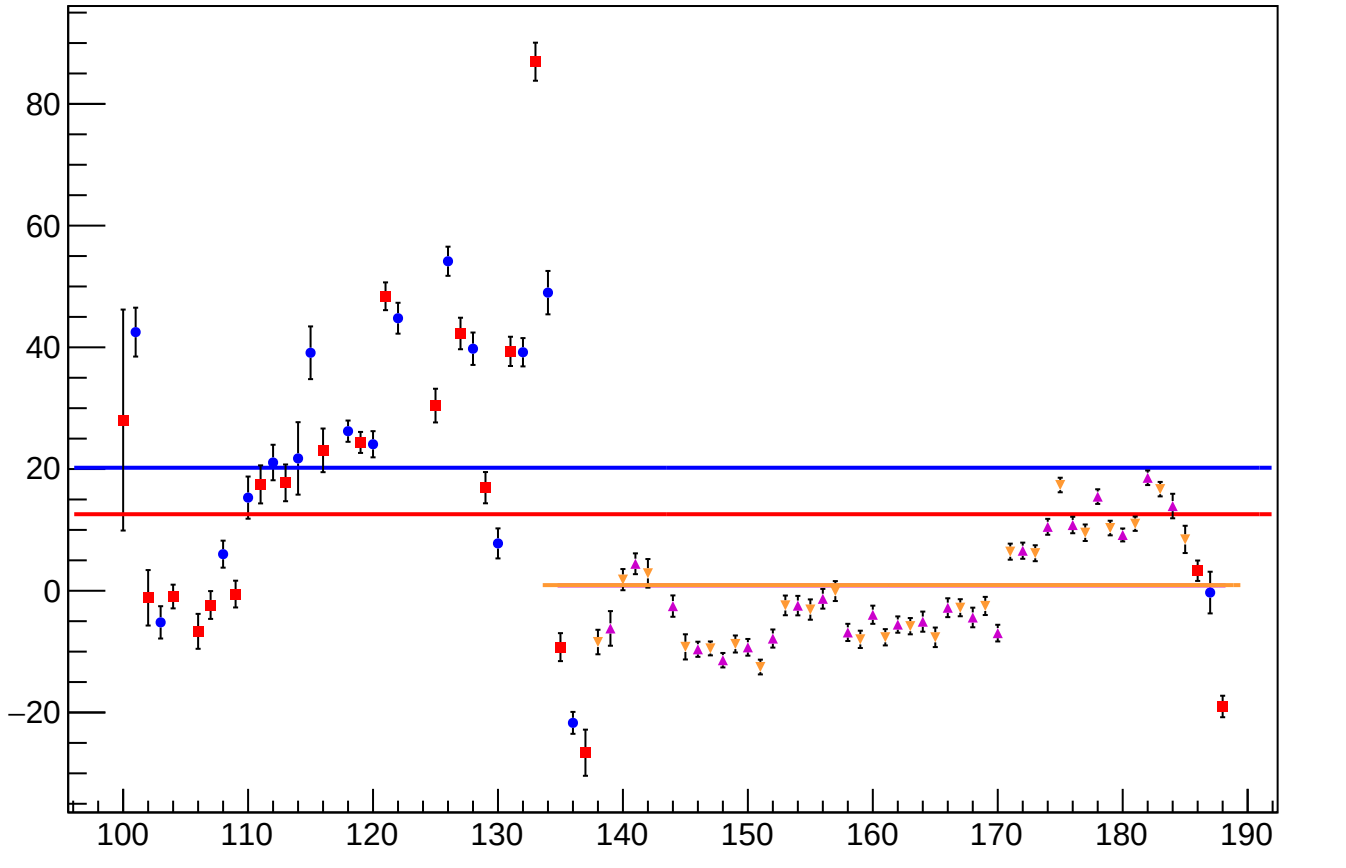
Right Out: 48.027+/-0.380 χ^2/NDF: 5721.0/19

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 20.464+/-0.282 χ^2/NDF: 15712.5/40

All: 22.457+/-0.188 χ^2/NDF: 31064.2/83

- sign 24.048+/-0.252 χ^2/NDF: 15262.0/42



Right In: 20.214+/-0.629 χ^2/NDF: 1282.5/16

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

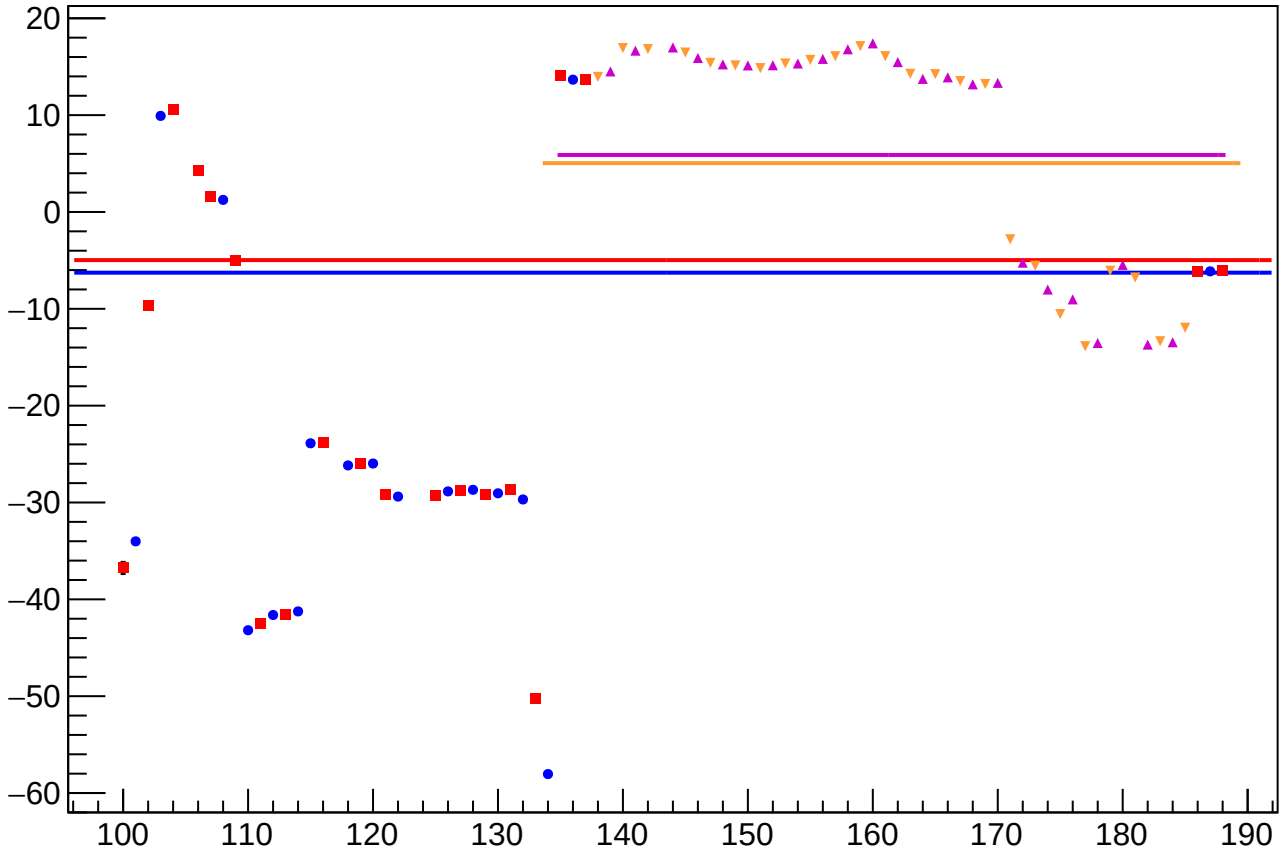
Right Out: 12.578+/-0.551 χ^2/NDF: 1901.5/19

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 4.342+/-0.265 χ^2/NDF: 3097.3/40

All: 3.924+/-0.186 χ^2/NDF: 6359.0/83

- sign 3.516+/-0.262 χ^2/NDF: 3256.8/42



Right In: -6.267+/-0.033 χ^2/NDF: 410461.5/16

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

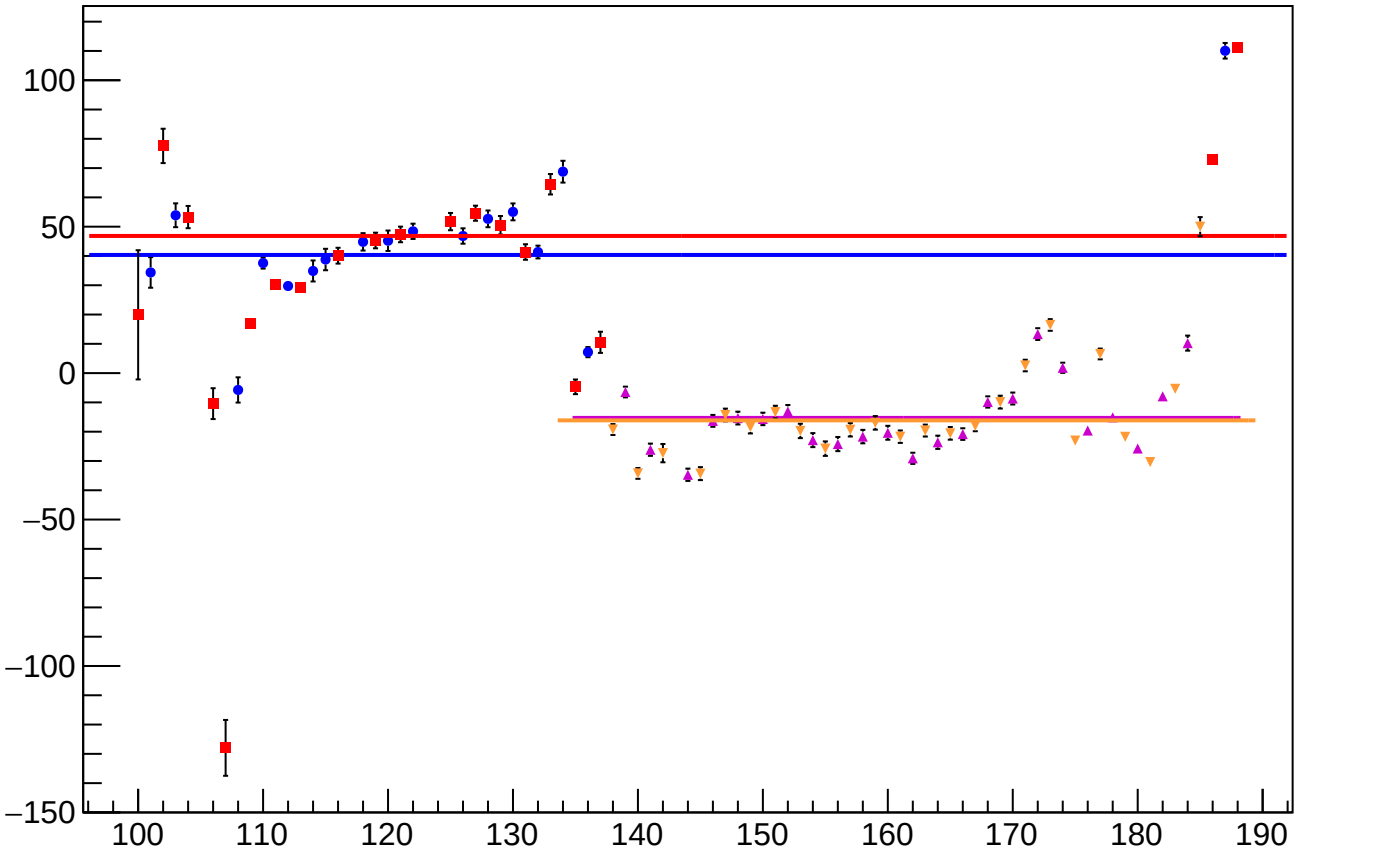
Right Out: -4.971+/-0.030 χ^2/NDF: 306970.9/19

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 3.503+/-0.012 χ^2/NDF: 1368067.8/40

All: 3.846+/-0.009 χ^2/NDF: 2629867.7/83

- sign 4.185+/-0.012 χ^2/NDF: 1260214.1/42



Right In: 40.346+/-0.637 χ^2/NDF: 1348.4/16

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

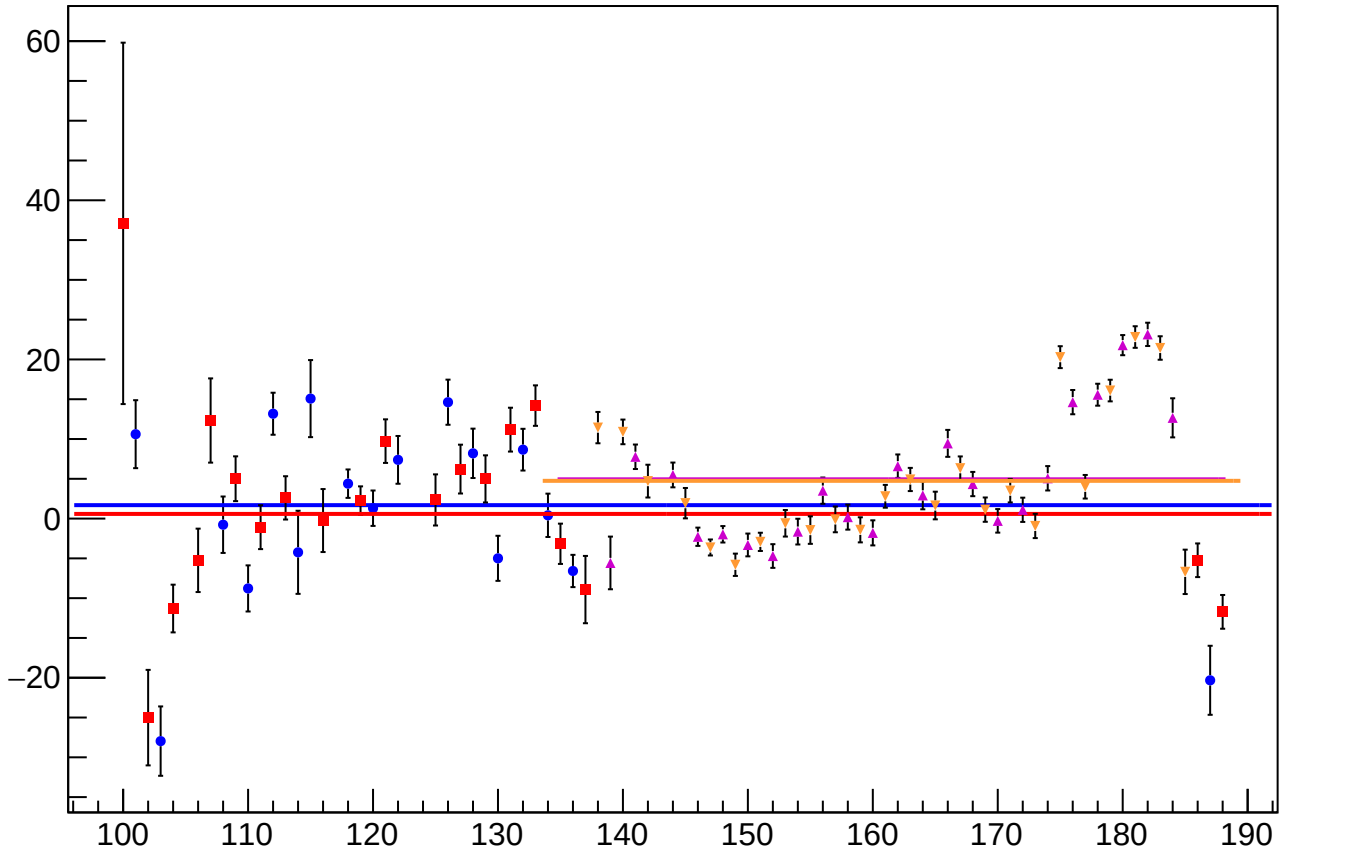
Right Out: 46.835+/-0.551 χ^2/NDF: 3693.3/19

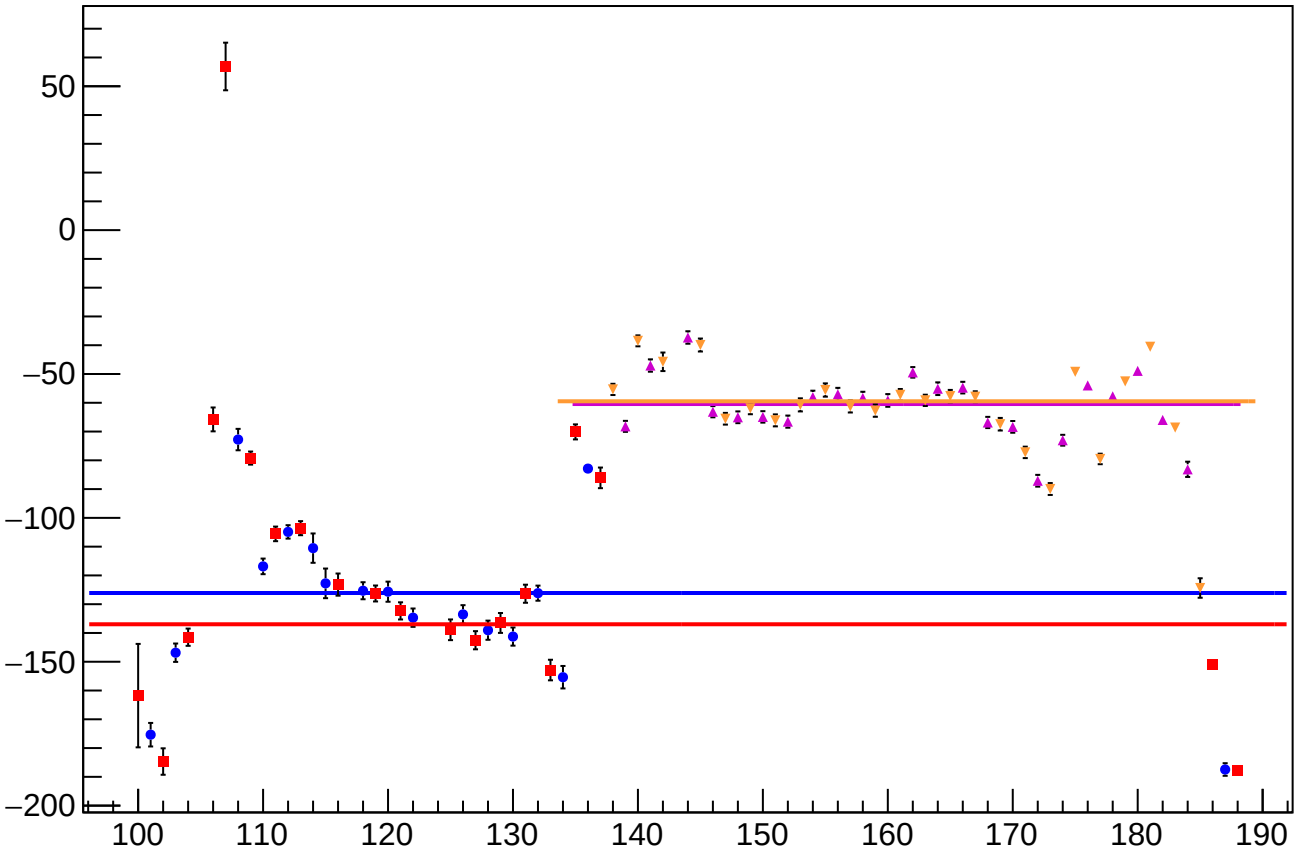
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign -0.294+/-0.338 χ^2/NDF: 8363.2/40

All: 3.157+/-0.234 χ^2/NDF: 21295.9/83

- sign 6.364+/-0.325 χ^2/NDF: 12731.1/42


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
190
Right In: 1.689+/-0.692 χ²/NDF: 178.4/16
Left Out: 4.745+/-0.307 χ²/NDF:793.8/23
Right Out: 0.586+/-0.645 χ²/NDF: 156.8/19
Left In: 4.935+/-0.313 χ²/NDF:688.4/22
+ sign 4.244+/-0.280 χ²/NDF: 988.5/40
All: 4.176+/-0.199 χ²/NDF: 1870.5/83
- sign 4.107+/-0.282 χ²/NDF: 881.9/42



Right In: -126.108+/-0.715 χ^2/NDF: 1998.2/16

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

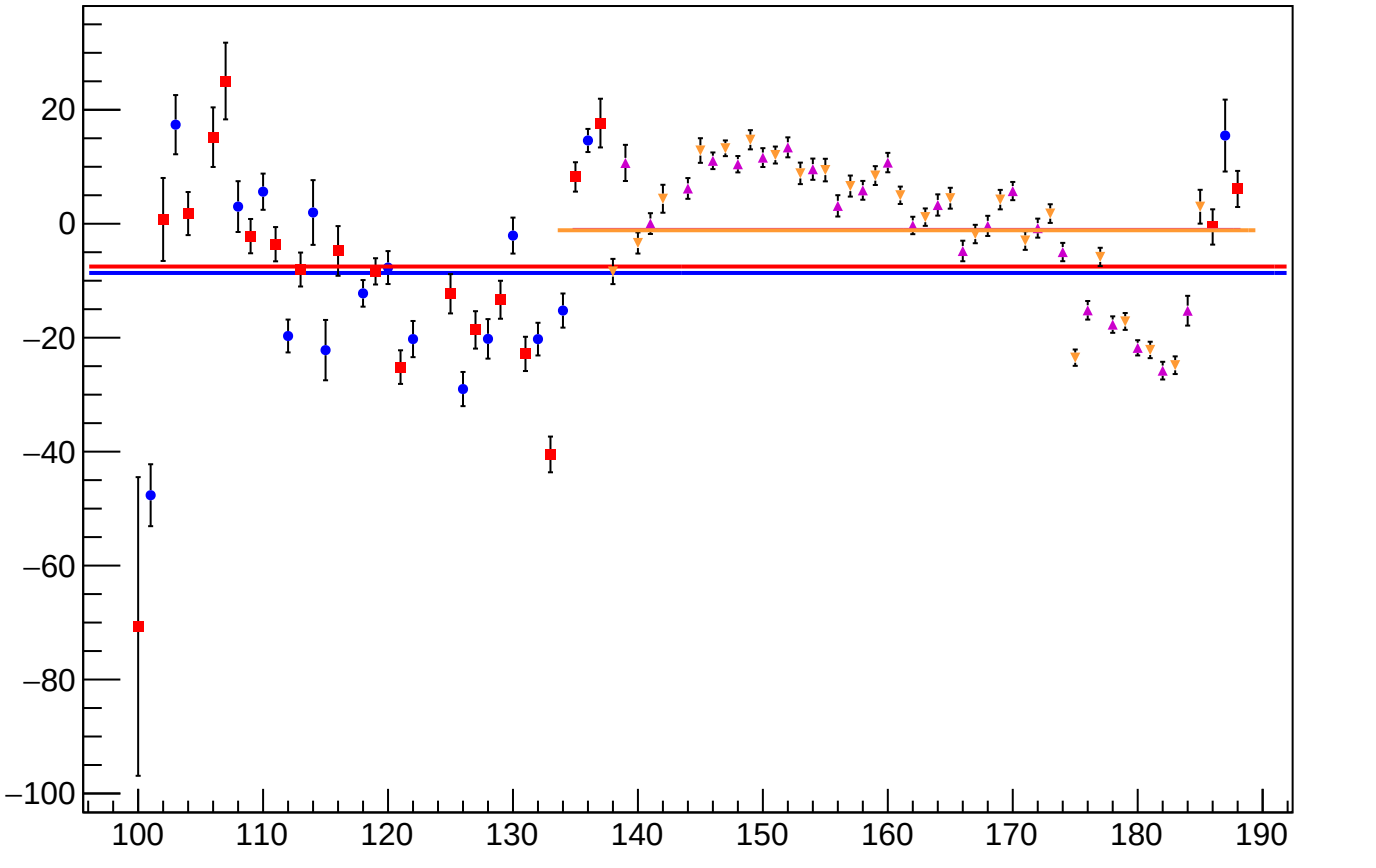
Right Out: -136.975+/-0.584 χ^2/NDF: 4701.1/19

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -75.045+/-0.346 χ^2/NDF: 10019.8/40

All: -80.171+/-0.239 χ^2/NDF: 27509.0/83

\- sign -84.833+/-0.330 χ^2/NDF: 17069.5/42



Right In: -8.638+/-0.789 χ^2/NDF: 372.8/16

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

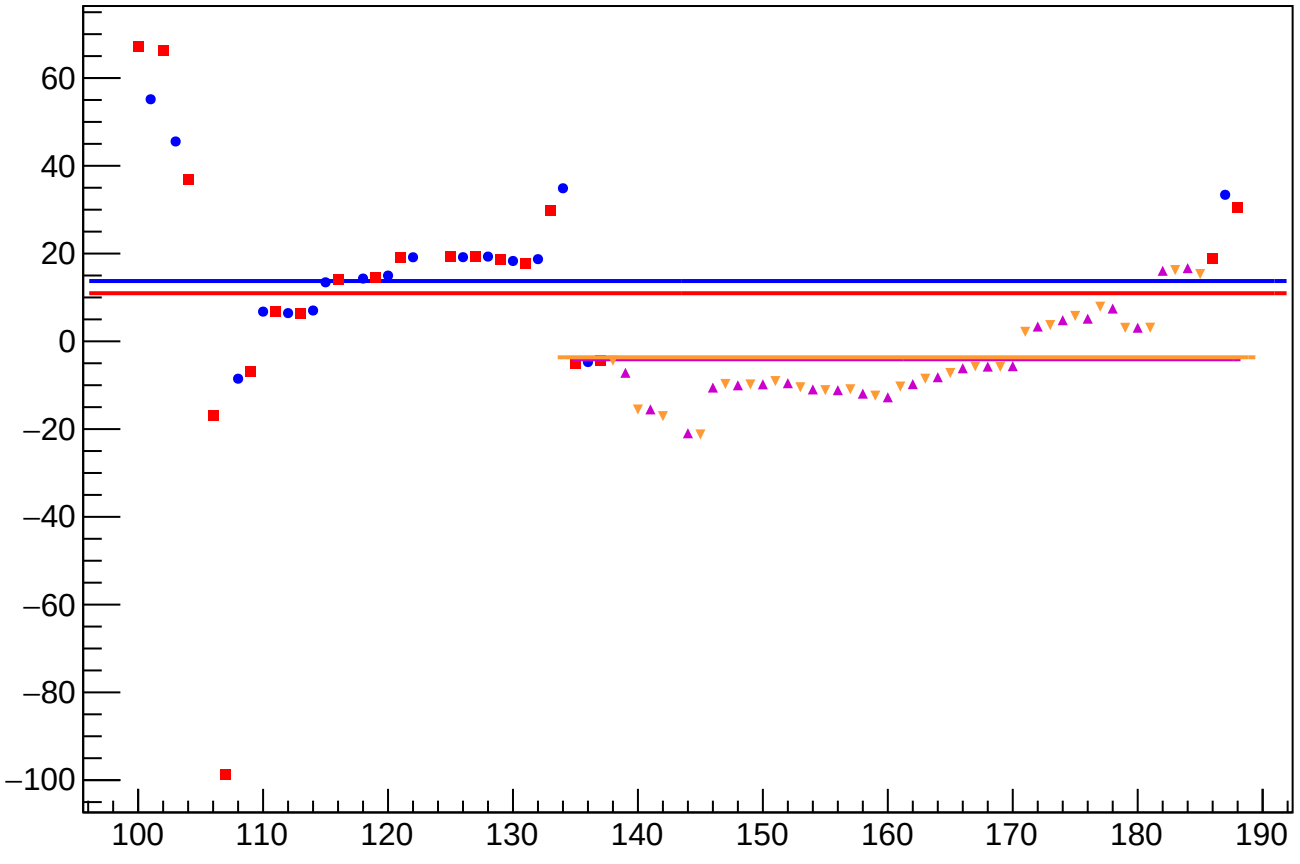
Right Out: -7.512+/-0.761 χ^2/NDF: 345.1/19

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.349+/-0.317 χ^2/NDF: 1751.4/40

All: -2.282+/-0.225 χ^2/NDF: 3312.8/83

- sign -2.214+/-0.319 χ^2/NDF: 1561.3/42



Right In: 13.740+/-0.045 χ^2/NDF: 186901.1/16

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

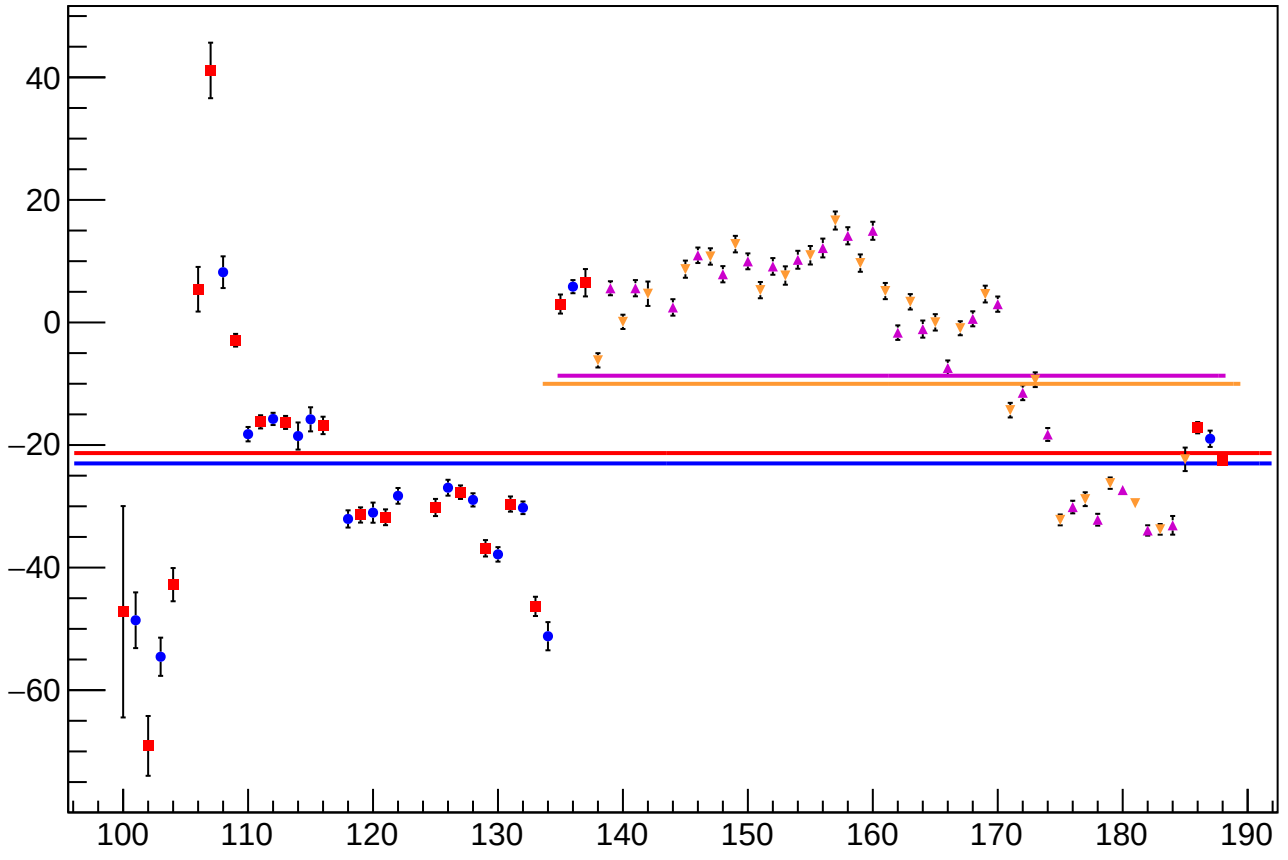
Right Out: 10.962+/-0.045 χ^2/NDF: 308544.4/19

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

\+ sign -1.799+/-0.015 χ^2/NDF: 666661.5/40

All: -2.129+/-0.010 χ^2/NDF: 1411262.9/83

\- sign -2.461+/-0.015 χ^2/NDF: 743581.5/42



Right In: -23.003+/-0.339 χ^2/NDF: 1577.6/16

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

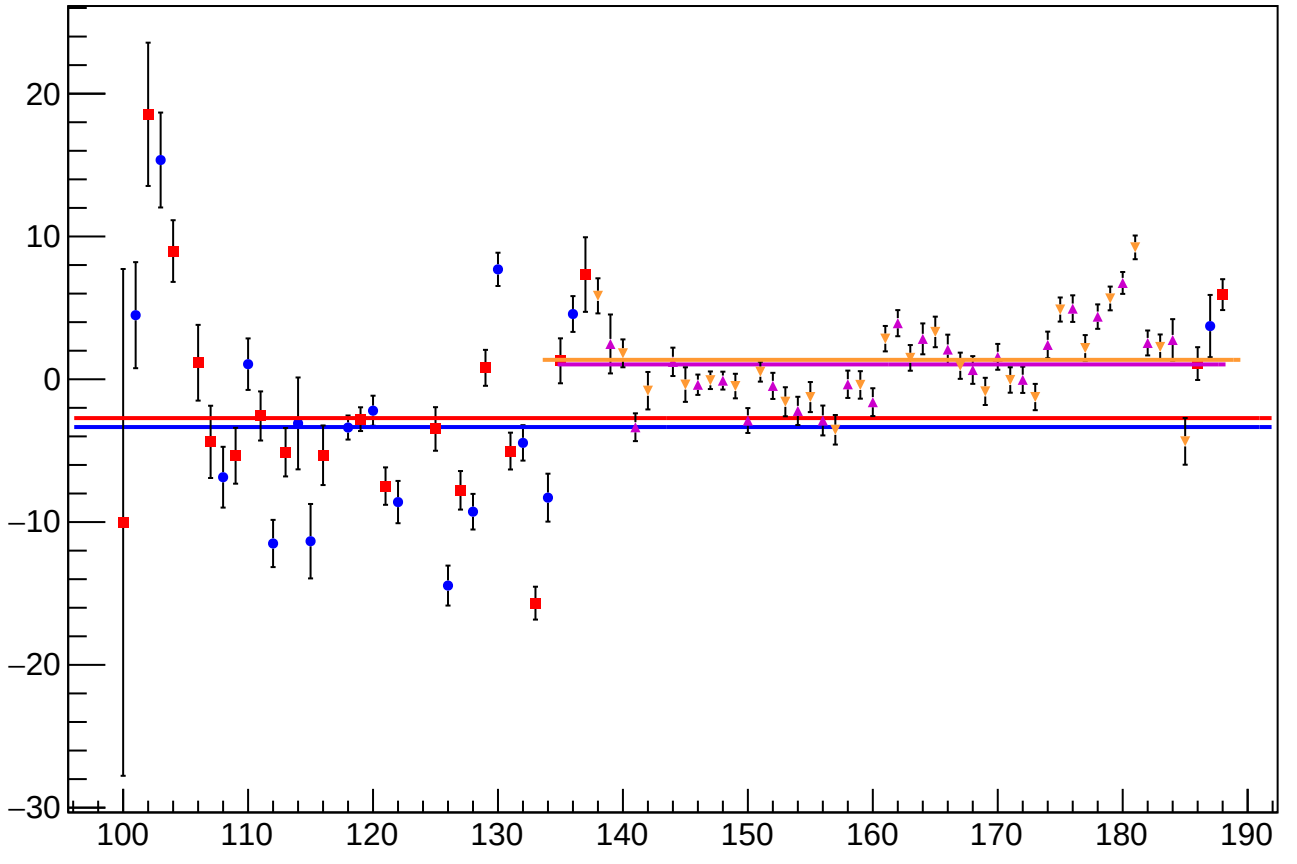
Right Out: -21.314+/-0.299 χ^2/NDF: 1837.2/19

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -14.456+/-0.198 χ^2/NDF: 7521.9/40

All: -14.124+/-0.137 χ^2/NDF: 15441.6/83

- sign -13.817+/-0.191 χ^2/NDF: 7914.3/42



Right In: -3.346+/-0.358 χ^2/NDF: 327.6/16

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

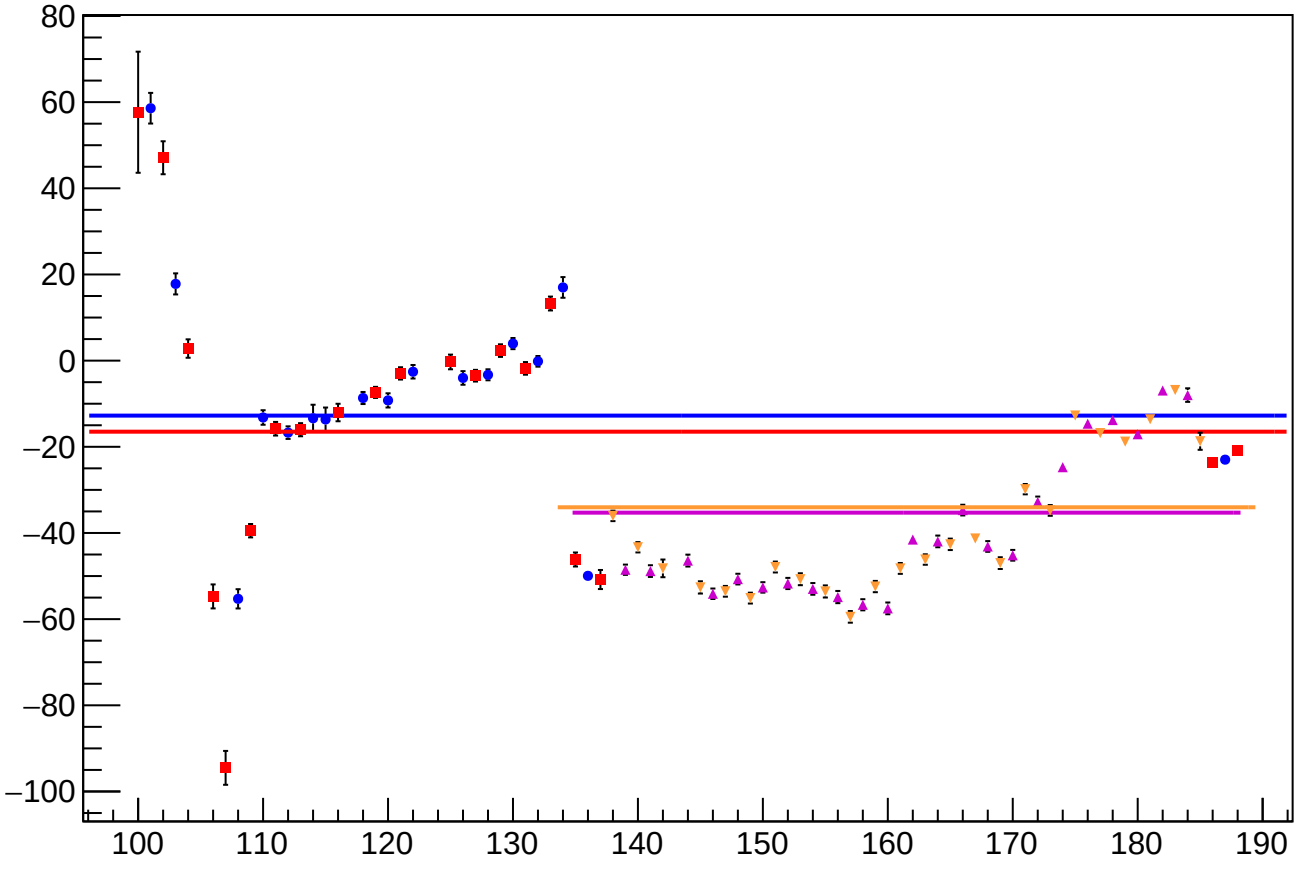
Right Out: -2.718+/-0.335 χ^2/NDF: 317.0/19

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.340+/-0.167 χ^2/NDF: 703.5/40

All: 0.225+/-0.118 χ^2/NDF: 1312.0/83

- sign 0.110+/-0.167 χ^2/NDF: 607.6/42



Right In: -12.759+/-0.380 χ^2/NDF: 2760.8/16

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.491+/-0.312 χ^2/NDF: 2840.8/19

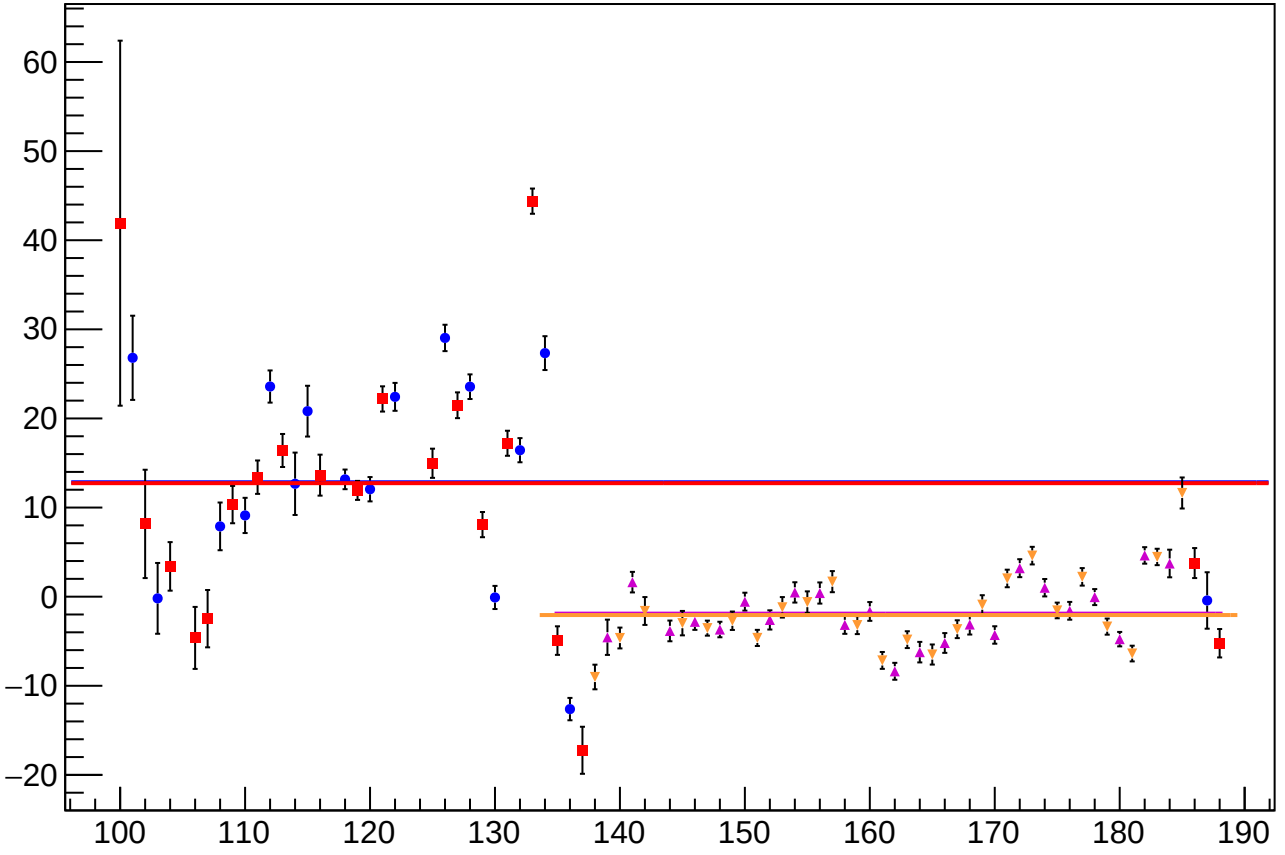
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -27.886+/-0.205 χ^2/NDF: 9951.0/40

All: -27.999+/-0.140 χ^2/NDF: 20032.5/83

- sign -28.099+/-0.193 χ^2/NDF: 10081.0/42

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 12.839+/-0.411 χ^2/NDF: 881.2/16

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

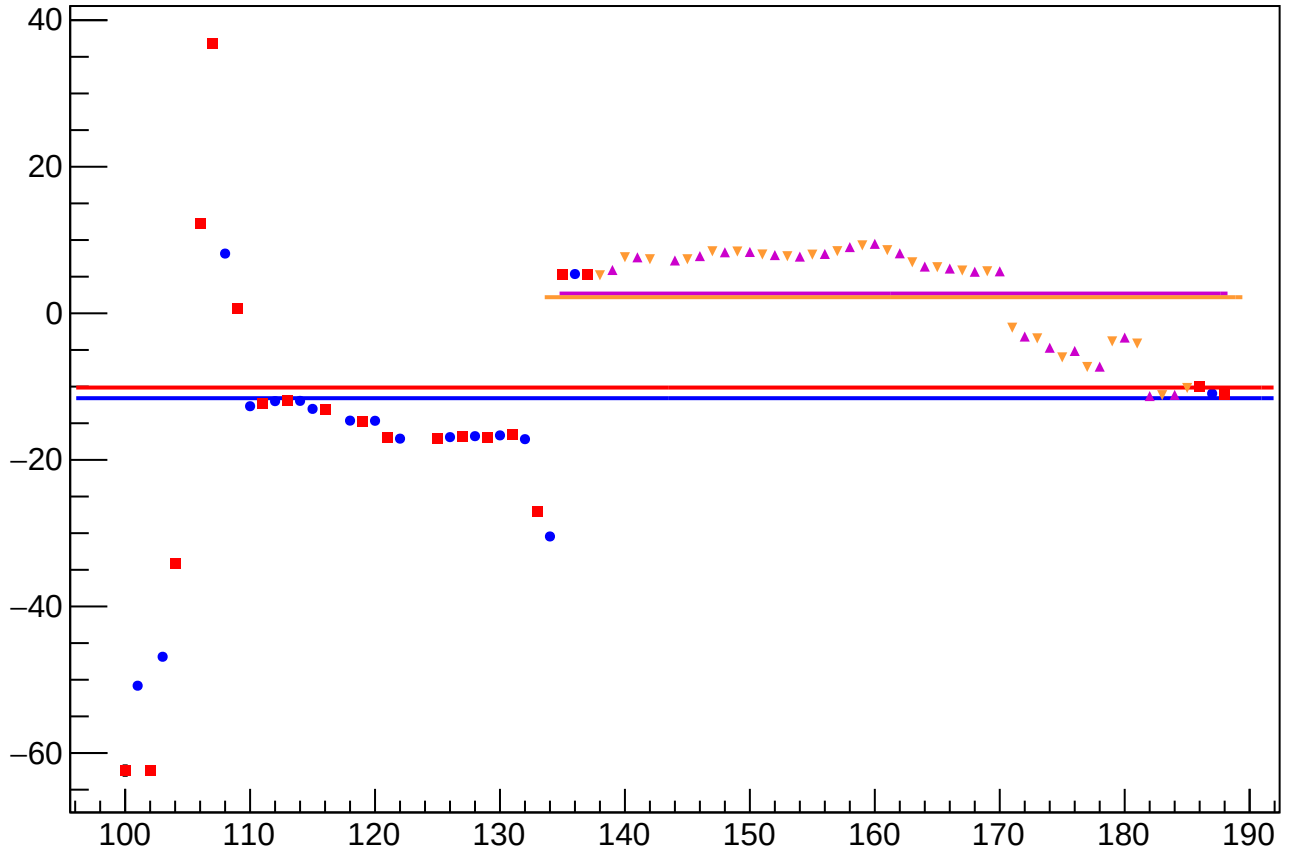
Right Out: 12.738+/-0.397 χ^2/NDF: 1077.0/19

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

+ sign 1.073+/-0.189 χ^2/NDF: 2250.4/40

All: 1.258+/-0.134 χ^2/NDF: 4601.1/83

- sign 1.445+/-0.190 χ^2/NDF: 2348.8/42



Right In: -11.581+/-0.026 χ^2/NDF: 360537.0/16

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -10.129+/-0.025 χ^2/NDF: 396463.4/19

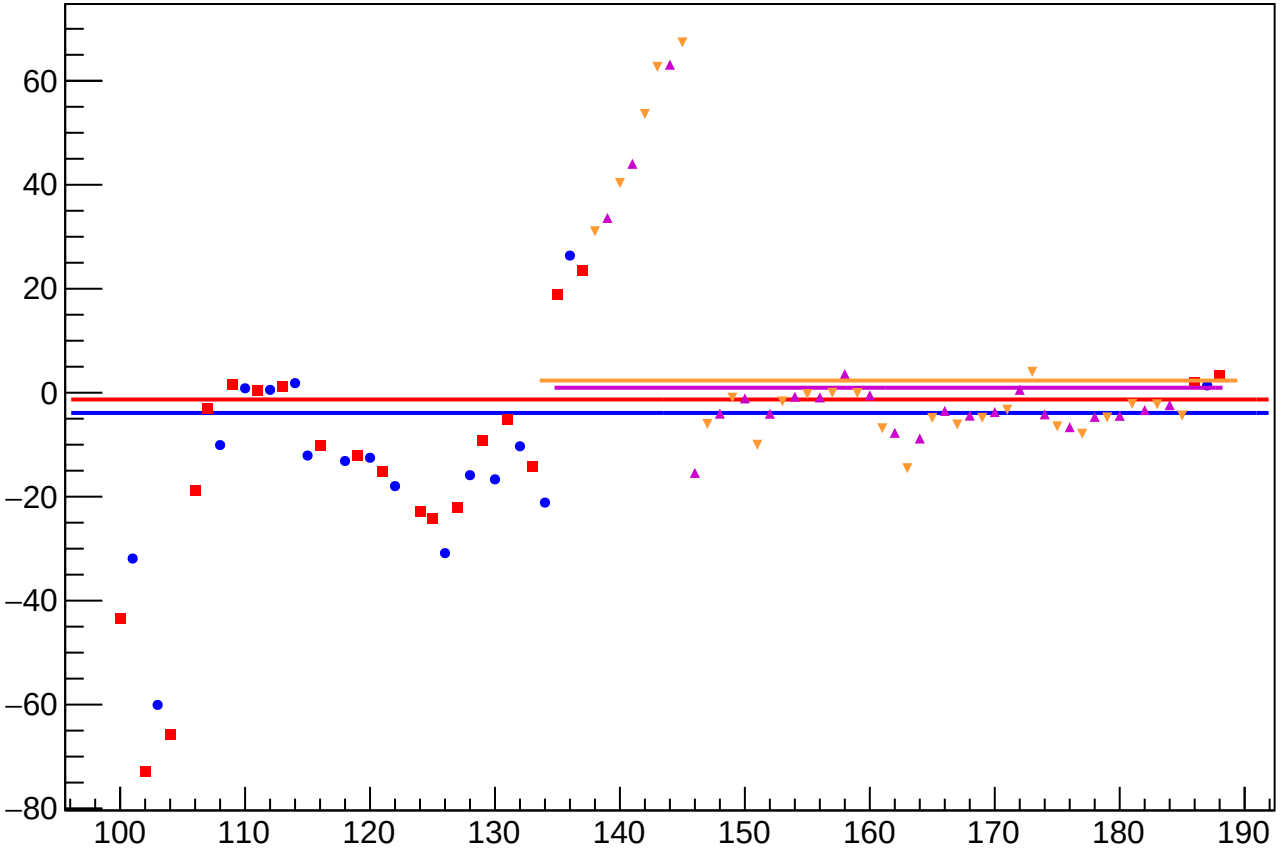
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign 0.578+/-0.009 χ^2/NDF: 1116648.5/40

All: 0.832+/-0.006 χ^2/NDF: 2239393.2/83

\- sign 1.087+/-0.009 χ^2/NDF: 1121118.5/42

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -3.894+/-0.053 χ^2/NDF: 75728.2/16

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -1.308+/-0.041 χ^2/NDF: 83506.1/20

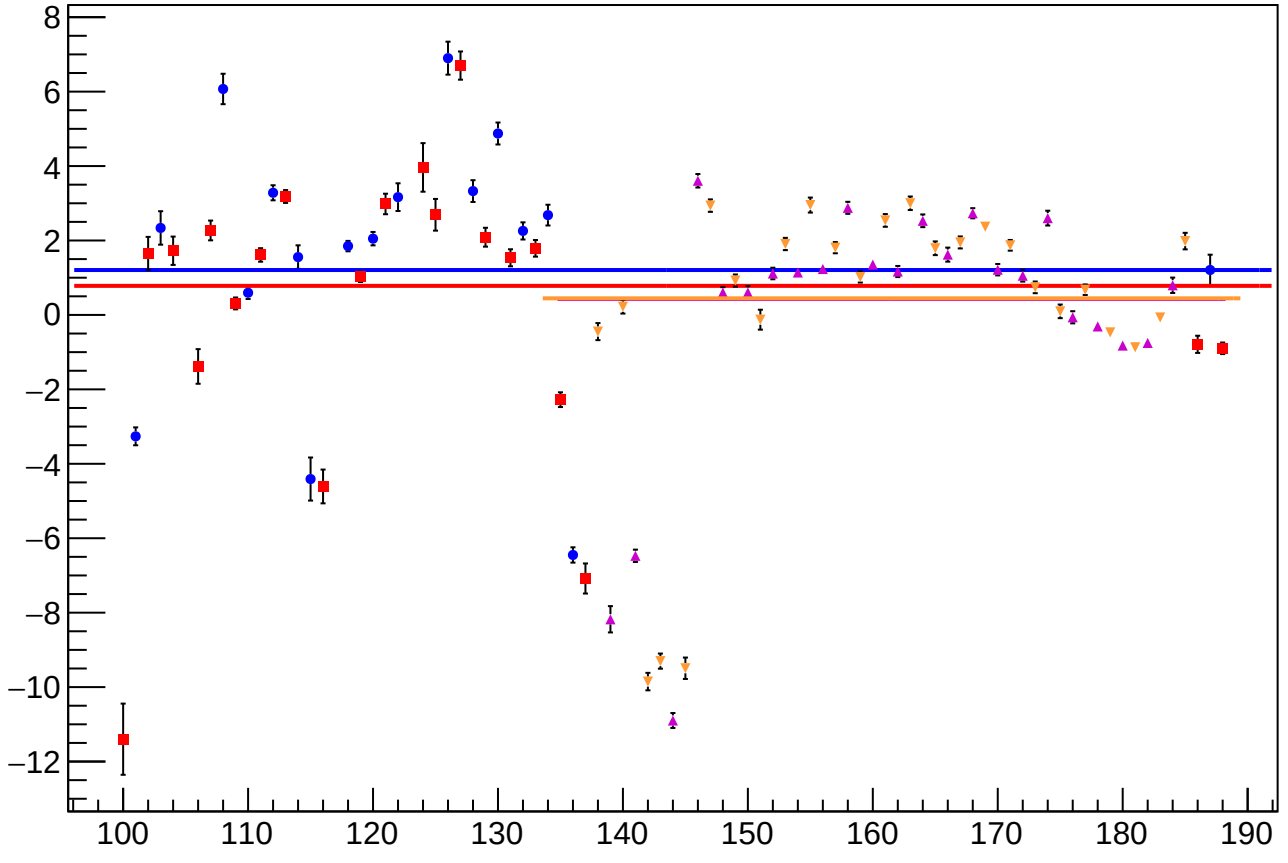
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 0.083+/-0.032 χ^2/NDF: 261400.8/41

All: -0.040+/-0.021 χ^2/NDF: 479008.4/85

- sign -0.138+/-0.029 χ^2/NDF: 217581.5/43

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/16

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.781+/-0.052 χ^2/NDF: 1782.7/20

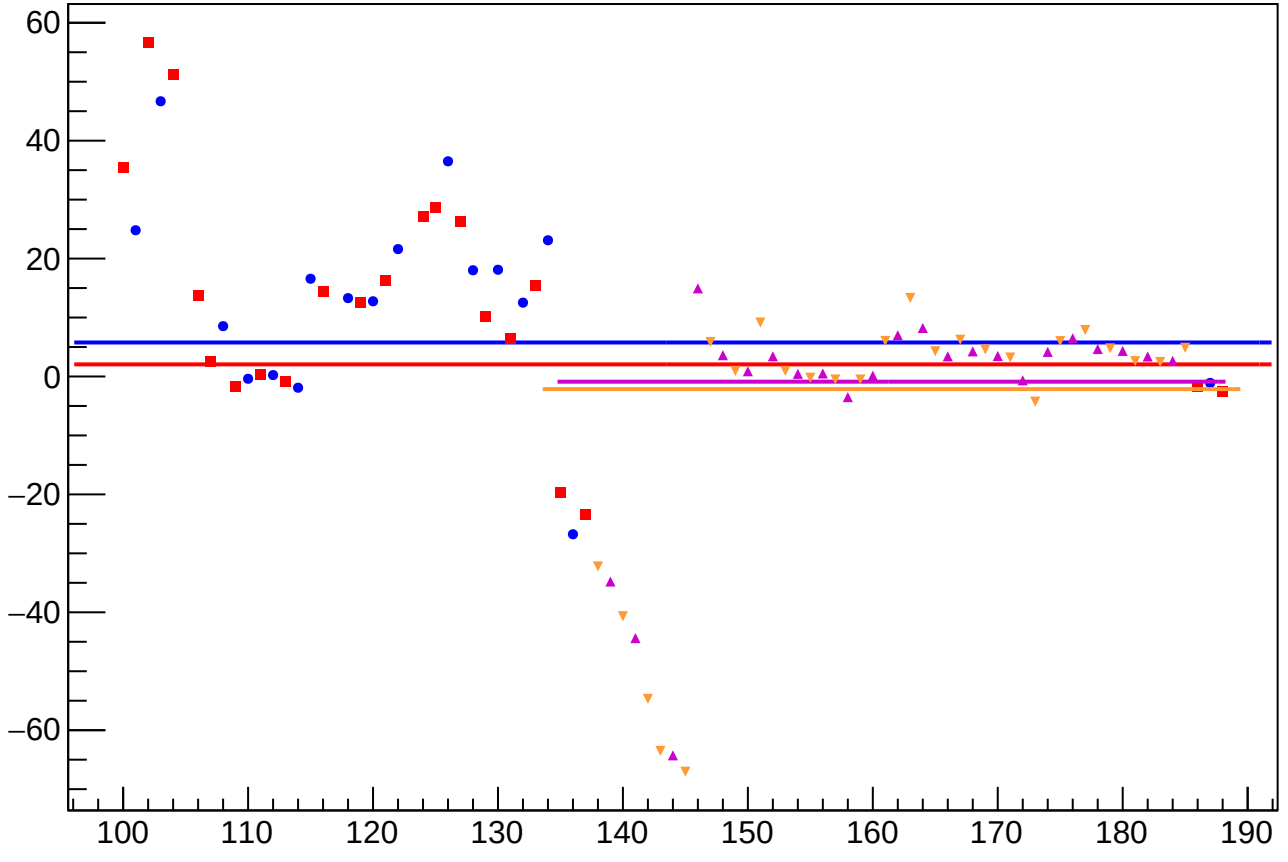
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.622+/-0.029 χ^2/NDF: 9752.9/41

All: 0.568+/-0.020 χ^2/NDF: 18678.1/85

- sign 0.521+/-0.027 χ^2/NDF: 8918.6/43

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 5.768+/-0.062 χ^2/NDF: 71886.0/16

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: 2.054+/-0.046 χ^2/NDF: 81073.5/20

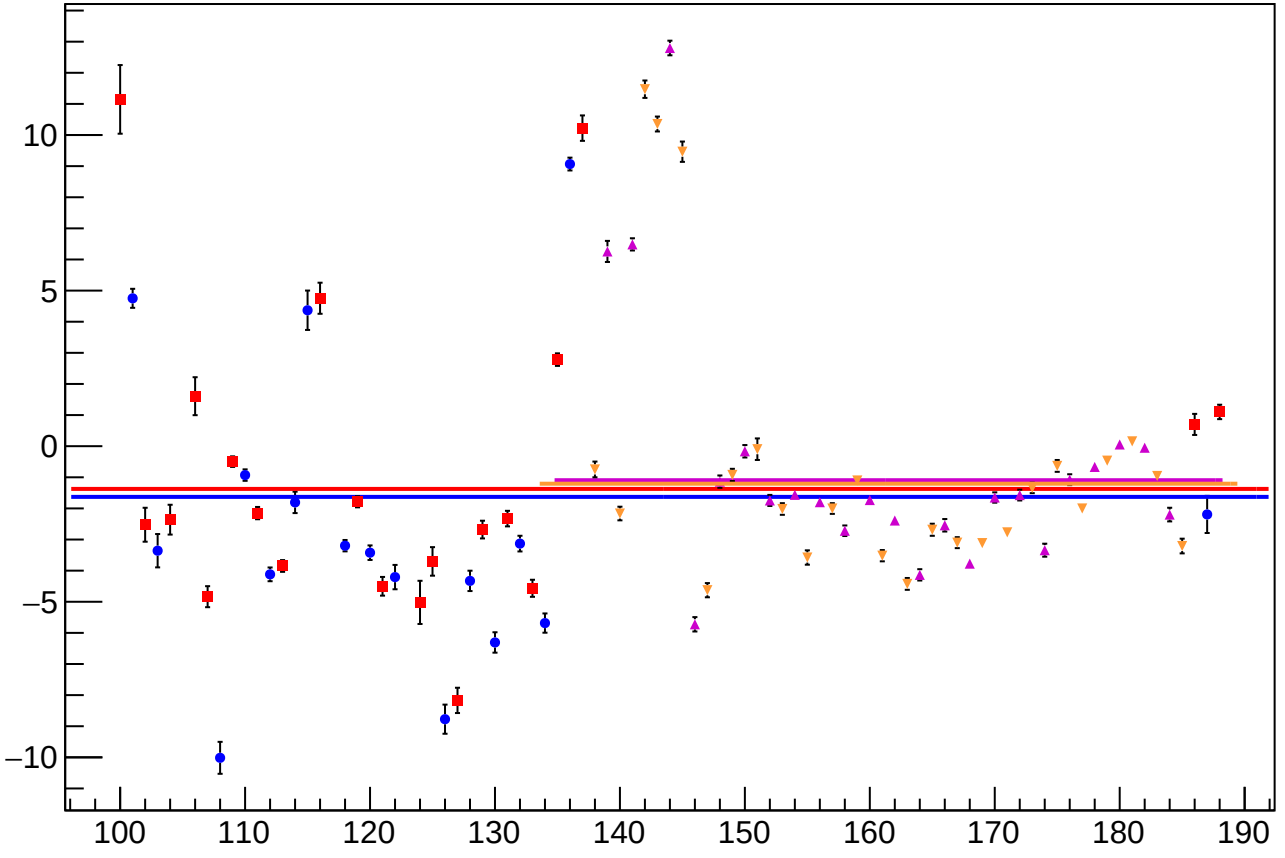
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign 0.193+/-0.034 χ^2/NDF: 254563.4/41

All: 0.281+/-0.022 χ^2/NDF: 467181.5/85

- sign 0.350+/-0.030 χ^2/NDF: 212606.0/43

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.629+/-0.069 χ^2/NDF: 4526.2/16

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -1.373+/-0.061 χ^2/NDF: 2630.6/20

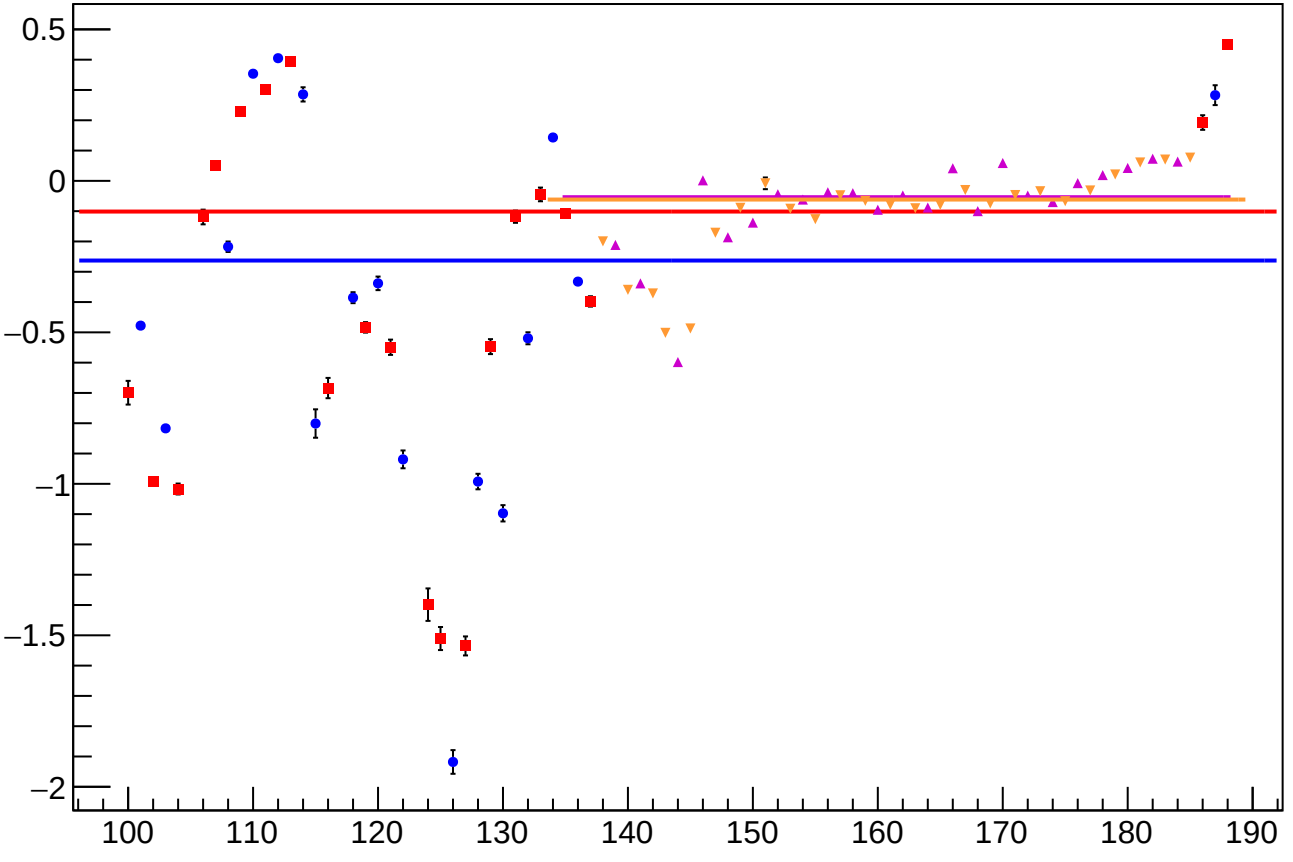
Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.297+/-0.032 χ^2/NDF: 11558.6/41

All: -1.226+/-0.022 χ^2/NDF: 21243.5/85

- sign -1.162+/-0.030 χ^2/NDF: 9675.5/43

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: -0.263+/-0.004 χ^2/NDF: 12330.0/16

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: -0.101+/-0.004 χ^2/NDF: 18054.7/20

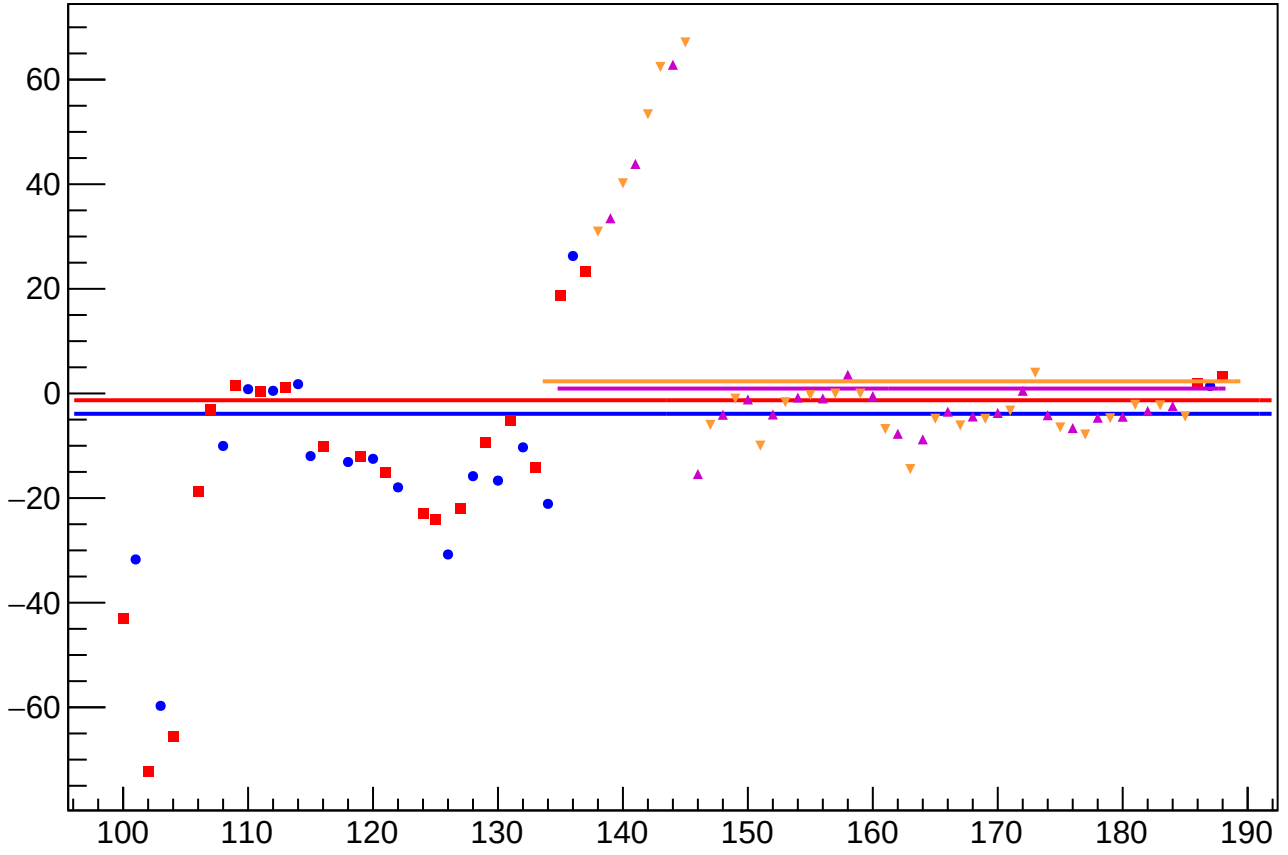
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.088+/-0.001 χ^2/NDF: 20119.7/41

All: -0.073+/-0.001 χ^2/NDF: 43528.1/85

- sign -0.061+/-0.001 χ^2/NDF: 23234.0/43

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -3.888+/-0.053 χ^2/NDF: 75711.8/16

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -1.301+/-0.041 χ^2/NDF: 83463.4/20

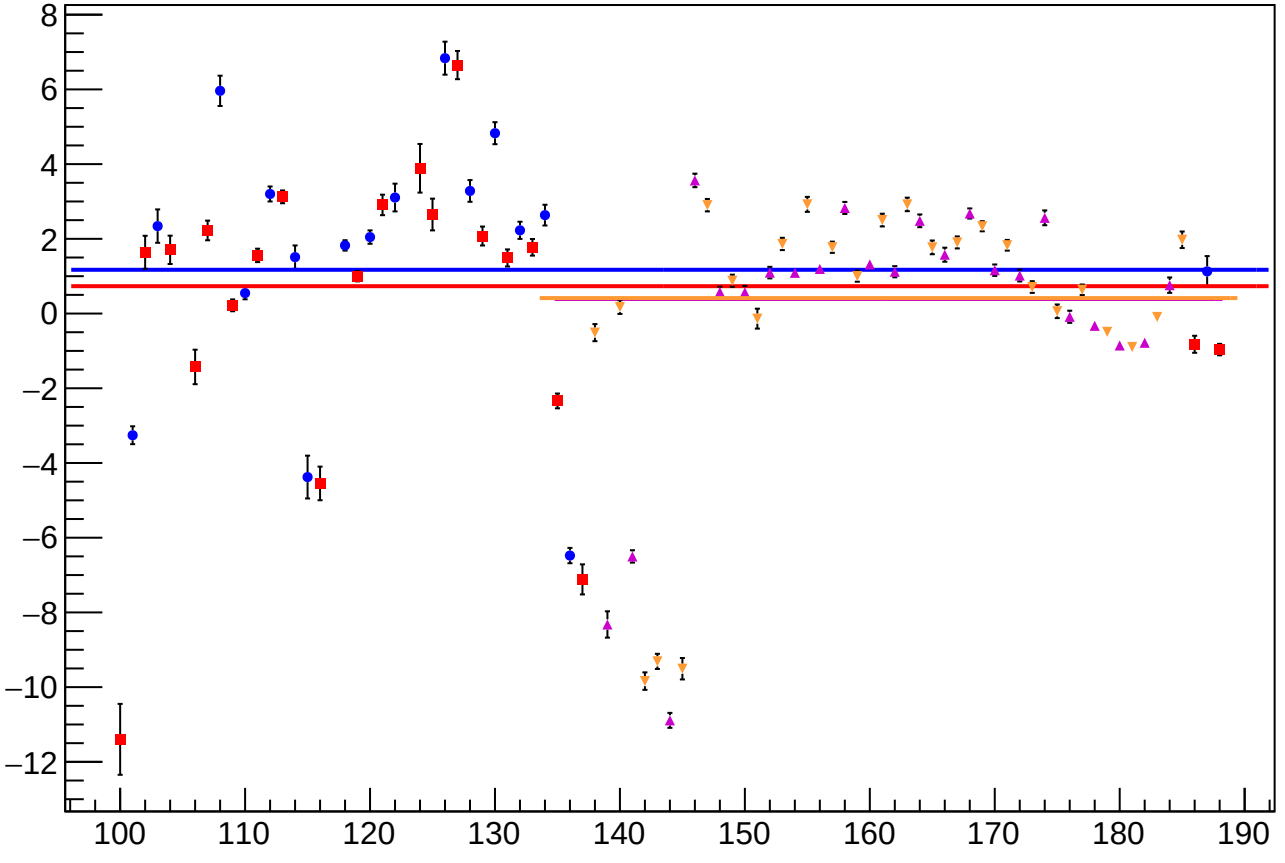
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 0.062+/-0.032 χ^2/NDF: 261151.1/41

All: -0.057+/-0.021 χ^2/NDF: 478576.3/85

- sign -0.151+/-0.029 χ^2/NDF: 217400.5/43

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.171+/-0.059 χ^2/NDF: 2584.5/16

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.733+/-0.052 χ^2/NDF: 1798.9/20

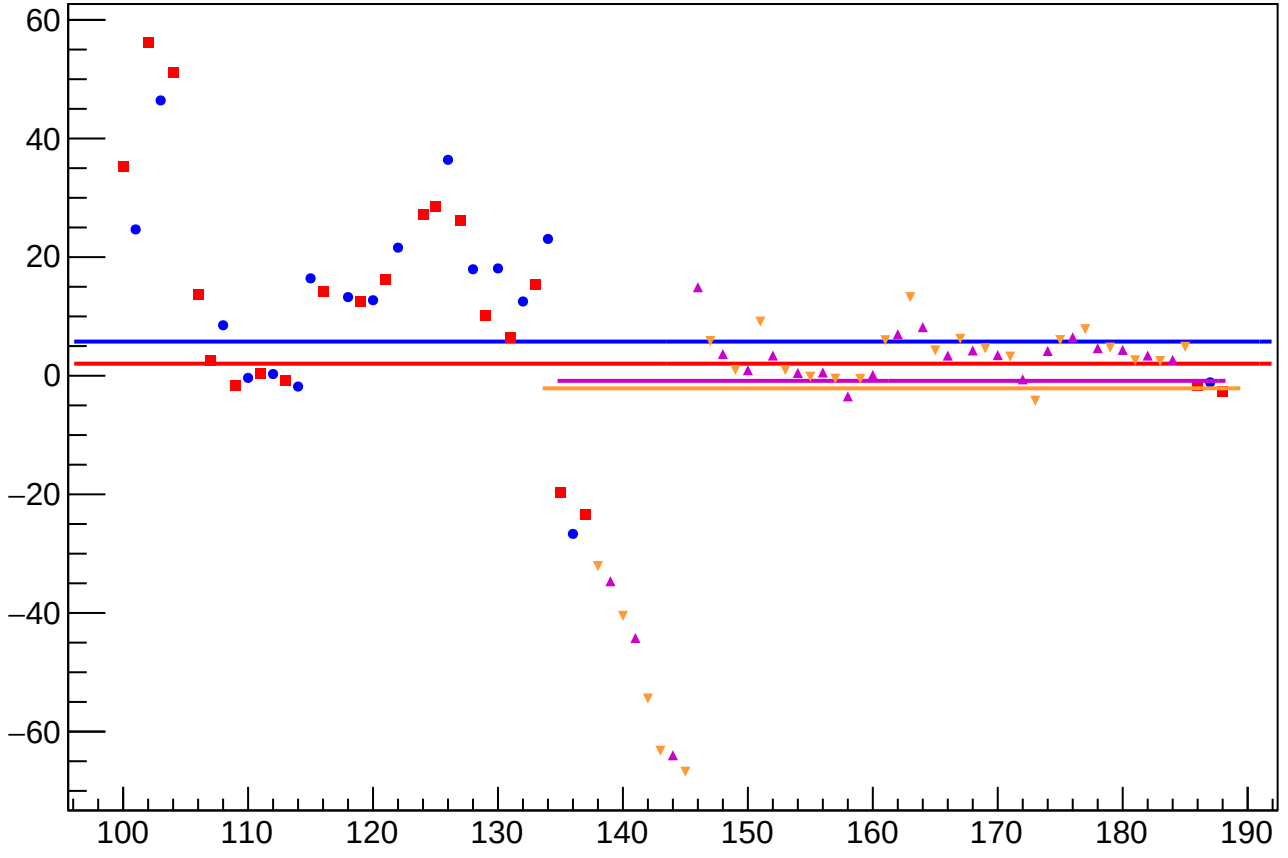
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.590+/-0.029 χ^2/NDF: 9756.3/41

All: 0.532+/-0.020 χ^2/NDF: 18709.1/85

- sign 0.481+/-0.027 χ^2/NDF: 8945.1/43

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 5.759+/-0.062 χ^2/NDF: 71856.5/16

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 2.035+/-0.046 χ^2/NDF: 81041.9/20

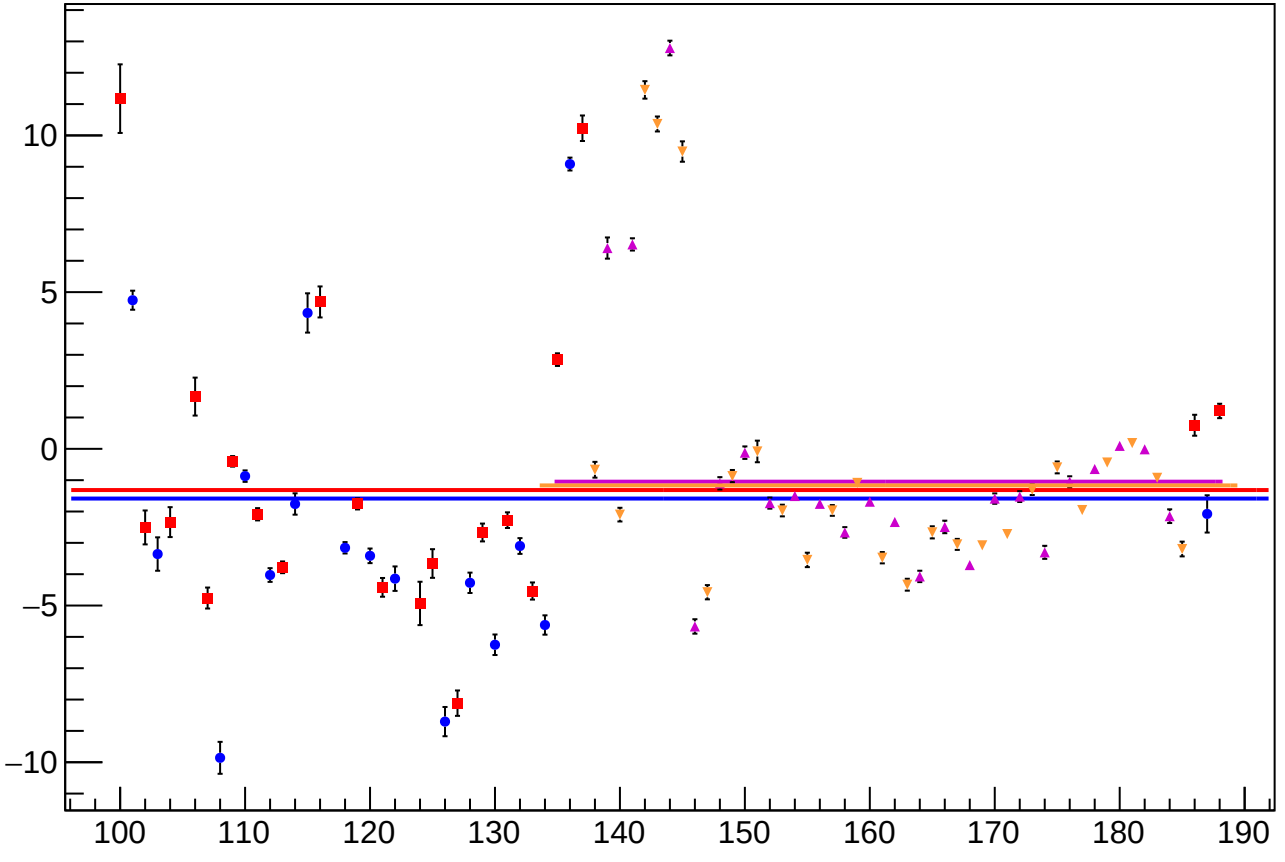
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign 0.214+/-0.034 χ^2/NDF: 254316.0/41

All: 0.297+/-0.022 χ^2/NDF: 466749.9/85

- sign 0.363+/-0.030 χ^2/NDF: 212422.8/43

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.069 χ^2/NDF: 4524.9/16

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -1.315+/-0.061 χ^2/NDF: 2649.6/20

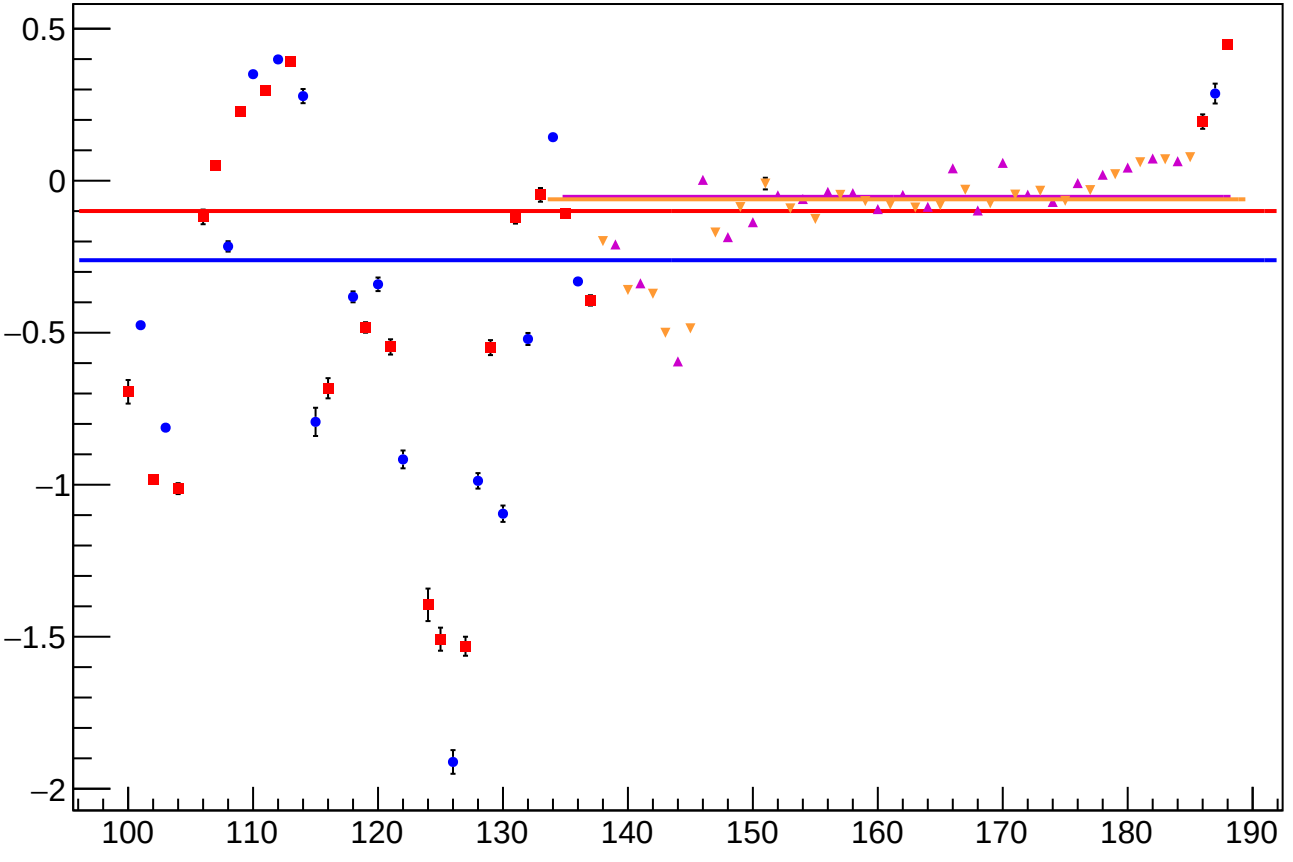
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.258+/-0.032 χ^2/NDF: 11555.4/41

All: -1.182+/-0.022 χ^2/NDF: 21271.0/85

- sign -1.114+/-0.030 χ^2/NDF: 9704.8/43

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.262+/-0.004 χ^2/NDF: 12322.4/16

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: -0.100+/-0.004 χ^2/NDF: 18093.5/20

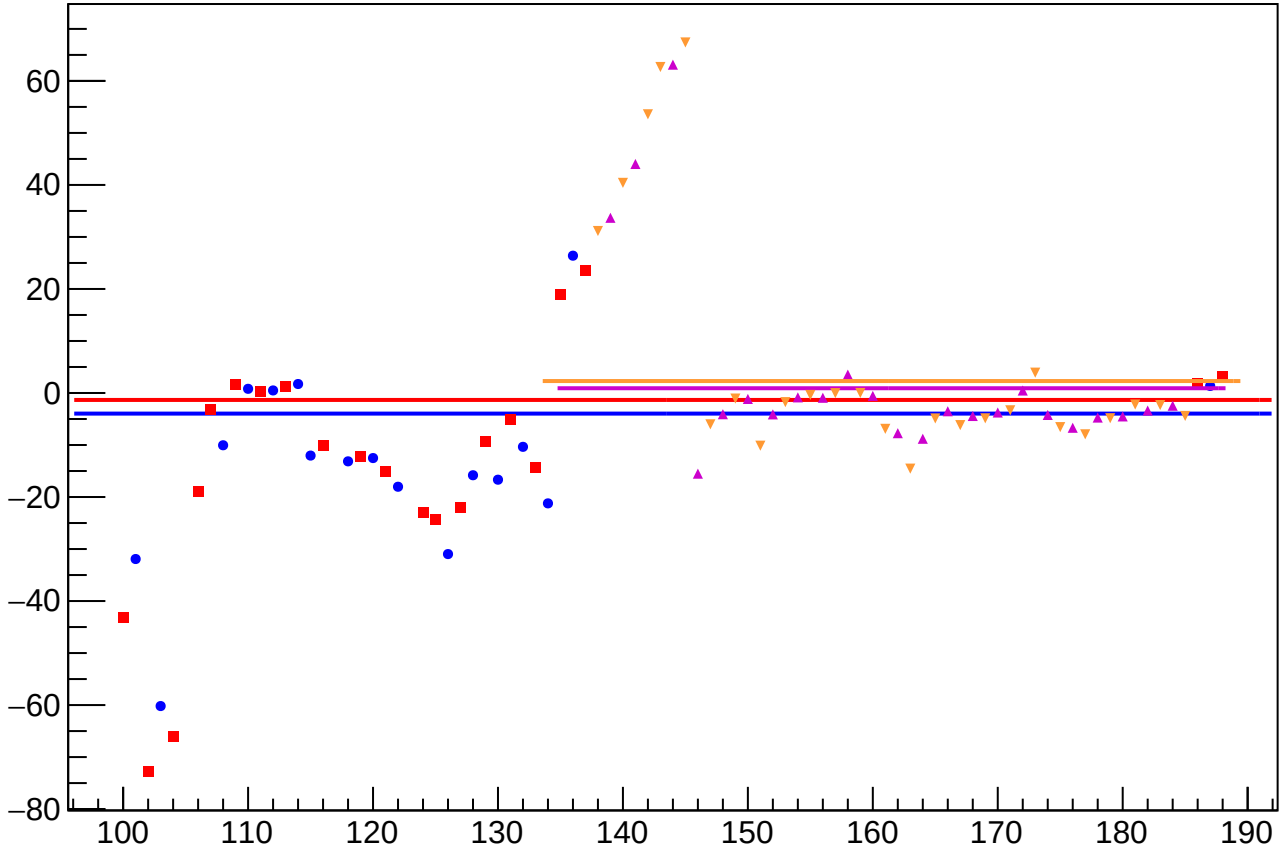
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.087+/-0.001 χ^2/NDF: 20129.7/41

All: -0.073+/-0.001 χ^2/NDF: 43556.1/85

- sign -0.060+/-0.001 χ^2/NDF: 23246.0/43

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -3.962+/-0.053 χ^2/NDF: 75684.4/16

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -1.337+/-0.041 χ^2/NDF: 83494.8/20

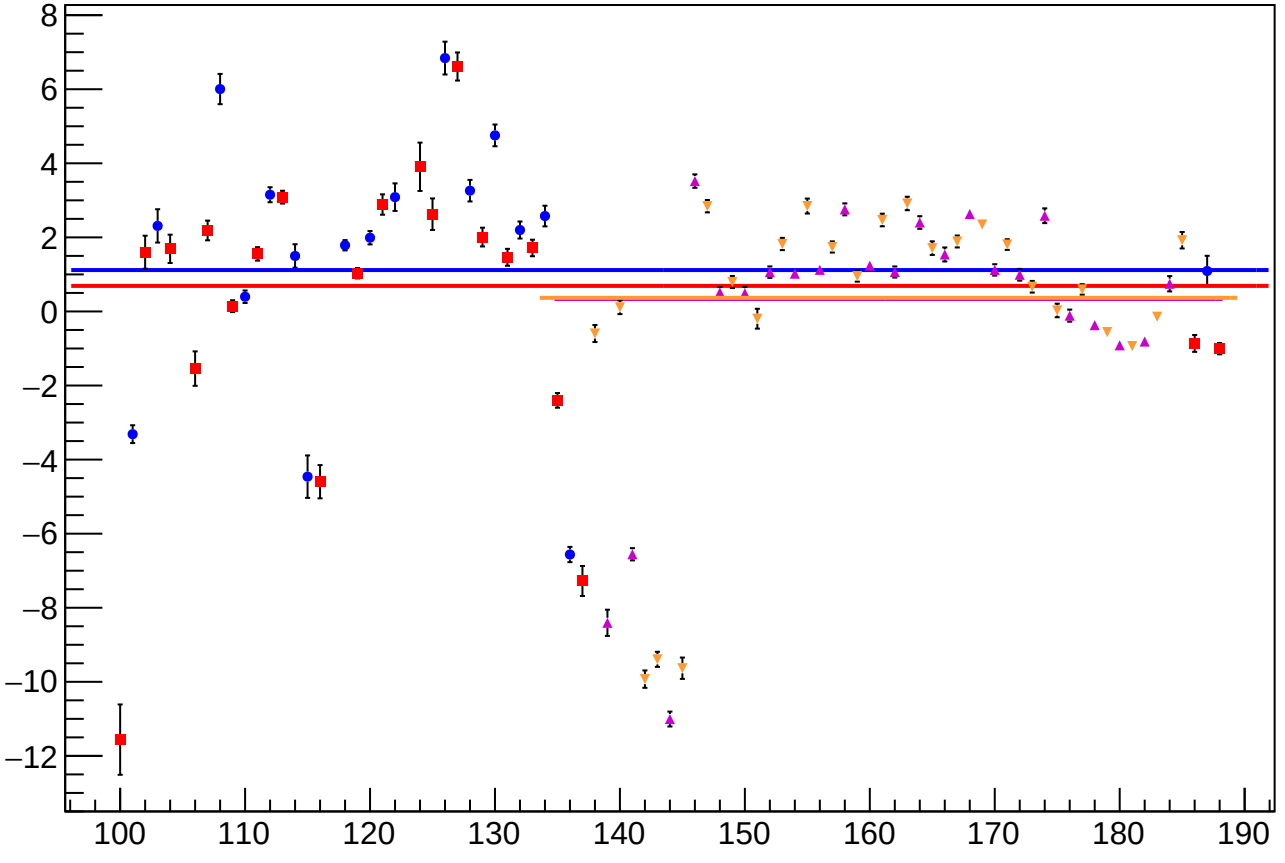
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 0.028+/-0.032 χ^2/NDF: 261609.5/41

All: -0.087+/-0.021 χ^2/NDF: 479236.7/85

- sign -0.178+/-0.029 χ^2/NDF: 217604.4/43

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/16

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.690+/-0.052 χ^2/NDF: 1814.8/20

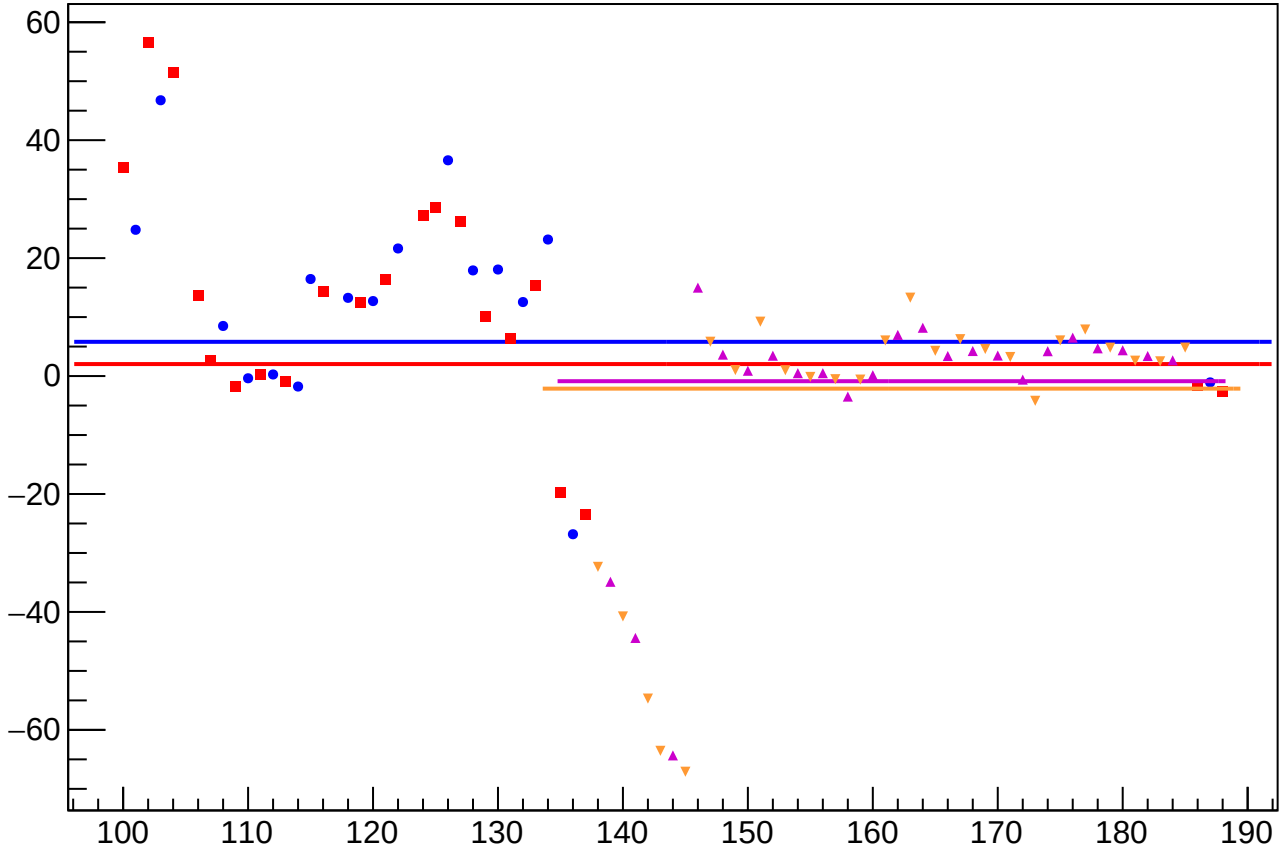
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.542+/-0.029 χ^2/NDF: 9780.5/41

All: 0.483+/-0.020 χ^2/NDF: 18731.2/85

- sign 0.431+/-0.027 χ^2/NDF: 8942.7/43

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 5.805+/-0.062 χ^2/NDF: 71846.7/16

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 2.033+/-0.046 χ^2/NDF: 81108.9/20

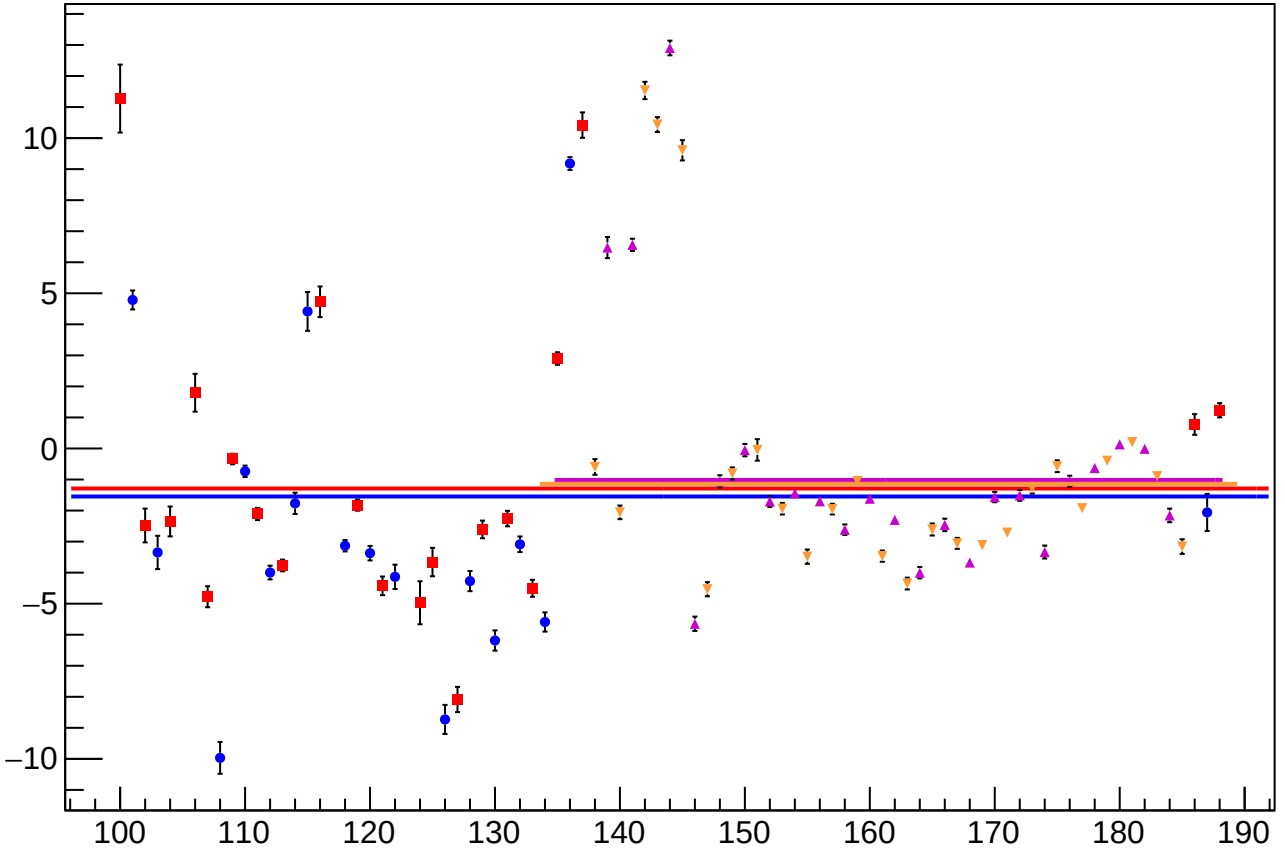
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign 0.213+/-0.034 χ^2/NDF: 254788.6/41

All: 0.293+/-0.022 χ^2/NDF: 467468.3/85

- sign 0.355+/-0.030 χ^2/NDF: 212669.8/43

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.547+/-0.069 χ^2/NDF: 4536.7/16

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -1.290+/-0.061 χ^2/NDF: 2674.6/20

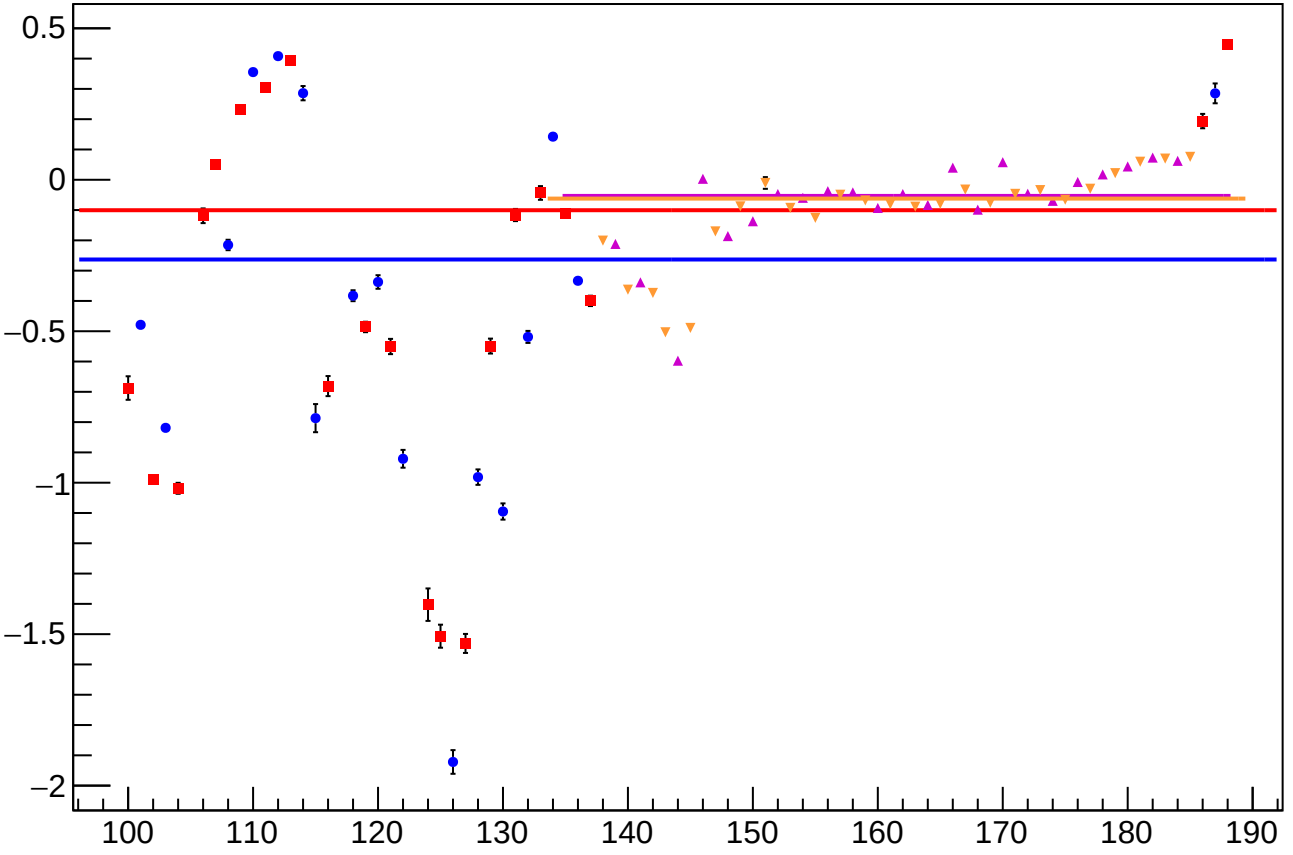
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.228+/-0.032 χ^2/NDF: 11586.8/41

All: -1.150+/-0.022 χ^2/NDF: 21315.1/85

- sign -1.081+/-0.030 χ^2/NDF: 9717.3/43

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.263+/-0.004 χ^2/NDF: 12348.5/16

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: -0.101+/-0.004 χ^2/NDF: 18076.1/20

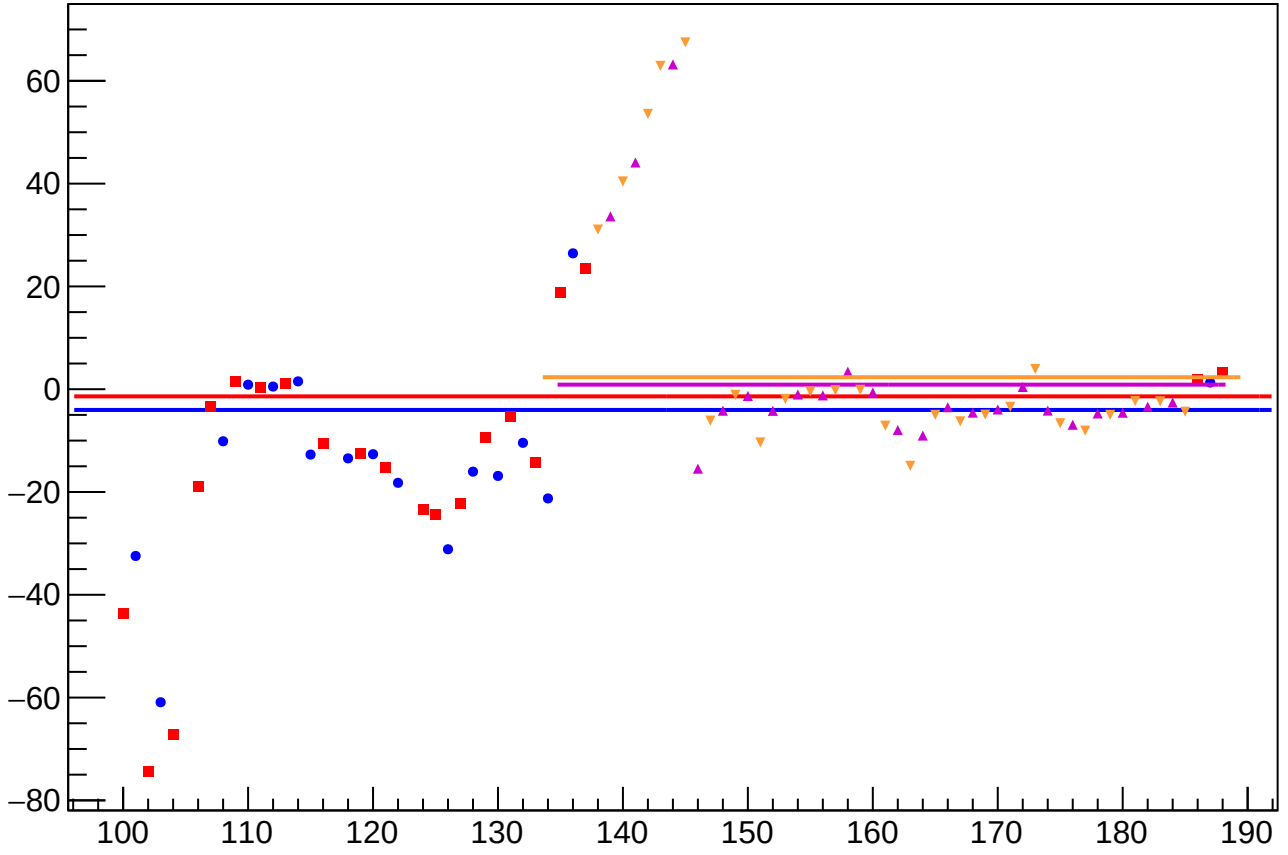
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.088+/-0.001 χ^2/NDF: 20155.2/41

All: -0.073+/-0.001 χ^2/NDF: 43561.1/85

- sign -0.060+/-0.001 χ^2/NDF: 23218.1/43

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: -4.036+/-0.054 χ^2/NDF: 74685.8/16

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -1.393+/-0.042 χ^2/NDF: 82650.0/20

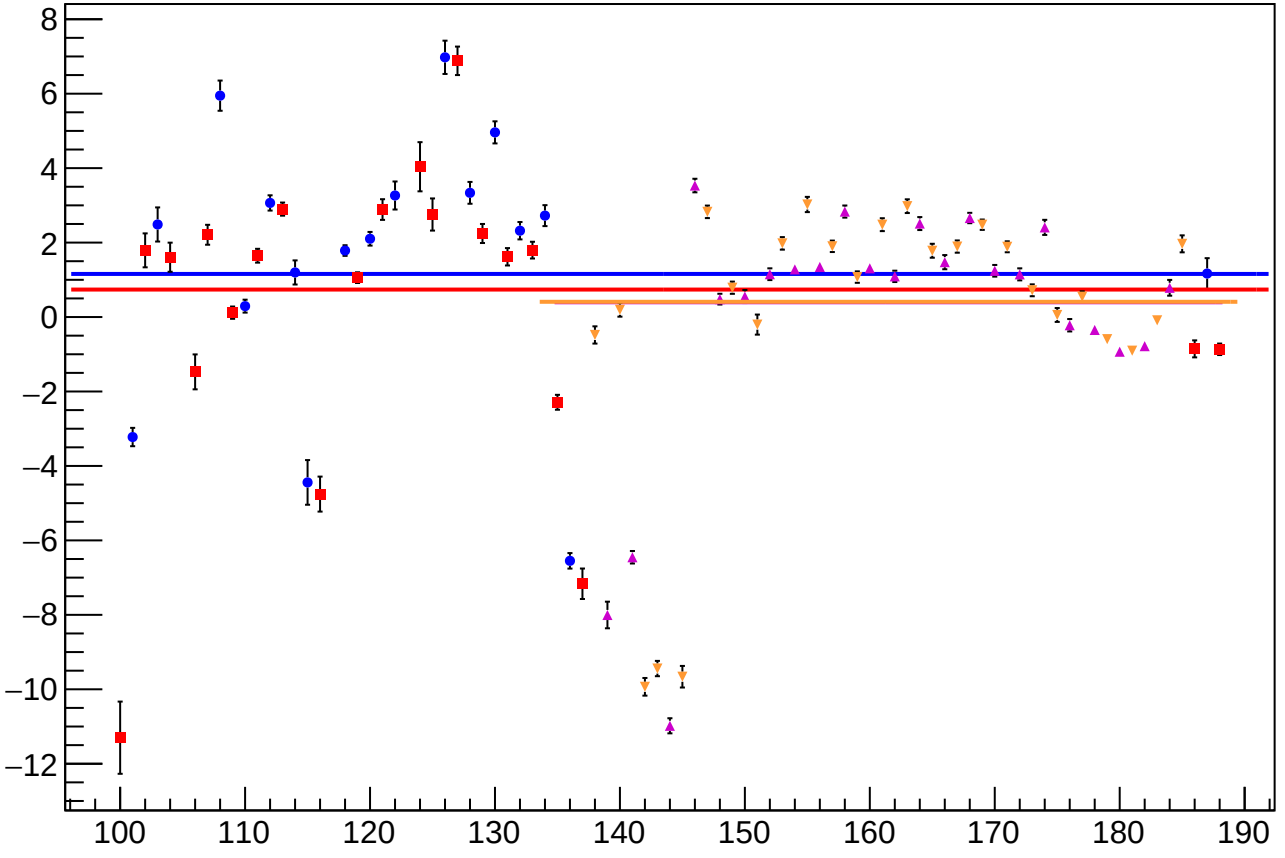
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 0.019+/-0.033 χ^2/NDF: 258046.6/41

All: -0.114+/-0.022 χ^2/NDF: 472662.5/85

- sign -0.220+/-0.029 χ^2/NDF: 214586.2/43

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.061 χ^2/NDF: 2549.9/16

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.738+/-0.053 χ^2/NDF: 1741.2/20

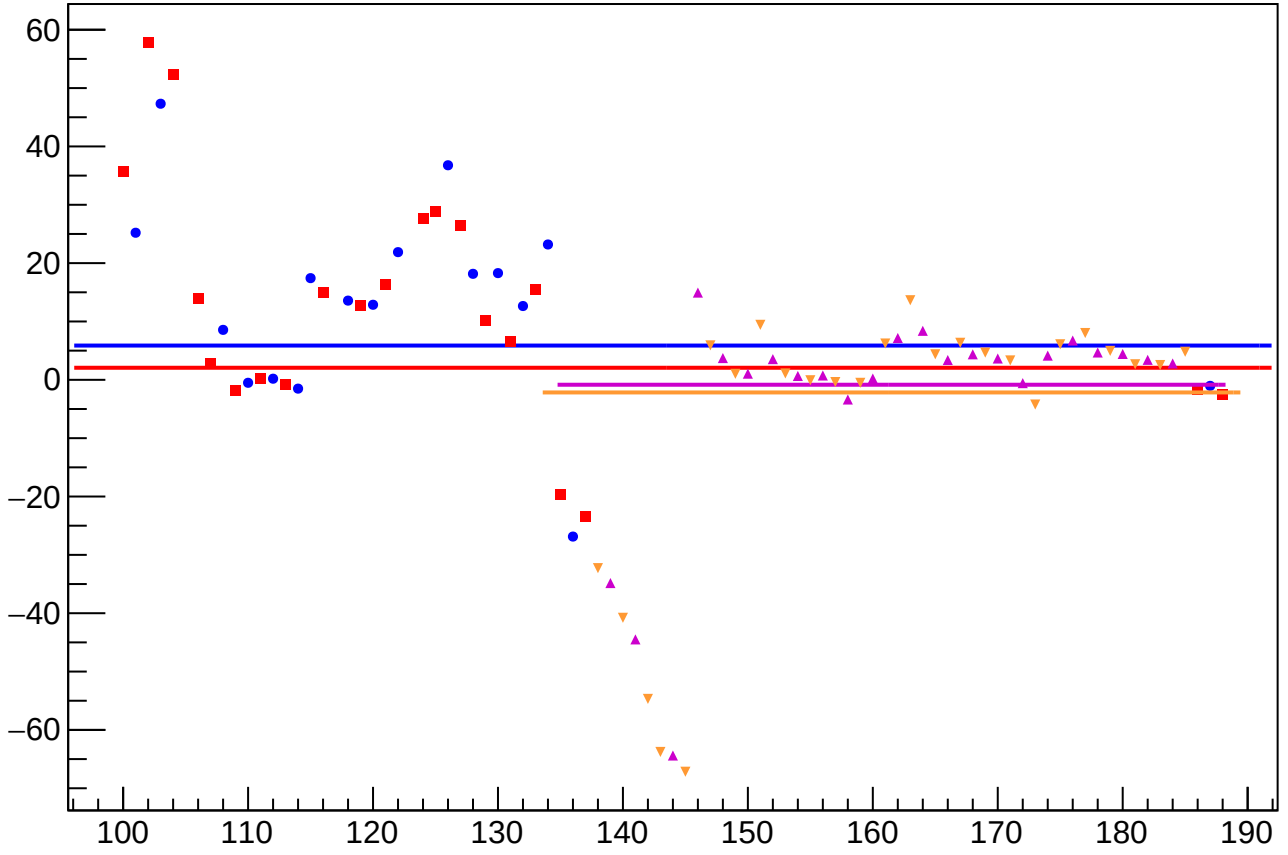
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.584+/-0.029 χ^2/NDF: 9713.9/41

All: 0.532+/-0.020 χ^2/NDF: 18423.1/85

- sign 0.488+/-0.027 χ^2/NDF: 8703.5/43

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 5.873+/-0.063 χ^2/NDF: 70948.5/16

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 2.067+/-0.047 χ^2/NDF: 80309.5/20

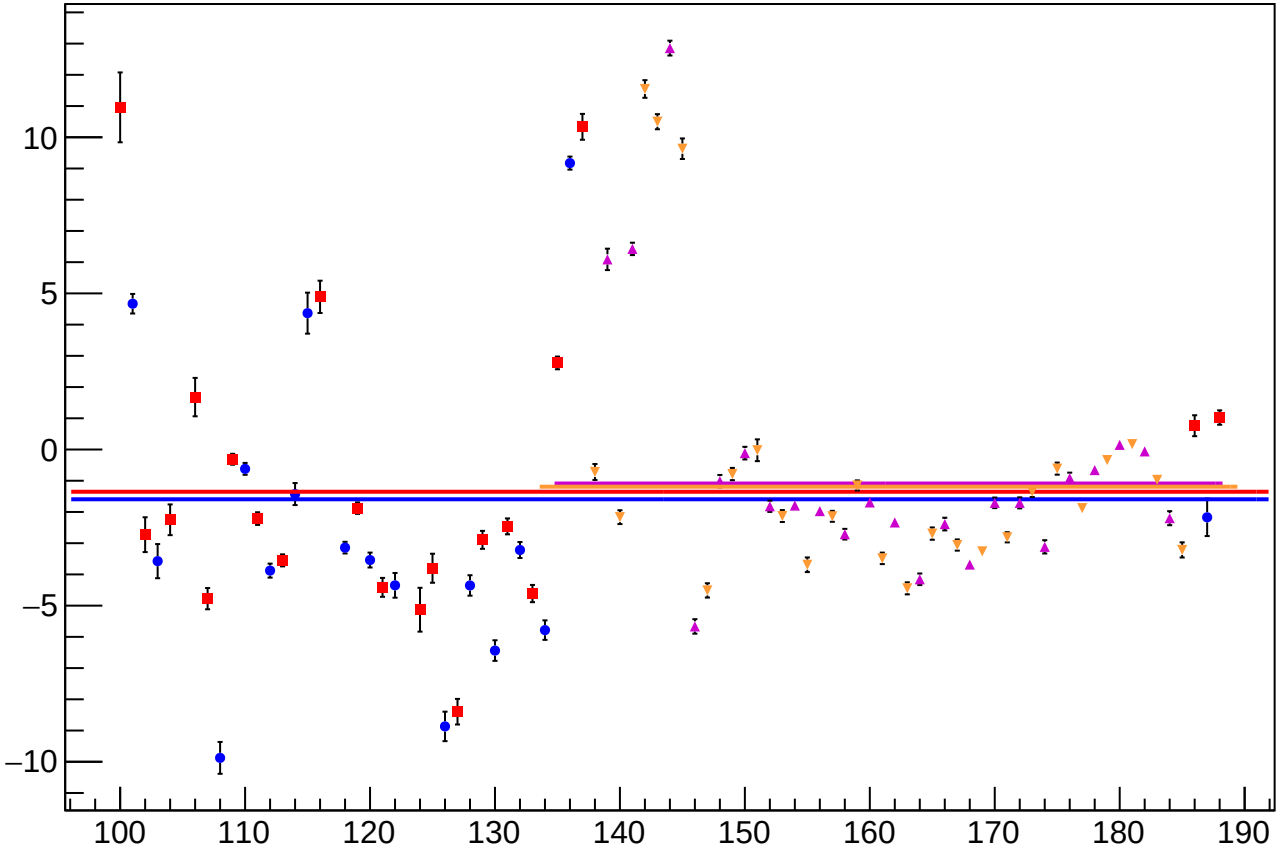
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign 0.219+/-0.034 χ^2/NDF: 251297.4/41

All: 0.318+/-0.023 χ^2/NDF: 460988.1/85

- sign 0.395+/-0.030 χ^2/NDF: 209676.1/43

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.594+/-0.070 χ^2/NDF: 4473.6/16

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -1.352+/-0.062 χ^2/NDF: 2586.0/20

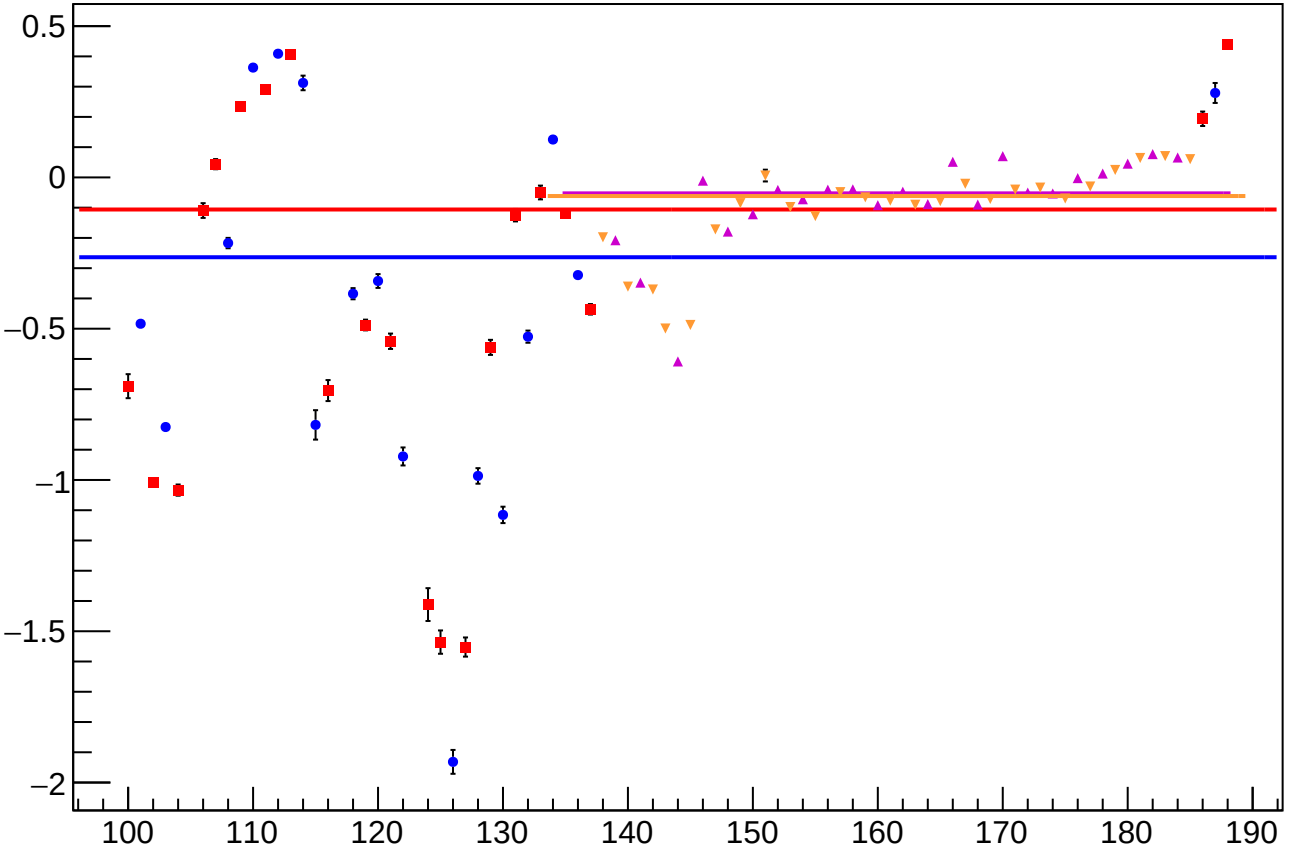
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

\+ sign -1.278+/-0.033 χ^2/NDF: 11495.3/41

All: -1.212+/-0.022 χ^2/NDF: 20943.1/85

\- sign -1.154+/-0.031 χ^2/NDF: 9440.3/43

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.264+/-0.004 χ^2/NDF: 12131.4/16

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: -0.106+/-0.004 χ^2/NDF: 17888.3/20

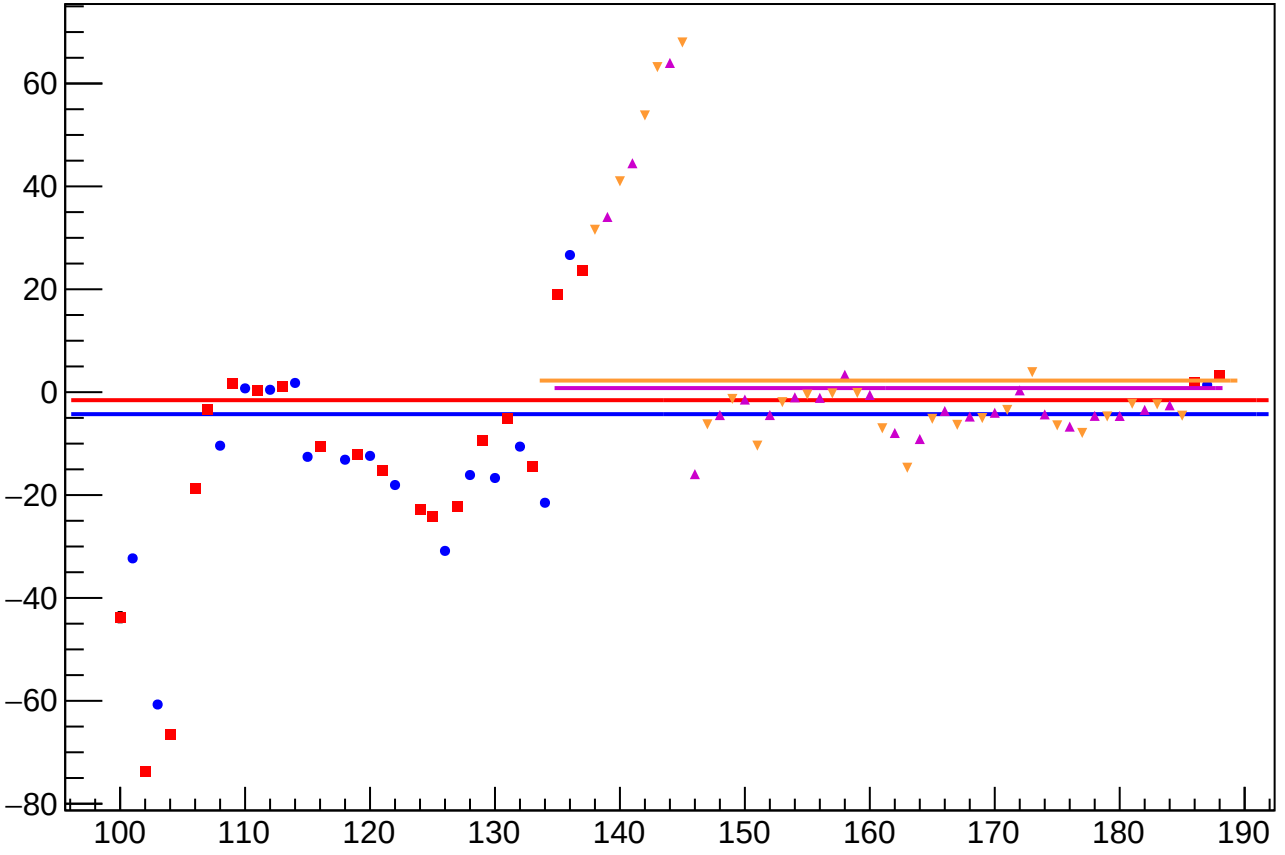
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.088+/-0.002 χ^2/NDF: 19724.9/41

All: -0.073+/-0.001 χ^2/NDF: 43004.0/85

- sign -0.061+/-0.001 χ^2/NDF: 23107.4/43

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.273+/-0.055 χ^2/NDF: 73159.6/16

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -1.556+/-0.043 χ^2/NDF: 80900.1/20

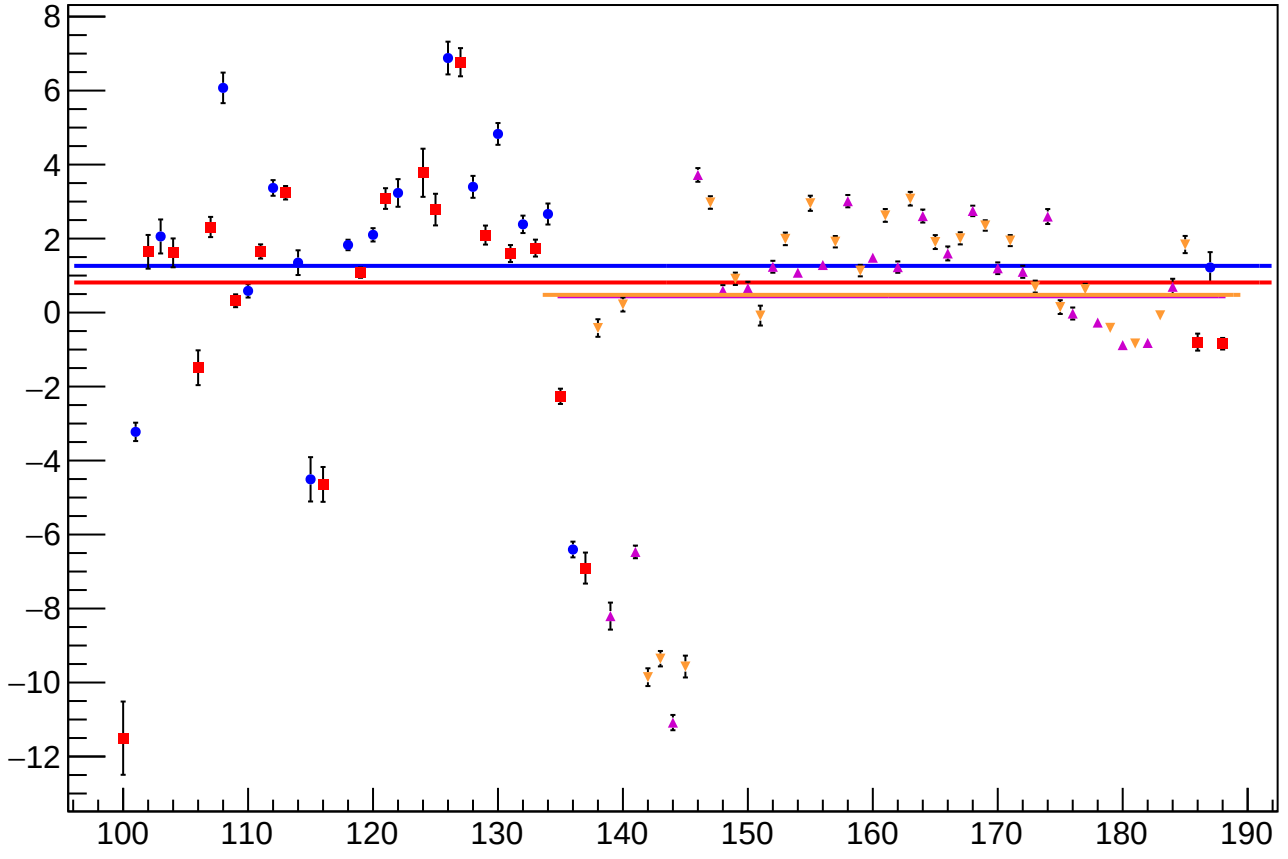
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign -0.090+/-0.033 χ^2/NDF: 253718.6/41

All: -0.224+/-0.022 χ^2/NDF: 465035.8/85

- sign -0.331+/-0.030 χ^2/NDF: 211288.1/43

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.262+/-0.061 χ^2/NDF: 2443.8/16

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.813+/-0.054 χ^2/NDF: 1686.2/20

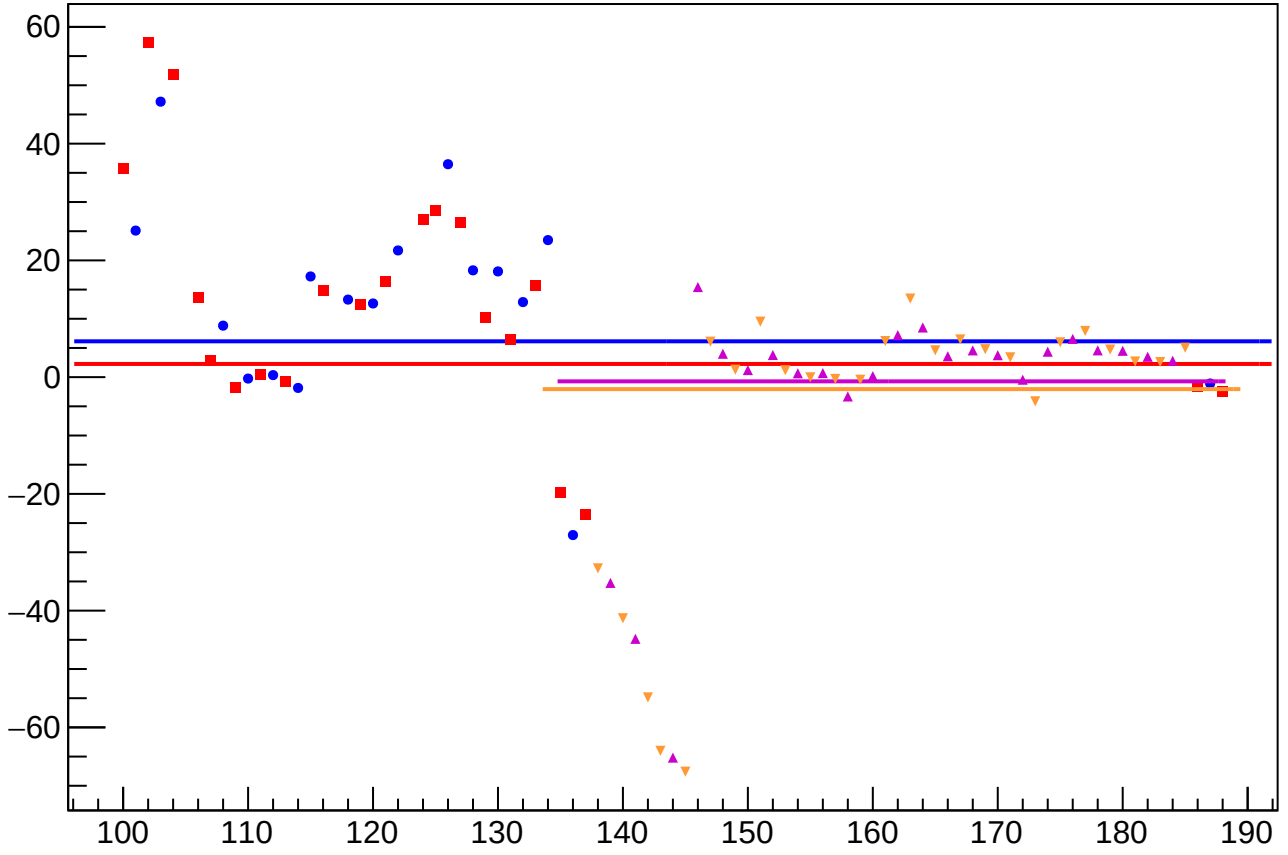
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.661+/-0.030 χ^2/NDF: 9377.1/41

All: 0.596+/-0.020 χ^2/NDF: 18001.4/85

- sign 0.539+/-0.028 χ^2/NDF: 8615.3/43

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.139+/-0.064 χ^2/NDF: 69376.3/16

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 2.259+/-0.048 χ^2/NDF: 78554.2/20

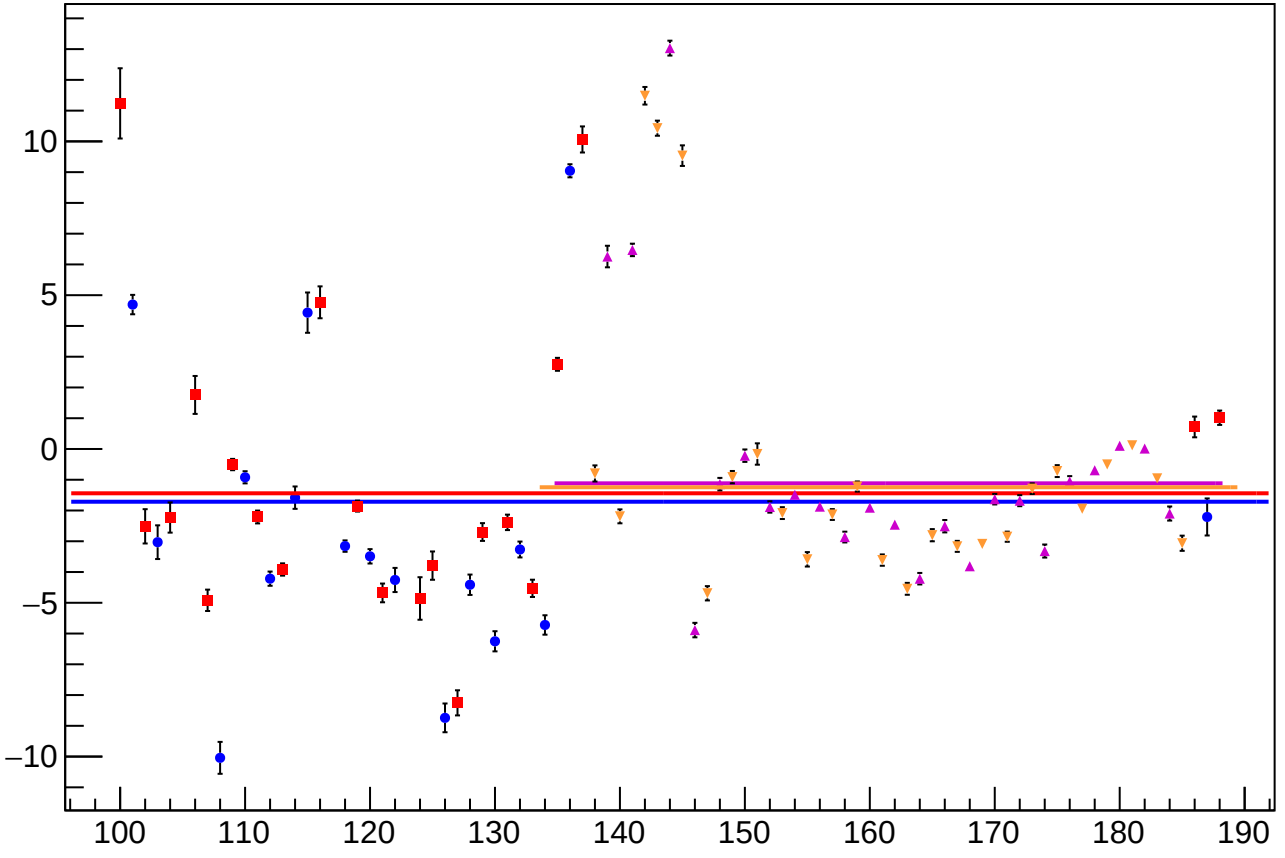
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign 0.365+/-0.035 χ^2/NDF: 246897.8/41

All: 0.461+/-0.023 χ^2/NDF: 453270.3/85

- sign 0.537+/-0.031 χ^2/NDF: 206358.9/43

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.715+/-0.071 χ^2/NDF: 4290.5/16

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -1.440+/-0.063 χ^2/NDF: 2480.0/20

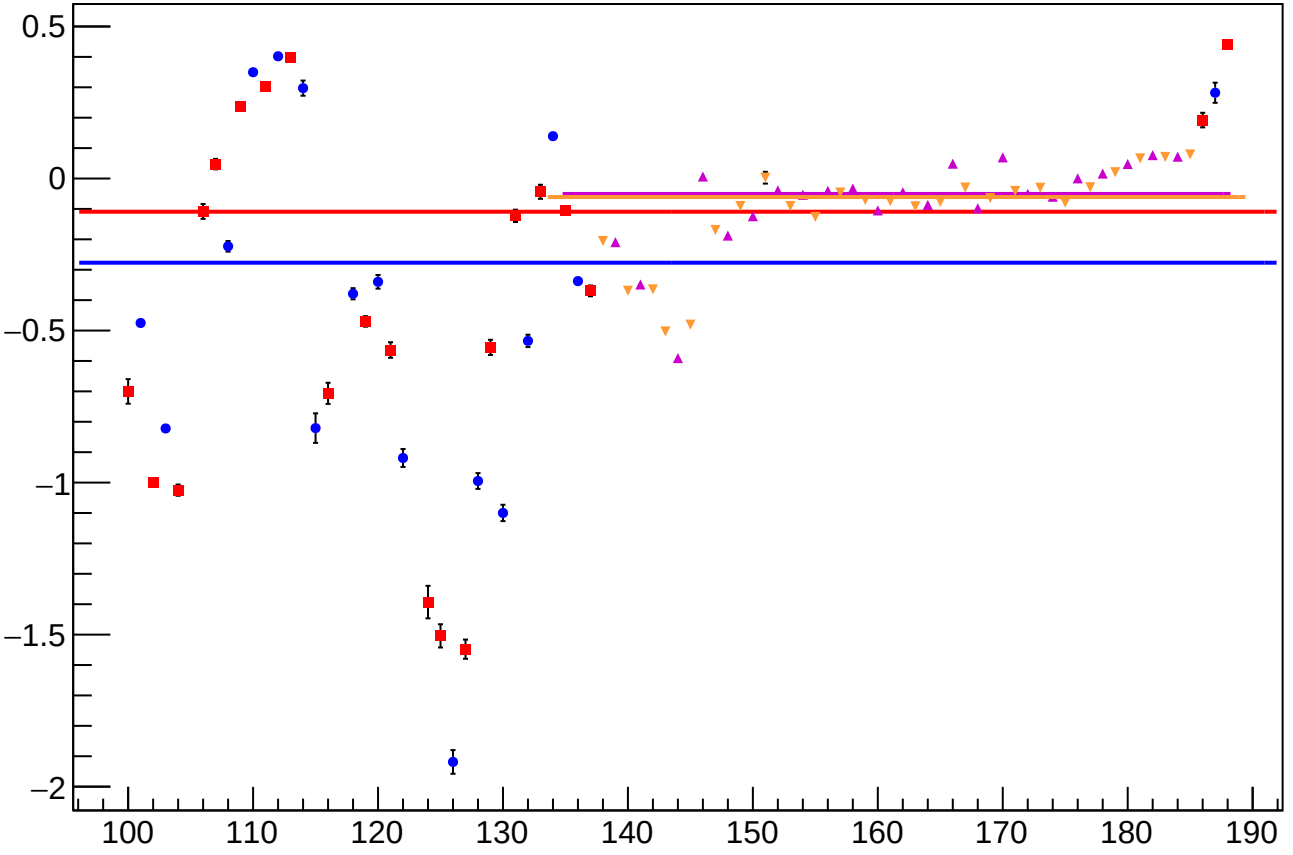
Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

\+ sign -1.346+/-0.033 χ^2/NDF: 11093.5/41

All: -1.267+/-0.023 χ^2/NDF: 20444.5/85

\- sign -1.196+/-0.031 χ^2/NDF: 9340.1/43

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.277+/-0.004 χ^2/NDF: 11651.2/16

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

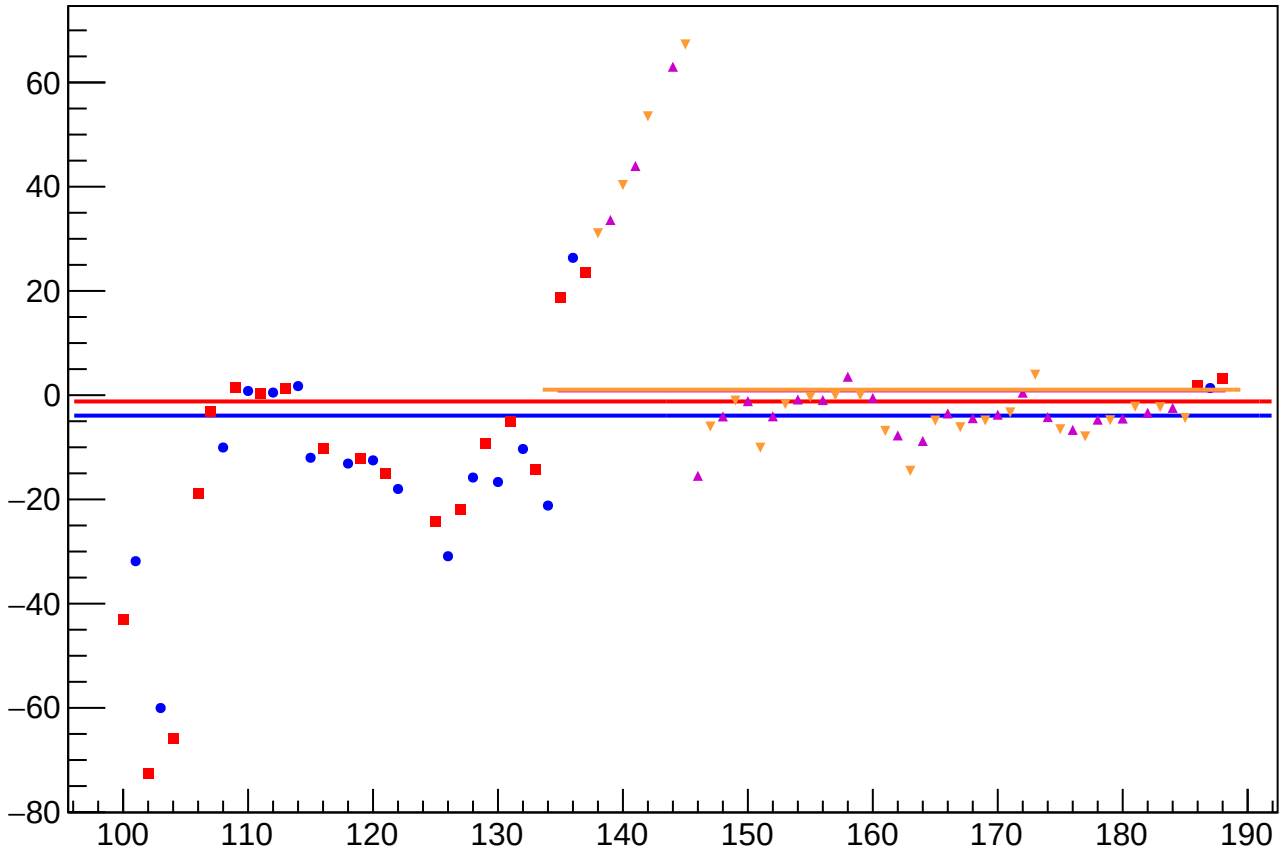
Right Out: -0.109+/-0.004 χ^2/NDF: 17319.8/20

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.089+/-0.002 χ^2/NDF: 19384.9/41

All: -0.073+/-0.001 χ^2/NDF: 41992.7/85

- sign -0.059+/-0.001 χ^2/NDF: 22409.9/43



Right In: -3.923+/-0.053 χ^2/NDF: 75862.3/16

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

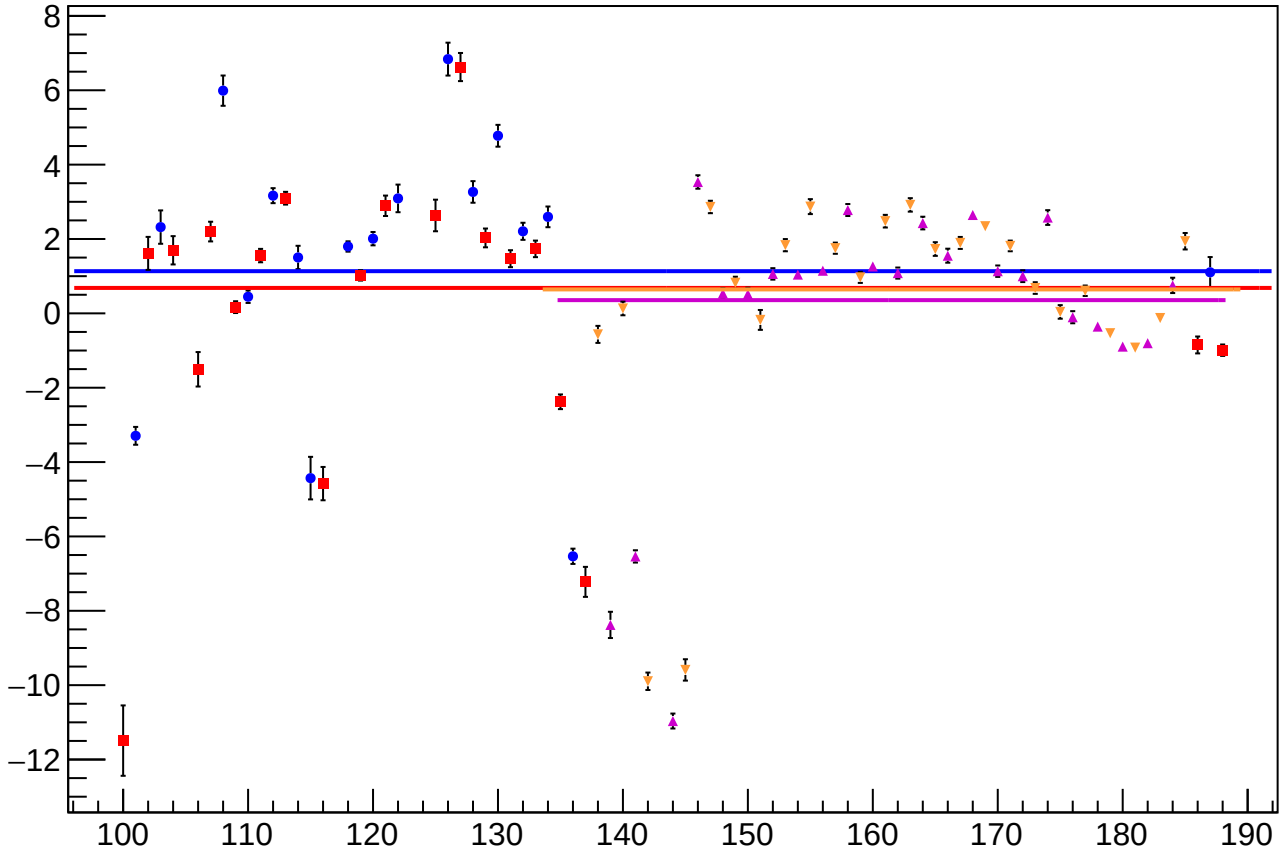
Right Out: -1.204+/-0.041 χ^2/NDF: 82256.3/19

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign -0.776+/-0.032 χ^2/NDF: 212425.1/40

All: -0.404+/-0.021 χ^2/NDF: 429094.4/83

- sign -0.113+/-0.029 χ^2/NDF: 216432.5/42



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/16

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

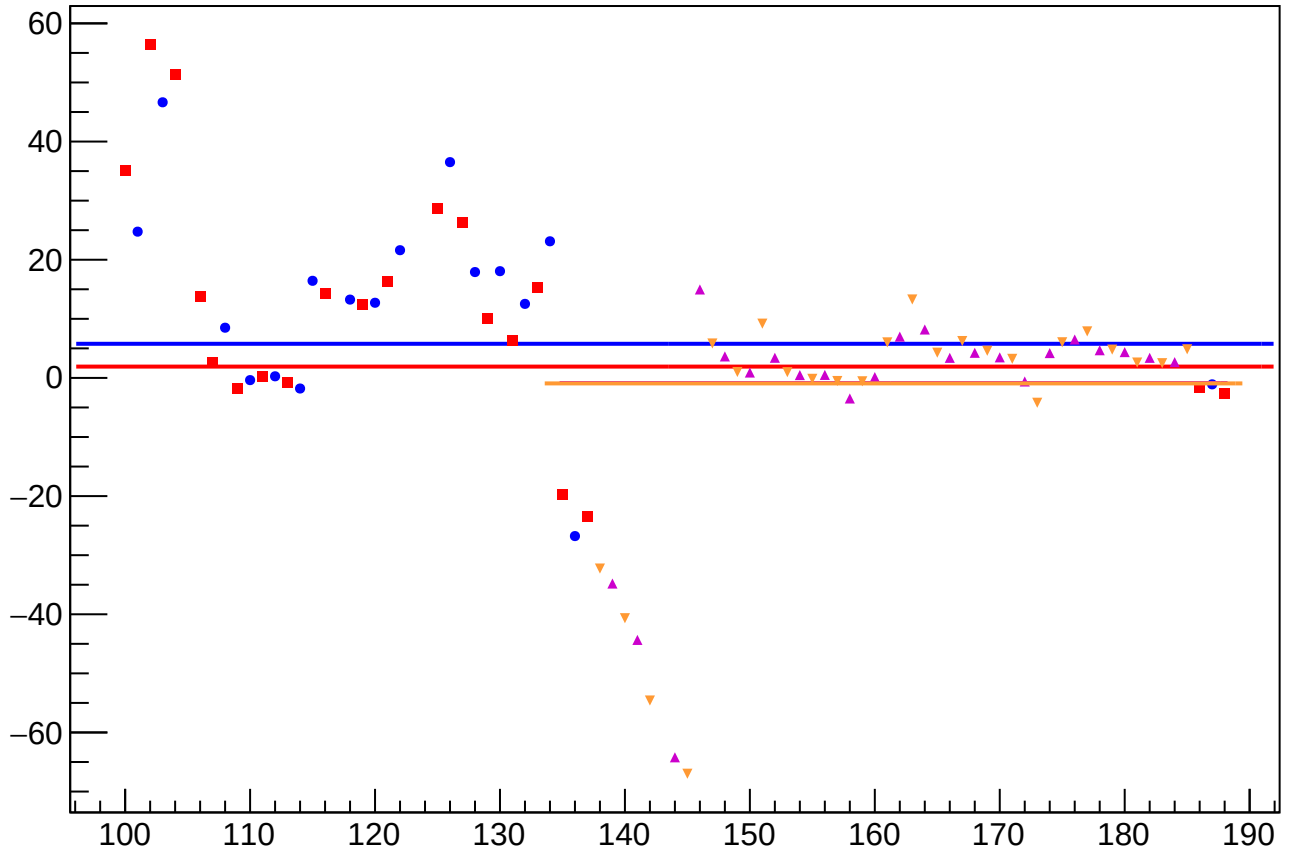
Right Out: 0.684+/-0.052 χ^2/NDF: 1791.2/19

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.760+/-0.029 χ^2/NDF: 7358.5/40

All: 0.589+/-0.020 χ^2/NDF: 16360.5/83

- sign 0.442+/-0.027 χ^2/NDF: 8937.3/42



Right In: 5.775+/-0.062 χ^2/NDF: 72012.7/16

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

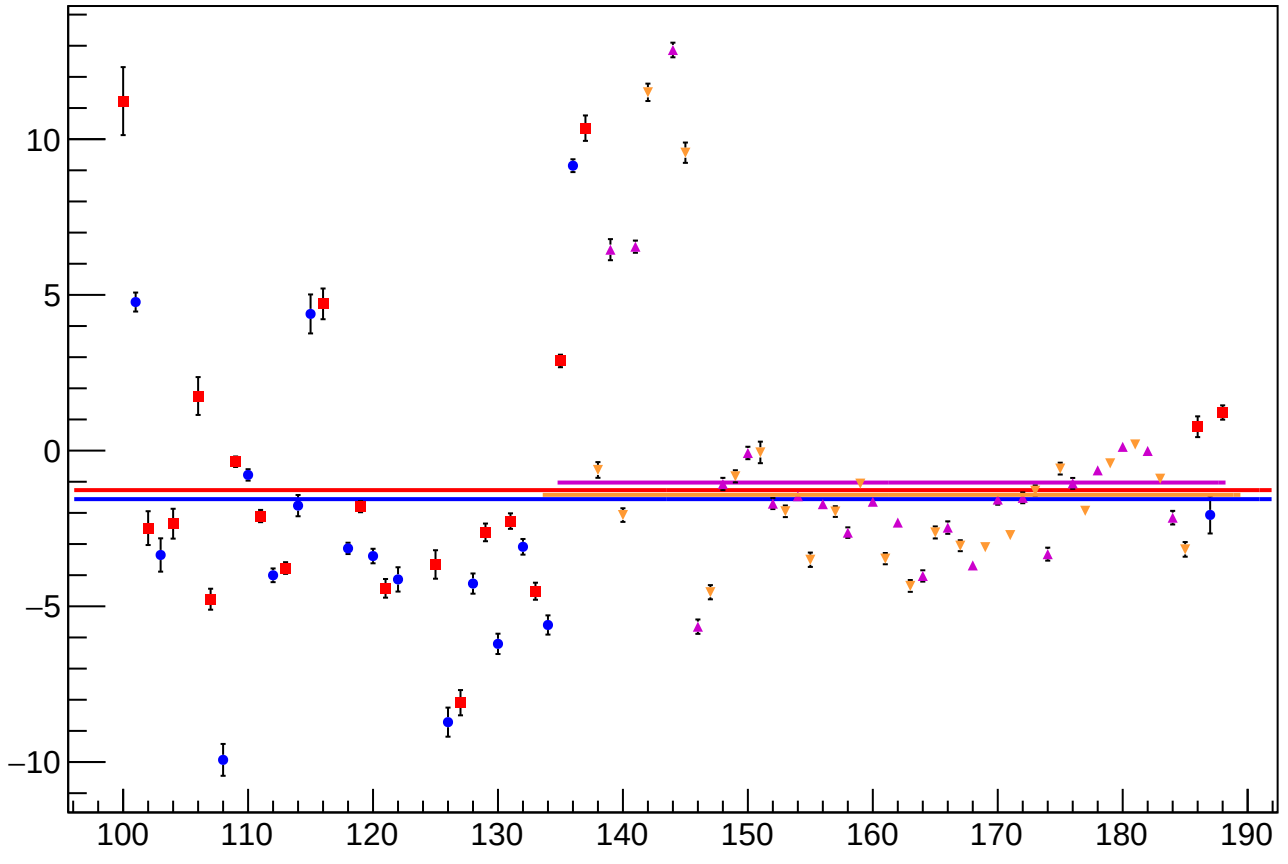
Right Out: 1.917+/-0.046 χ^2/NDF: 79980.9/19

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

\+ sign 1.081+/-0.034 χ^2/NDF: 206591.5/40

All: 0.646+/-0.022 χ^2/NDF: 418459.2/83

\- sign 0.309+/-0.030 χ^2/NDF: 211576.1/42



Right In: -1.559+/-0.069 χ^2/NDF: 4544.3/16

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

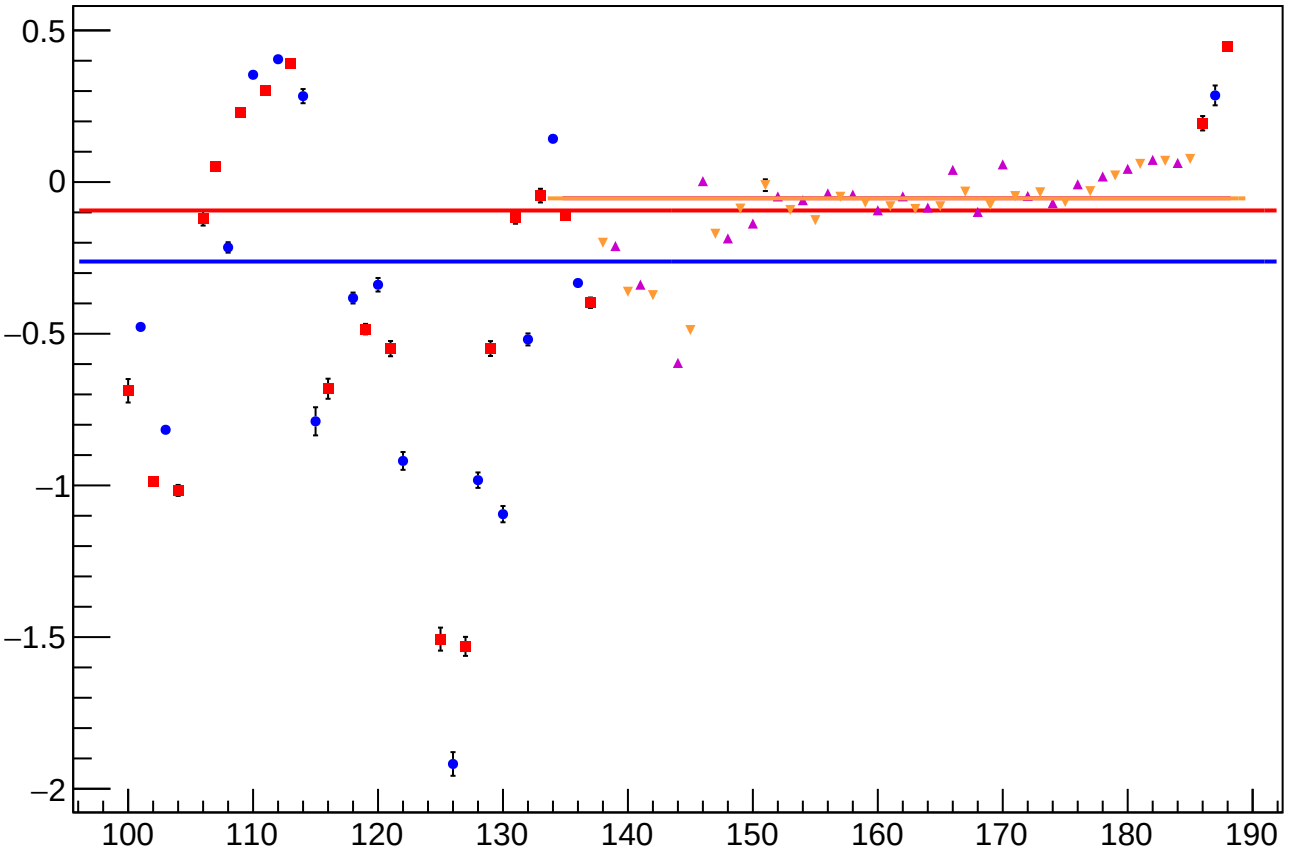
Right Out: -1.269+/-0.061 χ^2/NDF: 2646.6/19

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.451+/-0.032 χ^2/NDF: 9189.5/40

All: -1.255+/-0.022 χ^2/NDF: 18963.3/83

- sign -1.085+/-0.030 χ^2/NDF: 9705.6/42



Right In: -0.262+/-0.004 χ^2/NDF: 12380.9/16

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

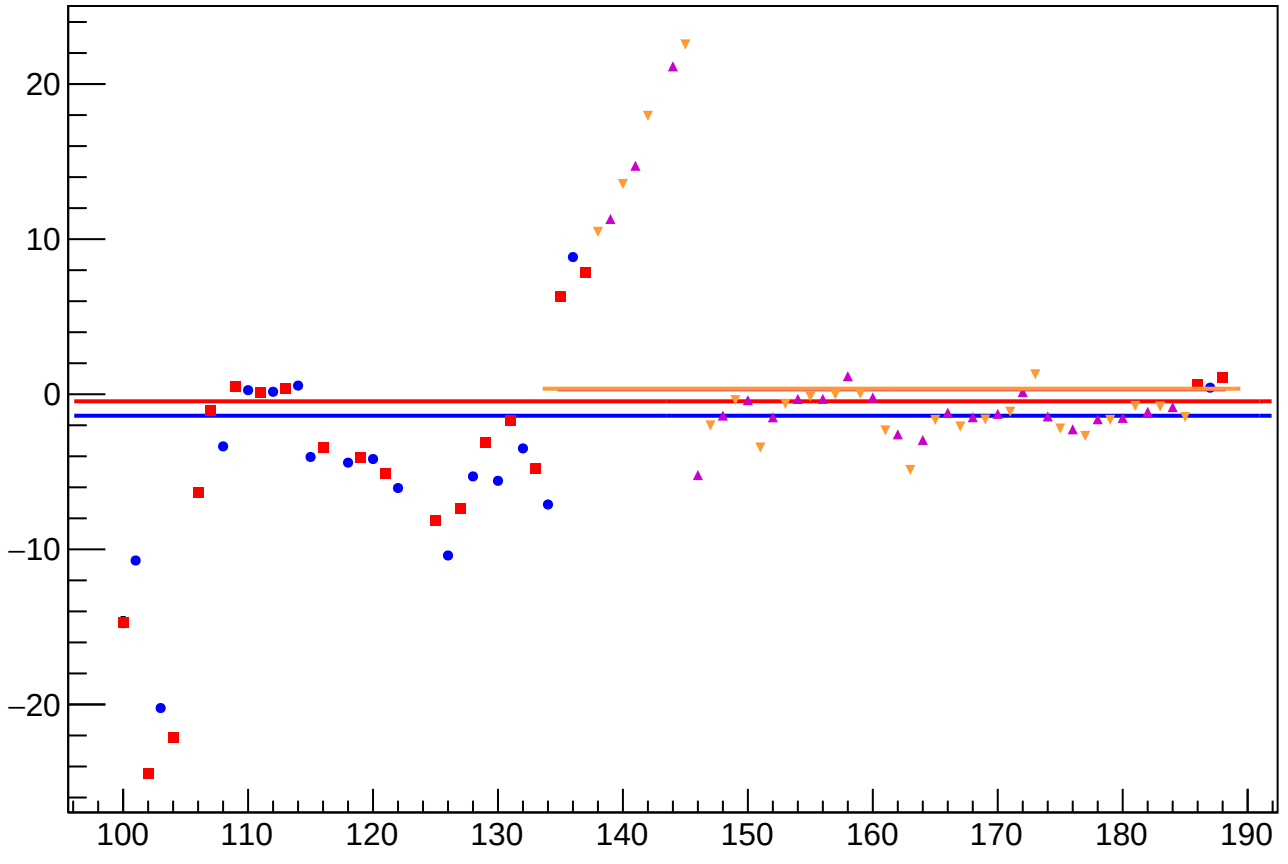
Right Out: -0.094+/-0.004 χ^2/NDF: 17543.6/19

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.081+/-0.001 χ^2/NDF: 18952.1/40

All: -0.069+/-0.001 χ^2/NDF: 41731.3/83

- sign -0.059+/-0.001 χ^2/NDF: 22662.8/42



Right In: -1.384+/-0.018 χ^2/NDF: 74205.4/16

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: -0.454+/-0.014 χ^2/NDF: 80720.8/19

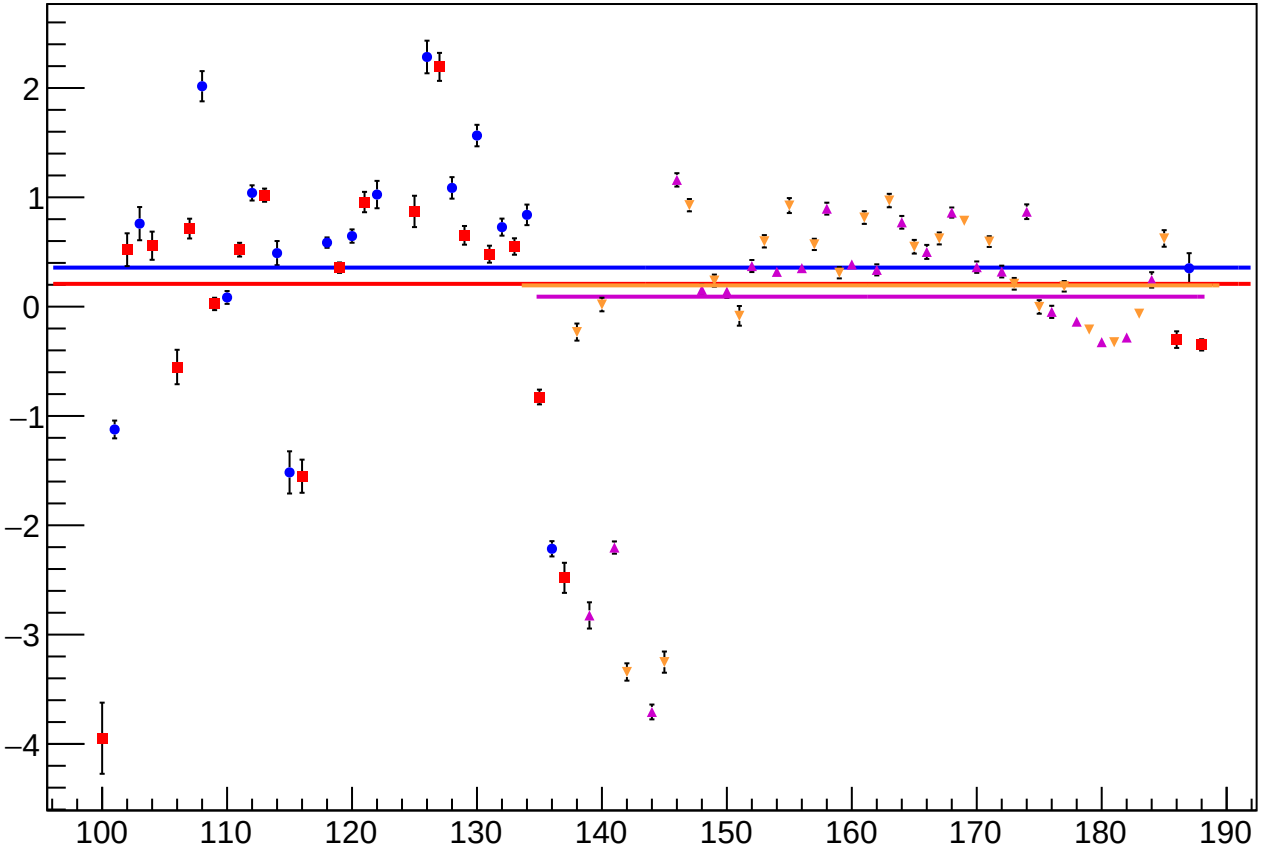
Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

\+ sign -0.277+/-0.011 χ^2/NDF: 208803.0/40

All: -0.152+/-0.007 χ^2/NDF: 421514.1/83

\- sign -0.053+/-0.010 χ^2/NDF: 212480.9/42

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.357+/-0.020 χ^2/NDF: 2543.0/16

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

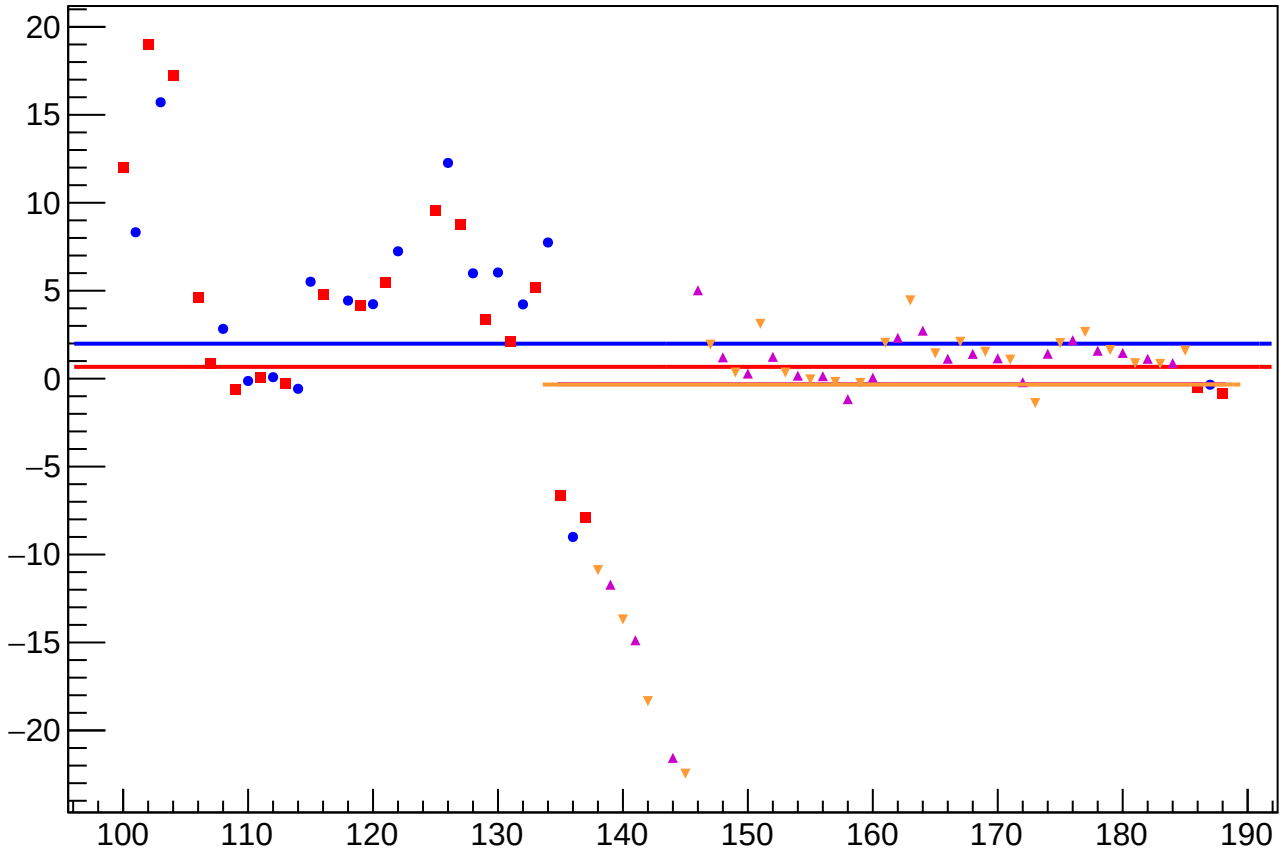
Right Out: 0.208+/-0.018 χ^2/NDF: 1754.8/19

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.233+/-0.010 χ^2/NDF: 7236.7/40

All: 0.174+/-0.007 χ^2/NDF: 16026.5/83

- sign 0.122+/-0.009 χ^2/NDF: 8722.8/42



Right In: 1.989+/-0.021 χ^2/NDF: 70438.6/16

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

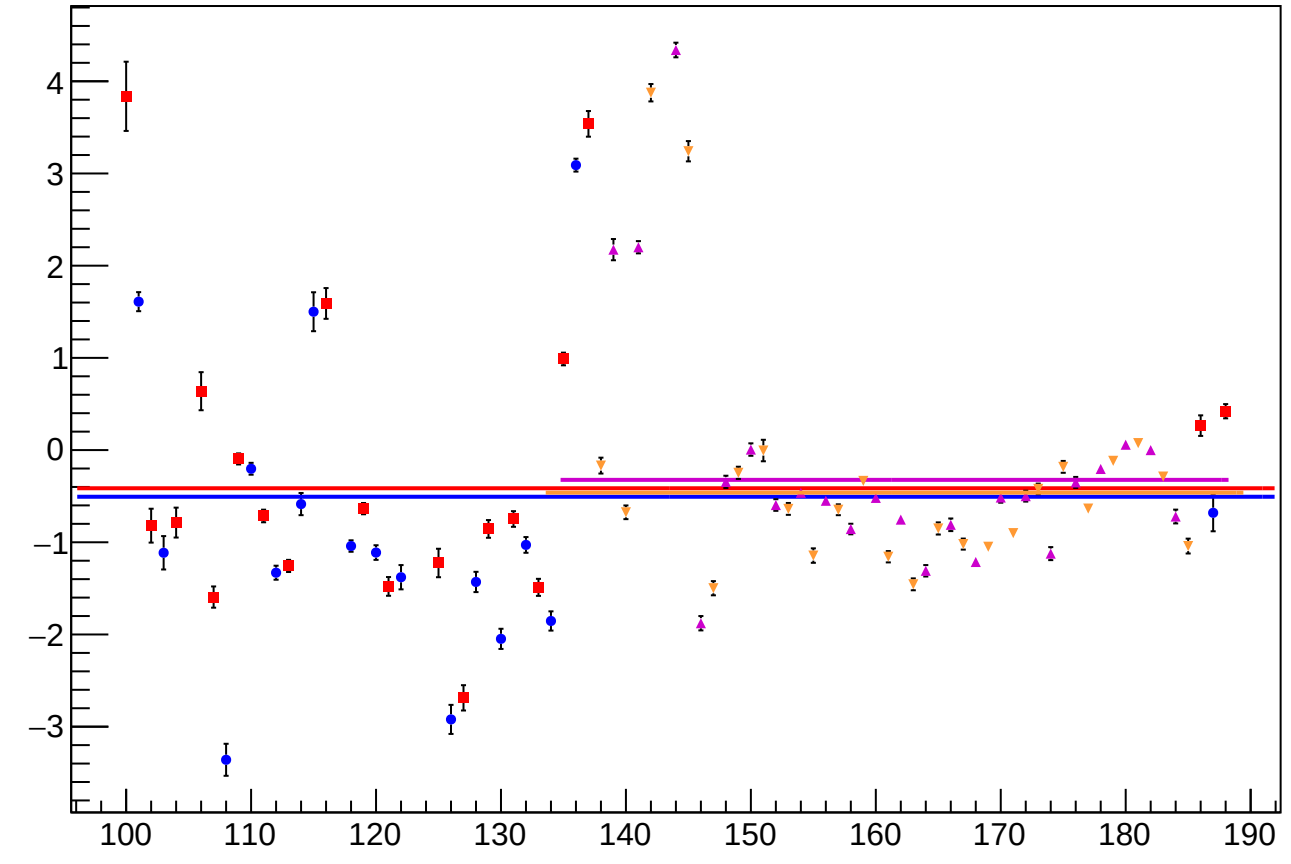
Right Out: 0.671+/-0.016 χ^2/NDF: 78529.2/19

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign 0.363+/-0.012 χ^2/NDF: 203073.3/40

All: 0.216+/-0.008 χ^2/NDF: 411147.9/83

- sign 0.102+/-0.010 χ^2/NDF: 207789.8/42



Right In: -0.506+/-0.024 χ^2/NDF: 4448.0/16

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

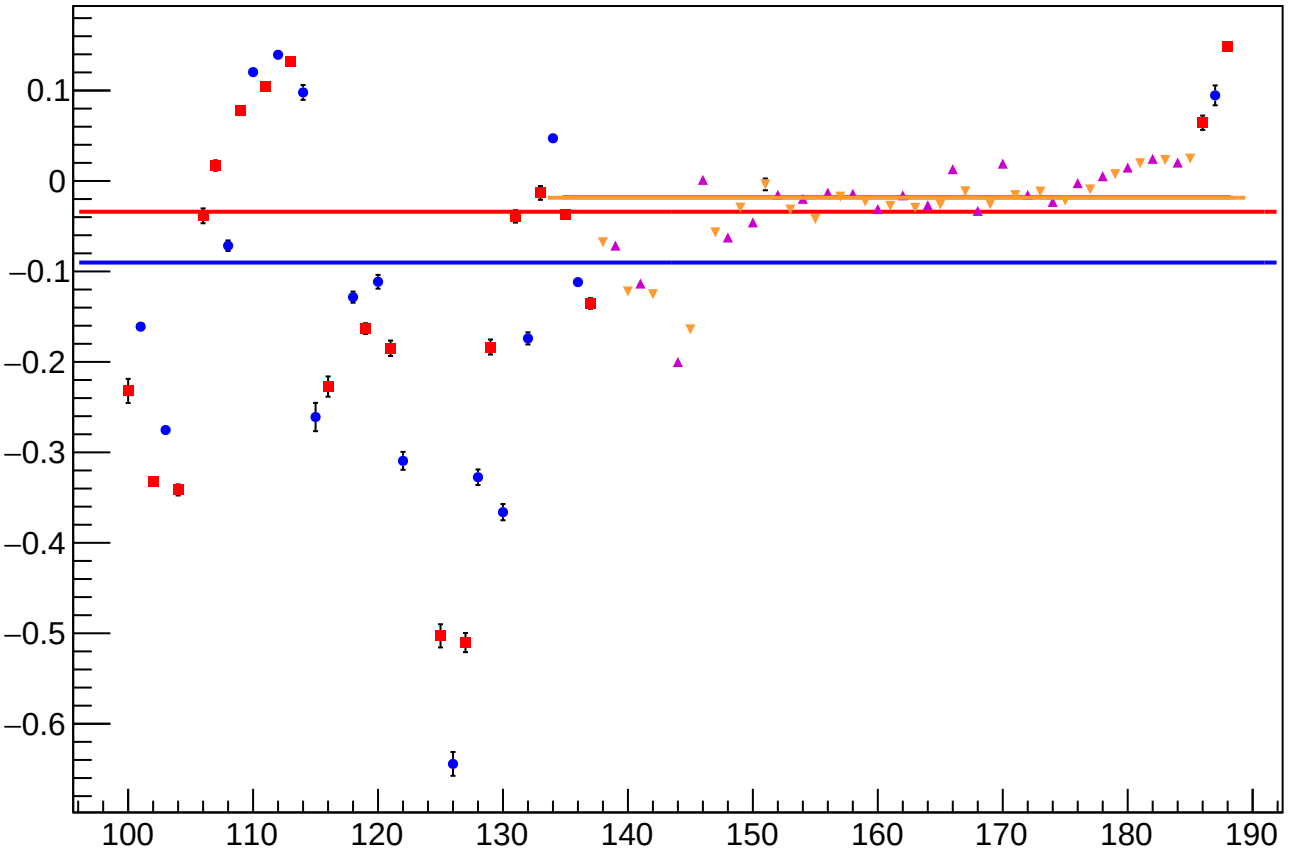
Right Out: -0.414+/-0.021 χ^2/NDF: 2597.0/19

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.471+/-0.011 χ^2/NDF: 9030.8/40

All: -0.404+/-0.008 χ^2/NDF: 18593.1/83

- sign -0.345+/-0.010 χ^2/NDF: 9493.0/42



Right In: -0.090+/-0.001 χ^2/NDF: 12029.3/16

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

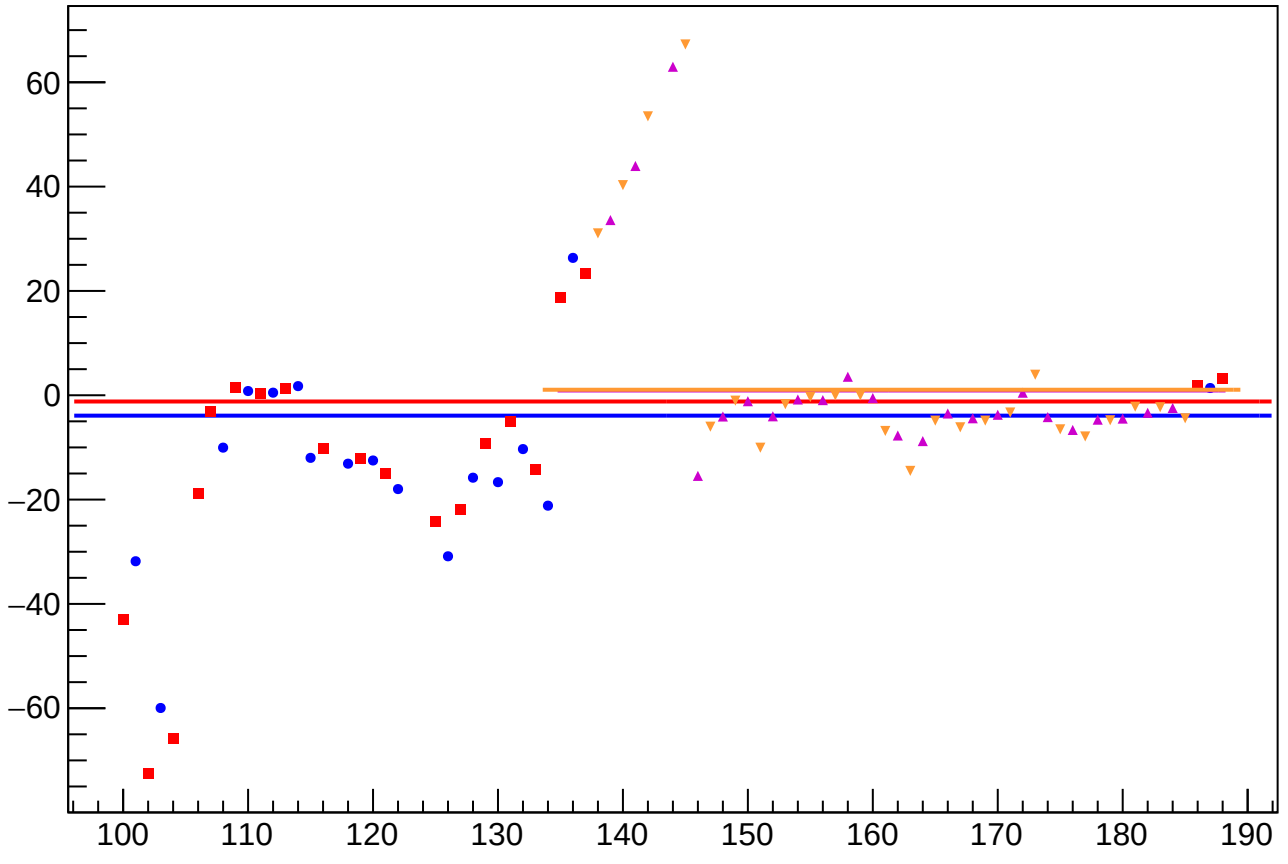
Right Out: -0.034+/-0.001 χ^2/NDF: 17015.3/19

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.028+/-0.001 χ^2/NDF: 18523.0/40

All: -0.024+/-0.000 χ^2/NDF: 40681.2/83

- sign -0.020+/-0.000 χ^2/NDF: 22039.5/42



Right In: -3.909+/-0.053 χ^2/NDF: 75888.4/16

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

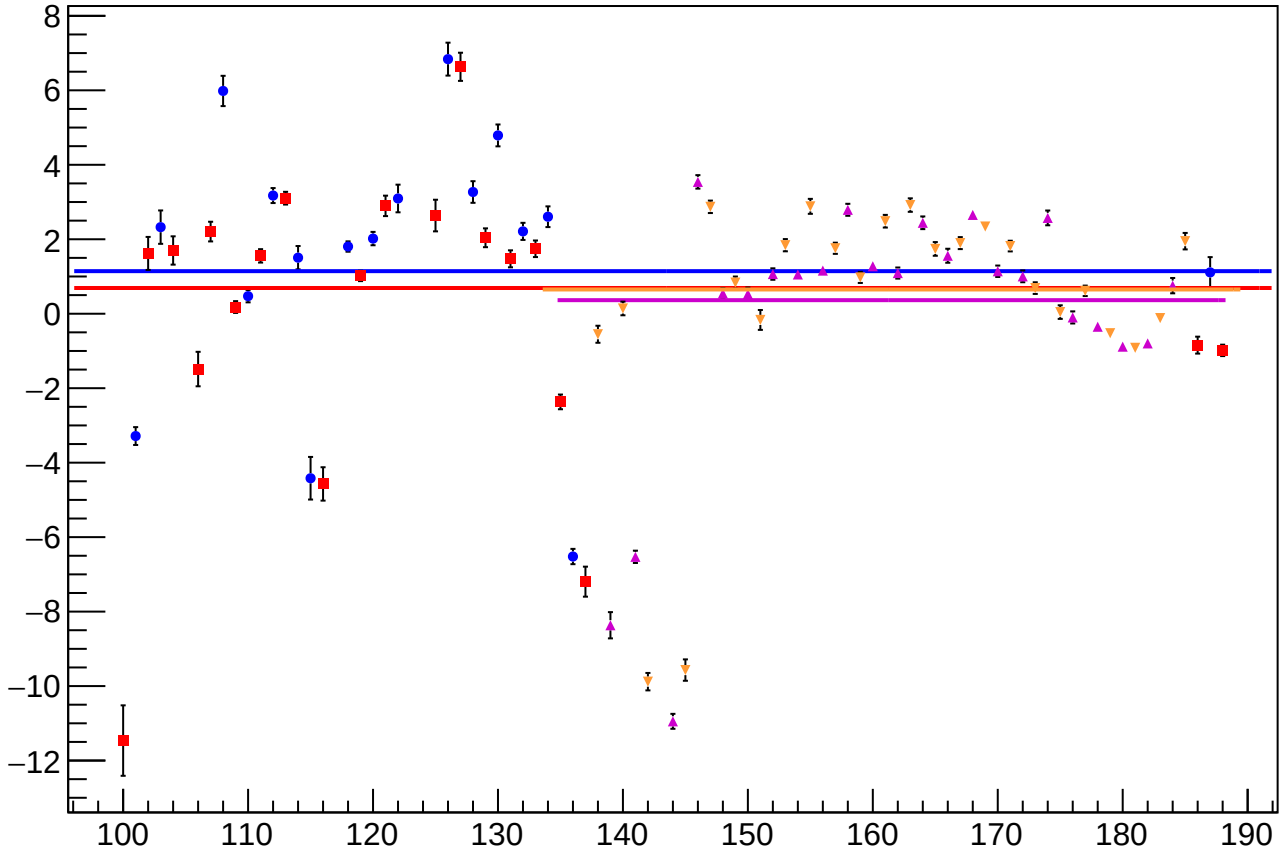
Right Out: -1.197+/-0.041 χ^2/NDF: 82272.2/19

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign -0.769+/-0.032 χ^2/NDF: 212422.0/40

All: -0.399+/-0.021 χ^2/NDF: 429112.2/83

- sign -0.108+/-0.029 χ^2/NDF: 216454.2/42



Right In: 1.144+/-0.059 χ^2/NDF: 2595.3/16

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

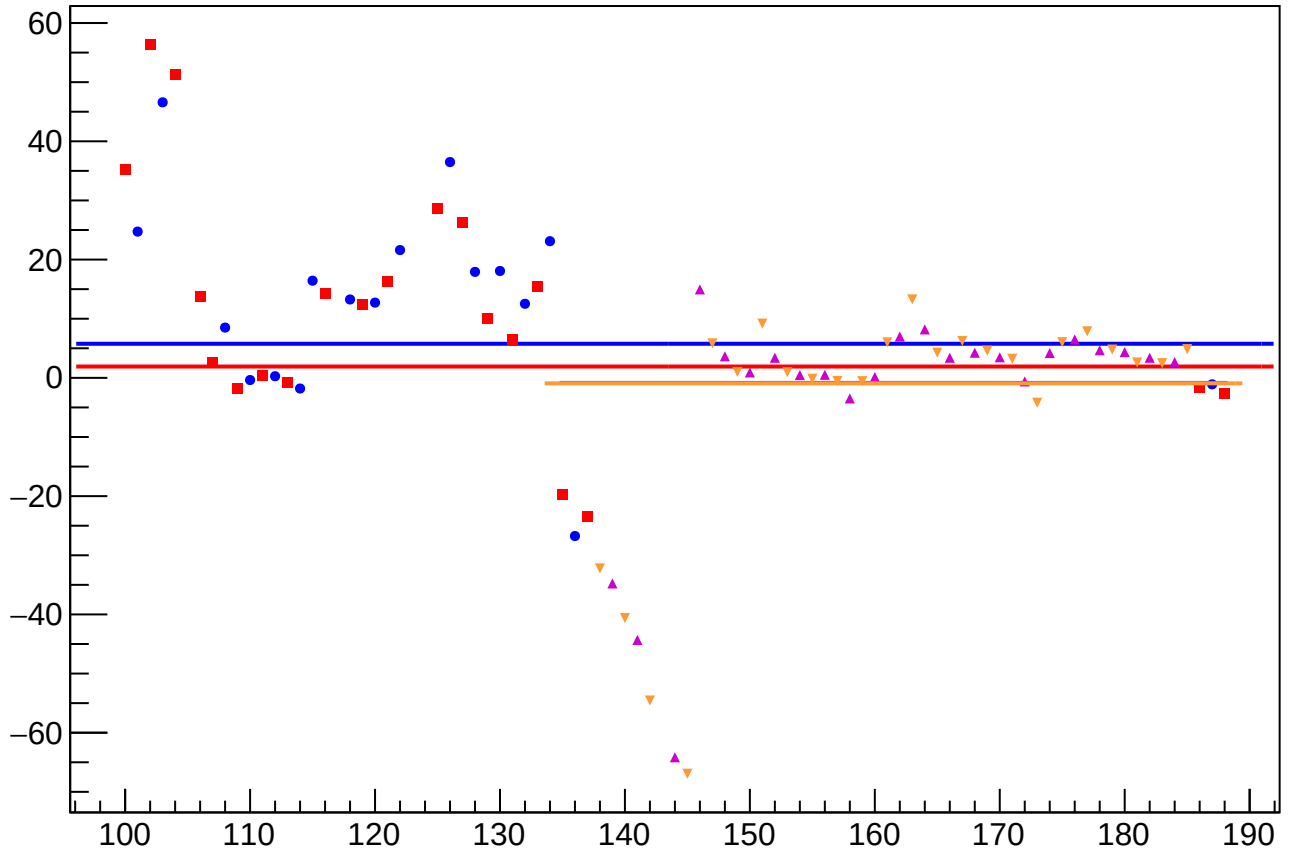
Right Out: 0.691+/-0.052 χ^2/NDF: 1789.4/19

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

\+ sign 0.768+/-0.029 χ^2/NDF: 7356.3/40

All: 0.597+/-0.020 χ^2/NDF: 16361.5/83

\- sign 0.451+/-0.027 χ^2/NDF: 8940.7/42



Right In: 5.766+/-0.062 χ^2/NDF: 72035.1/16

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

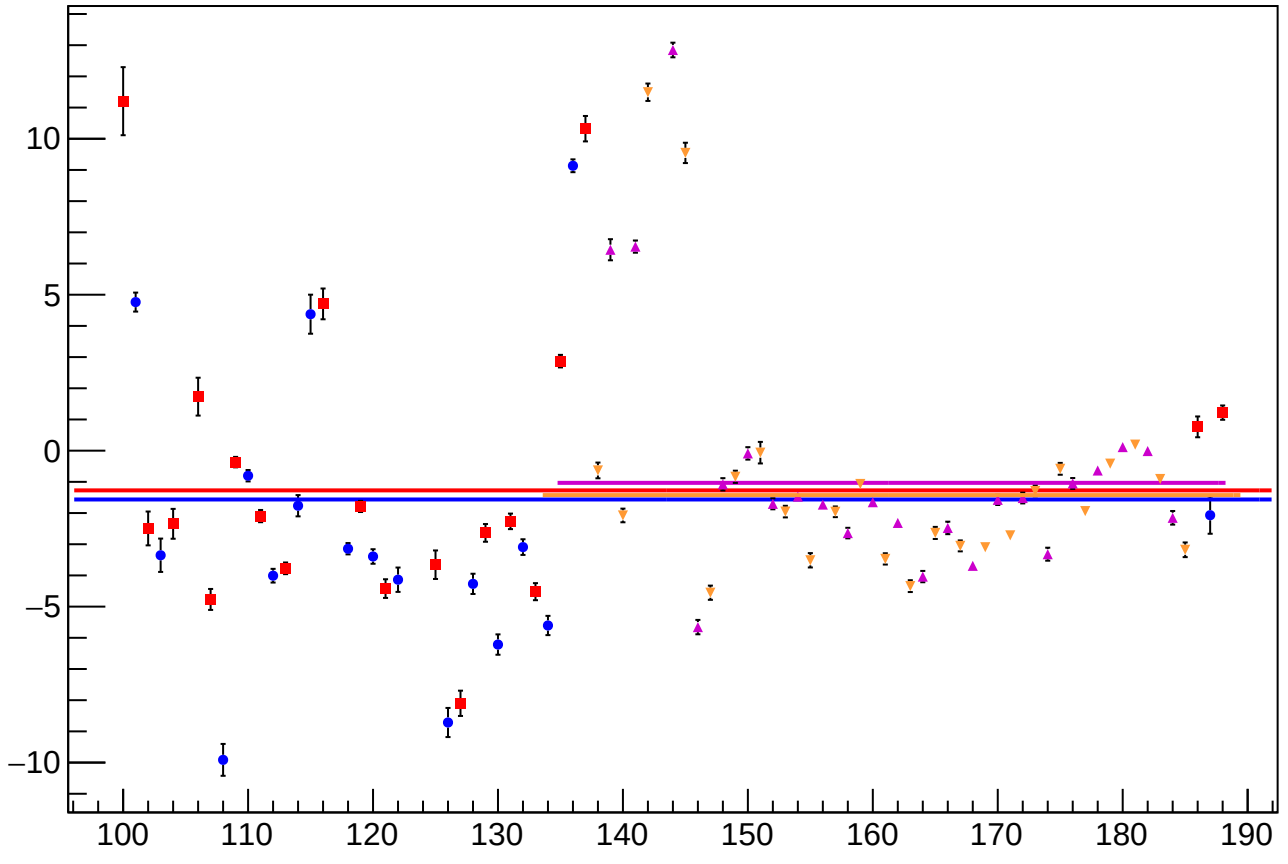
Right Out: 1.916+/-0.046 χ^2/NDF: 79990.3/19

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

\+ sign 1.080+/-0.034 χ^2/NDF: 206585.7/40

All: 0.646+/-0.022 χ^2/NDF: 418465.4/83

\- sign 0.311+/-0.030 χ^2/NDF: 211589.2/42



Right In: -1.565+/-0.069 χ^2/NDF: 4543.8/16

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

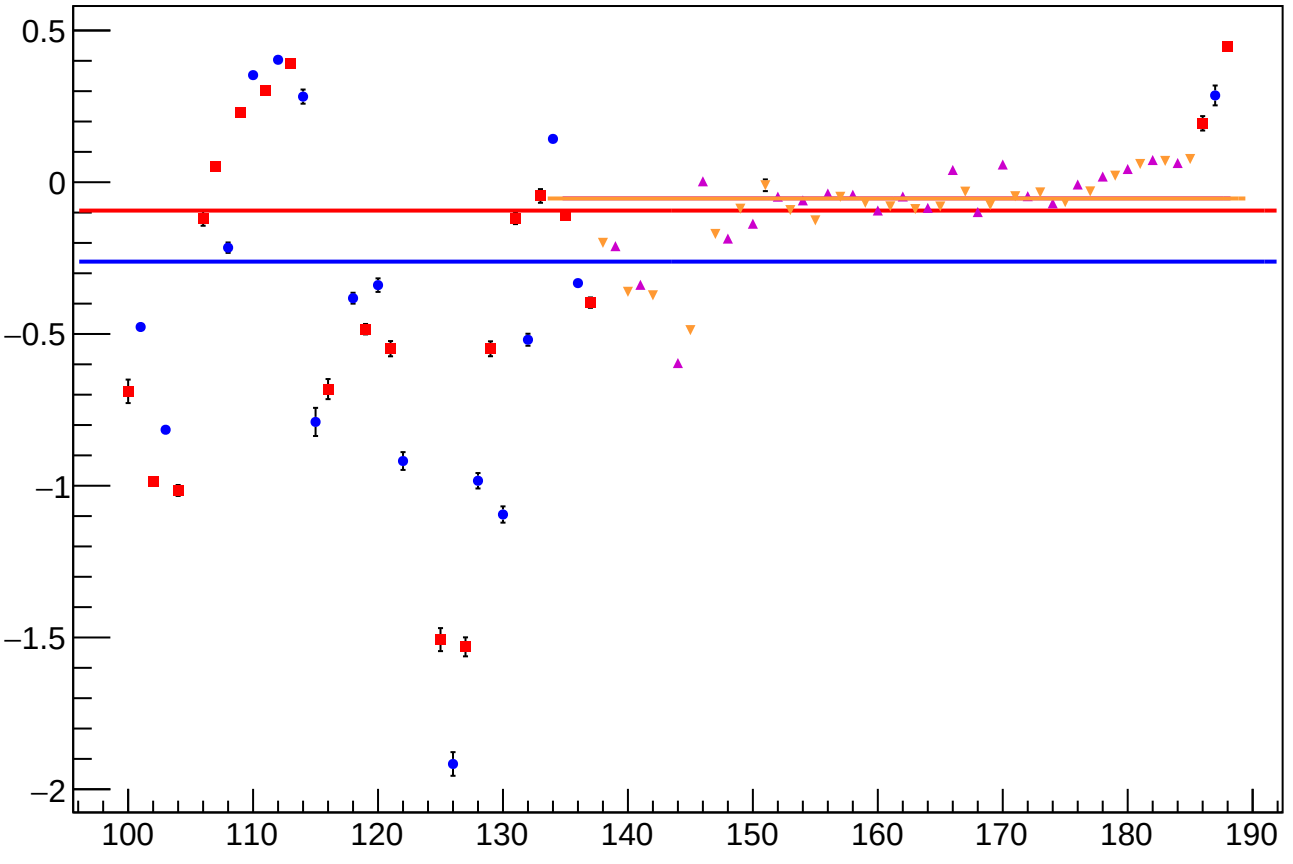
Right Out: -1.273+/-0.061 χ^2/NDF: 2643.7/19

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.456+/-0.032 χ^2/NDF: 9186.7/40

All: -1.261+/-0.022 χ^2/NDF: 18961.5/83

- sign -1.091+/-0.030 χ^2/NDF: 9706.7/42



Right In: -0.262+/-0.004 χ^2/NDF: 12381.8/16

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

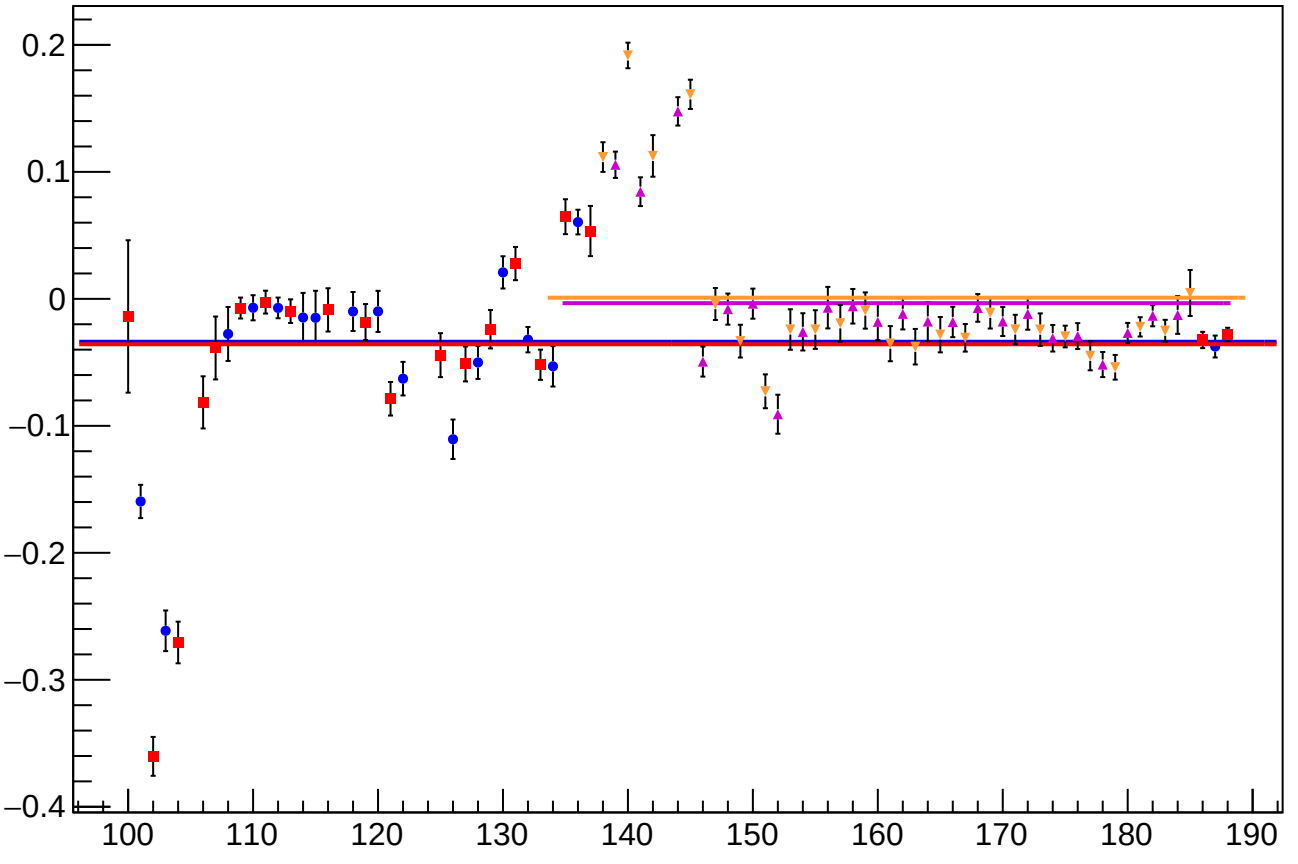
Right Out: -0.093+/-0.004 χ^2/NDF: 17553.9/19

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.081+/-0.001 χ^2/NDF: 18954.8/40

All: -0.069+/-0.001 χ^2/NDF: 41746.2/83

- sign -0.059+/-0.001 χ^2/NDF: 22676.0/42



Right In: -0.034+/-0.003 χ^2/NDF: 463.7/16

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

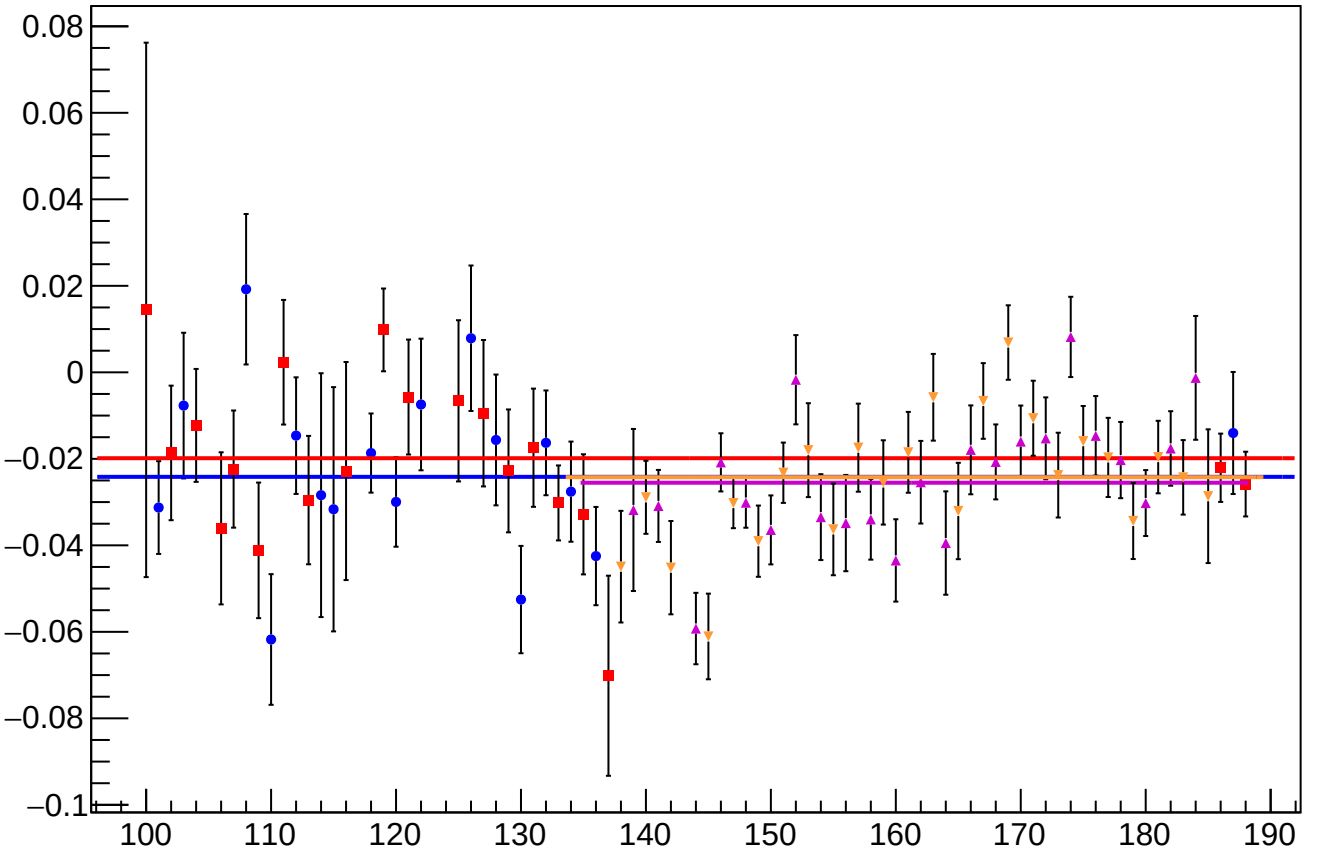
Right Out: -0.036+/-0.003 χ^2/NDF: 811.0/19

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.013+/-0.002 χ^2/NDF: 1394.7/40

All: -0.016+/-0.001 χ^2/NDF: 2756.0/83

- sign -0.019+/-0.002 χ^2/NDF: 1355.2/42



Right In: -0.024+/-0.003 χ^2/NDF: 29.1/16

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.020+/-0.003 χ^2/NDF: 25.6/19

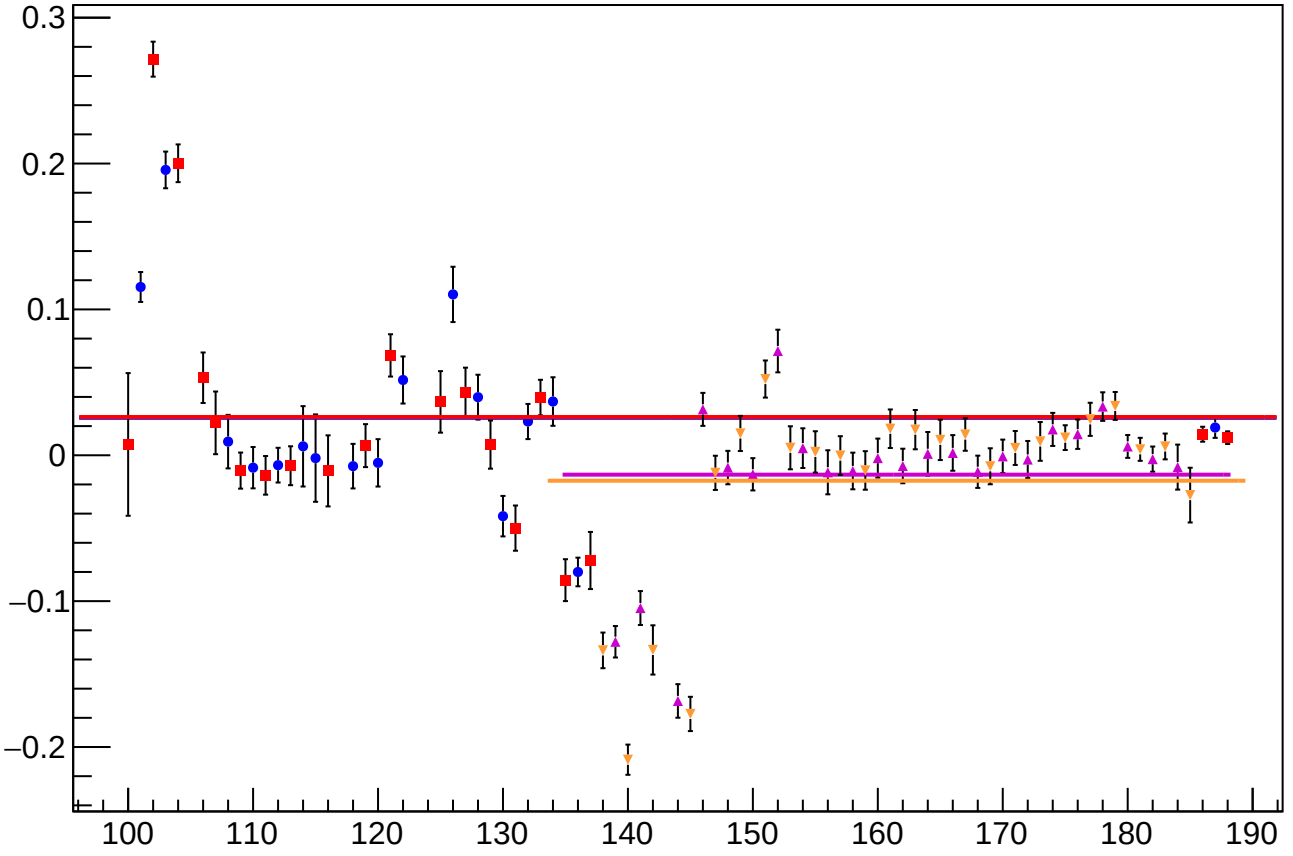
Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 82.8/40

All: -0.024+/-0.001 χ^2/NDF: 166.2/83

- sign -0.024+/-0.002 χ^2/NDF: 83.4/42

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.026+/-0.003 χ^2/NDF: 447.2/16

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

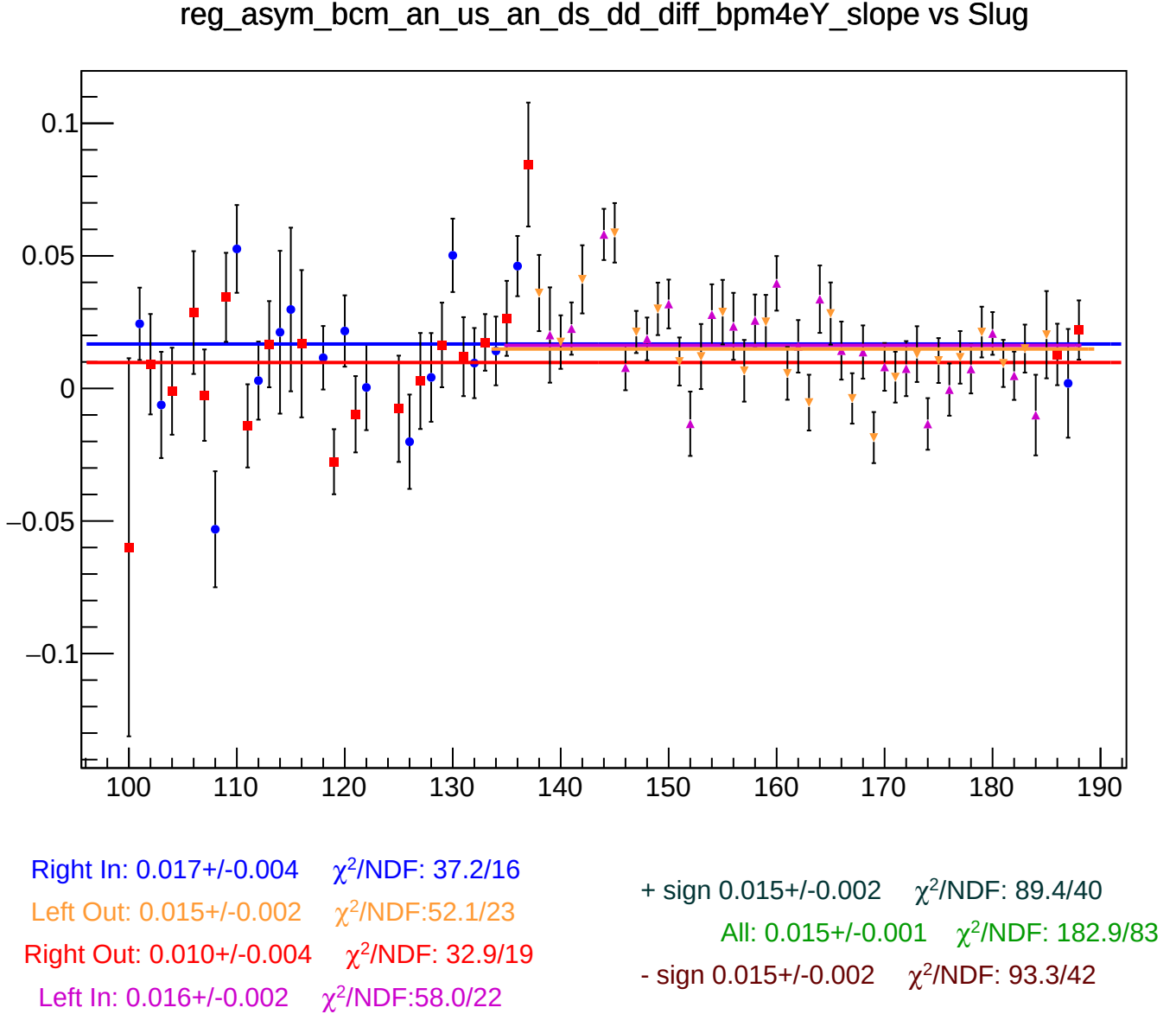
Right Out: 0.026+/-0.002 χ^2/NDF: 768.1/19

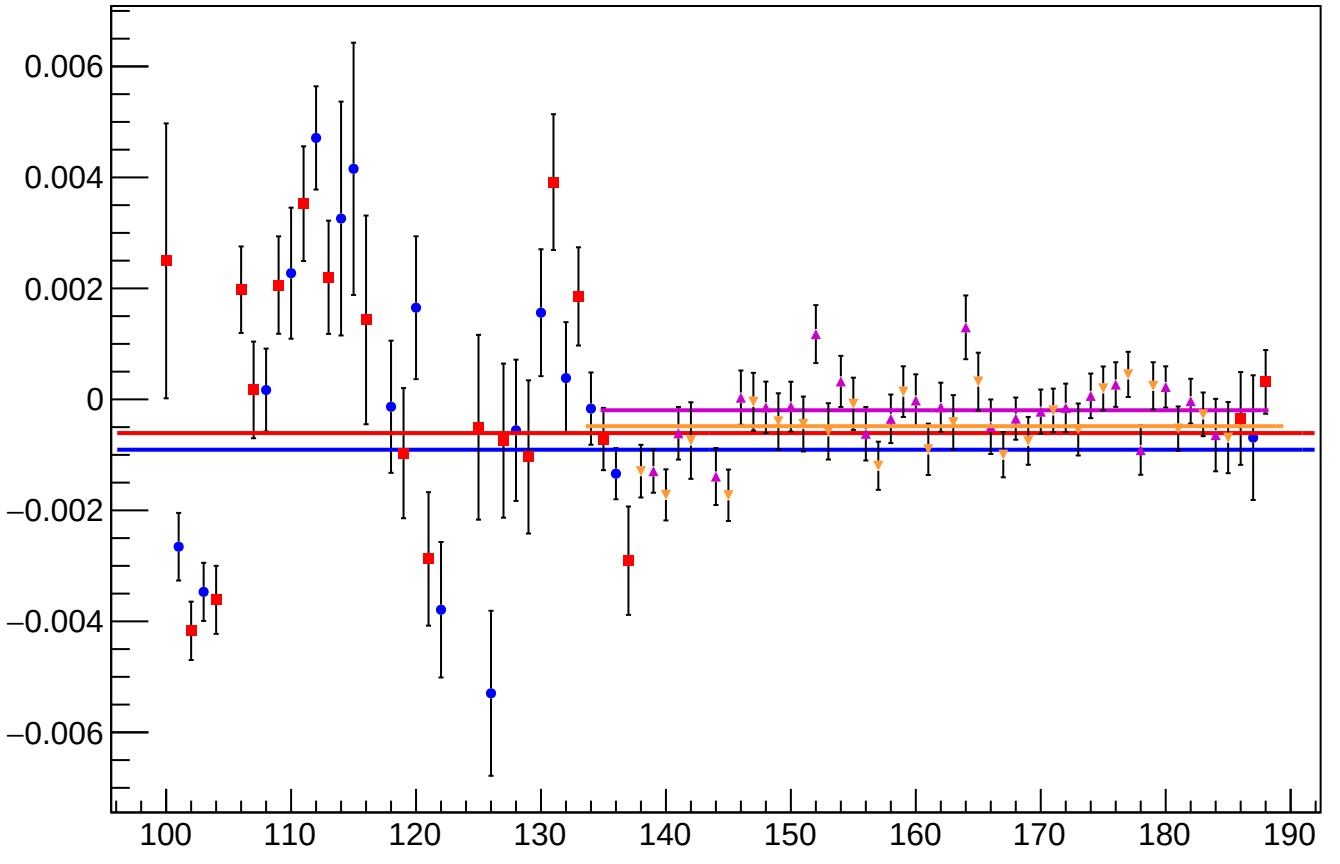
Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.002+/-0.002 χ^2/NDF: 1376.7/40

All: 0.002+/-0.001 χ^2/NDF: 2746.6/83

- sign 0.006+/-0.002 χ^2/NDF: 1360.3/42


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
190
Right In: 0.017+/-0.004 χ²/NDF: 37.2/16
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.010+/-0.004 χ²/NDF: 32.9/19
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
+ sign 0.015+/-0.002 χ²/NDF: 89.4/40
All: 0.015+/-0.001 χ²/NDF: 182.9/83
- sign 0.015+/-0.002 χ²/NDF: 93.3/42



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

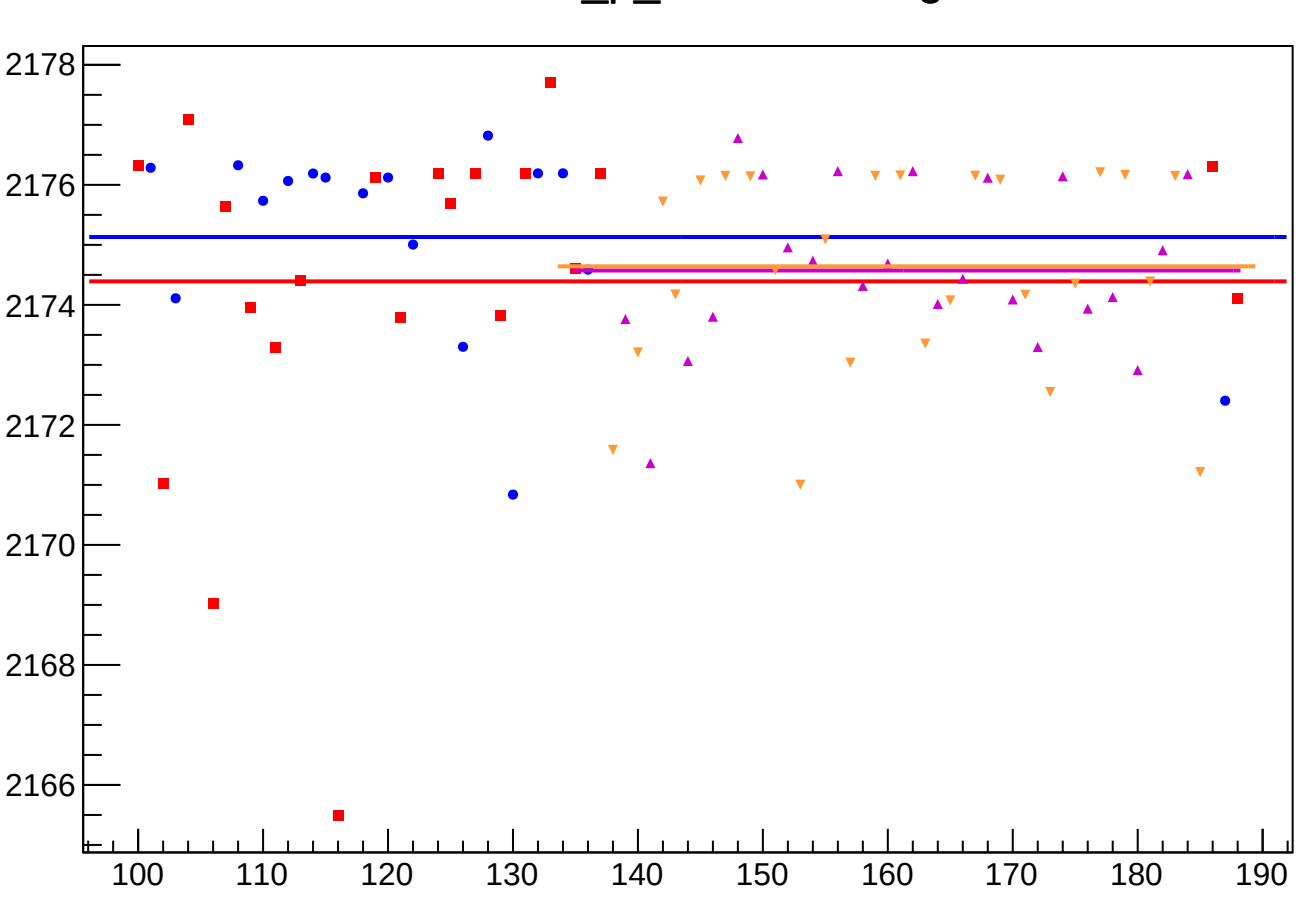
Right Out: -0.001+/-0.000 χ^2/NDF: 150.7/19

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.001+/-0.000 χ^2/NDF: 158.4/40

All: -0.000+/-0.000 χ^2/NDF: 355.5/83

- sign -0.000+/-0.000 χ^2/NDF: 191.6/42



Right In: 2175.131+/-0.000 χ^2/NDF: 191078996952697363009681250005811 2.0/16

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

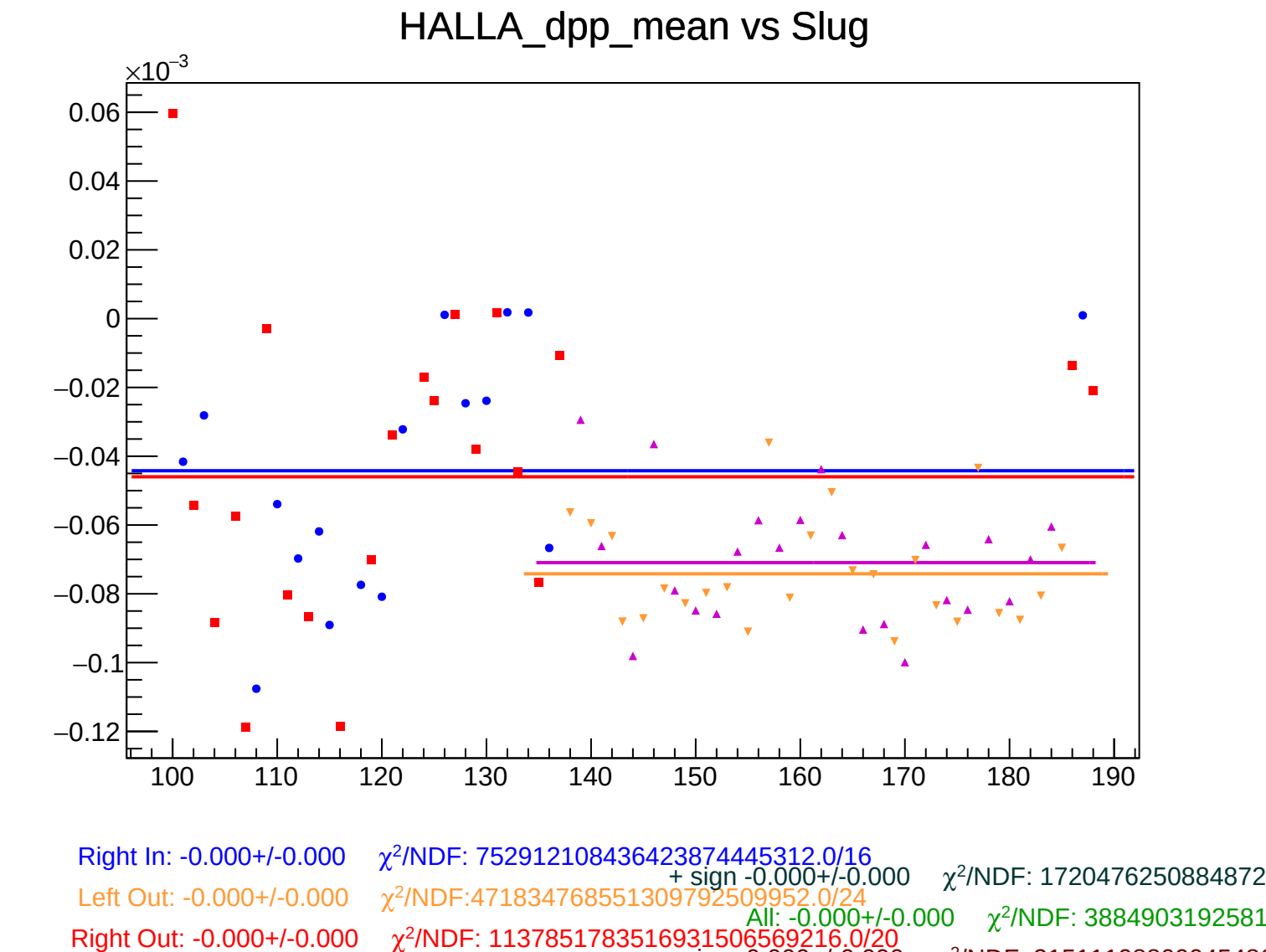
Right Out: 2174.392+/-0.000 χ^2/NDF: 57082692105556374847098312248524 80.0/20

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

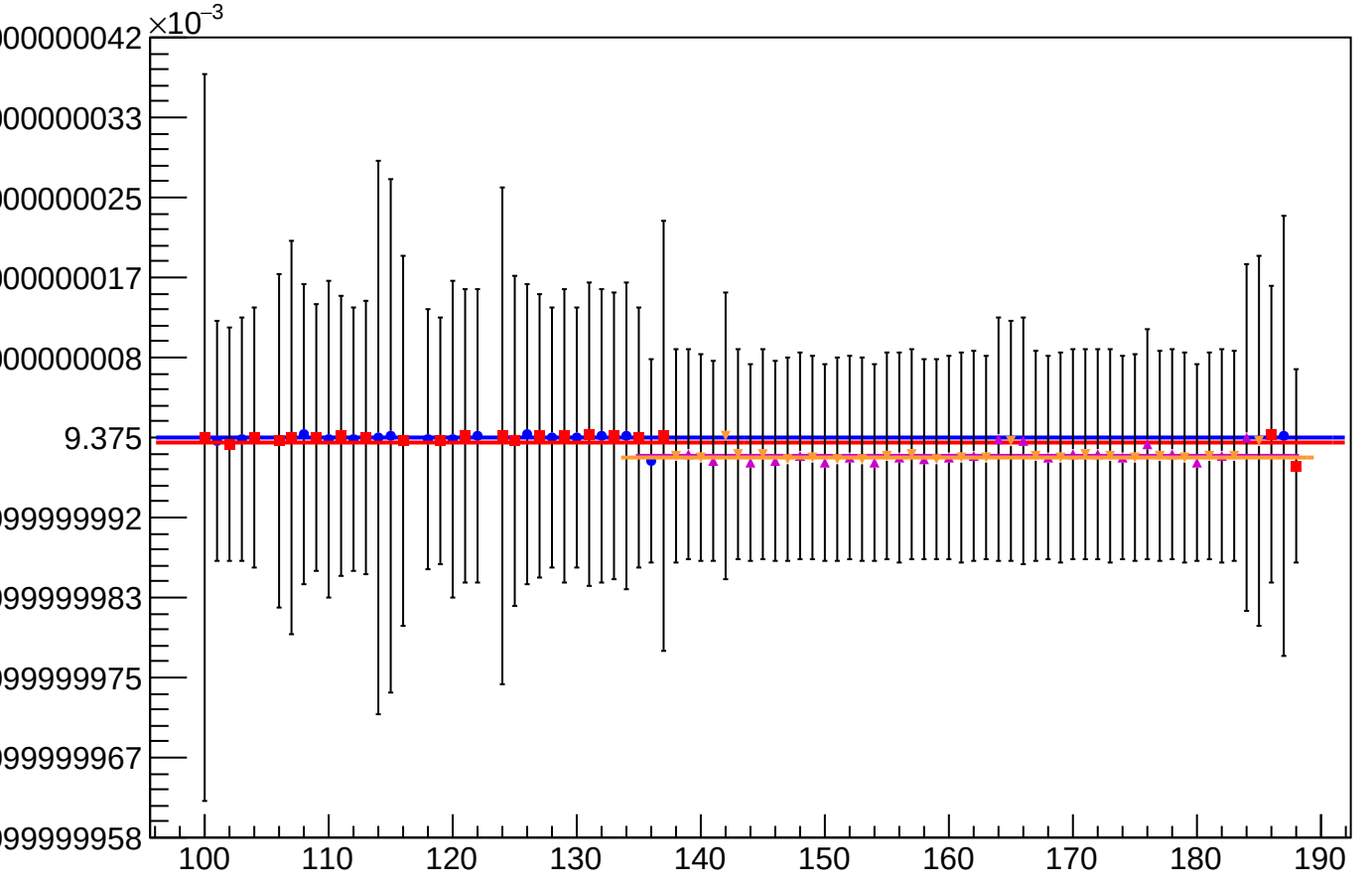
+ sign 2174.776+/-0.000 χ^2/NDF: 7254206680724

All: 2174.645+/-0.000 χ^2/NDF: 165095844 71

- sign 2174.514+/-0.000 χ^2/NDF: 91596802349776


HALLA_dpp_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 7529121084364238744453120/16
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: -0.000+/-0.000 χ²/NDF: 1137851783516931506569216.0/20
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 1720476250884872
All: -0.000+/-0.000 χ²/NDF: 3884903192581
- sign -0.000+/-0.000 χ²/NDF: 21511198809045486

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/20

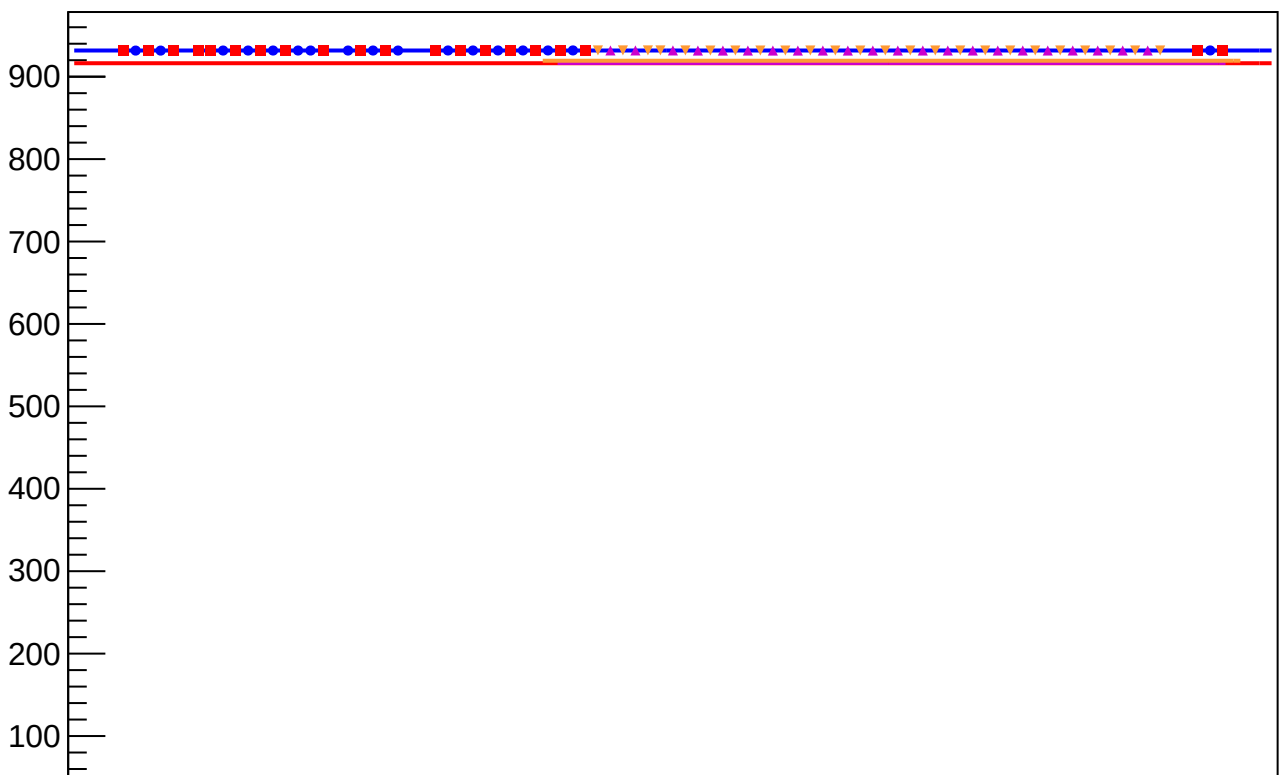
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/41

All: 0.009+/-0.000 χ^2/NDF: 0.6/85

- sign 0.009+/-0.000 χ^2/NDF: 0.3/43

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.771+/-0.000 χ^2/NDF: 284665478086895754686814276812 8.0/16

+ sign 922.746+/-0.000 χ^2/NDF: 231063354496552

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812 43648.0/24

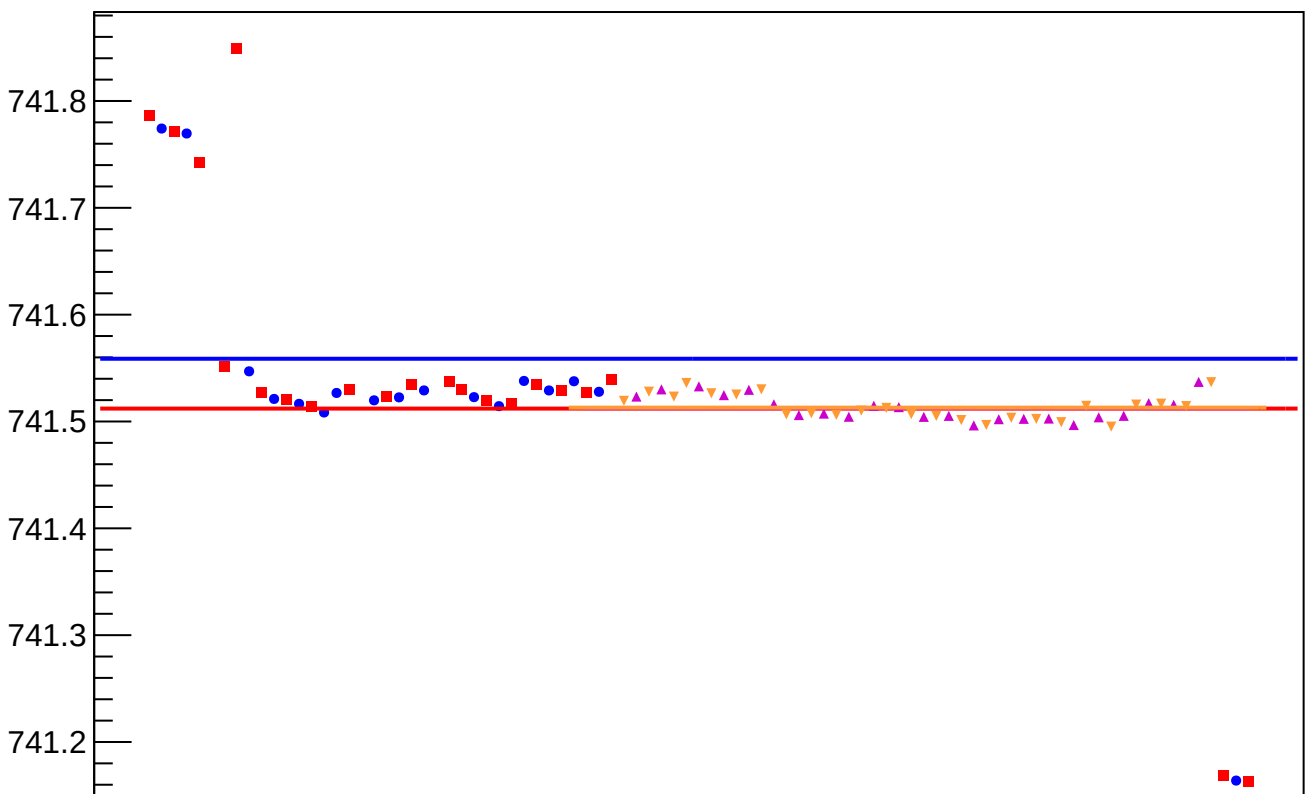
All: 919.630+/-0.000 χ^2/NDF: 623361665061

Right Out: 916.334+/-0.000 χ^2/NDF: 128063983815778379035364008150140190 72.0/20

- sign 916.551+/-0.000 χ^2/NDF: 391762064296780

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.559+/-0.000 χ^2/NDF: 947090452511535159119197713203 2.0/16

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005 12.0/24

Right Out: 741.512+/-0.000 χ^2/NDF: 2803532256773596215195553339801 6.0/20

Left In: 741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

+ sign 741.525+/-0.000 χ^2/NDF: 108793072124722

All: 741.519+/-0.000 χ^2/NDF: 393881757452

- sign 741.512+/-0.000 χ^2/NDF: 282701761418949

HacL_Q3_HP3458A_IOUT_mean vs Slug

Right In: 980.804+/-0.000 χ^2/NDF: 9342394201596214238803530874880.0/16

+ sign 971.268+/-0.000 χ^2/NDF: 256002964254116

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

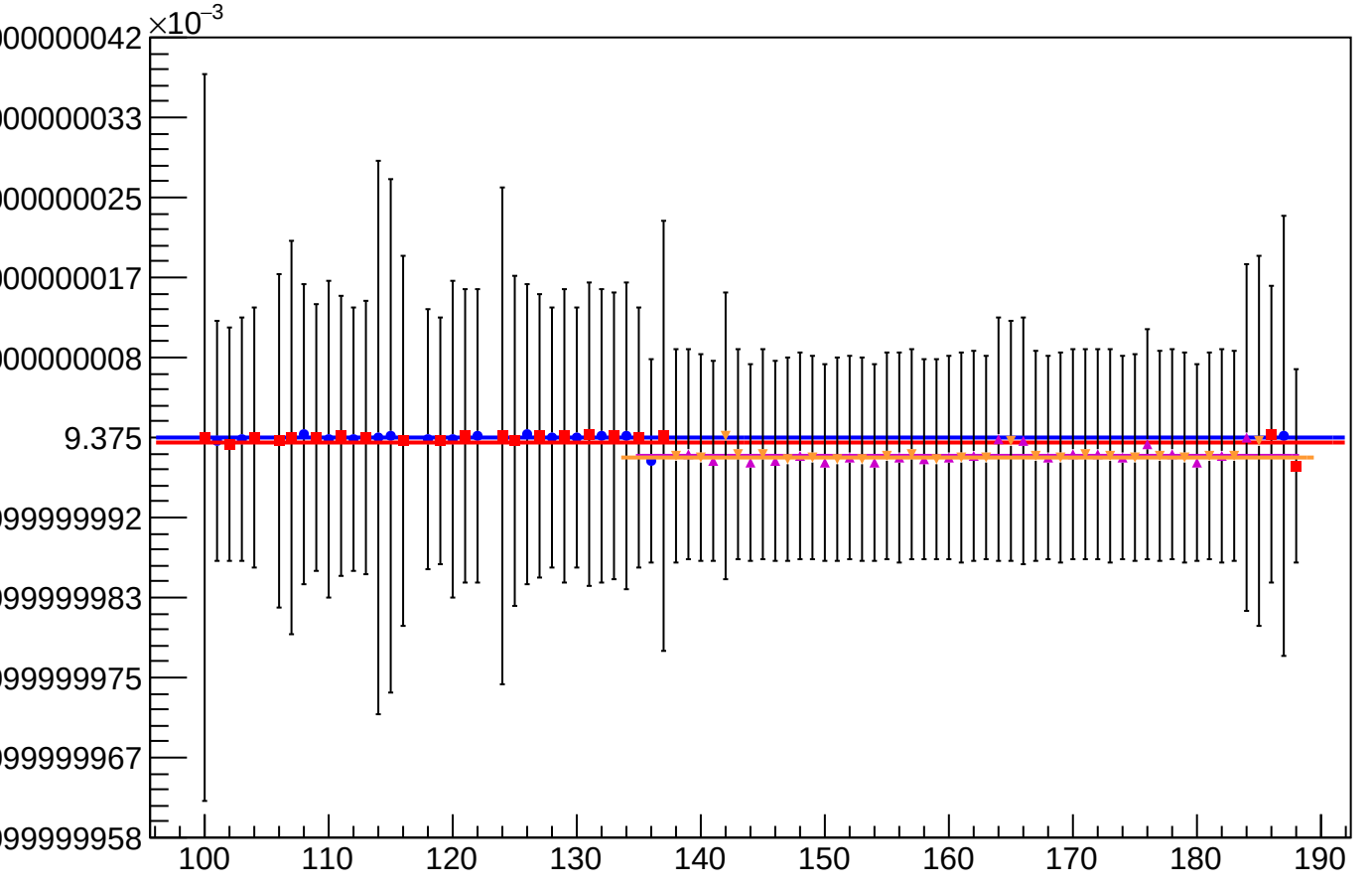
All: 970.617+/-0.000 χ^2/NDF: 54973730211

Right Out: 980.757+/-0.000 χ^2/NDF: 6163263749204714166357262860288 0.0/20

- sign 969.974+/-0.000 χ^2/NDF: 293710943307441

Left In: 964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501657 6.0/22

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/20

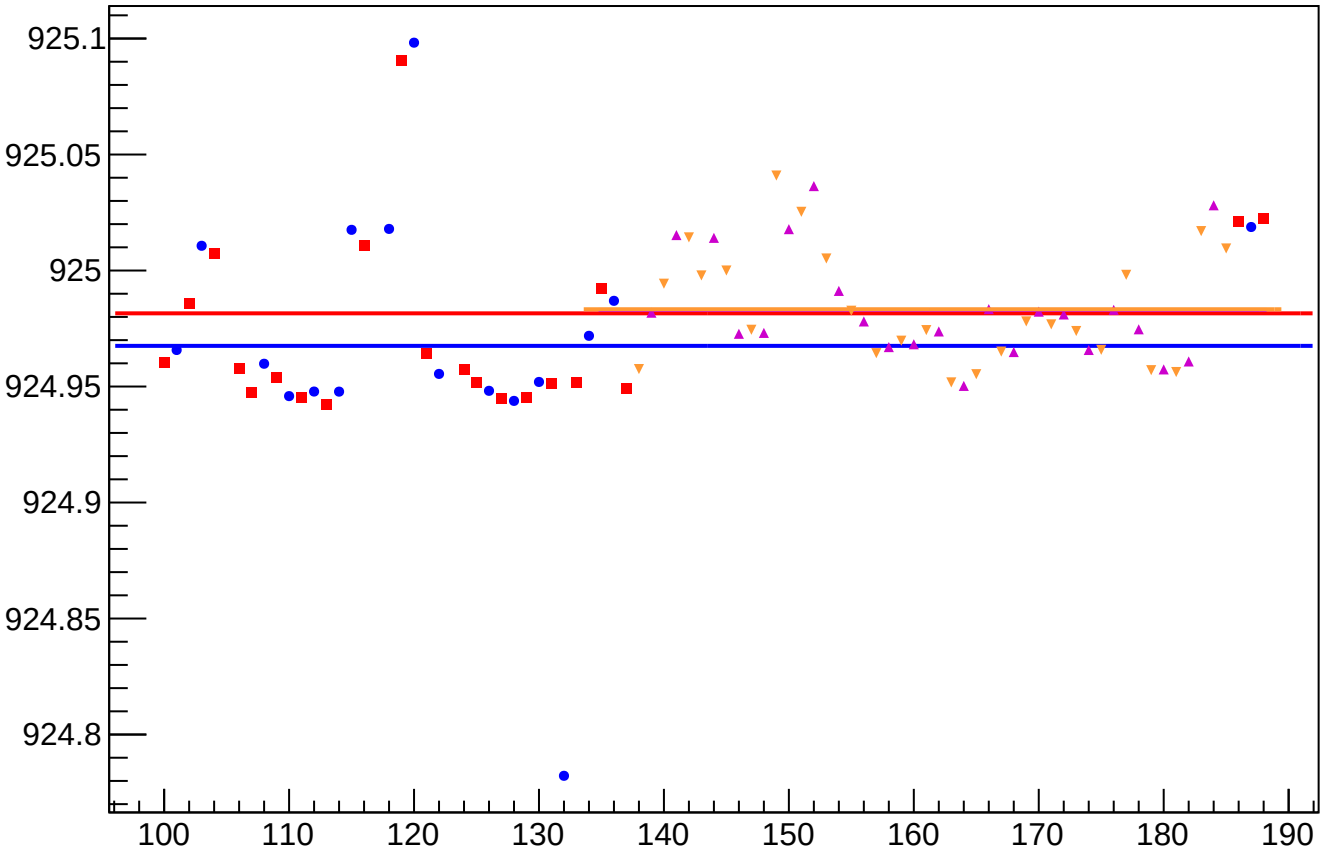
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/41

All: 0.009+/-0.000 χ^2/NDF: 0.6/85

- sign 0.009+/-0.000 χ^2/NDF: 0.3/43

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.968+/-0.000 χ^2/NDF: 259552584341615472852040941568O.0/16

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.982+/-0.000 χ^2/NDF: 151613864776108157946391062118 4.0/20

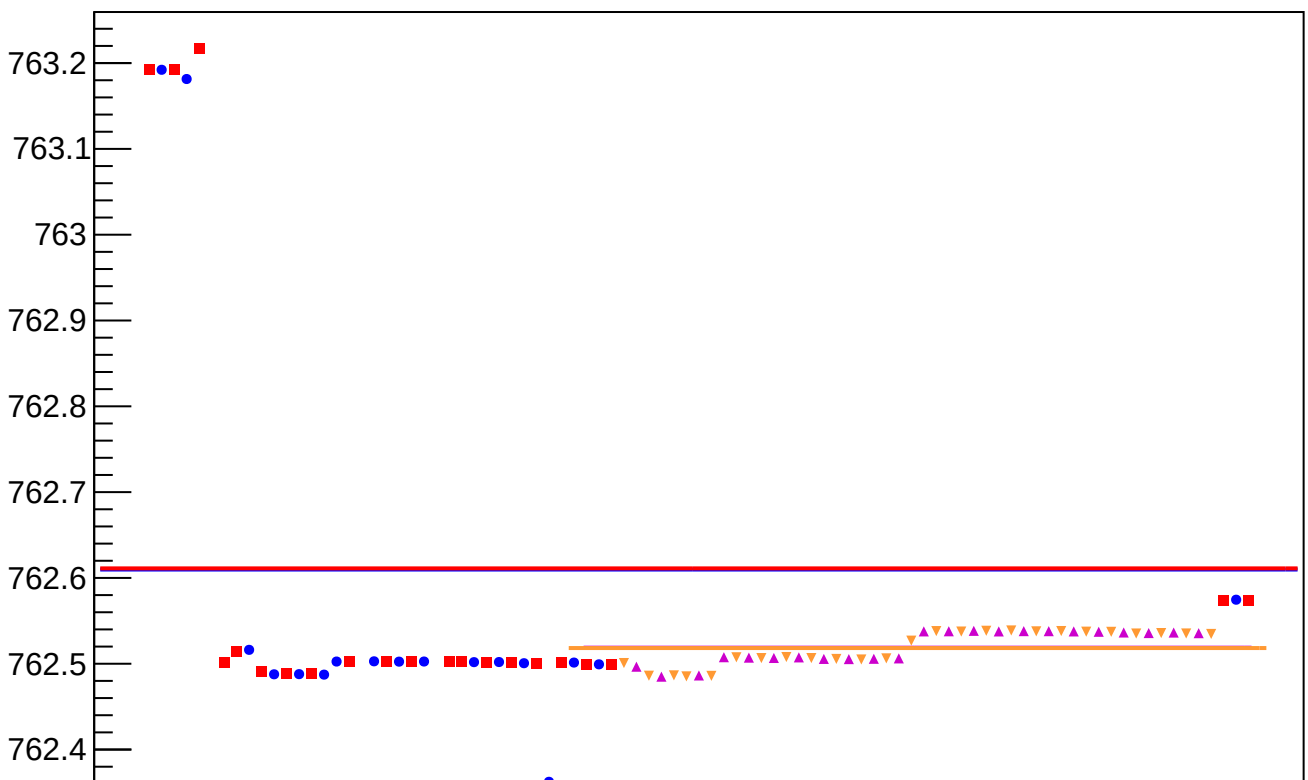
Left In: 924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

+ sign 924.979+/-0.000 χ^2/NDF: 389414420835876

All: 924.981+/-0.000 χ^2/NDF: 635745256576

- sign 924.983+/-0.000 χ^2/NDF: 244571713057139

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.610+/-0.000 χ^2/NDF: 52185551038274865981171748044800.0/16

+ sign 762.543+/-0.000 χ^2/NDF: 575760618926291

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

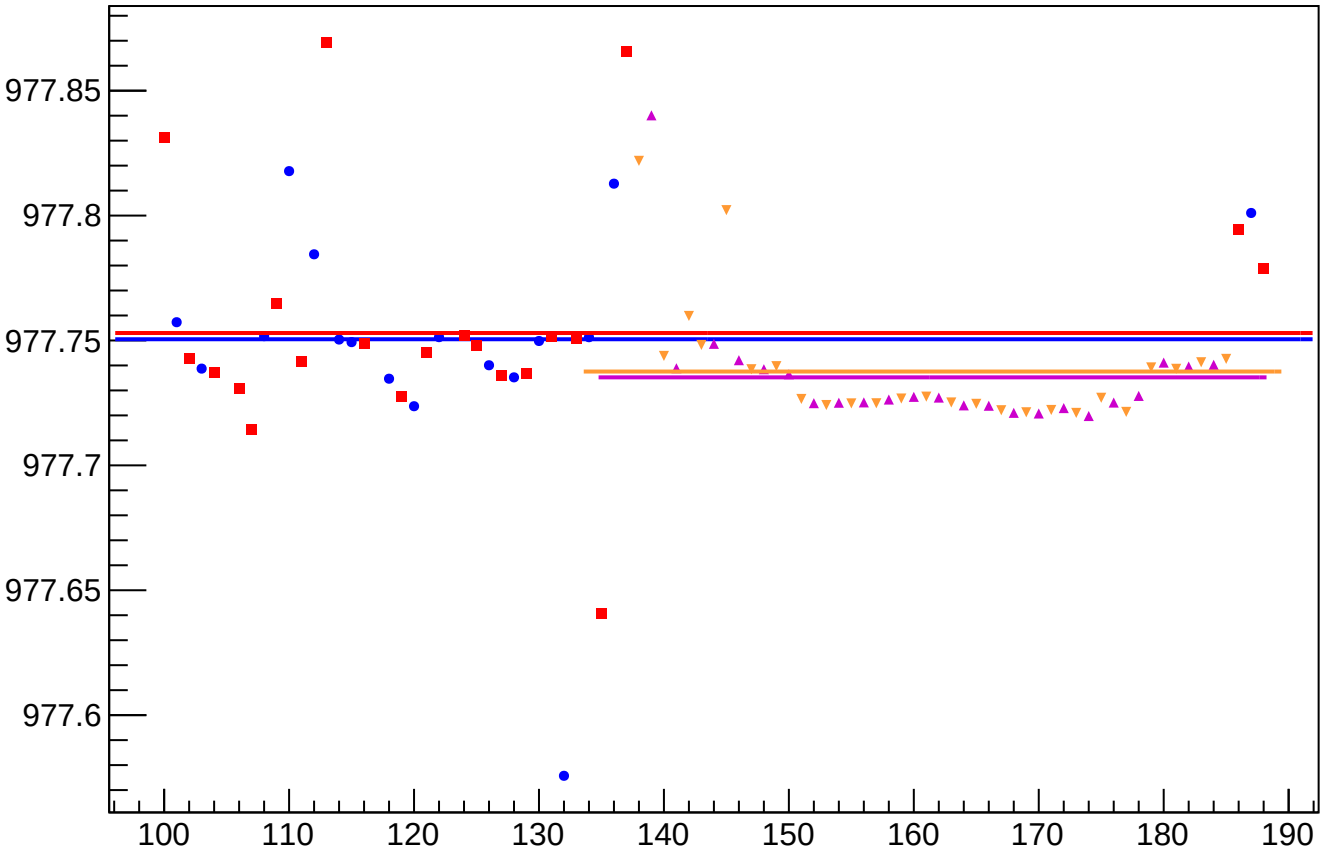
All: 762.546+/-0.000 χ^2/NDF: 11688952518

Right Out: 762.611+/-0.000 χ^2/NDF: 5336689703668051949479715143680 0.0/20

- sign 762.548+/-0.000 χ^2/NDF: 592763212191358

Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.750+/-0.000 χ^2/NDF: 20093942906426254941501364633600.0/16

Left Out: 977.738+/-0.000 χ^2/NDF:11784078725663365723250009047040.0/24

Right Out: 977.753+/-0.000 χ^2/NDF: 19465007490040243939497297838080.0/20

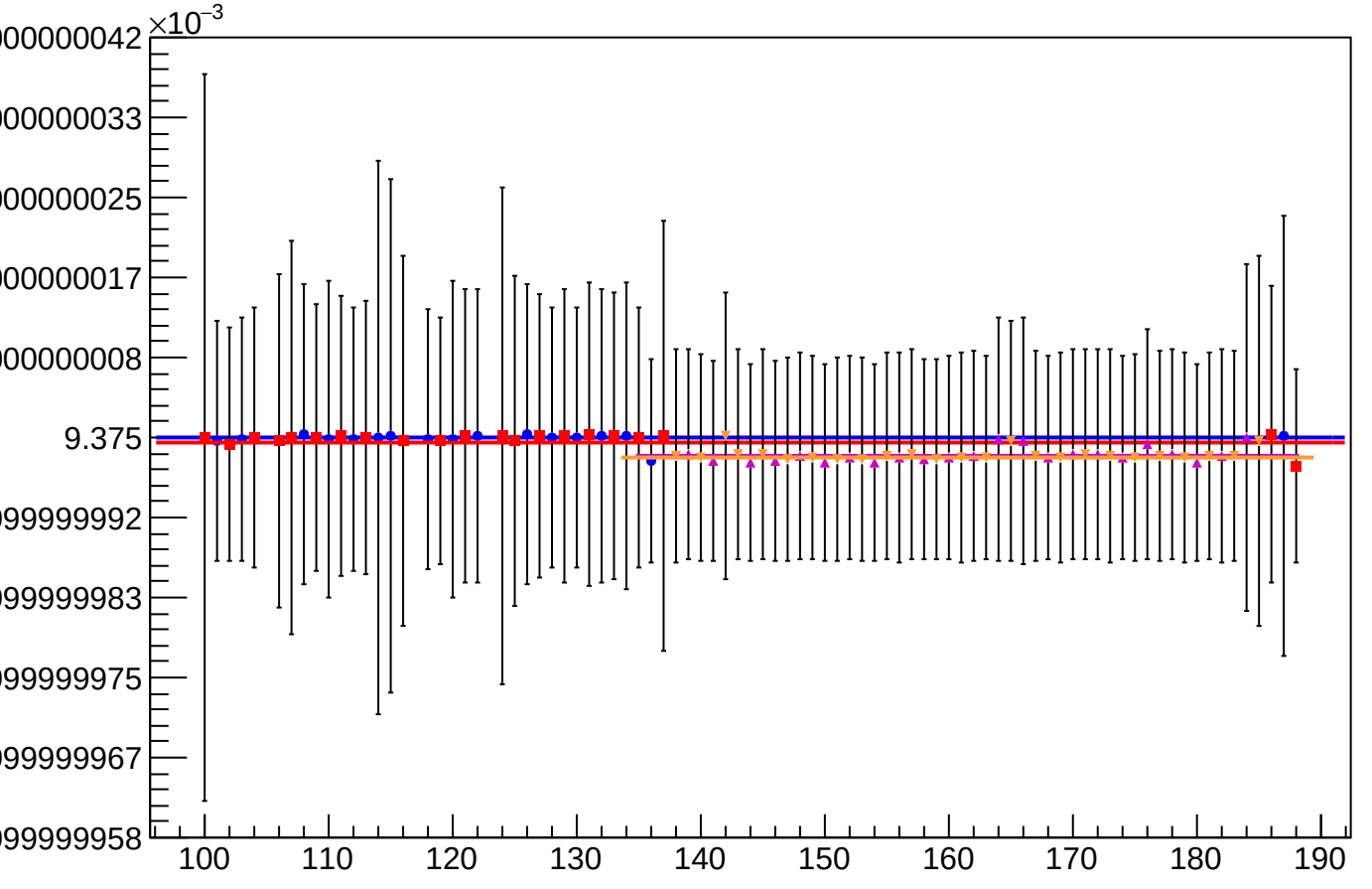
Left In: 977.735+/-0.000 χ^2/NDF:10967664376054172546270725406720.0/22

+ sign 977.741+/-0.000 χ^2/NDF: 328004524578066

All: 977.741+/-0.000 χ^2/NDF: 651673818864

- sign 977.741+/-0.000 χ^2/NDF: 323666135808786

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/20

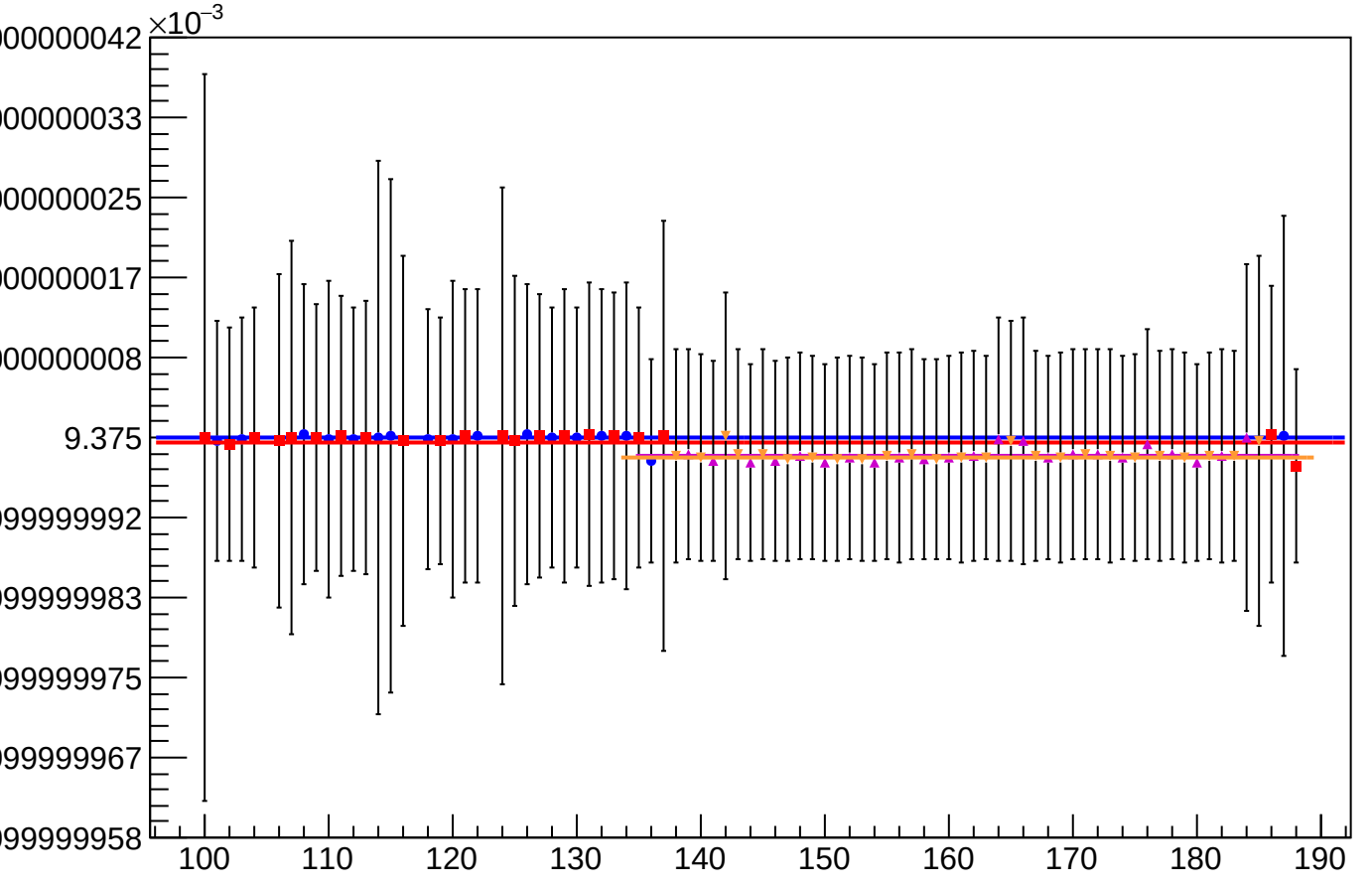
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

\+ sign 0.009+/-0.000 χ^2/NDF: 0.2/41

All: 0.009+/-0.000 χ^2/NDF: 0.6/85

\- sign 0.009+/-0.000 χ^2/NDF: 0.3/43

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/20

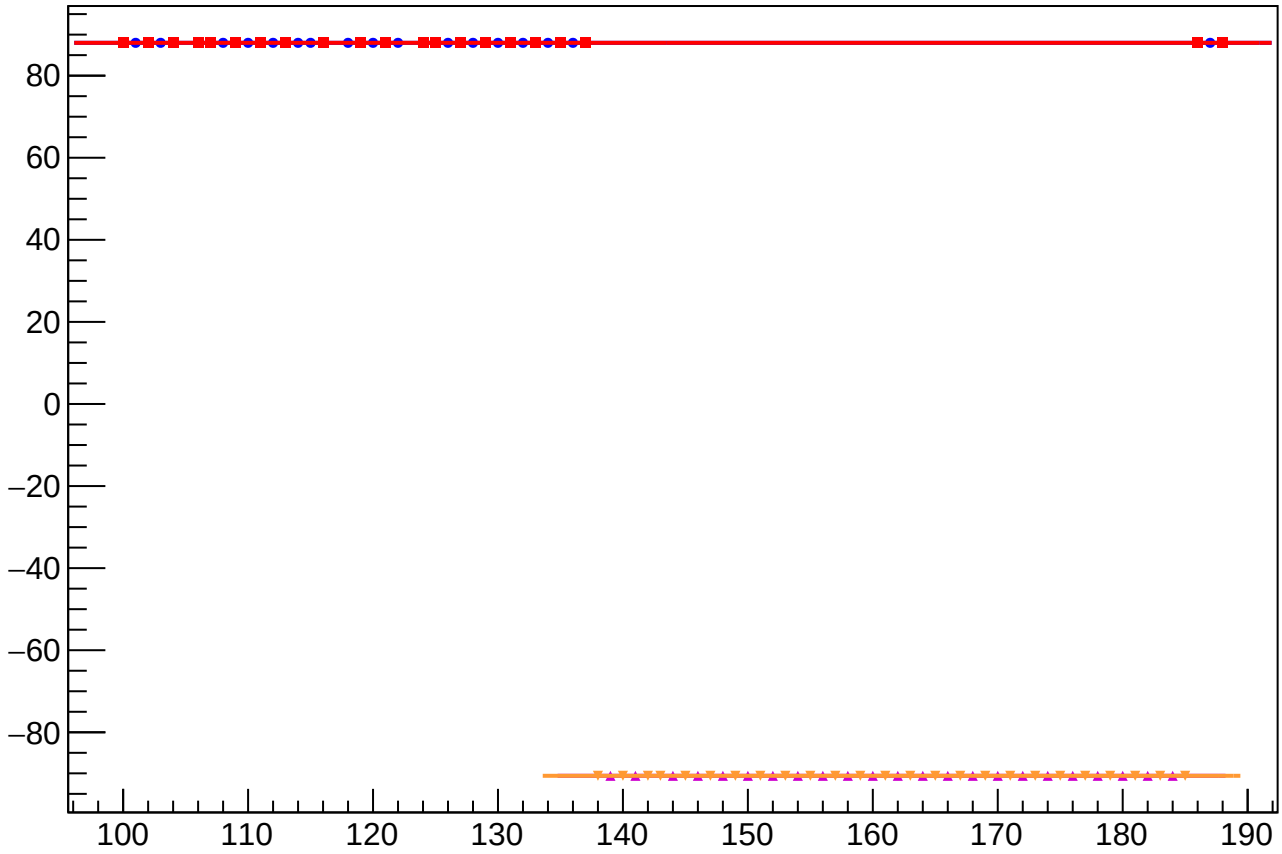
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/41

All: 0.009+/-0.000 χ^2/NDF: 0.6/85

- sign 0.009+/-0.000 χ^2/NDF: 0.3/43

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 1583275.4/16

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: 88.003+/-0.000 χ^2/NDF: 74102161354603959367642382336.0/20

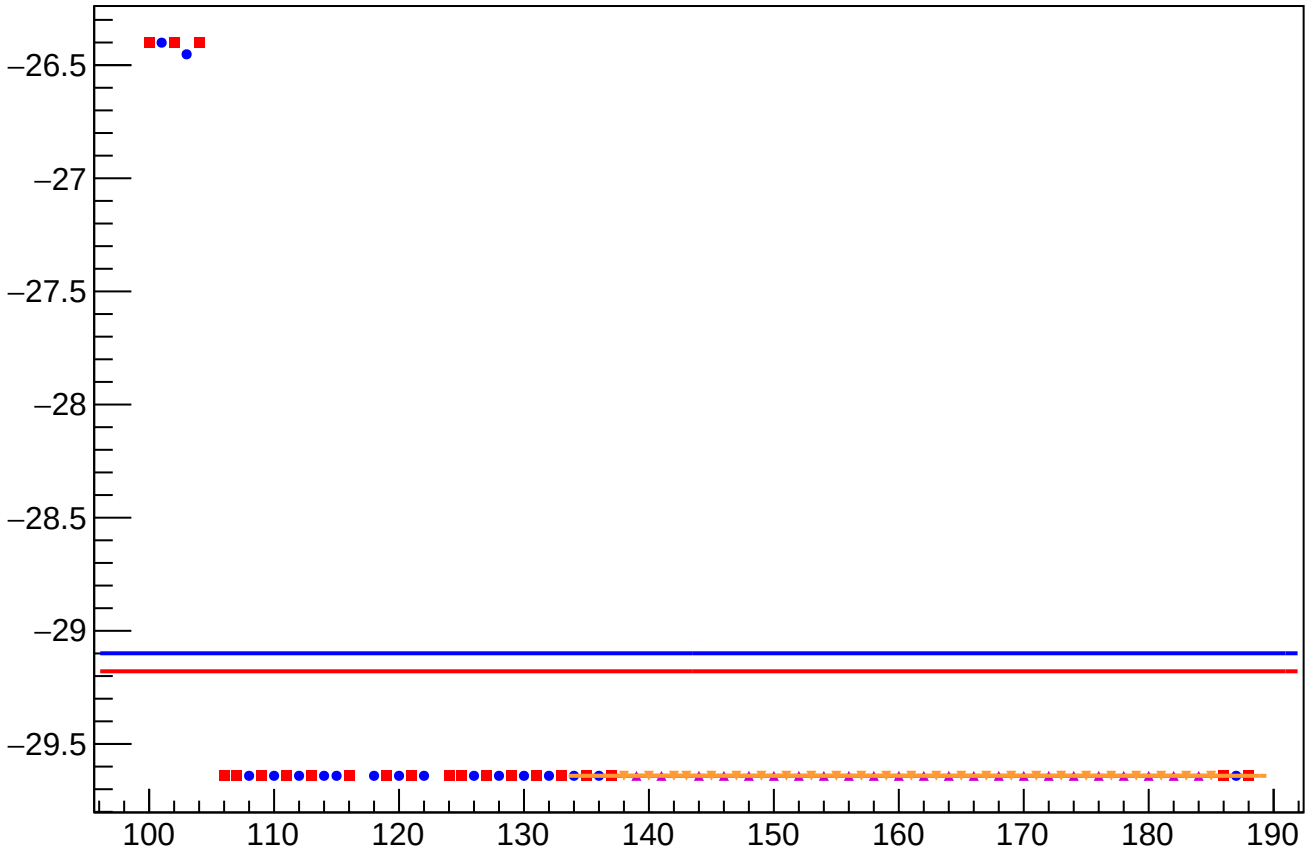
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -41.738+/-0.000 χ^2/NDF: 176102459657307

All: -37.393+/-0.000 χ^2/NDF: 372887703712

- sign -33.098+/-0.000 χ^2/NDF: 1957422725354377

HWienAngle_mean vs Slug



Right In: -29.099+/-0.000 χ^2/NDF: 1100080293834606846811479025385472.0/16

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

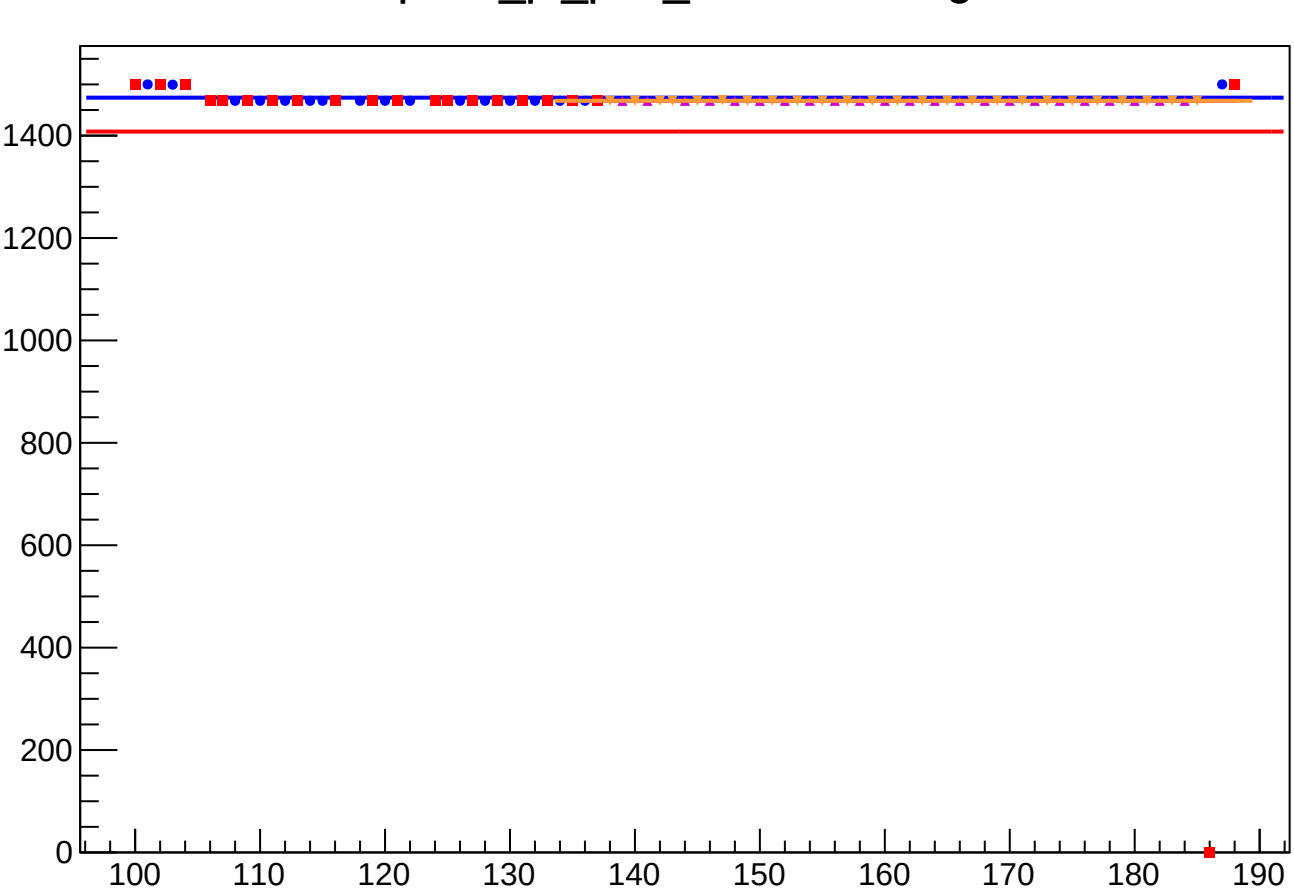
Right Out: -29.179+/-0.000 χ^2/NDF: 1161162155138140428461328547446784.0/20

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.493+/-0.000 χ^2/NDF: 126191541993211

All: -29.492+/-0.000 χ^2/NDF: 255396092422

- sign -29.492+/-0.000 χ^2/NDF: 129204505613659



Right In: 1474.131+/-0.000 χ^2/NDF: 1199360491545646307173447176562933760/16

+ sign 1469.714+/-0.000 χ^2/NDF: 1404855572970

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

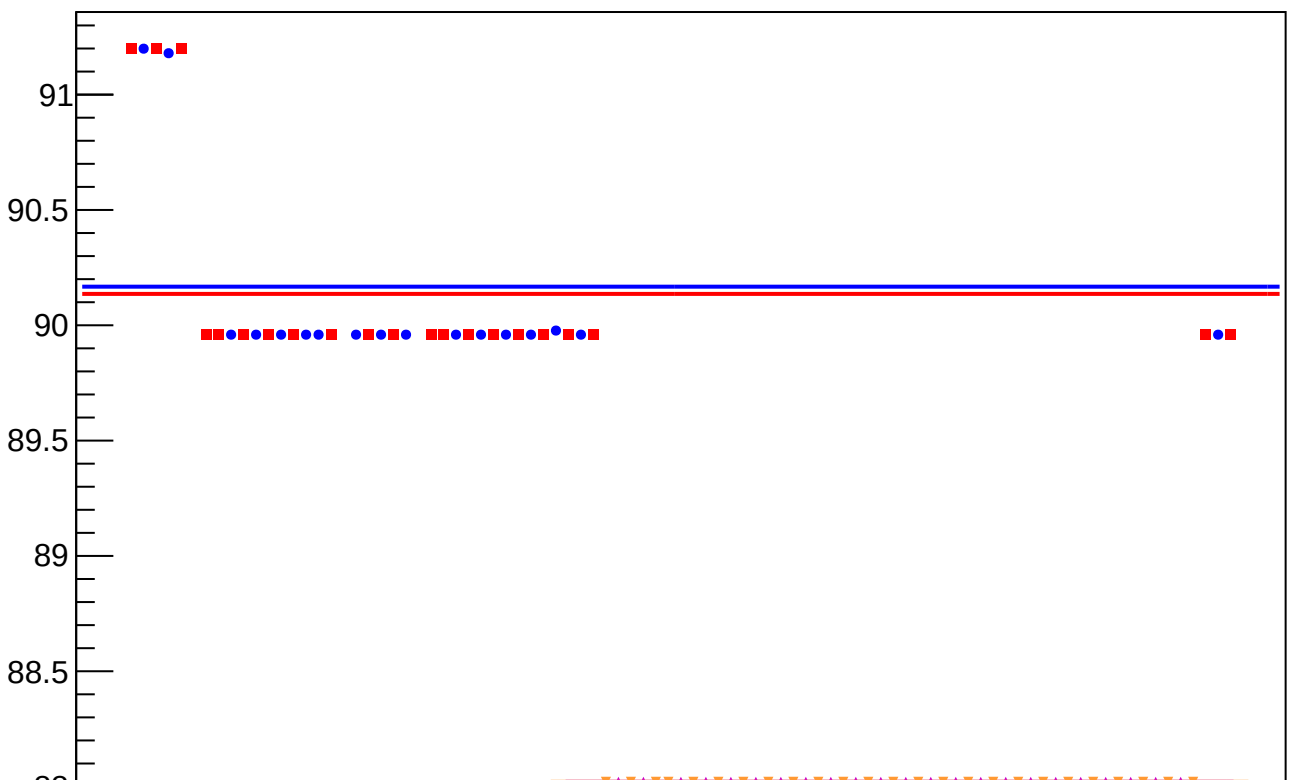
All: 1459.127+/-0.000 χ^2/NDF: 904529791

Right Out: 1407.955+/-0.000 χ^2/NDF: 87481488189881619671060627245554991104.0/20

- sign 1448.664+/-0.000 χ^2/NDF: 89693406822671

Left In: 1467.994+/-0.000 χ^2/NDF:1554938089860967537552245391360/22

Phi_FG_mean vs Slug



Right In: 90.167+/-0.000 χ^2/NDF: 160854588795533951885795271901184.0/16

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.136+/-0.000 χ^2/NDF: 17007724906079236145654522917683 2.0/20

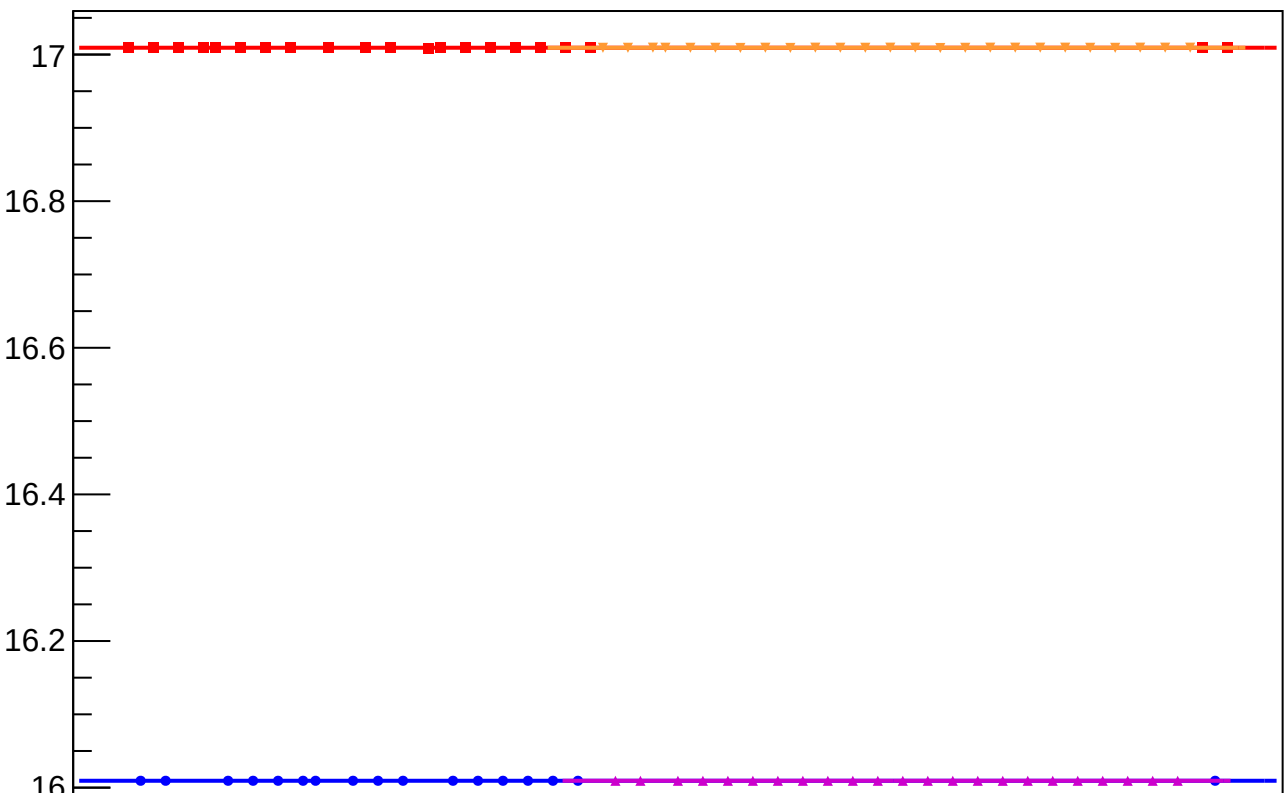
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.608+/-0.000 χ^2/NDF: 2705060724658275

All: 88.655+/-0.000 χ^2/NDF: 5633241827360

- sign 88.702+/-0.000 χ^2/NDF: 2915903801433519

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 48076.3/16

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 150481540689174065598955520.0/20

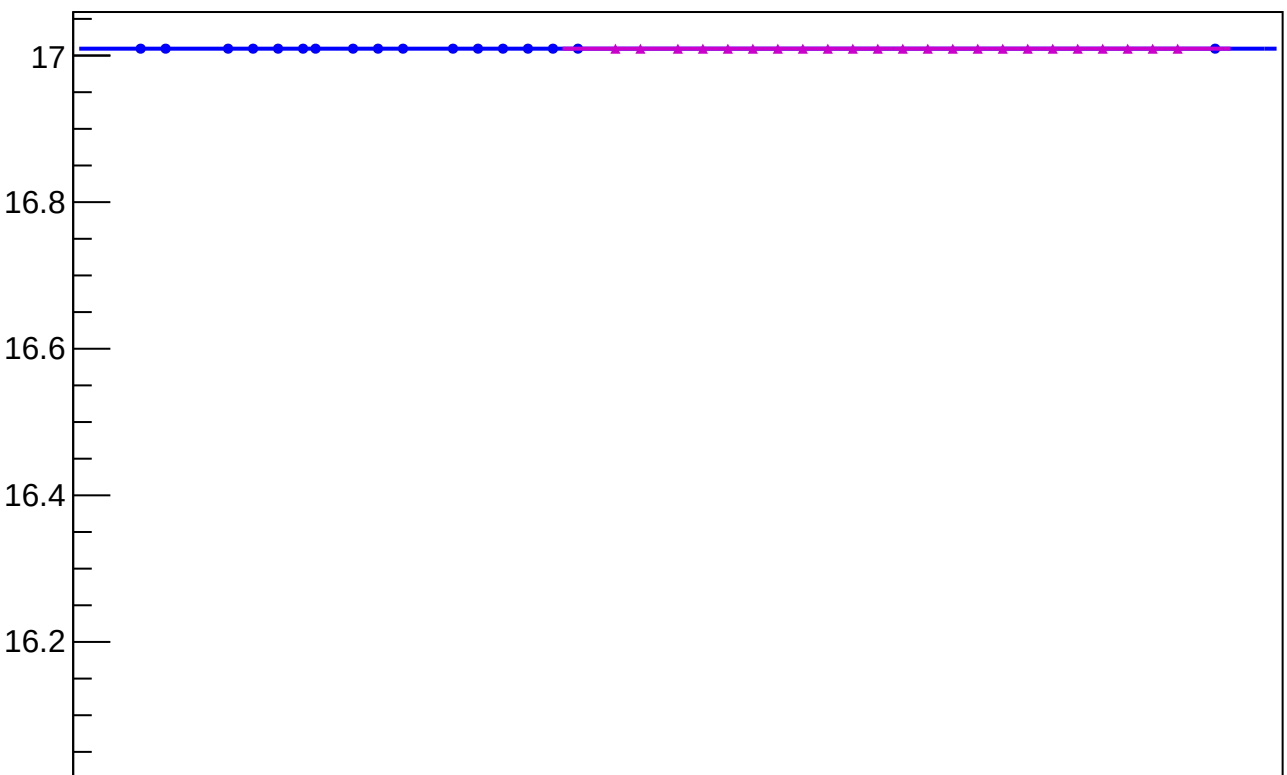
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.731+/-0.000 χ^2/NDF: 5204067398622293

All: 16.530+/-0.000 χ^2/NDF: 129672309649

- sign 16.330+/-0.000 χ^2/NDF: 5671549549439621

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 115880.5/16

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 205507.7/20

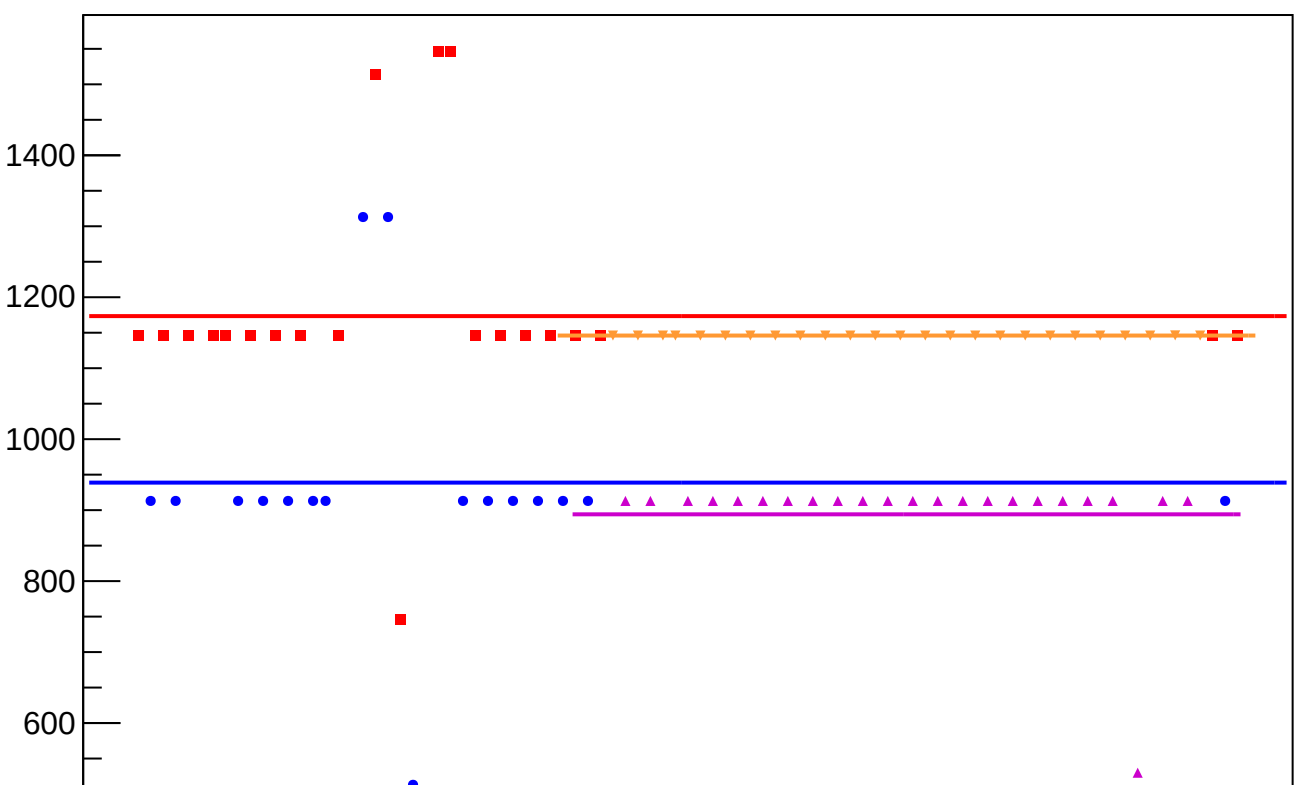
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.276+/-0.000 χ^2/NDF: 5320878201805469

All: 16.481+/-0.000 χ^2/NDF: 1365460986977

- sign 16.683+/-0.000 χ^2/NDF: 6069736939735968

RTPAPOSUCNT_mean vs Slug



Right In: 938.785+/-0.000 χ^2/NDF: 21095899322622440623087024246217506816.0/16

+ sign 1089.325+/-0.000 χ^2/NDF: 44805835988554

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

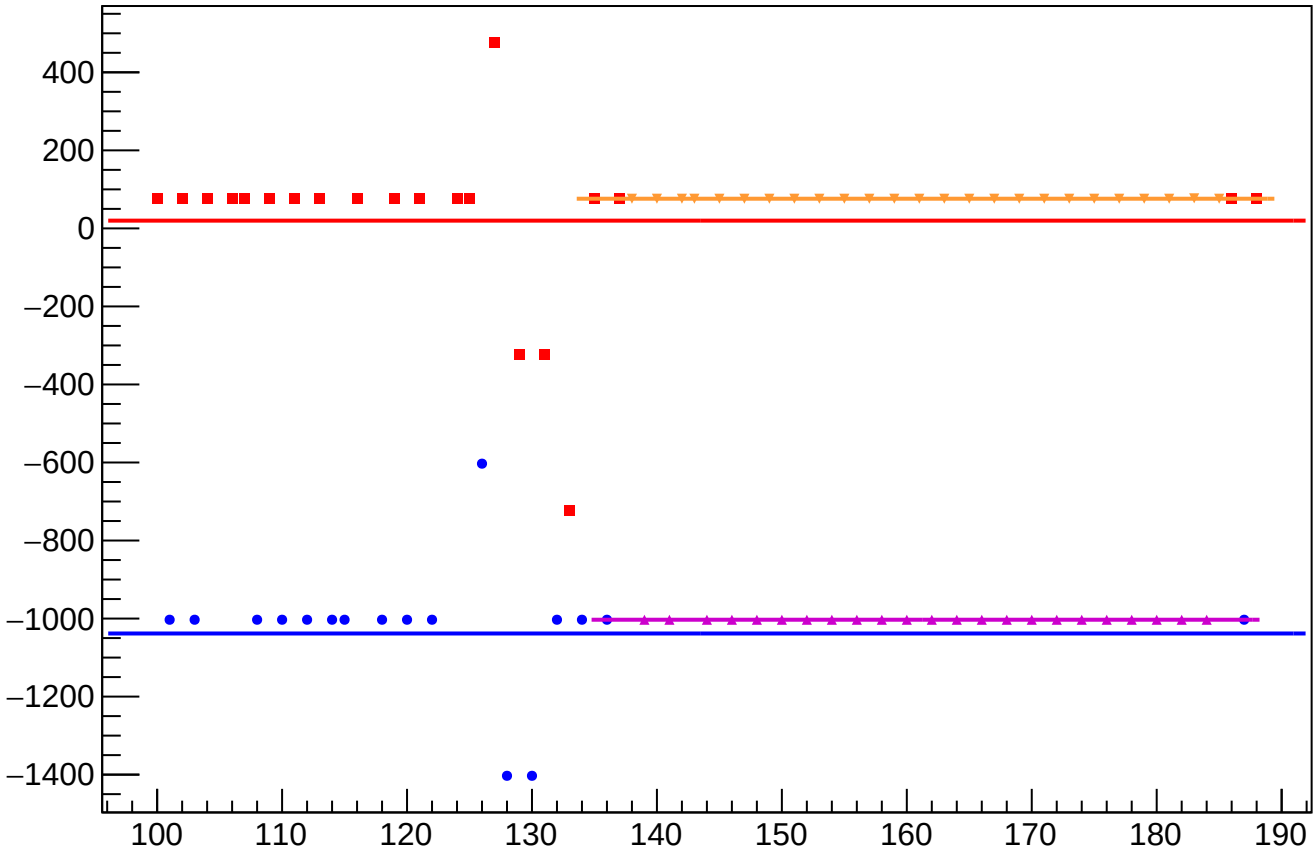
All: 1036.366+/-0.000 χ^2/NDF: 1435416757

Right Out: 1173.413+/-0.000 χ^2/NDF: 22266741113024199972485118925327040512.0/20

- sign 984.029+/-0.000 χ^2/NDF: 832448594514019

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1038.252+/-0.000 χ^2/NDF: 228946076378556990355855539775964446720/16

+ sign -228.797+/-0.000 χ^2/NDF: 70839994707116

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

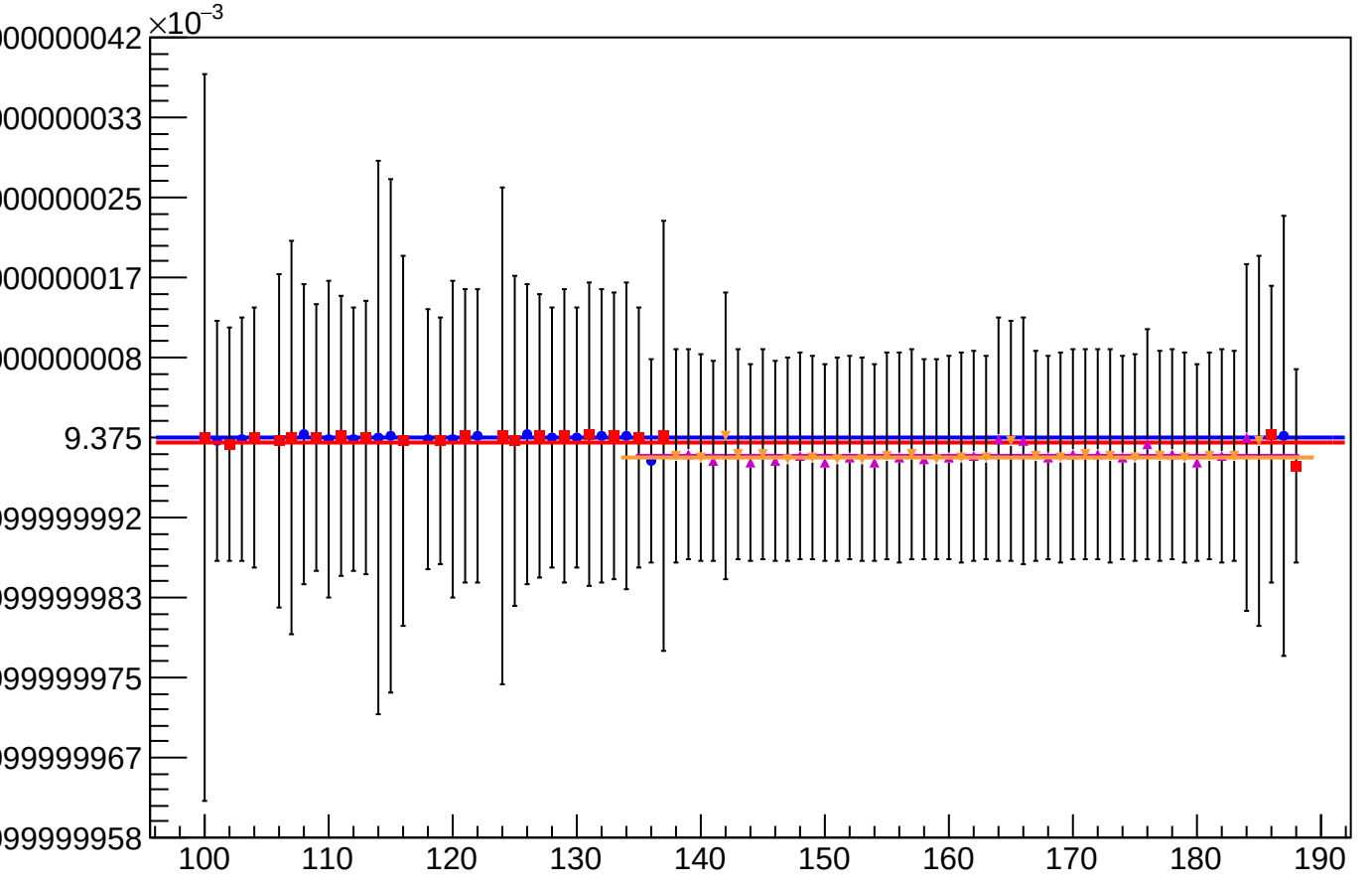
All: -452.551+/-0.000 χ^2/NDF: 1673542550

Right Out: 19.878+/-0.000 χ^2/NDF: 4658819602523595100982656705160753971 2.0/20

- sign -673.678+/-0.000 χ^2/NDF: 68860933676080

Left In: -1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/20

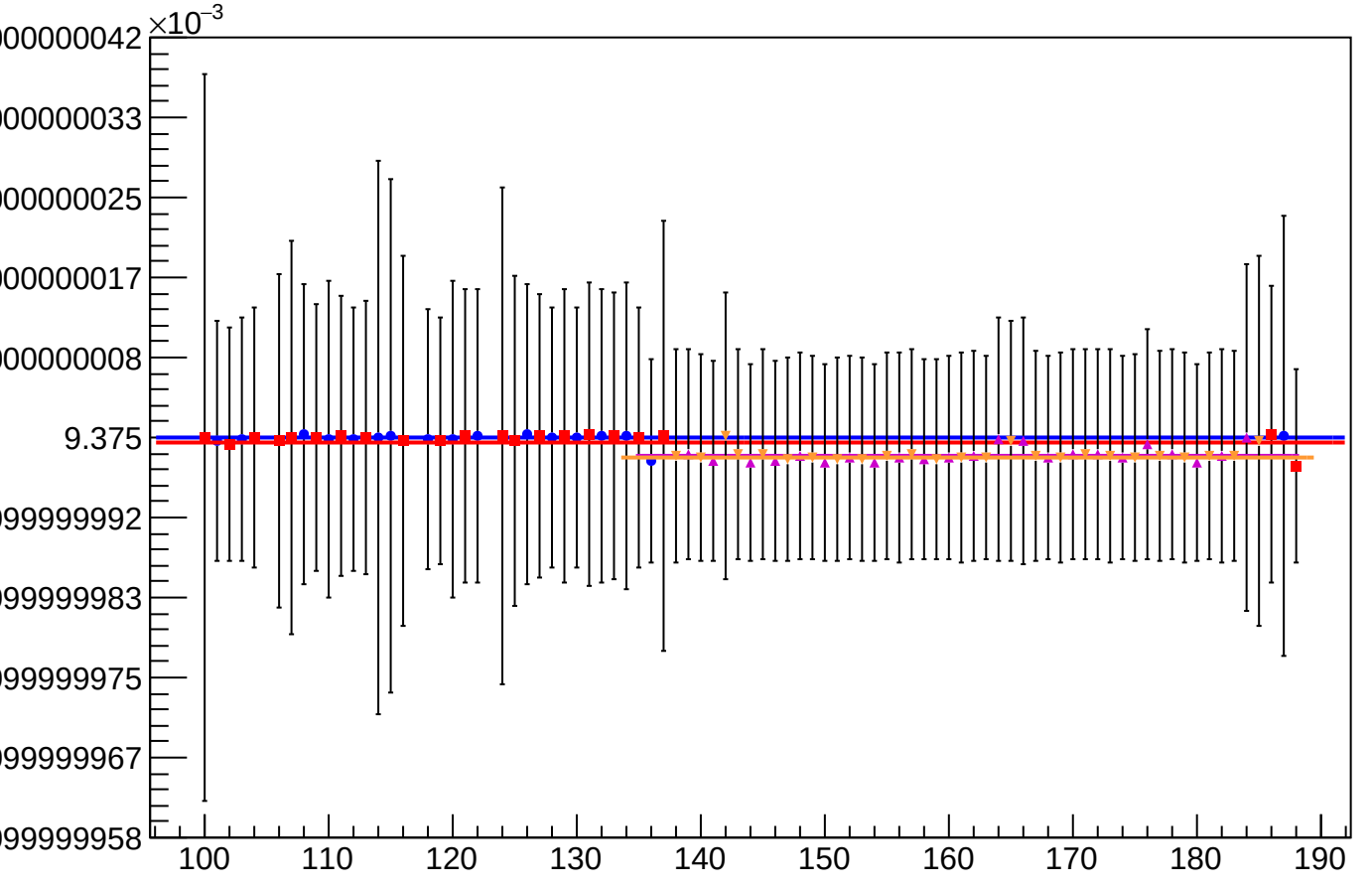
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/41

All: 0.009+/-0.000 χ^2/NDF: 0.6/85

- sign 0.009+/-0.000 χ^2/NDF: 0.3/43

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.1/20

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/41

All: 0.009+/-0.000 χ^2/NDF: 0.6/85

- sign 0.009+/-0.000 χ^2/NDF: 0.3/43